

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041218\
 Data File : VX000797.D
 Acq On : 12 Apr 2018 13:07
 Operator : JC/MD
 Sample : VX0412WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Manual Integrations
 APPROVED

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 4/13/2018 2:57:56 PM

Quant Time: Apr 13 07:10:53 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	340884	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	155467	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	5.51	113	129777	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	8.72	98	479576	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.15	95	194216	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59311	20.22	ug/l	99
3) Chloromethane	1.32	50	45310	18.01	ug/l	100
4) Vinyl Chloride	1.40	62	54182	19.15	ug/l	96
5) Bromomethane	1.64	94	24521	20.11	ug/l	96
6) Chloroethane	1.73	64	32812	19.13	ug/l	99
7) Trichlorofluoromethane	1.93	101	85558	20.04	ug/l	97
8) Diethyl Ether	2.19	74	32475	20.36	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51808	20.58	ug/l	99
10) Methyl Iodide	2.51	142	18960	16.32	ug/l	100
11) Tert butyl alcohol	3.07	59	62334	107.13	ug/l	99
12) 1,1-Dichloroethene	2.38	96	45536	19.09	ug/l	98
13) Acrolein	2.29	56	18776	66.45	ug/l	94
14) Allyl chloride	2.73	41	86763	19.67	ug/l	98
15) Acrylonitrile	3.15	53	131064	105.65	ug/l	100
16) Acetone	2.45	43	120287	106.44	ug/l	100
17) Carbon Disulfide	2.57	76	131886	18.26	ug/l	100
18) Methyl Acetate	2.78	43	63944	21.86	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	166200	20.92	ug/l	99
20) Methylene Chloride	2.86	84	52916	20.13	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	50790	19.31	ug/l	96
22) Diisopropyl ether	3.88	45	162973	20.10	ug/l	99
23) Vinyl Acetate	3.83	43	720175	101.19	ug/l	100
24) 1,1-Dichloroethane	3.70	63	89642	19.71	ug/l	99
25) 2-Butanone	4.71	43	199235	106.75	ug/l	99
26) 2,2-Dichloropropane	4.59	77	86808	19.23	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	59396	19.90	ug/l	99
28) Bromochloromethane	5.03	49	37762	20.62	ug/l	97
29) Tetrahydrofuran	5.17	42	125244	105.69	ug/l	99
30) Chloroform	5.22	83	97611	20.27	ug/l	100
31) Cyclohexane	5.58	56	85413	19.77	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	90468	19.72	ug/l	99
36) 1,1-Dichloropropene	5.81	75	73813	19.66	ug/l	100
37) Ethyl Acetate	4.87	43	78034	21.29	ug/l	100
38) Carbon Tetrachloride	5.79	117	82465	19.63	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0412WBSD01

Manual Integrations
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Quant Time: Apr 13 07:10:53 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	91314	20.25	ug/l	99
40) Benzene	6.15	78	211683	20.29	ug/l	99
41) Methacrylonitrile	5.07	41	45313	21.40	ug/l	99
42) 1,2-Dichloroethane	6.21	62	81788	20.99	ug/l	99
43) Isopropyl Acetate	6.48	43	131893	20.99	ug/l	99
44) Trichloroethene	7.22	130	65212	20.10	ug/l	99
45) 1,2-Dichloropropane	7.52	63	54322	20.45	ug/l	98
46) Dibromomethane	7.67	93	38166	20.61	ug/l	99
47) Bromodichloromethane	7.90	83	76695	20.52	ug/l	97
48) Methyl methacrylate	7.79	41	68192	20.94	ug/l	99
49) 1,4-Dioxane	7.76	88	27983	427.53	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	399355	108.20	ug/l	99
52) Toluene	8.79	92	141364	20.43	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	91596	20.43	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	87445	20.03	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	57083	20.78	ug/l	98
56) Ethyl methacrylate	9.19	69	87434	20.63	ug/l	100
57) 1,3-Dichloropropane	9.38	76	92282	21.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	229042	115.67	ug/l	100
59) 2-Hexanone	9.51	43	307327	107.86	ug/l	100
60) Dibromochloromethane	9.59	129	66249	20.15	ug/l	99
61) 1,2-Dibromoethane	9.68	107	61395	21.06	ug/l	99
64) Tetrachloroethene	9.34	164	64977	20.56	ug/l	95
65) Chlorobenzene	10.15	112	166647	20.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	62559	20.44	ug/l	98
67) Ethyl Benzene	10.26	91	274735	20.26	ug/l	100
68) m/p-Xylenes	10.37	106	217705	40.68	ug/l	99
69) o-Xylene	10.71	106	105936	20.54	ug/l	100
70) Styrene	10.72	104	175458	20.18	ug/l	99
71) Bromoform	10.87	173	55840	19.70	ug/l #	100
73) Isopropylbenzene	11.02	105	287821	20.63	ug/l	100
74) N-amyl acetate	6.48	43	131893	20.99	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	84635	20.90	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	79533m	20.97	ug/l	
77) Bromobenzene	11.26	156	82938	20.28	ug/l	99
78) n-propylbenzene	11.37	91	326412	20.45	ug/l	99
79) 2-Chlorotoluene	11.43	91	191894	20.34	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	244724	20.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	26512	19.22	ug/l	96
82) 4-Chlorotoluene	11.52	91	230672	20.26	ug/l	99
83) tert-Butylbenzene	11.78	119	251873	20.51	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	254094	20.51	ug/l	100
85) sec-Butylbenzene	11.95	105	297380	20.53	ug/l	99
86) p-Isopropyltoluene	12.07	119	278234	20.60	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	153907	20.33	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	155654	20.07	ug/l	99
89) n-Butylbenzene	12.40	91	246771	20.70	ug/l	100
90) Hexachloroethane	12.60	117	44386	19.42	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	150169	20.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20285	19.99	ug/l	95

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

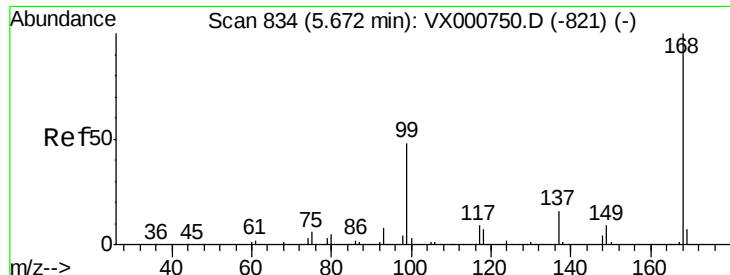
Manual Integrations
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4/13/2018 2:57:56 PM

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128115	20.55	ug/l	99
94) Hexachlorobutadiene	13.79	225	64962	21.19	ug/l	99
95) Naphthalene	13.84	128	333434	20.83	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	125104	20.66	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion:168 Resp: 259913

Ion Ratio Lower Upper

168 100

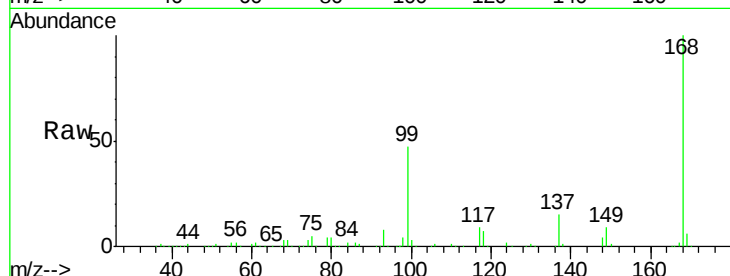
99 46.9 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

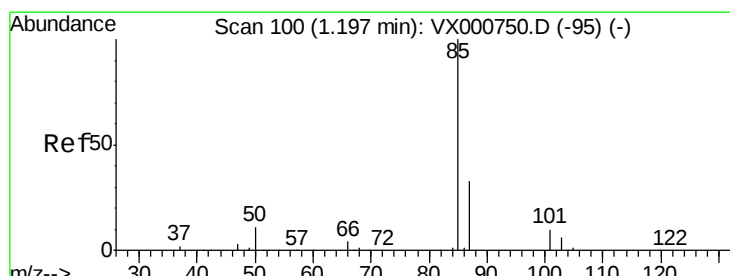
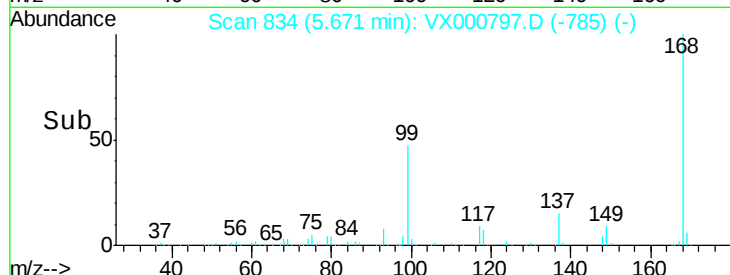
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.22 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000797.D

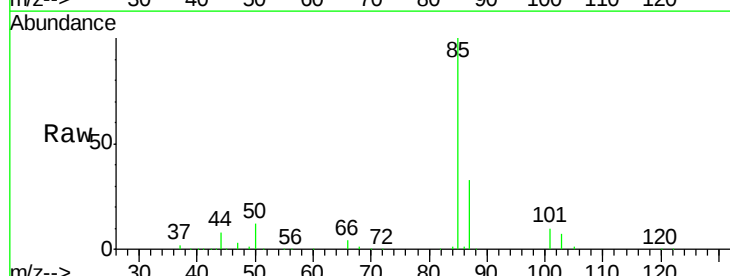
Acq: 12 Apr 2018 13:07

Tgt Ion: 85 Resp: 59311

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

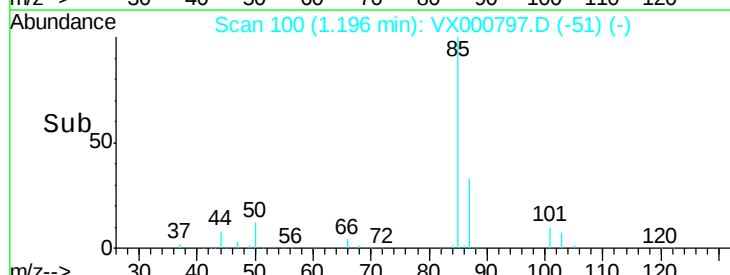
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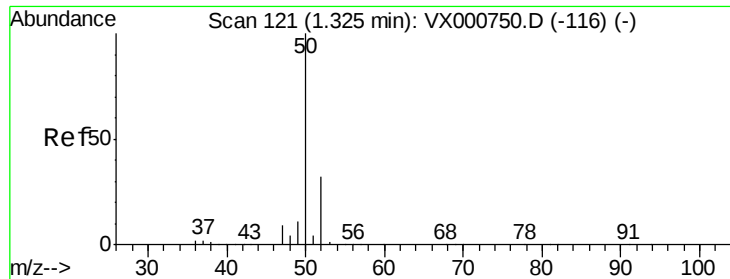
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.01 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion: 50 Resp: 45310

Ion Ratio Lower Upper

50 100

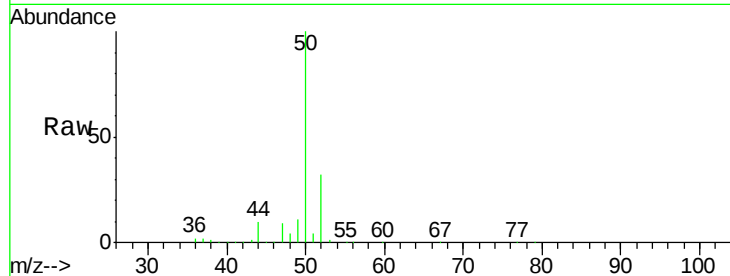
52 32.3 25.8 38.8

Manual Integrations

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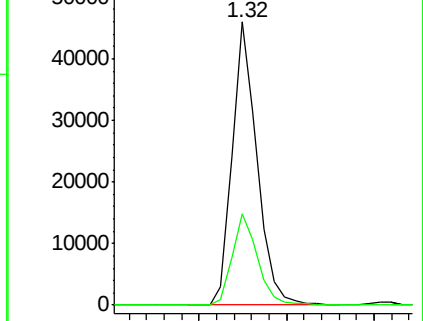
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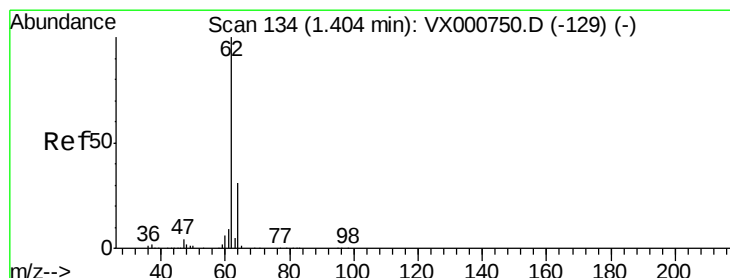
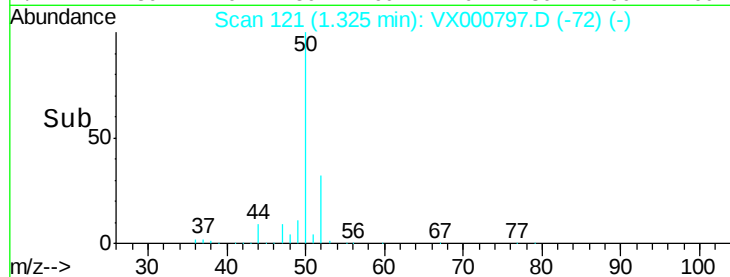


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 19.15 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000797.D

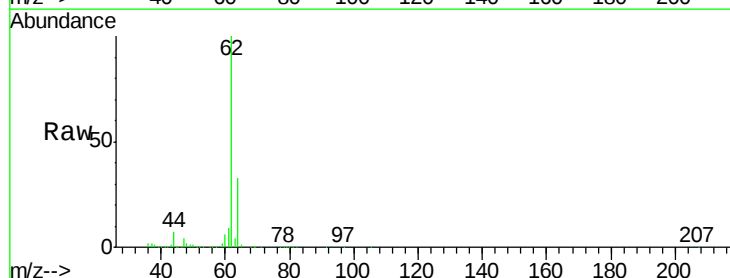
Acq: 12 Apr 2018 13:07

Tgt Ion: 62 Resp: 54182

Ion Ratio Lower Upper

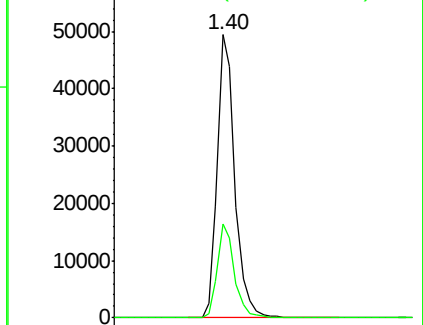
62 100

64 33.1 24.6 36.8

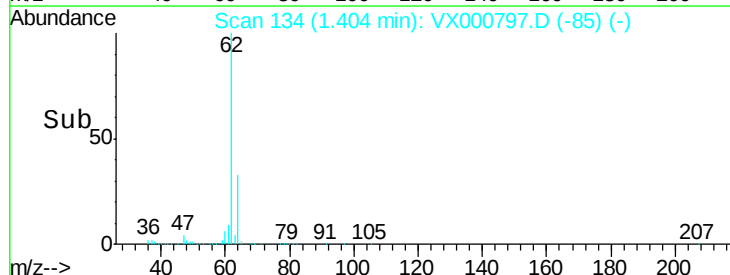


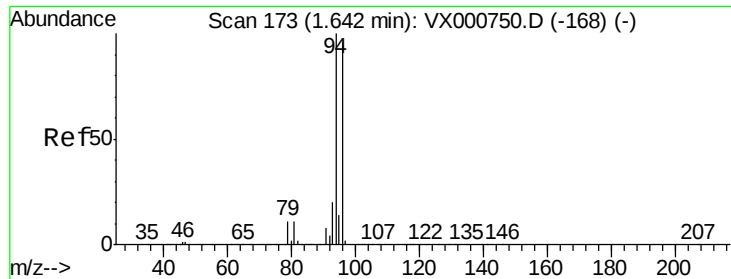
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 20.11 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion: 94 Resp: 24521

Ion Ratio Lower Upper

94 100

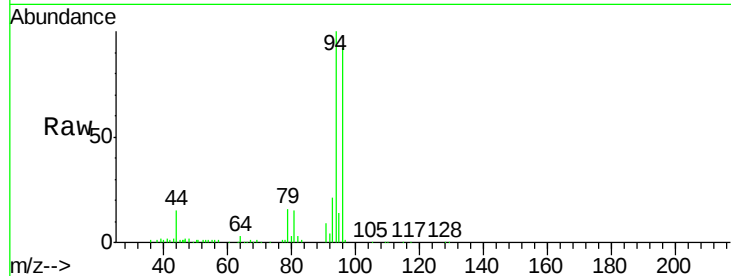
96 92.5 77.0 115.6

Manual Integrations

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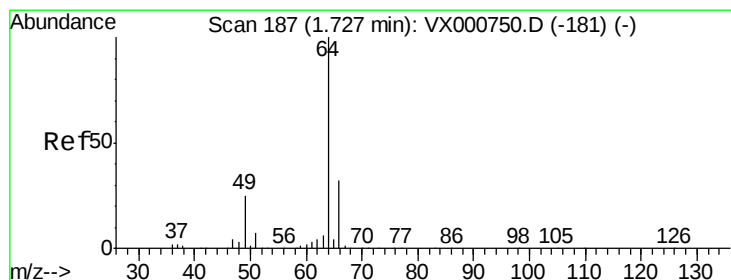
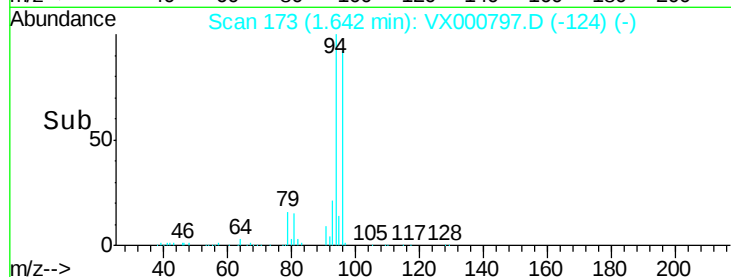
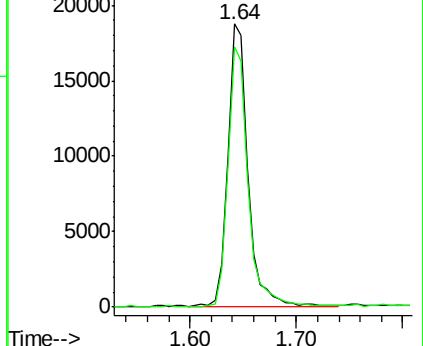
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.13 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000797.D

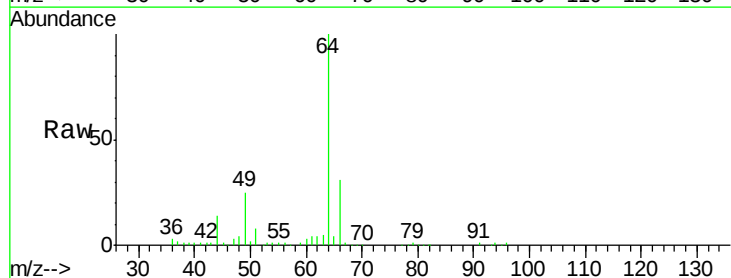
Acq: 12 Apr 2018 13:07

Tgt Ion: 64 Resp: 32812

Ion Ratio Lower Upper

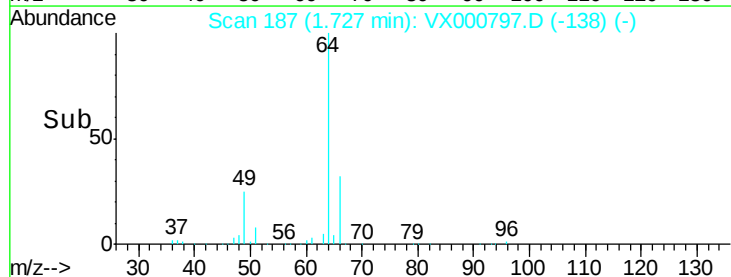
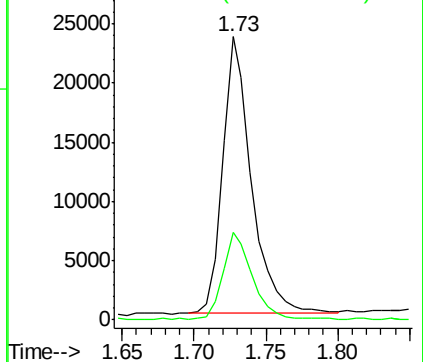
64 100

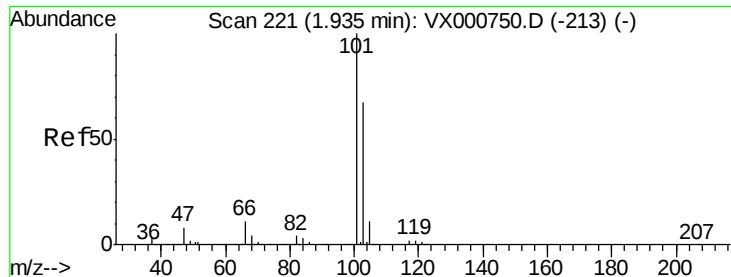
66 31.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

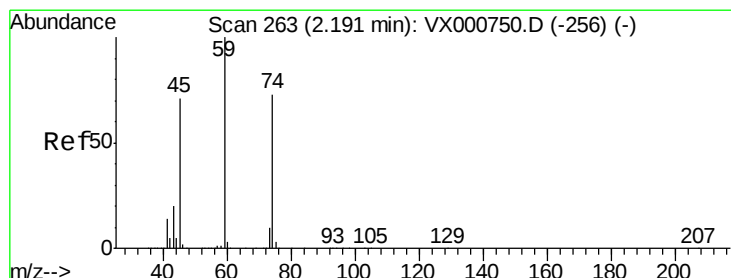
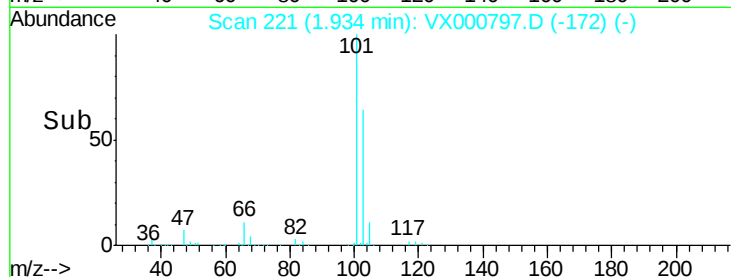
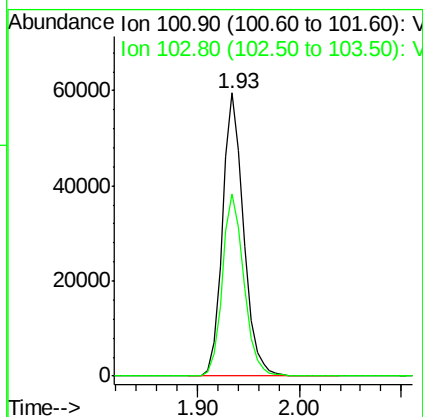
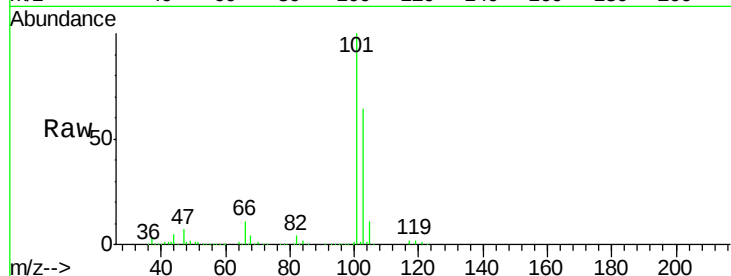
Trichlorofluoromethane
 Concen: 20.04 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Instrument :
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 VX0412WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.2	79.8

Manual Integrations
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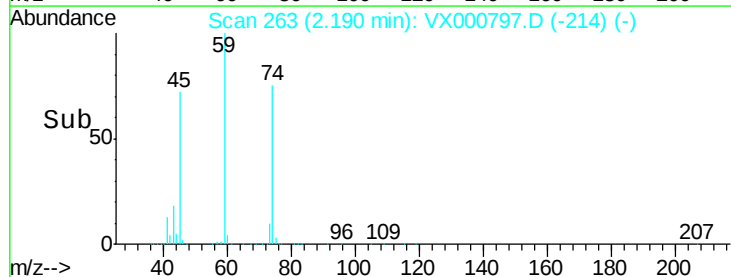
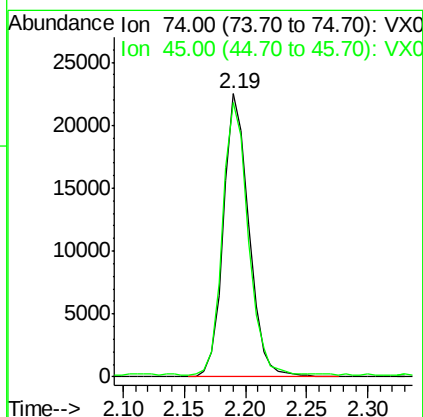
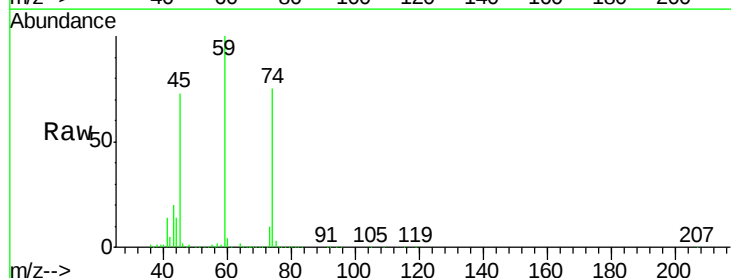
apatel
 4/13/2018 2:57:56 PM

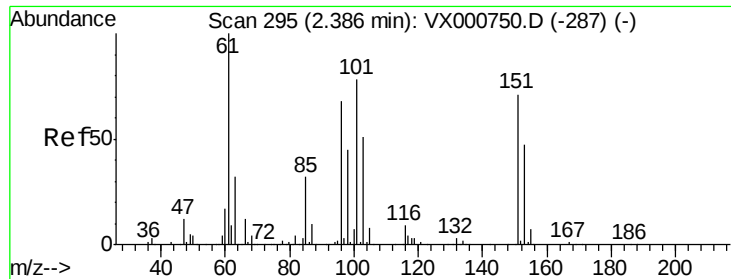


#8

Diethyl Ether
 Concen: 20.36 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.58 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

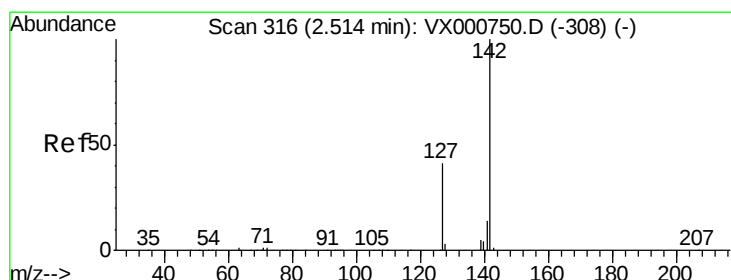
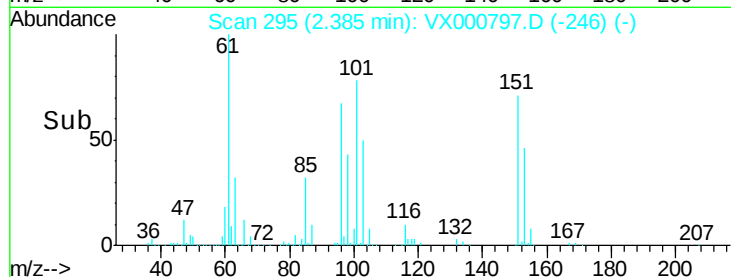
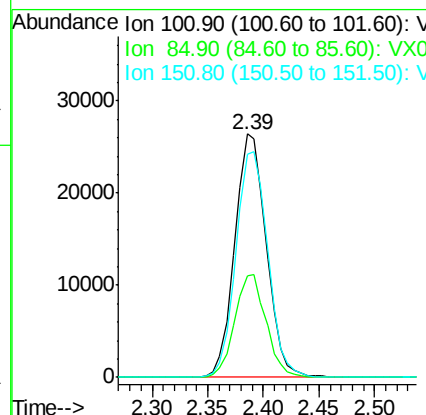
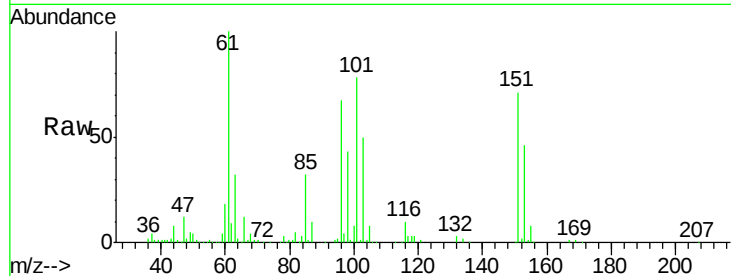
ClientSampled :

VX0412WBSD01

Tot Ion:	101	Resp:	51808
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.0	51.0
151	94.0	75.8	113.8

Manual Integrations
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apatel
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#10

Methyl Iodide

Concen: 16.32 ug/l

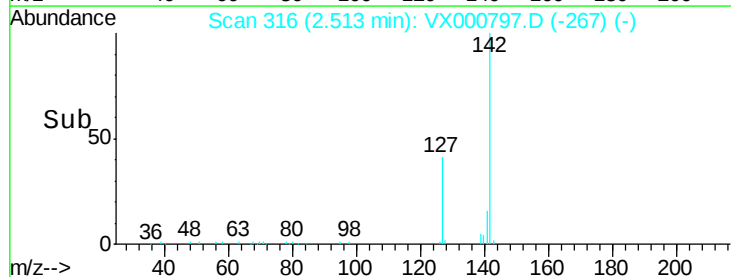
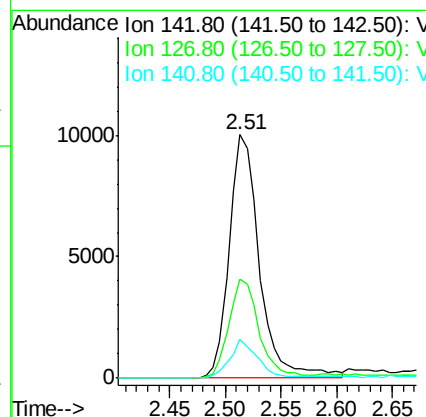
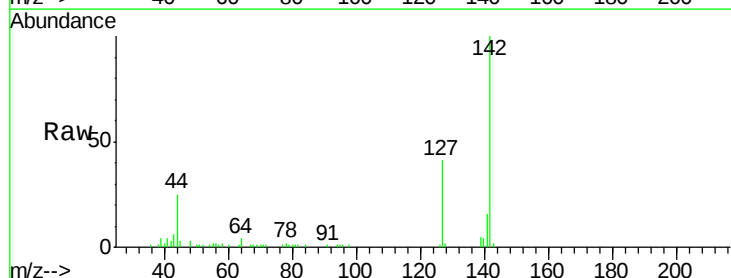
RT: 2.51 min Scan# 316

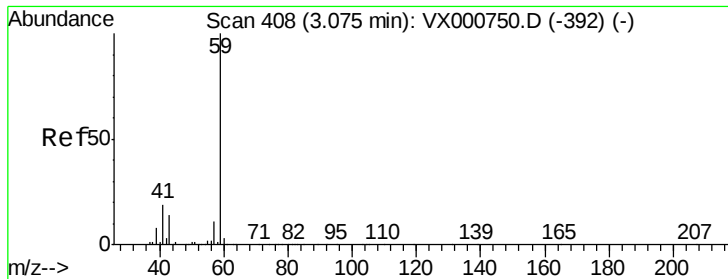
Delta R.T. 0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion:	142	Resp:	18960
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.6	49.0
141	15.0	11.5	17.3





#11

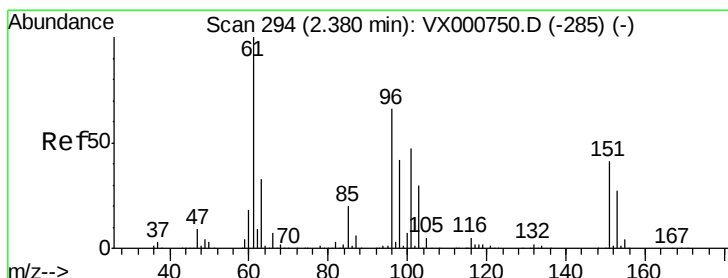
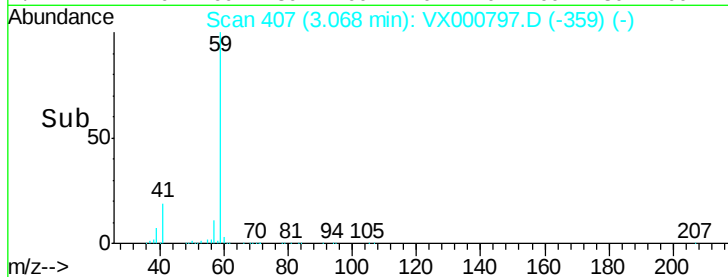
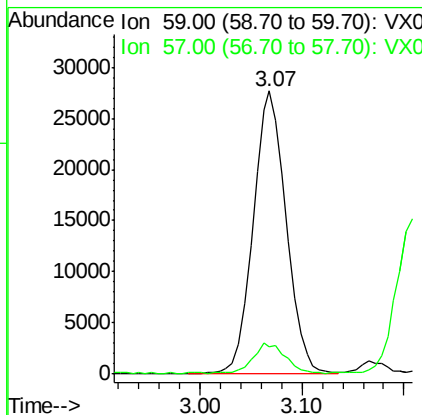
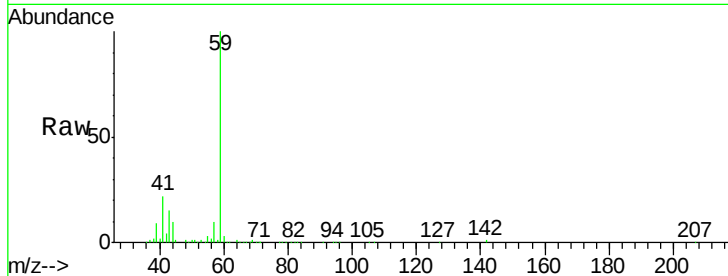
Tert butyl alcohol
Concen: 107.13 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	59	Resp	62334
Ion Ratio	100	Lower	Upper
57	10.0	8.4	12.6

Manual Integrations
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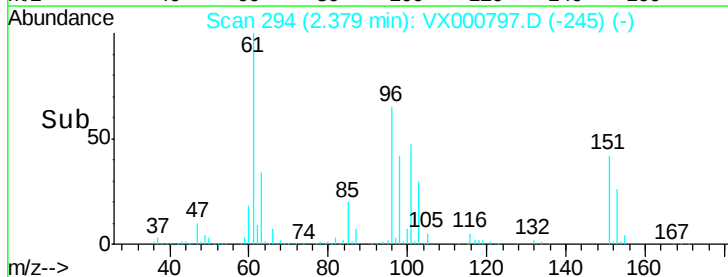
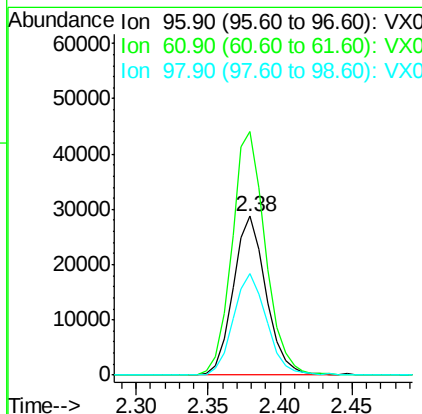
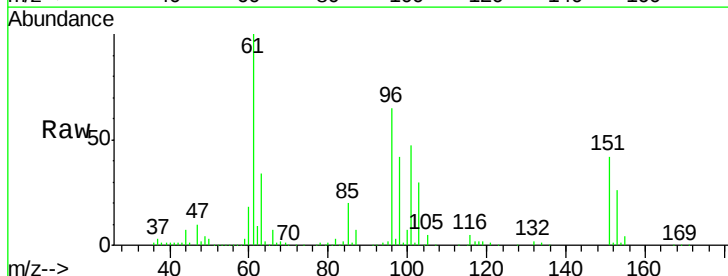
apatel
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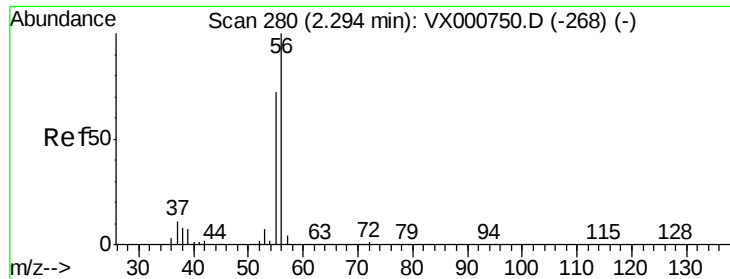


#12

1,1-Dichloroethene
Concen: 19.09 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion	96	Resp	45536
Ion Ratio	100	Lower	Upper
61	153.5	120.5	180.7
98	64.0	50.9	76.3





#13

Acrolein

Concen: 66.45 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion: 56 Resp: 18776

Ion Ratio Lower Upper

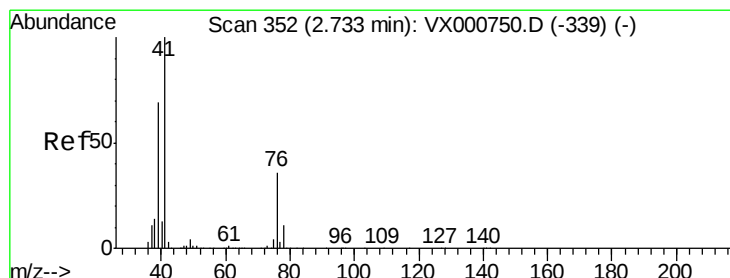
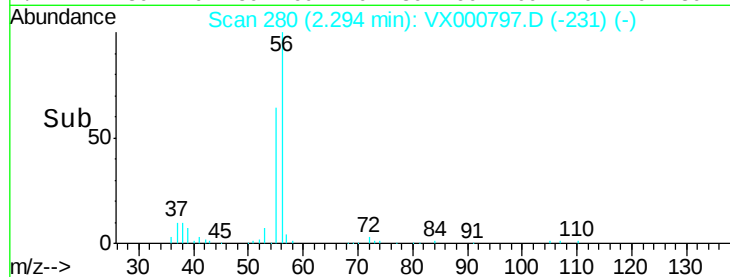
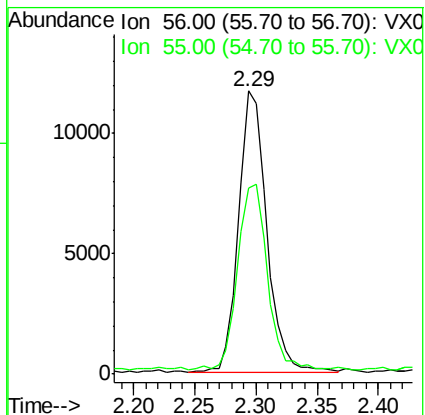
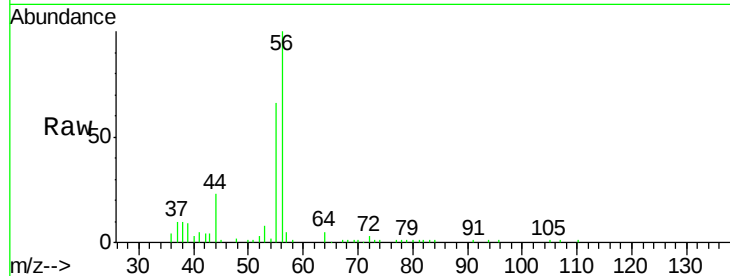
56 100

55 68.3 58.7 88.1

Manual Integrations
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#14

Allyl chloride

Concen: 19.67 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

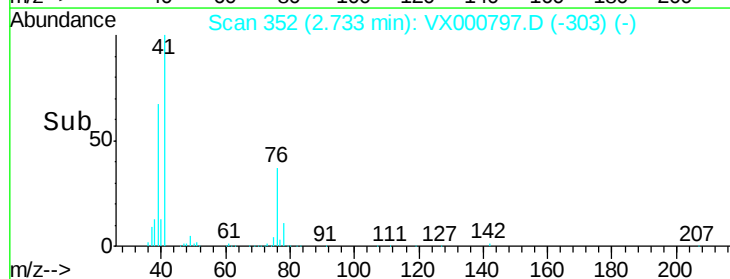
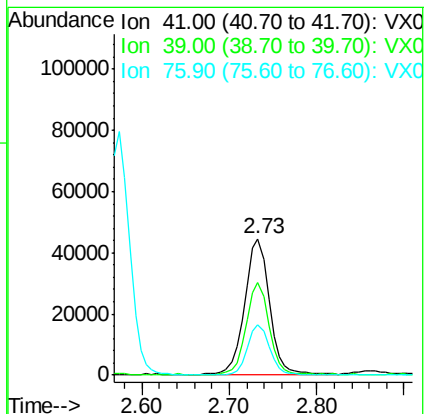
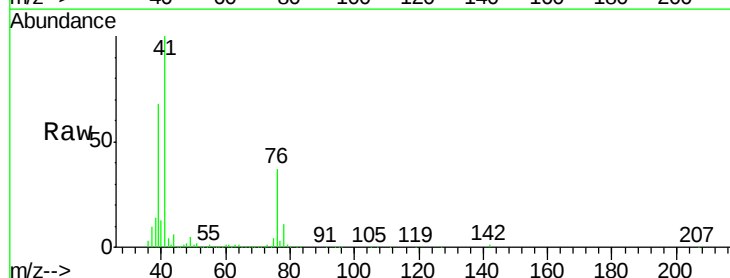
Tgt Ion: 41 Resp: 86763

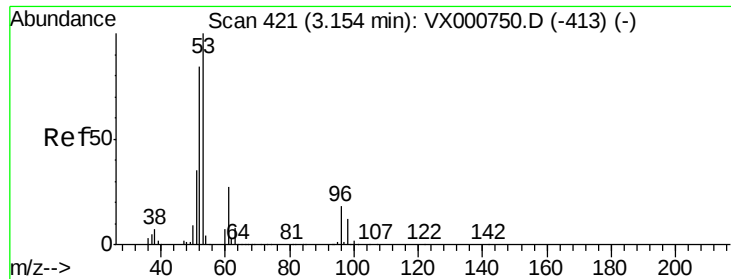
Ion Ratio Lower Upper

41 100

39 62.4 51.5 77.3

76 33.5 26.5 39.7





#15

Acrylonitrile

Concen: 105.65 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

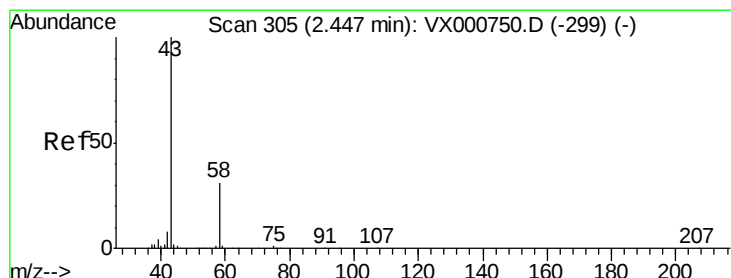
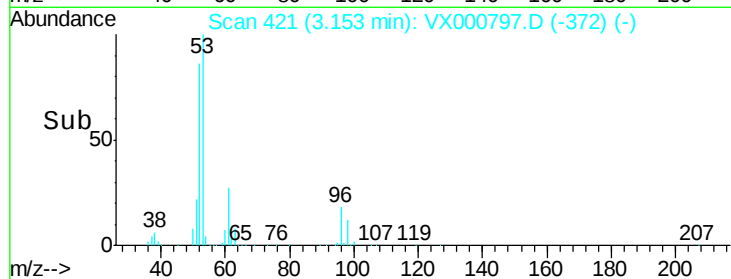
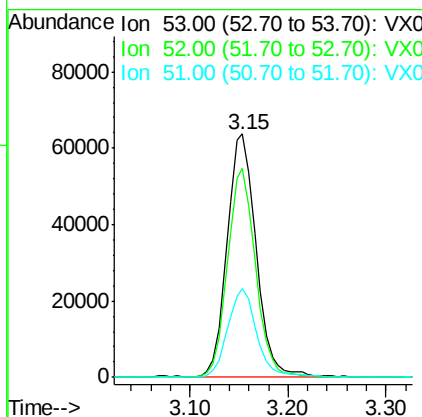
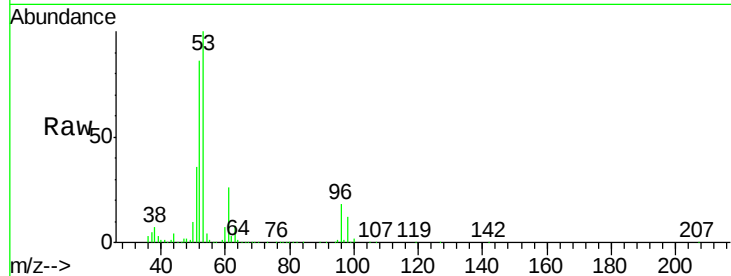
ClientSampleId :

VX0412WBSD01

Tot Ion:	53	Resp:	131064
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.5	99.7
51	36.2	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 106.44 ug/l

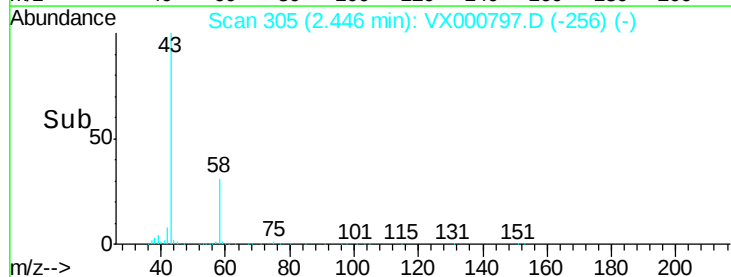
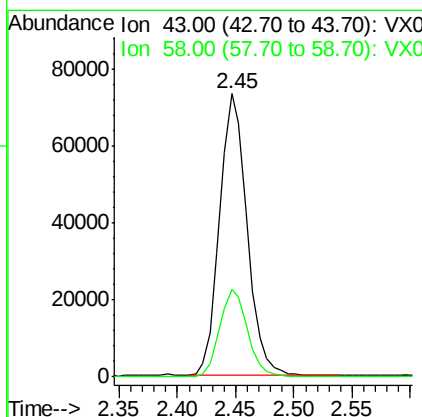
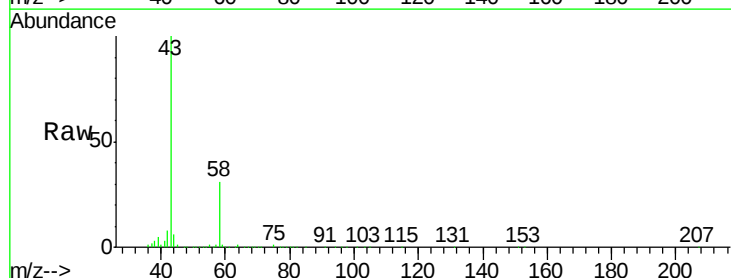
RT: 2.45 min Scan# 305

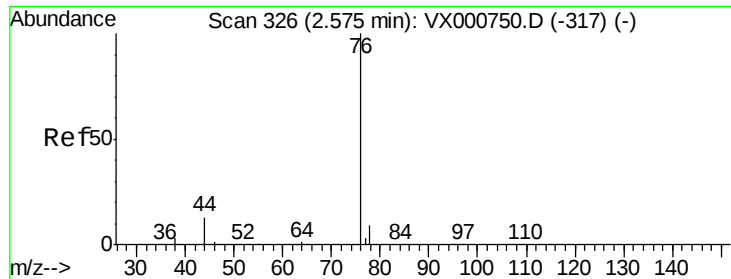
Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion:	43	Resp:	120287
Ion Ratio		Lower	Upper
43	100		
58	30.8	24.6	37.0





#17

Carbon Disulfide

Concen: 18.26 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion: 76 Resp: 131886

Ion Ratio Lower Upper

76 100

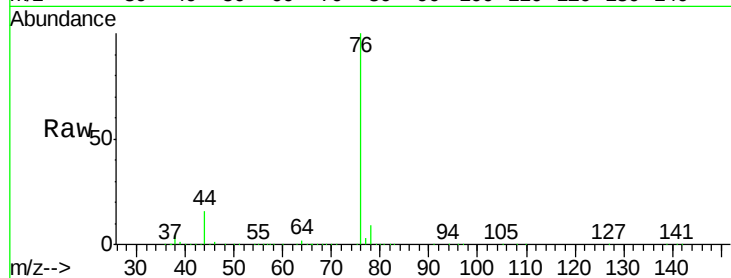
78 9.2 7.4 11.2

Manual Integrations

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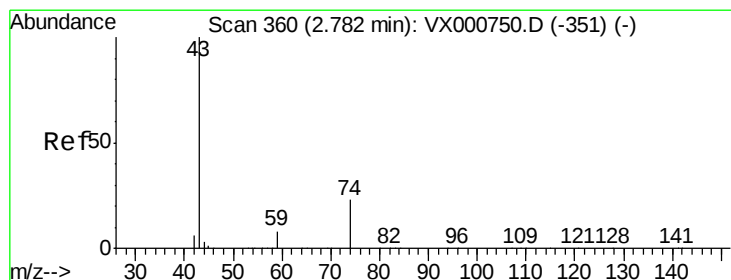
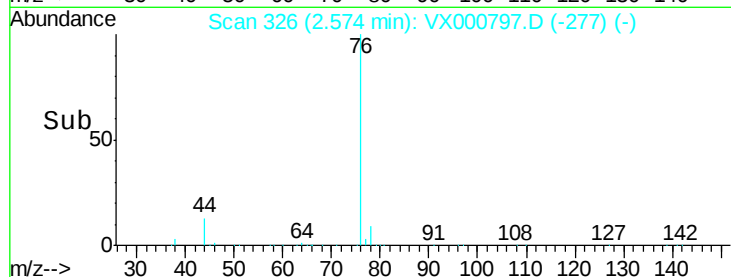
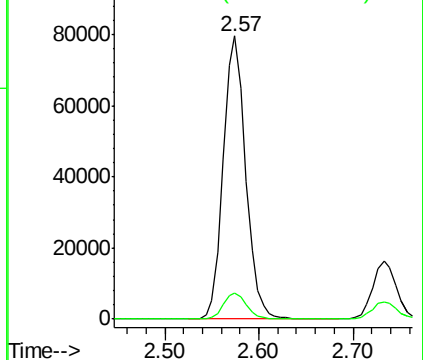
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.86 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000797.D

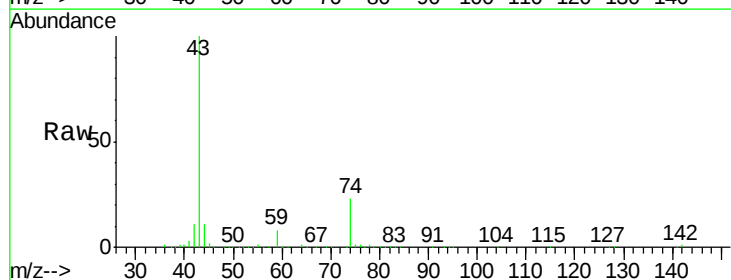
Acq: 12 Apr 2018 13:07

Tgt Ion: 43 Resp: 63944

Ion Ratio Lower Upper

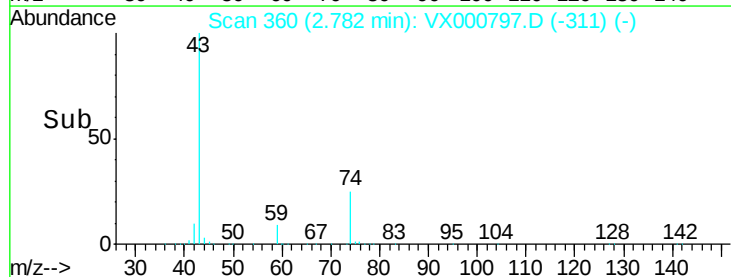
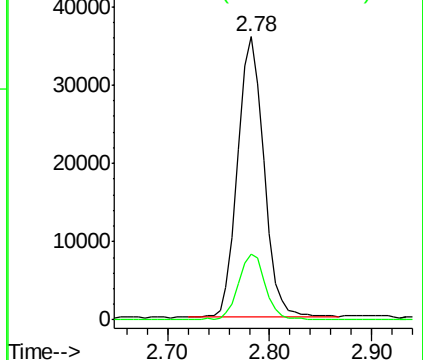
43 100

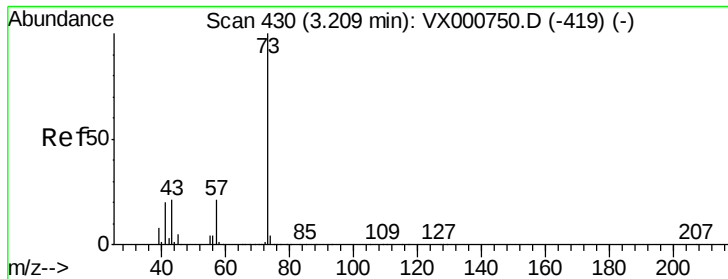
74 24.4 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





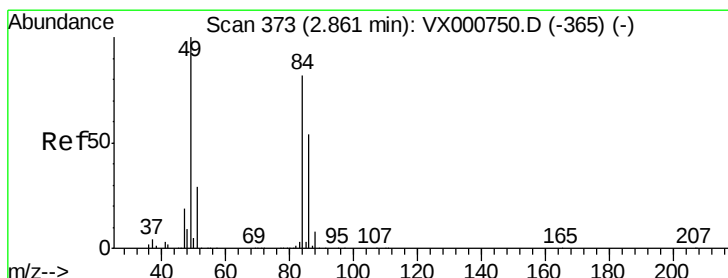
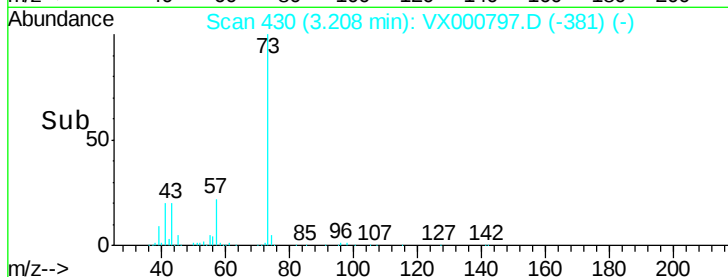
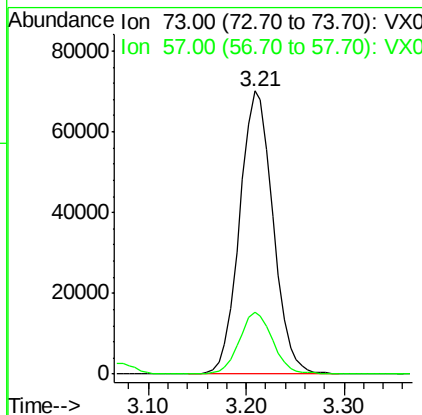
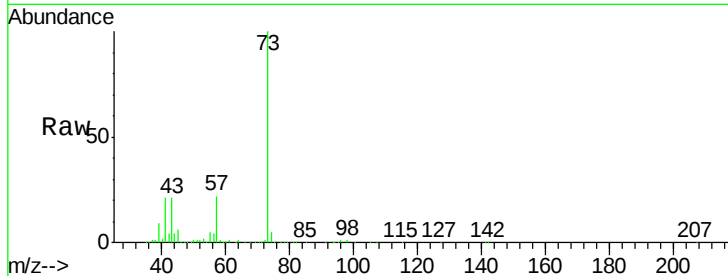
#19
Methvl tert-butvl Ether
Concen: 20.92 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.9	25.3

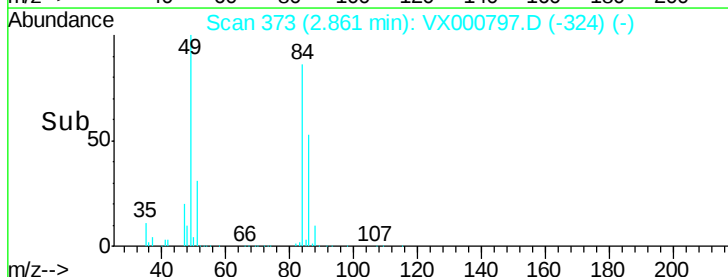
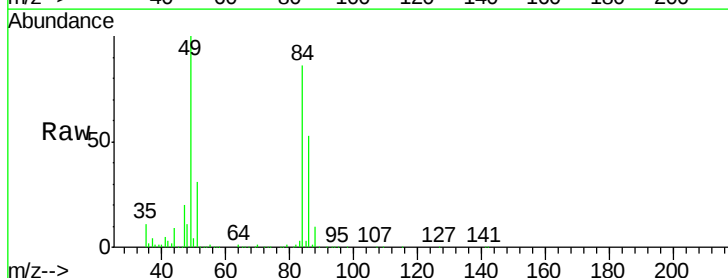
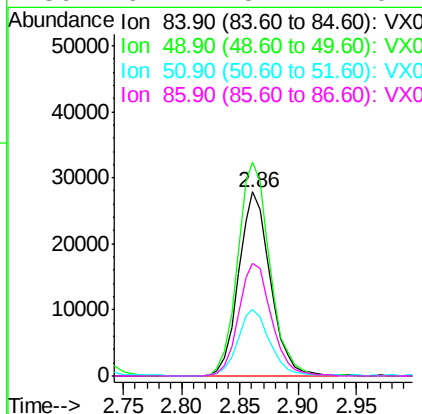
Manual Integrations
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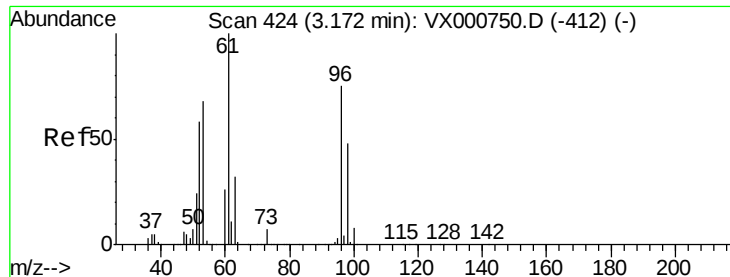
apatel
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#20
Methylene Chloride
Concen: 20.13 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.0	98.1	147.1
51	36.0	28.9	43.3
86	61.2	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 19.31 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

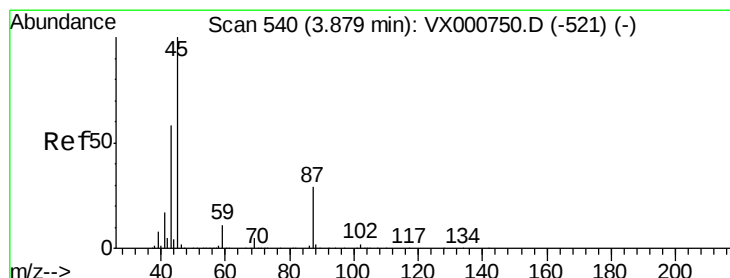
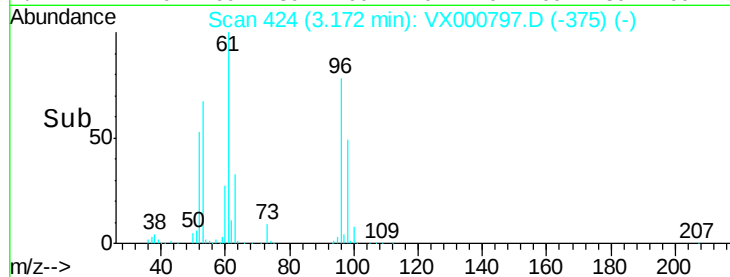
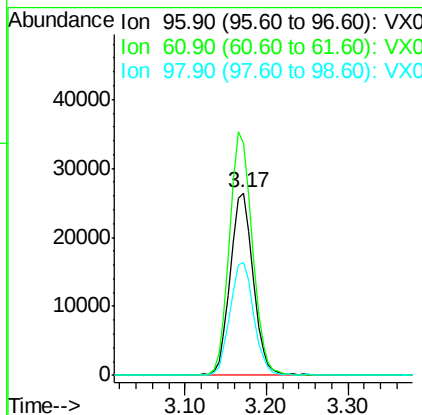
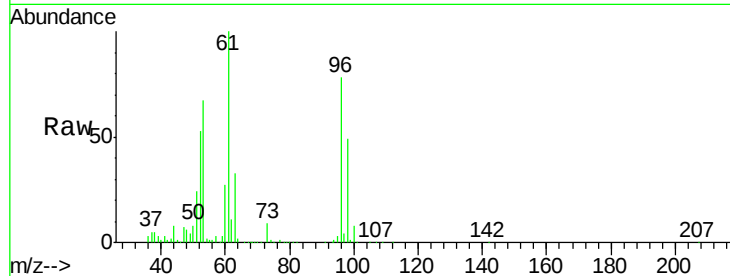
ClientSampleId :

VX0412WBSD01

Tot Ion:	96	Resp:	50790
Ion	Ratio	Lower	Upper
96	100		
61	127.7	106.2	159.2
98	62.3	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.10 ug/l

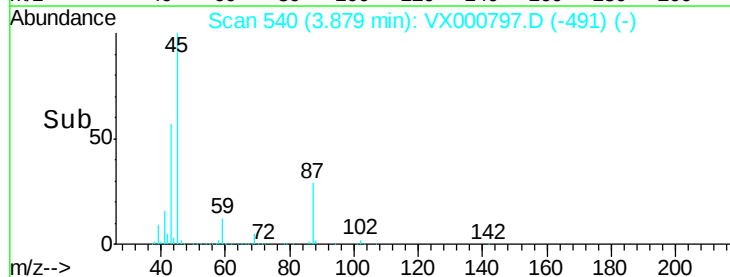
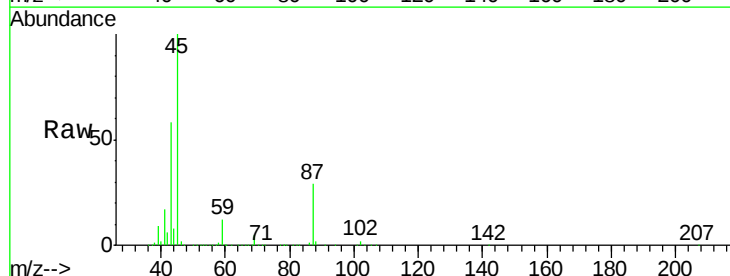
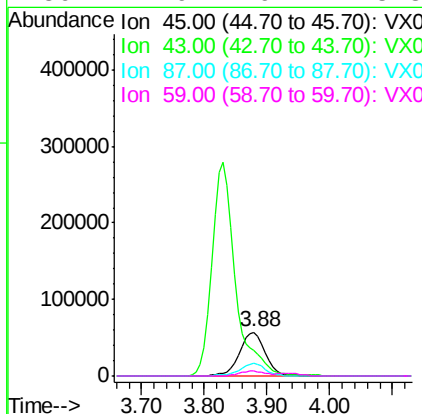
RT: 3.88 min Scan# 540

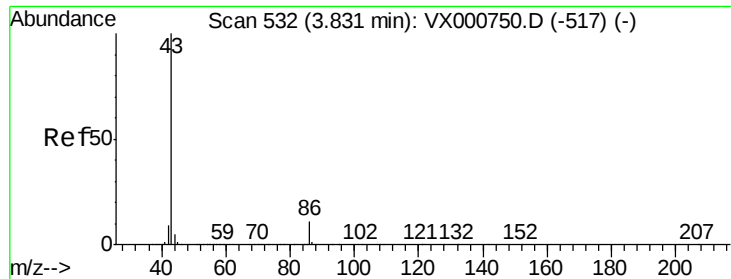
Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion:	45	Resp:	162973
Ion	Ratio	Lower	Upper
45	100		
43	56.9	46.6	69.8
87	28.8	22.9	34.3
59	11.9	9.2	13.8





#23

Vinyl Acetate

Concen: 101.19 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion: 43 Resp: 720175

Ion Ratio Lower Upper

43 100

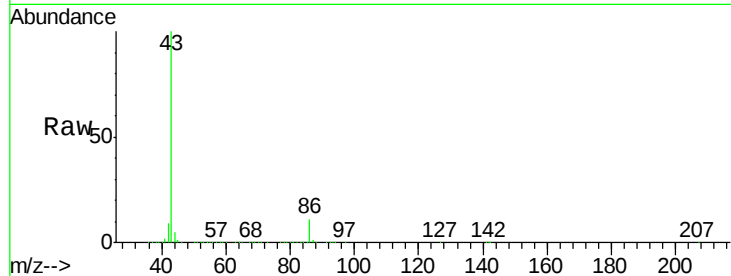
86 10.6 8.6 12.8

Manual Integrations

APPROVED

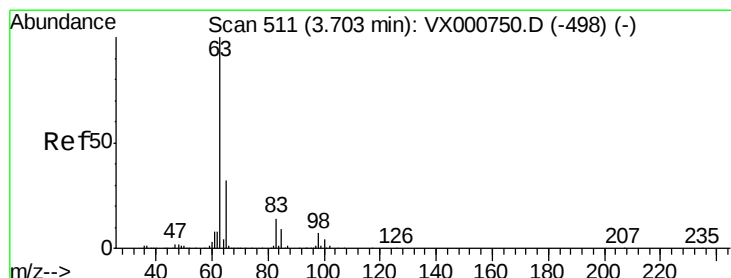
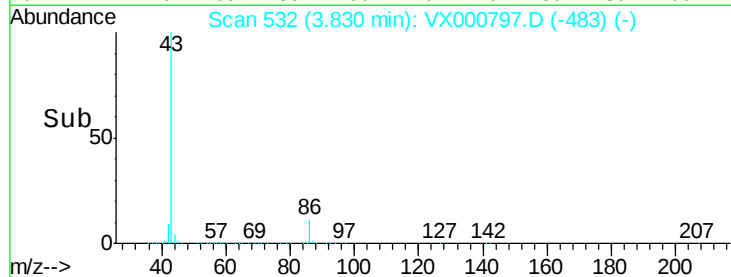
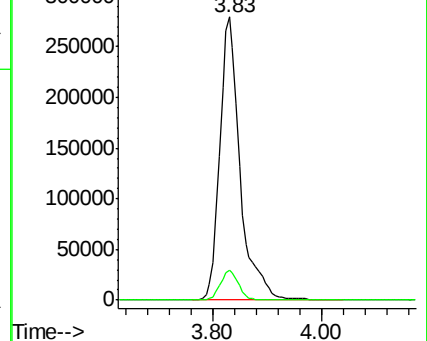
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.71 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

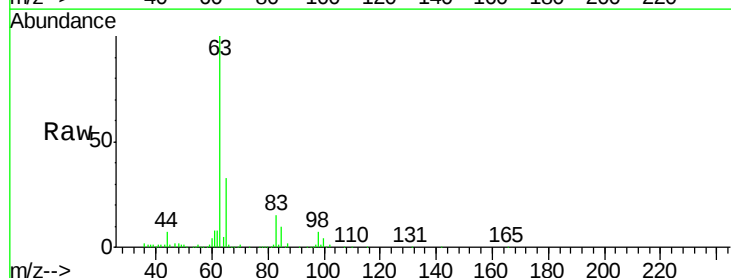
Tgt Ion: 63 Resp: 89642

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

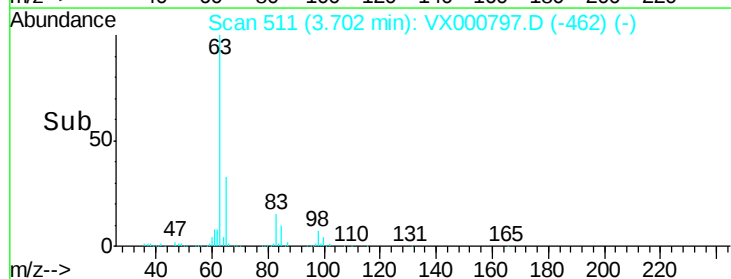
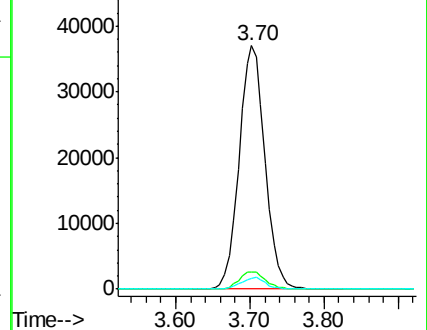
100 4.4 2.1 6.3

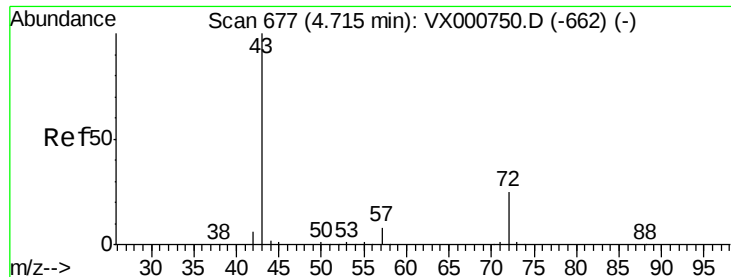


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 106.75 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tot Ion: 43 Resp: 199235

Ion Ratio Lower Upper

43 100

72 24.9 20.3 30.5

Instrument :

MSVOA_X

ClientSampleId :

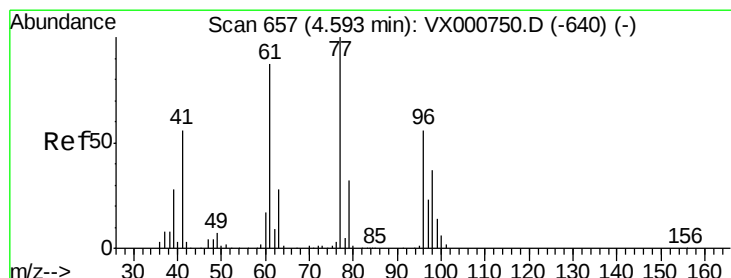
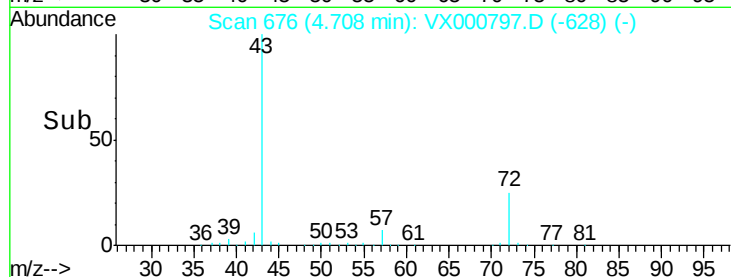
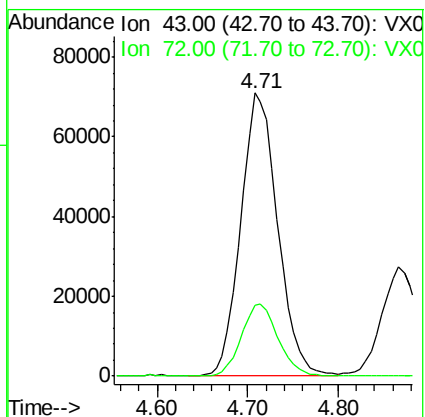
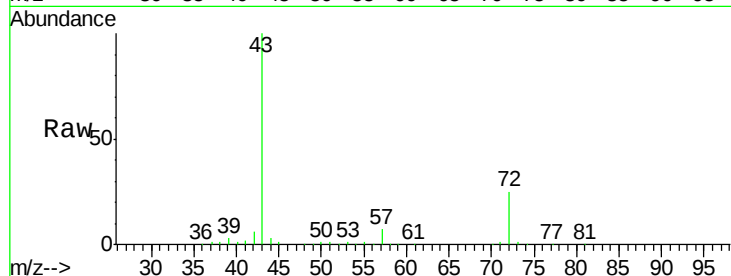
VX0412WBSD01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.23 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000797.D

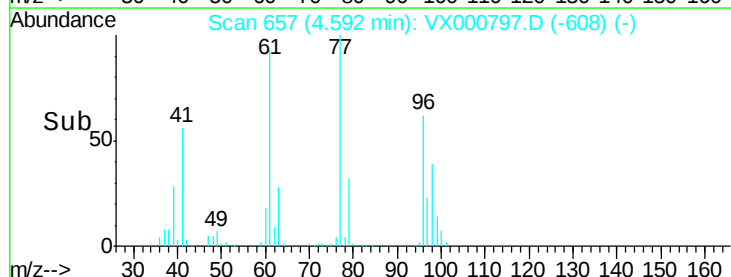
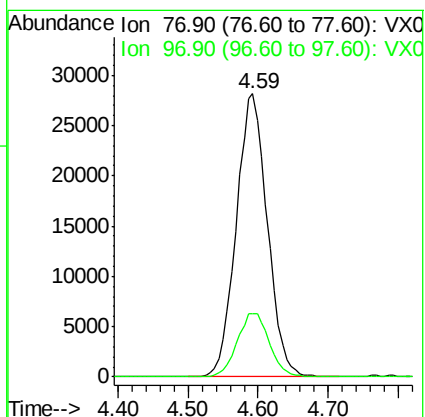
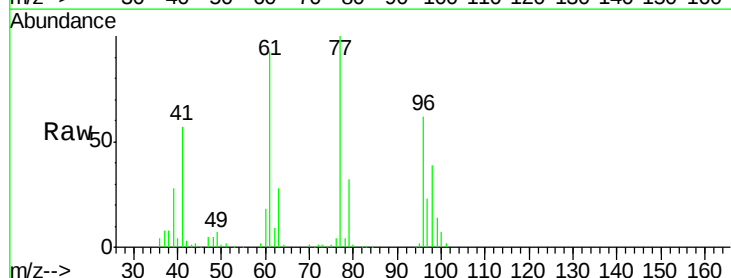
Acq: 12 Apr 2018 13:07

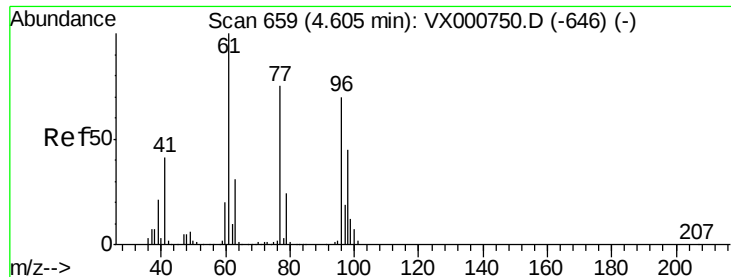
Tgt Ion: 77 Resp: 86808

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.4





#27

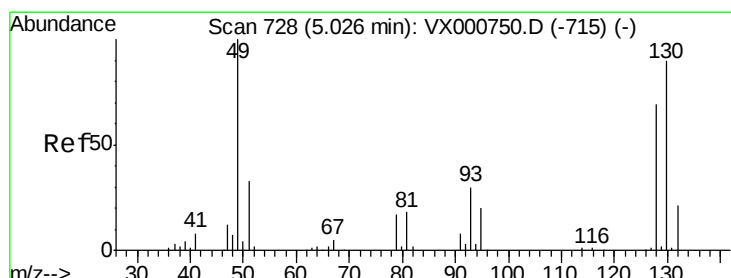
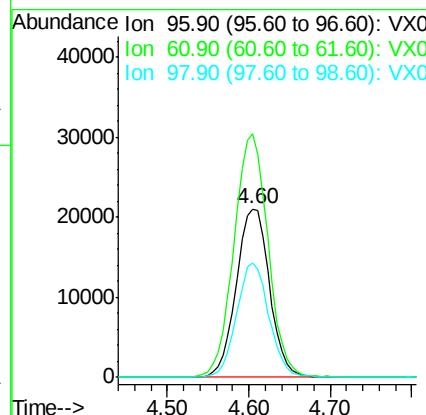
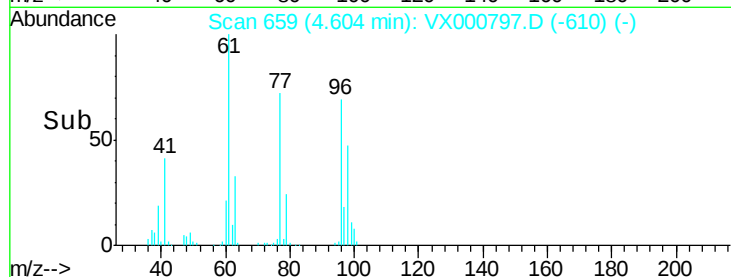
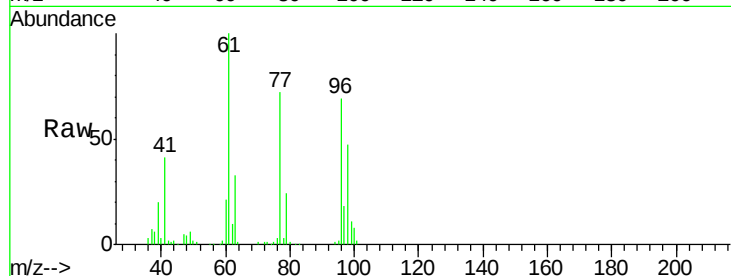
cis-1,2-Dichloroethene
 Concen: 19.90 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.8	0.0	292.4	
98	65.6	0.0	130.2	

Manual Integrations
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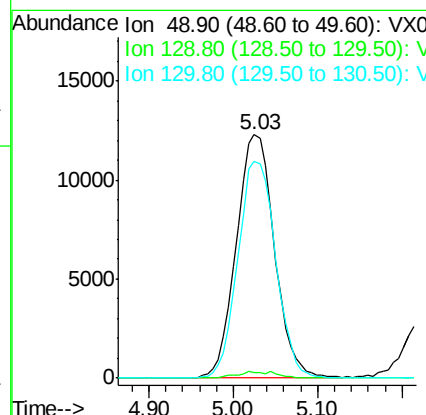
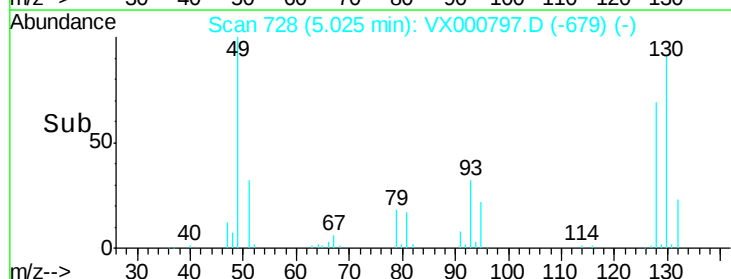
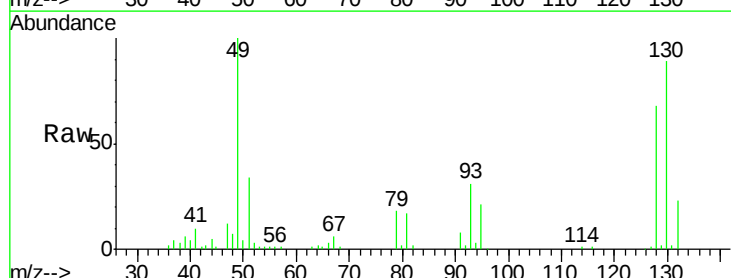
apatel
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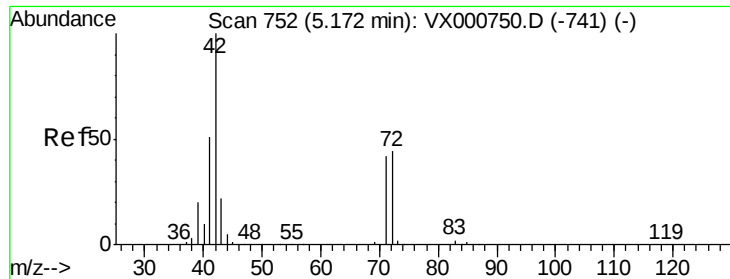


#28

Bromochloromethane
 Concen: 20.62 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	5.2	
130	88.2	72.6	109.0	





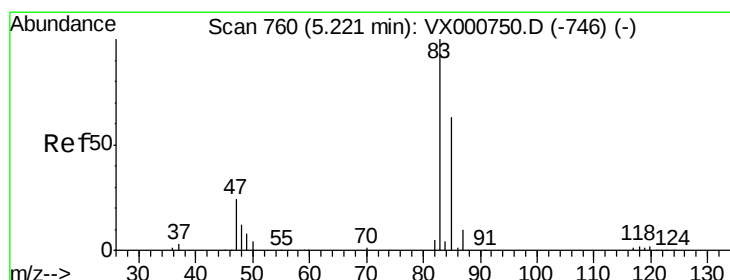
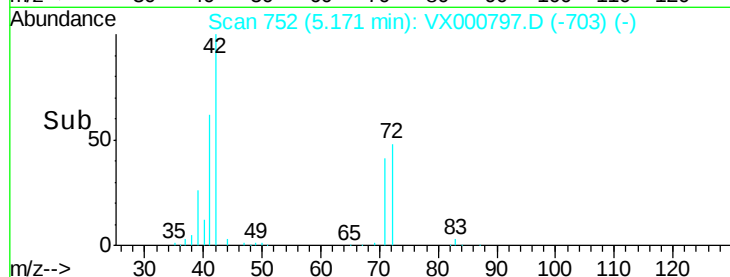
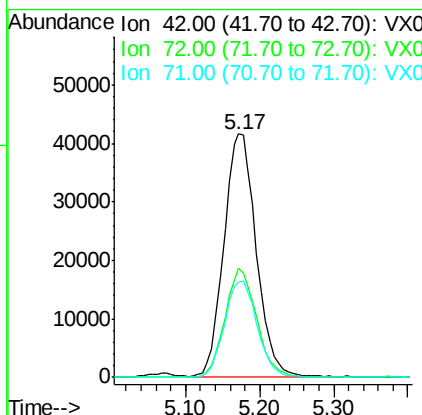
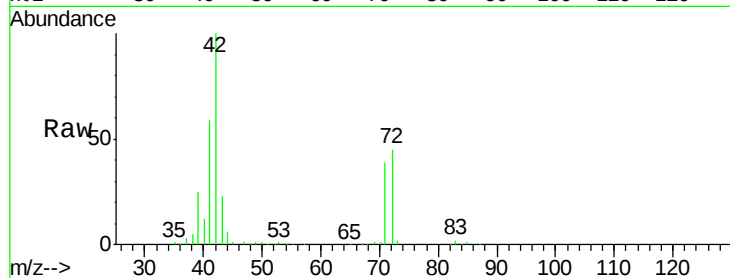
#29
Tetrahydrofuran
Concen: 105.69 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.1	52.7
71	40.4	32.8	49.2

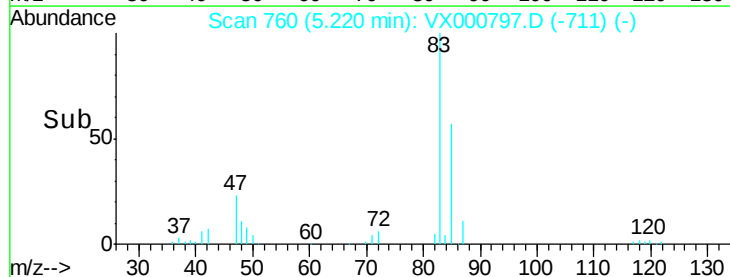
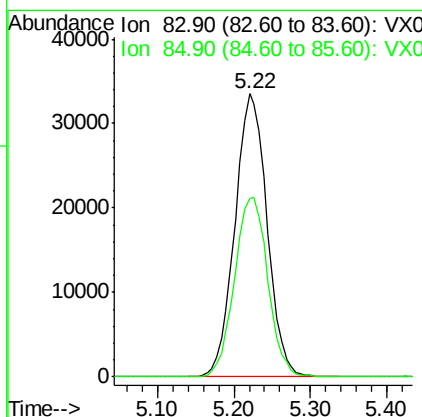
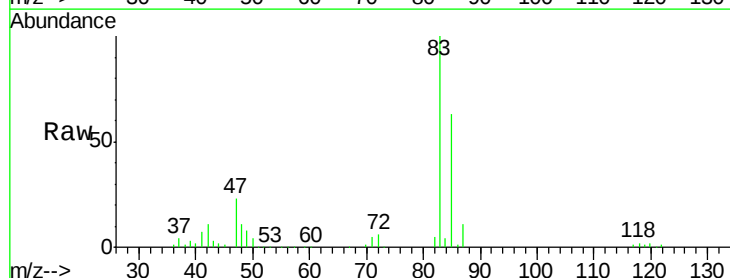
Manual Integrations
APPROVED

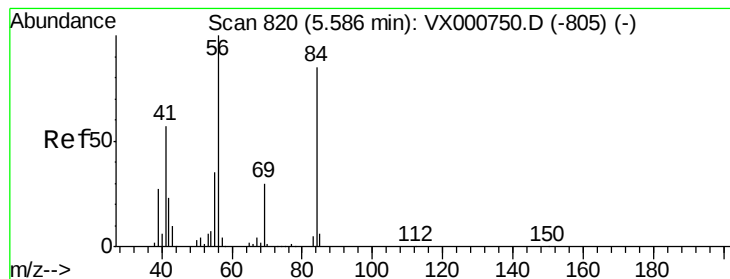
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#30
Chloroform
Concen: 20.27 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.7	76.1





#31

Cyclohexane

Concen: 19.77 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

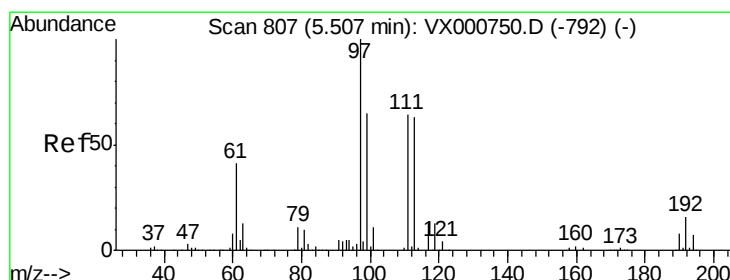
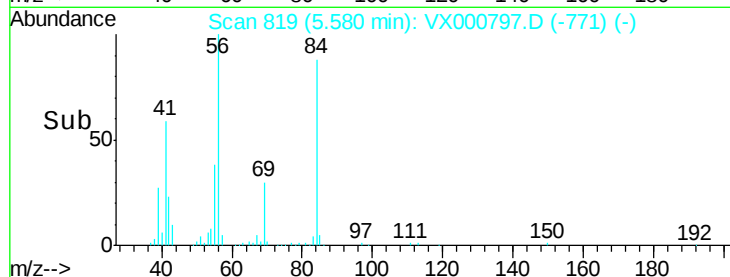
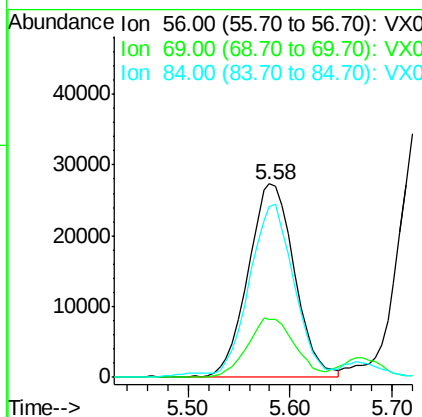
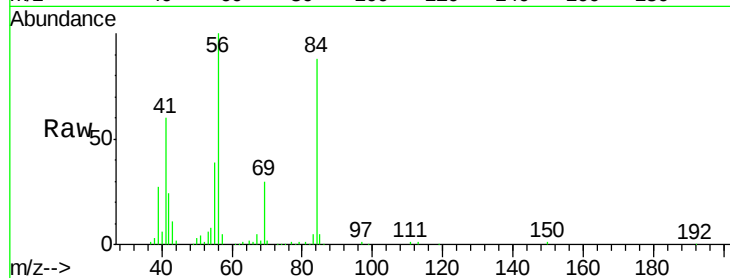
ClientSampleId :

VX0412WBSD01

Tot Ion:	56	Resp:	85413
Ion Ratio	Lower	Upper	
56	100		
69	30.2	24.2	36.4
84	86.8	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.72 ug/l

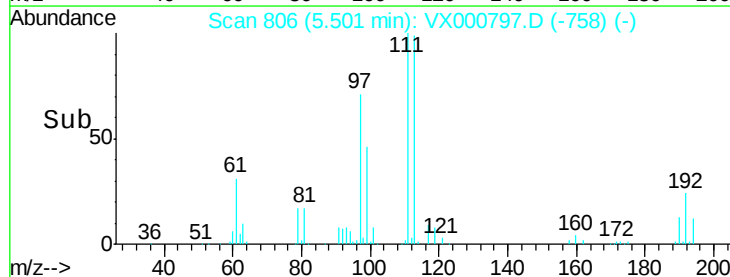
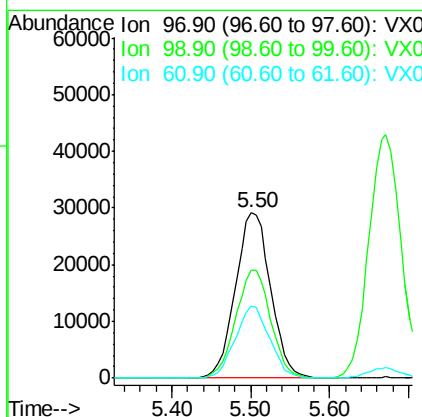
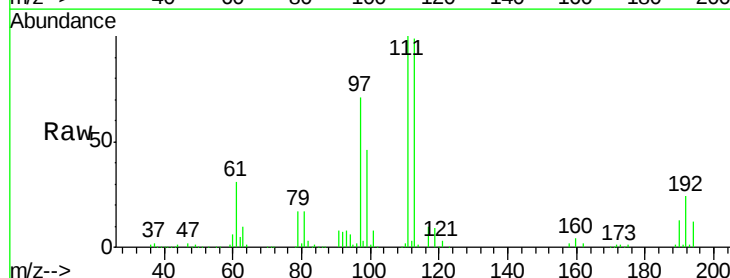
RT: 5.50 min Scan# 806

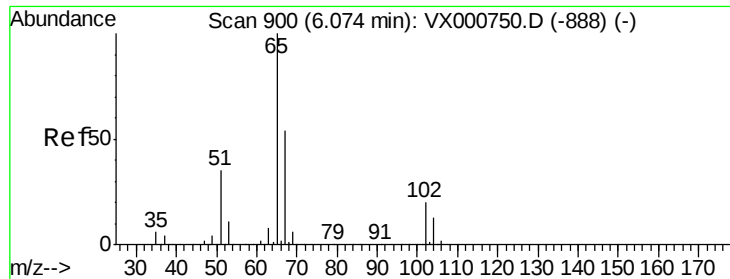
Delta R.T. -0.01 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion:	97	Resp:	90468
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.4	77.0
61	42.4	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 47.44 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tot Ion: 65 Resp: 155467

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.8

Instrument :

MSVOA_X

ClientSampled :

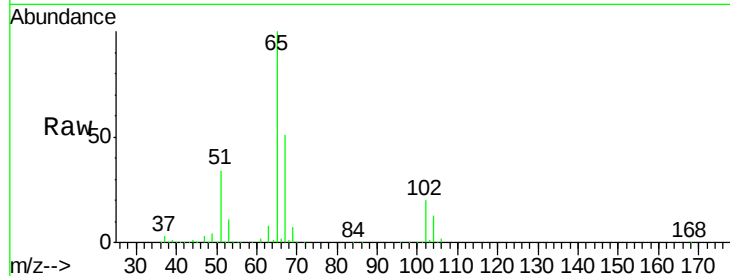
VX0412WBSD01

Manual Integrations

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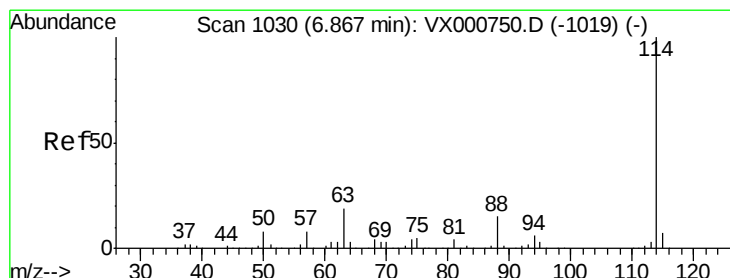
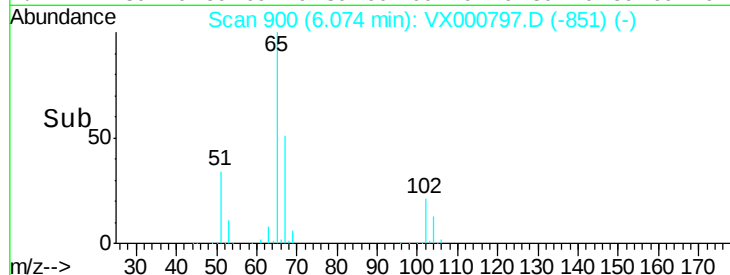
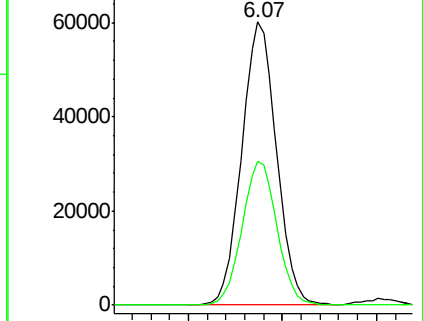
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

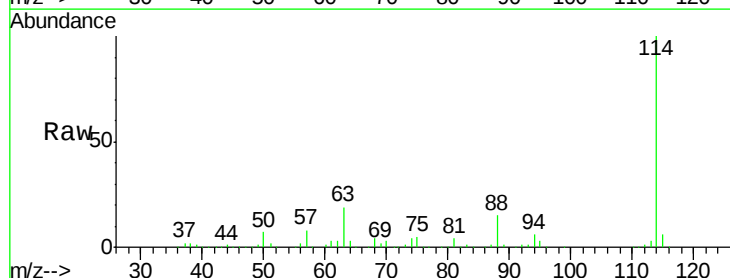
Tgt Ion: 114 Resp: 340884

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

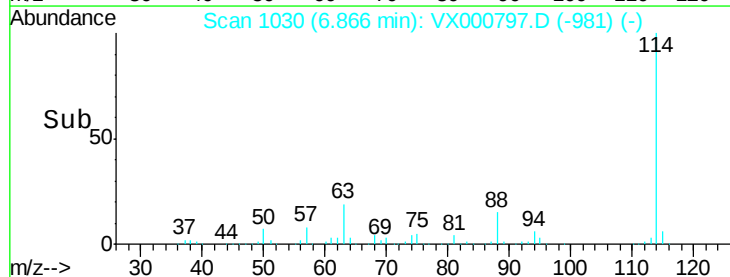
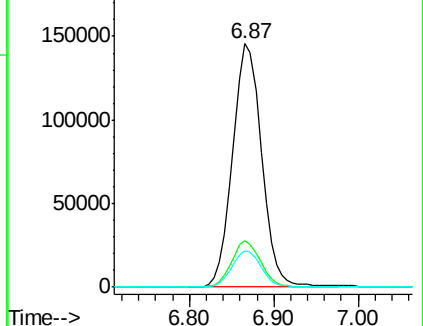
88 14.9 0.0 31.0

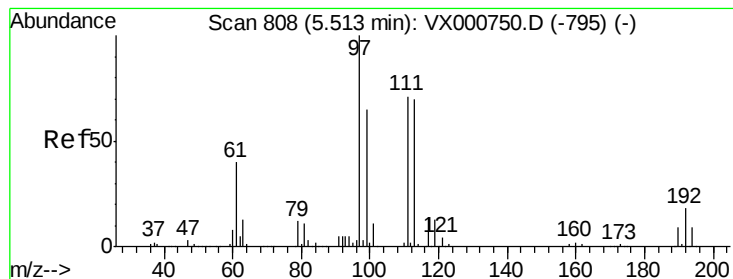


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.41 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

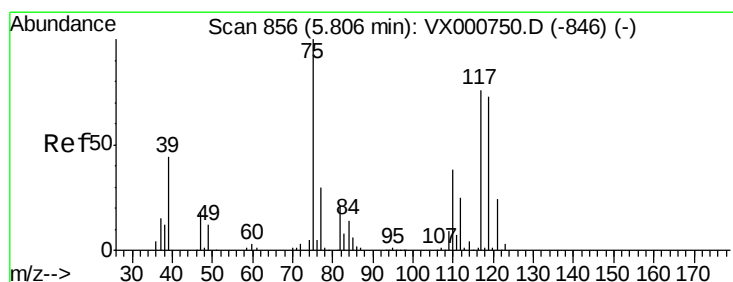
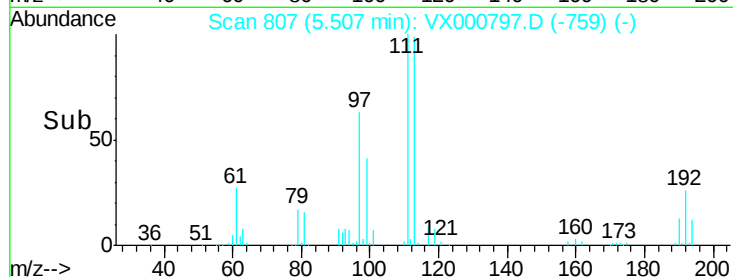
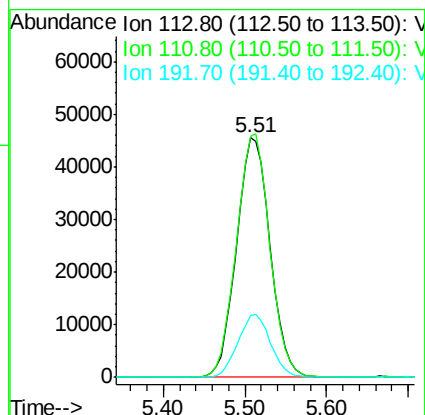
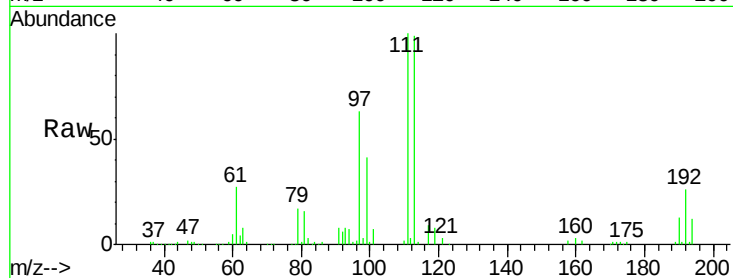
ClientSampleId :

VX0412WBSD01

Tot Ion:	113	Resp:	129777
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.5	122.3
192	25.7	20.4	30.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.66 ug/l

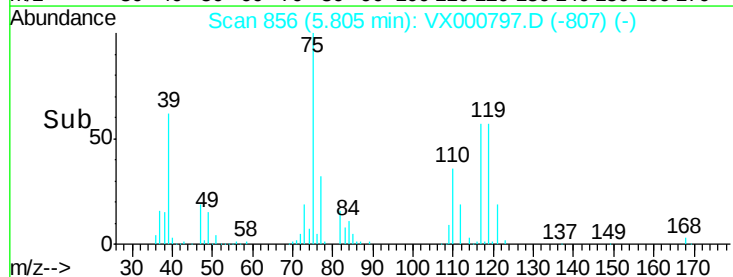
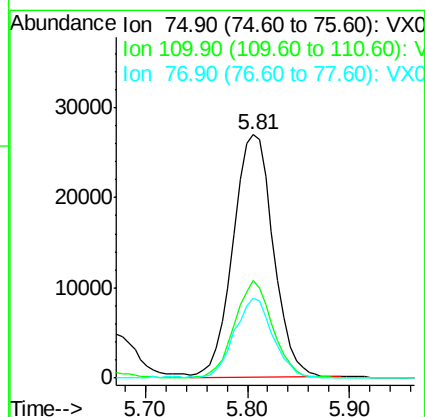
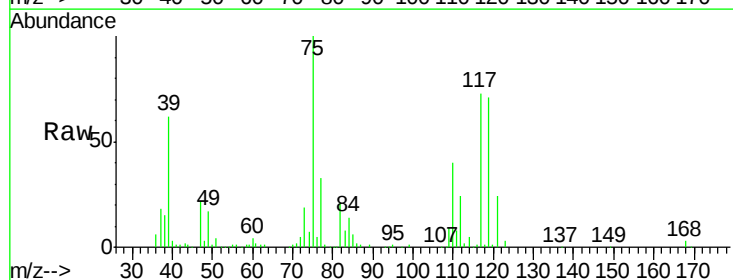
RT: 5.81 min Scan# 856

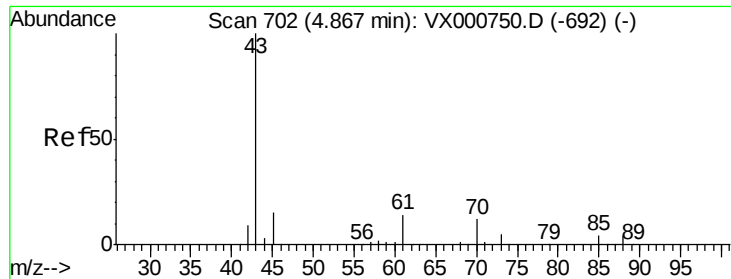
Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion:	75	Resp:	73813
Ion Ratio	Lower	Upper	
75	100		
110	38.0	19.2	57.6
77	31.7	25.4	38.2





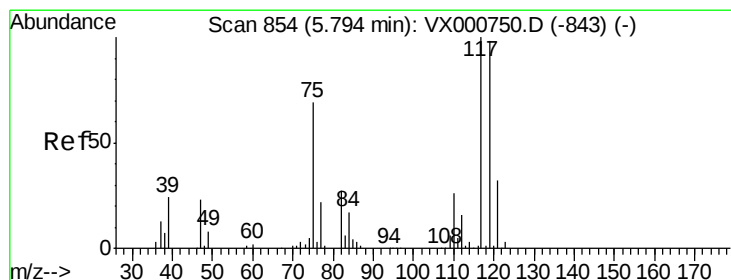
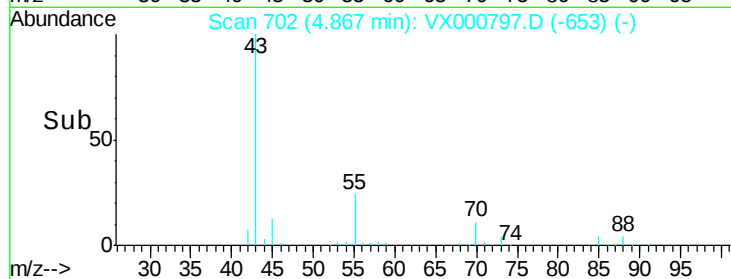
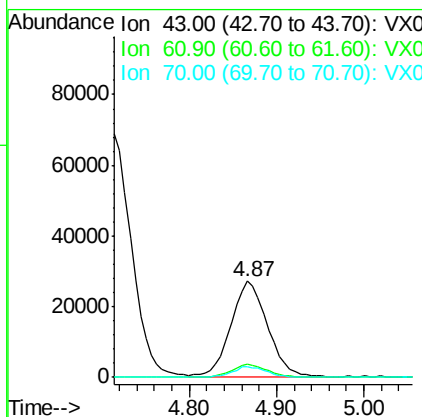
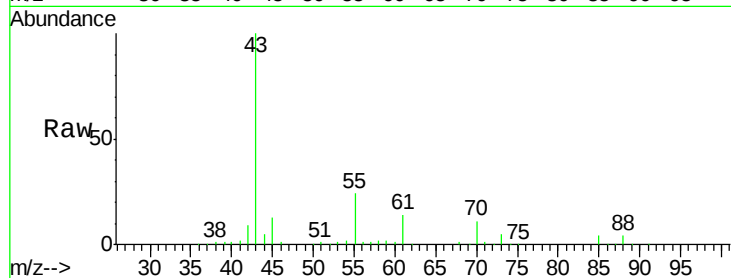
#37
Ethyl Acetate
Concen: 21.29 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	11.1	8.7	13.1

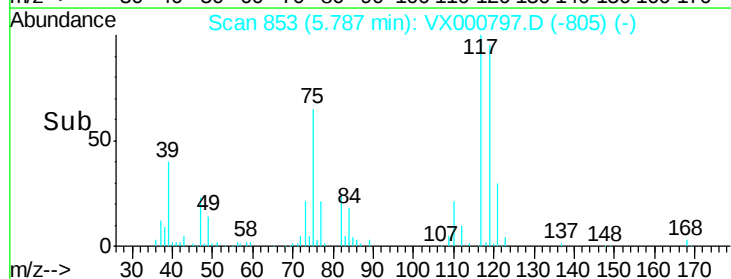
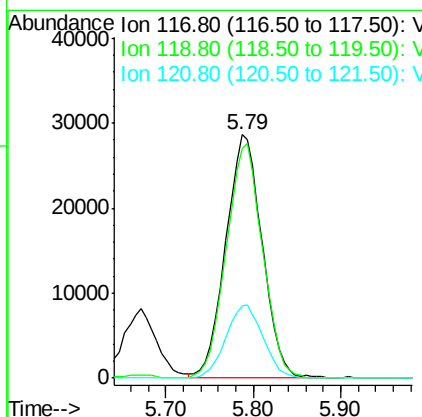
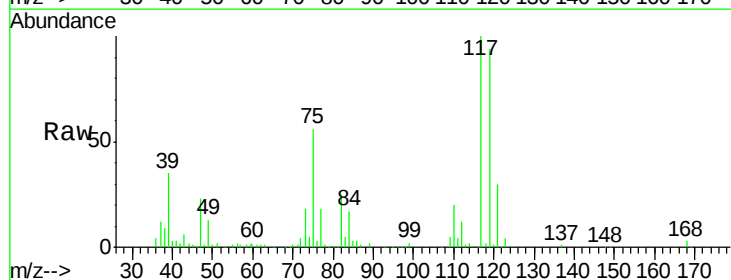
Manual Integrations
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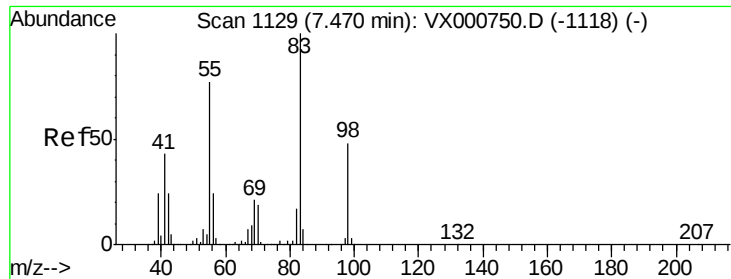
apatel
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#38
Carbon Tetrachloride
Concen: 19.63 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.4	117.6
121	30.0	25.4	38.0





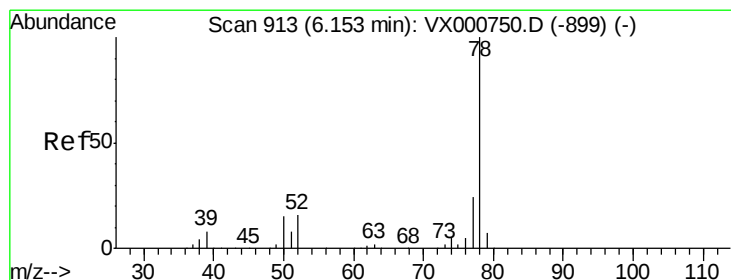
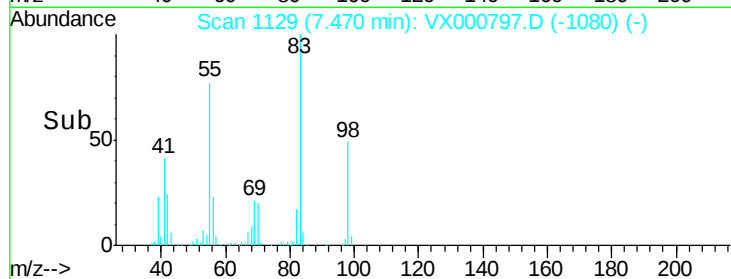
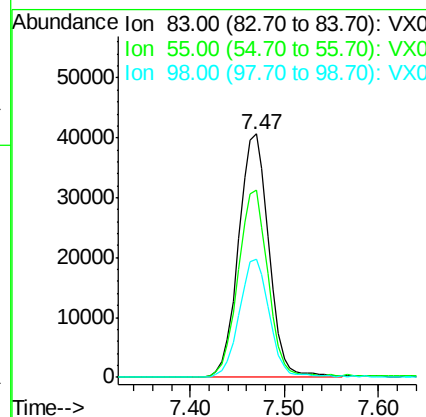
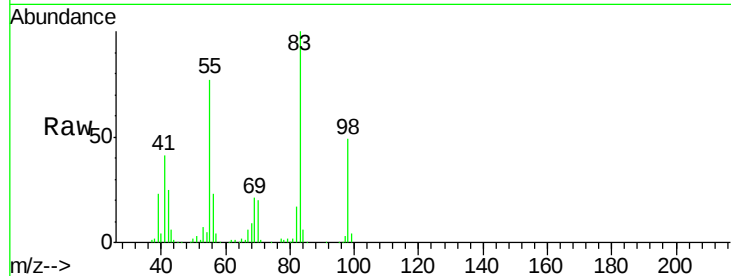
#39
Methvlcvclohexane
Concen: 20.25 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	83.00	Resp:	91314
Ion	Ratio	Lower	Upper
83	100		
55	76.5	61.5	92.3
98	48.7	38.1	57.1

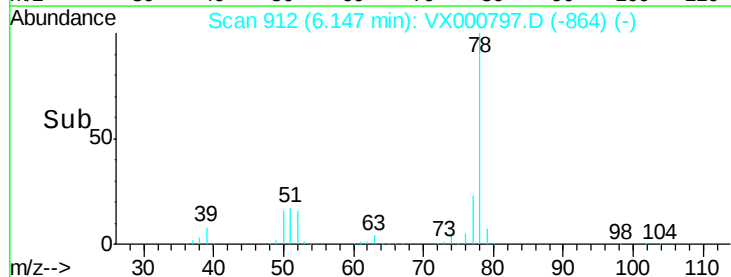
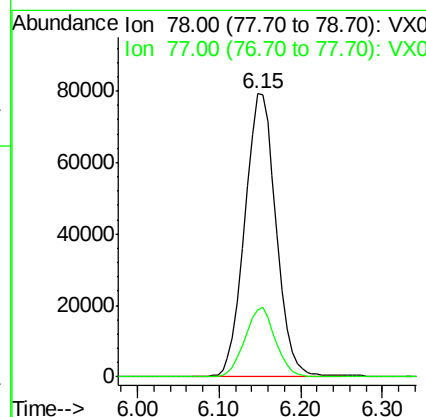
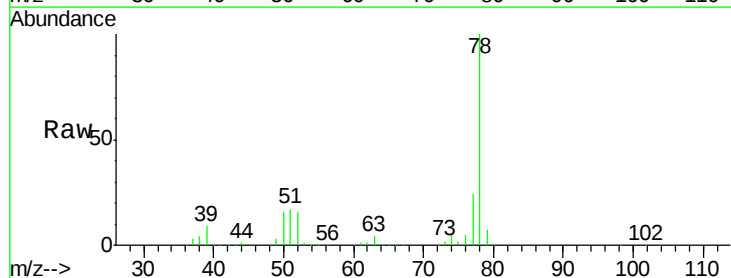
Manual Integrations
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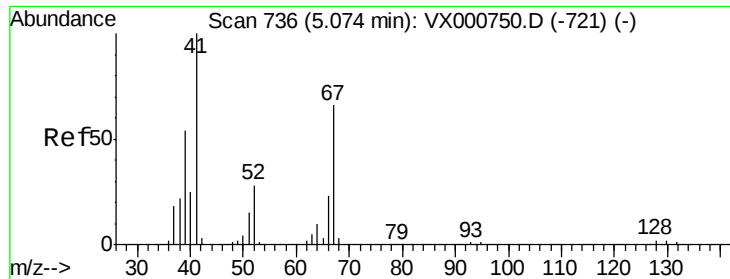
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#40
Benzene
Concen: 20.29 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion	78	Resp:	211683
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





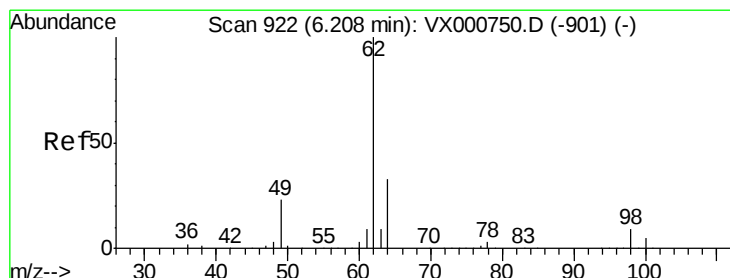
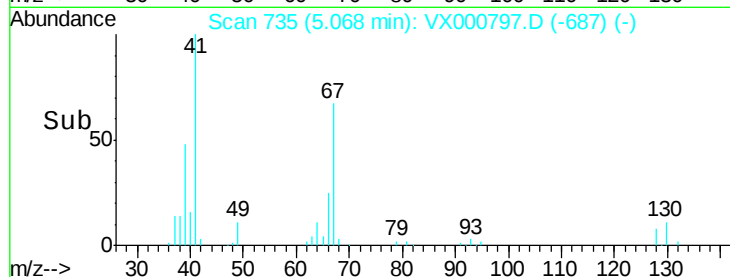
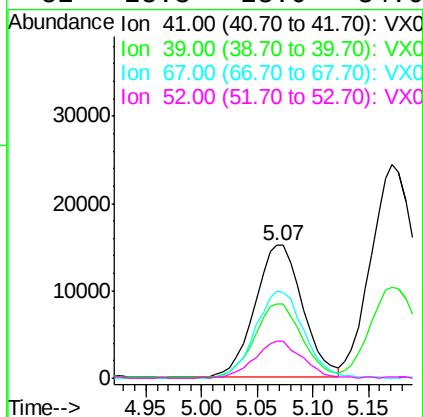
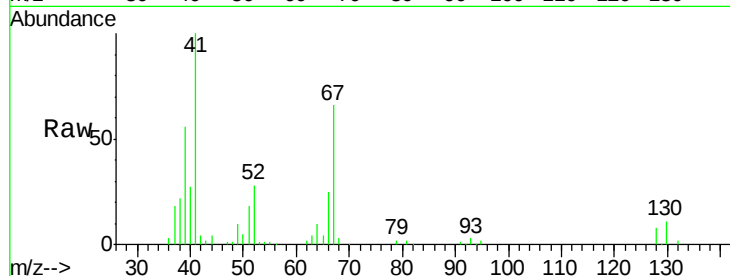
#41
Methacrylonitrile
Concen: 21.40 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	44.9	67.3	
67	67.4	54.7	82.1	
52	28.3	23.0	34.6	

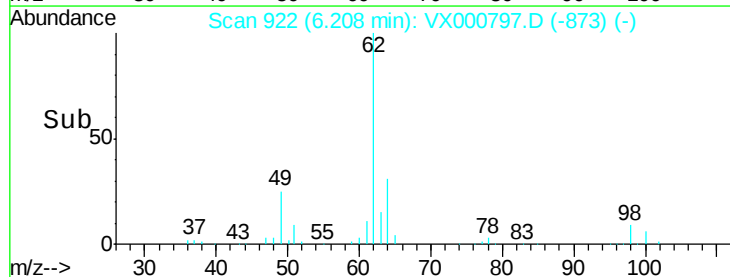
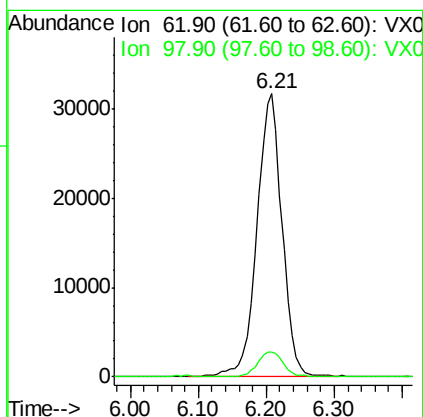
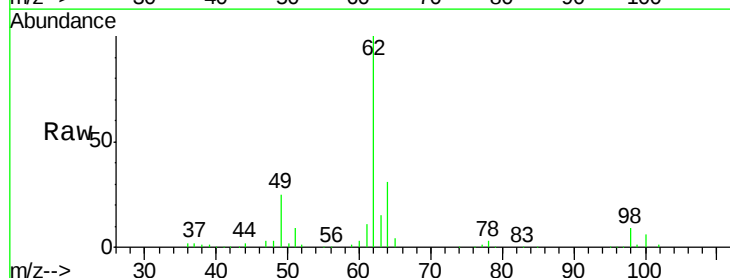
Manual Integrations
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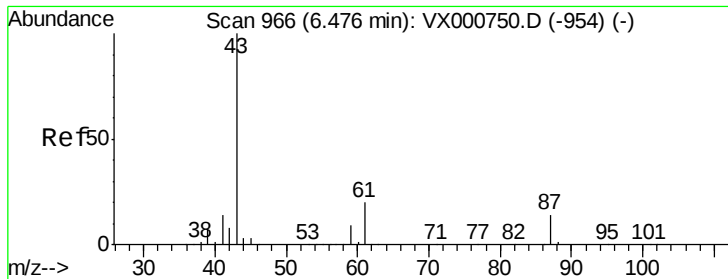
apatel
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#42
1,2-Dichloroethane
Concen: 20.99 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.6	





#43

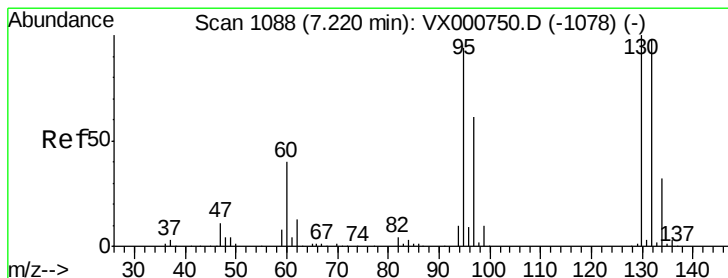
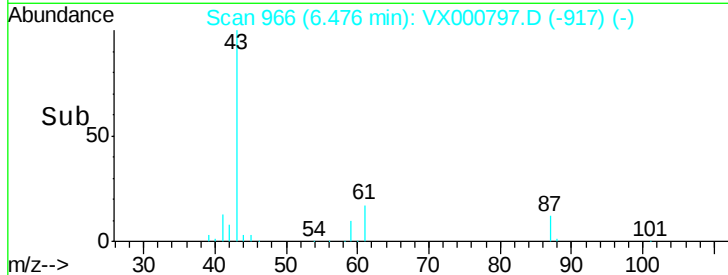
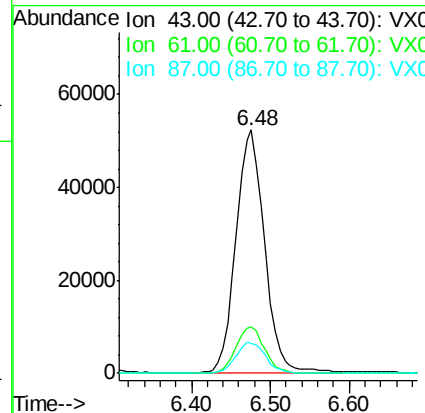
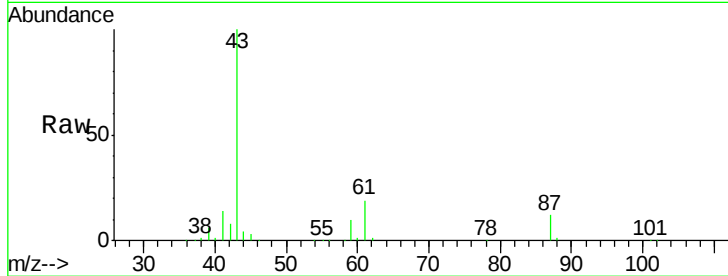
Isopropyl Acetate
 Concen: 20.99 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.6	23.4
87	13.2	10.7	16.1

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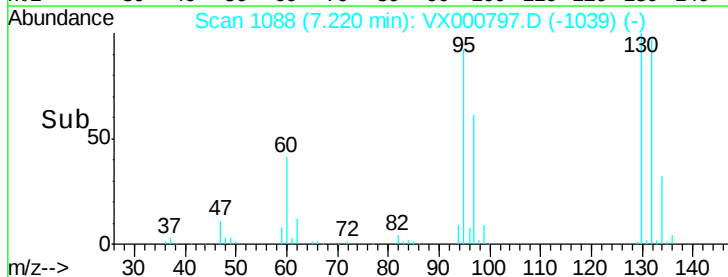
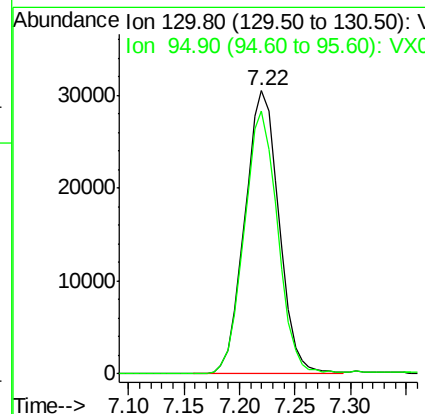
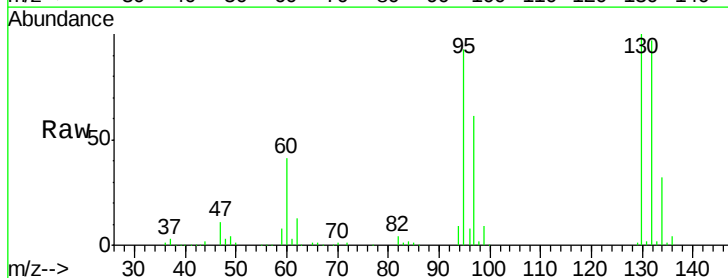
apatel
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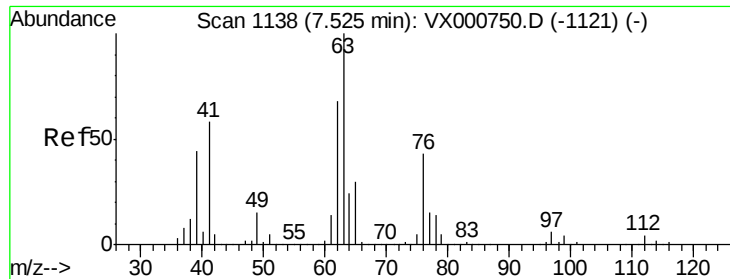


#44

Trichloroethene
 Concen: 20.10 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	187.0





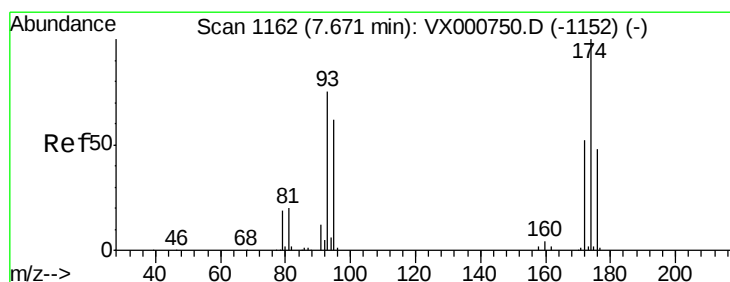
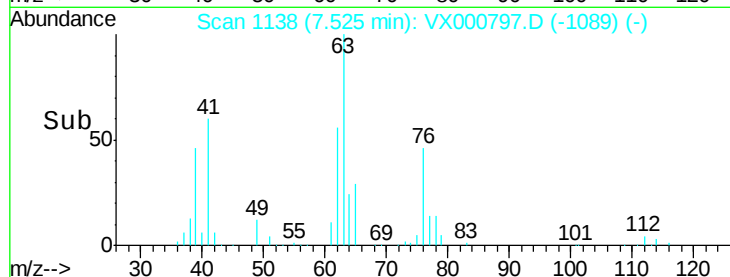
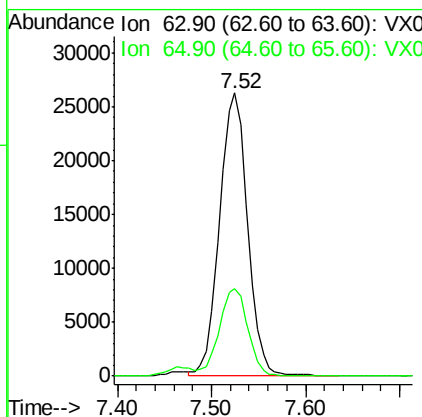
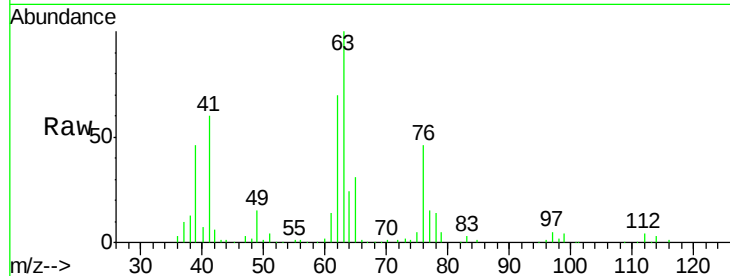
#45
 1,2-Dichloropropane
 Concen: 20.45 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Tot Ion: 63 Resp: 54322
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.7 35.5

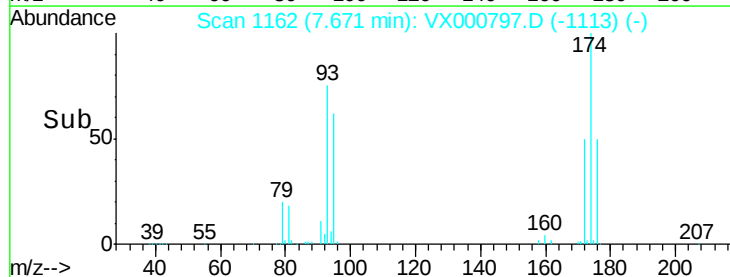
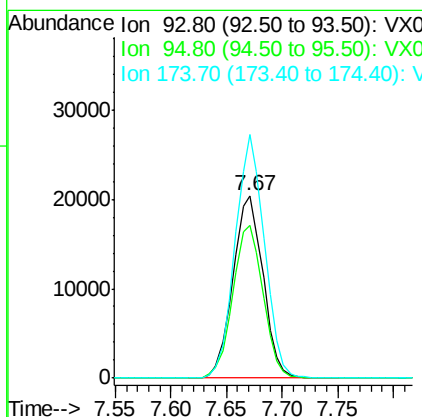
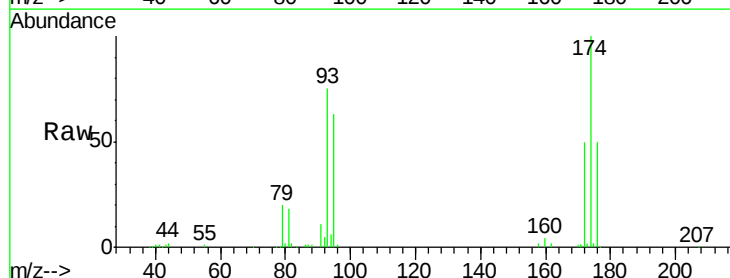
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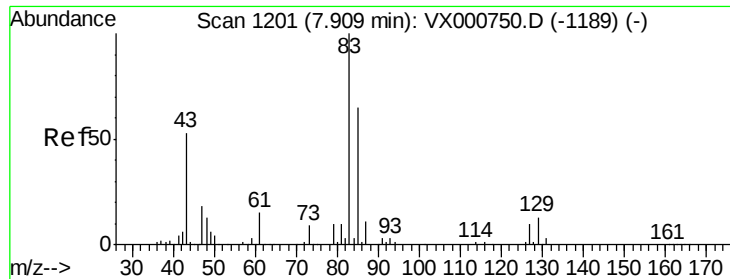
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#46
 Dibromomethane
 Concen: 20.61 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Tgt Ion: 93 Resp: 38166
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 100.0
 174 129.9 104.5 156.7





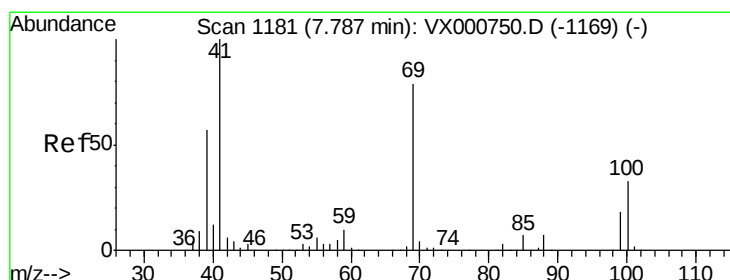
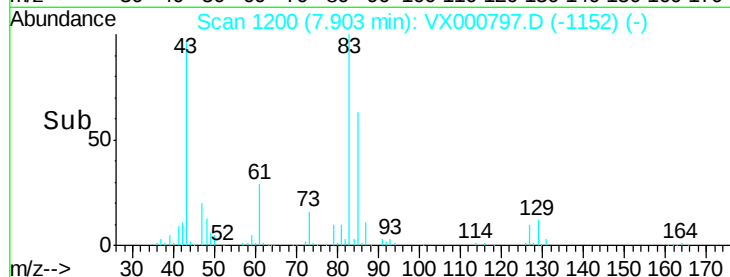
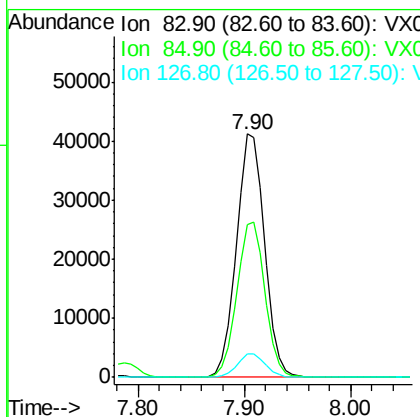
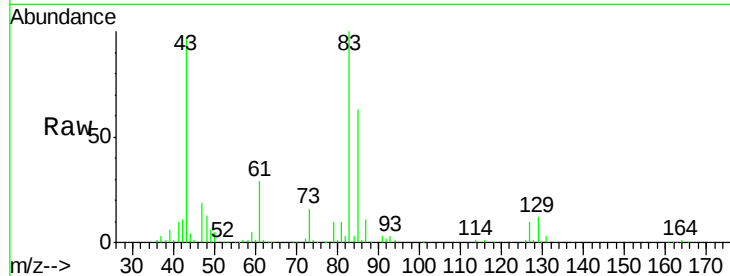
#47
 Bromodichloromethane
 Concen: 20.52 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.8	52.2	78.4	
127	9.6	7.8	11.8	

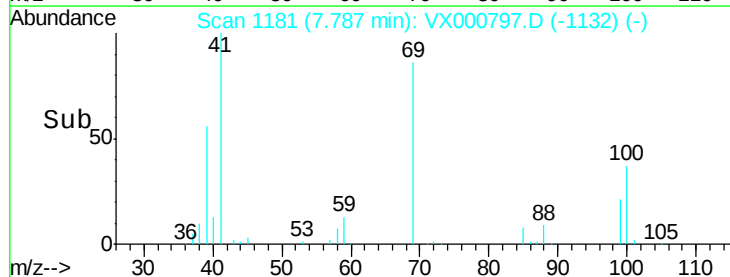
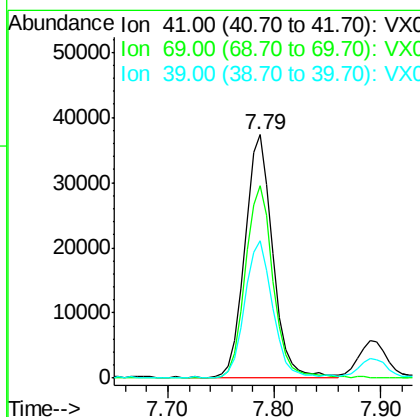
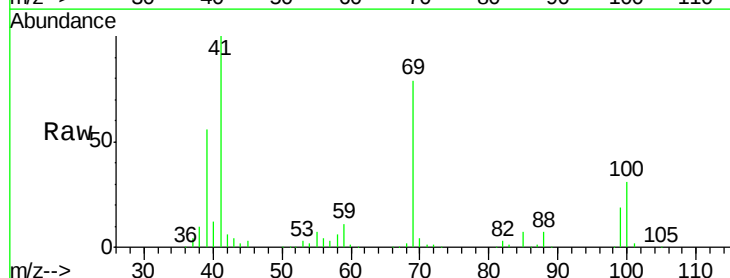
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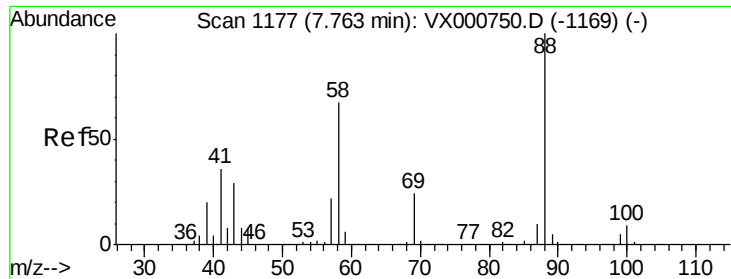
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#48
 Methyl methacrylate
 Concen: 20.94 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	80.1	63.9	95.9	
39	56.6	45.9	68.9	





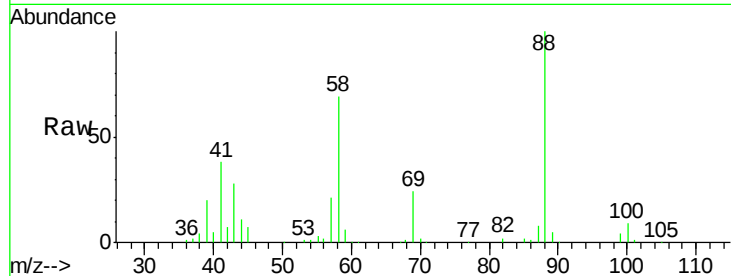
#49
1,4-Dioxane
Concen: 427.53 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.8	38.8
58	70.3	54.4	81.6

Manual Integrations
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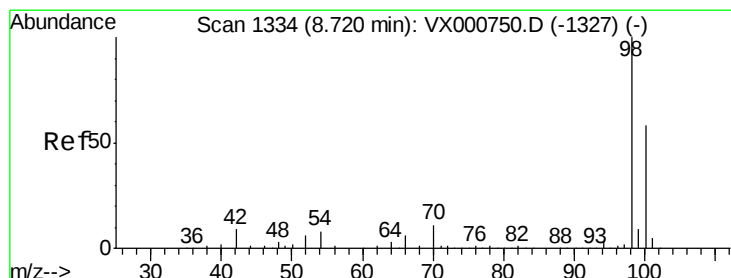
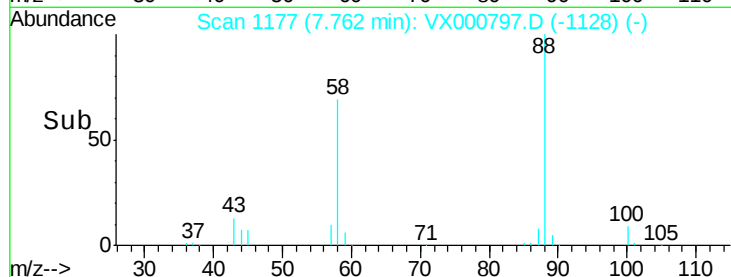
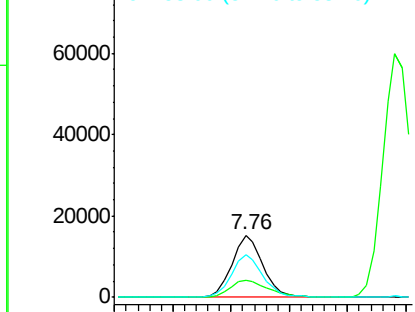


Abundance

Ion 88.00 (87.70 to 88.70): VX0

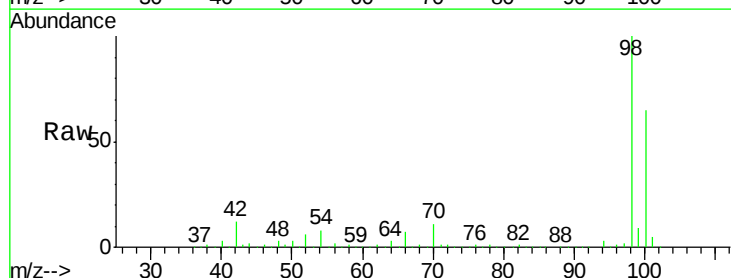
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.04 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

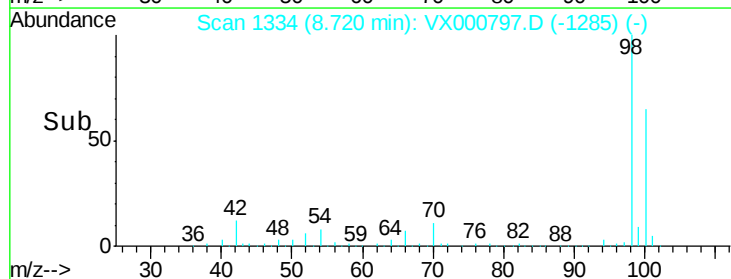
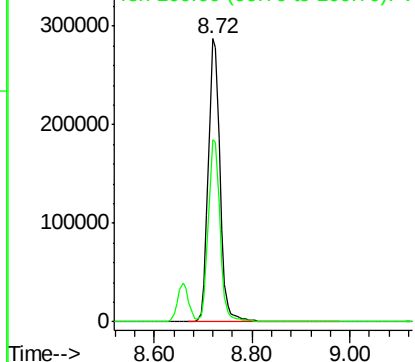
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0

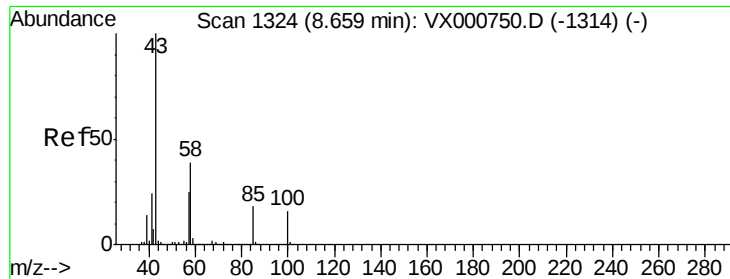


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





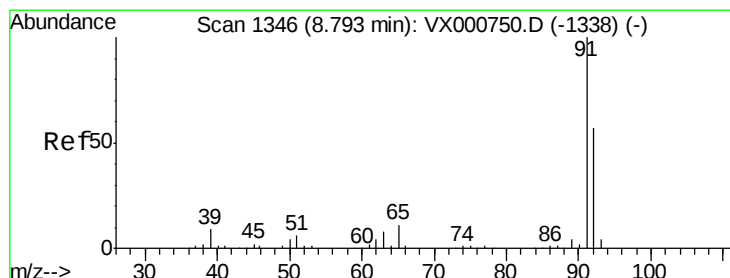
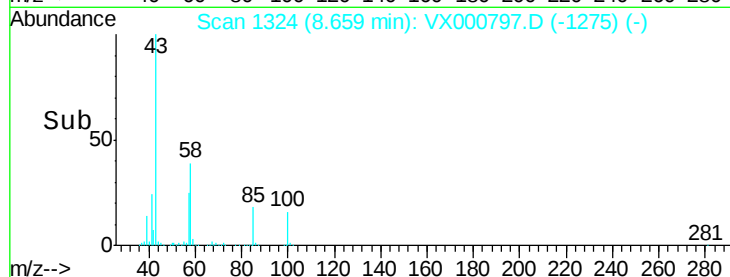
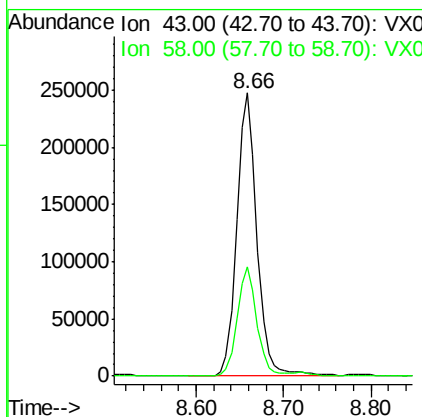
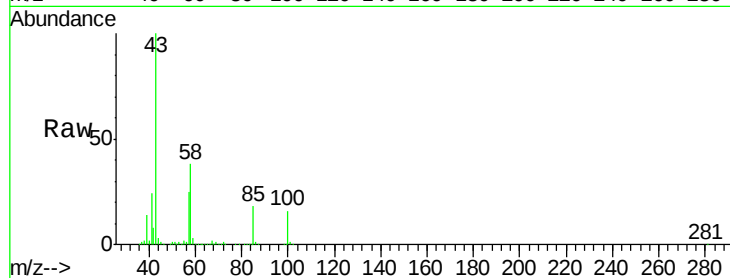
#51
 4-Methyl-2-Pentanone
 Concen: 108.20 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Tot Ion	43	Resp	399355
Ion Ratio	100	Lower	Upper
43	100		
58	37.3	30.3	45.5

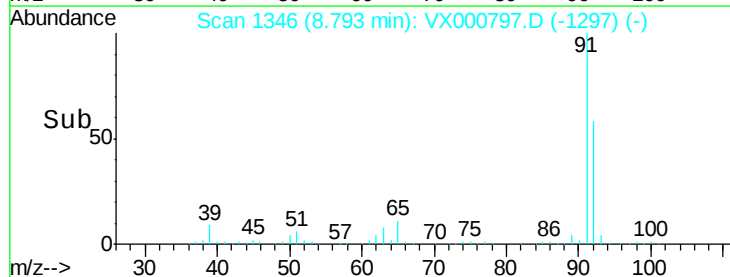
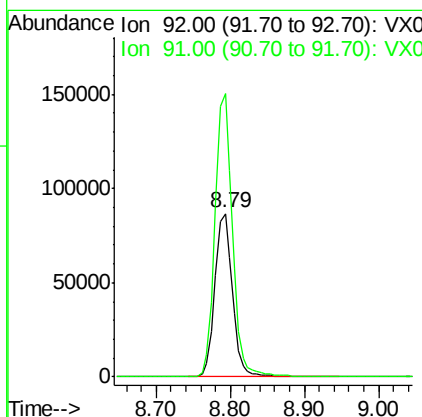
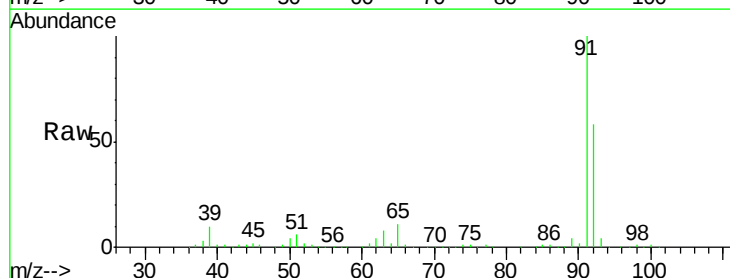
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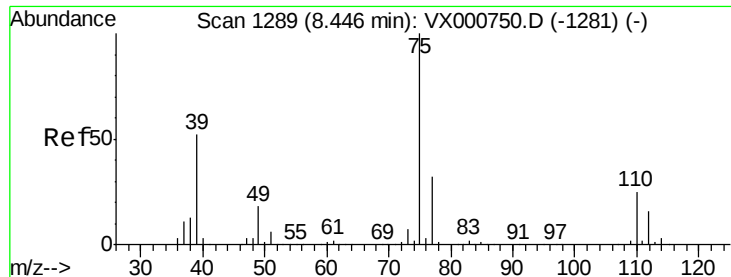
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#52
 Toluene
 Concen: 20.43 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Tgt Ion	92	Resp	141364
Ion Ratio	100	Lower	Upper
92	100		
91	171.5	139.0	208.4





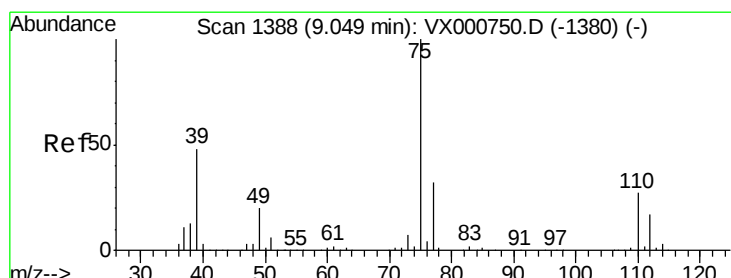
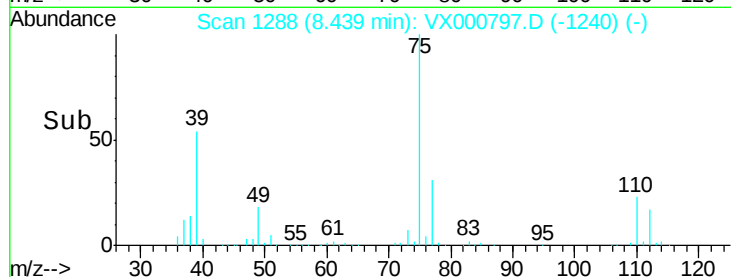
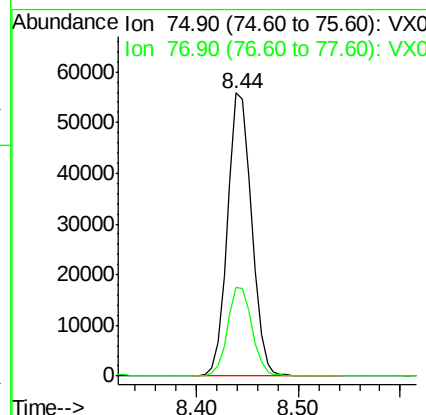
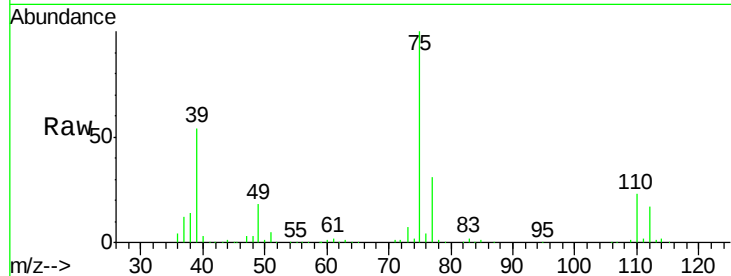
#53
t-1,3-Dichloropropene
Concen: 20.43 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion: 75 Resp: 91596
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

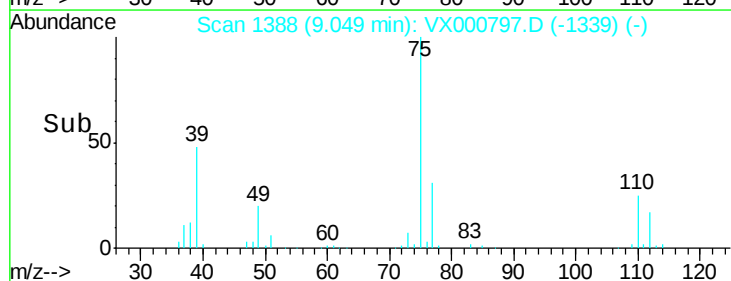
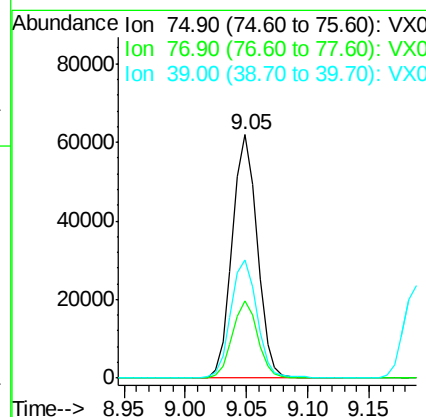
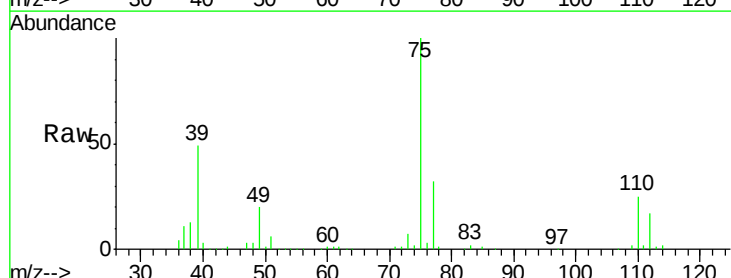
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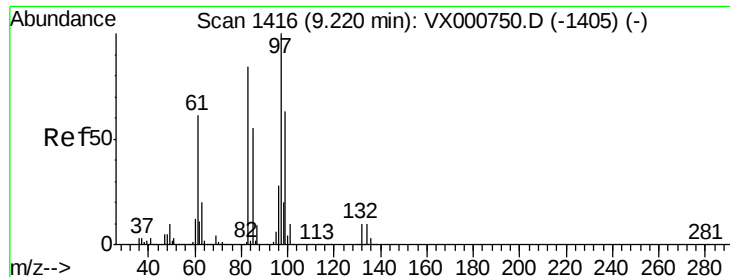
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#54
cis-1,3-Dichloropropene
Concen: 20.03 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion: 75 Resp: 87445
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 48.4 38.6 58.0





#55

1,1,2-Trichloroethane

Concen: 20.78 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

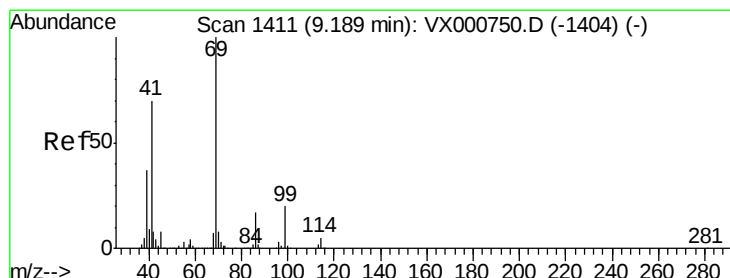
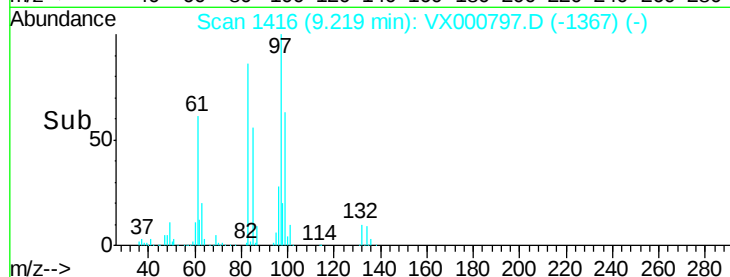
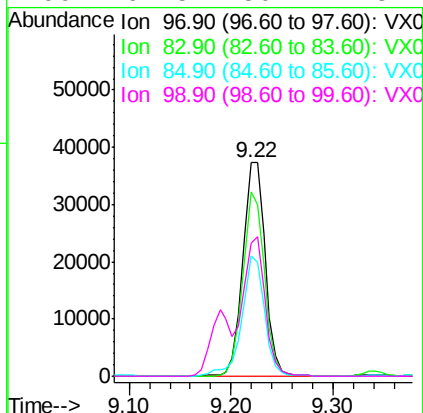
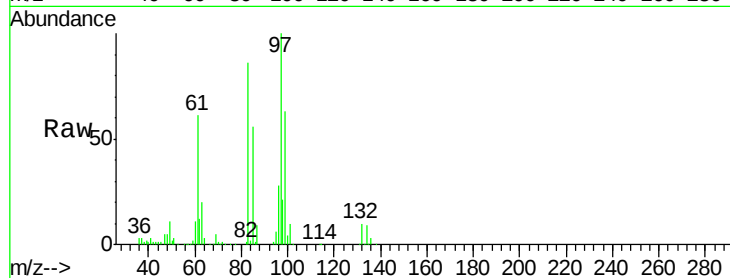
ClientSampleId :

VX0412WBSD01

Tot Ion:	97	Resp:	57083
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.6	101.4
85	56.4	43.8	65.6
99	62.5	50.2	75.4

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#56

Ethyl methacrylate

Concen: 20.63 ug/l

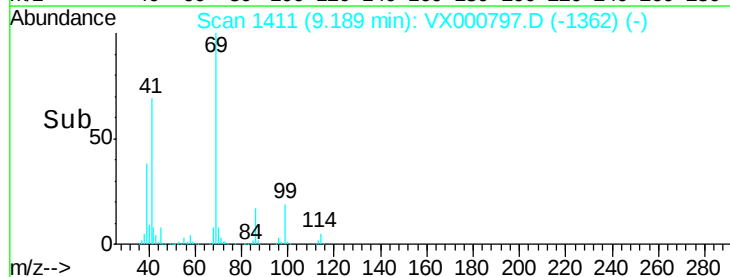
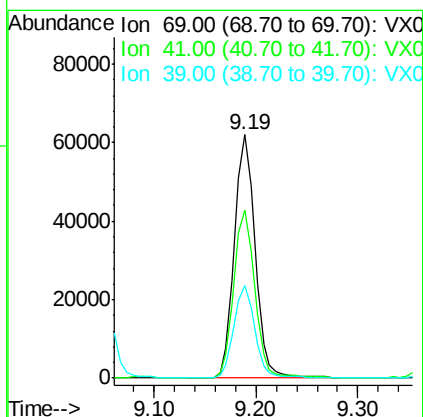
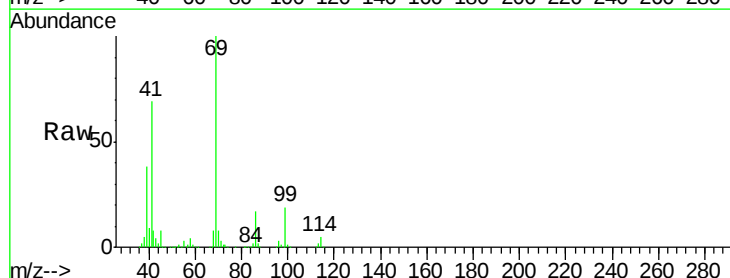
RT: 9.19 min Scan# 1411

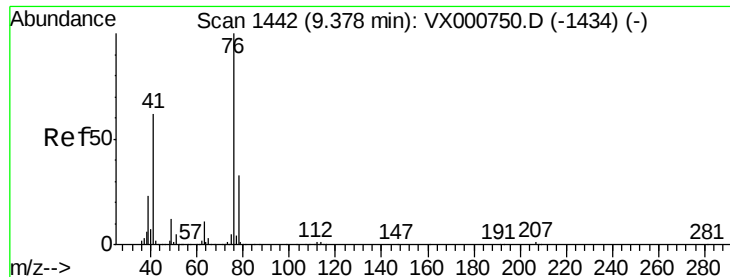
Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion:	69	Resp:	87434
Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.6	83.4
39	38.1	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.13 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion: 76 Resp: 92282

Ion Ratio Lower Upper

76 100

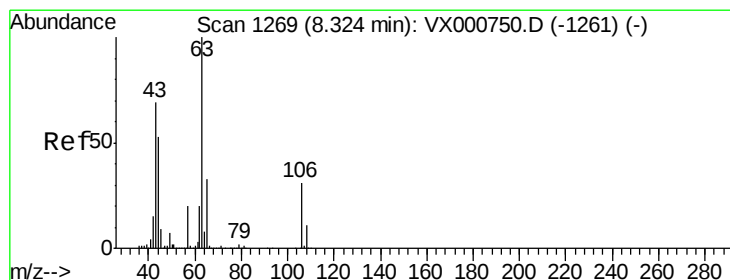
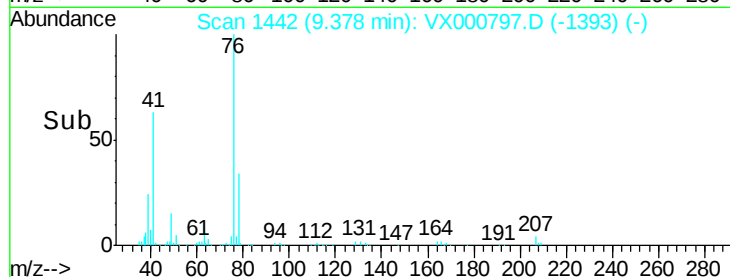
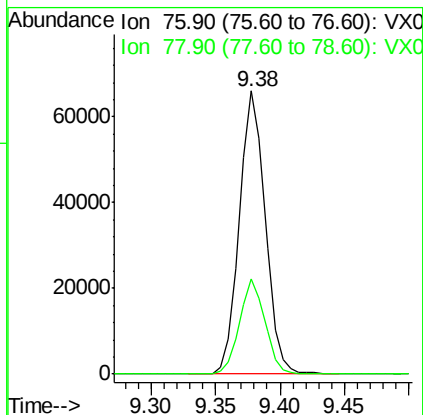
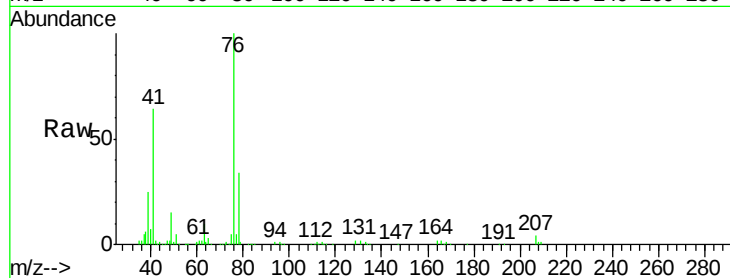
78 33.0 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 115.67 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX000797.D

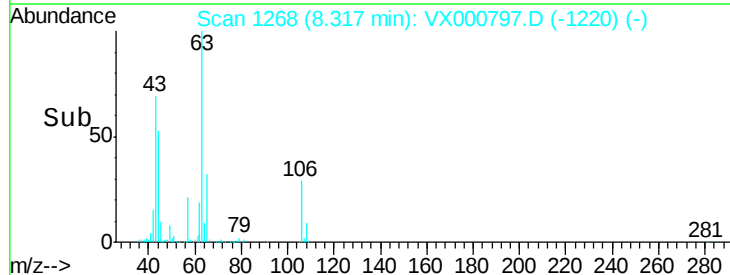
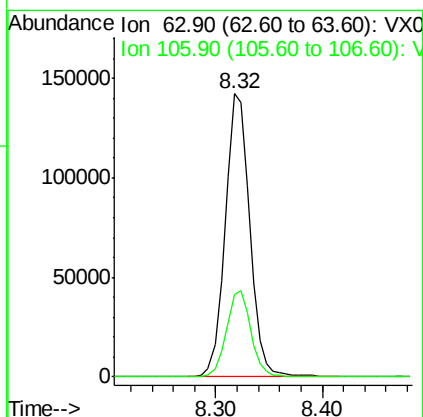
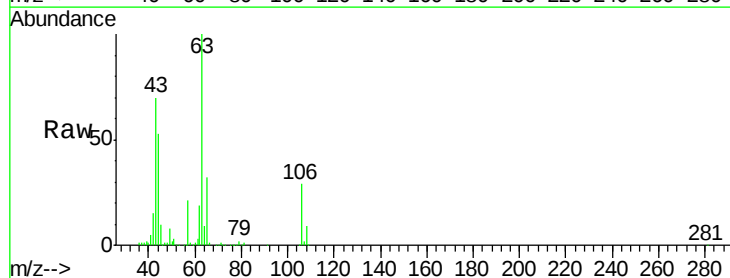
Acq: 12 Apr 2018 13:07

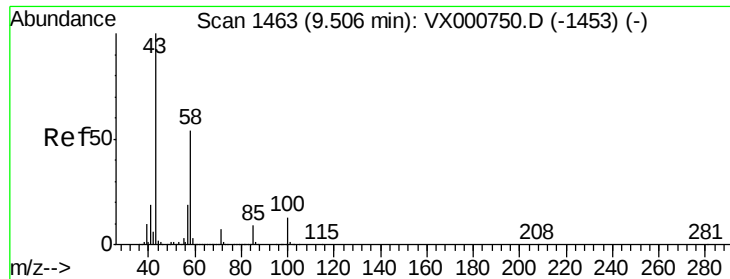
Tgt Ion: 63 Resp: 229042

Ion Ratio Lower Upper

63 100

106 30.5 24.3 36.5





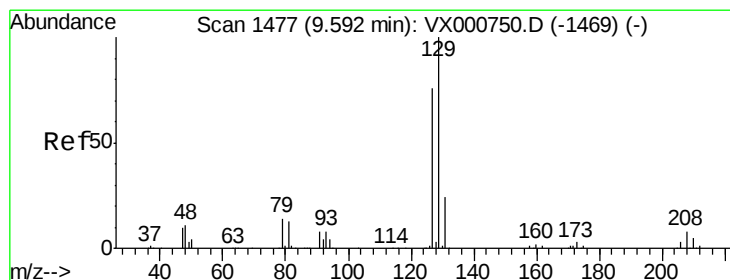
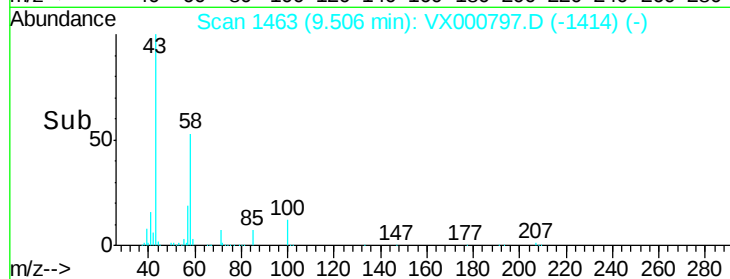
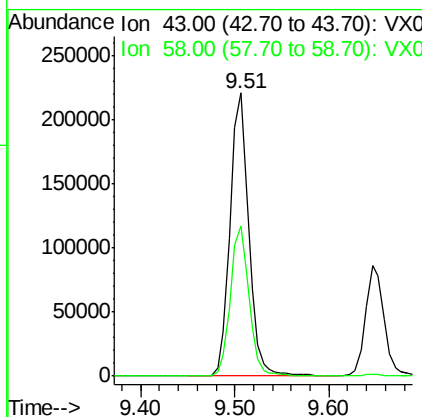
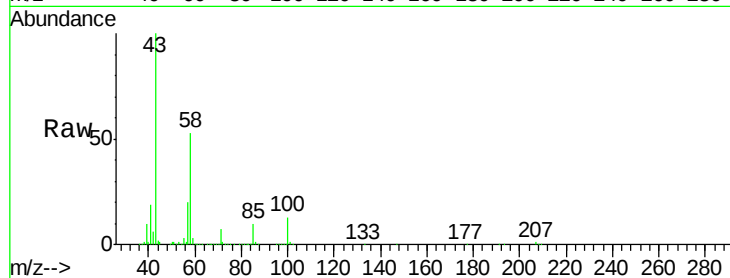
#59
2-Hexanone
Concen: 107.86 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.5	79.5

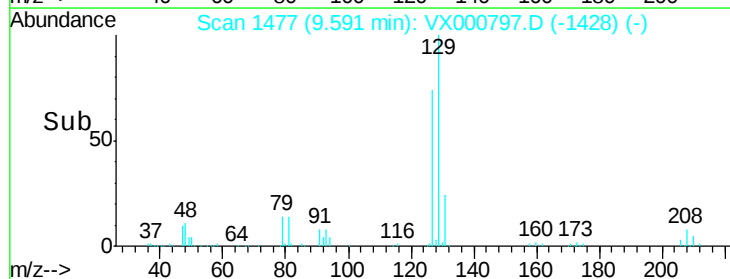
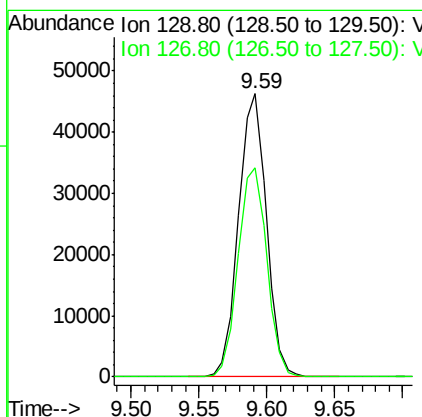
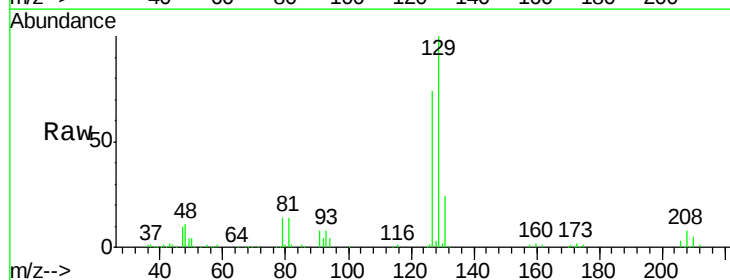
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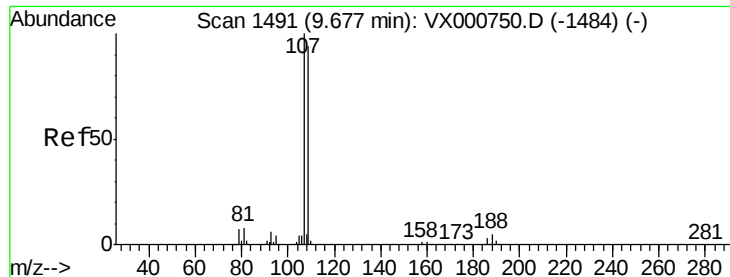
apatel
4/13/2018 2:57:56 PM



#60
Dibromochloromethane
Concen: 20.15 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.4	115.1





#61

1,2-Dibromoethane

Concen: 21.06 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion: 107 Resp: 61395

Ion Ratio Lower Upper

107 100

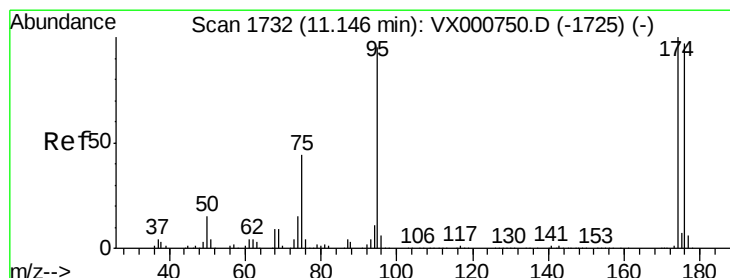
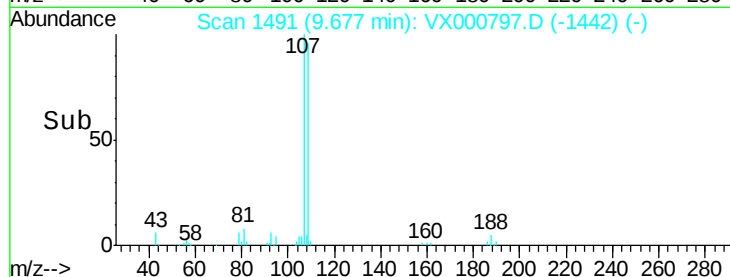
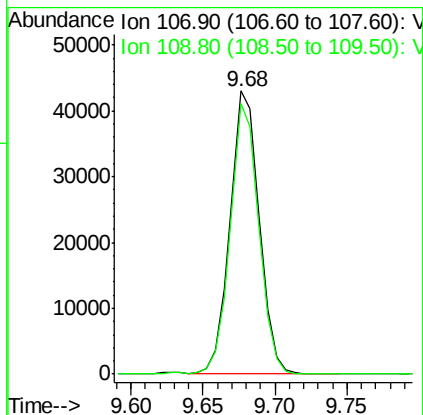
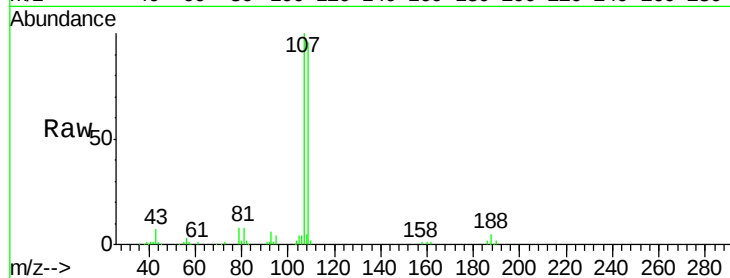
109 94.0 76.2 114.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.00 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

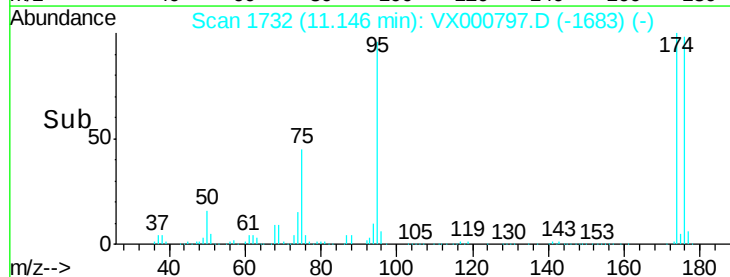
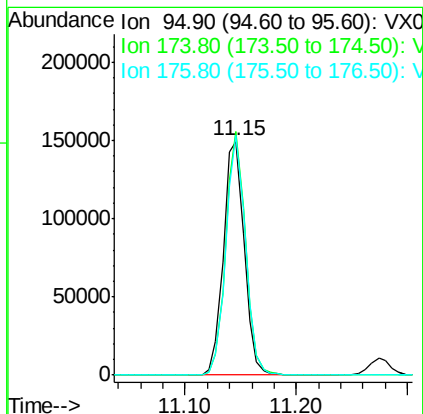
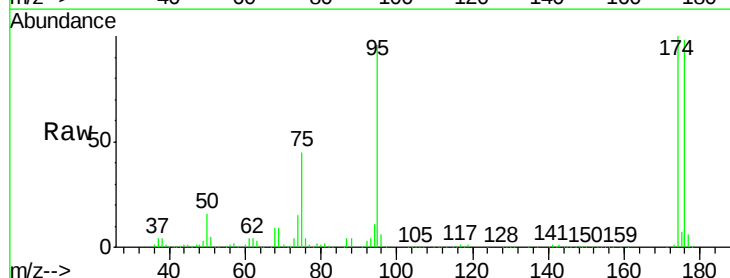
Tgt Ion: 95 Resp: 194216

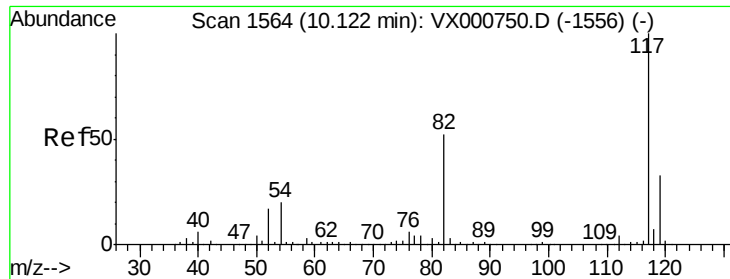
Ion Ratio Lower Upper

95 100

174 98.2 0.0 198.4

176 96.2 0.0 194.4





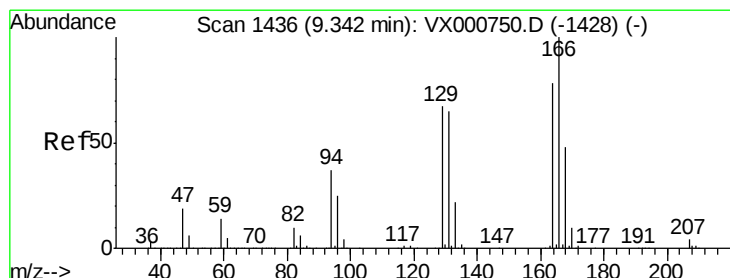
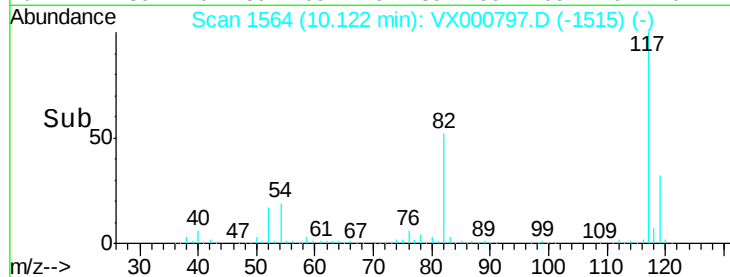
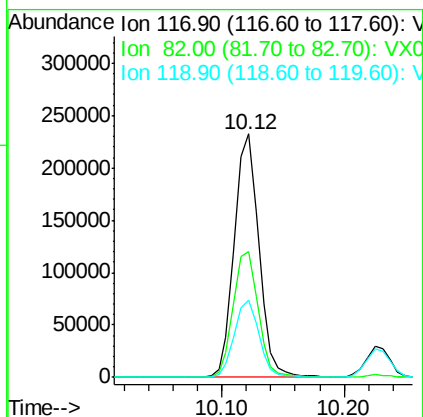
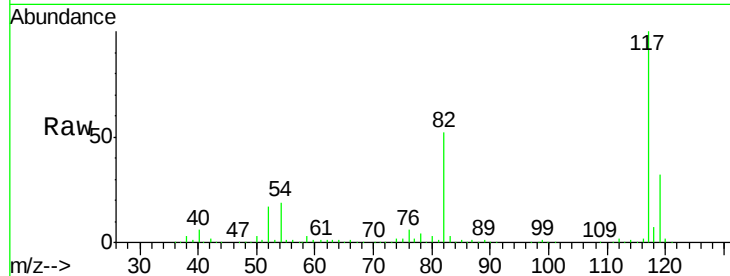
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.9	62.9
119	31.9	26.0	39.0

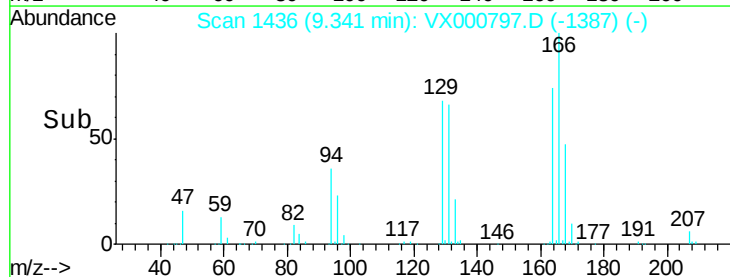
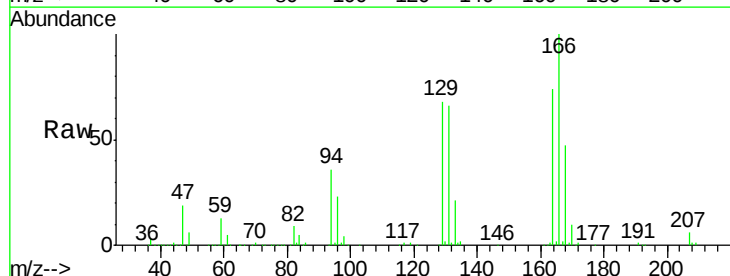
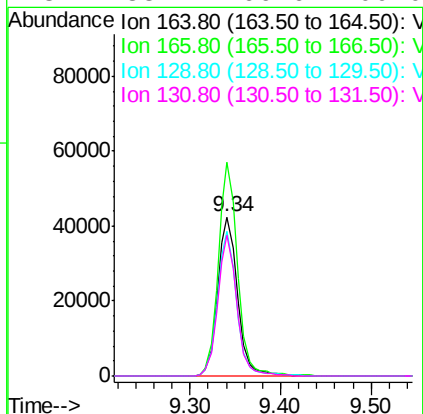
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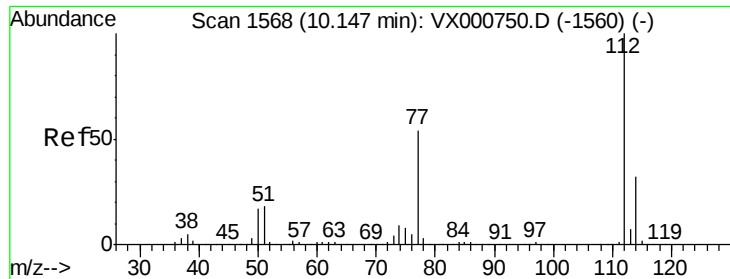
apatel
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#64
Tetrachloroethene
Concen: 20.56 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.4	102.8	154.2
129	90.9	68.5	102.7
131	88.4	66.6	100.0





#65

Chlorobenzene

Concen: 20.49 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0412WBSD01

Tot Ion:112 Resp: 166647

Ion Ratio Lower Upper

112 100

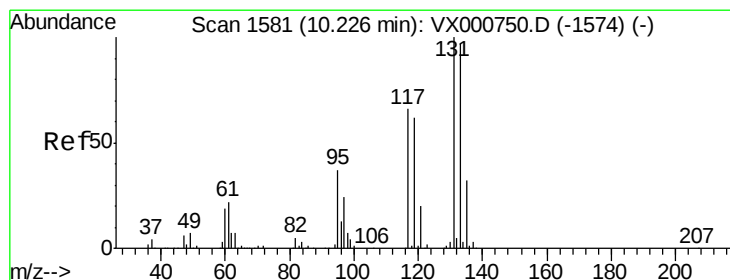
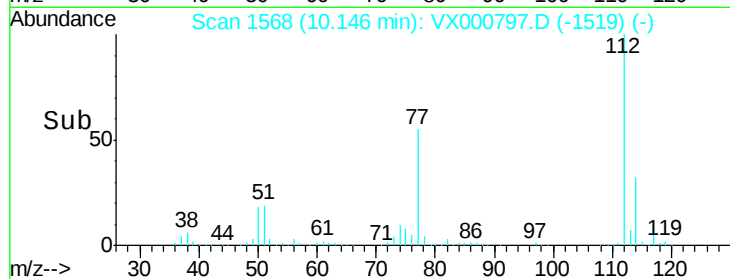
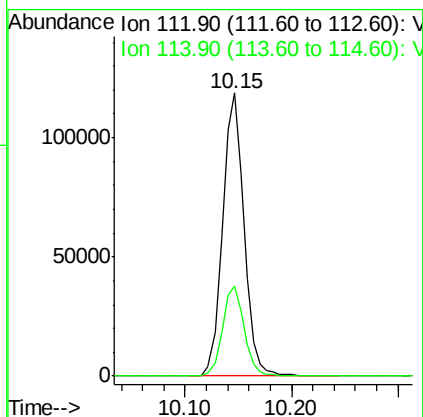
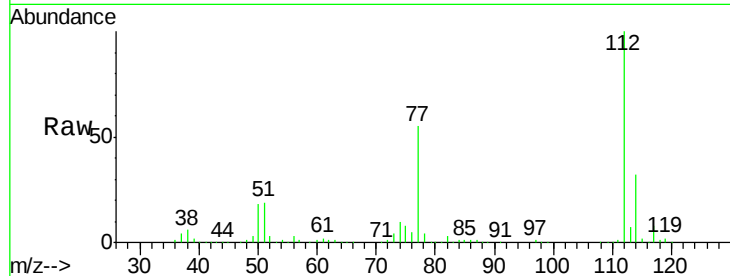
114 32.0 25.8 38.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.44 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

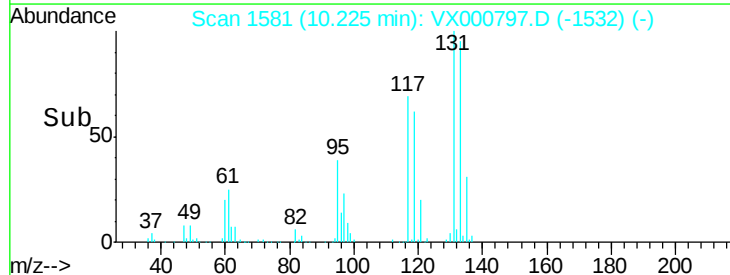
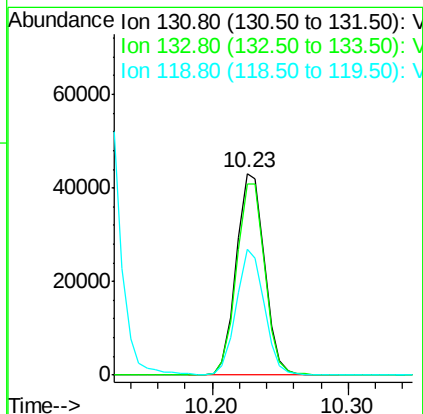
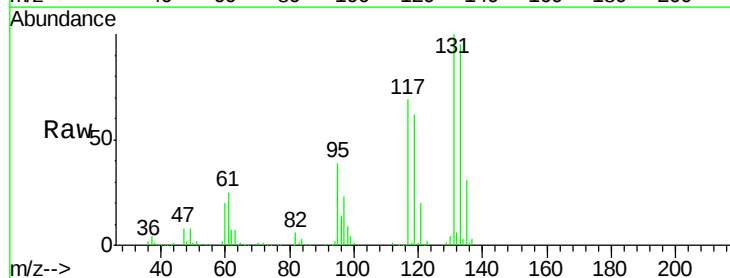
Tgt Ion:131 Resp: 62559

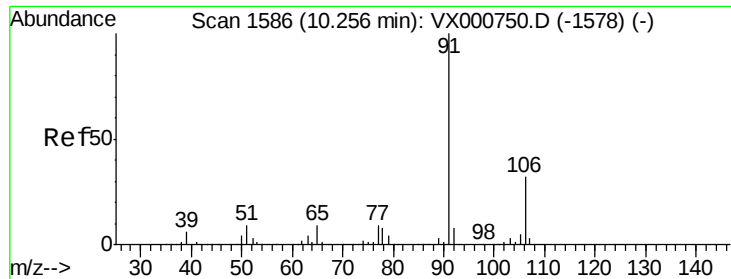
Ion Ratio Lower Upper

131 100

133 94.9 48.3 144.9

119 61.4 31.4 94.0





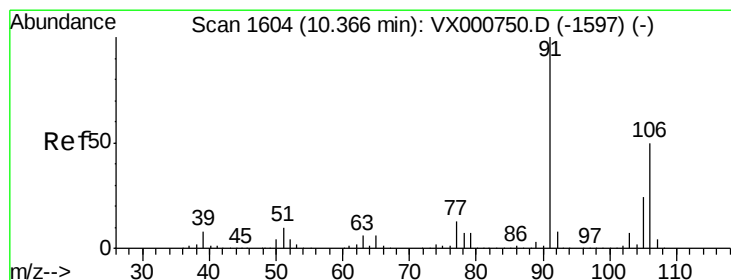
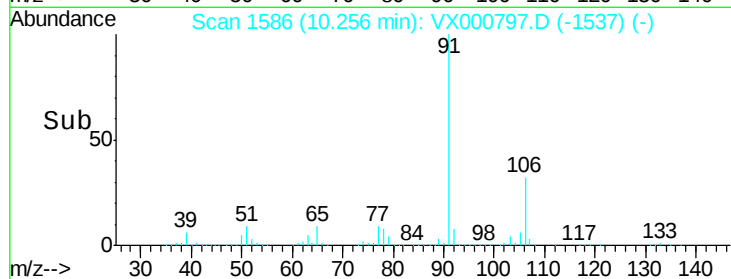
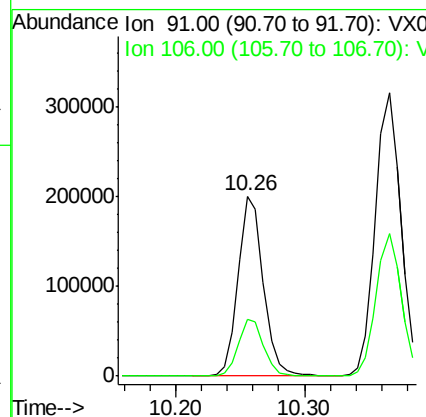
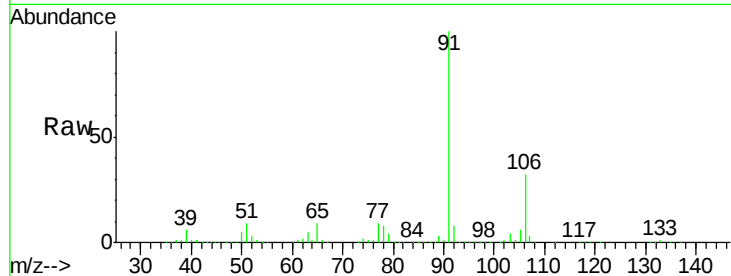
#67
Ethyl Benzene
Concen: 20.26 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampled :
VX0412WBSD01

Tot Ion: 91 Resp: 274735
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.0

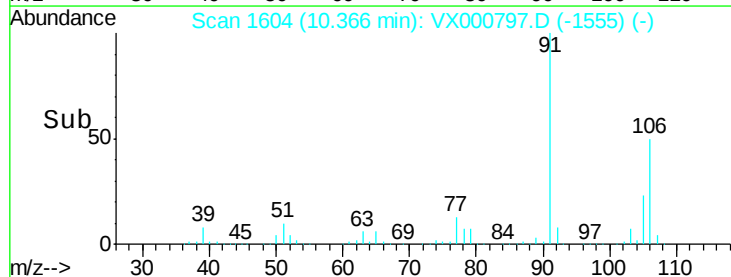
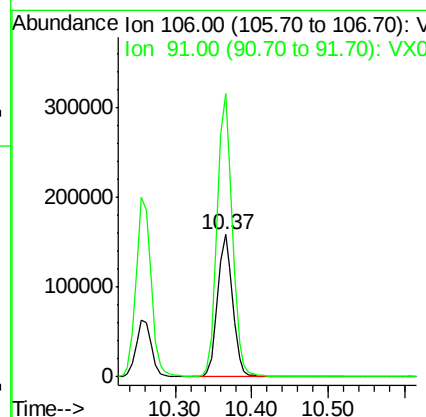
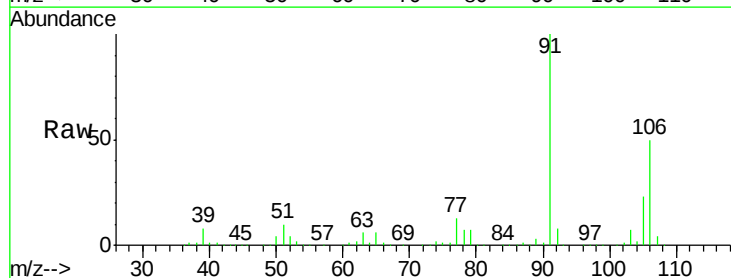
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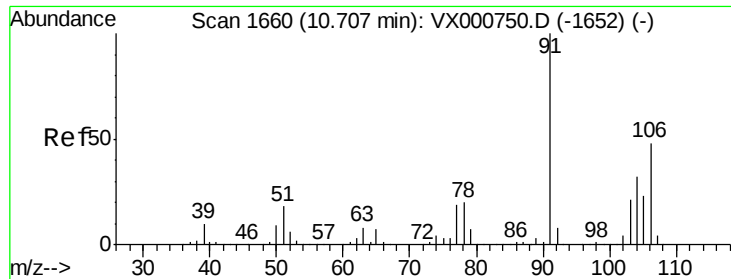
apatel
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#68
m/p-Xylenes
Concen: 40.68 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion: 106 Resp: 217705
Ion Ratio Lower Upper
106 100
91 200.6 159.3 238.9





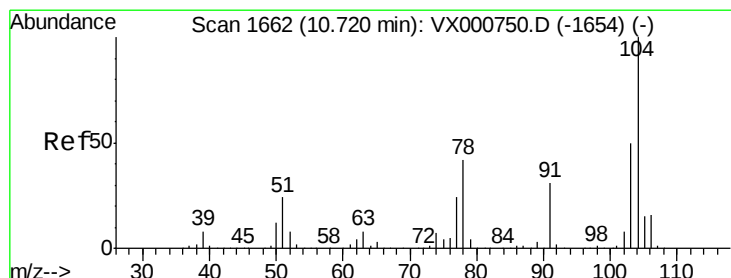
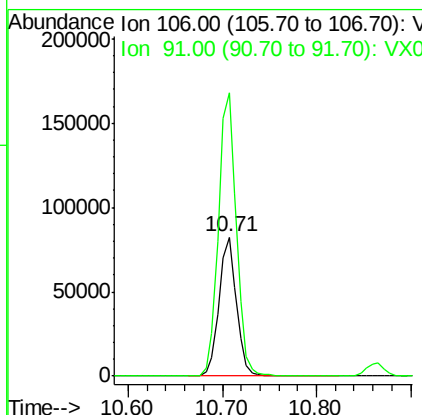
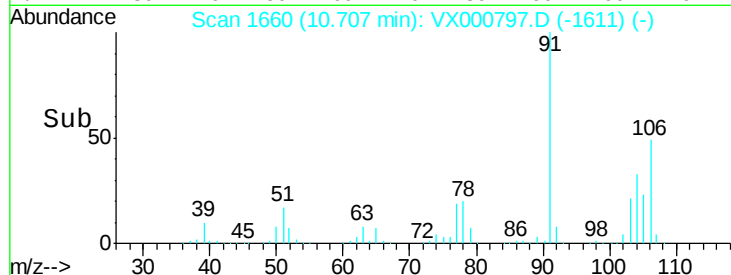
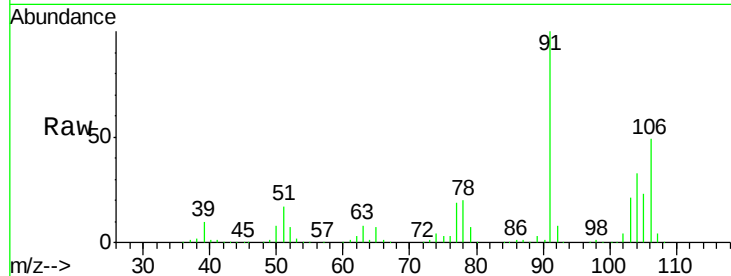
#69
o-Xylene
Concen: 20.54 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion:106 Resp: 105936
Ion Ratio Lower Upper
106 100
91 209.5 105.0 315.0

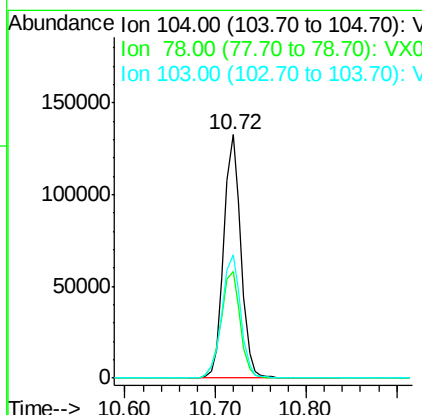
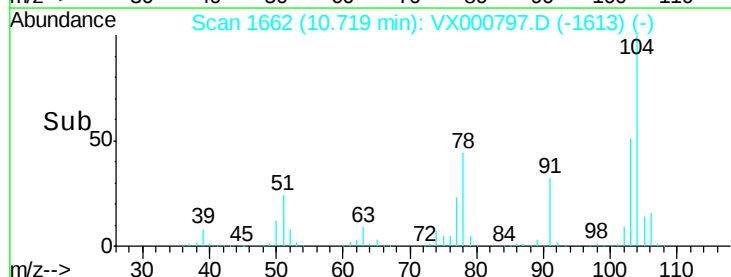
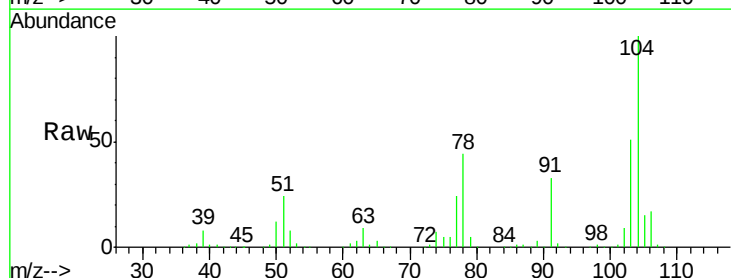
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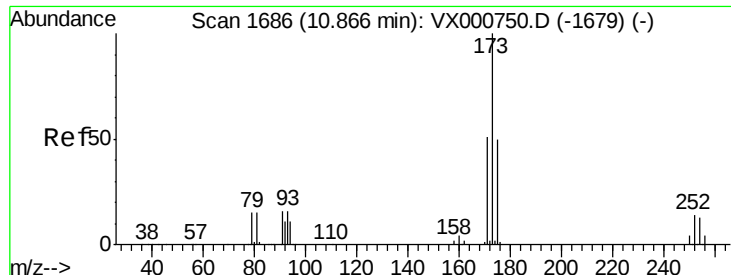
apatel
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#70
Styrene
Concen: 20.18 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion:104 Resp: 175458
Ion Ratio Lower Upper
104 100
78 49.2 39.0 58.6
103 55.6 44.1 66.1





#71

Bromoform

Concen: 19.70 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion:173 Resp: 55840

Ion Ratio Lower Upper

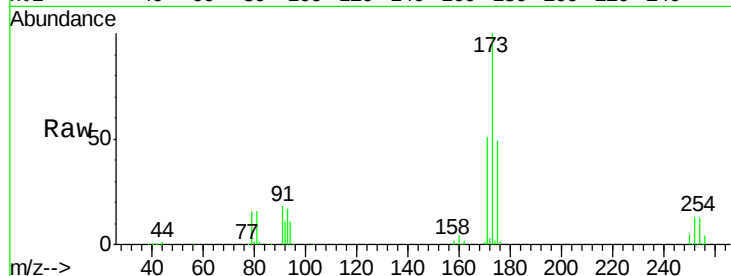
173 100

175 49.2 24.5 73.5

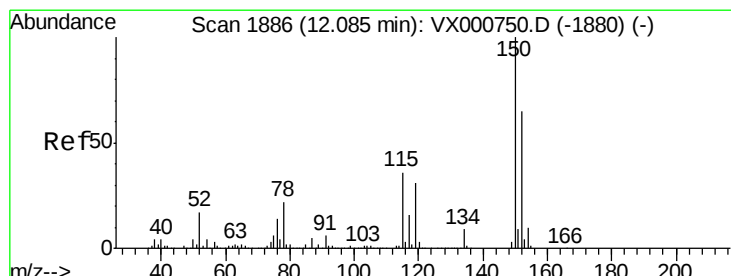
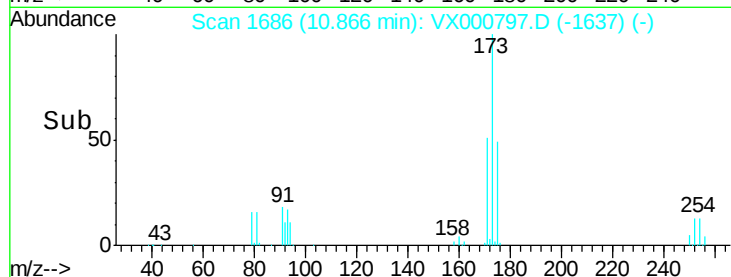
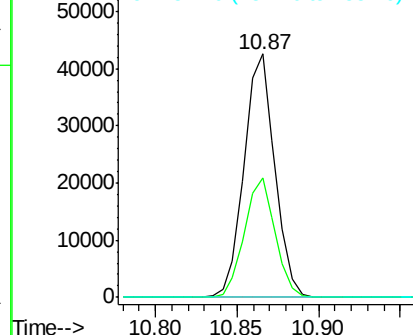
254 0.1 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

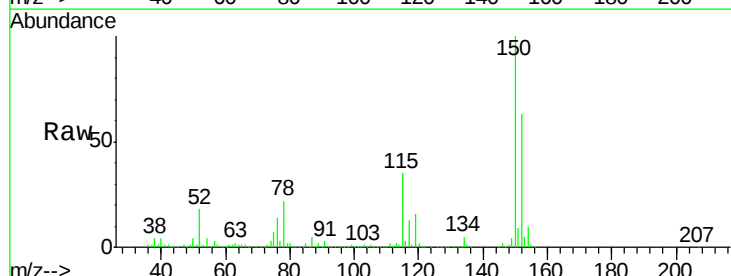
Tgt Ion:152 Resp: 219966

Ion Ratio Lower Upper

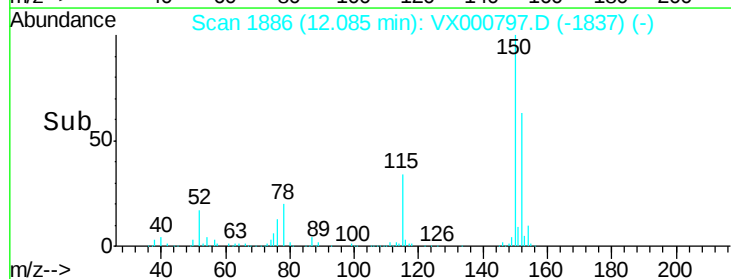
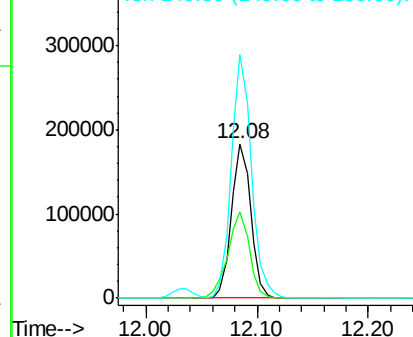
152 100

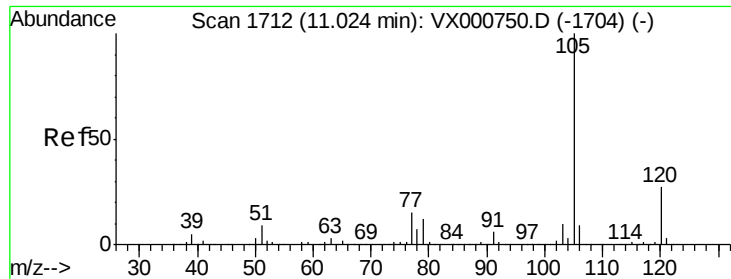
115 62.6 37.9 113.7

150 164.4 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.63 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion:105 Resp: 287821

Ion Ratio Lower Upper

105 100

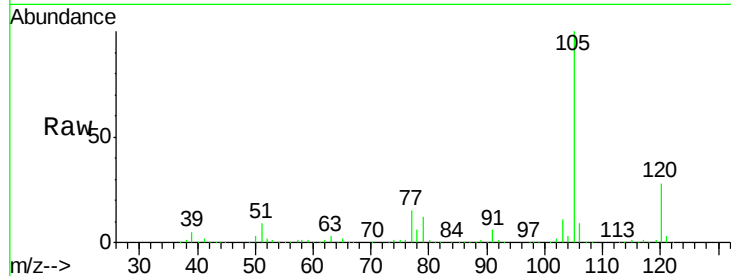
120 27.5 13.7 41.0

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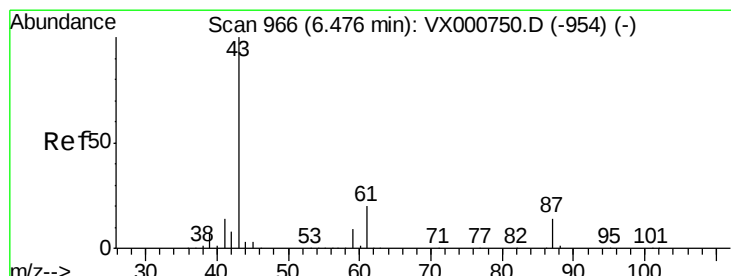
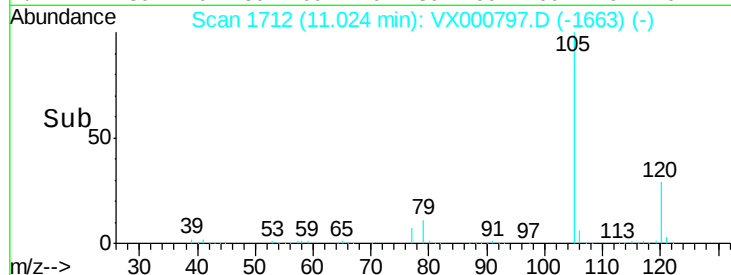
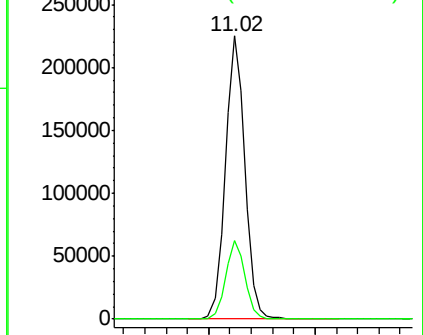
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.99 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion: 43 Resp: 131893

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

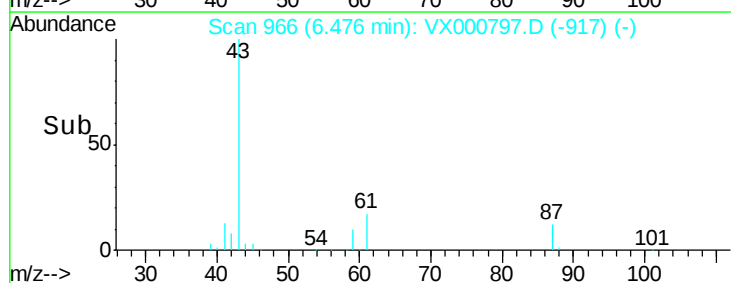
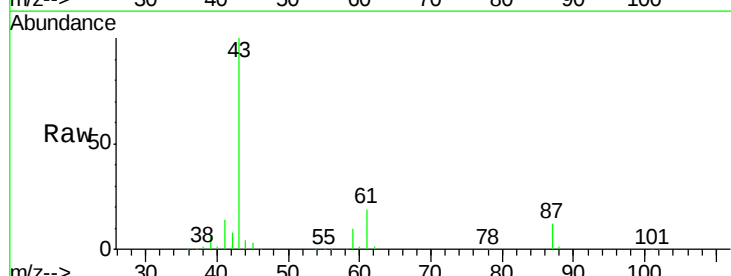
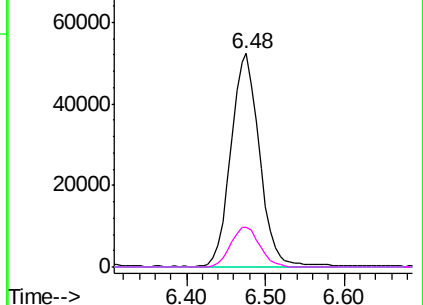
61 19.0 15.6 23.4

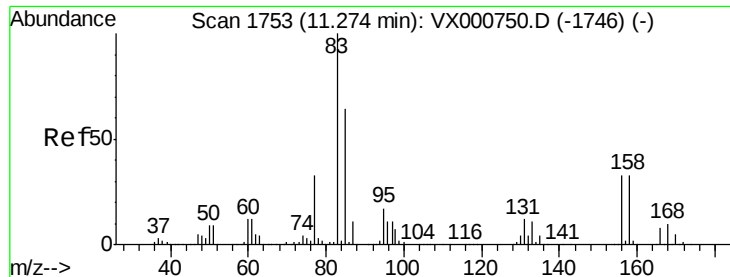
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.90 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion: 83 Resp: 84635

Ion Ratio Lower Upper

83 100

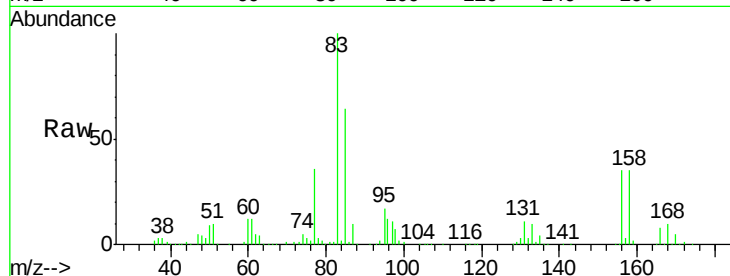
131 11.6 6.0 18.0

85 64.0 32.3 96.8

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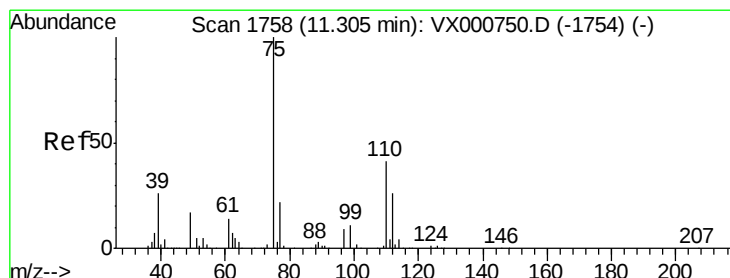
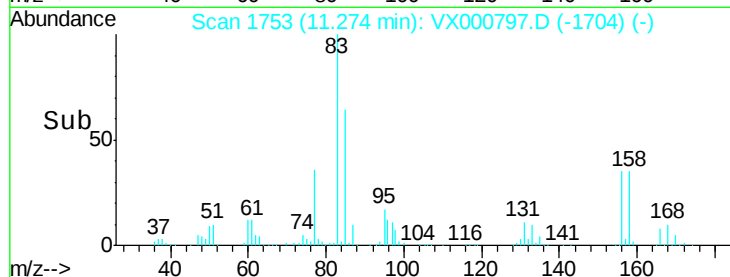
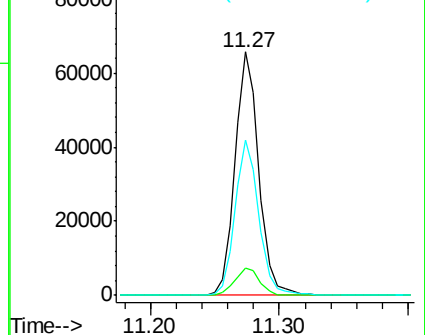
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.97 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000797.D

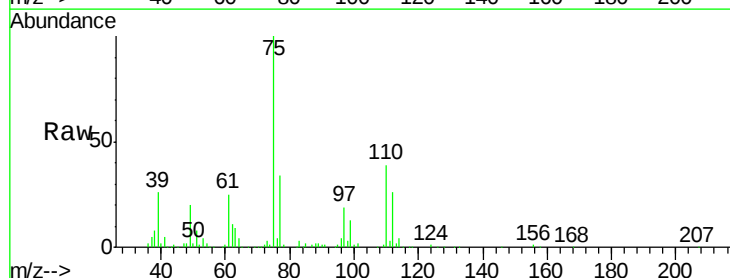
Acq: 12 Apr 2018 13:07

Tgt Ion: 75 Resp: 79533

Ion Ratio Lower Upper

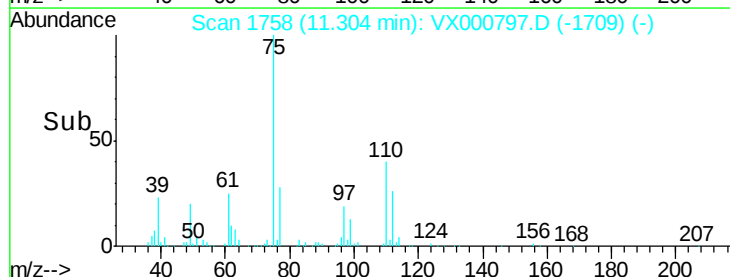
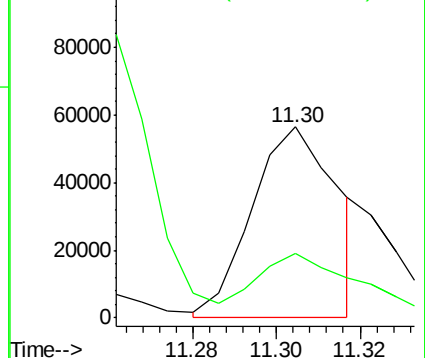
75 100

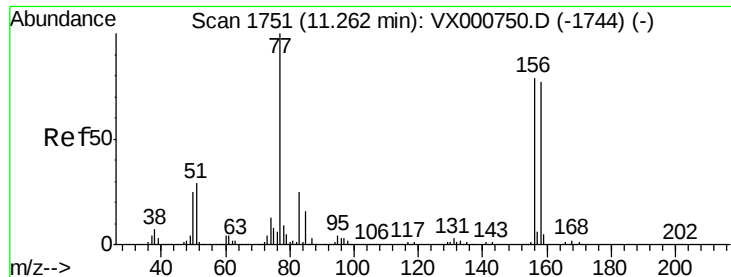
77 40.4 20.5 61.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.28 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion:156 Resp: 82938

Ion Ratio Lower Upper

156 100

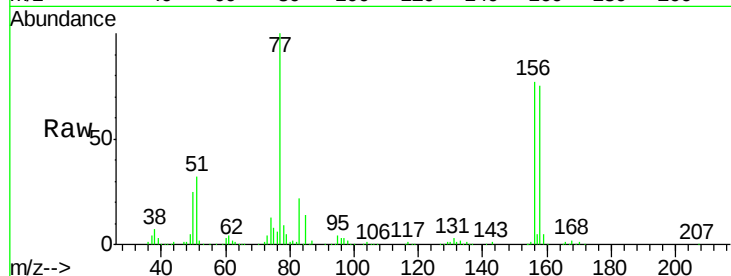
77 133.2 66.0 198.2

158 96.9 48.8 146.4

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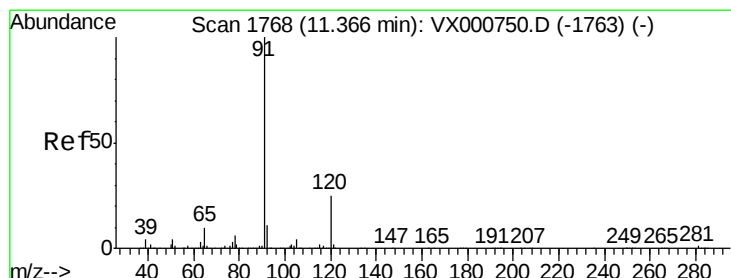
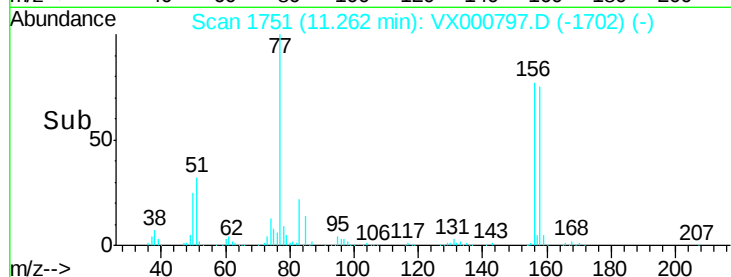
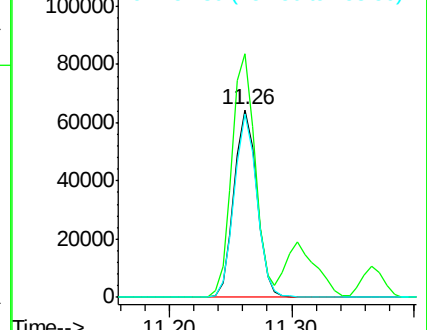
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.45 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000797.D

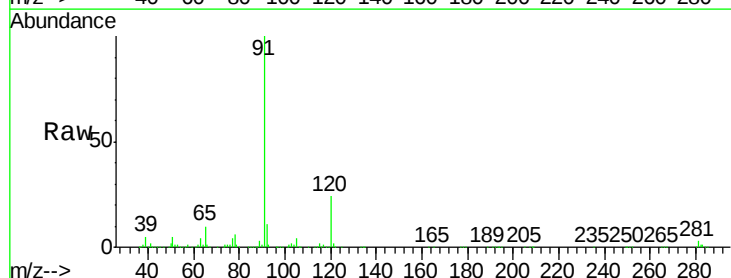
Acq: 12 Apr 2018 13:07

Tgt Ion: 91 Resp: 326412

Ion Ratio Lower Upper

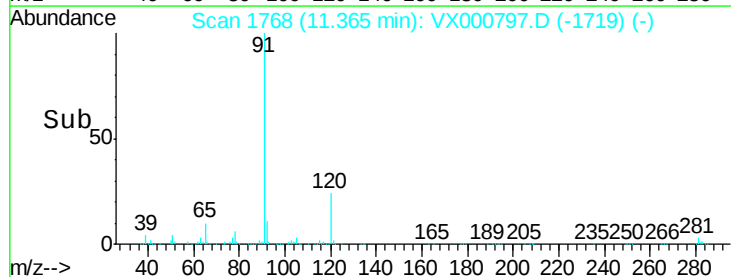
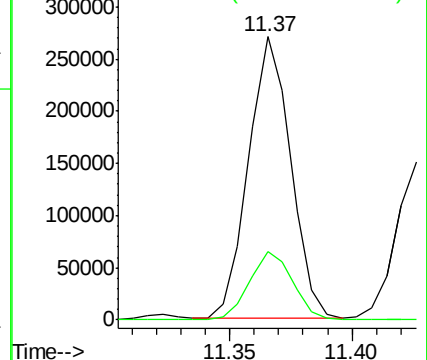
91 100

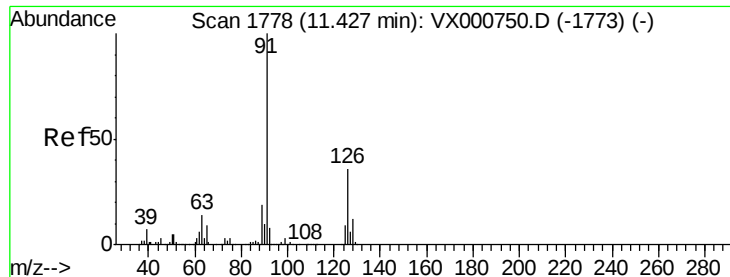
120 24.8 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.34 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD01

Tot Ion: 91 Resp: 191894

Ion Ratio Lower Upper

91 100

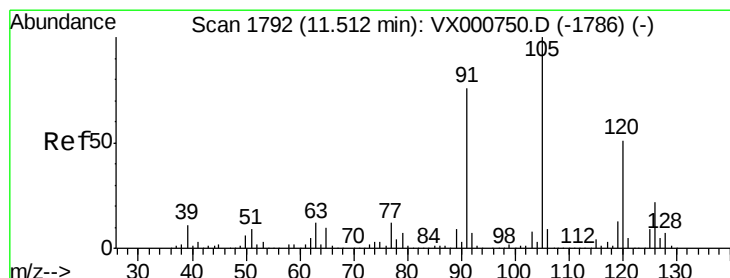
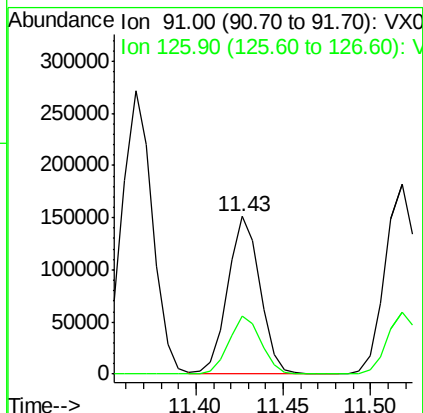
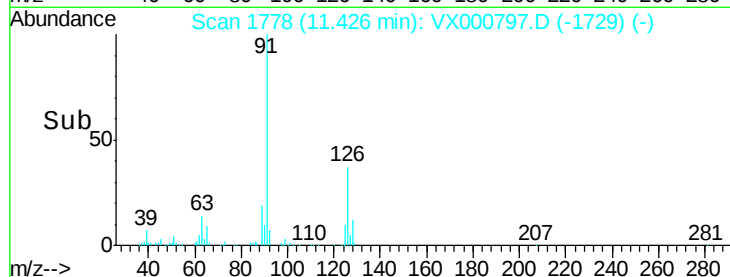
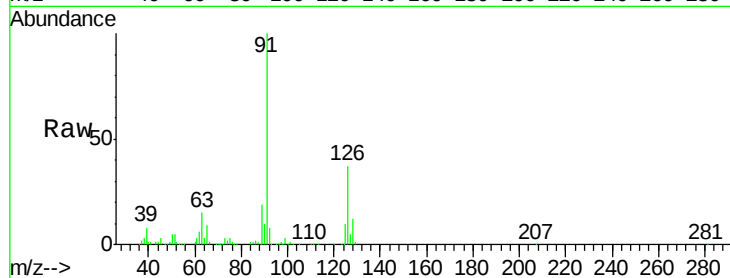
126 37.1 18.3 54.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.39 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000797.D

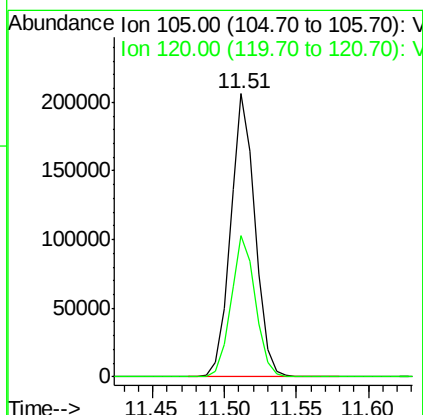
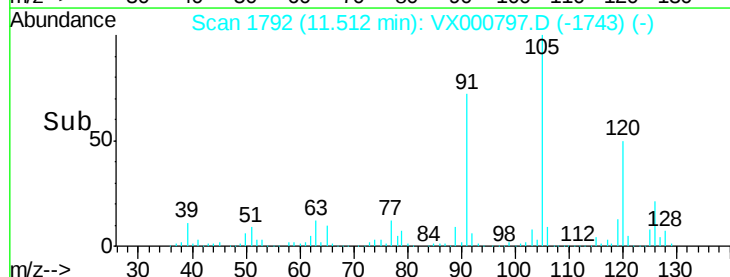
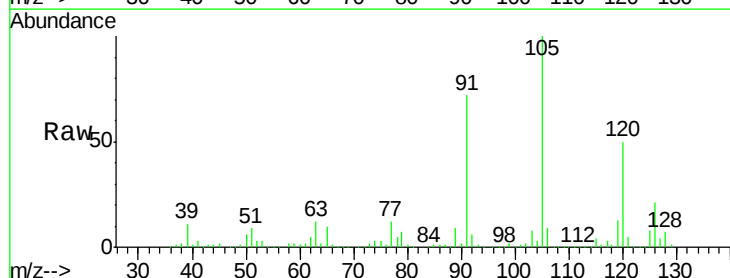
Acq: 12 Apr 2018 13:07

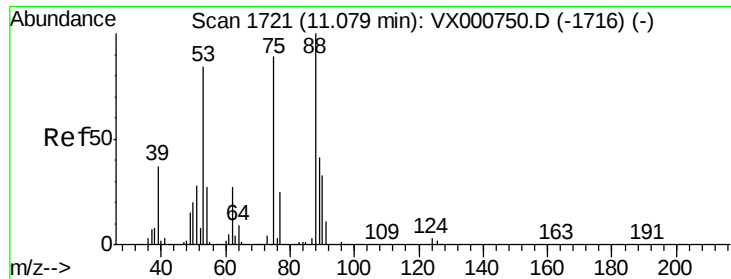
Tgt Ion: 105 Resp: 244724

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.22 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

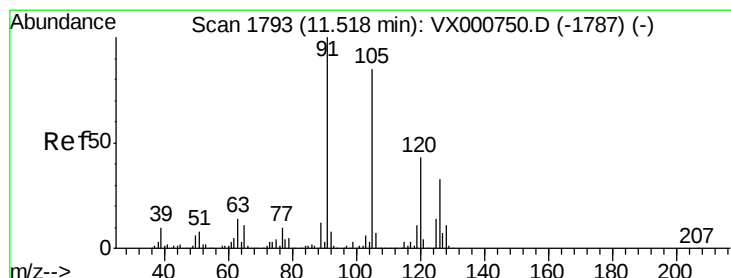
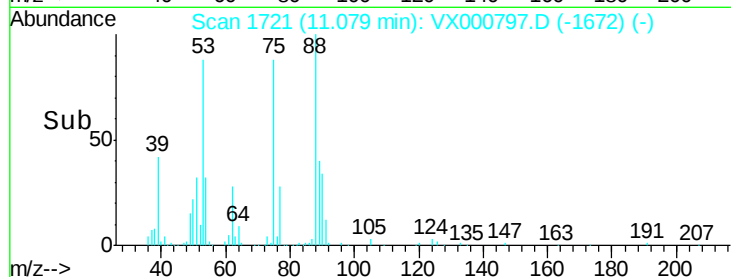
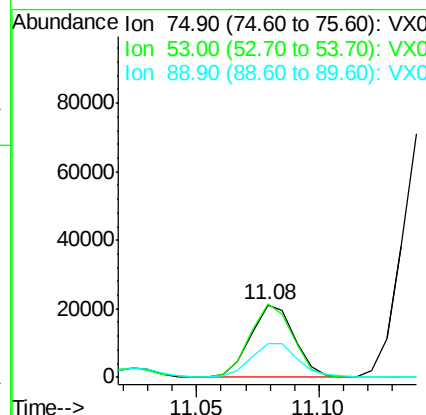
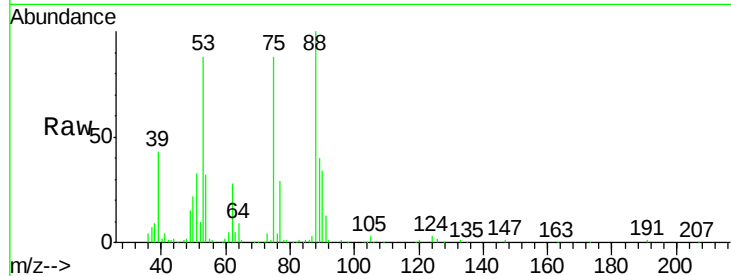
ClientSampleId :

VX0412WBSD01

Tot Ion:	75	Resp:	26512
Ion Ratio	Lower	Upper	
75	100		
53	100.0	75.4	113.0
89	50.1	40.9	61.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.26 ug/l

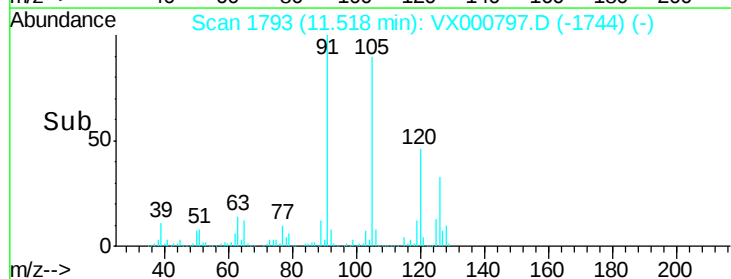
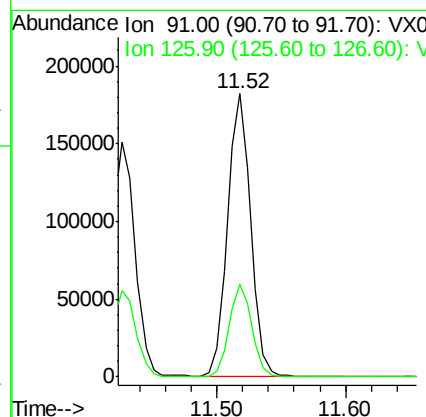
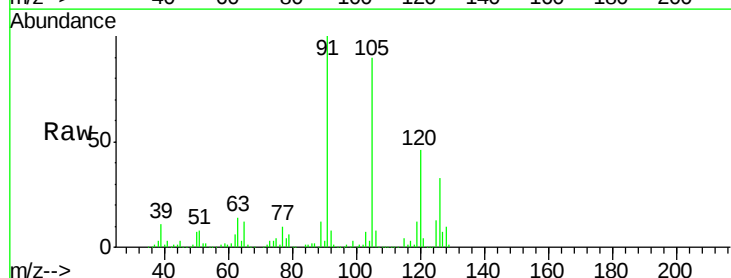
RT: 11.52 min Scan# 1793

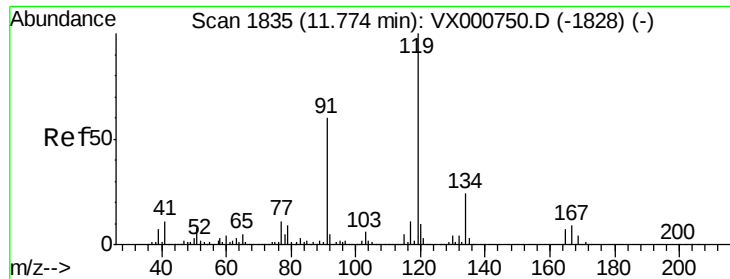
Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion:	91	Resp:	230672
Ion Ratio	Lower	Upper	
91	100		
126	32.1	16.2	48.6





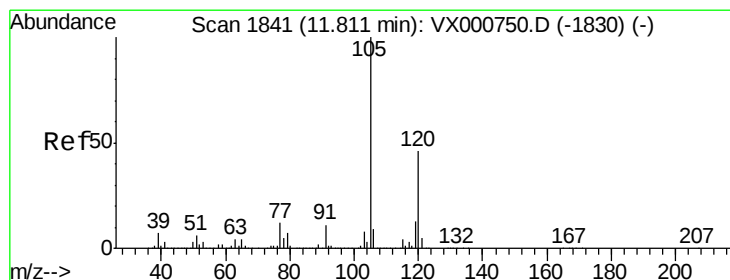
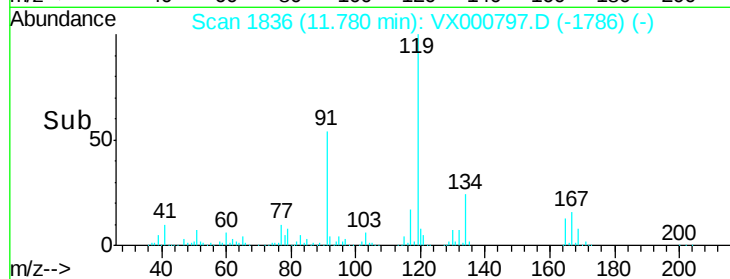
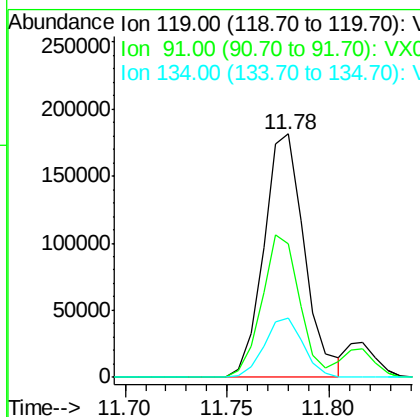
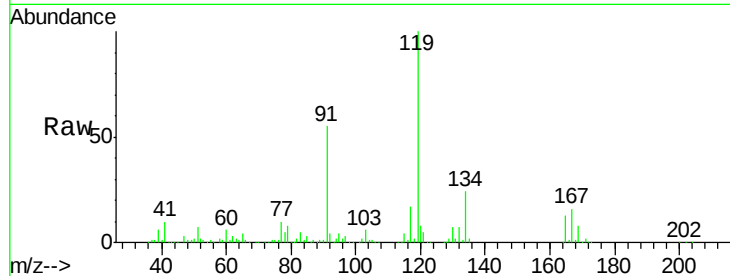
#83
 tert-Butylbenzene
 Concen: 20.51 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	251873		
91	54.3	26.8	80.3	
134	23.2	11.5	34.4	

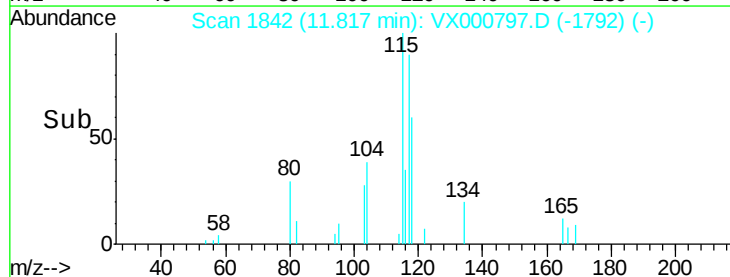
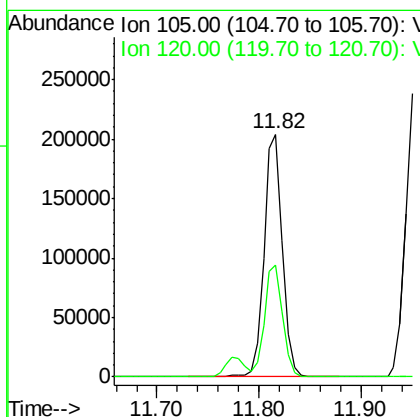
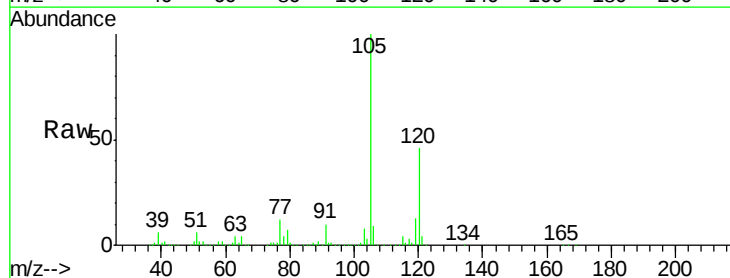
Manual Integrations
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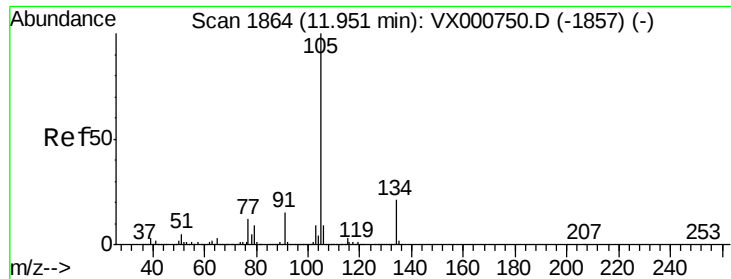
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.51 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	254094		
120	45.9	23.1	69.3	





#85

sec-Butylbenzene

Concen: 20.53 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

ClientSampled :

VX0412WBSD01

Tot Ion:105 Resp: 297380

Ion Ratio Lower Upper

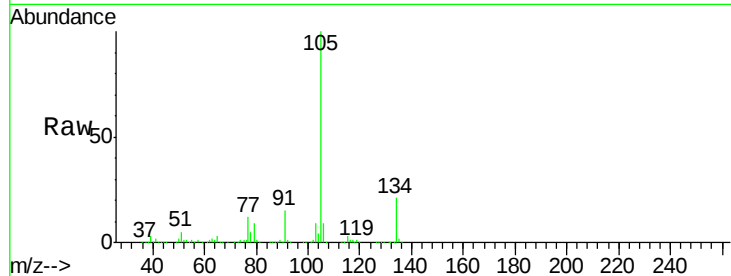
105 100

134 21.3 10.8 32.4

Manual Integrations
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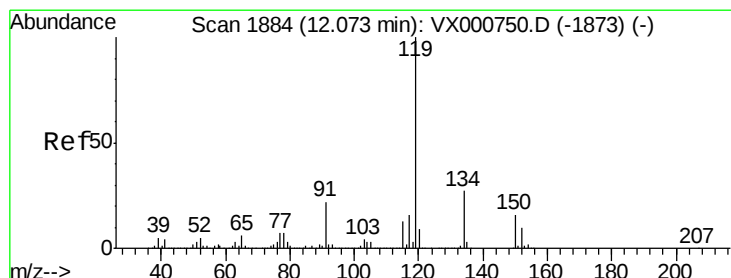
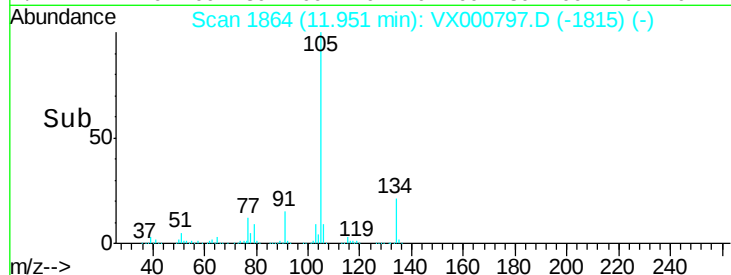
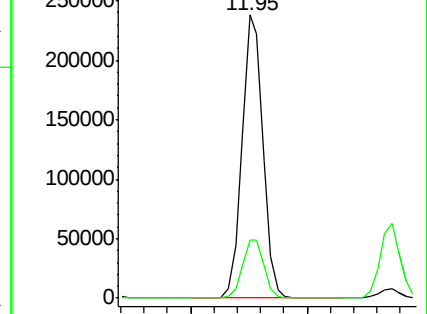
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.60 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

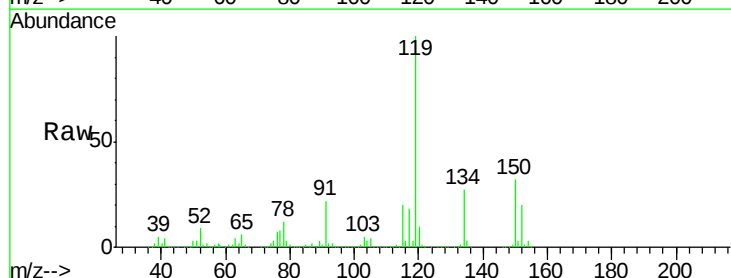
Tgt Ion:119 Resp: 278234

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

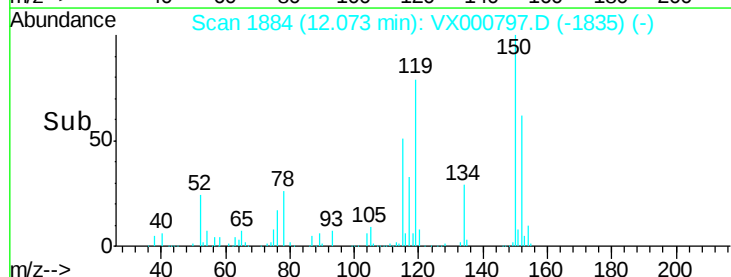
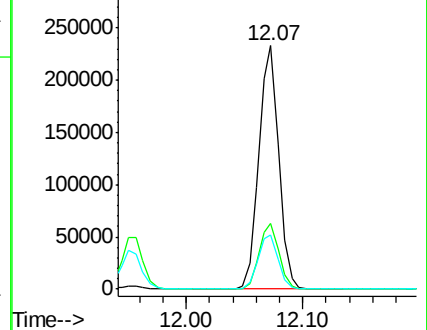
91 22.6 11.2 33.5

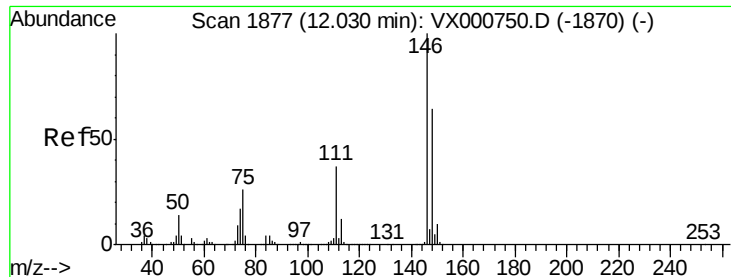


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.33 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

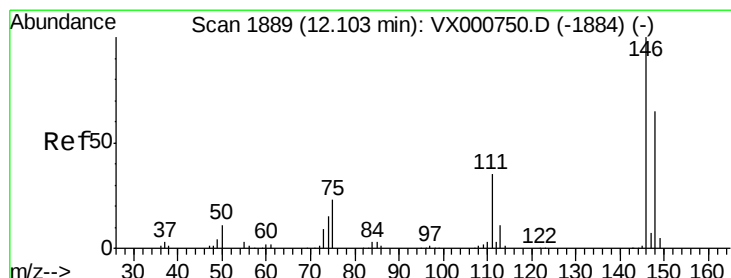
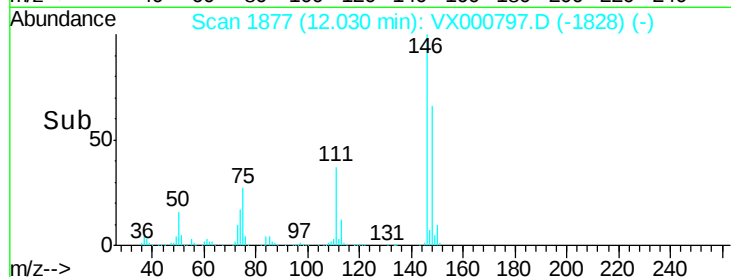
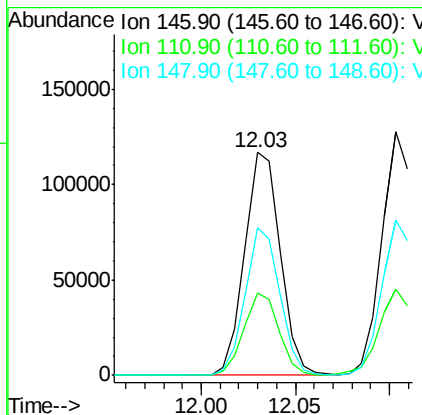
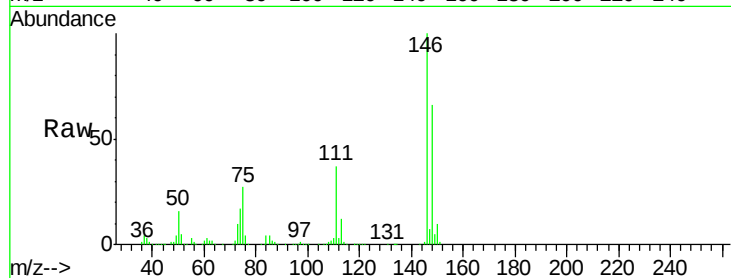
ClientSampleId :

VX0412WBSD01

Tot Ion:	146	Resp:	153907
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.3	54.8
148	64.2	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.07 ug/l

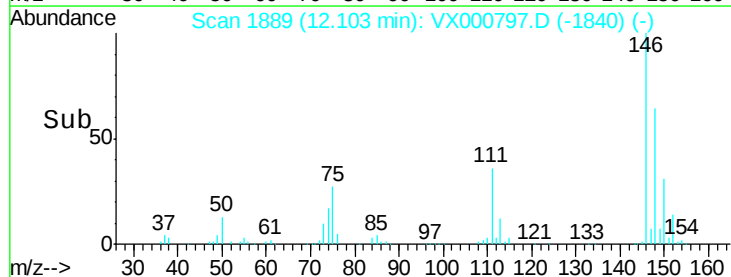
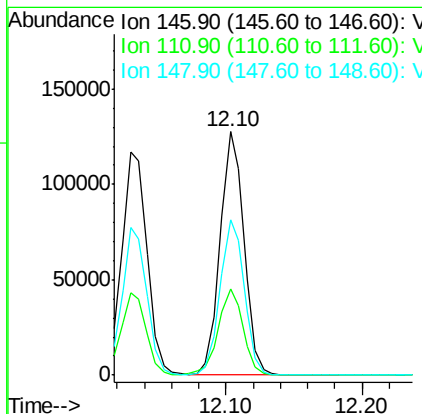
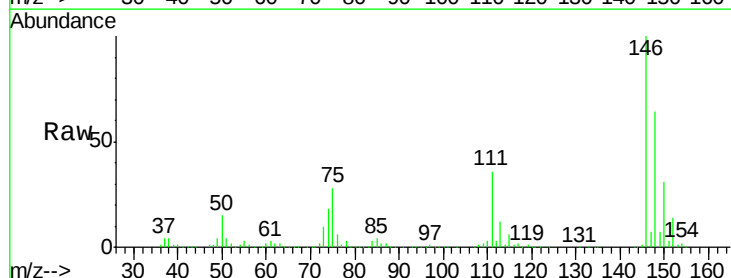
RT: 12.10 min Scan# 1889

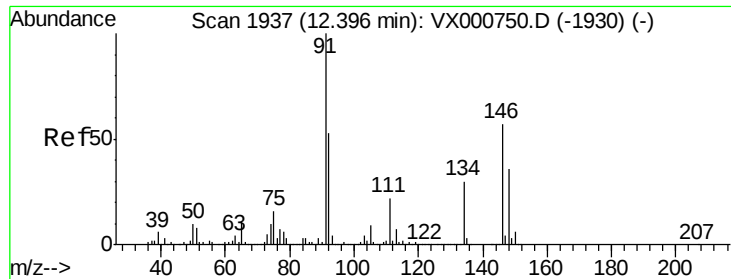
Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion:	146	Resp:	155654
Ion Ratio	Lower	Upper	
146	100		
111	36.7	17.9	53.8
148	65.0	32.6	97.7





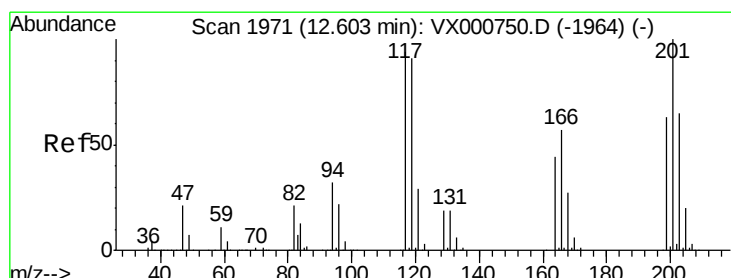
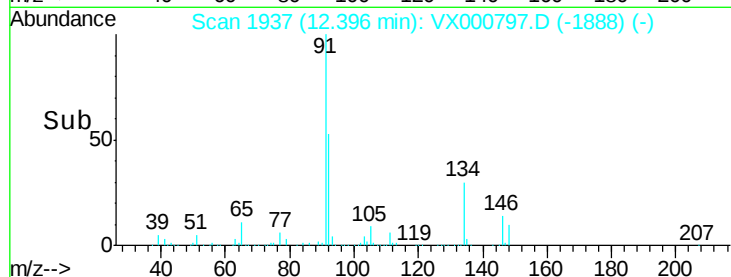
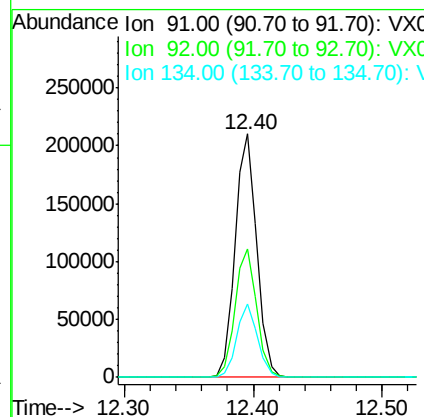
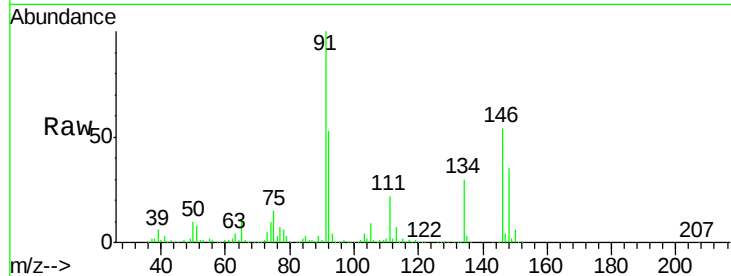
#89
n-Butylbenzene
Concen: 20.70 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	246771		
92	52.8		26.5	79.5
134	28.9		14.5	43.5

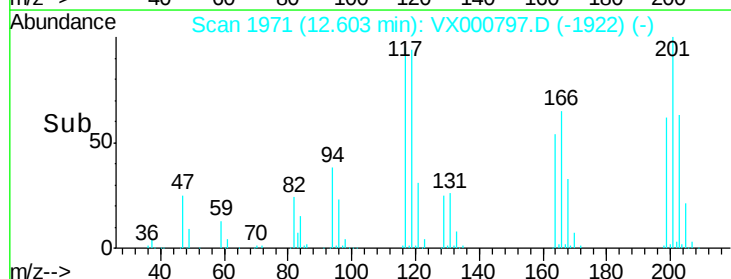
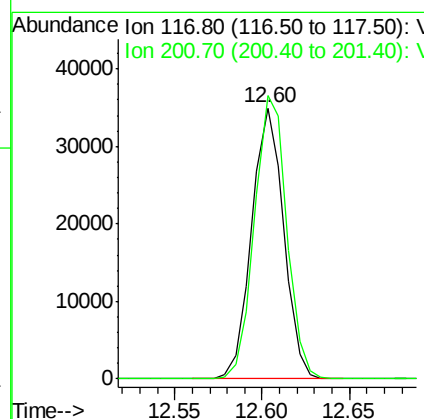
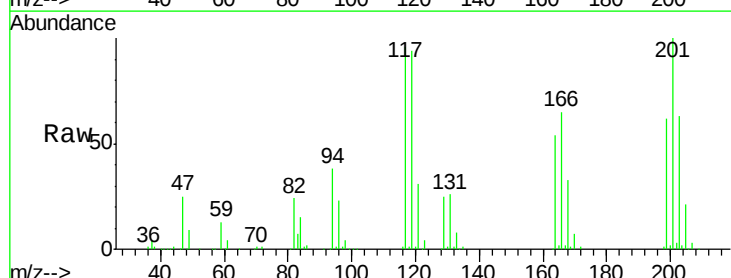
Manual Integrations
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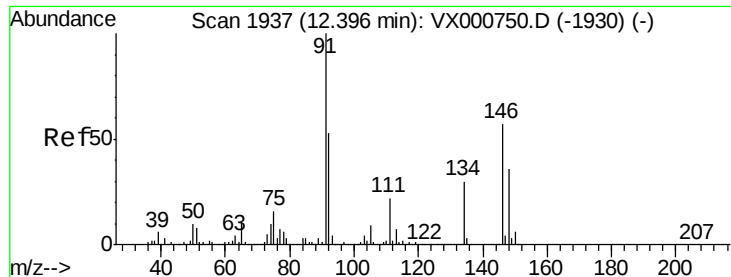
apatel
4/13/2018 2:57:56 PM



#90
Hexachloroethane
Concen: 19.42 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000797.D
Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44386		
201	105.4		52.9	158.7





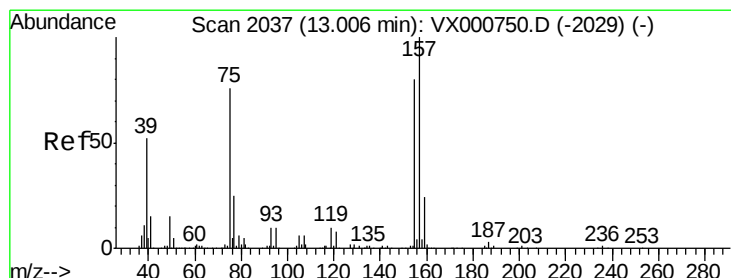
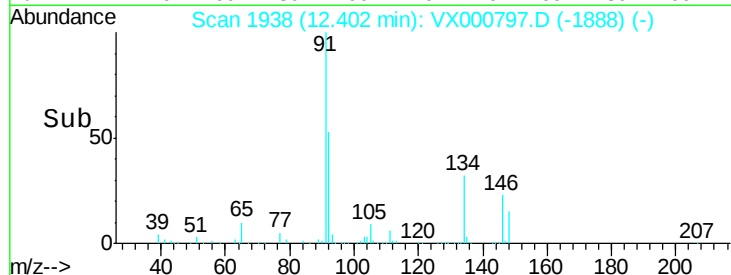
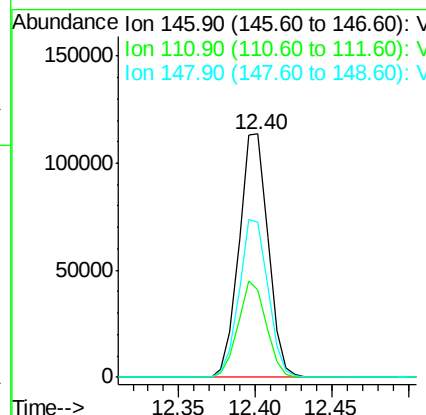
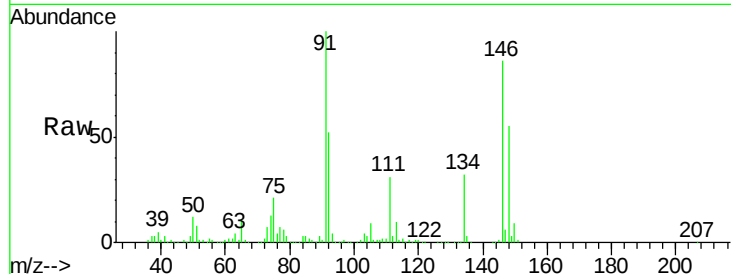
#91
 1,2-Dichlorobenzene
 Concen: 20.55 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.01 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.7
148	64.5	32.0	96.2

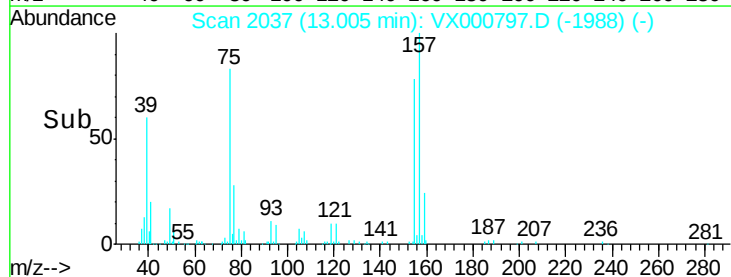
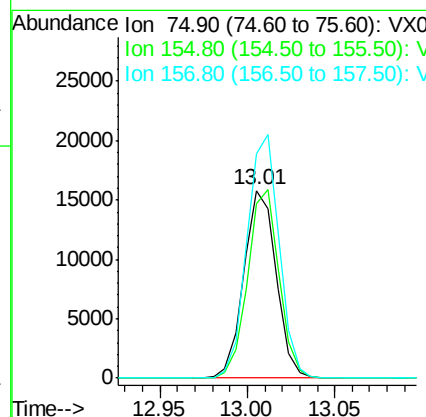
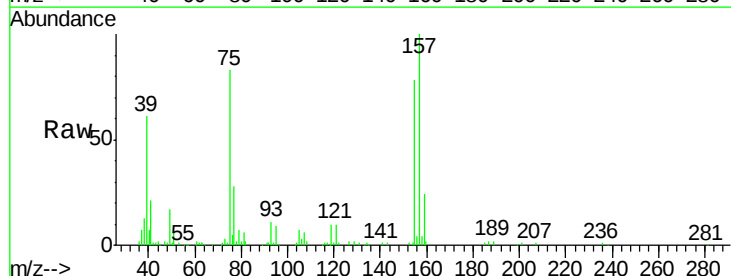
Manual Integrations
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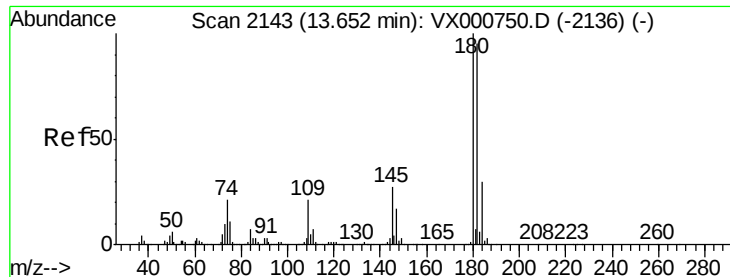
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.99 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	51.9	155.8
157	128.7	66.6	199.8





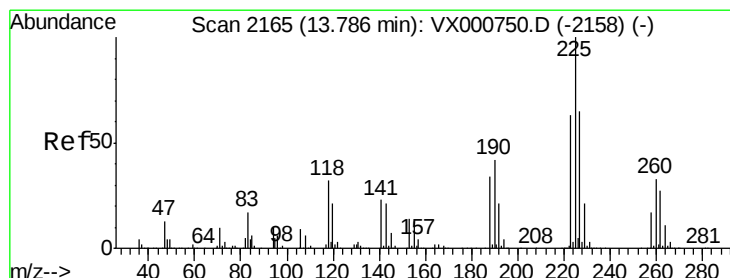
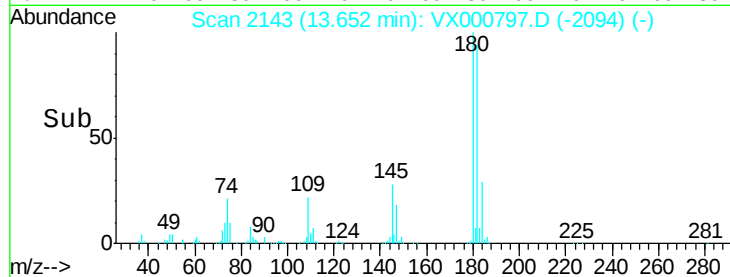
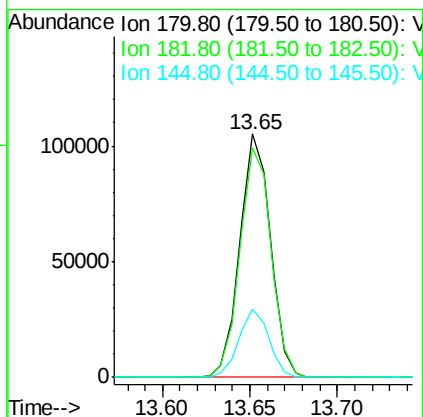
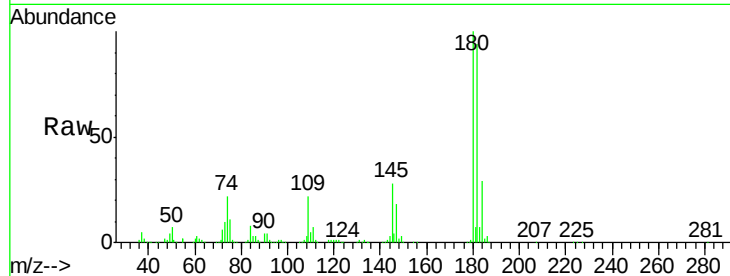
#93
 1,2,4-Trichlorobenzene
 Concen: 20.55 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128115		
182	96.1	47.5	142.5	
145	27.7	13.8	41.4	

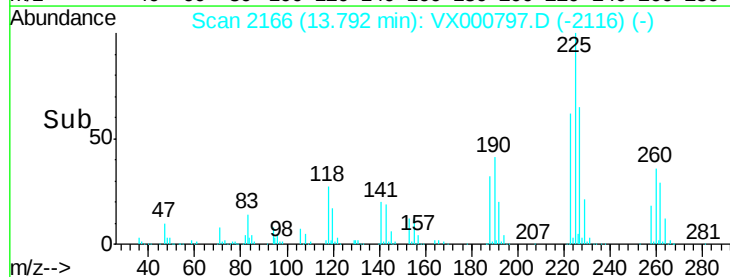
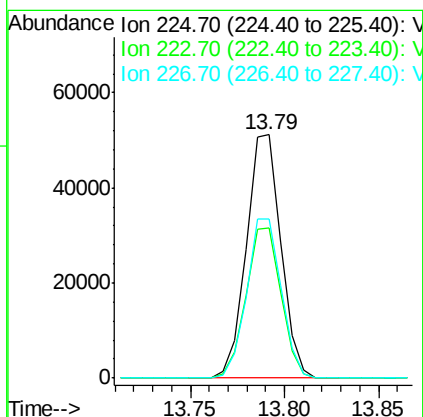
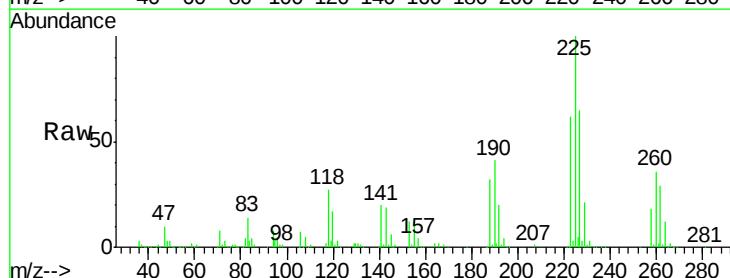
Manual Integrations
 APPROVED

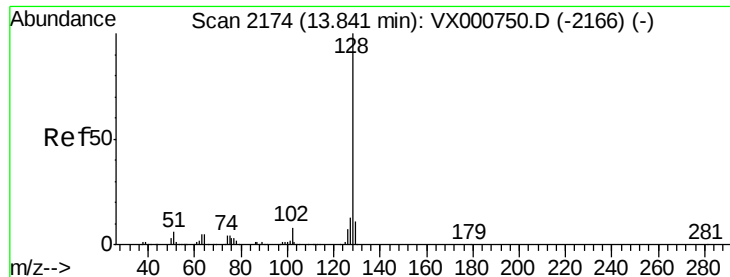
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#94
 Hexachlorobutadiene
 Concen: 21.19 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX000797.D
 Acq: 12 Apr 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64962		
223	62.8	31.2	93.6	
227	65.4	32.3	96.9	





#95

Naphthalene

Concen: 20.83 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Instrument :

MSVOA_X

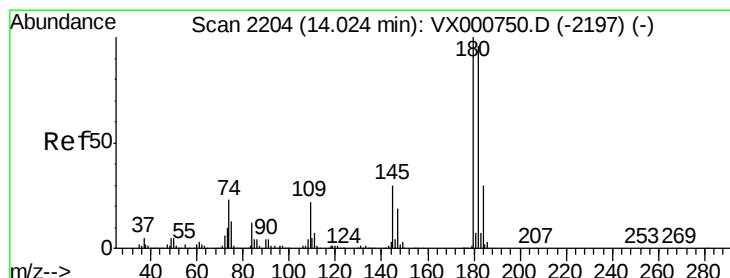
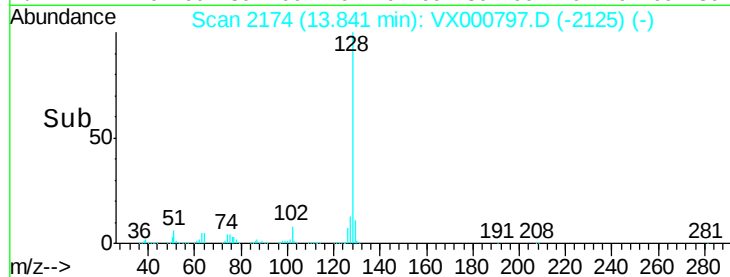
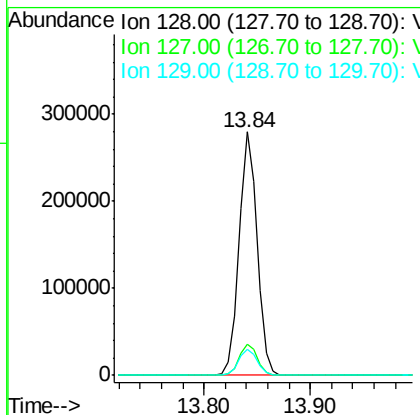
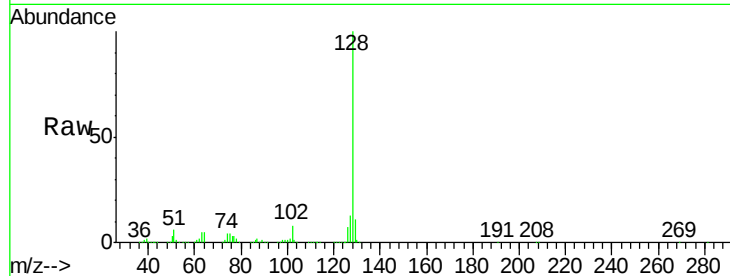
ClientSampleId :

VX0412WBSD01

Tot Ion:	128	Resp:	333434
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.66 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000797.D

Acq: 12 Apr 2018 13:07

Tgt Ion:	180	Resp:	125104
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.4	145.2
145	29.4	14.6	43.8

