

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000997.D
 Acq On : 19 Apr 2018 18:54
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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 4/20/2018 2:09:31 PM

Quant Time: Apr 20 04:53:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 04:18:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	289847	92.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.48%	
35) Dibromofluoromethane	5.51	113	249041	107.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.54%	
50) Toluene-d8	8.73	98	893559	107.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.42%	
62) 4-Bromofluorobenzene	11.15	95	371066	107.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	331779	140.76	ug/l	99
3) Chloromethane	1.32	50	273806	112.88	ug/l	99
4) Vinyl Chloride	1.40	62	297129	125.78	ug/l	99
5) Bromomethane	1.64	94	140664	90.49	ug/l	98
6) Chloroethane	1.72	64	168012	101.19	ug/l	98
7) Trichlorofluoromethane	1.93	101	432543	121.00	ug/l	100
8) Diethyl Ether	2.19	74	157483	115.10	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	249832	116.84	ug/l	100
10) Methyl Iodide	2.51	142	282709	146.55	ug/l	98
11) Tert butyl alcohol	3.08	59	231092	568.60	ug/l	100
12) 1,1-Dichloroethene	2.37	96	235135	115.28	ug/l	99
13) Acrolein	2.30	56	76708	927.53	ug/l	100
14) Allyl chloride	2.73	41	431582	113.58	ug/l	99
15) Acrylonitrile	3.15	53	609410	567.23	ug/l	100
16) Acetone	2.45	43	542619	533.89	ug/l	97
17) Carbon Disulfide	2.57	76	690248	108.76	ug/l	100
18) Methyl Acetate	2.78	43	368626	140.02	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	787054	118.44	ug/l	100
20) Methylene Chloride	2.86	84	251508	105.42	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	256534	111.25	ug/l	99
22) Diisopropyl ether	3.88	45	854714	117.62	ug/l	98
23) Vinyl Acetate	3.83	43	3480940	586.99	ug/l	100
24) 1,1-Dichloroethane	3.70	63	456879	116.61	ug/l	99
25) 2-Butanone	4.71	43	888554	568.00	ug/l	100
26) 2,2-Dichloropropane	4.59	77	409458	119.11	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	295200	118.31	ug/l	98
28) Bromochloromethane	5.03	49	192123	116.96	ug/l	100
29) Tetrahydrofuran	5.17	42	566077	567.77	ug/l	100
30) Chloroform	5.23	83	482467	119.55	ug/l	100
31) Cyclohexane	5.59	56	427158	120.48	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	446107	124.16	ug/l	99
36) 1,1-Dichloropropene	5.81	75	372011	117.88	ug/l	99
37) Ethyl Acetate	4.87	43	351869	119.67	ug/l	100
38) Carbon Tetrachloride	5.79	117	403400	122.79	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	444864	117.95	ug/l	100
40) Benzene	6.15	78	1062903	120.74	ug/l	99
41) Methacrylonitrile	5.07	41	209743	113.90	ug/l	99
42) 1,2-Dichloroethane	6.21	62	396767	116.05	ug/l	100
43) Isopropyl Acetate	6.47	43	610988	122.85	ug/l	100
44) Trichloroethene	7.22	130	324075	116.82	ug/l	98
45) 1,2-Dichloropropane	7.52	63	271997	118.87	ug/l	100
46) Dibromomethane	7.67	93	187297	118.71	ug/l	99
47) Bromodichloromethane	7.91	83	372562	127.50	ug/l	99
48) Methyl methacrylate	7.79	41	326661	117.03	ug/l	99
49) 1,4-Dioxane	7.76	88	98844	2599.80	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1851165	614.07	ug/l	100
52) Toluene	8.79	92	702777	121.62	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	453900	129.43	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	440143	131.59	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	278581	123.94	ug/l	99
56) Ethyl methacrylate	9.19	69	427301	125.46	ug/l	99
57) 1,3-Dichloropropane	9.38	76	450828	121.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1017615	655.50	ug/l	99
59) 2-Hexanone	9.51	43	1413324	611.33	ug/l	99
60) Dibromochloromethane	9.59	129	327216	132.01	ug/l	100
61) 1,2-Dibromoethane	9.68	107	300296	123.63	ug/l	100
64) Tetrachloroethene	9.34	164	322091	114.09	ug/l	98
65) Chlorobenzene	10.15	112	825118	118.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	306663	126.18	ug/l	99
67) Ethyl Benzene	10.26	91	1383173	120.77	ug/l	100
68) m/p-Xylenes	10.37	106	1089036	239.87	ug/l	100
69) o-Xylene	10.71	106	531004	120.16	ug/l	99
70) Styrene	10.72	104	894891	122.39	ug/l	99
71) Bromoform	10.87	173	278759	133.46	ug/l	99
73) Isopropylbenzene	11.02	105	1417562	115.48	ug/l	98
74) N-amyl acetate	6.47	43	610988	119.22	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	418489	120.80	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	378793m	99.32	ug/l	
77) Bromobenzene	11.26	156	415687	115.75	ug/l	100
78) n-propylbenzene	11.37	91	1613876	113.68	ug/l	99
79) 2-Chlorotoluene	11.43	91	950680	113.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1217890	116.81	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	129849	133.87	ug/l	94
82) 4-Chlorotoluene	11.52	91	1147435	113.47	ug/l	100
83) tert-Butylbenzene	11.77	119	1253460	116.97	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1253038	117.94	ug/l	100
85) sec-Butylbenzene	11.95	105	1450753	112.74	ug/l	99
86) p-Isopropyltoluene	12.07	119	1354504	114.18	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	765046	113.52	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	781757	114.00	ug/l	99
89) n-Butylbenzene	12.40	91	1201656	112.26	ug/l	99
90) Hexachloroethane	12.60	117	219413	127.94	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	752551	115.64	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	91711	126.73	ug/l	98

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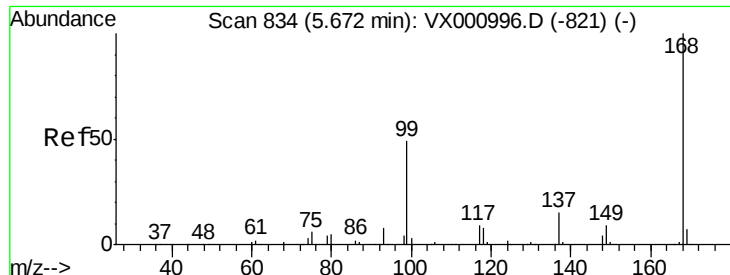
Manual Integrations
APPROVED

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	627578	109.14	ug/l	99
94) Hexachlorobutadiene	13.79	225	281489	110.01	ug/l	99
95) Naphthalene	13.84	128	1595597	118.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	605743	112.86	ug/l	100

(#) = 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: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 247169

Ion Ratio Lower Upper

168 100

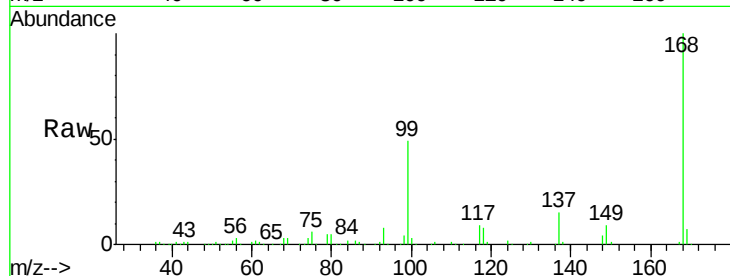
99 48.3 39.2 58.8

Manual Integrations

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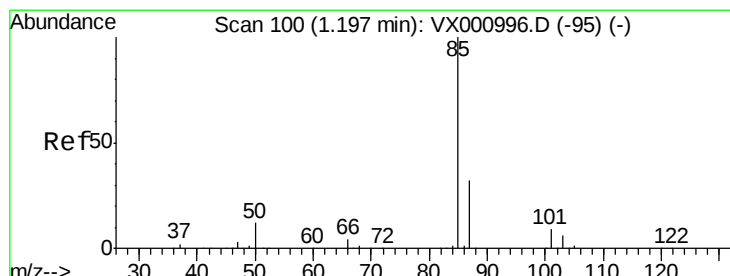
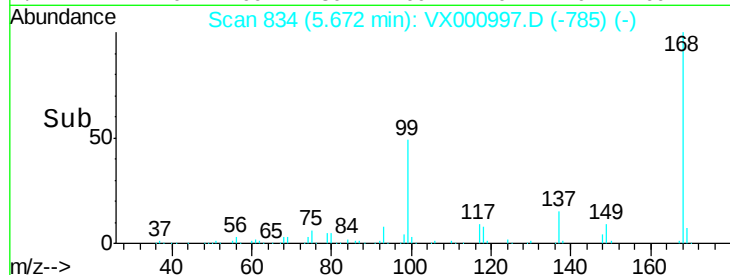
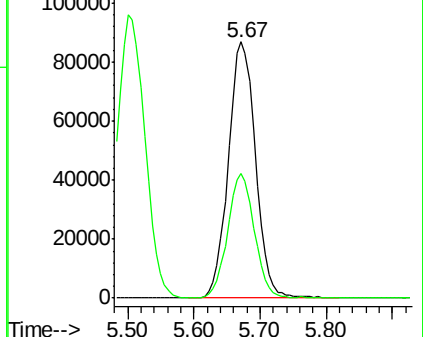
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 140.76 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000997.D

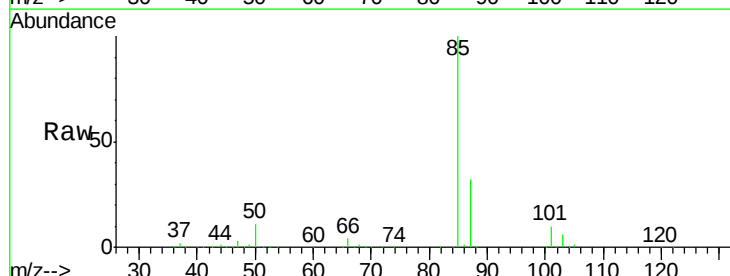
Acq: 19 Apr 2018 18:54

Tgt Ion: 85 Resp: 331779

Ion Ratio Lower Upper

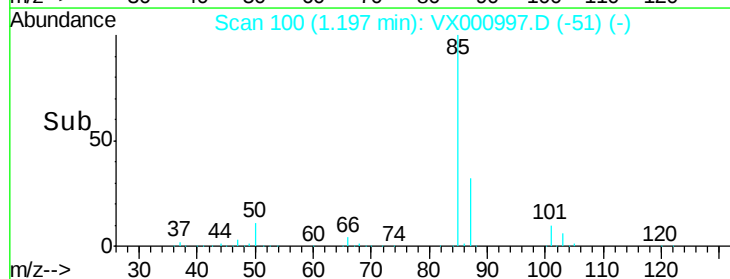
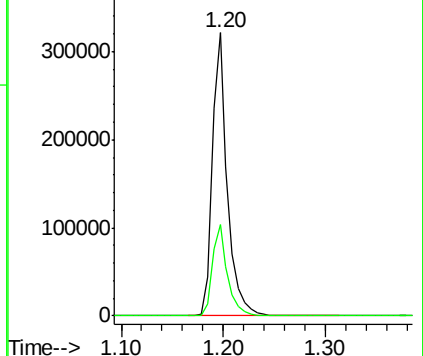
85 100

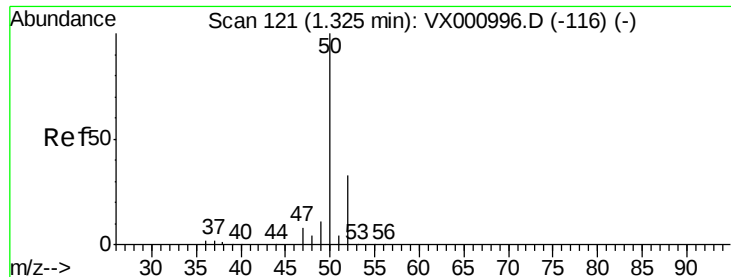
87 32.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 112.88 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 273806

Ion Ratio Lower Upper

50 100

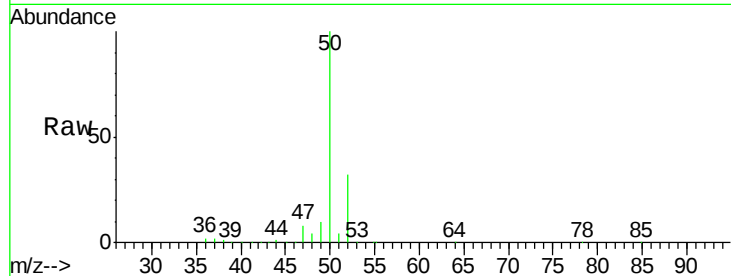
52 32.3 26.3 39.5

Manual Integrations

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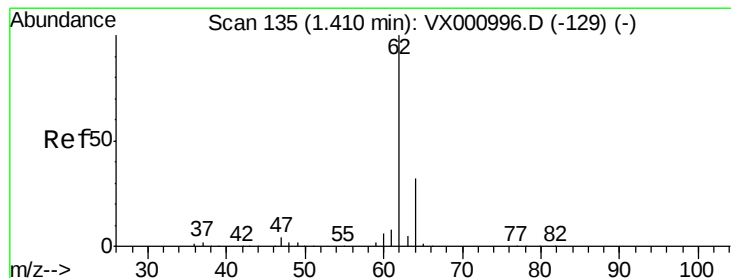
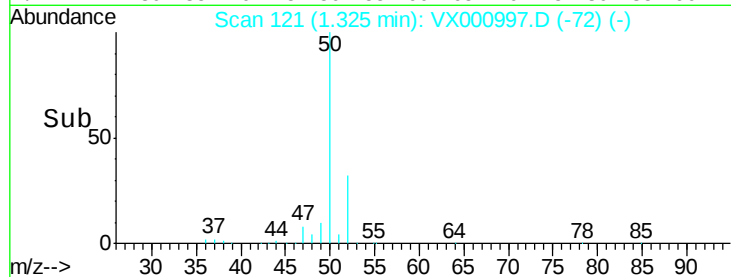
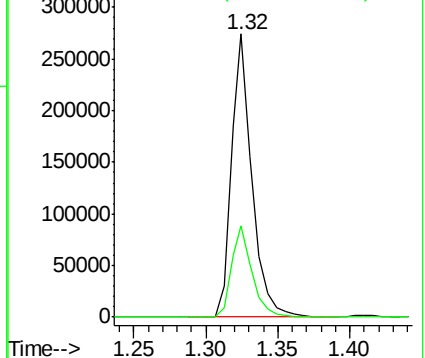
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 125.78 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000997.D

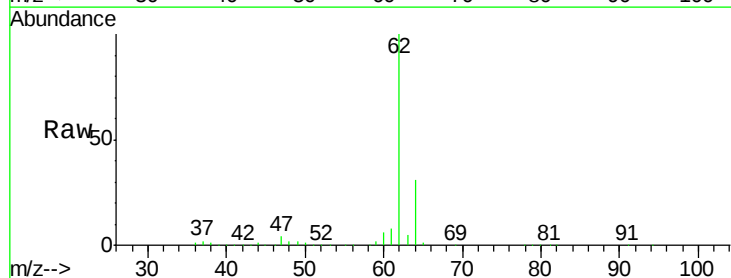
Acq: 19 Apr 2018 18:54

Tgt Ion: 62 Resp: 297129

Ion Ratio Lower Upper

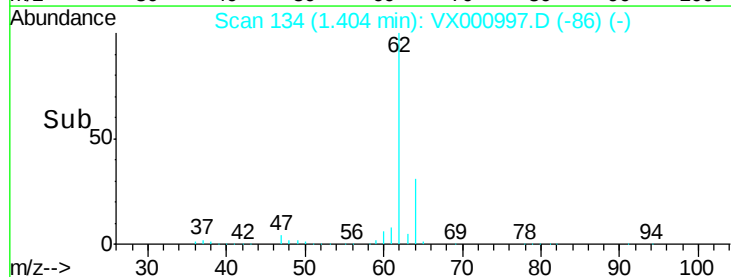
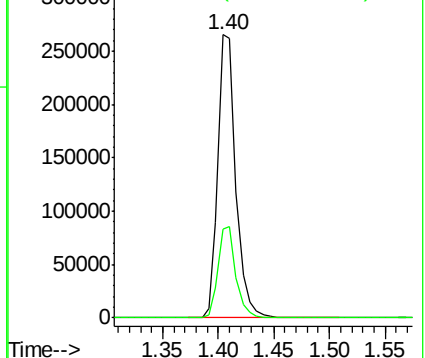
62 100

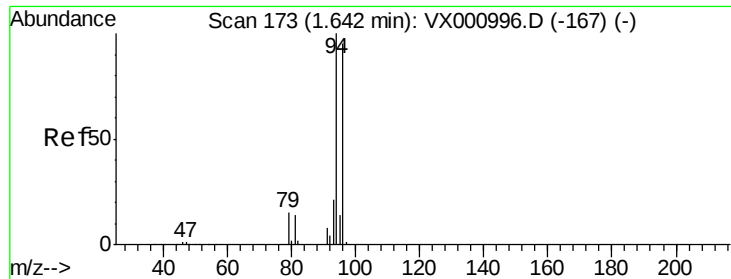
64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 90.49 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 140664

Ion Ratio Lower Upper

94 100

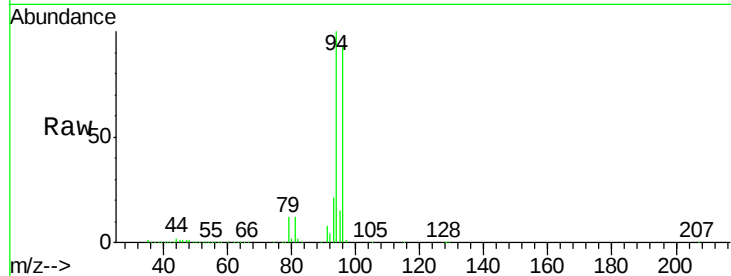
96 93.3 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

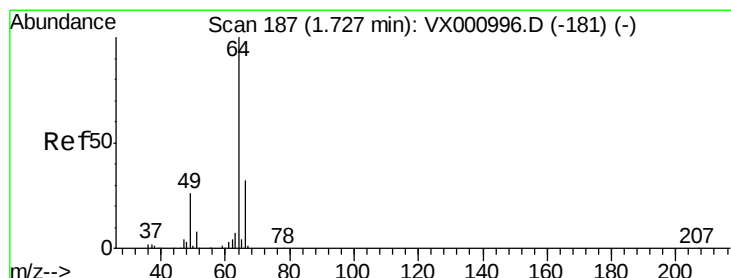
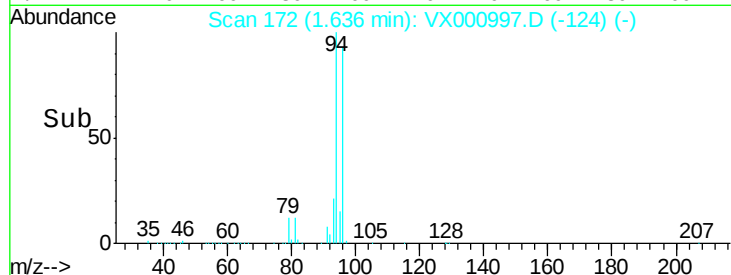
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 101.19 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000997.D

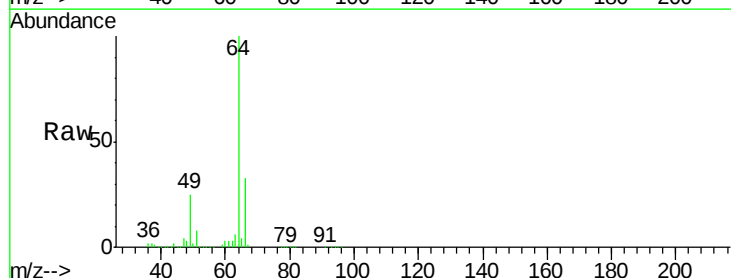
Acq: 19 Apr 2018 18:54

Tgt Ion: 64 Resp: 168012

Ion Ratio Lower Upper

64 100

66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

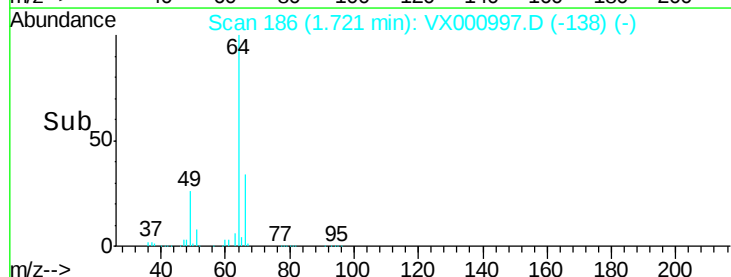
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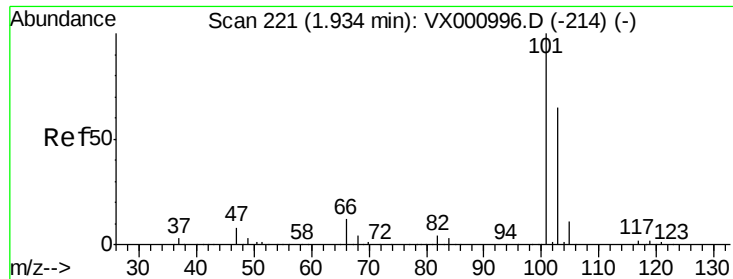
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50000

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Time-->





#7

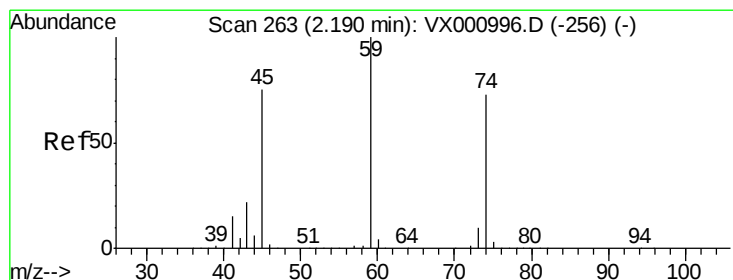
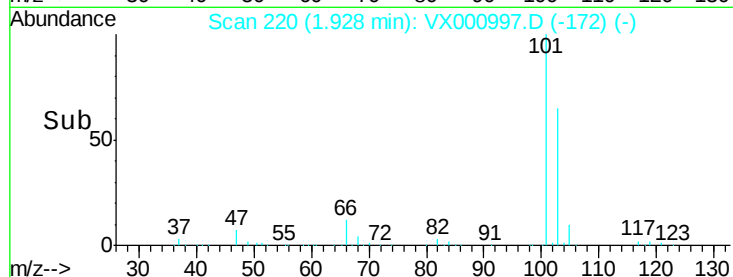
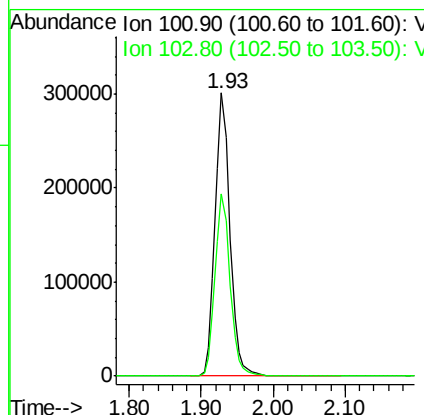
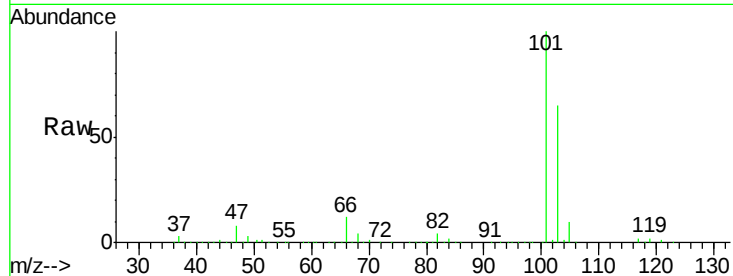
Trichlorofluoromethane
 Concen: 121.00 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 432543
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.8

Manual Integrations
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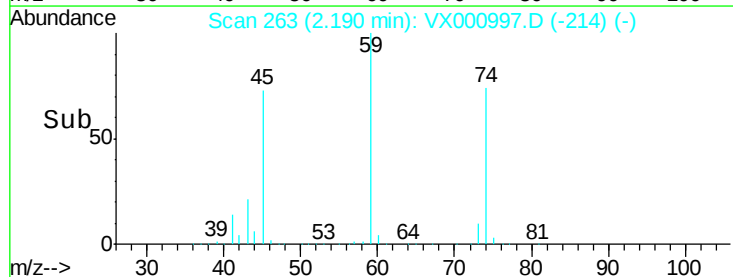
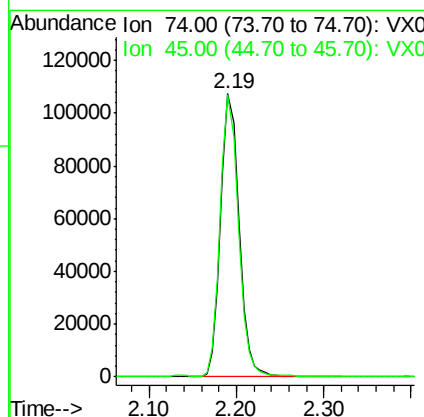
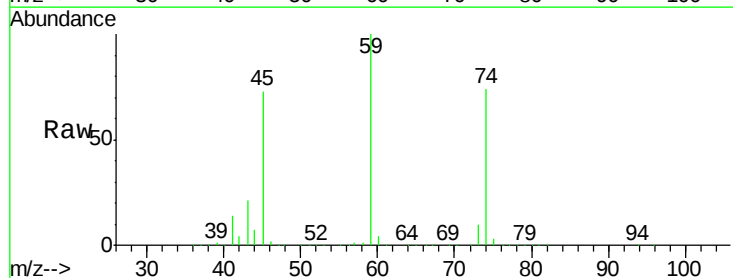
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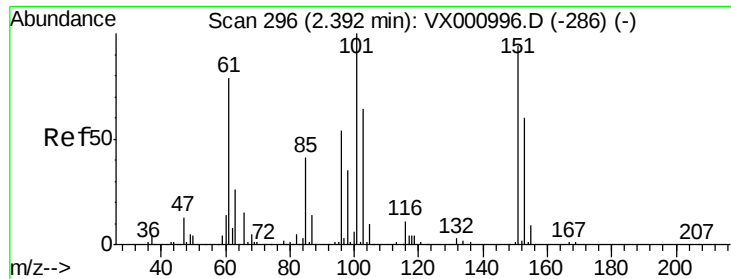


#8

Diethyl Ether
 Concen: 115.10 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Tgt Ion: 74 Resp: 157483
 Ion Ratio Lower Upper
 74 100
 45 98.4 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 116.84 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

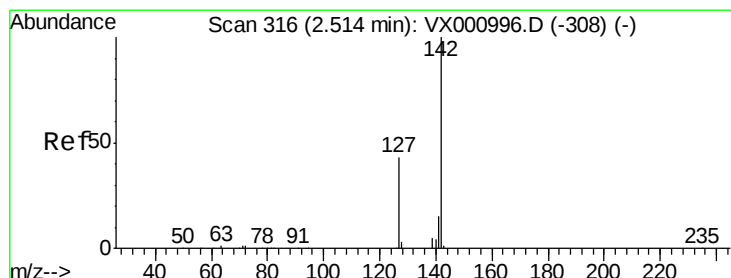
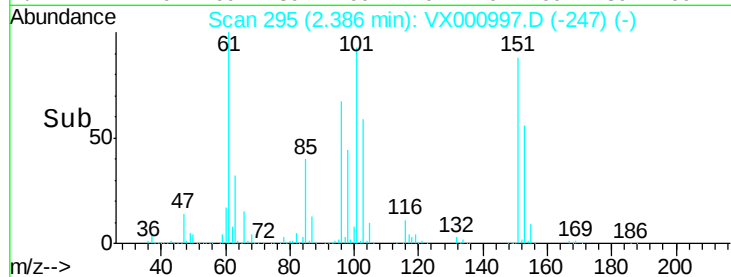
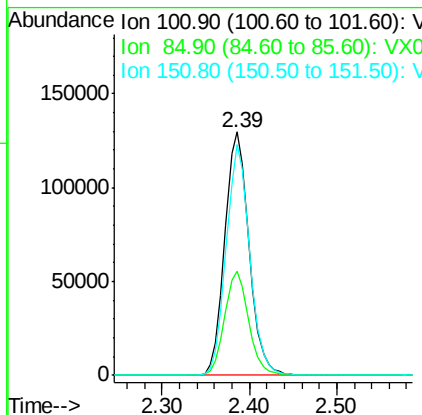
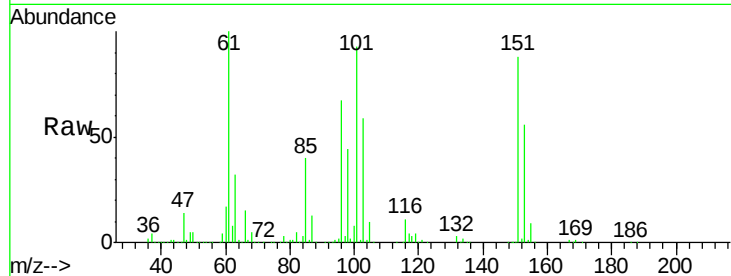
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	249832
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.9	50.9
151	92.4	73.5	110.3

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#10

Methyl Iodide

Concen: 146.55 ug/l

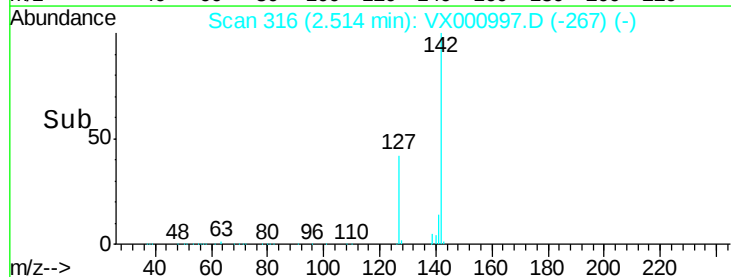
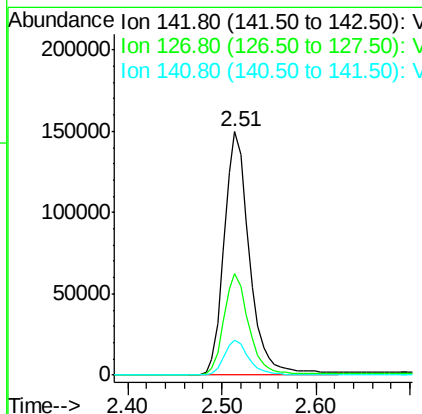
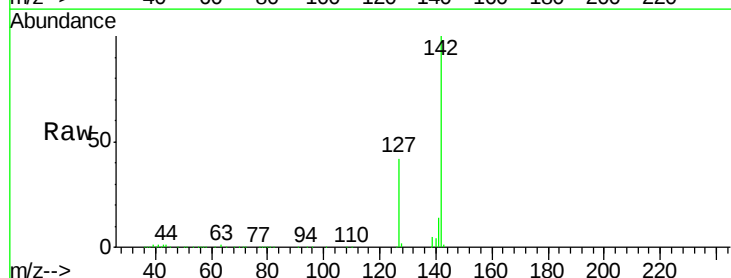
RT: 2.51 min Scan# 316

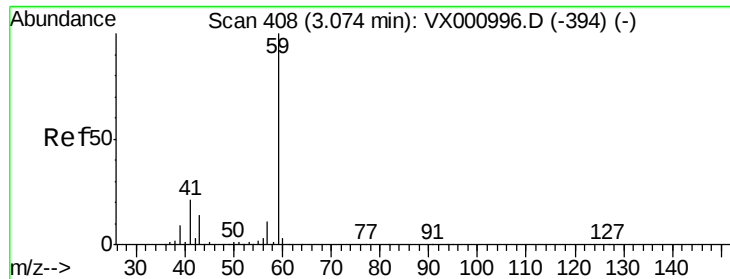
Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tgt Ion:	142	Resp:	282709
Ion Ratio	Lower	Upper	
142	100		
127	41.2	34.0	51.0
141	14.1	11.4	17.2





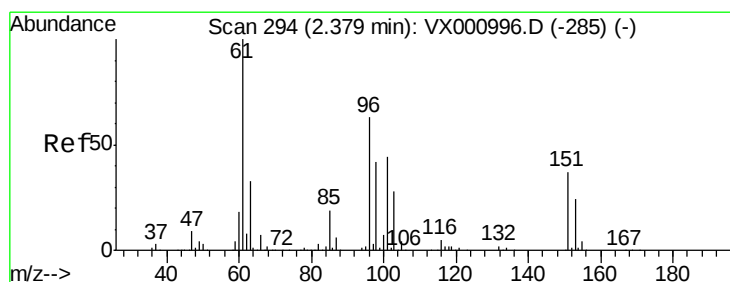
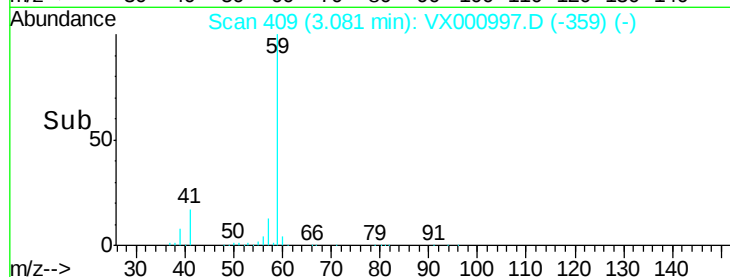
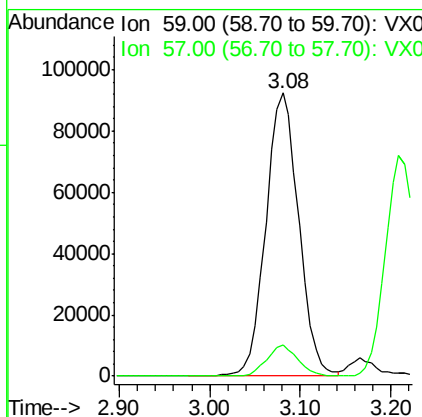
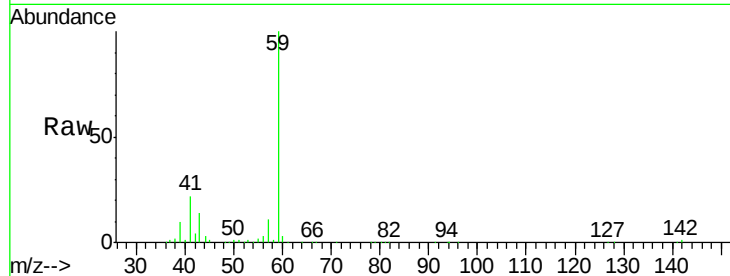
#11
Tert butyl alcohol
Concen: 568.60 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 59 Resp: 231092
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

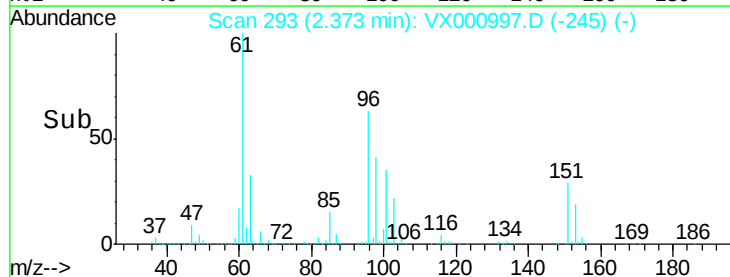
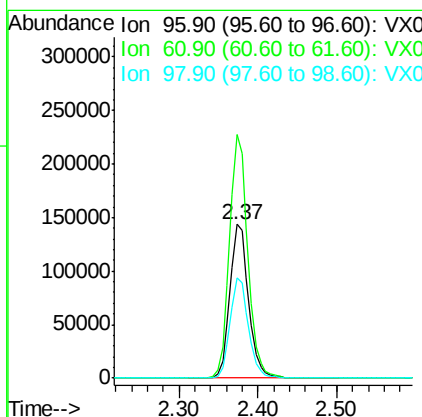
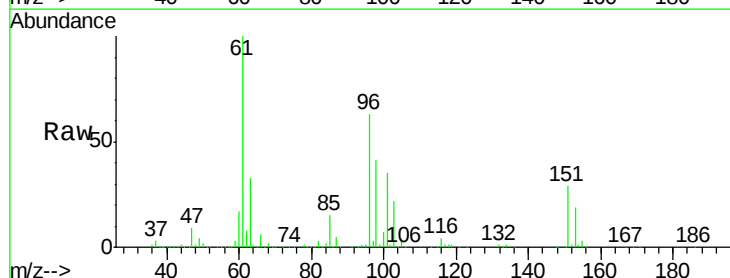
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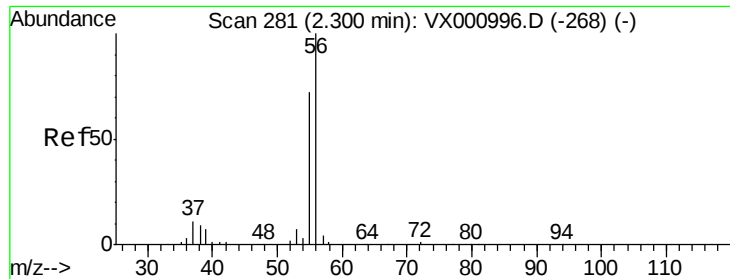
MMDadoda
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#12
1,1-Dichloroethene
Concen: 115.28 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion: 96 Resp: 235135
Ion Ratio Lower Upper
96 100
61 158.8 126.4 189.6
98 65.3 52.6 78.8





#13

Acrolein

Concen: 927.53 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 76708

Ion Ratio Lower Upper

56 100

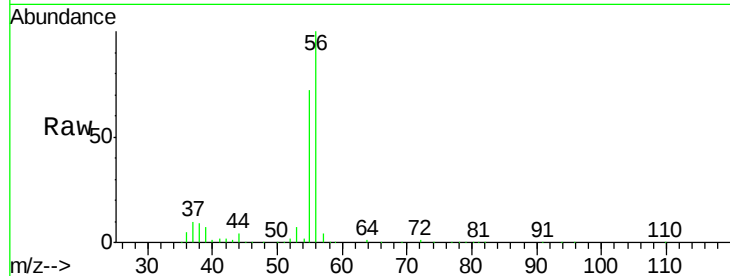
55 72.0 57.4 86.2

Manual Integrations

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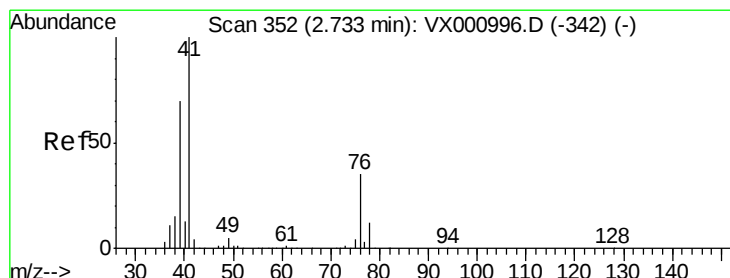
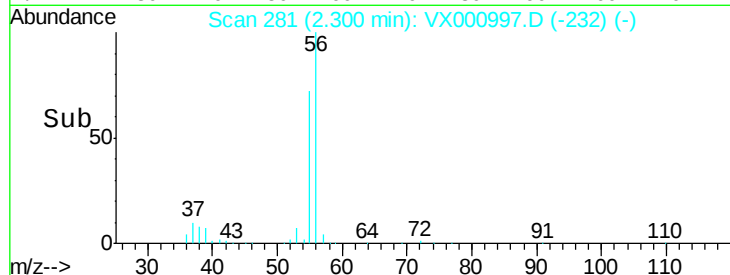
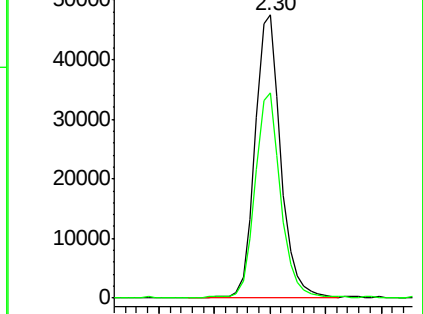
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 113.58 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

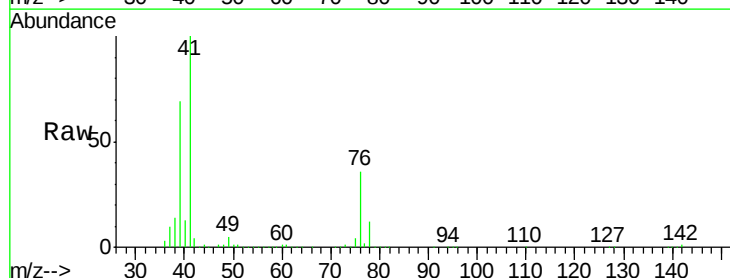
Tgt Ion: 41 Resp: 431582

Ion Ratio Lower Upper

41 100

39 65.7 53.0 79.6

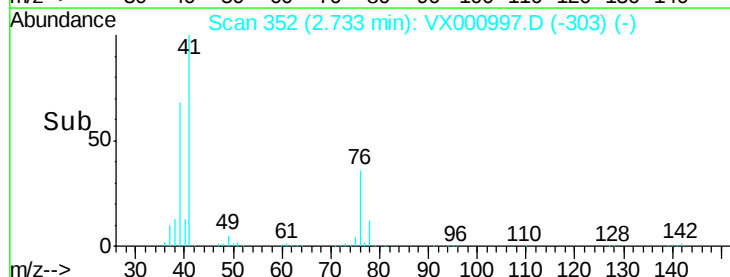
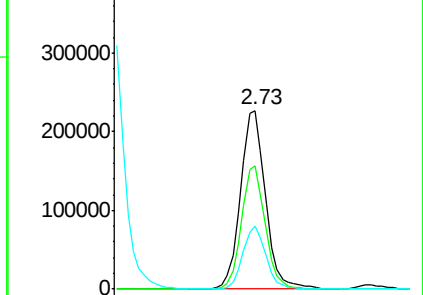
76 32.6 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 567.23 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

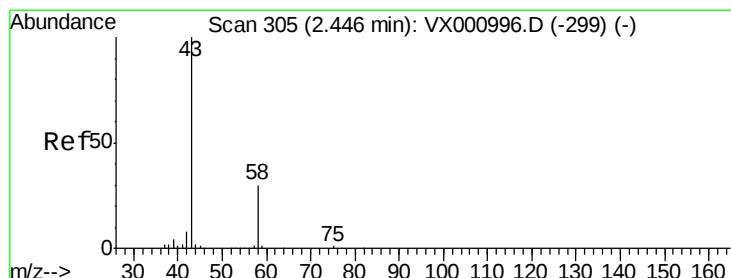
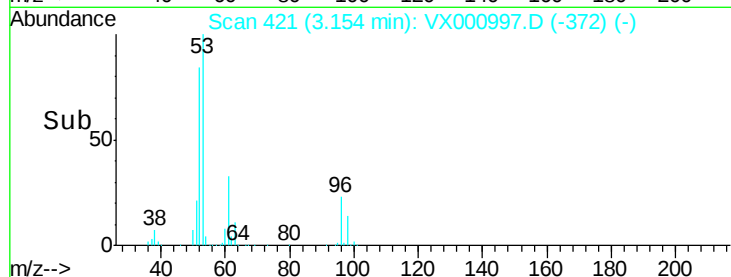
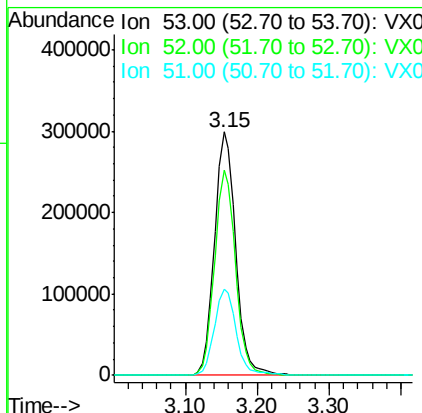
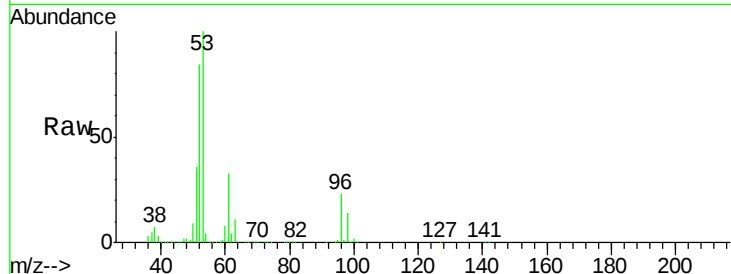
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	609410
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.4	99.6
51	36.4	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 533.89 ug/l

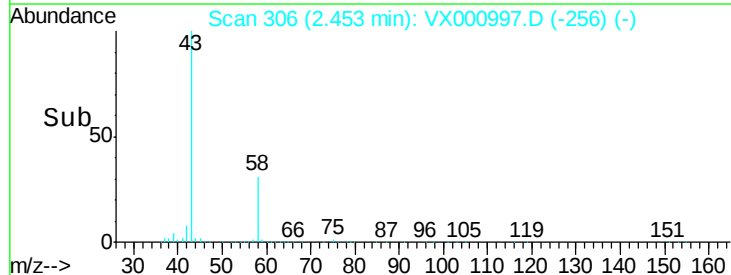
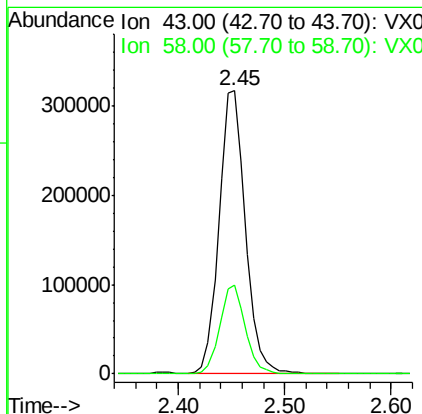
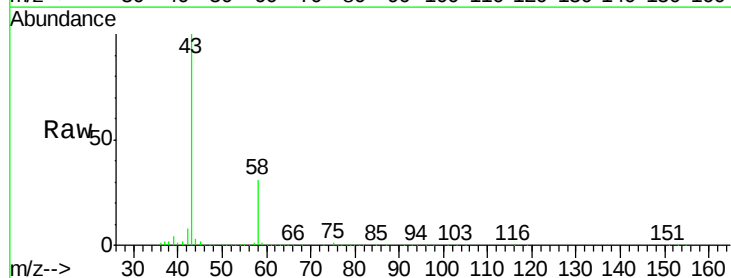
RT: 2.45 min Scan# 306

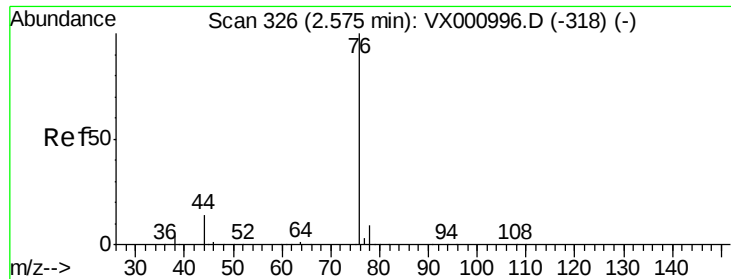
Delta R.T. 0.01 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tgt Ion:	43	Resp:	542619
Ion Ratio		Lower	Upper
43	100		
58	31.2	23.7	35.5





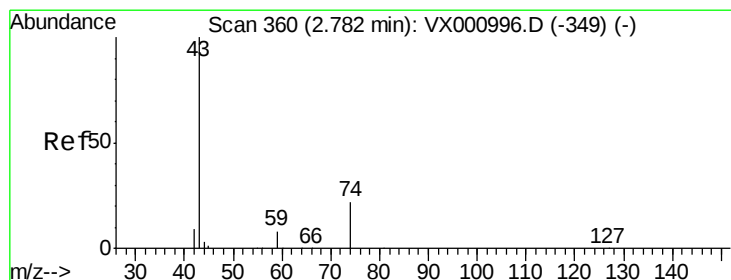
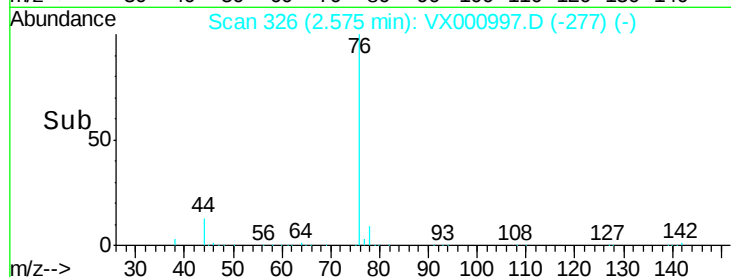
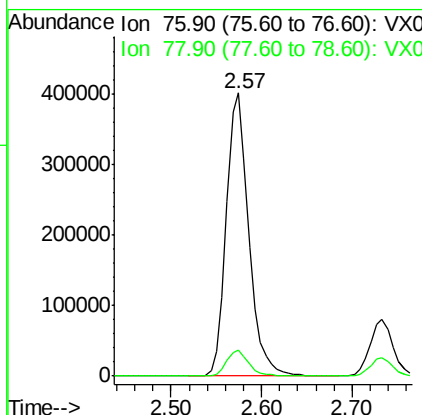
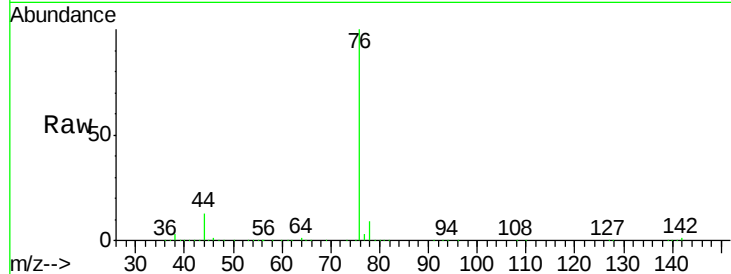
#17
Carbon Disulfide
Concen: 108.76 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

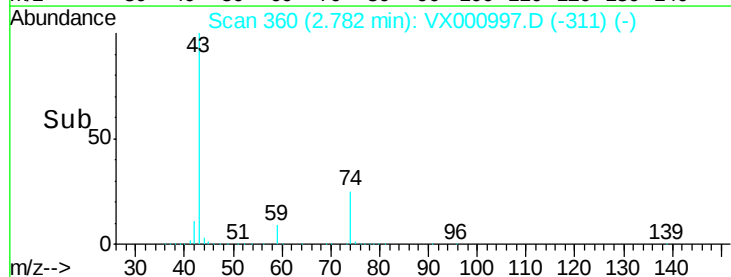
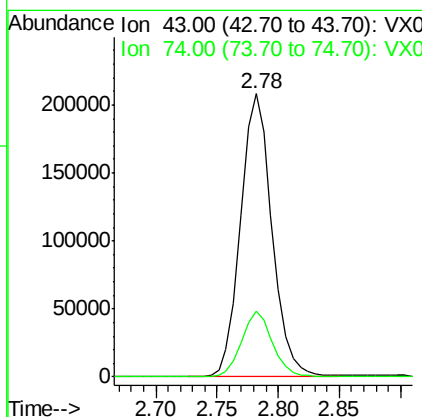
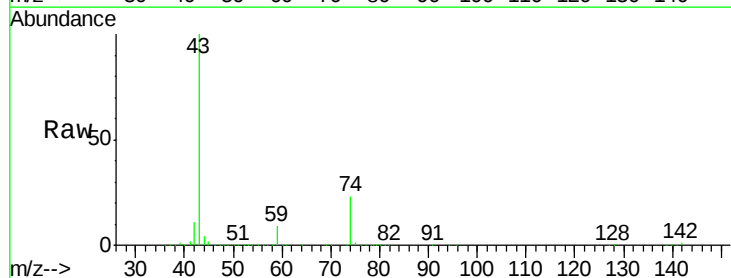
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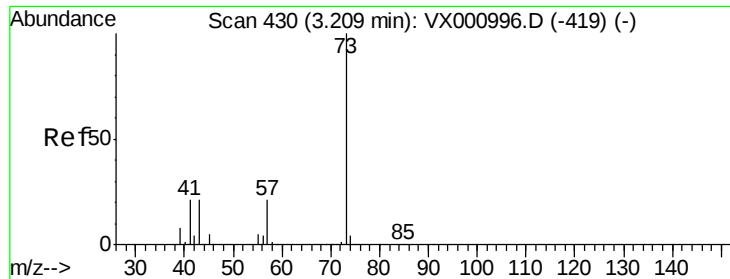
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#18
Methyl Acetate
Concen: 140.02 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.3	27.5





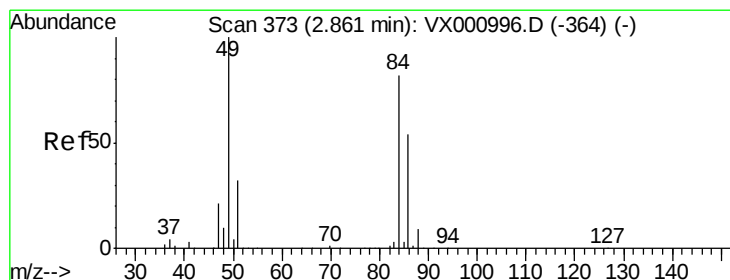
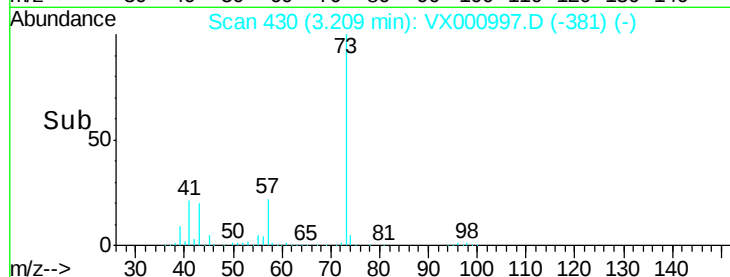
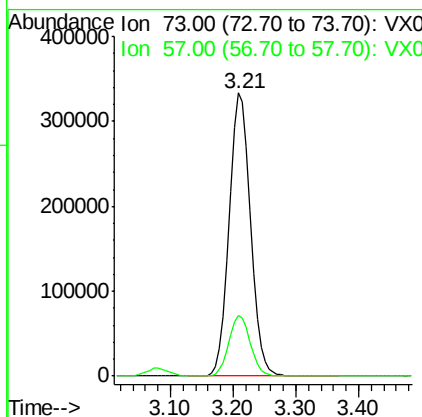
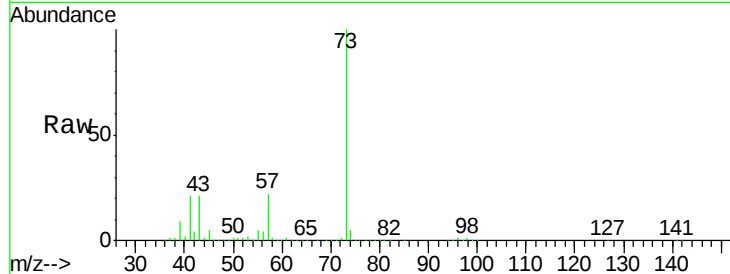
#19
Methyl tert-butyl Ether
Concen: 118.44 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.1	25.7

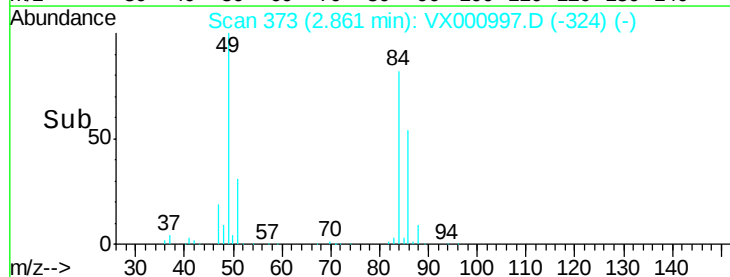
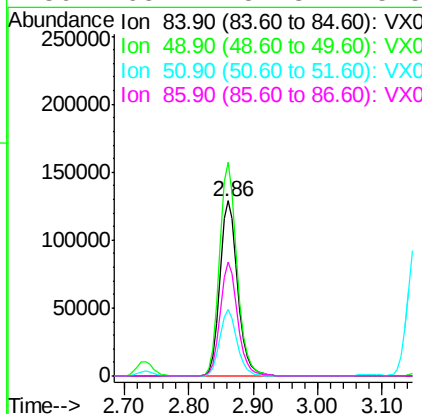
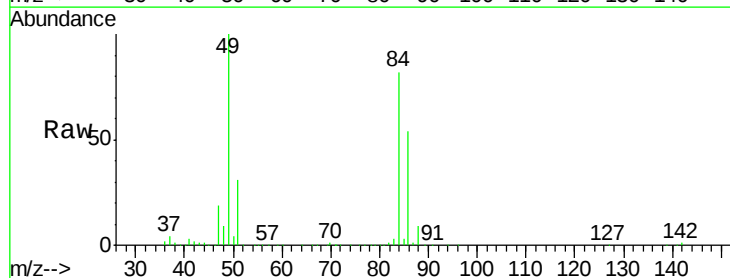
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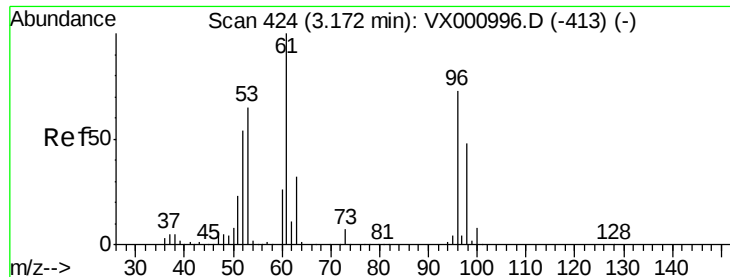
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#20
Methylene Chloride
Concen: 105.42 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	97.1	145.7
51	38.1	30.8	46.2
86	65.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 111.25 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 256534

Ion Ratio Lower Upper

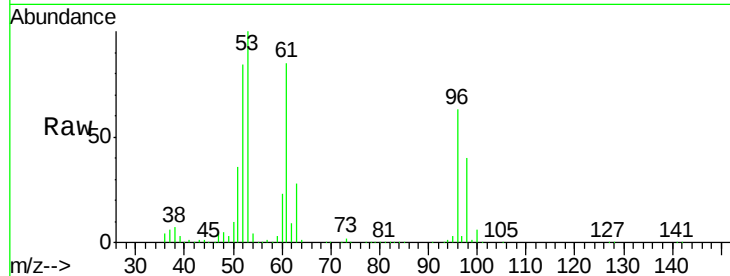
96 100

61 135.9 109.4 164.2

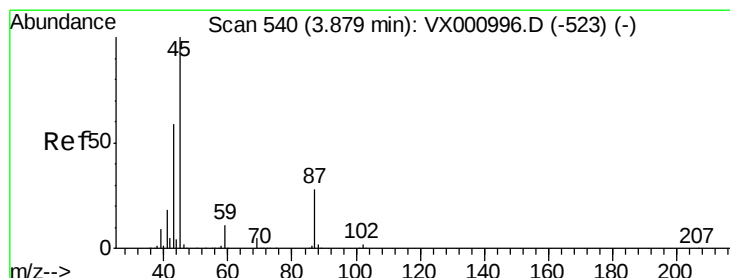
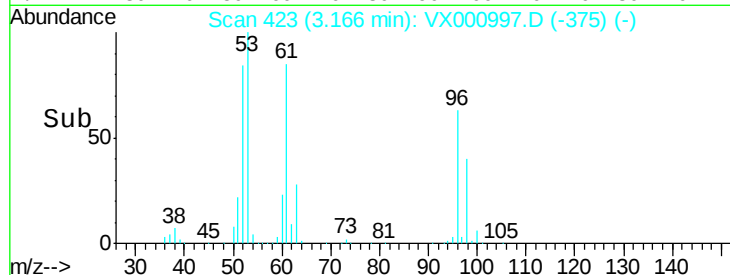
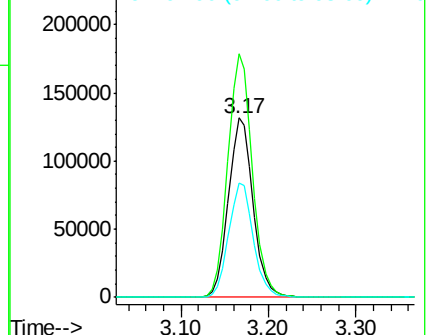
98 64.0 52.6 78.8

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 117.62 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tgt Ion: 45 Resp: 854714

Ion Ratio Lower Upper

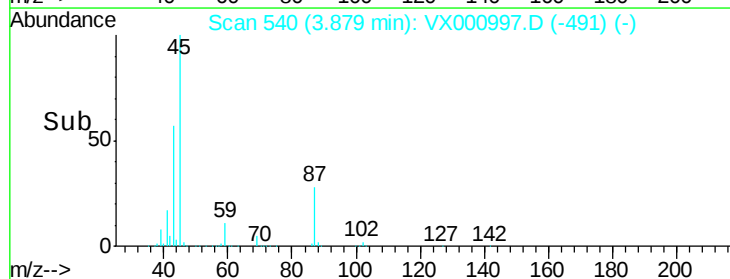
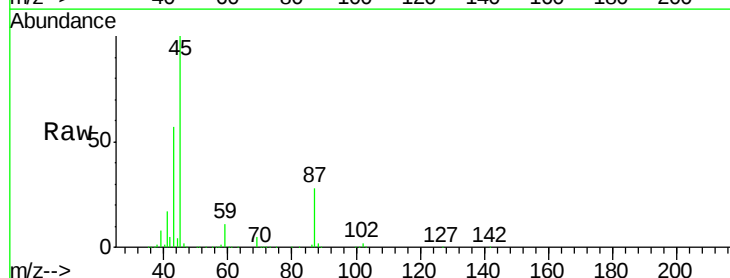
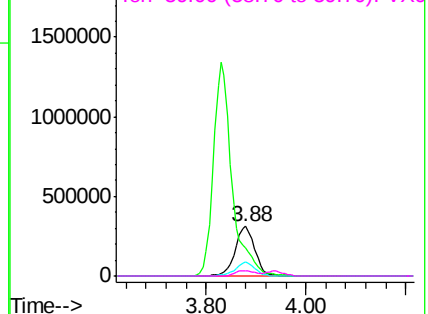
45 100

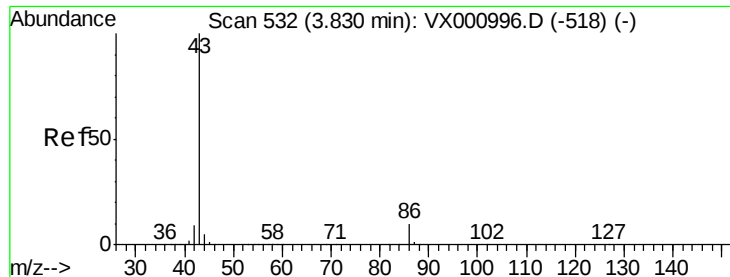
43 56.8 47.0 70.4

87 27.8 22.5 33.7

59 11.2 8.8 13.2

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 586.99 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tot Ion: 43 Resp: 3480940

Ion Ratio Lower Upper

43 100

86 10.3 8.1 12.1

Instrument :

MSVOA_X

ClientSampleId :

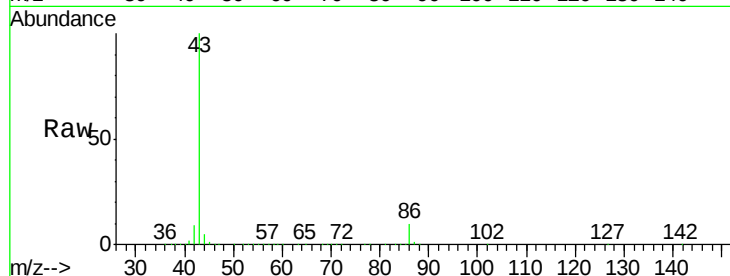
VSTDIC100

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1500000

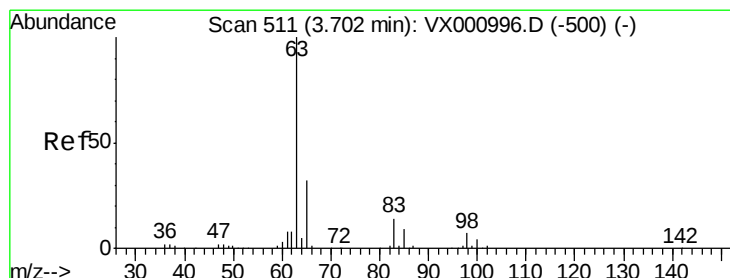
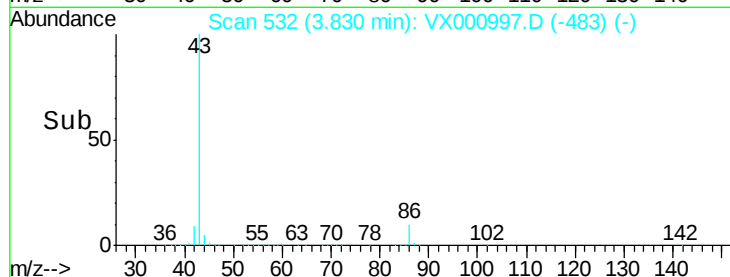
1000000

500000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 116.61 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

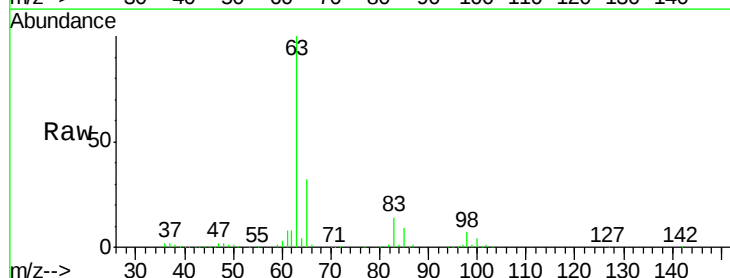
Tgt Ion: 63 Resp: 456879

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.2 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

250000

200000

150000

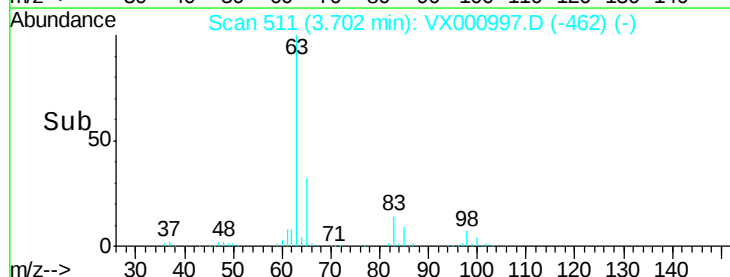
100000

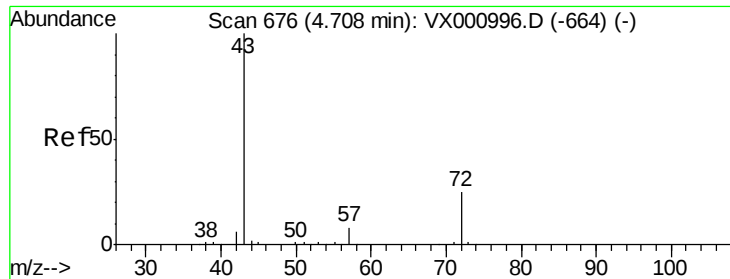
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 568.00 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 888554

Ion Ratio Lower Upper

43 100

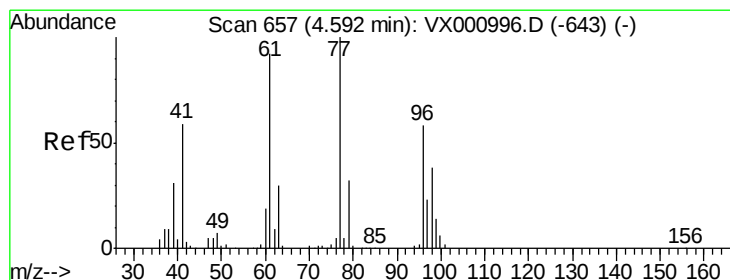
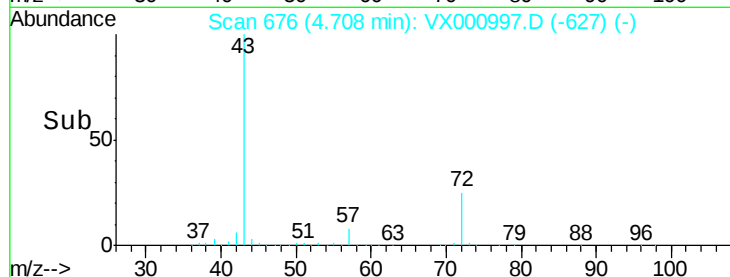
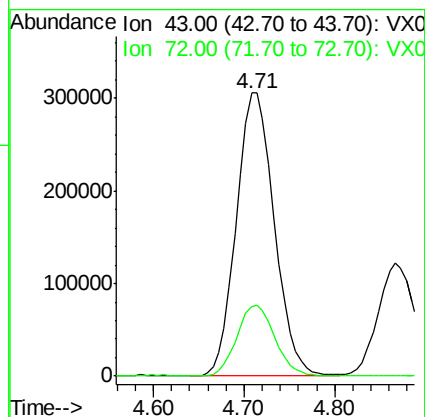
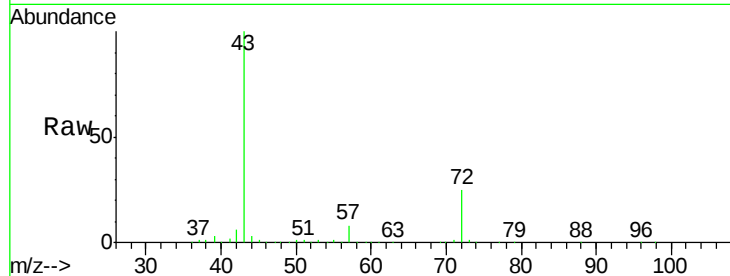
72 24.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 119.11 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000997.D

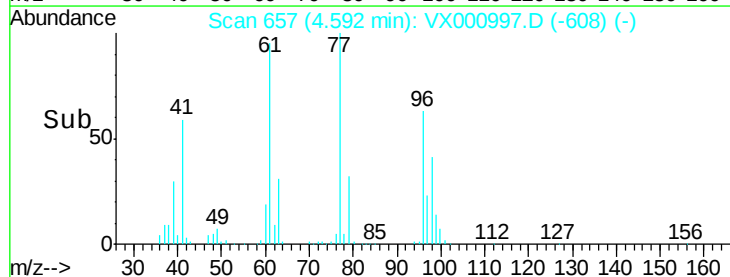
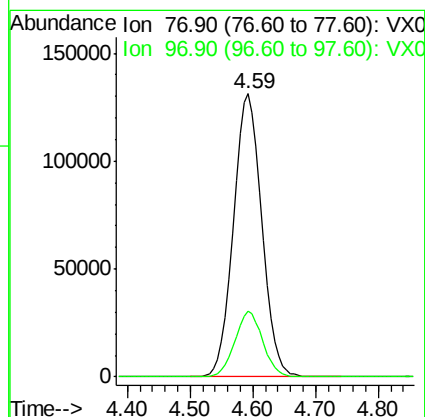
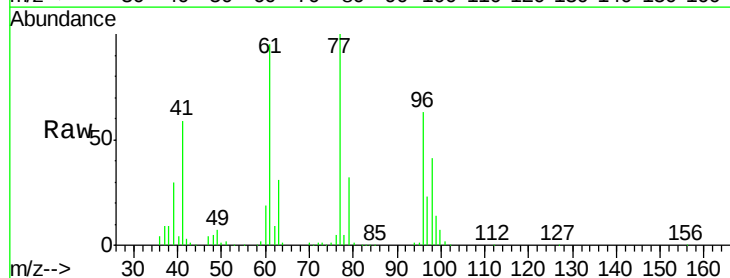
Acq: 19 Apr 2018 18:54

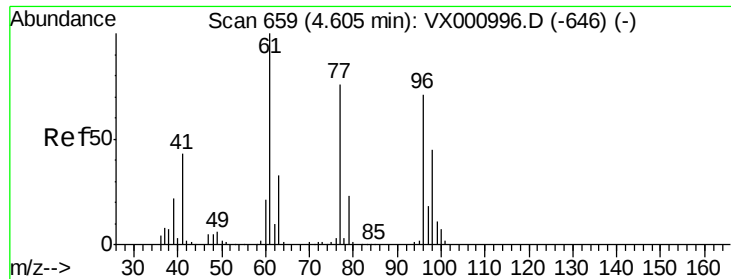
Tgt Ion: 77 Resp: 409458

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

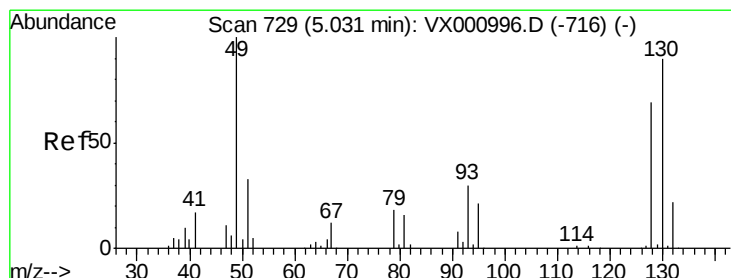
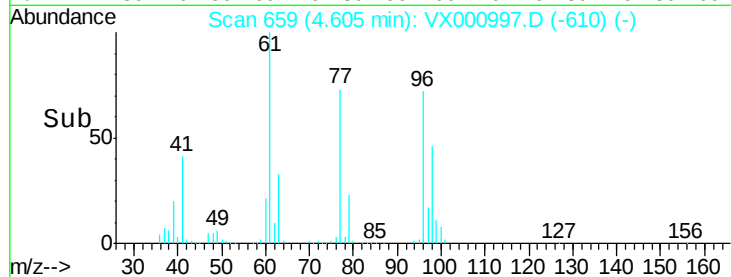
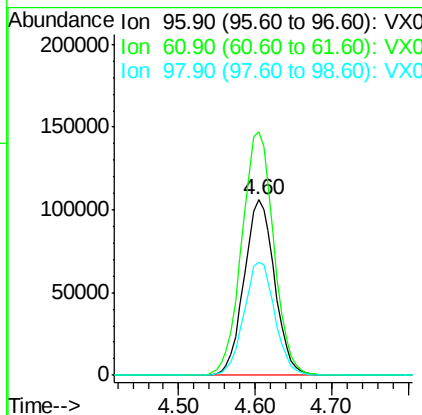
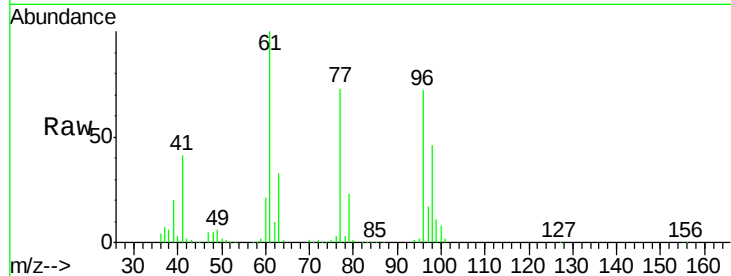
cis-1,2-Dichloroethene
Concen: 118.31 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	295200		
61	145.3	0.0	297.0	
98	65.2	0.0	130.0	

Manual Integrations
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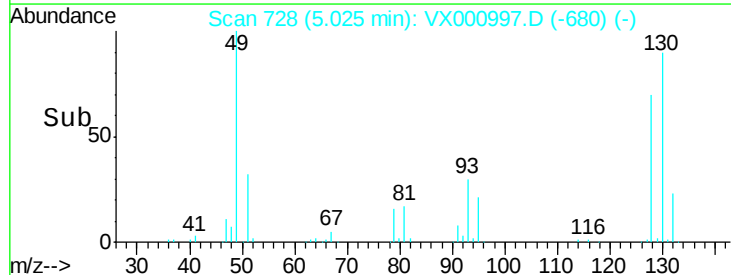
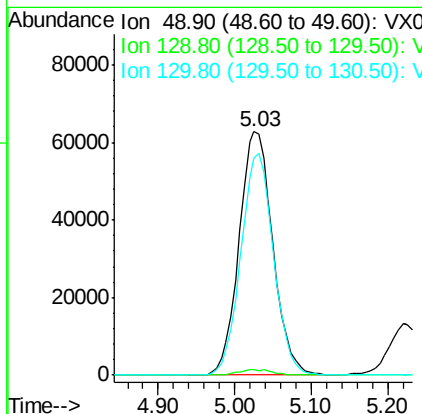
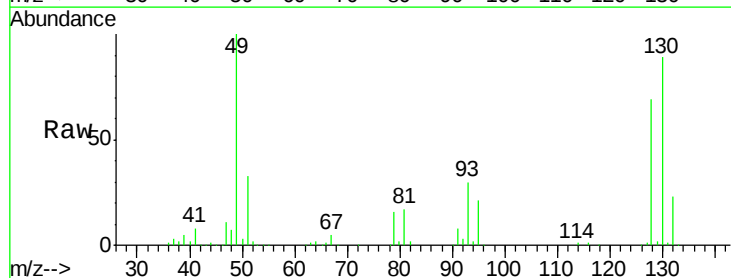
MMDadoda
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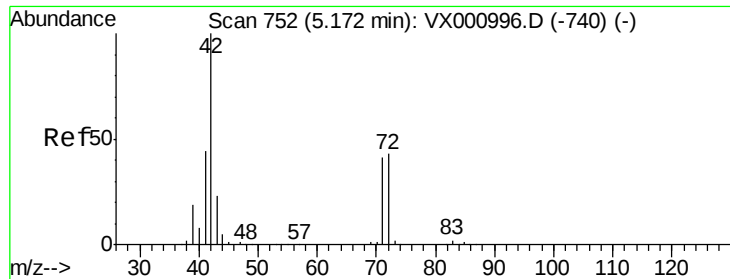


#28

Bromochloromethane
Concen: 116.96 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	192123		
129	2.3	0.0	4.8	
130	88.4	70.6	105.8	





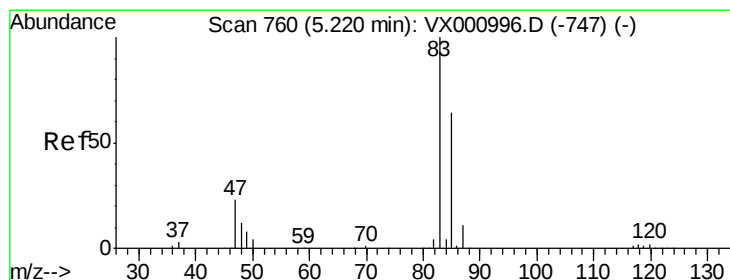
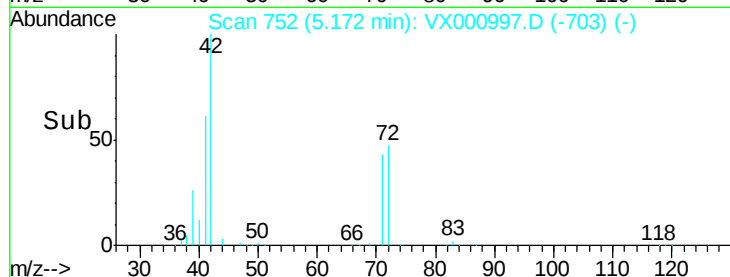
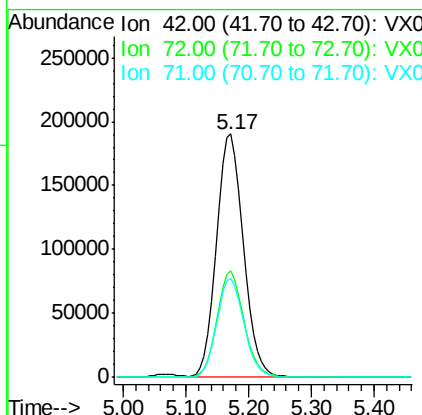
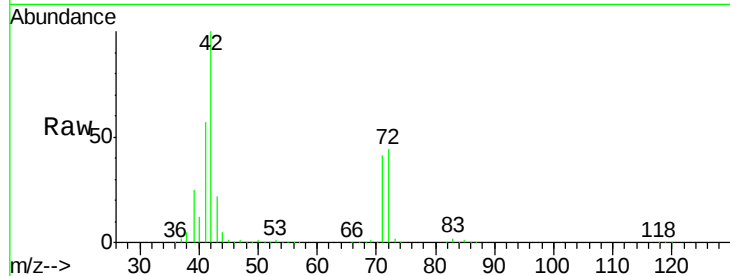
#29
Tetrahydrofuran
Concen: 567.77 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.6	52.0
71	40.9	32.6	49.0

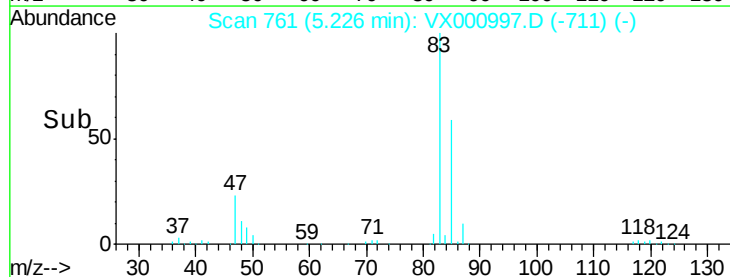
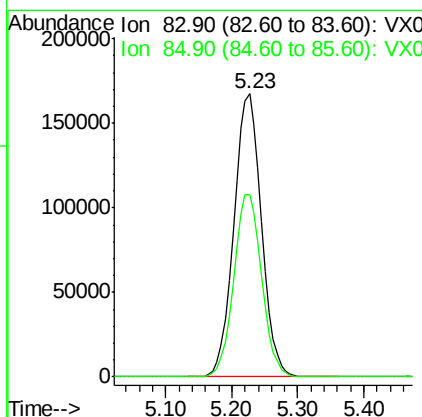
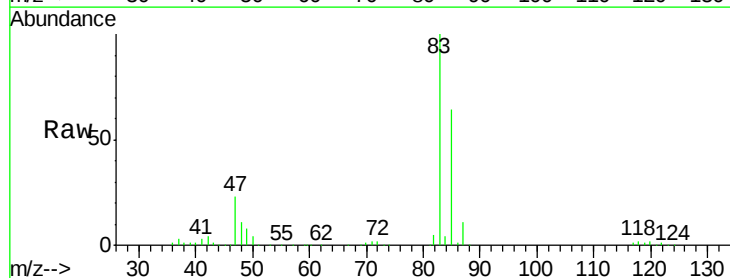
Manual Integrations
APPROVED

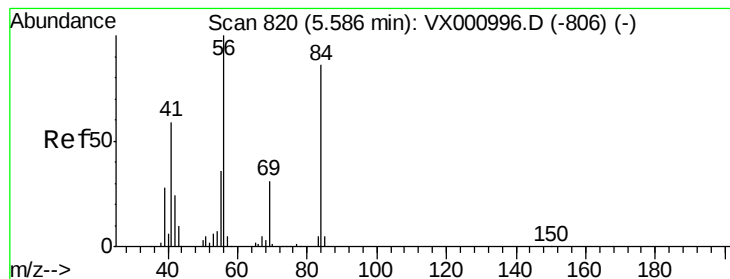
MMDadoda
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#30
Chloroform
Concen: 119.55 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9





#31

Cyclohexane

Concen: 120.48 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

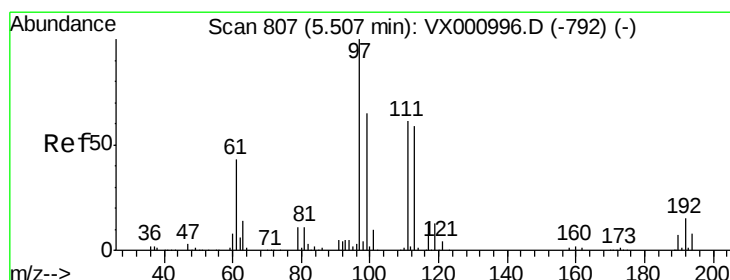
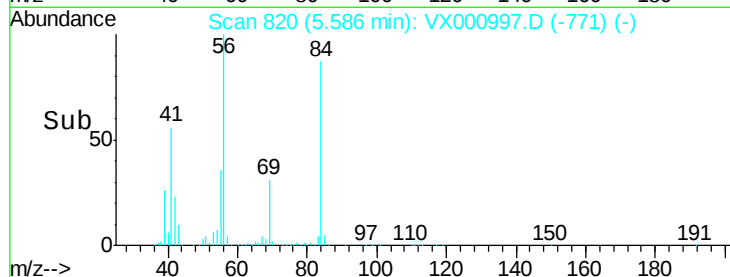
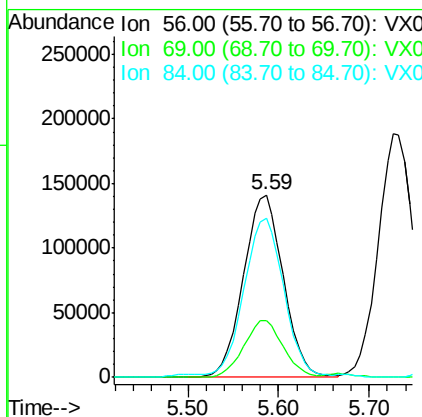
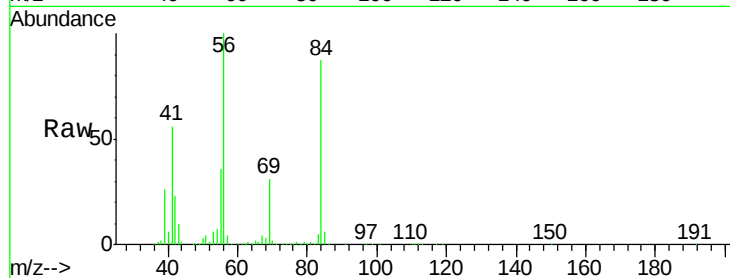
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	427158
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.6	36.8
84	85.6	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 124.16 ug/l

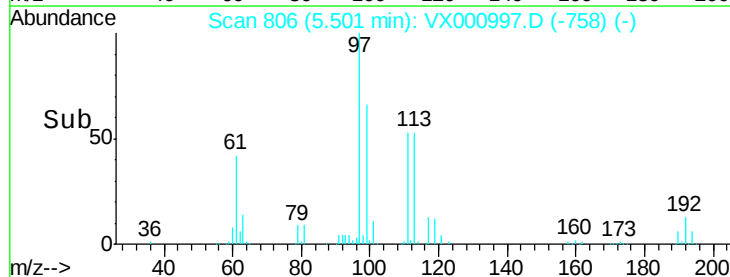
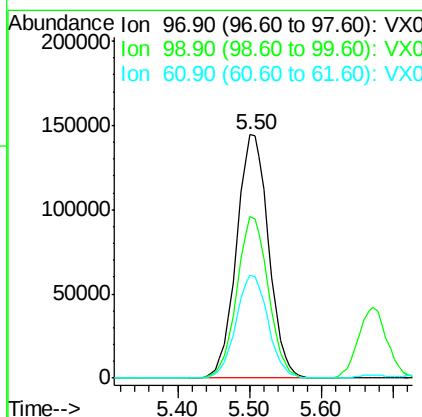
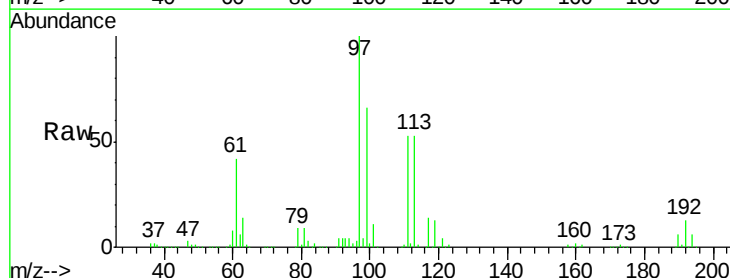
RT: 5.50 min Scan# 806

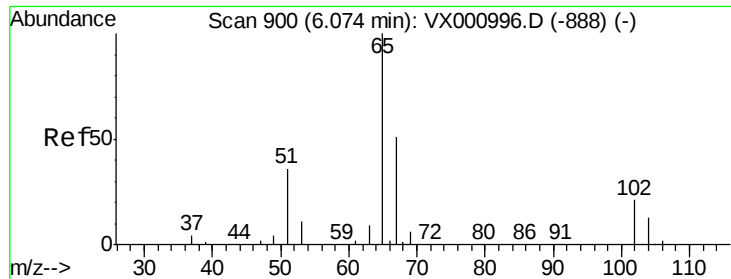
Delta R.T. -0.01 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tgt Ion:	97	Resp:	446107
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.1	76.7
61	42.4	34.4	51.6





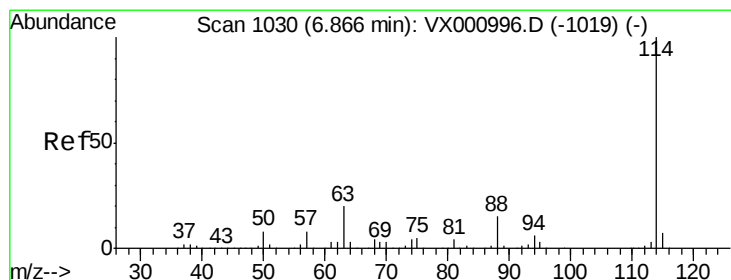
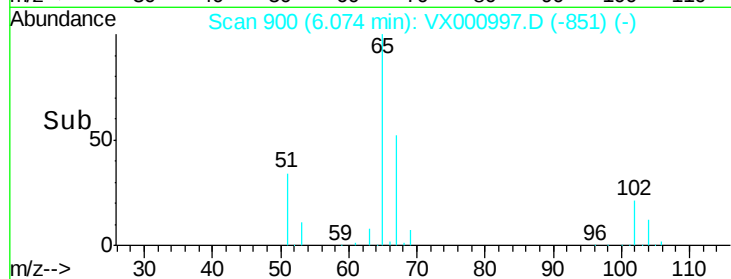
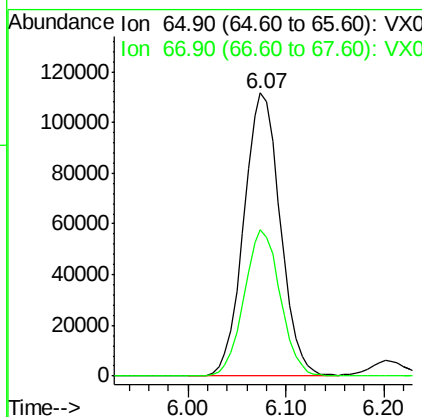
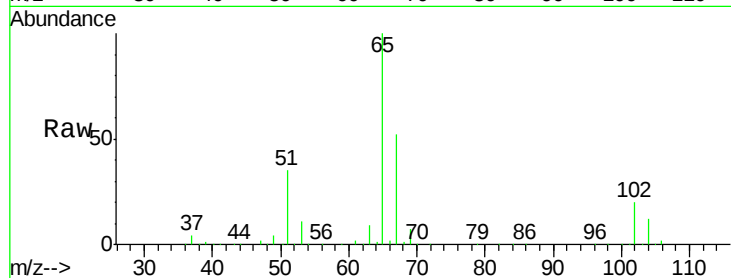
#33
 1,2-Dichloroethane-d4
 Concen: 92.74 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.6

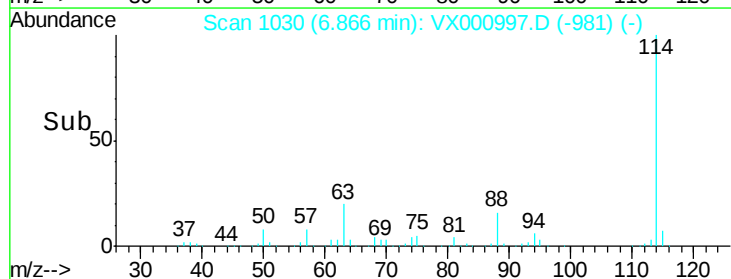
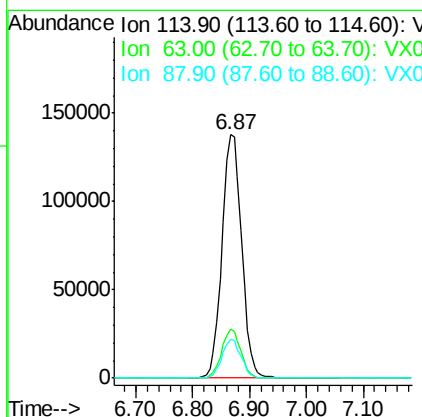
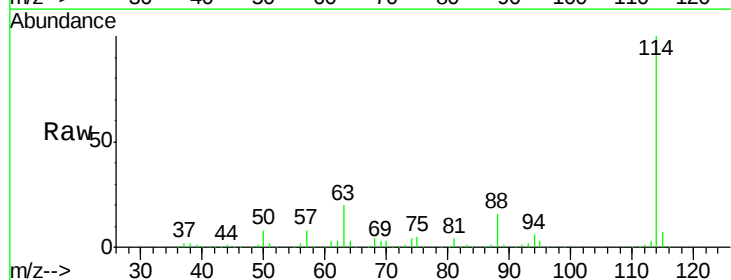
Manual Integrations
 APPROVED

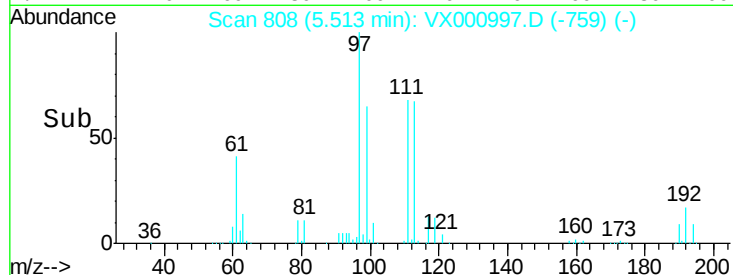
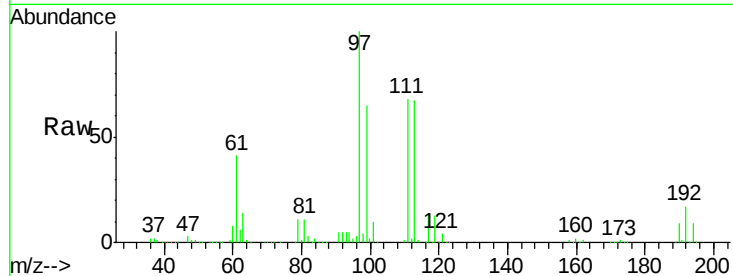
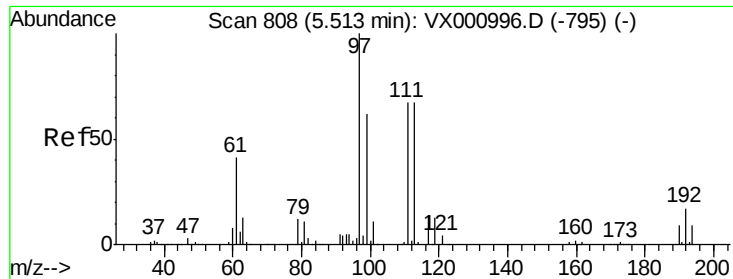
MMDadoda
 4/20/2018 2:09:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.4
88	15.7	0.0	29.8





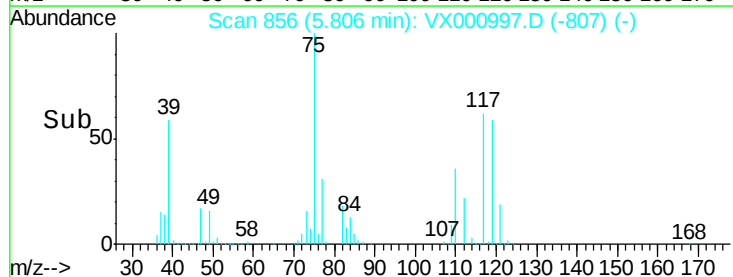
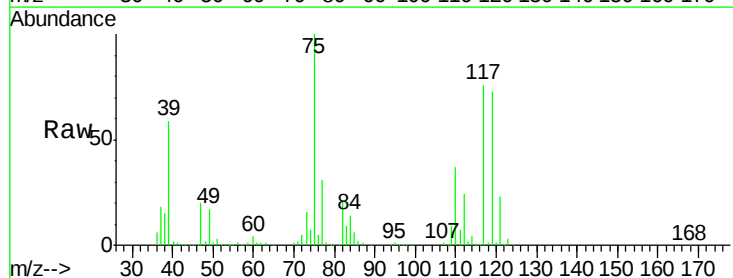
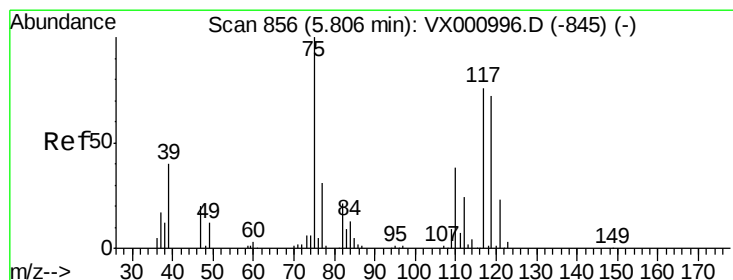
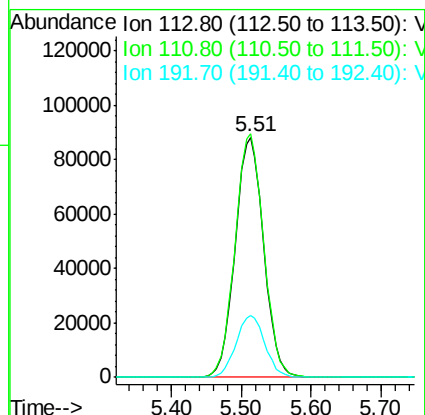
#35
Dibromofluoromethane
Concen: 107.27 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tot Ion	Ratio	Resp	Lower	Upper
113	100	249041		
111	101.7	81.4	122.2	
192	25.9	20.4	30.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

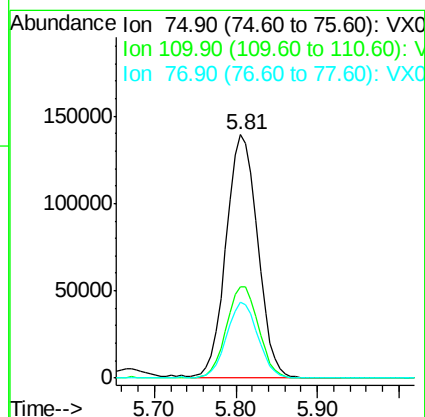
Manual Integrations
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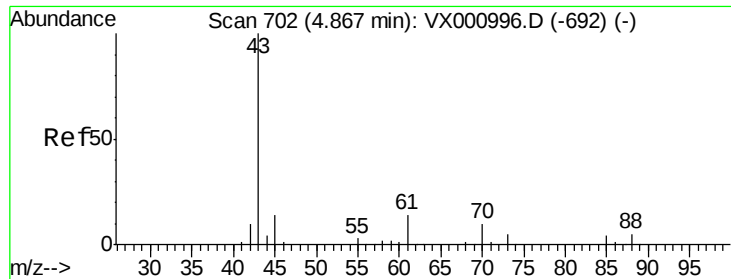
MMDadoda
4/20/2018 2:09:31 PM



#36
1,1-Dichloropropene
Concen: 117.88 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	372011		
110	38.2	18.7	56.1	
77	31.0	25.0	37.4	





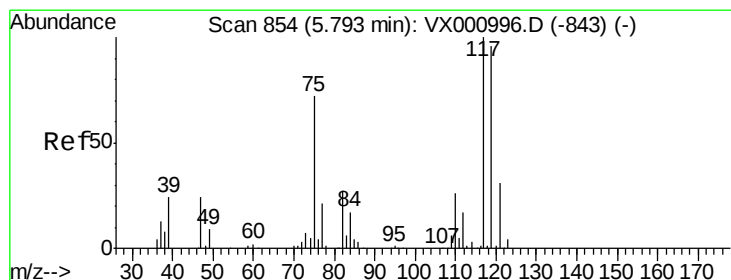
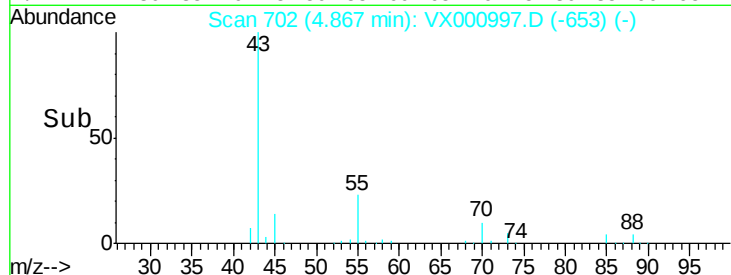
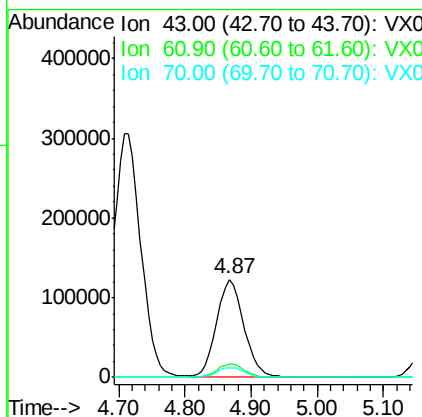
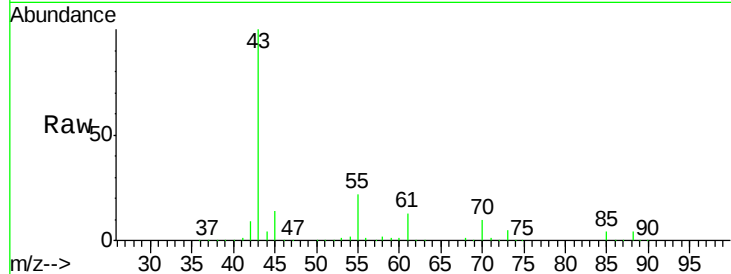
#37
Ethyl Acetate
Concen: 119.67 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	10.2	8.3	12.5

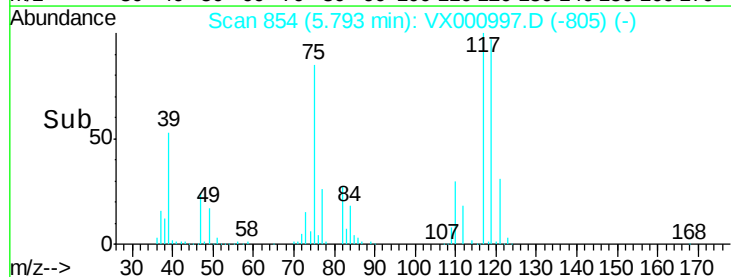
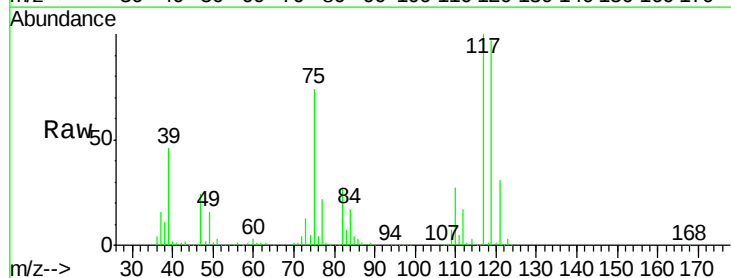
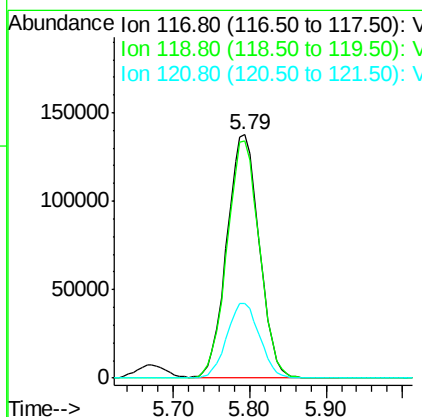
Manual Integrations
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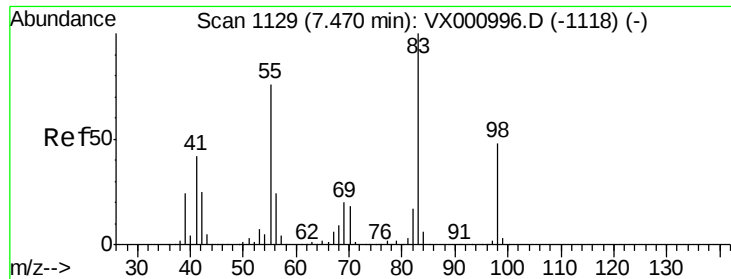
MMDadoda
4/20/2018 2:09:31 PM



#38
Carbon Tetrachloride
Concen: 122.79 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.5	114.7
121	30.8	24.5	36.7





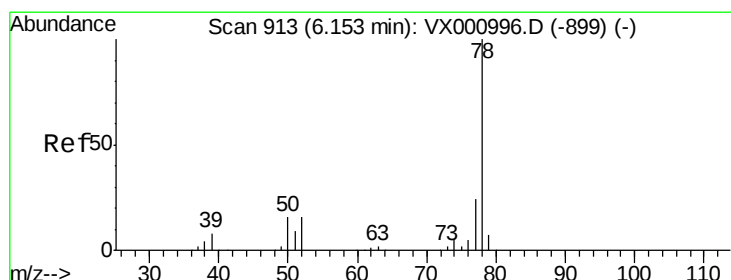
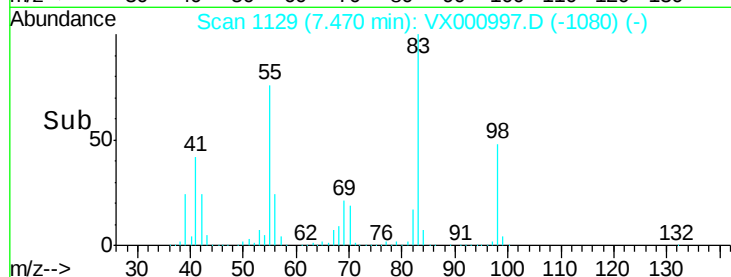
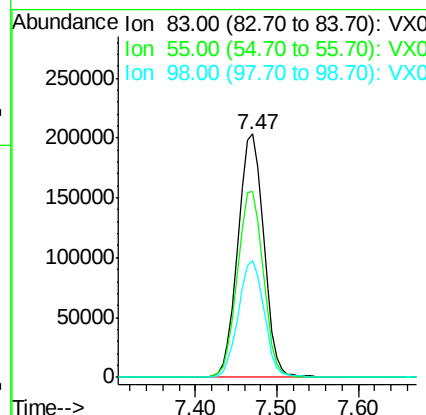
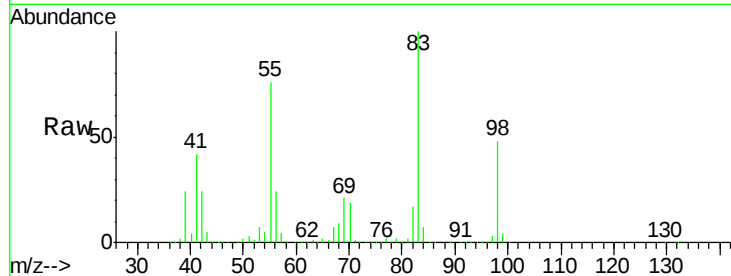
#39
Methvlcvclohexane
Concen: 117.95 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	83	Resp	444864
Ion Ratio	100	Lower	Upper
83	100		
55	76.3	60.6	91.0
98	47.8	38.2	57.4

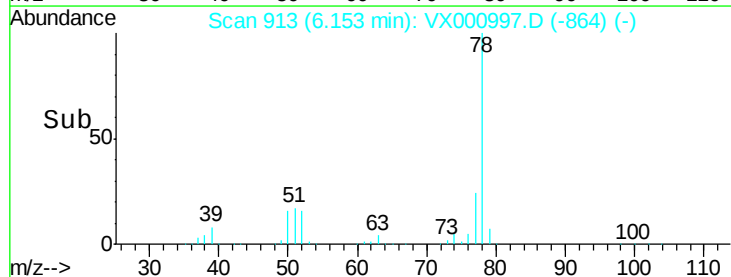
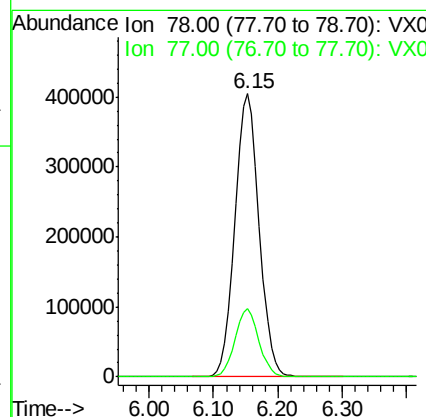
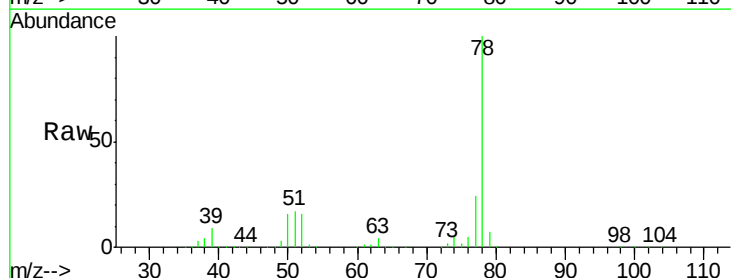
Manual Integrations
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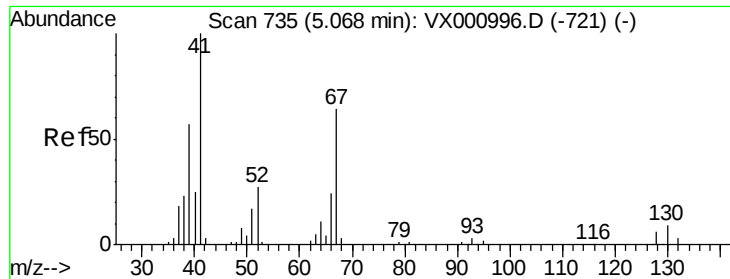
MMDadoda
4/20/2018 2:09:31 PM



#40
Benzene
Concen: 120.74 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion	78	Resp	1062903
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	18.9	28.3





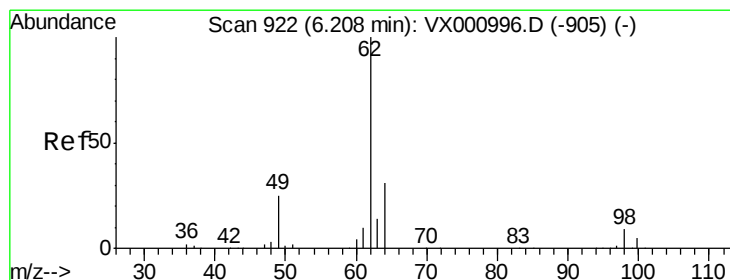
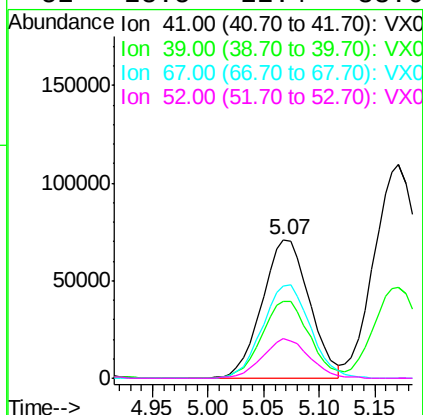
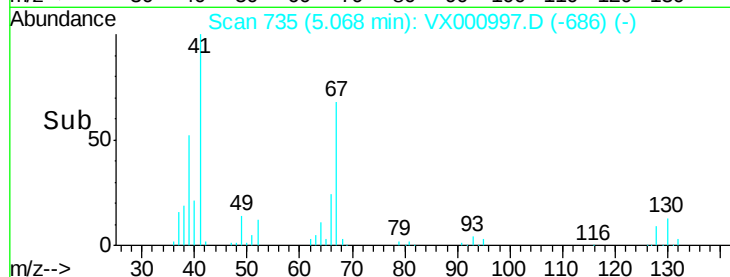
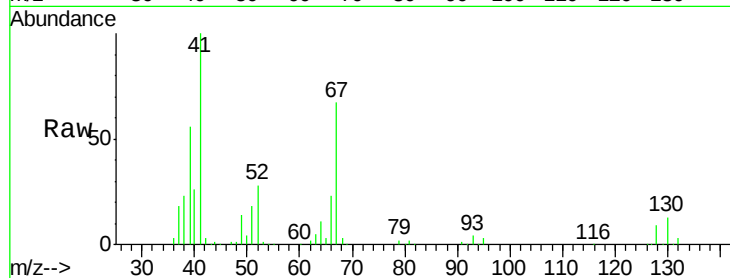
#41
Methacrylonitrile
Concen: 113.90 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	45.2	67.8	
67	68.2	53.8	80.8	
52	28.5	22.4	33.6	

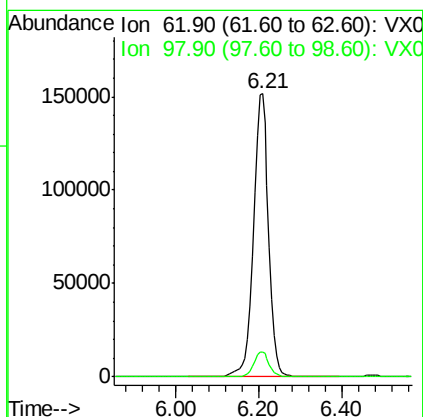
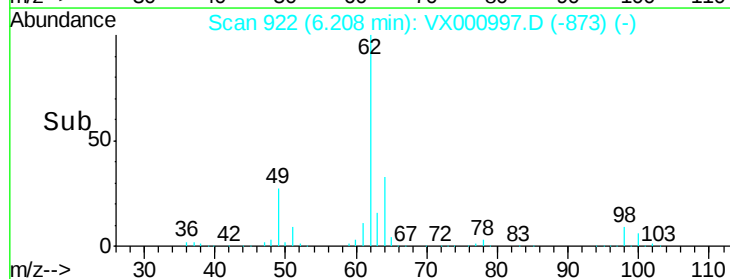
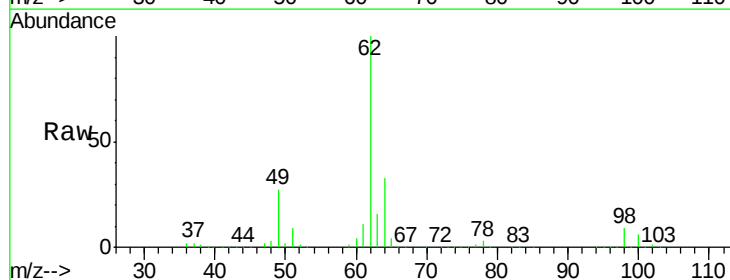
Manual Integrations
APPROVED

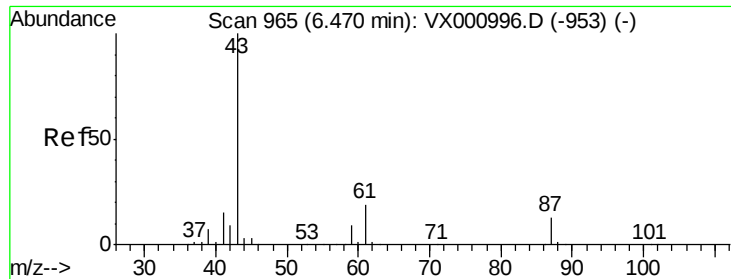
MMDadoda
4/20/2018 2:09:31 PM



#42
1,2-Dichloroethane
Concen: 116.05 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.6	





#43

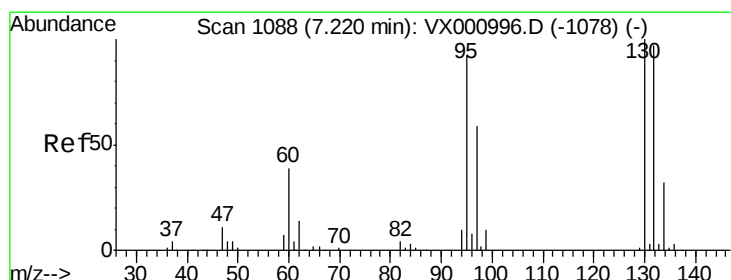
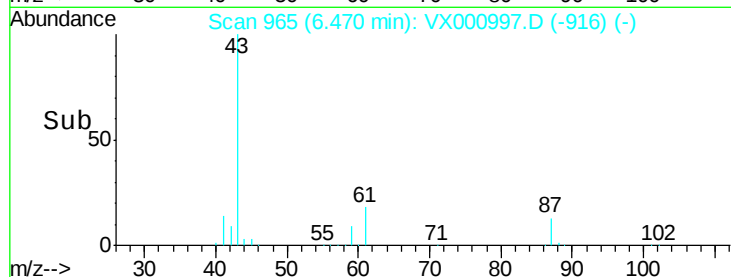
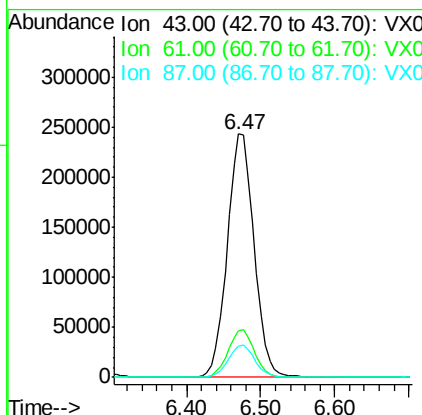
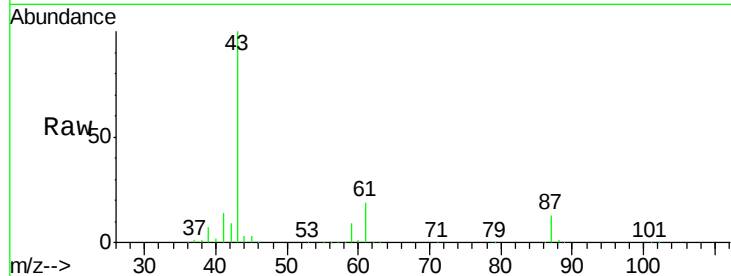
Isopropyl Acetate
 Concen: 122.85 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	13.2	10.6	15.8

Manual Integrations
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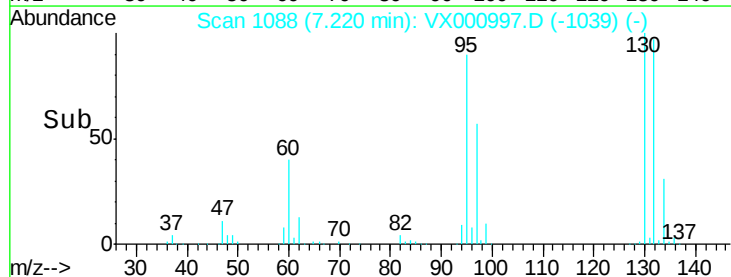
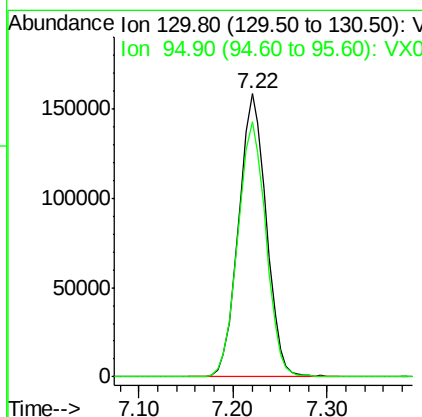
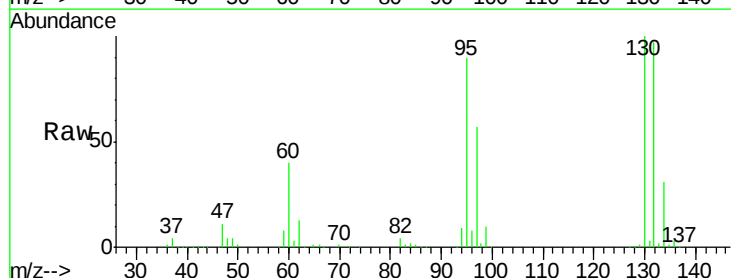
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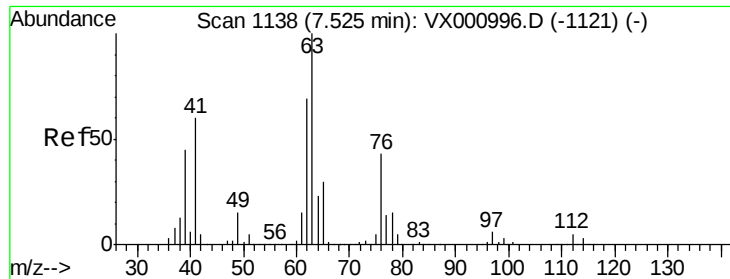


#44

Trichloroethene
 Concen: 116.82 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	184.2





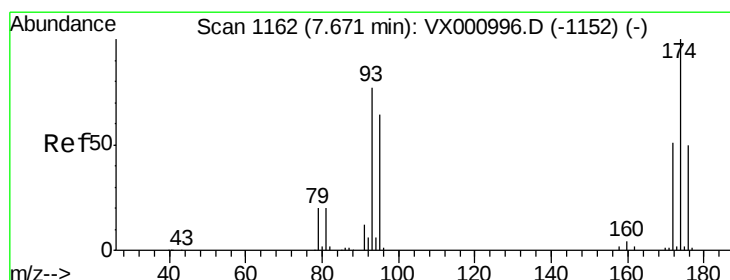
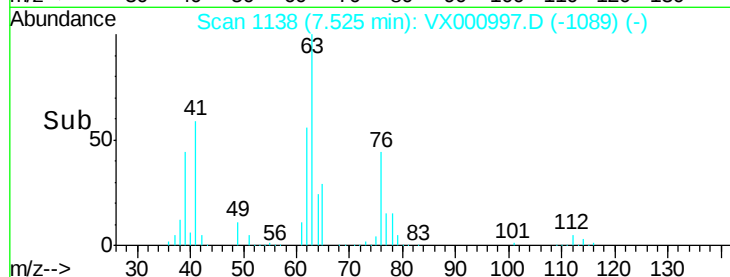
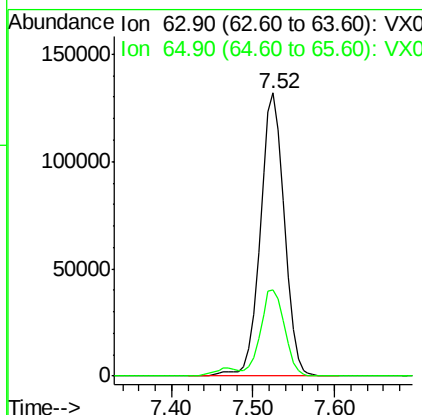
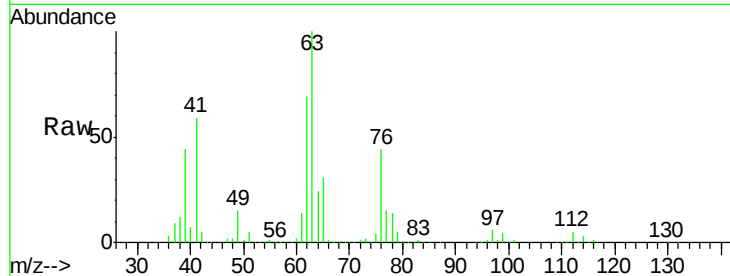
#45
 1,2-Dichloropropane
 Concen: 118.87 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 271997
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.4 36.6

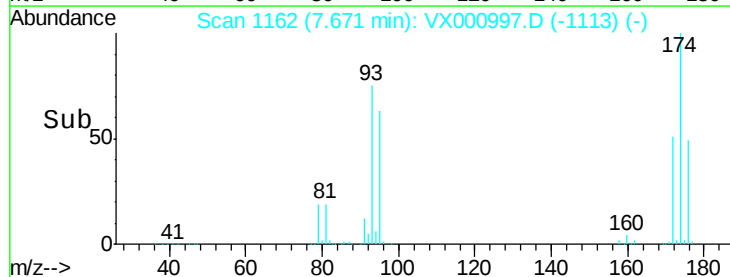
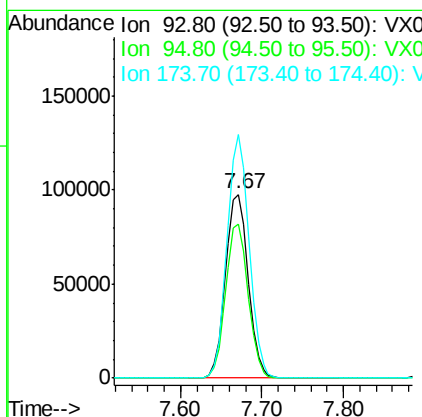
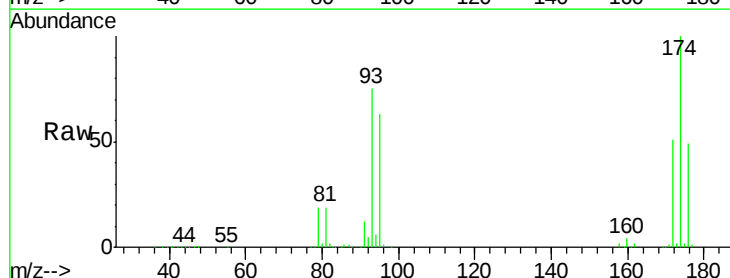
Manual Integrations
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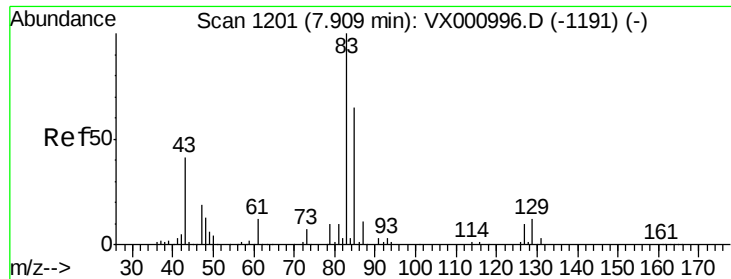
MMDadoda
 4/20/2018 2:09:31 PM



#46
 Dibromomethane
 Concen: 118.71 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Tgt Ion: 93 Resp: 187297
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 128.6 101.8 152.6





#47

Bromodichloromethane

Concen: 127.50 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 372562

Ion Ratio Lower Upper

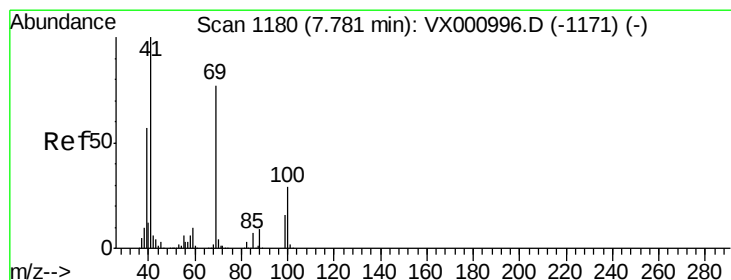
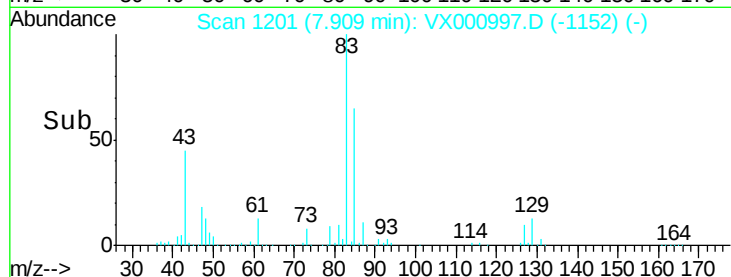
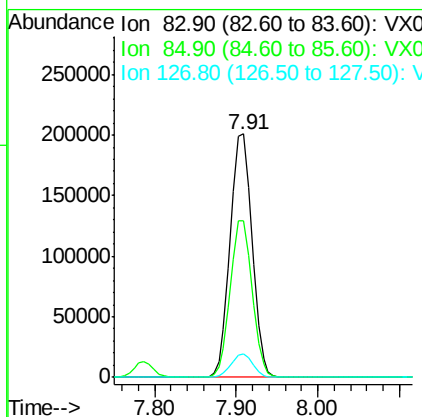
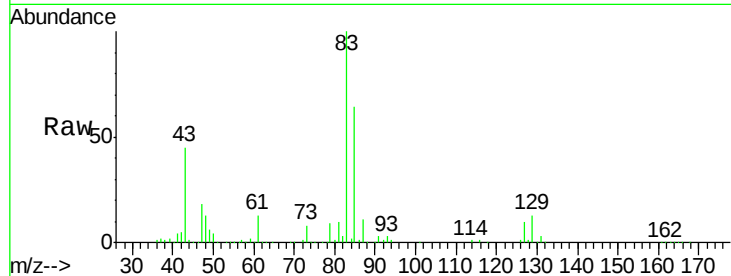
83 100

85 64.5 52.3 78.5

127 9.7 7.8 11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 117.03 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

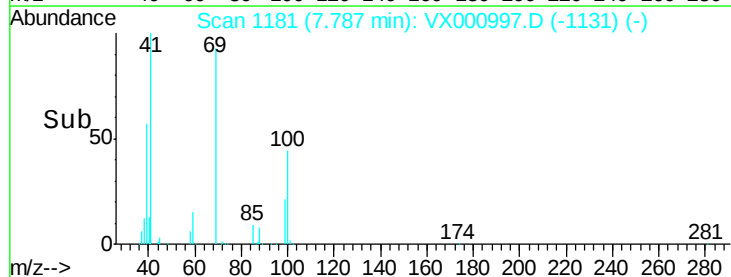
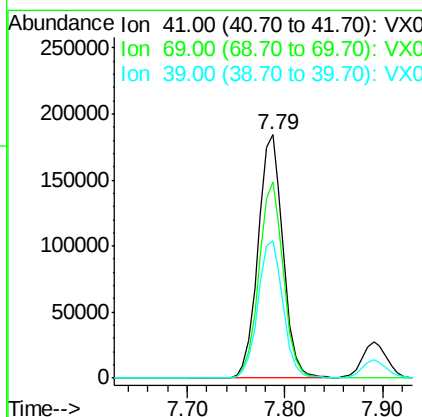
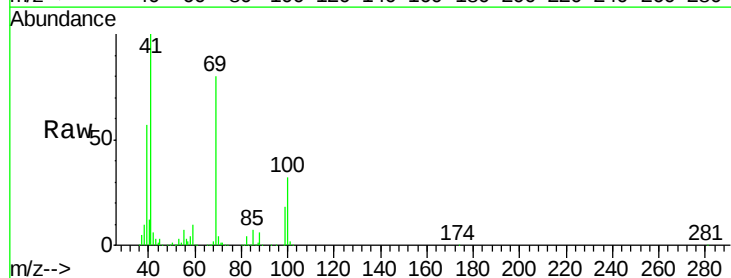
Tgt Ion: 41 Resp: 326661

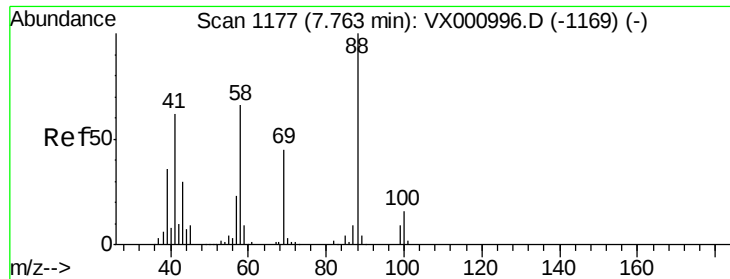
Ion Ratio Lower Upper

41 100

69 79.1 62.6 94.0

39 56.9 45.3 67.9





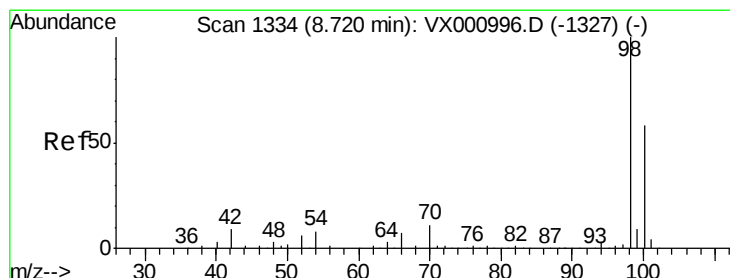
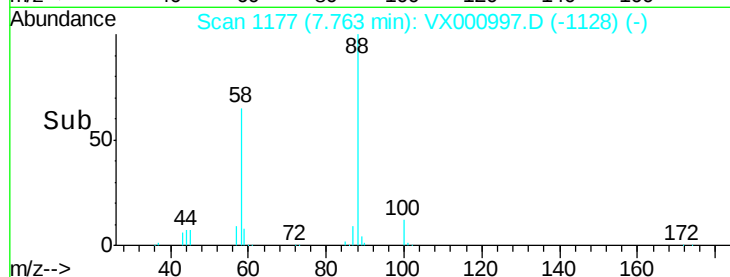
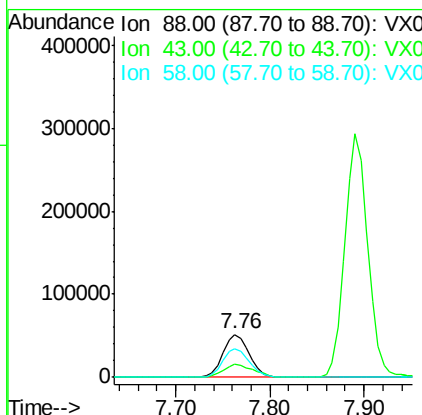
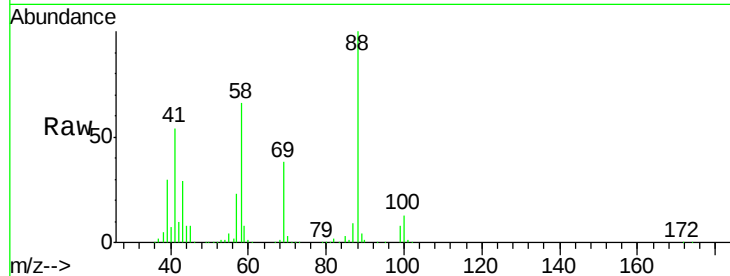
#49
 1,4-Dioxane
 Concen: 2599.80 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	29.2	43.8
58	69.4	55.0	82.6

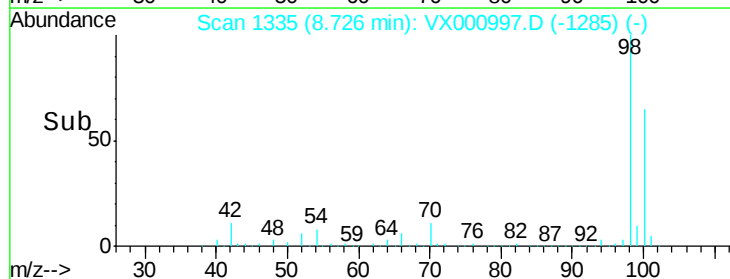
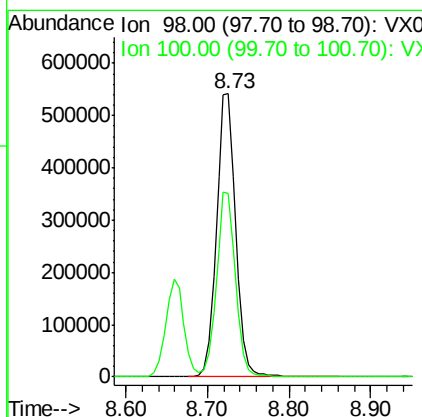
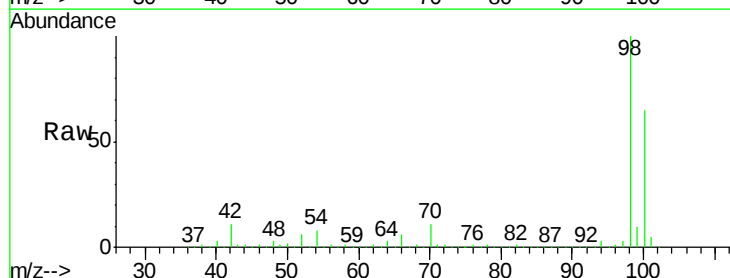
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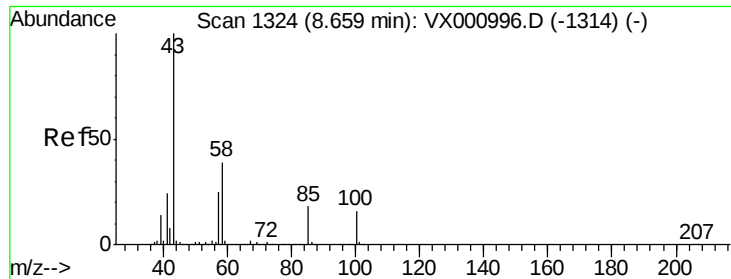
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#50
 Toluene-d8
 Concen: 107.21 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





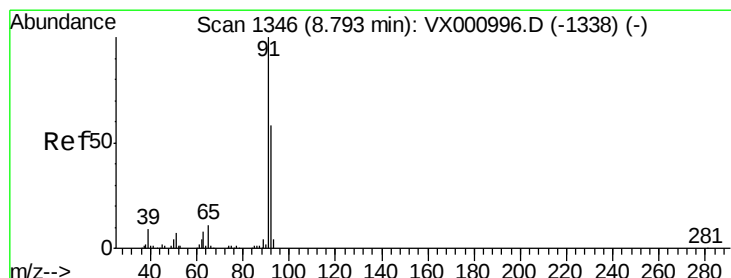
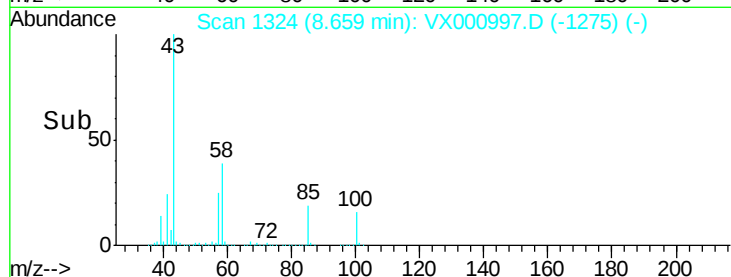
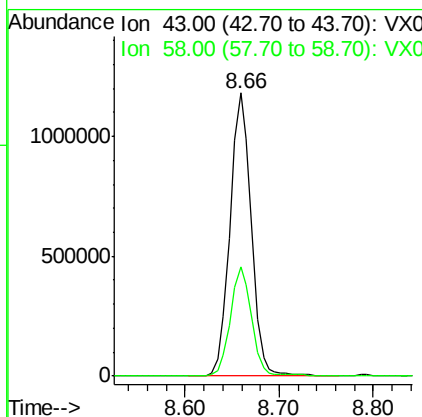
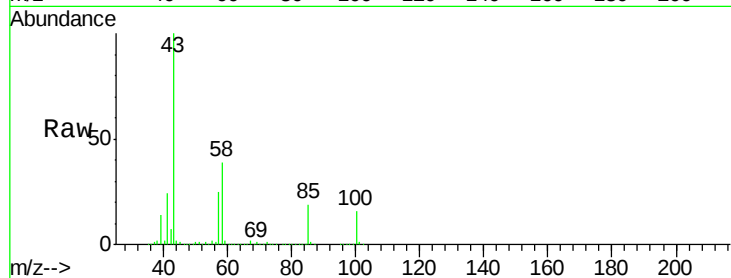
#51
4-Methyl-2-Pentanone
Concen: 614.07 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1851165
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.4

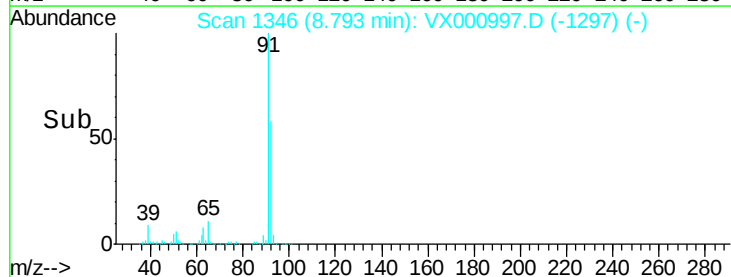
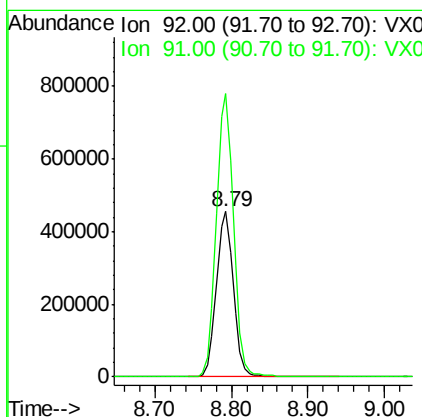
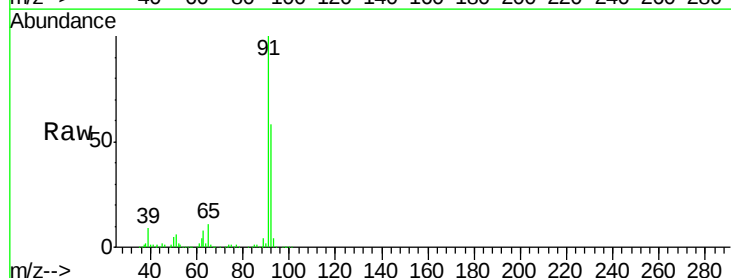
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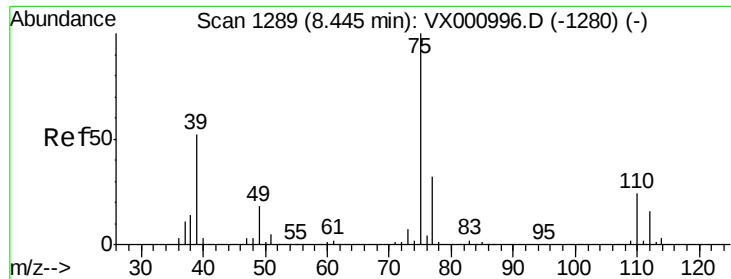
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#52
Toluene
Concen: 121.62 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion: 92 Resp: 702777
Ion Ratio Lower Upper
92 100
91 172.7 138.2 207.4





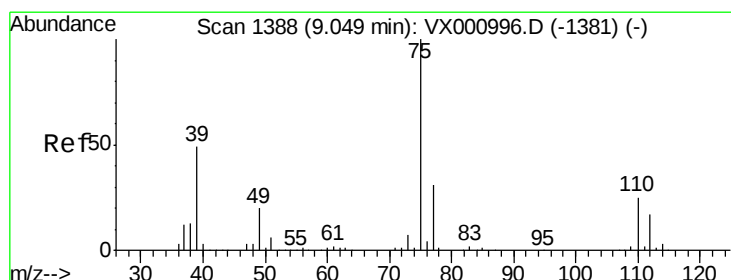
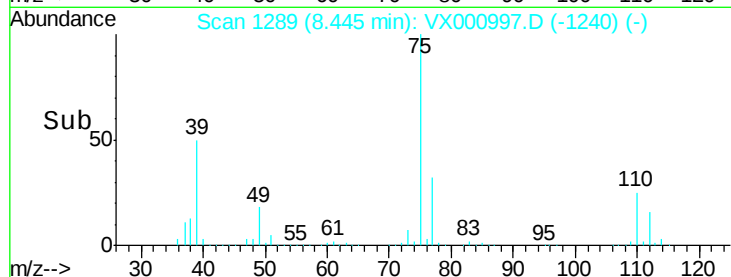
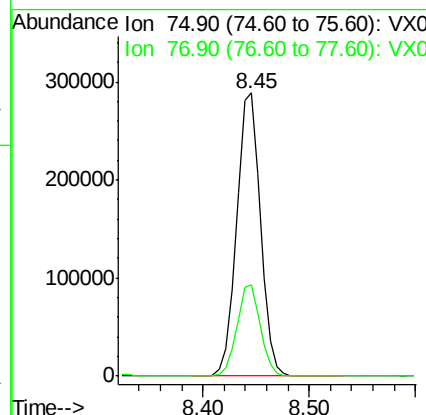
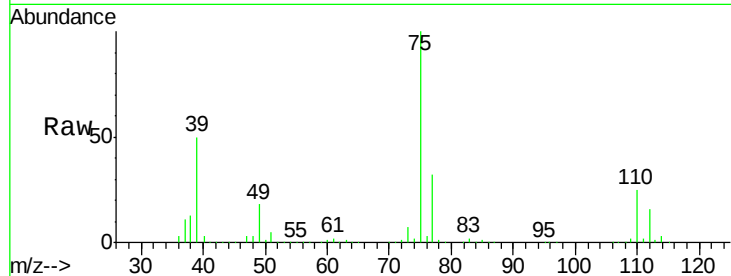
#53
t-1,3-Dichloropropene
Concen: 129.43 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 453900
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6

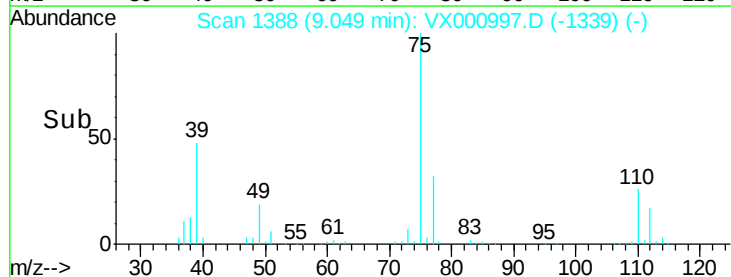
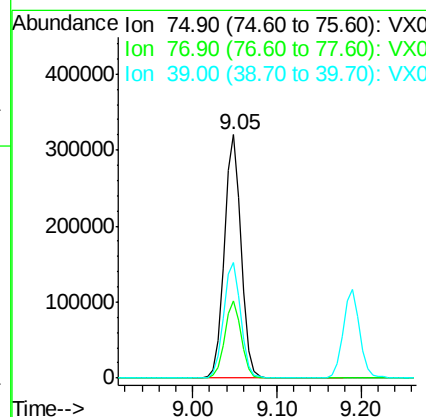
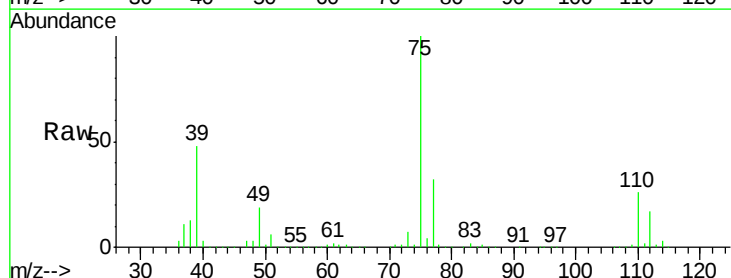
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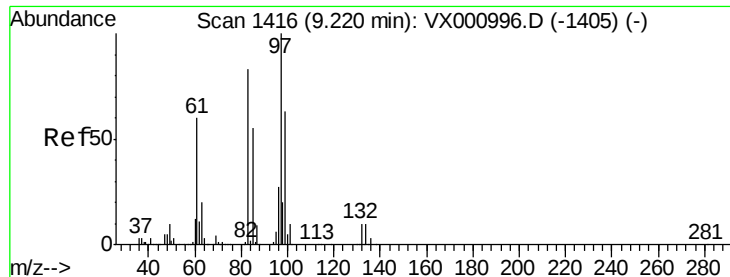
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#54
cis-1,3-Dichloropropene
Concen: 131.59 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion: 75 Resp: 440143
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6
39 47.7 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 123.94 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

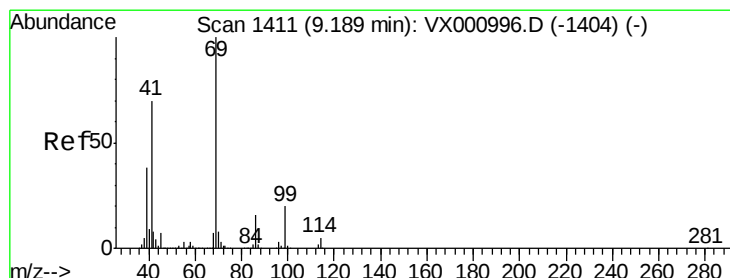
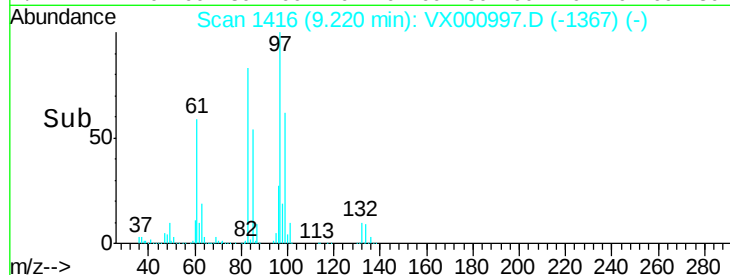
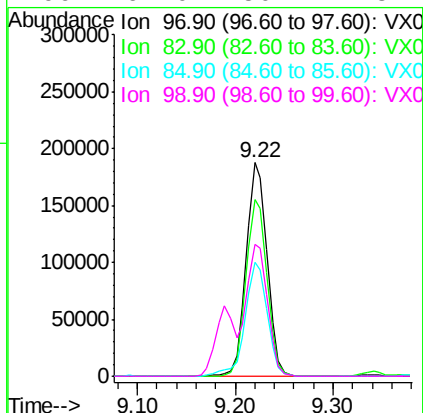
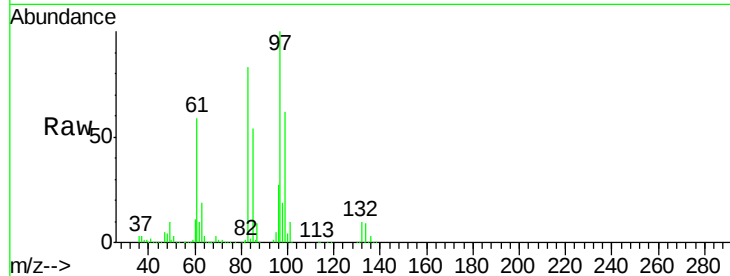
ClientSampleId :

VSTDICC100

Tot Ion	97	Resp	278581
Ion	Ratio	Lower	Upper
97	100		
83	82.8	66.2	99.4
85	53.6	44.2	66.4
99	62.0	50.2	75.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 125.46 ug/l

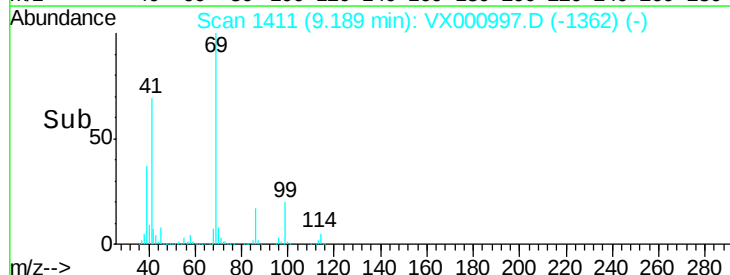
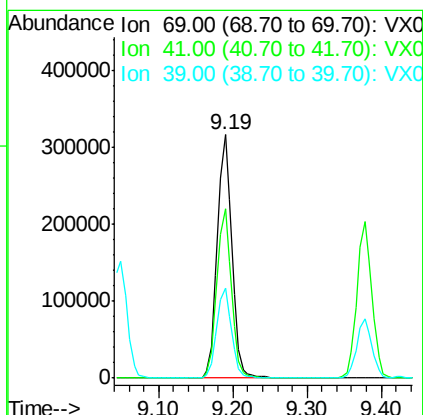
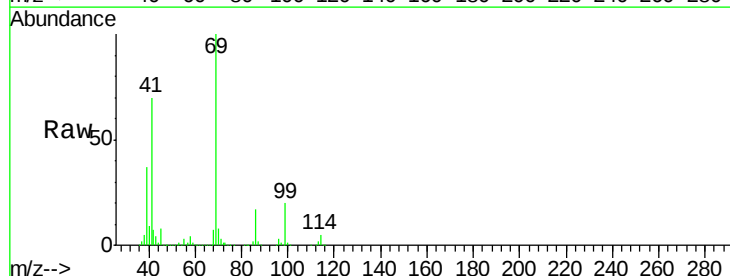
RT: 9.19 min Scan# 1411

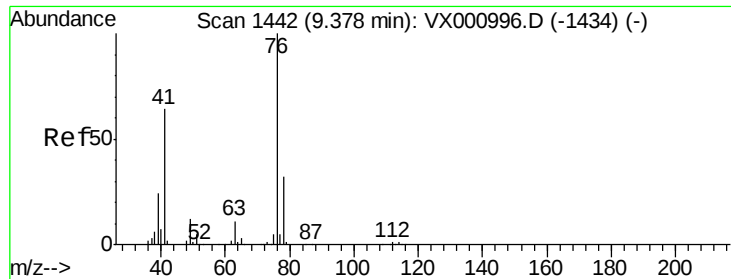
Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tgt Ion	69	Resp	427301
Ion	Ratio	Lower	Upper
69	100		
41	69.3	56.3	84.5
39	37.3	30.4	45.6





#57

1,3-Dichloropropane

Concen: 121.35 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 450828

Ion Ratio Lower Upper

76 100

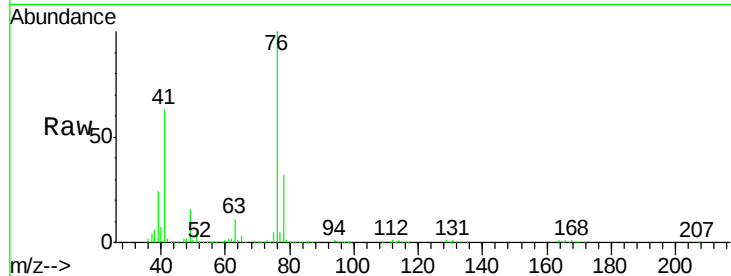
78 32.5 25.8 38.6

Manual Integrations

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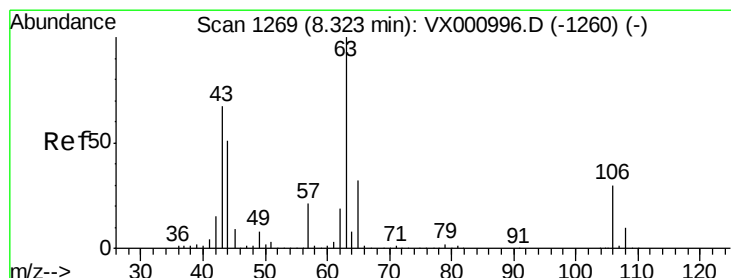
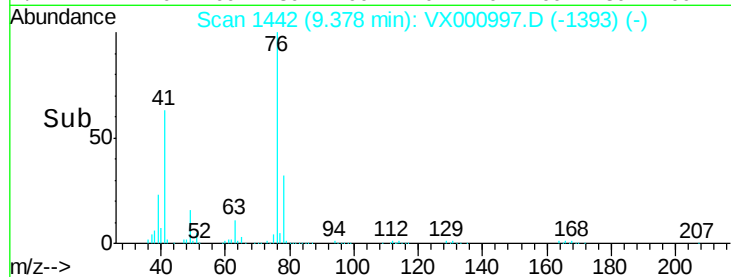
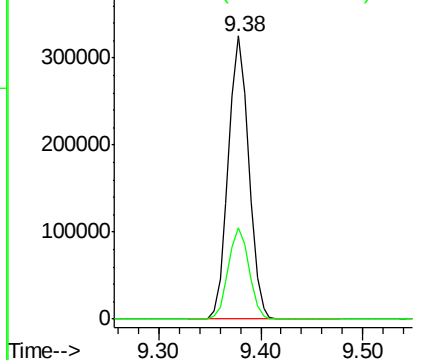
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 655.50 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000997.D

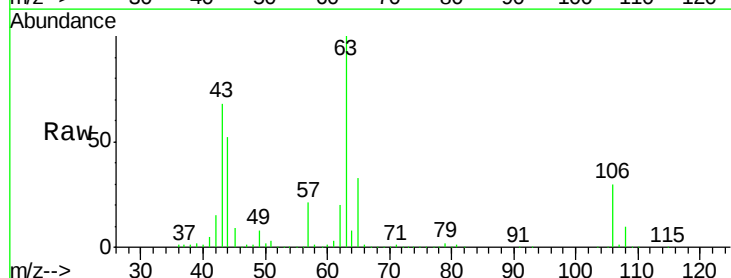
Acq: 19 Apr 2018 18:54

Tgt Ion: 63 Resp: 1017615

Ion Ratio Lower Upper

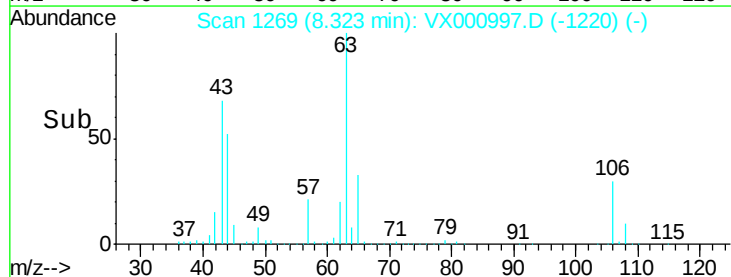
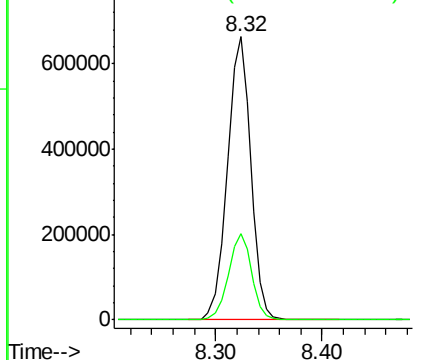
63 100

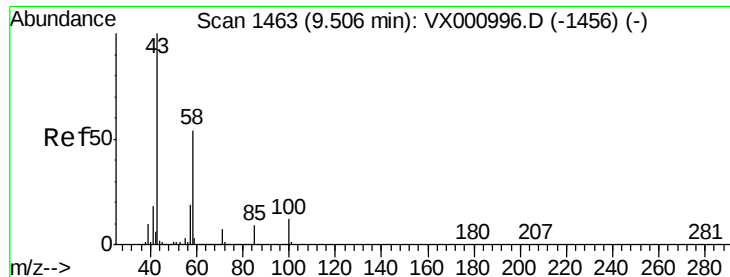
106 30.2 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





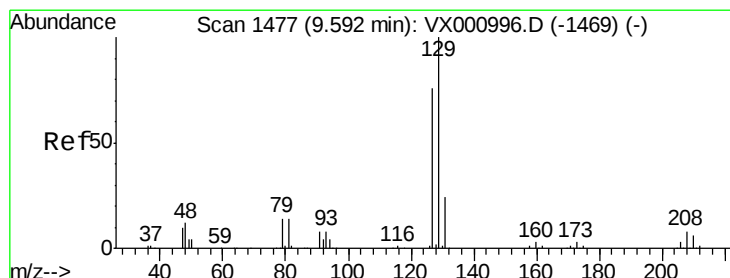
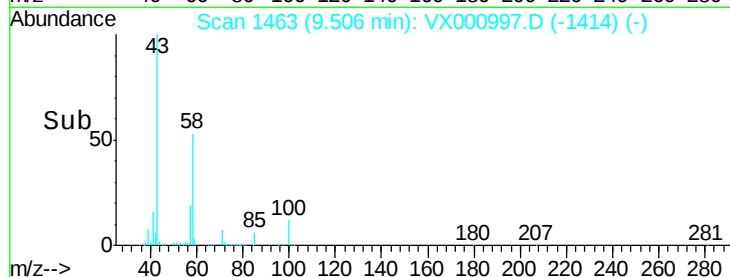
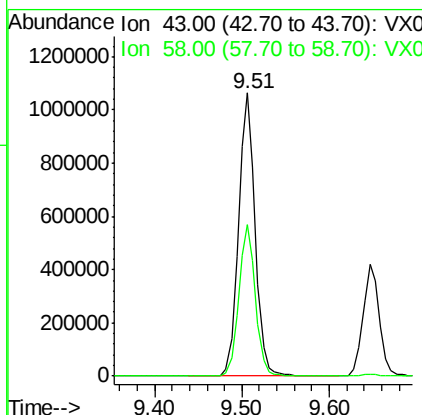
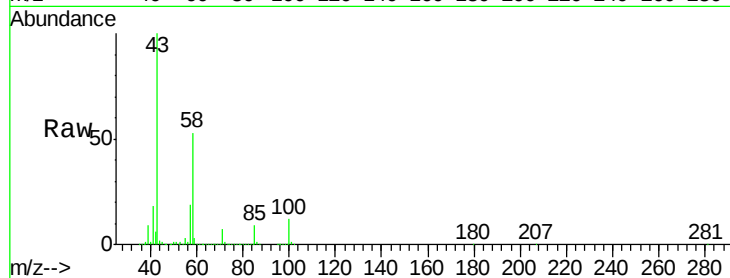
#59
2-Hexanone
Concen: 611.33 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1413324
Ion Ratio Lower Upper
43 100
58 53.5 26.3 78.9

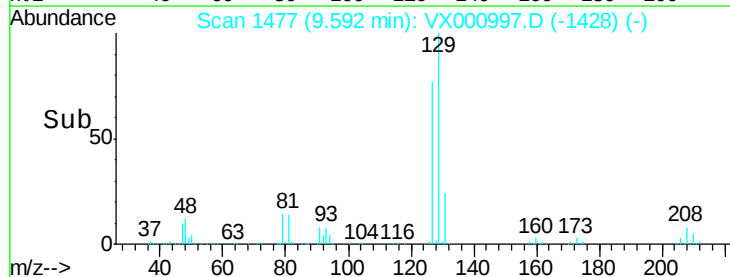
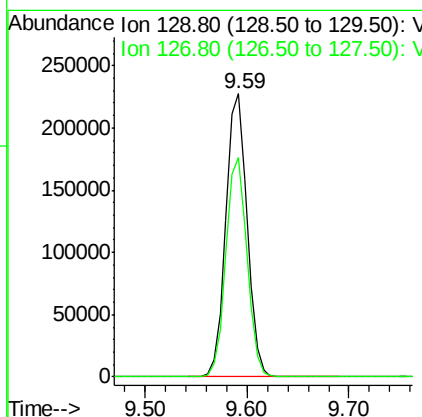
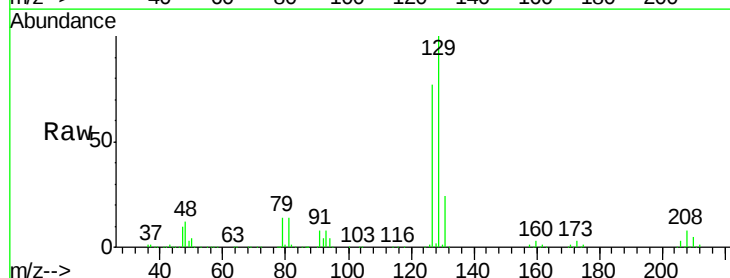
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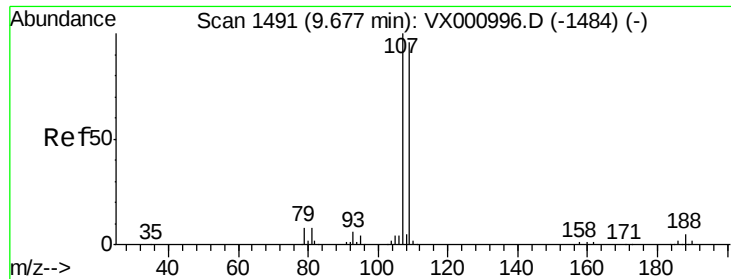
MMDadoda
4/20/2018 2:09:31 PM



#60
Dibromochloromethane
Concen: 132.01 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion: 129 Resp: 327216
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 123.63 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:107 Resp: 300296

Ion Ratio Lower Upper

107 100

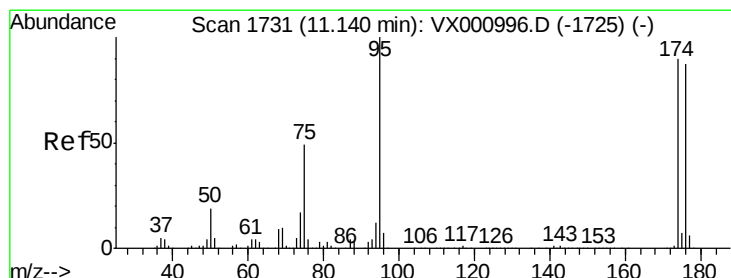
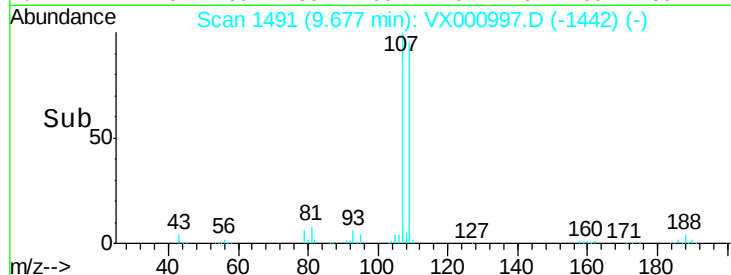
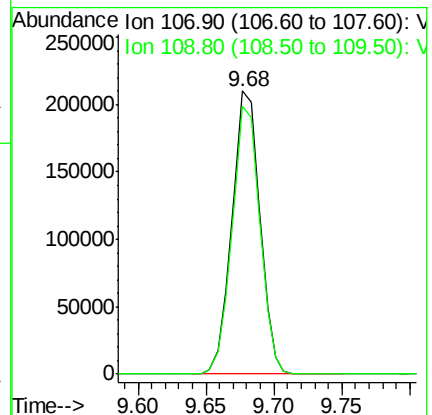
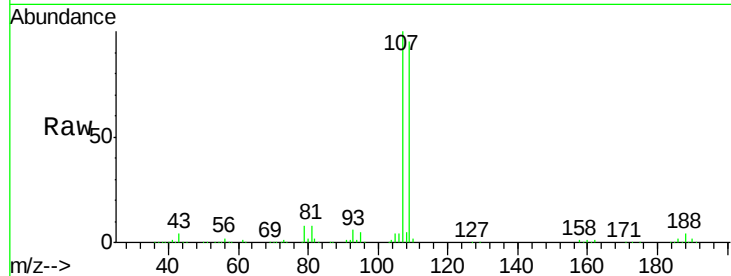
109 94.8 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 107.79 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

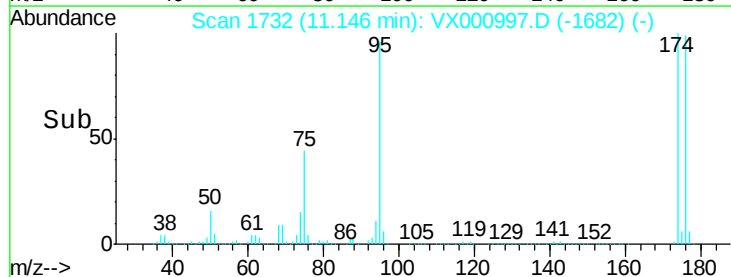
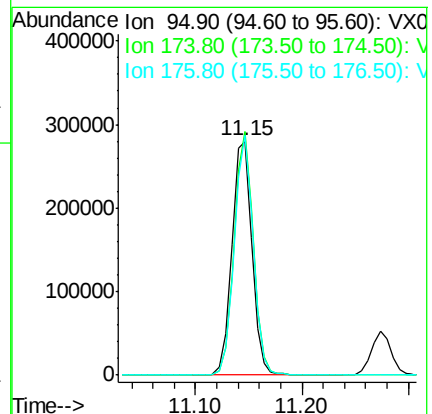
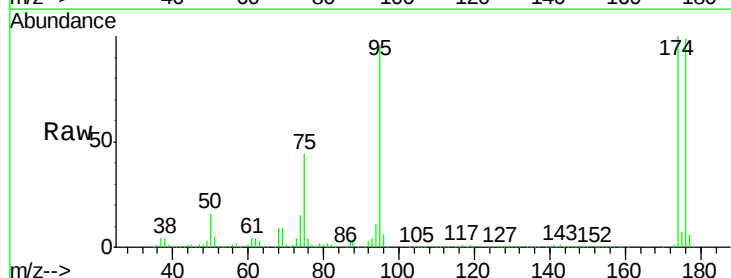
Tgt Ion: 95 Resp: 371066

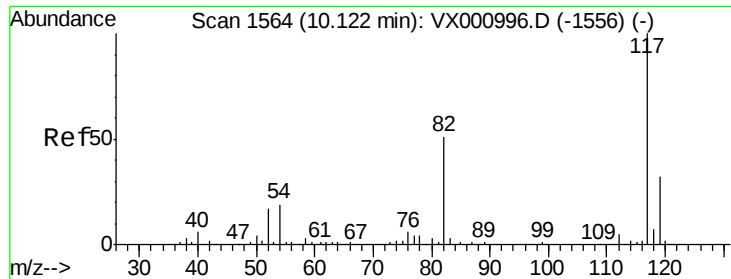
Ion Ratio Lower Upper

95 100

174 99.3 0.0 198.4

176 97.0 0.0 192.0





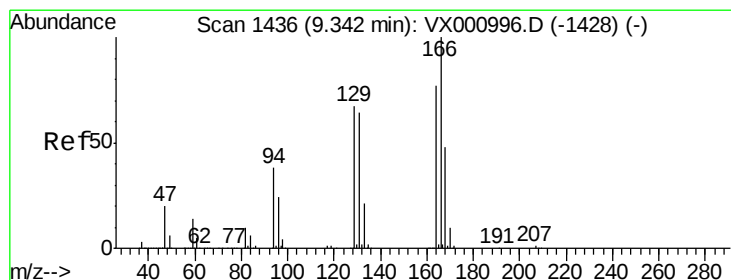
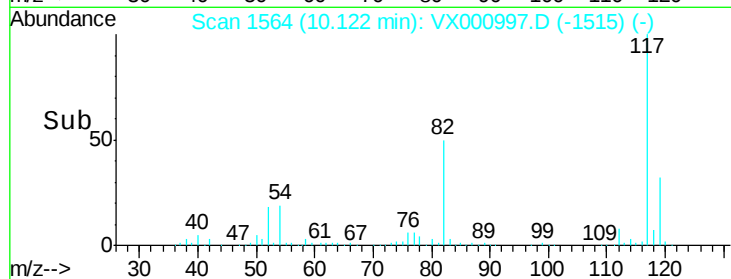
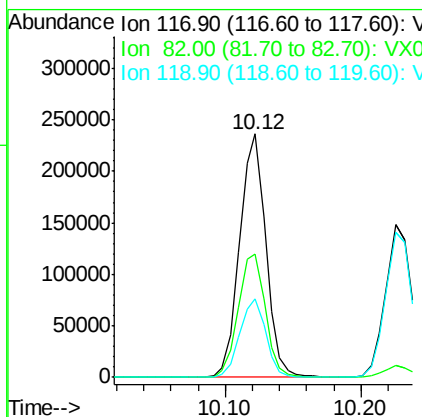
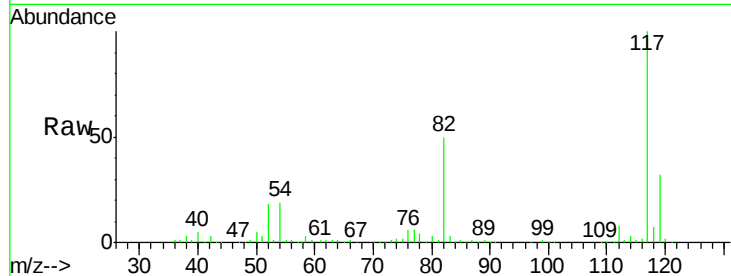
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	40.6	60.8
119	32.1	26.0	39.0

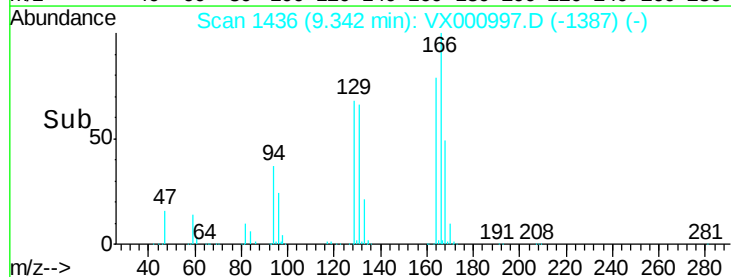
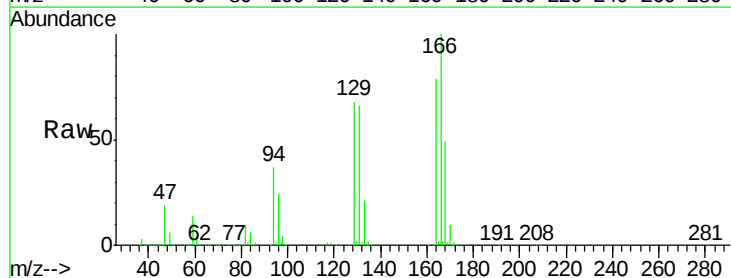
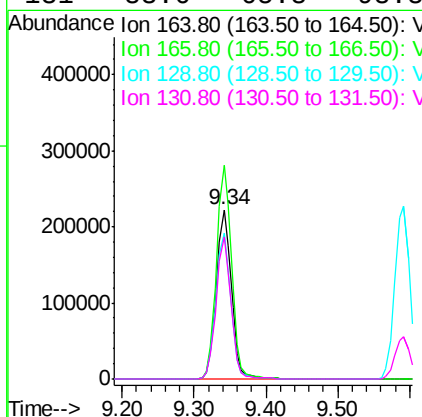
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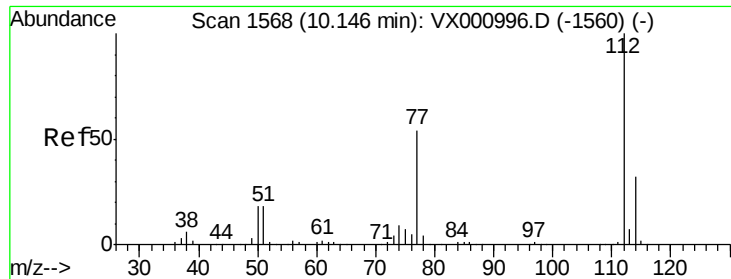
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#64
Tetrachloroethene
Concen: 114.09 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.5	155.3
129	86.0	69.6	104.4
131	83.6	65.8	98.8





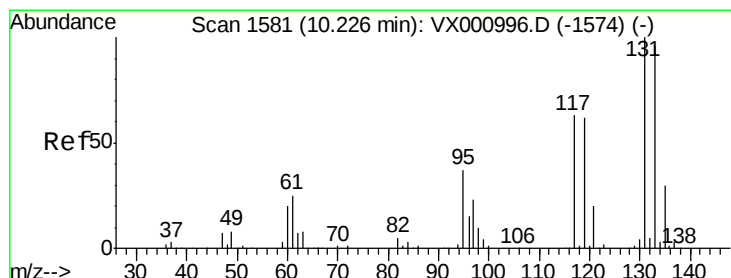
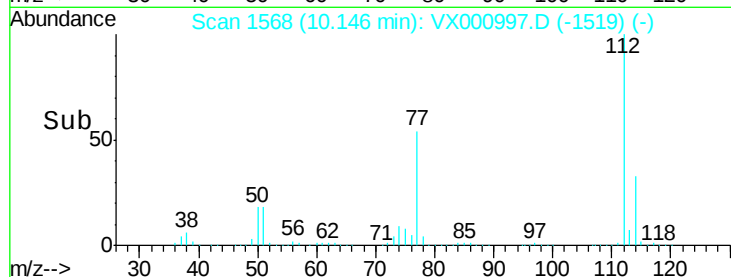
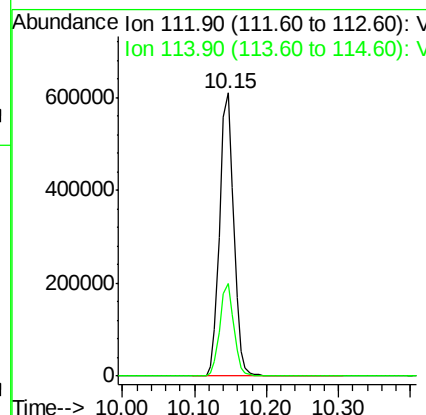
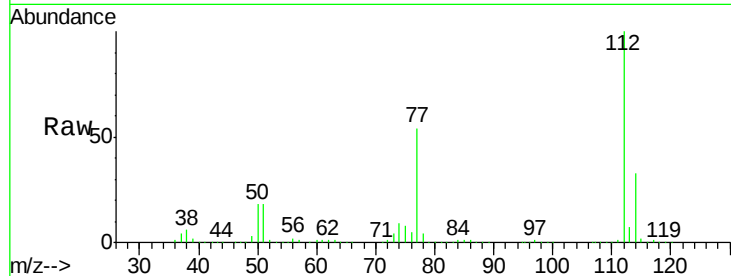
#65
Chlorobenzene
Concen: 118.08 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 825118
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3

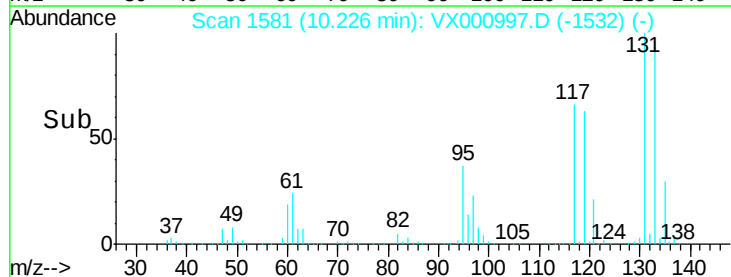
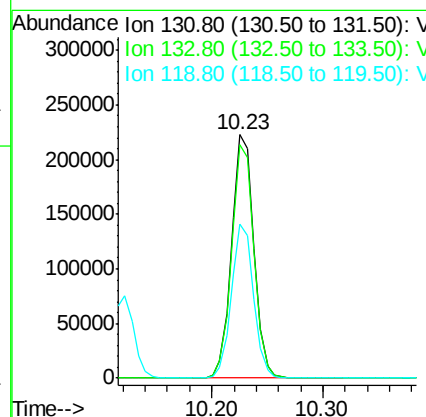
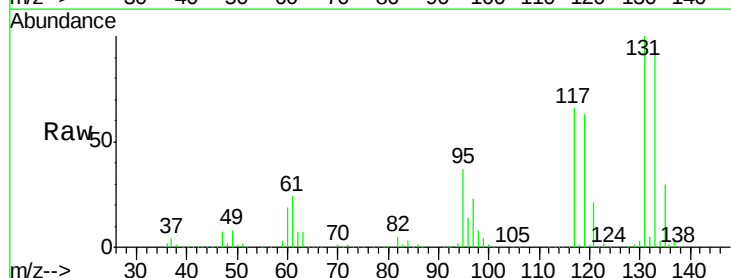
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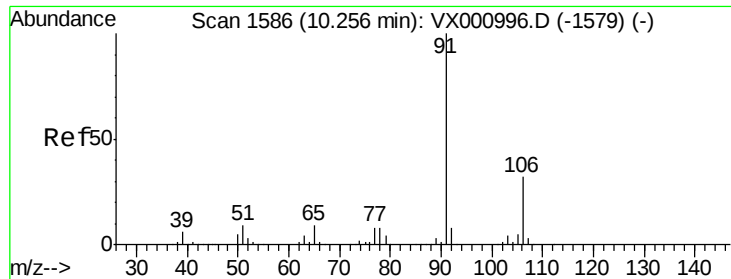
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#66
1,1,1,2-Tetrachloroethane
Concen: 126.18 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion:131 Resp: 306663
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.8
119 62.8 31.1 93.2





#67

Ethyl Benzene

Concen: 120.77 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1383173

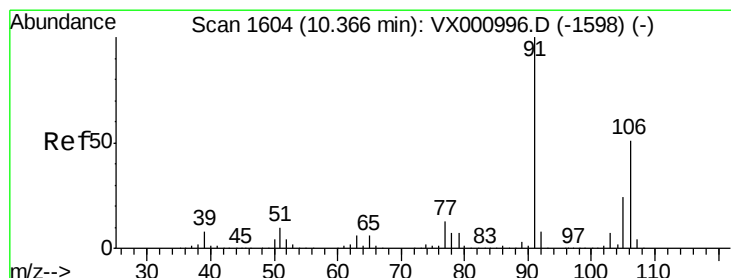
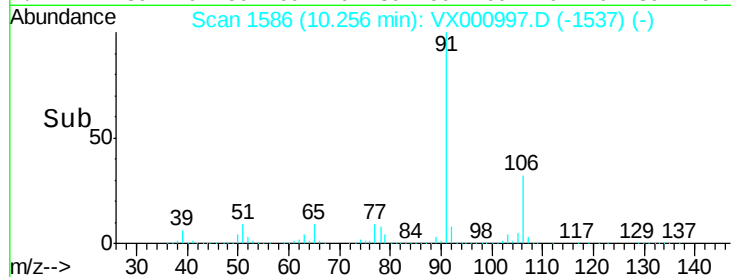
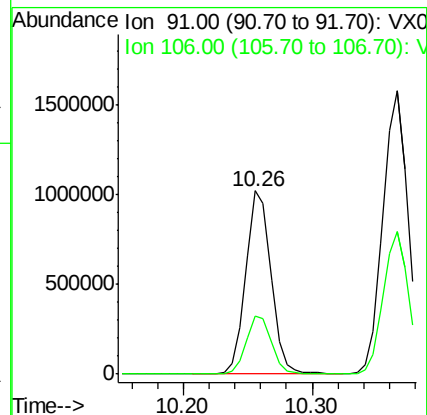
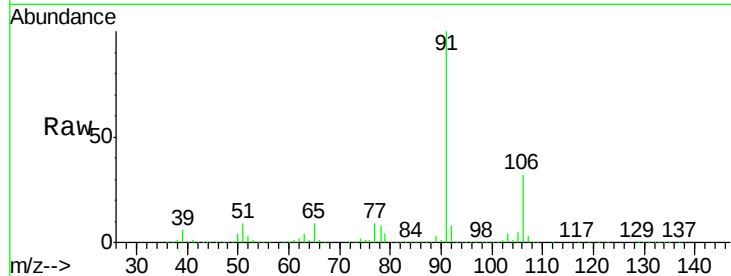
Ion Ratio Lower Upper

91 100

106 32.1 25.7 38.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 239.87 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000997.D

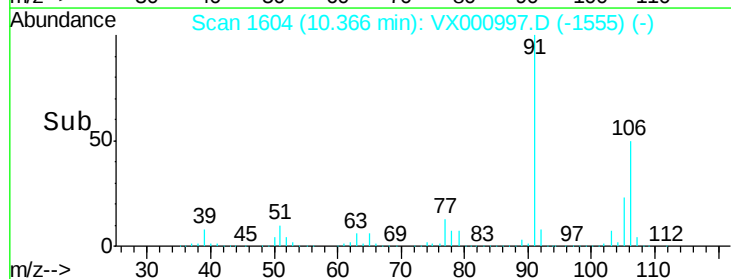
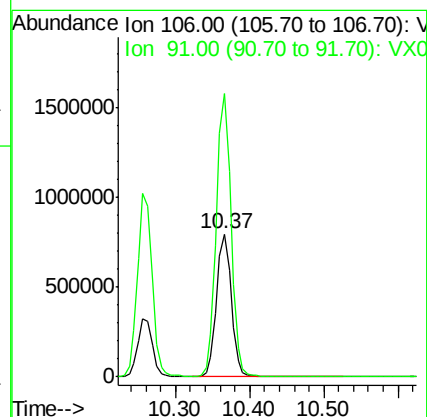
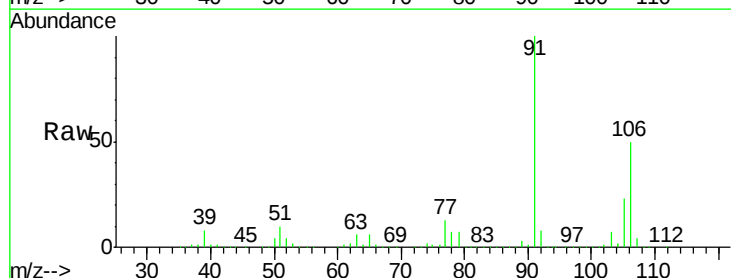
Acq: 19 Apr 2018 18:54

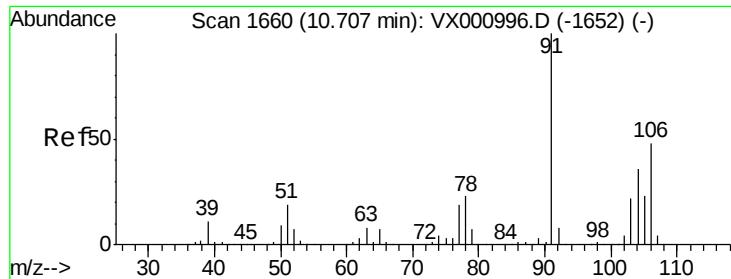
Tgt Ion: 106 Resp: 1089036

Ion Ratio Lower Upper

106 100

91 198.5 159.3 238.9





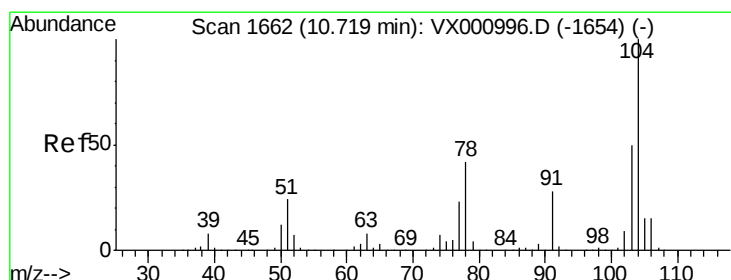
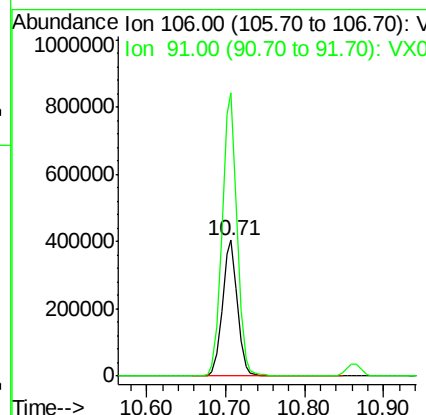
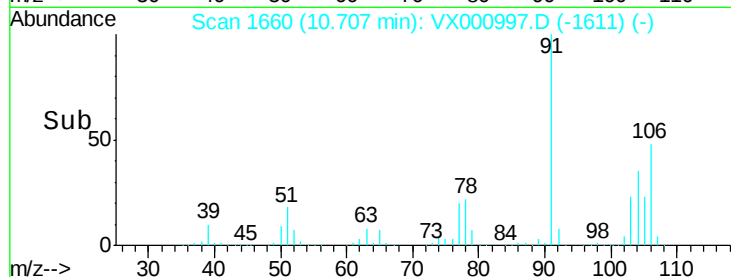
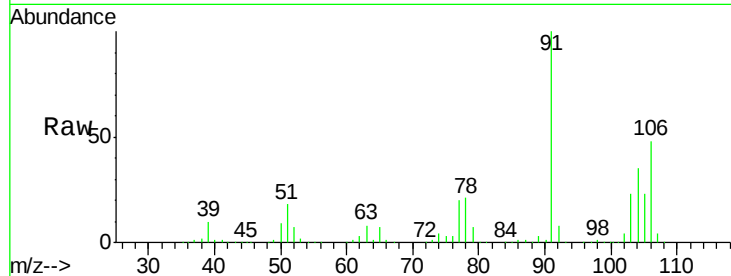
#69
o-Xylene
Concen: 120.16 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 531004
Ion Ratio Lower Upper
106 100
91 209.1 105.1 315.1

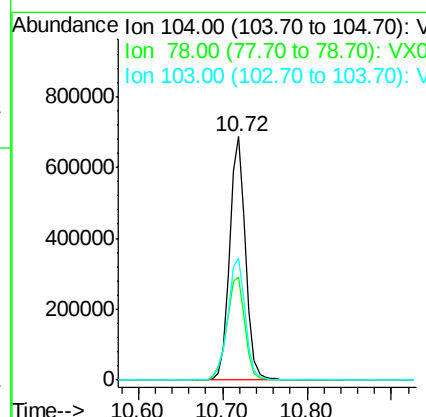
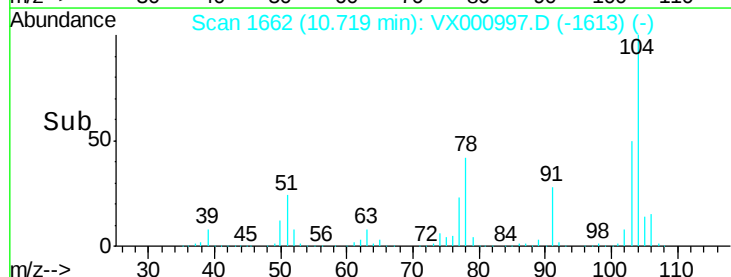
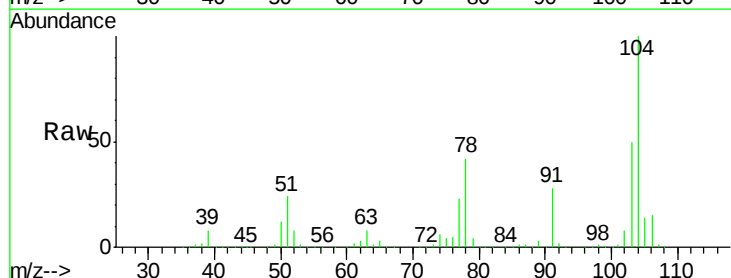
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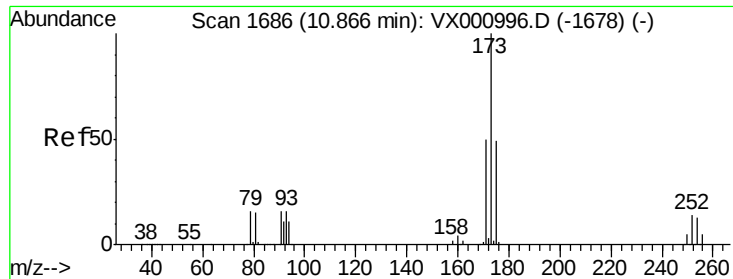
MMDadoda
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#70
Styrene
Concen: 122.39 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000997.D
Acq: 19 Apr 2018 18:54

Tgt Ion:104 Resp: 894891
Ion Ratio Lower Upper
104 100
78 48.5 39.4 59.2
103 55.4 44.2 66.2





#71

Bromoform

Concen: 133.46 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

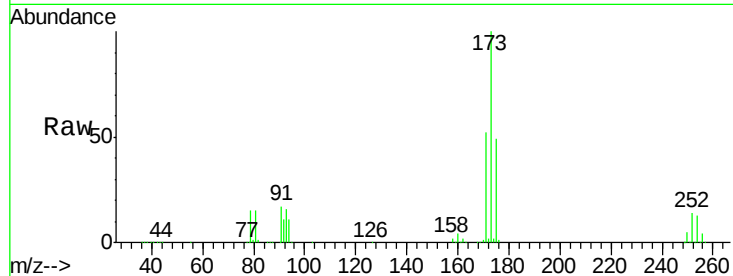
ClientSampleId :

VSTDICC100

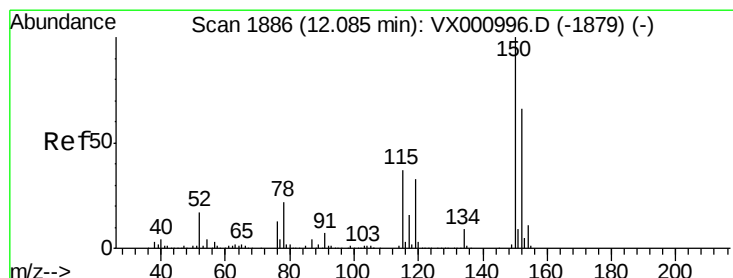
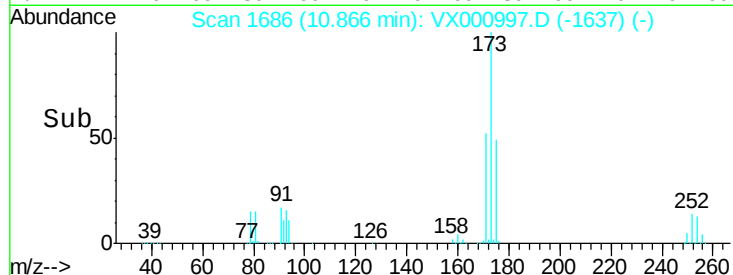
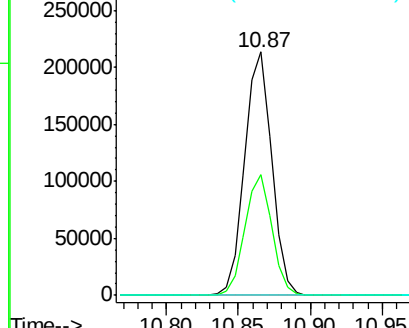
Tot Ion:	173	Resp:	278759
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.8	74.3
254	0.2	0.2	0.2

Manual Integrations
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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

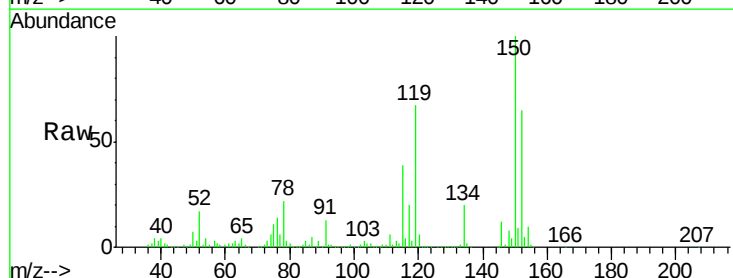
RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

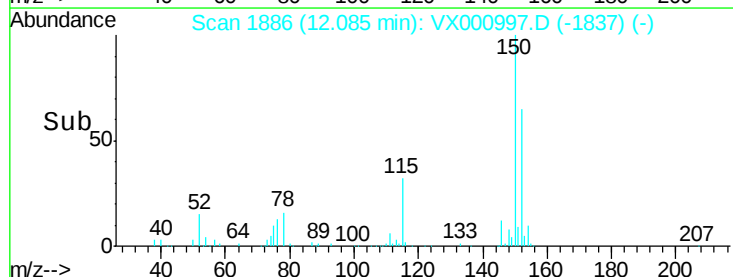
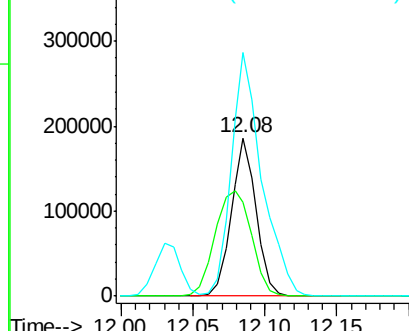
Lab File: VX000997.D

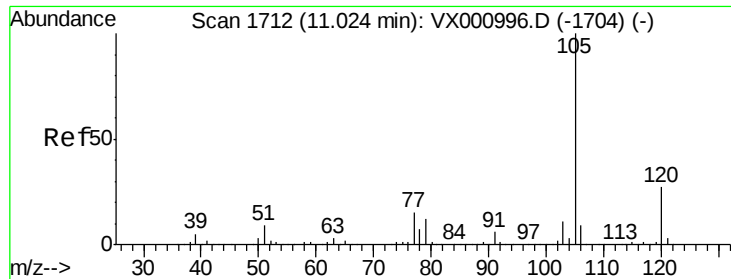
Acq: 19 Apr 2018 18:54

Tgt Ion:	152	Resp:	223294
Ion Ratio	Lower	Upper	
152	100		
115	98.1	38.2	114.6
150	191.1	0.0	350.4



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: 115.48 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion:105 Resp: 1417562

Ion Ratio Lower Upper

105 100

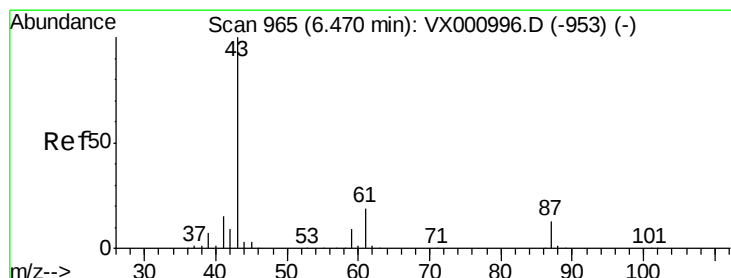
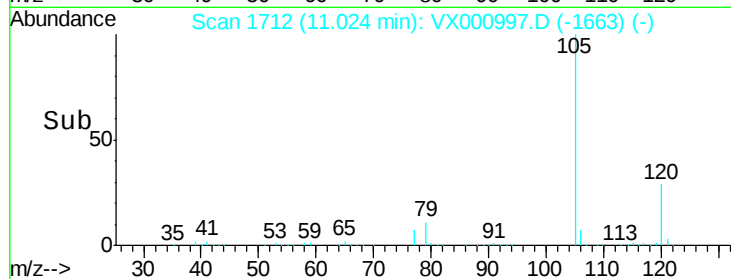
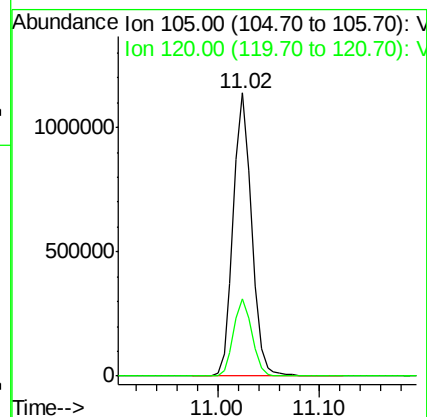
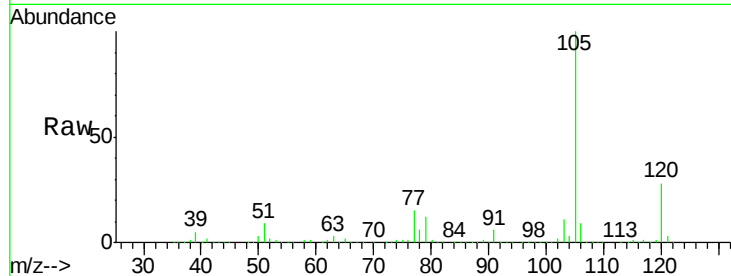
120 27.7 13.4 40.2

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#74

N-ethyl acetate

Concen: 119.22 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tgt Ion: 43 Resp: 610988

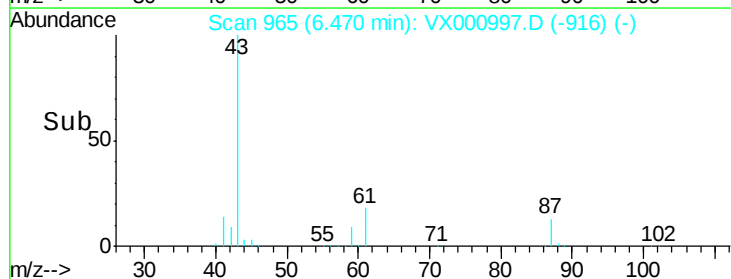
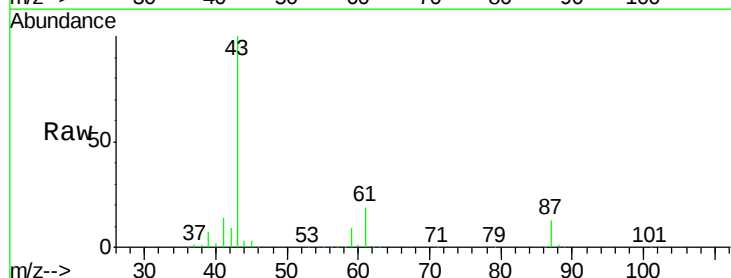
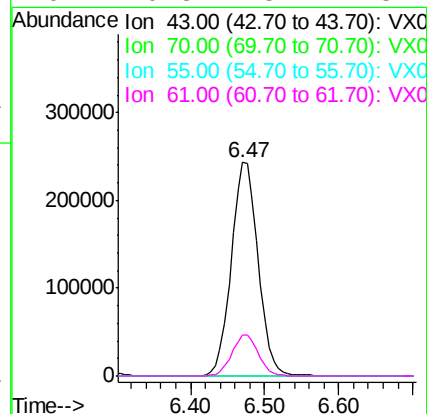
Ion Ratio Lower Upper

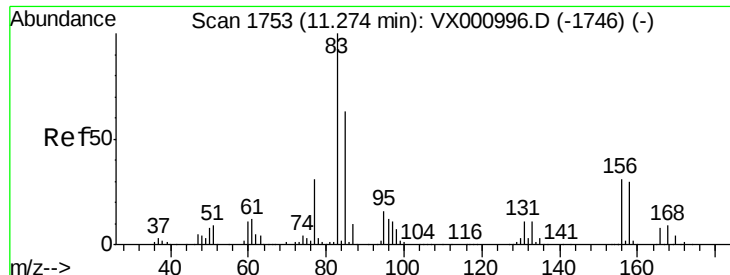
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.3 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 120.80 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 418489

Ion Ratio Lower Upper

83 100

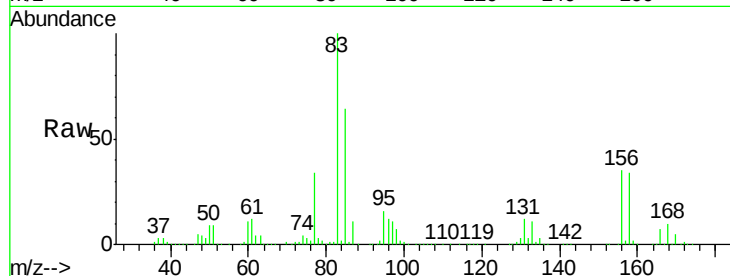
131 11.6 5.8 17.4

85 64.5 32.0 96.2

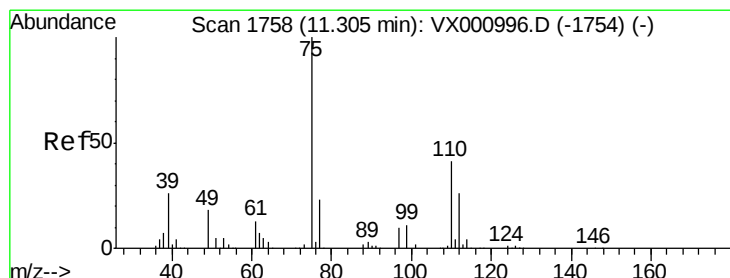
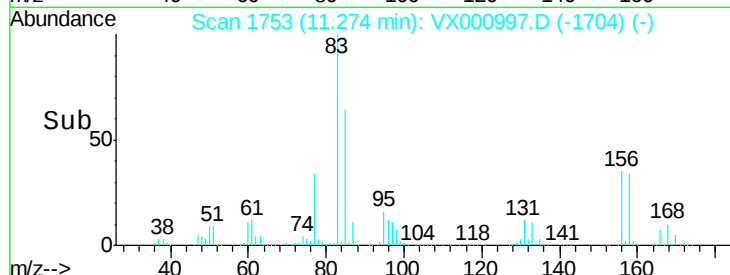
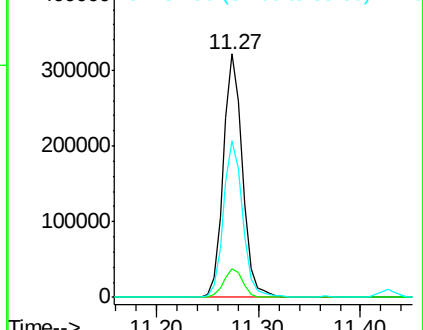
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 99.32 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000997.D

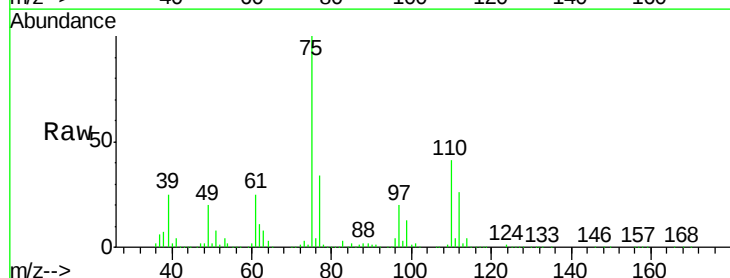
Acq: 19 Apr 2018 18:54

Tgt Ion: 75 Resp: 378793

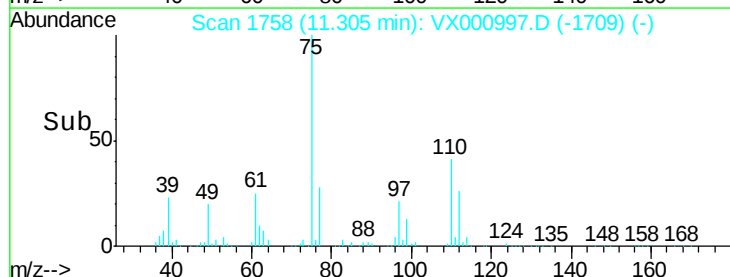
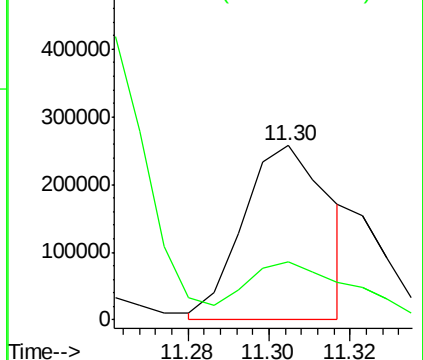
Ion Ratio Lower Upper

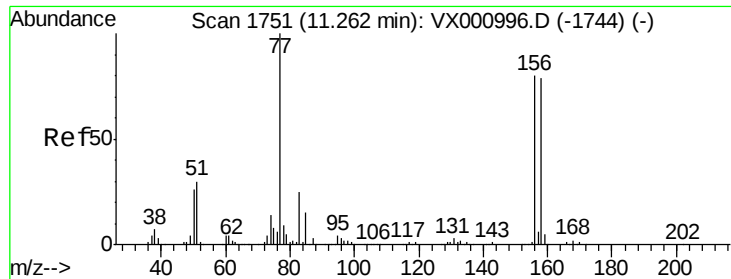
75 100

77 41.2 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 115.75 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

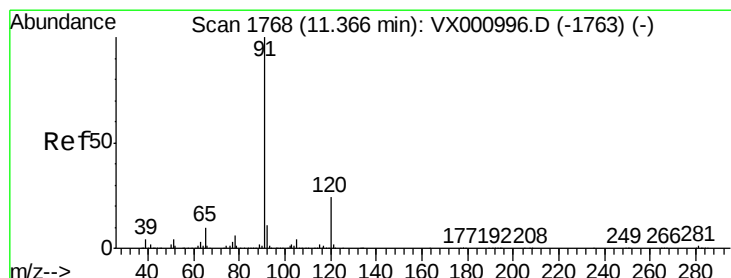
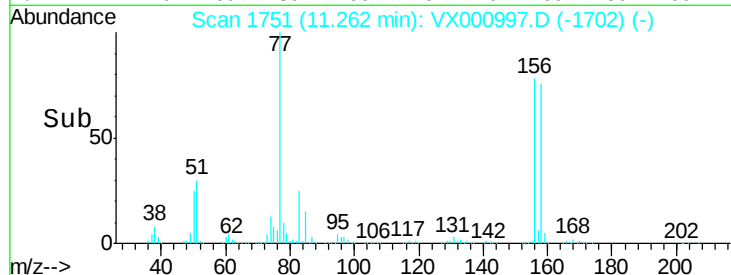
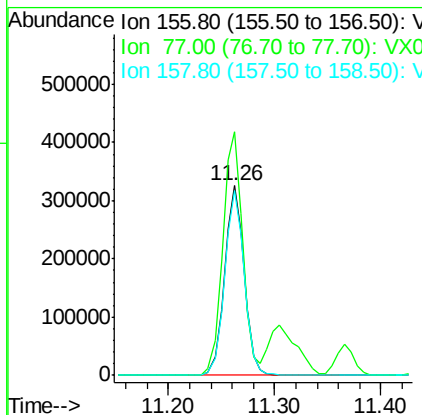
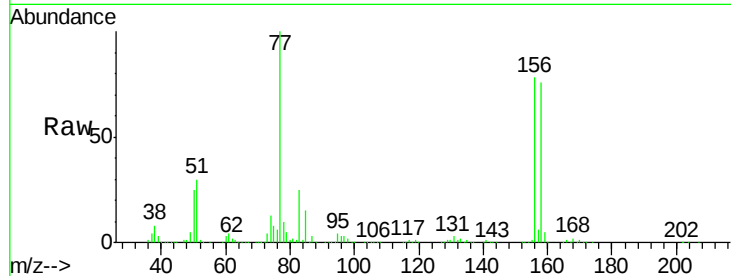
ClientSampled :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		415687		
77	131.8	66.3	199.0		
158	97.5	48.9	146.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 113.68 ug/l

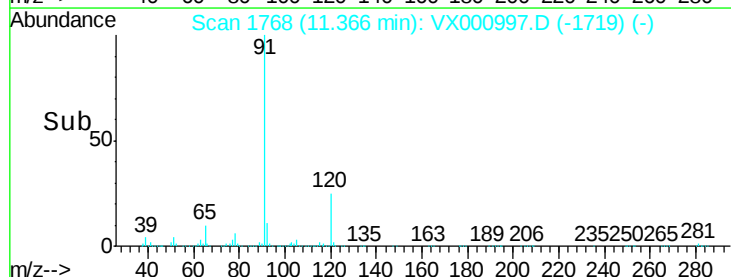
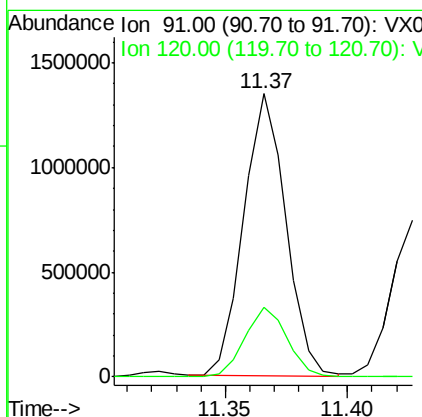
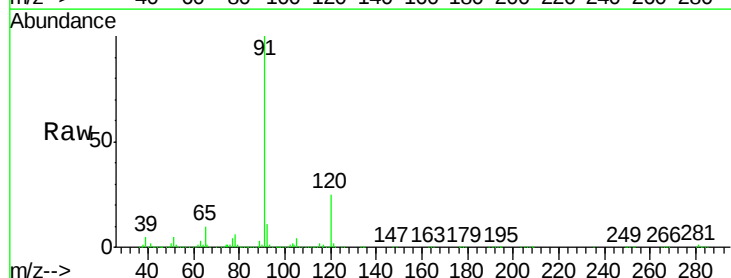
RT: 11.37 min Scan# 1768

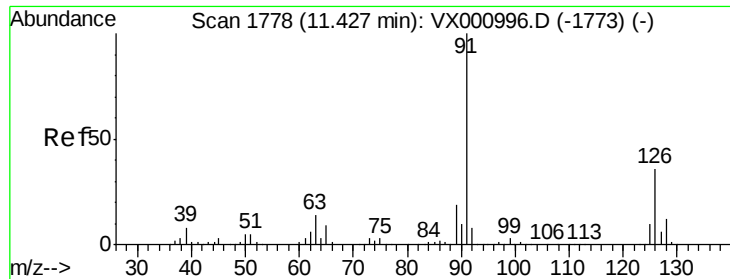
Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1613876		
120	25.0	12.4	37.0		





#79

2-Chlorotoluene

Concen: 113.18 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 950680

Ion Ratio Lower Upper

91 100

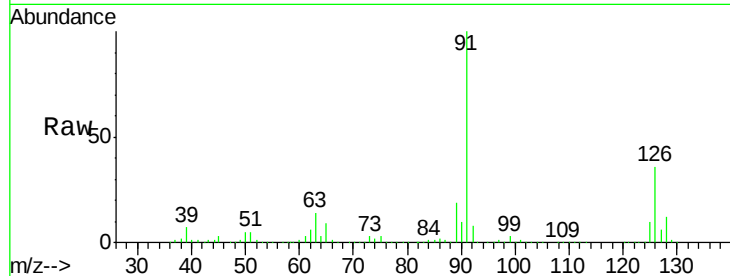
126 36.8 18.3 54.9

Manual Integrations

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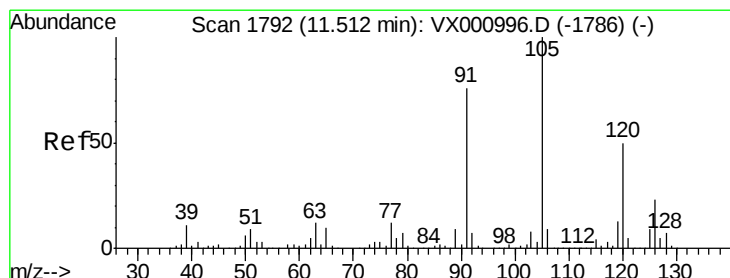
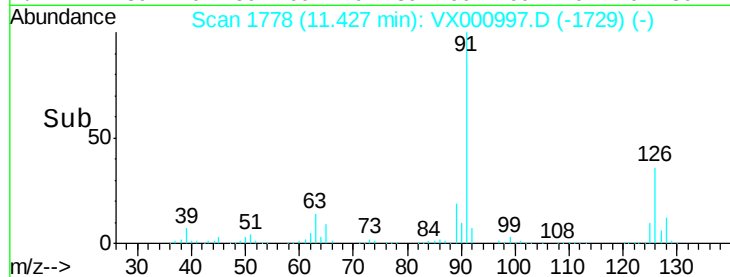
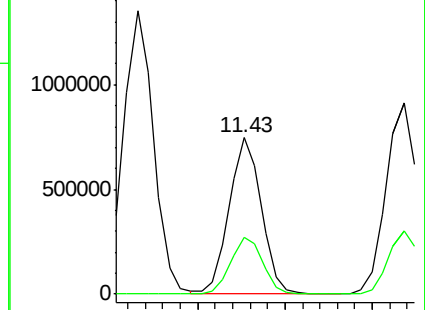
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Abundance Ion 91.00 (90.70 to 91.70): VX000997.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000997.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 116.81 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000997.D

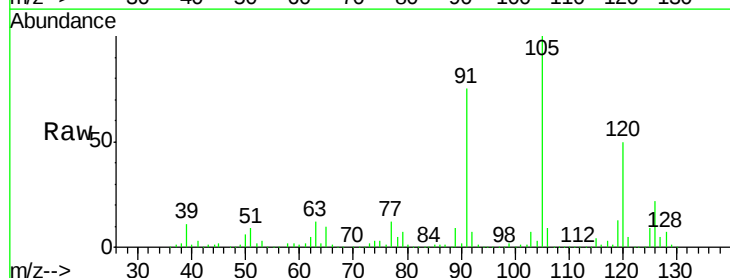
Acq: 19 Apr 2018 18:54

Tgt Ion:105 Resp: 1217890

Ion Ratio Lower Upper

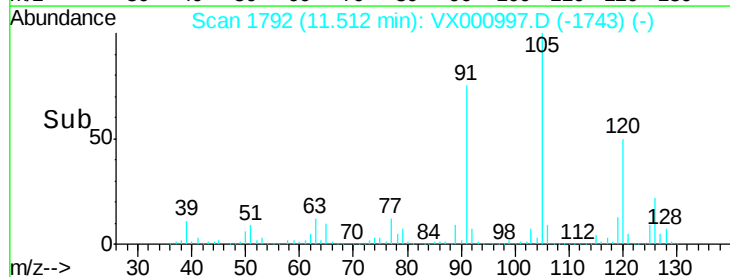
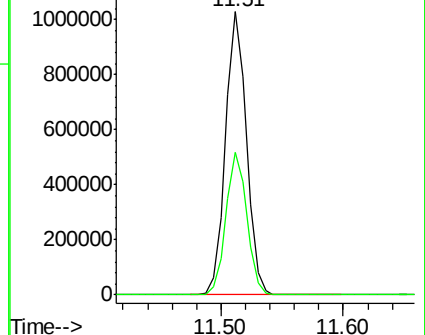
105 100

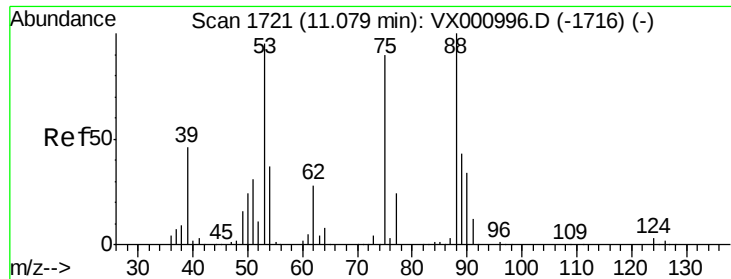
120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000997.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000997.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 133.87 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

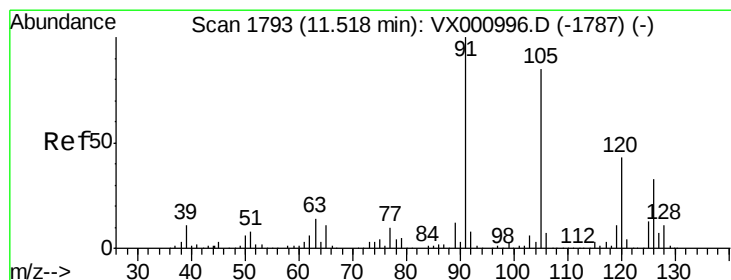
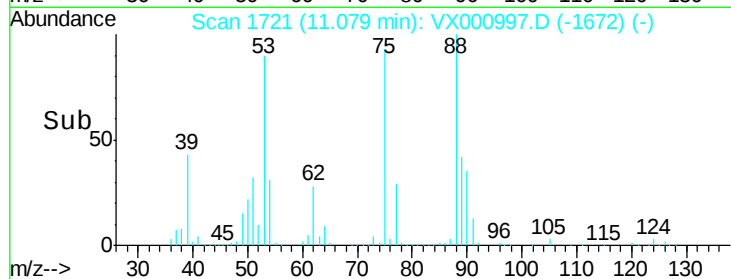
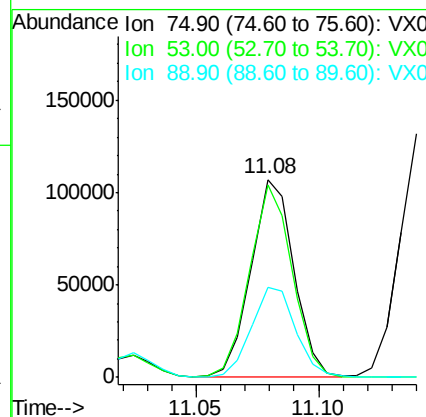
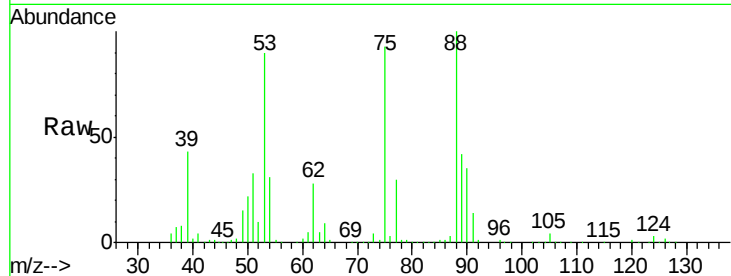
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	129849
Ion Ratio	Lower	Upper	
75	100		
53	96.8	83.4	125.2
89	47.6	39.7	59.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 113.47 ug/l

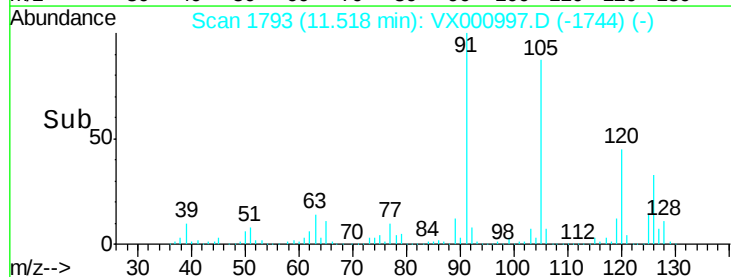
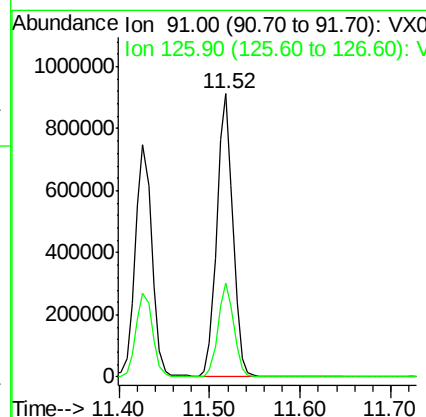
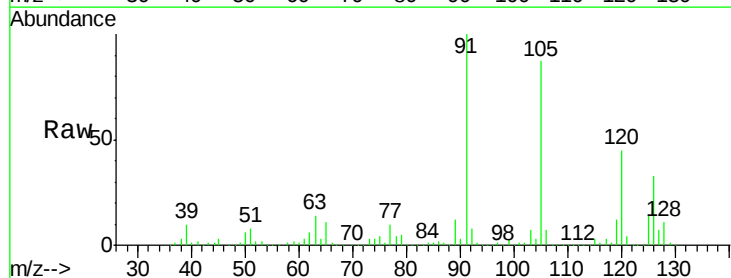
RT: 11.52 min Scan# 1793

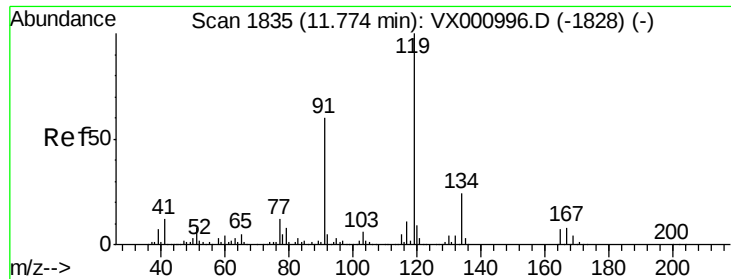
Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tgt Ion:	91	Resp:	1147435
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.2	48.5





#83

tert-Butylbenzene

Concen: 116.97 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1253460

Ion Ratio Lower Upper

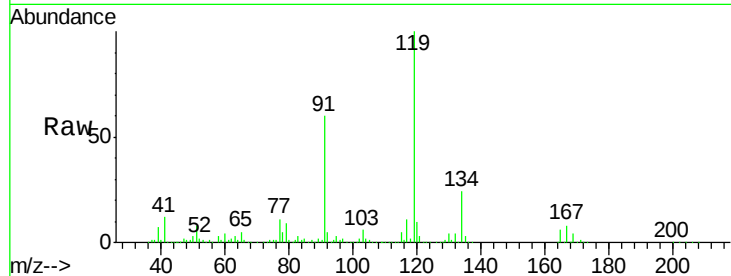
119 100

91 53.5 27.0 81.0

134 23.0 11.6 34.7

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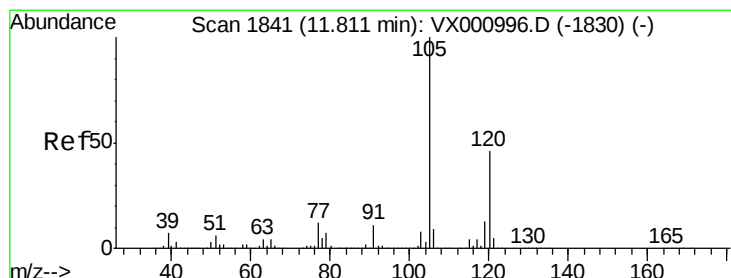
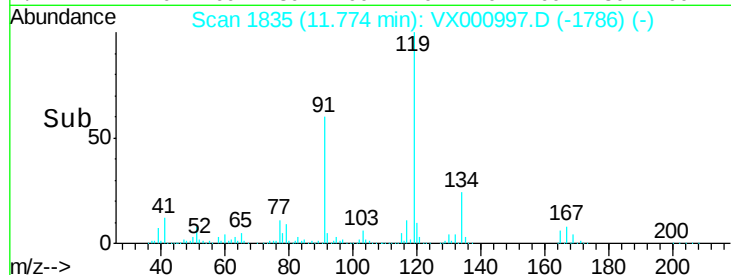
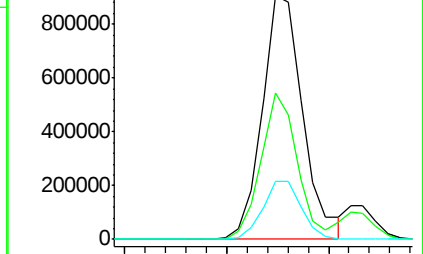
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 117.94 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX000997.D

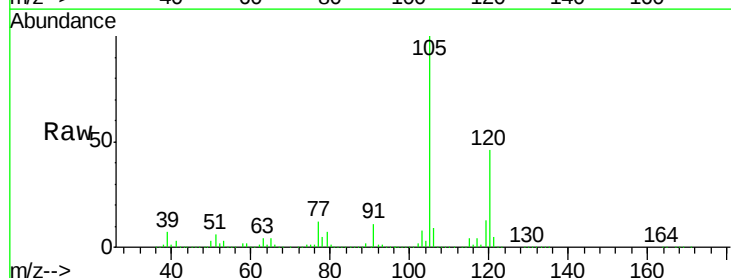
Acq: 19 Apr 2018 18:54

Tgt Ion:105 Resp: 1253038

Ion Ratio Lower Upper

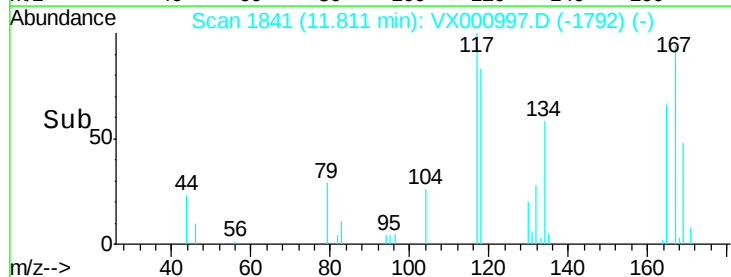
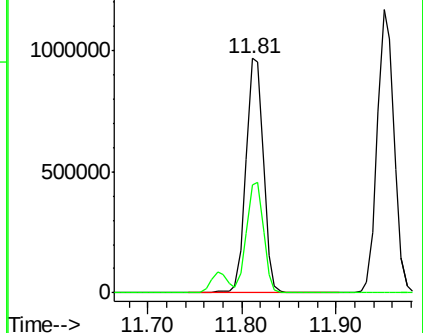
105 100

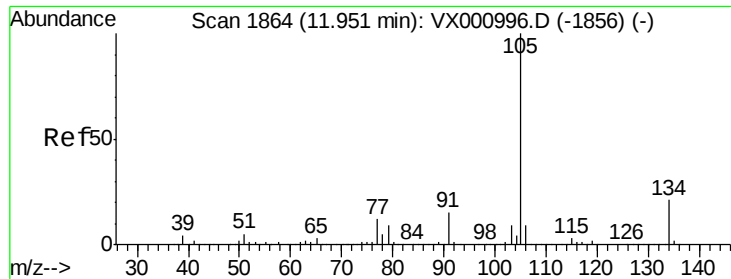
120 46.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 112.74 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1450753

Ion Ratio Lower Upper

105 100

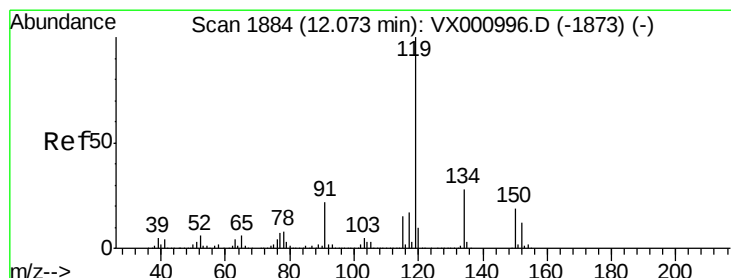
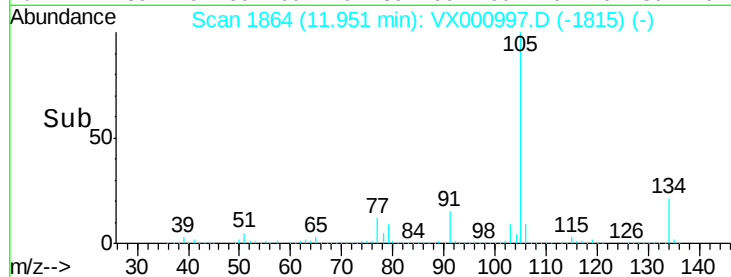
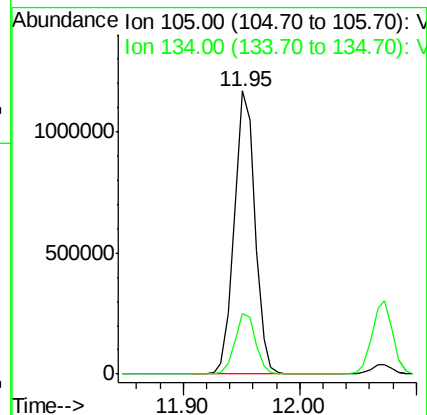
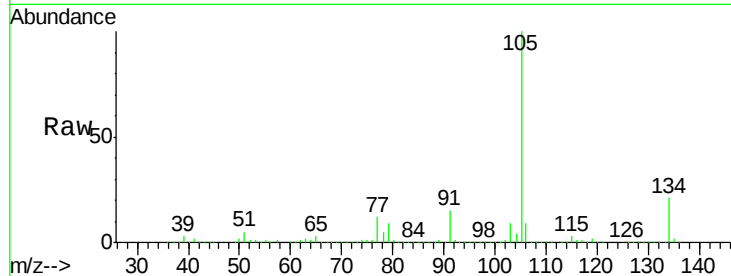
134 21.6 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 114.18 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

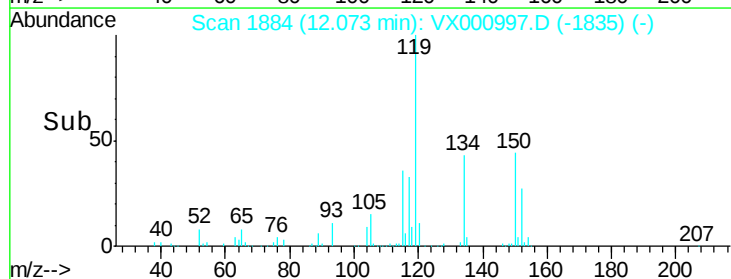
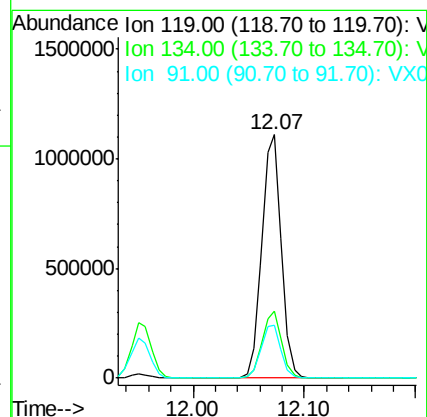
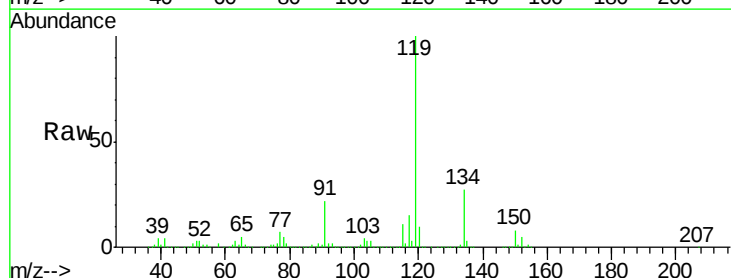
Tgt Ion:119 Resp: 1354504

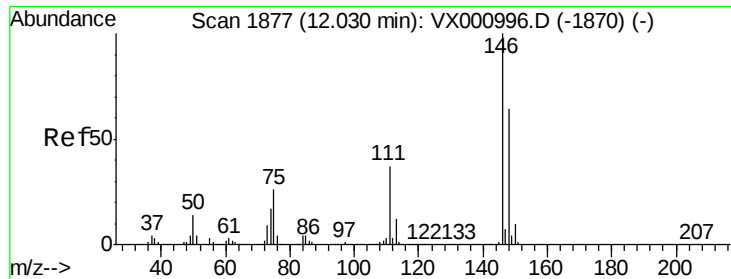
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 22.2 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 113.52 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

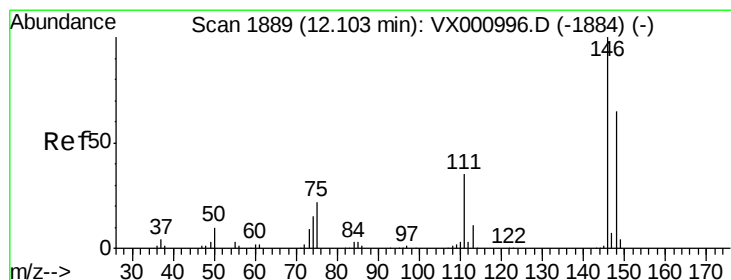
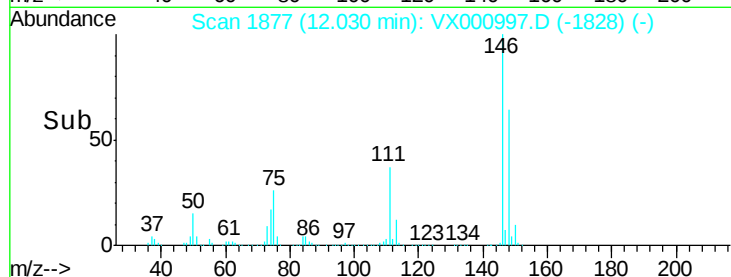
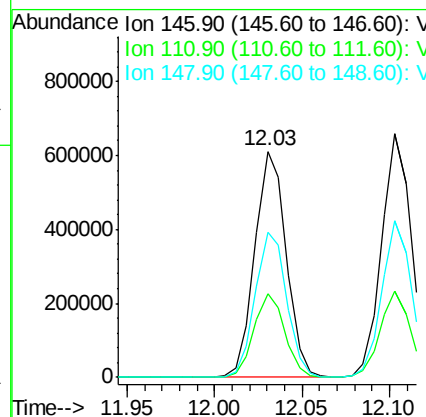
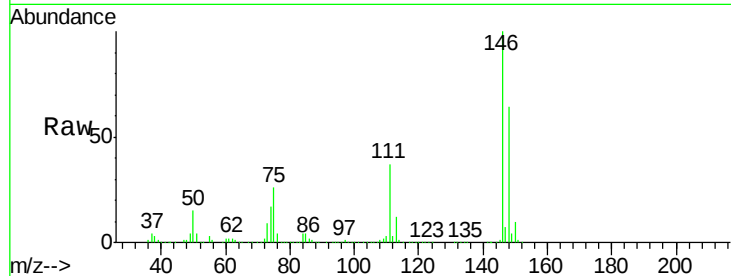
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.8
148	64.4	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 114.00 ug/l

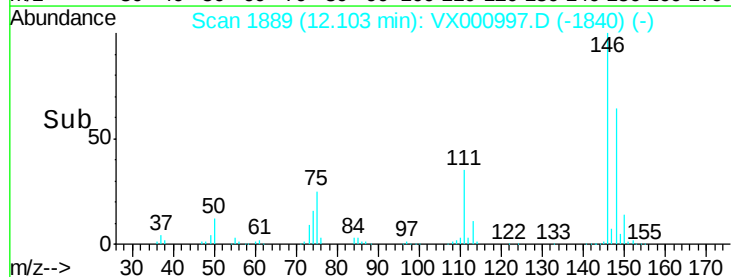
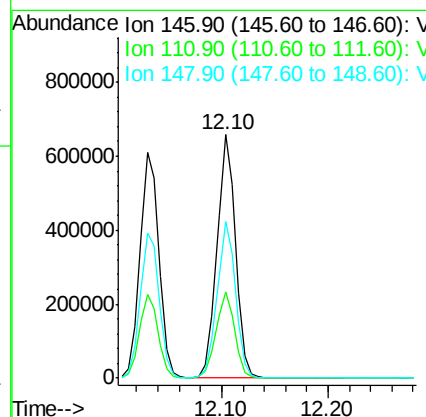
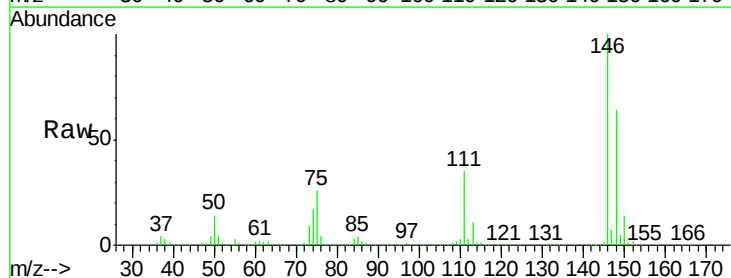
RT: 12.10 min Scan# 1889

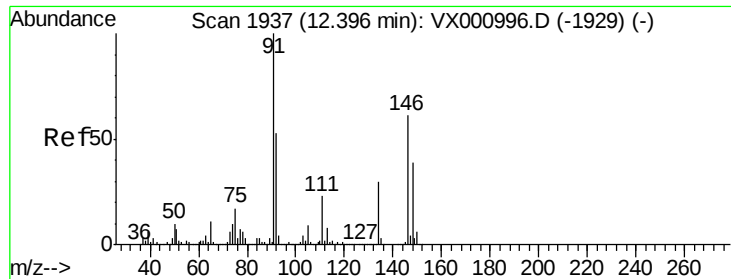
Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.0	54.0
148	64.1	32.4	97.0





#89

n-Butylbenzene

Concen: 112.26 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1201656

Ion Ratio Lower Upper

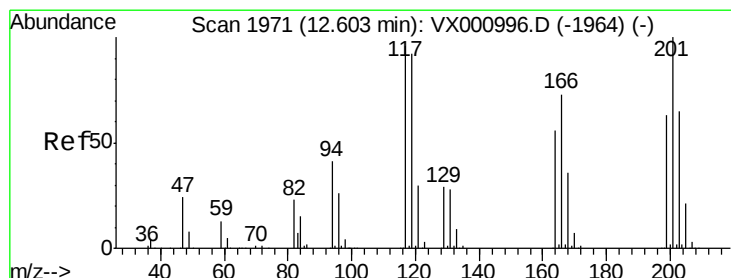
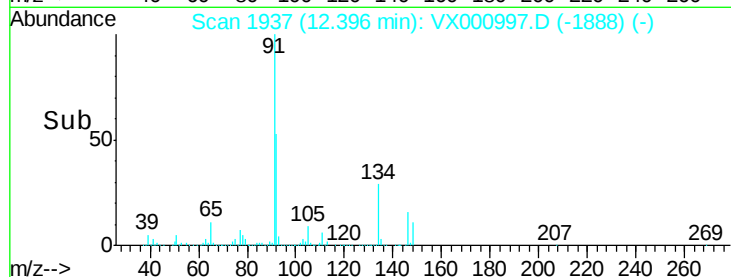
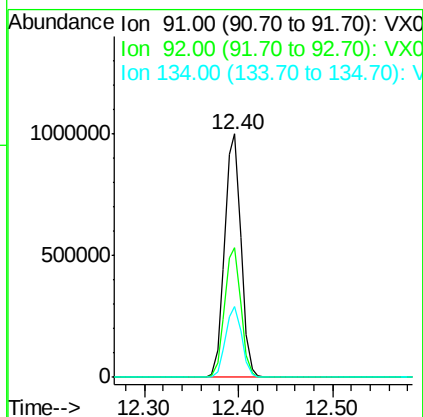
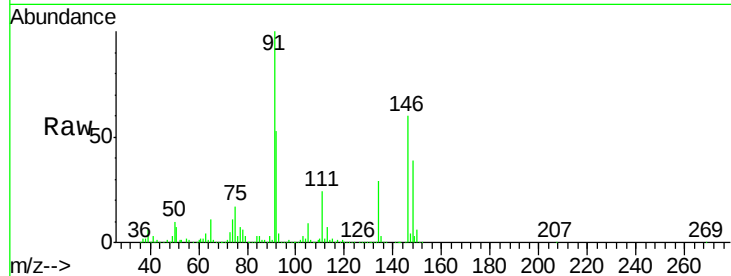
91 100

92 53.1 26.3 78.9

134 28.9 14.4 43.0

Manual Integrations
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#90

Hexachloroethane

Concen: 127.94 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000997.D

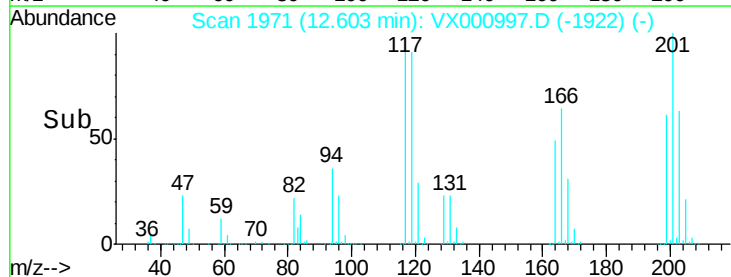
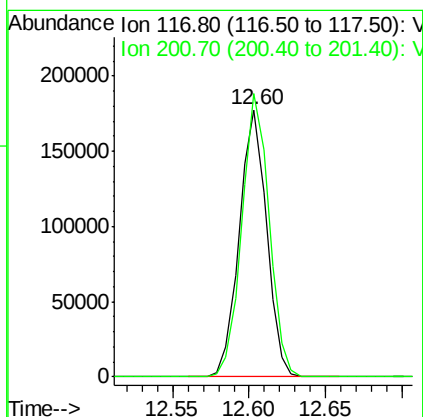
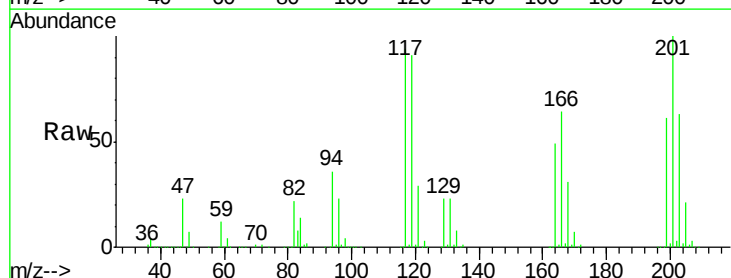
Acq: 19 Apr 2018 18:54

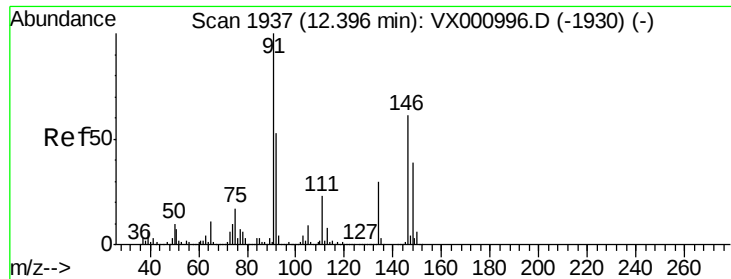
Tgt Ion: 117 Resp: 219413

Ion Ratio Lower Upper

117 100

201 105.9 52.3 157.1





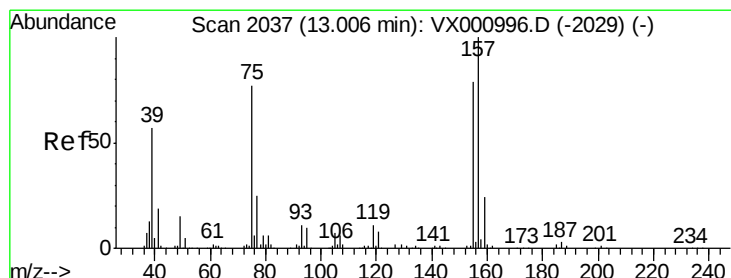
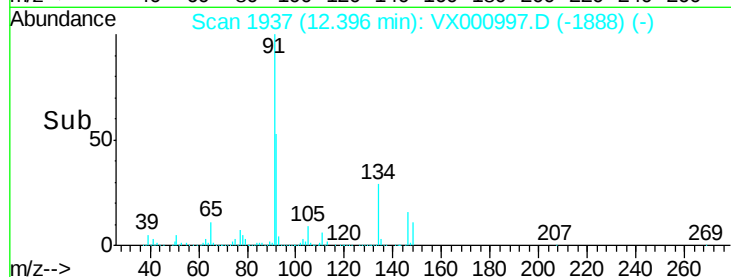
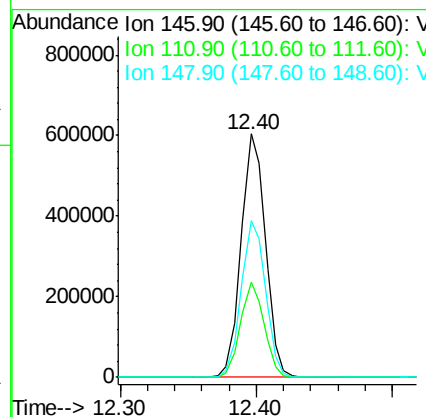
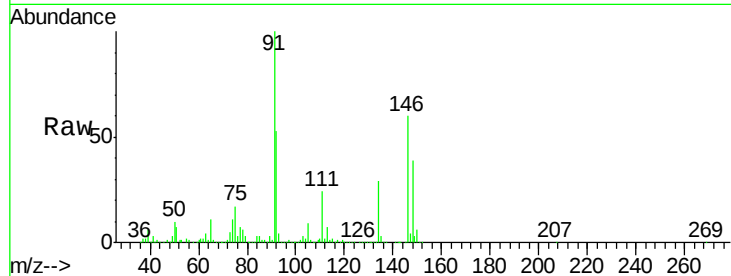
#91
 1,2-Dichlorobenzene
 Concen: 115.64 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	752551		
111	37.8	18.6	56.0	
148	64.2	32.3	96.8	

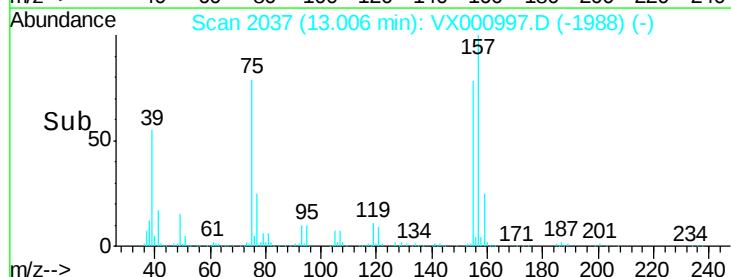
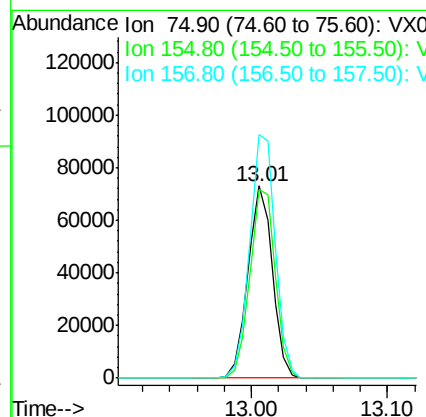
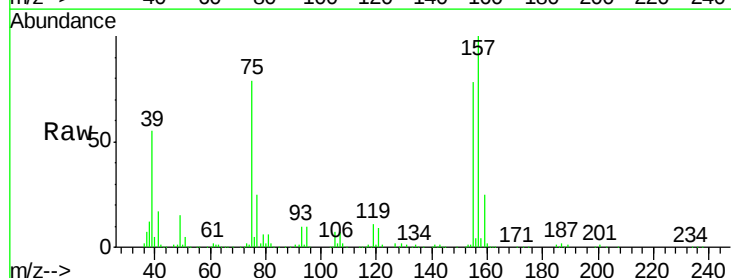
Manual Integrations
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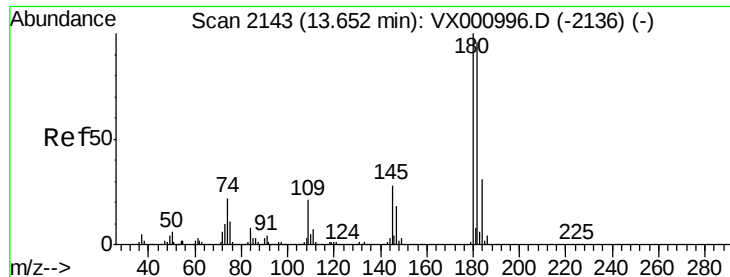
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 126.73 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91711		
155	102.6	51.0	153.0	
157	132.6	64.9	194.7	





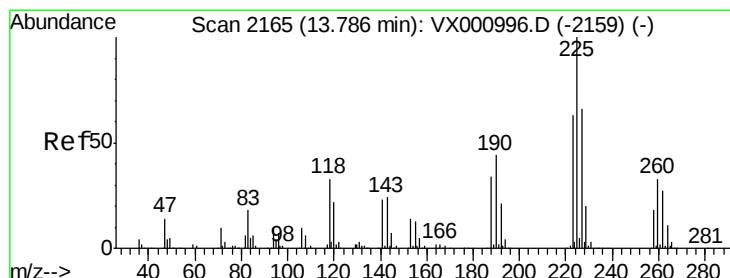
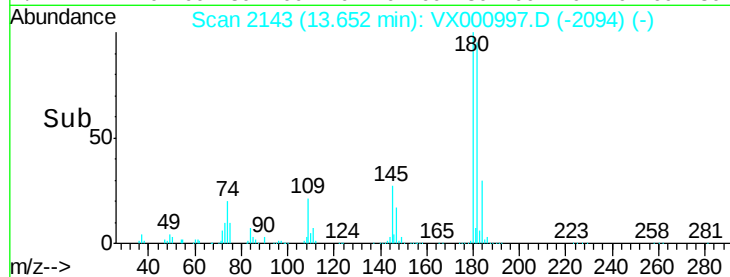
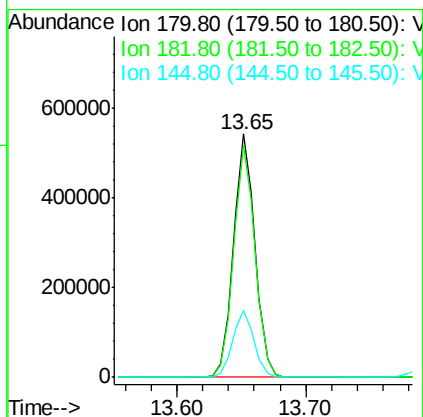
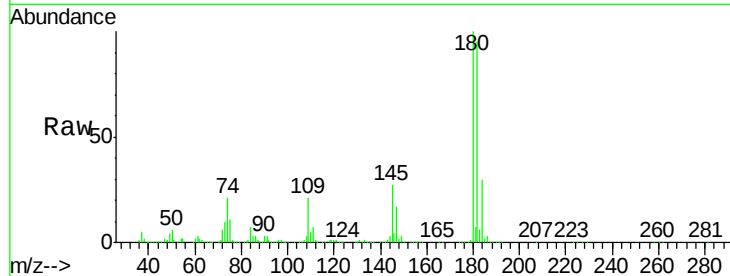
#93
 1,2,4-Trichlorobenzene
 Concen: 109.14 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	48.0	144.0	
145	27.3	13.9	41.7	

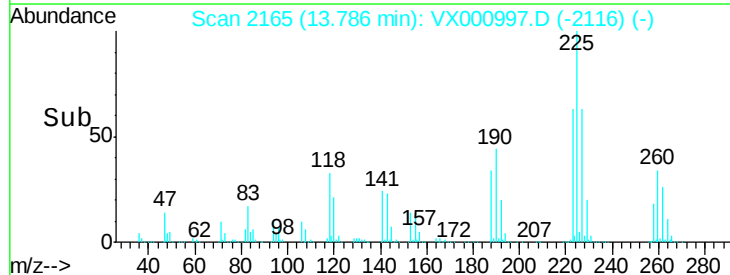
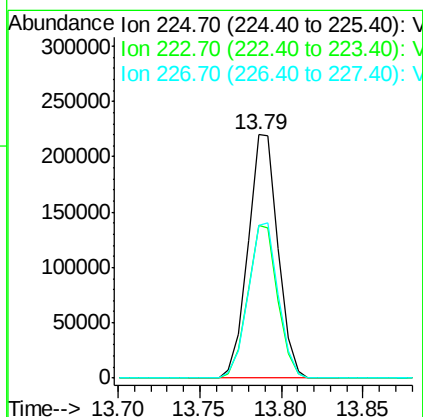
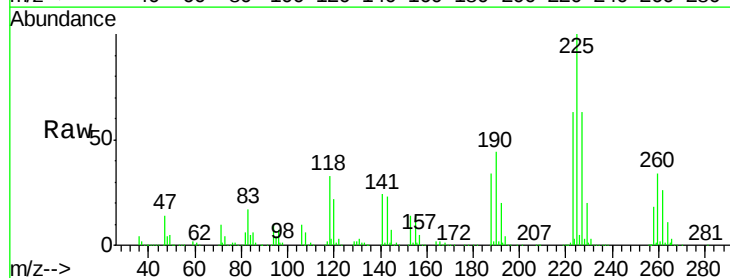
Manual Integrations
 APPROVED

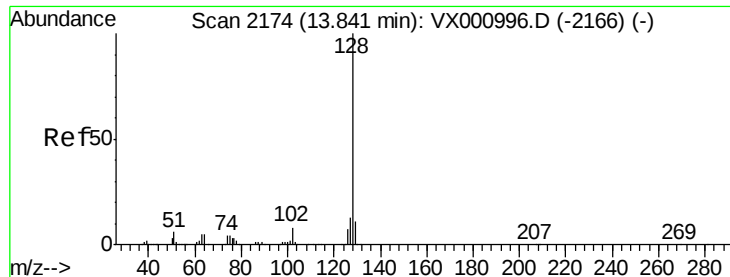
MMDadoda
 4/20/2018 2:09:31 PM



#94
 Hexachlorobutadiene
 Concen: 110.01 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX000997.D
 Acq: 19 Apr 2018 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.5	94.5	
227	64.0	32.6	97.8	





#95

Naphthalene

Concen: 118.22 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1595597

Ion Ratio Lower Upper

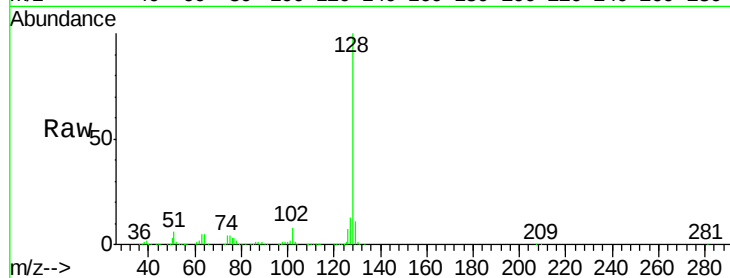
128 100

127 13.0 10.2 15.4

129 11.0 8.7 13.1

Manual Integrations
APPROVED

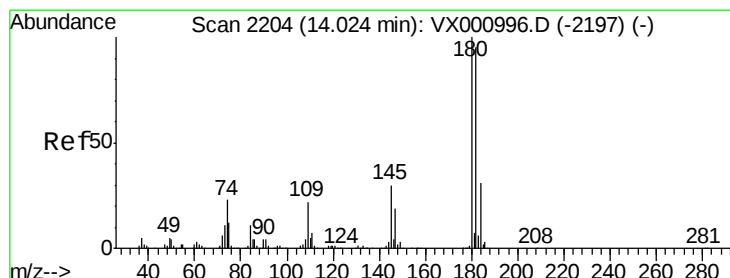
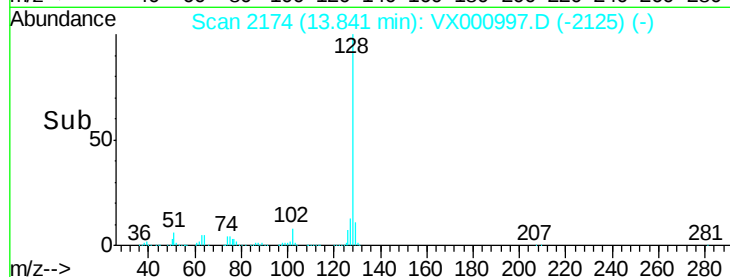
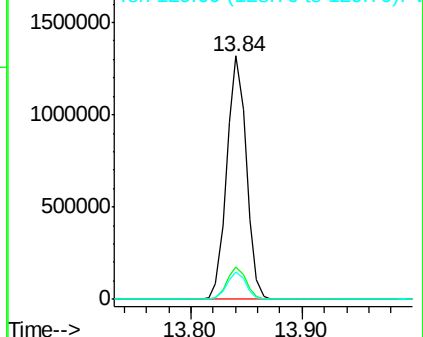
MMDadoda
4/20/2018 2:09:31 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 112.86 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000997.D

Acq: 19 Apr 2018 18:54

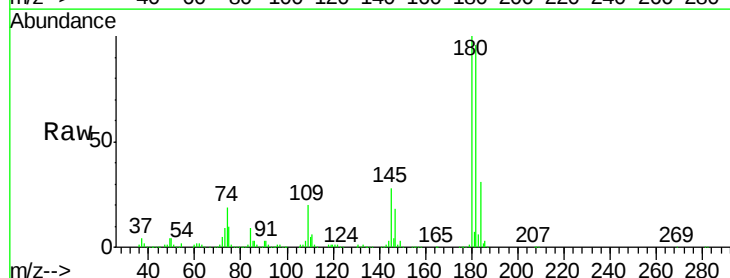
Tgt Ion:180 Resp: 605743

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 28.8 14.5 43.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

