

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041218\
 Data File : VX000819.D
 Acq On : 12 Apr 2018 23:21
 Operator : JC/MD
 Sample : VX0412WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD02

Manual Integrations
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 4/13/2018 2:58:18 PM

Quant Time: Apr 13 07:56:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348694	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	220250	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	161729	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	5.51	113	136232	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	8.73	98	500224	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.14	95	202151	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59420	20.88	ug/l	98
3) Chloromethane	1.32	50	45929	18.83	ug/l	99
4) Vinyl Chloride	1.40	62	57820	21.07	ug/l	97
5) Bromomethane	1.64	94	29959	25.70	ug/l	95
6) Chloroethane	1.73	64	36037	21.67	ug/l	100
7) Trichlorofluoromethane	1.93	101	86797	20.96	ug/l	99
8) Diethyl Ether	2.19	74	33319	21.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50973	20.88	ug/l	99
10) Methyl Iodide	2.51	142	21815	17.82	ug/l	99
11) Tert butyl alcohol	3.08	59	60433	107.09	ug/l	99
12) 1,1-Dichloroethene	2.38	96	48785	21.09	ug/l	99
13) Acrolein	2.30	56	17307	63.16	ug/l	97
14) Allyl chloride	2.73	41	88251	20.63	ug/l	98
15) Acrylonitrile	3.15	53	137818	114.55	ug/l	100
16) Acetone	2.45	43	112126	102.30	ug/l	98
17) Carbon Disulfide	2.57	76	131841	18.82	ug/l	98
18) Methyl Acetate	2.78	43	68210	24.05	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	169729	22.03	ug/l	98
20) Methylene Chloride	2.86	84	53784	21.10	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	52824	20.71	ug/l	97
22) Diisopropyl ether	3.88	45	176686	22.47	ug/l	97
23) Vinyl Acetate	3.83	43	772625	111.93	ug/l	97
24) 1,1-Dichloroethane	3.70	63	98622	22.36	ug/l	98
25) 2-Butanone	4.72	43	201533	111.34	ug/l	98
26) 2,2-Dichloropropane	4.59	77	75728	17.29	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	62737	21.67	ug/l	98
28) Bromochloromethane	5.03	49	38194	21.50	ug/l	98
29) Tetrahydrofuran	5.18	42	129275	112.49	ug/l	99
30) Chloroform	5.23	83	101557	21.74	ug/l	95
31) Cyclohexane	5.59	56	85990	20.52	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	94007	21.13	ug/l	99
36) 1,1-Dichloropropene	5.81	75	76633	19.96	ug/l	99
37) Ethyl Acetate	4.87	43	79438	21.19	ug/l	100
38) Carbon Tetrachloride	5.79	117	84871	19.75	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	88170	19.12	ug/l	98
40) Benzene	6.15	78	224141	21.01	ug/l	99
41) Methacrylonitrile	5.07	41	46906	21.66	ug/l	99
42) 1,2-Dichloroethane	6.21	62	84292	21.15	ug/l	100
43) Isopropyl Acetate	6.48	43	133236	20.73	ug/l	100
44) Trichloroethene	7.22	130	68432	20.62	ug/l	99
45) 1,2-Dichloropropane	7.53	63	56527	20.80	ug/l	99
46) Dibromomethane	7.67	93	39277	20.73	ug/l	100
47) Bromodichloromethane	7.91	83	77663	20.31	ug/l	99
48) Methyl methacrylate	7.79	41	70904	21.28	ug/l	99
49) 1,4-Dioxane	7.76	88	26936	402.31	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	414336	109.74	ug/l	100
52) Toluene	8.79	92	146241	20.66	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	91093	19.86	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	86797	19.44	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	58987	20.99	ug/l	97
56) Ethyl methacrylate	9.19	69	89906	20.74	ug/l	99
57) 1,3-Dichloropropane	9.38	76	97153	21.74	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	222226	109.71	ug/l	99
59) 2-Hexanone	9.51	43	310130	106.40	ug/l	100
60) Dibromochloromethane	9.59	129	66720	19.84	ug/l	99
61) 1,2-Dibromoethane	9.68	107	63813	21.40	ug/l	99
64) Tetrachloroethene	9.34	164	69102	21.59	ug/l	99
65) Chlorobenzene	10.15	112	172638	20.97	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	63806	20.59	ug/l	99
67) Ethyl Benzene	10.26	91	285397	20.79	ug/l	99
68) m/p-Xylenes	10.37	106	222351	41.04	ug/l	98
69) o-Xylene	10.71	106	110112	21.08	ug/l	98
70) Styrene	10.72	104	181360	20.60	ug/l	99
71) Bromoform	10.87	173	55849	19.46	ug/l #	99
73) Isopropylbenzene	11.02	105	295478	21.15	ug/l	99
74) N-amyl acetate	6.48	43	133236	21.17	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	86187	21.25	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	82552m	21.73	ug/l	
77) Bromobenzene	11.26	156	85323	20.84	ug/l	99
78) n-propylbenzene	11.37	91	331121	20.72	ug/l	100
79) 2-Chlorotoluene	11.43	91	196900	20.85	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	249287	20.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	24524	17.76	ug/l	94
82) 4-Chlorotoluene	11.52	91	236470	20.74	ug/l	99
83) tert-Butylbenzene	11.77	119	256870	20.89	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	255504	20.60	ug/l	99
85) sec-Butylbenzene	11.95	105	302741	20.87	ug/l	100
86) p-Isopropyltoluene	12.07	119	278790	20.61	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	155275	20.49	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	160042	20.60	ug/l	99
89) n-Butylbenzene	12.40	91	241566	20.24	ug/l	100
90) Hexachloroethane	12.60	117	43444	18.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	154503	21.12	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20624	20.30	ug/l	96

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VX0412WBSD02

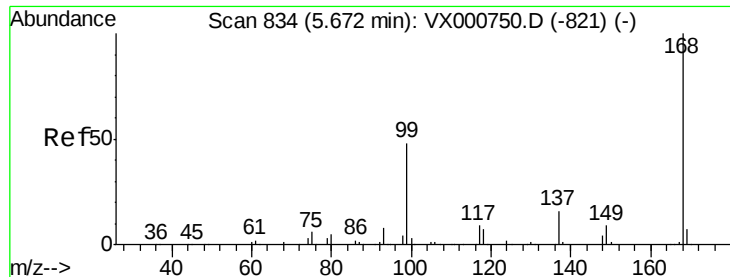
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128202	20.53	ug/l	99
94) Hexachlorobutadiene	13.79	225	61559	20.05	ug/l	99
95) Naphthalene	13.84	128	343342	21.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	125245	20.65	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion:168 Resp: 252075

Ion Ratio Lower Upper

168 100

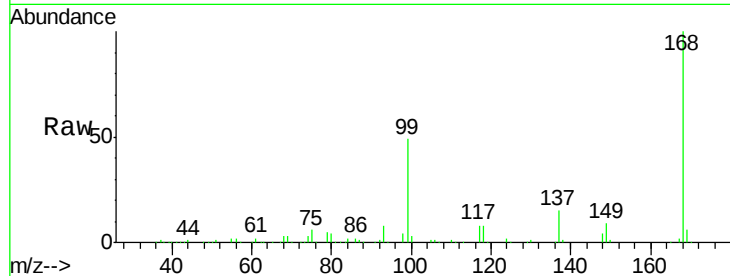
99 48.5 38.3 57.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

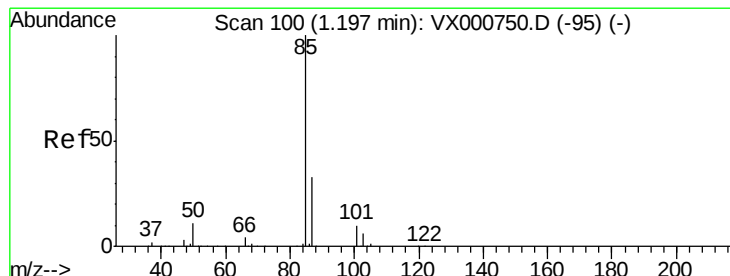
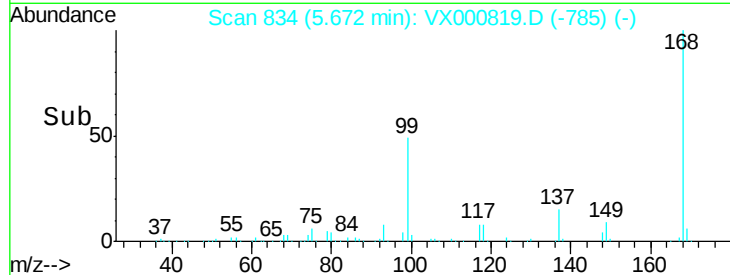
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.88 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000819.D

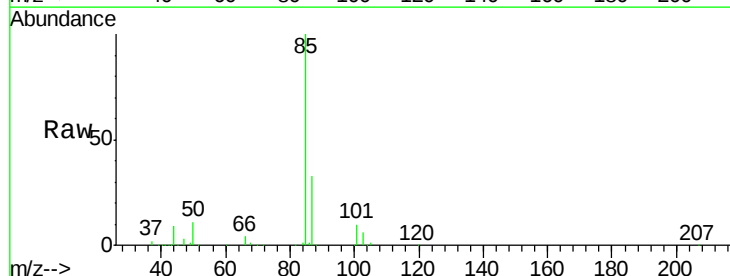
Acq: 12 Apr 2018 23:21

Tgt Ion: 85 Resp: 59420

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

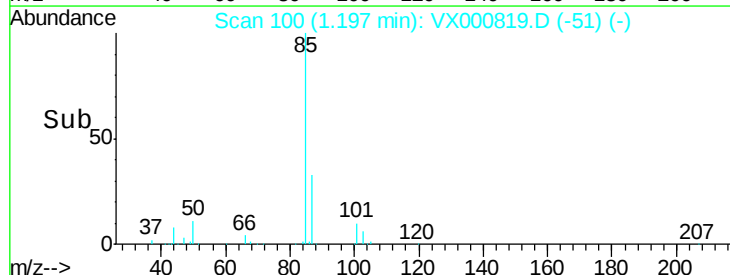
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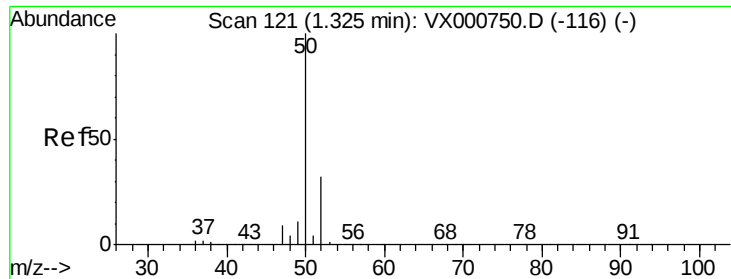
40000

20000

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Time-->





#3

Chloromethane

Concen: 18.83 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 50 Resp: 45929

Ion Ratio Lower Upper

50 100

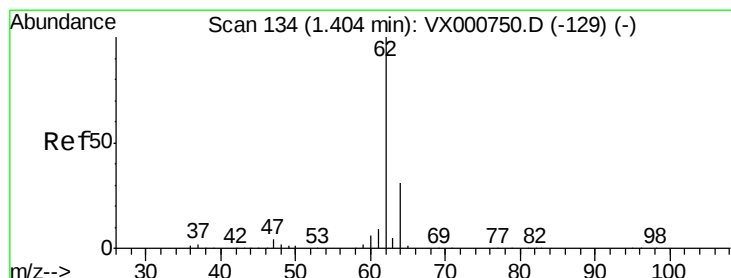
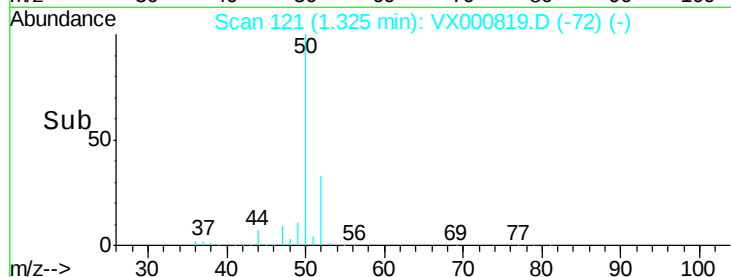
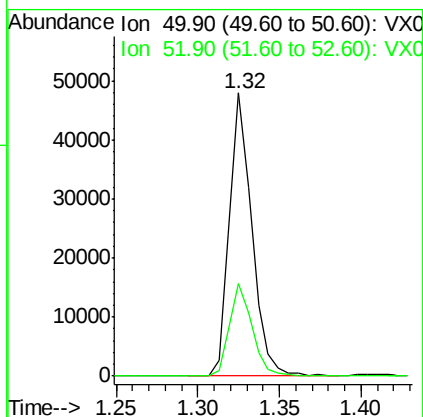
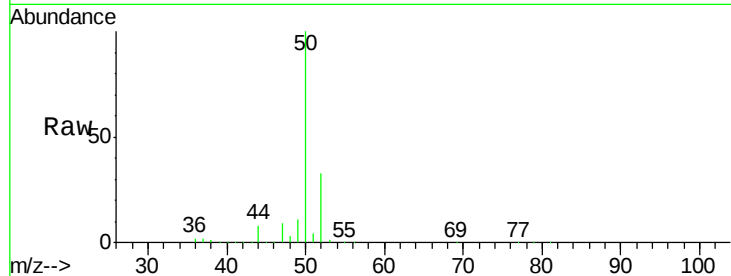
52 32.6 25.8 38.8

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#4

Vinyl Chloride

Concen: 21.07 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000819.D

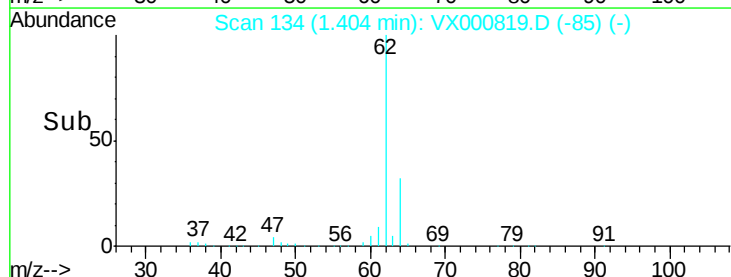
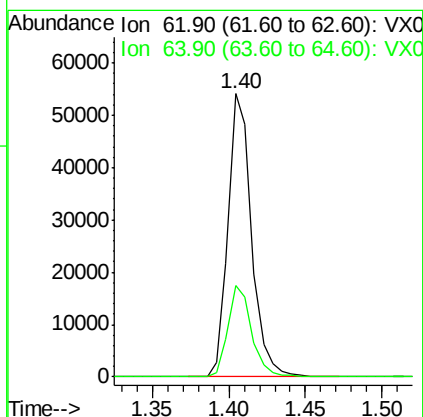
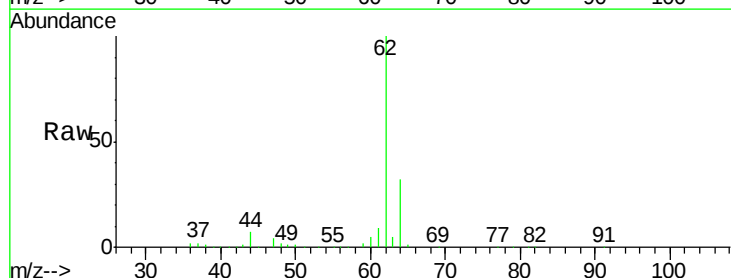
Acq: 12 Apr 2018 23:21

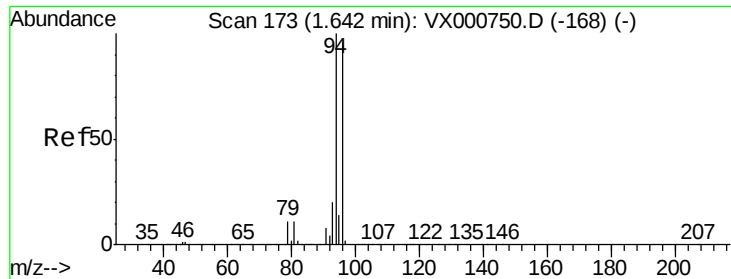
Tgt Ion: 62 Resp: 57820

Ion Ratio Lower Upper

62 100

64 32.5 24.6 36.8





#5

Bromomethane

Concen: 25.70 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 94 Resp: 29959

Ion Ratio Lower Upper

94 100

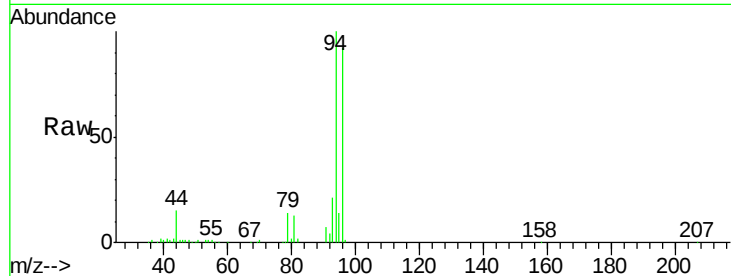
96 91.6 77.0 115.6

Manual Integrations

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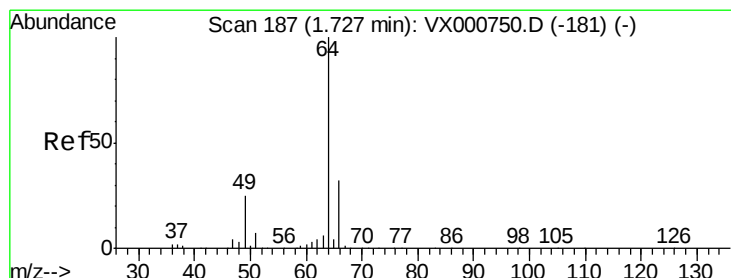
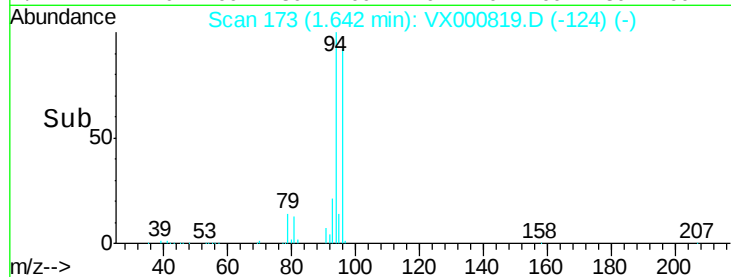
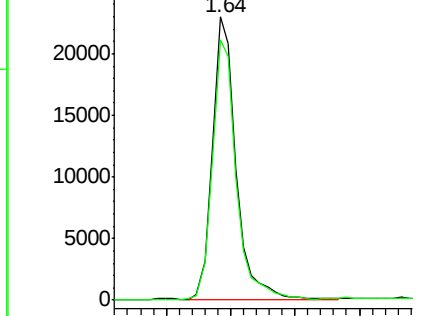
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.67 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000819.D

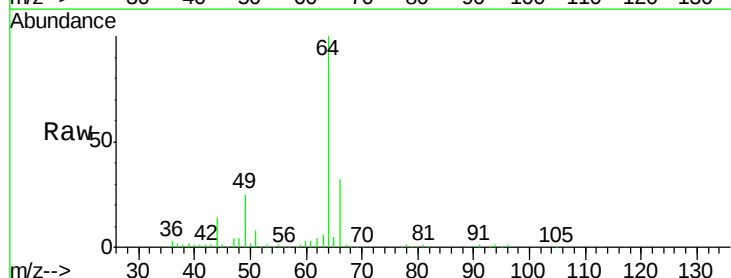
Acq: 12 Apr 2018 23:21

Tgt Ion: 64 Resp: 36037

Ion Ratio Lower Upper

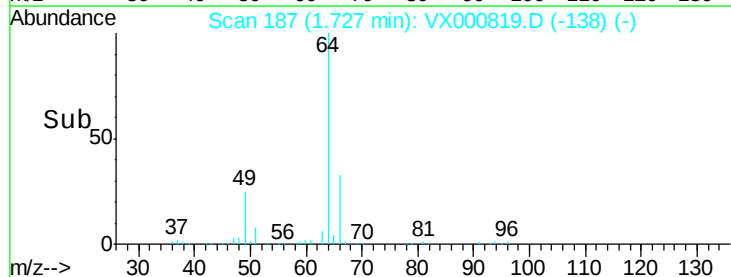
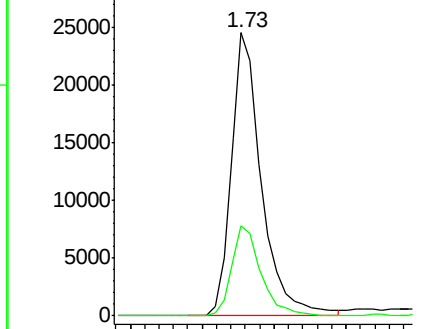
64 100

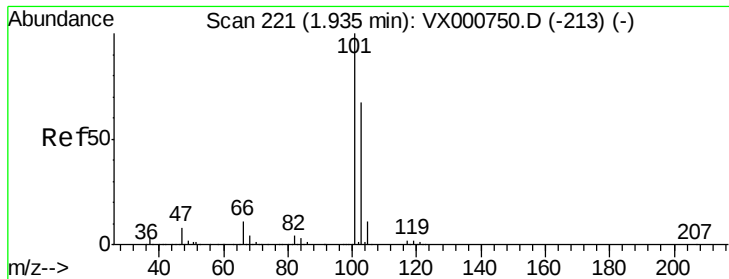
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

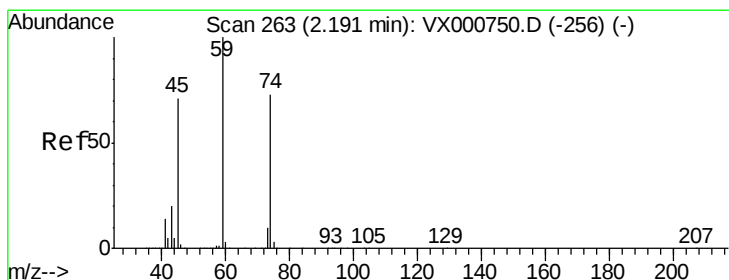
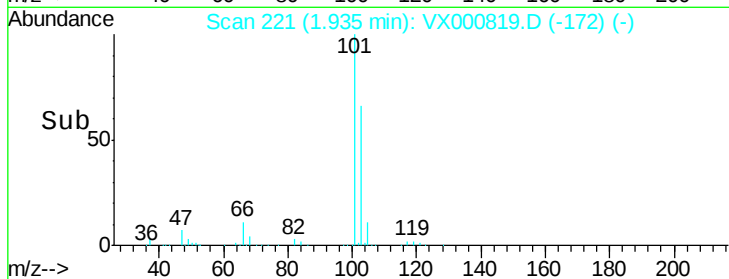
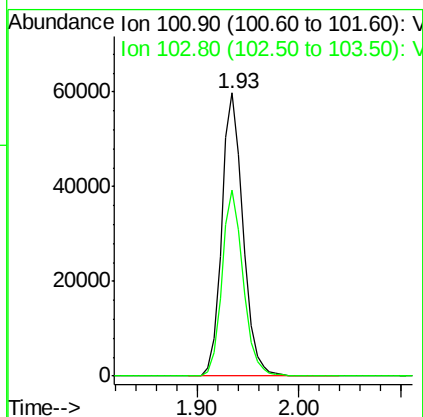
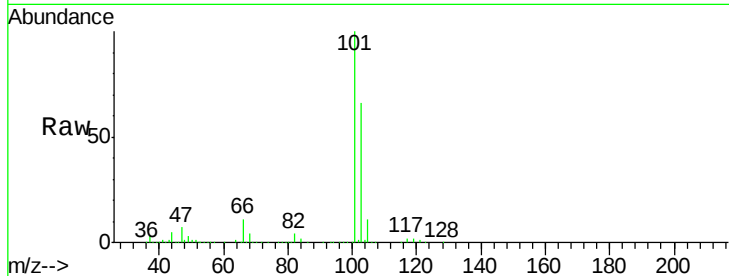
Trichlorofluoromethane
Concen: 20.96 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000819.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.2	79.8

Manual Integrations
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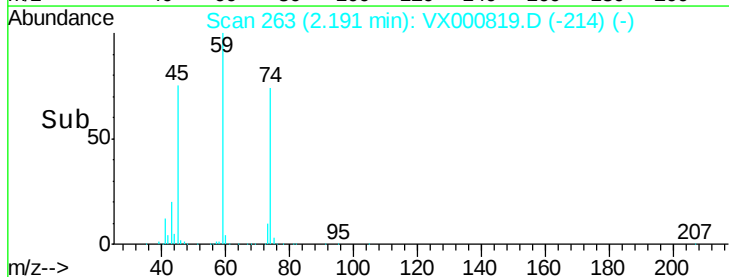
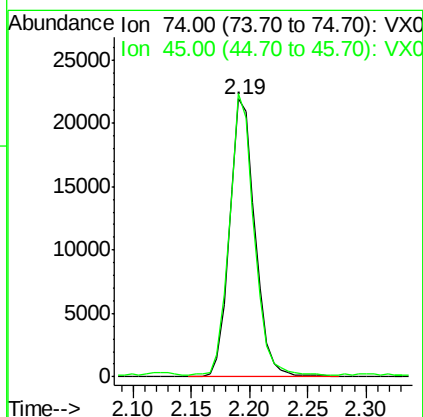
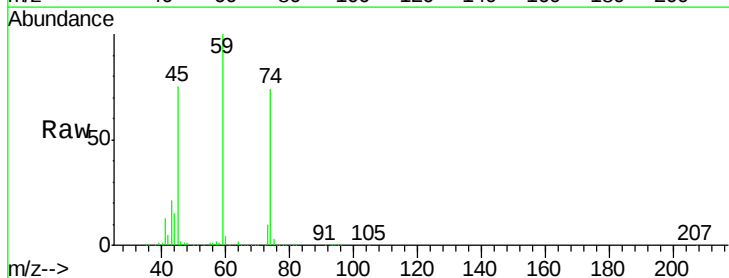
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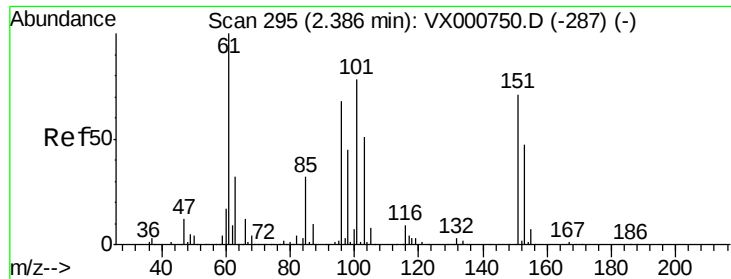


#8

Diethyl Ether
Concen: 21.54 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.88 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

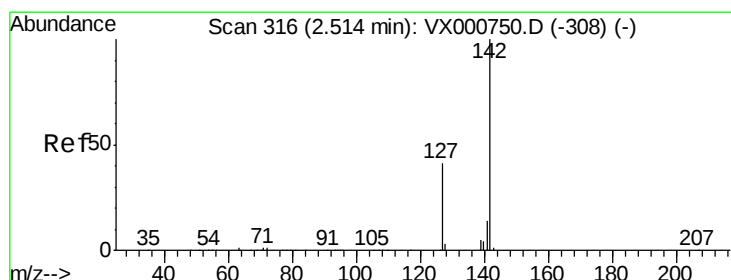
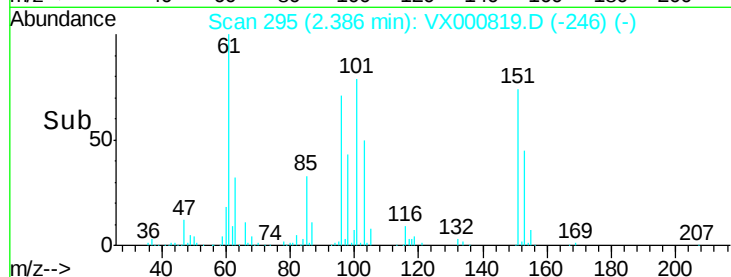
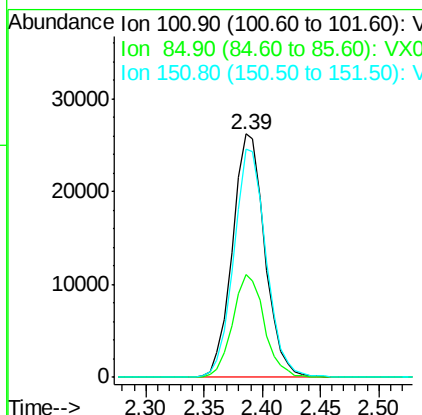
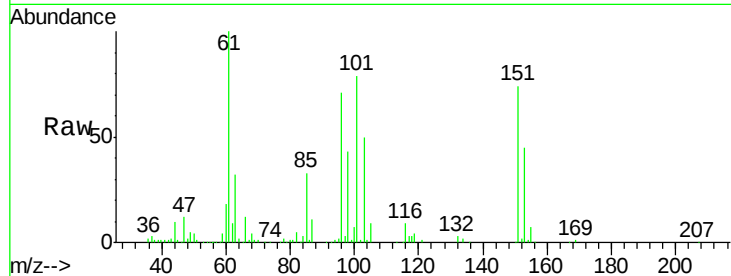
ClientSampleId :

VX0412WBSD02

Tot Ion:	101	Resp:	50973
Ion Ratio	Lower	Upper	
101	100		
85	41.2	34.0	51.0
151	93.8	75.8	113.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.82 ug/l

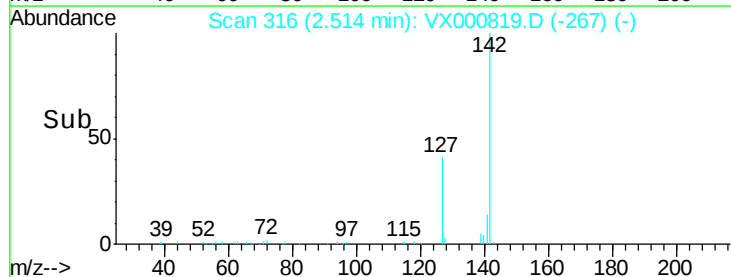
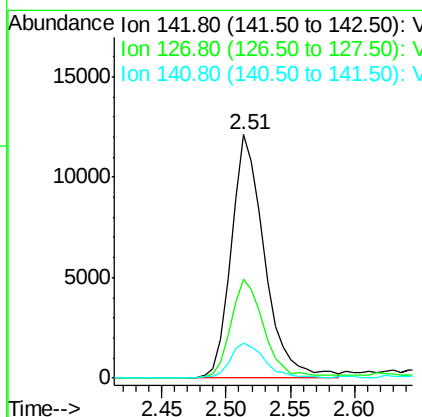
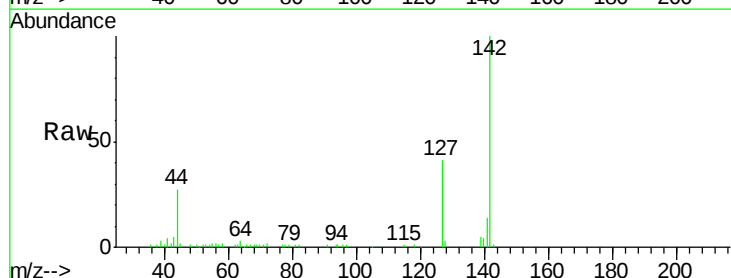
RT: 2.51 min Scan# 316

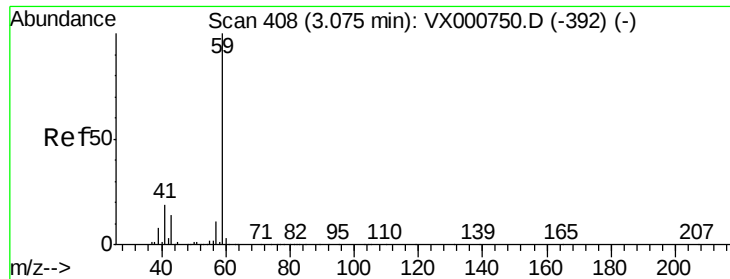
Delta R.T. 0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion:	142	Resp:	21815
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.6	49.0
141	15.0	11.5	17.3





#11

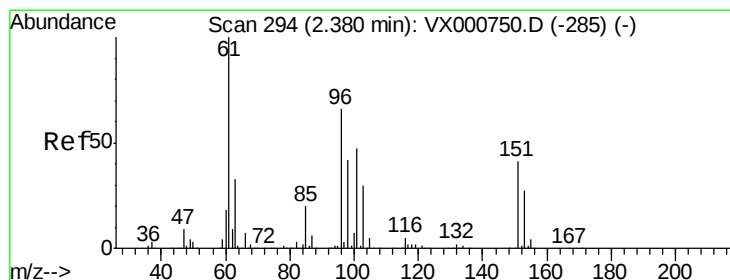
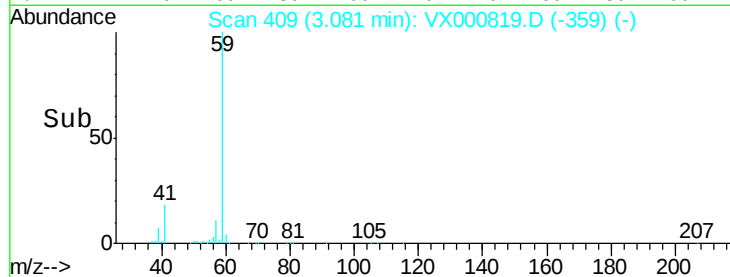
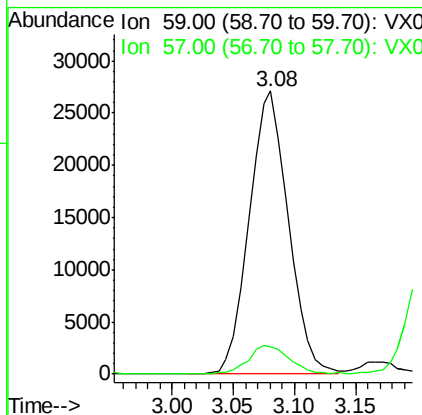
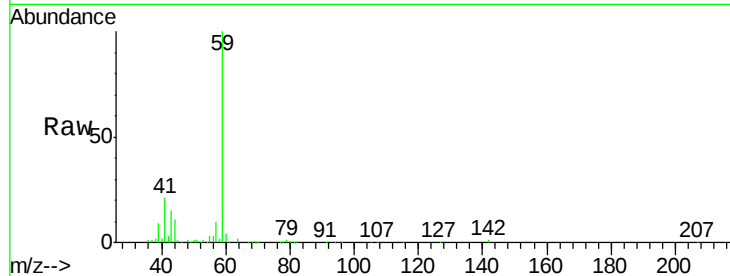
Tert butyl alcohol
Concen: 107.09 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	59	Resp	60433
Ion Ratio	100	Lower	Upper
57	11.0	8.4	12.6

Manual Integrations
APPROVED

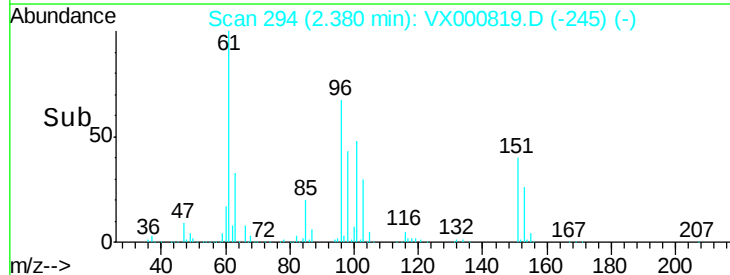
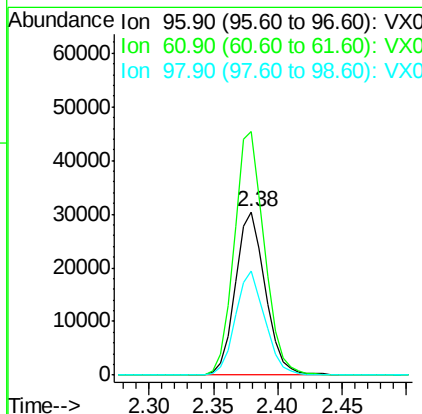
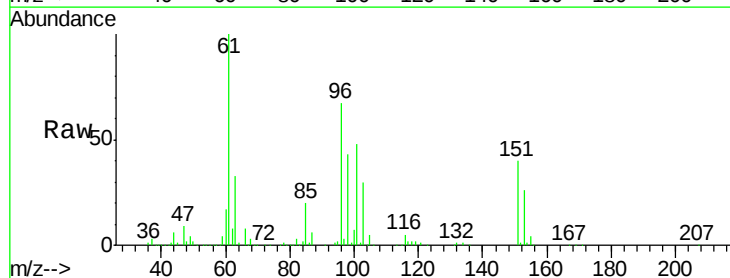
apatel
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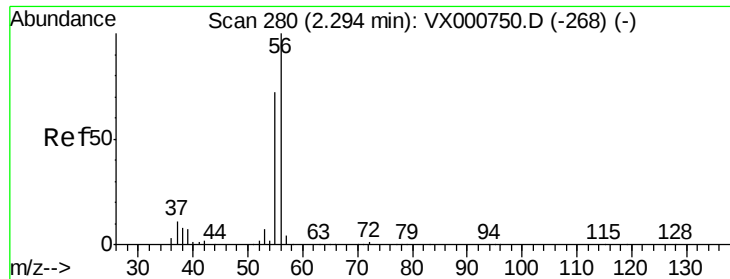


#12

1,1-Dichloroethene
Concen: 21.09 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	96	Resp	48785
Ion Ratio	100	Lower	Upper
61	149.5	120.5	180.7
98	64.3	50.9	76.3





#13

Acrolein

Concen: 63.16 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 56 Resp: 17307

Ion Ratio Lower Upper

56 100

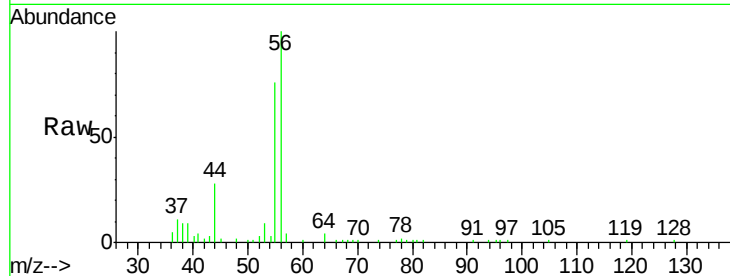
55 71.2 58.7 88.1

Manual Integrations

APPROVED

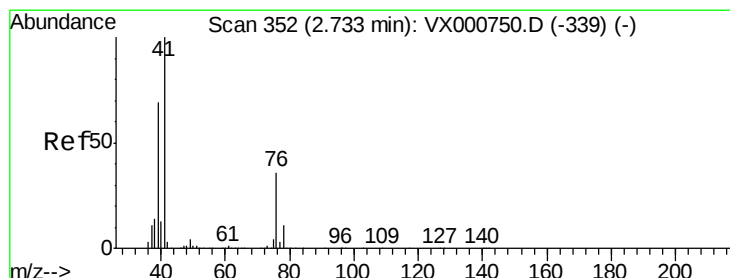
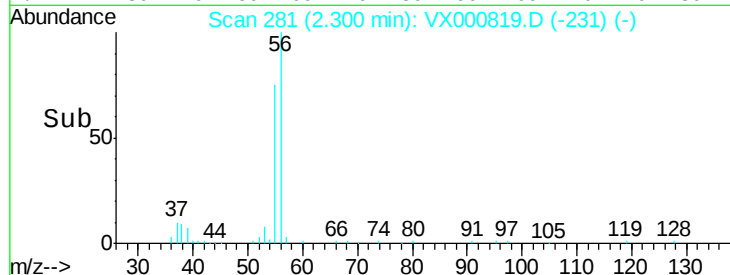
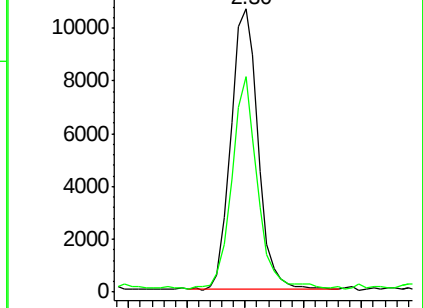
apatel

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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: 20.63 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

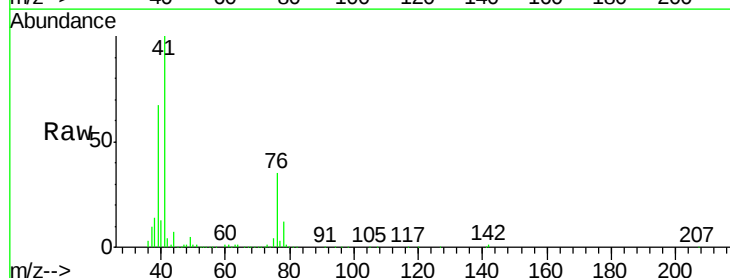
Tgt Ion: 41 Resp: 88251

Ion Ratio Lower Upper

41 100

39 62.3 51.5 77.3

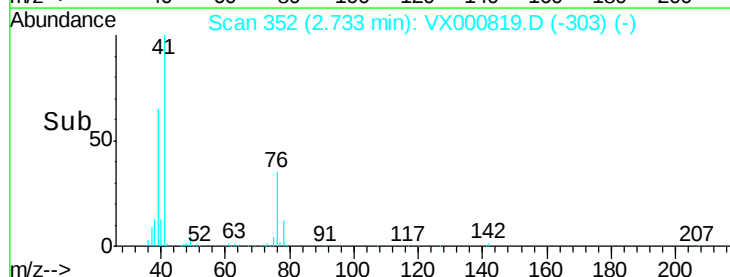
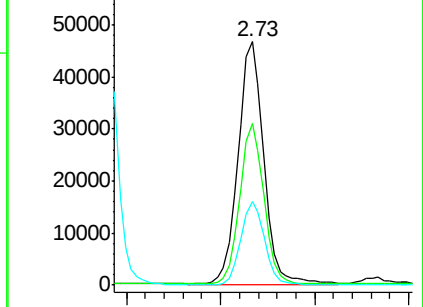
76 32.0 26.5 39.7



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: 114.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

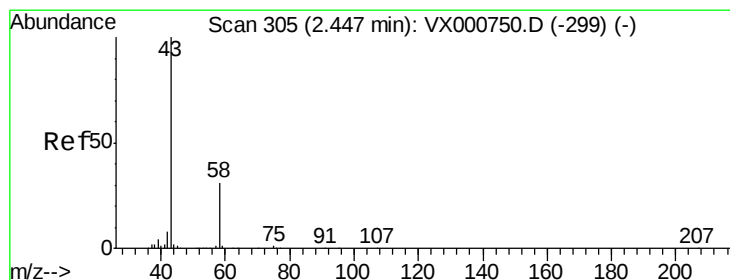
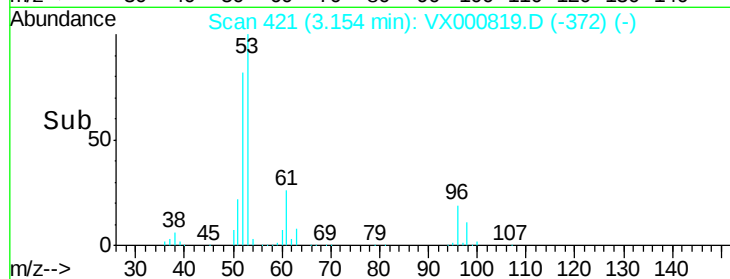
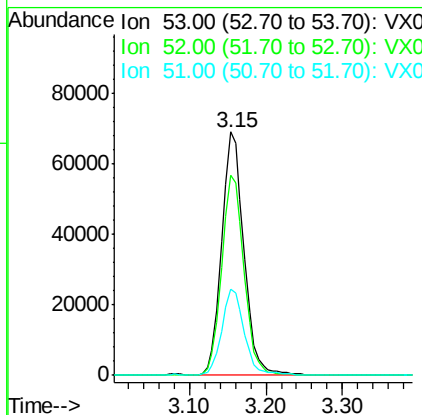
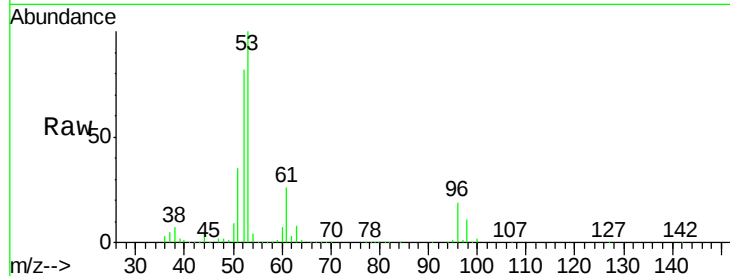
ClientSampleId :

VX0412WBSD02

Tot Ion:	53	Resp:	137818
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.5	99.7
51	35.9	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 102.30 ug/l

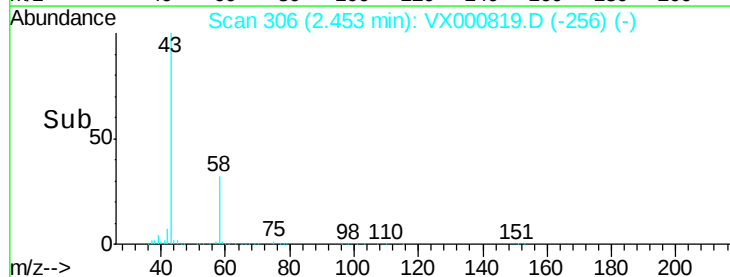
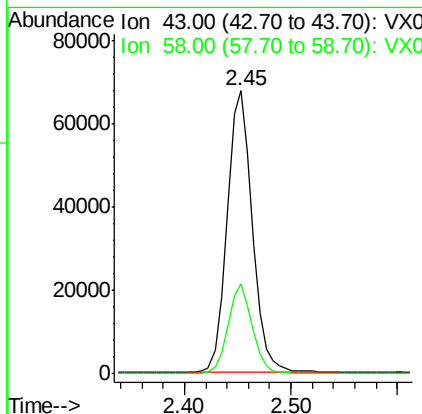
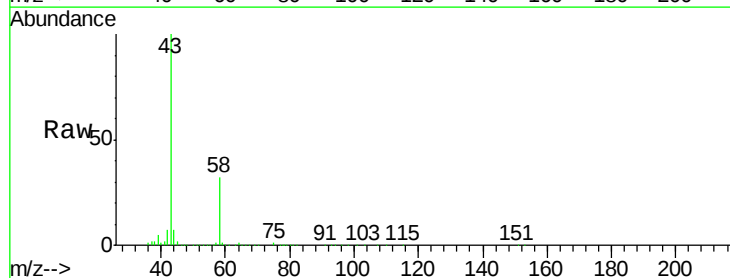
RT: 2.45 min Scan# 306

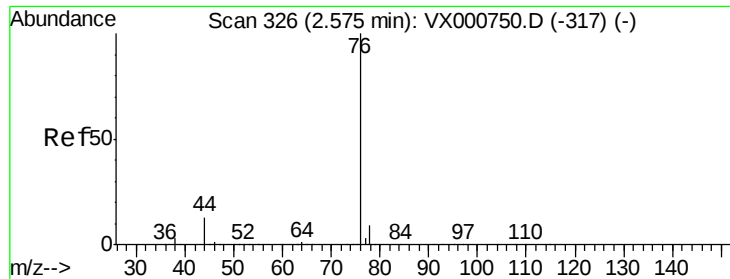
Delta R.T. 0.01 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion:	43	Resp:	112126
Ion Ratio		Lower	Upper
43	100		
58	31.9	24.6	37.0





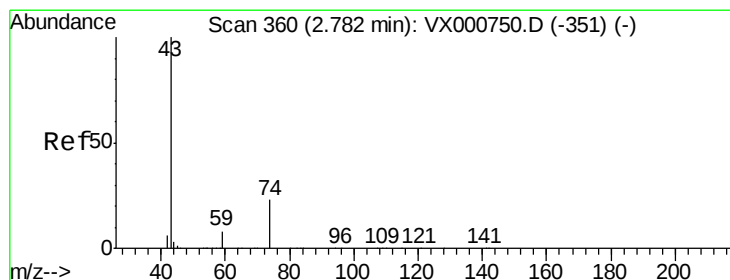
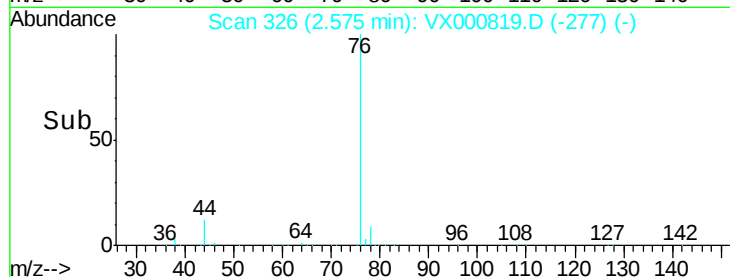
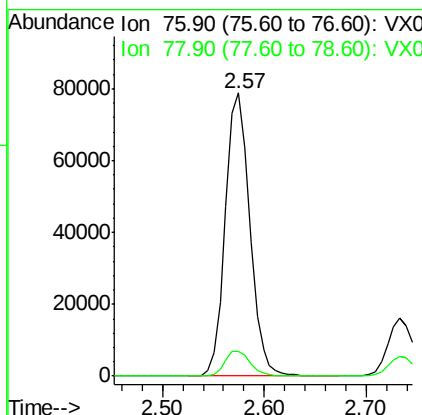
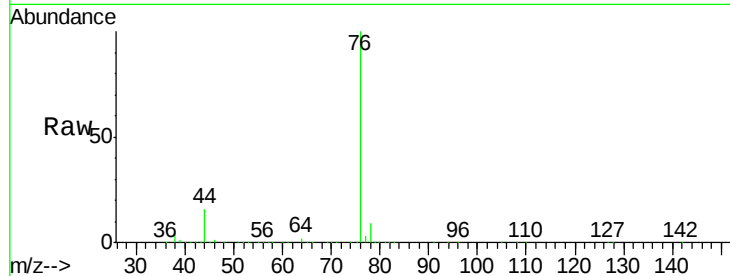
#17
Carbon Disulfide
Concen: 18.82 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

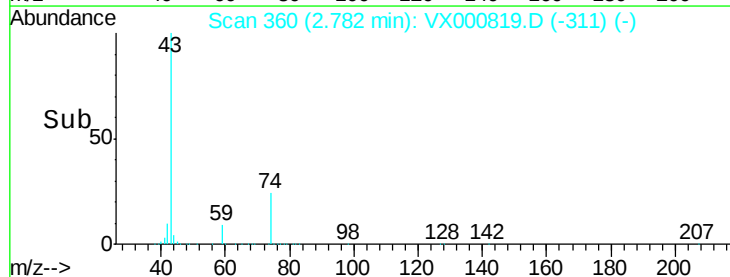
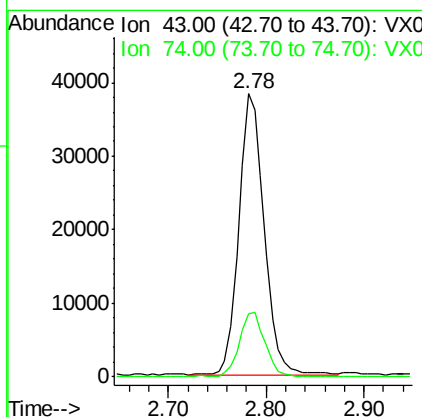
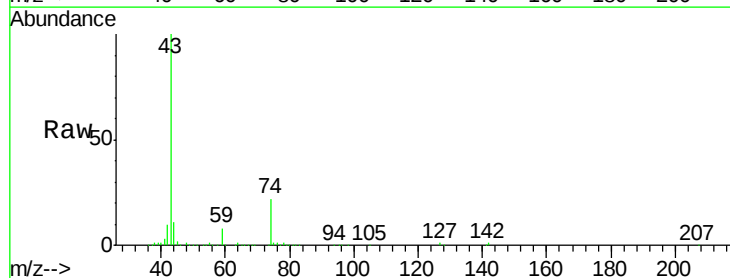
Manual Integrations
APPROVED

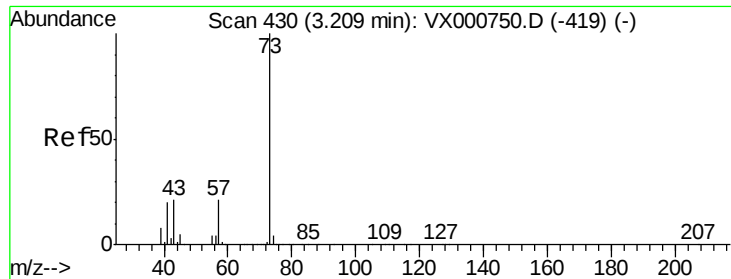
apatel
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#18
Methyl Acetate
Concen: 24.05 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.1	28.7





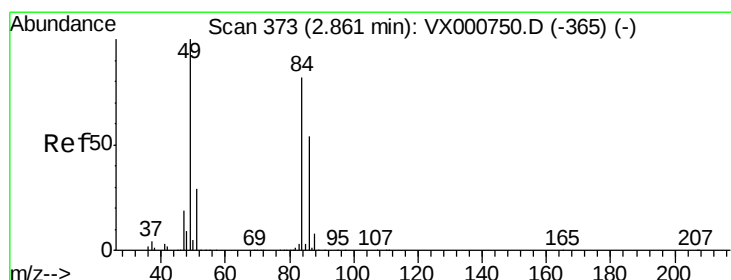
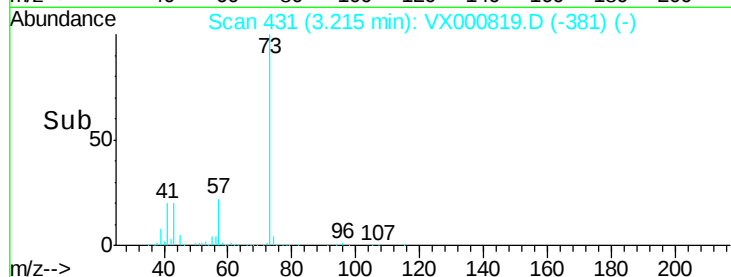
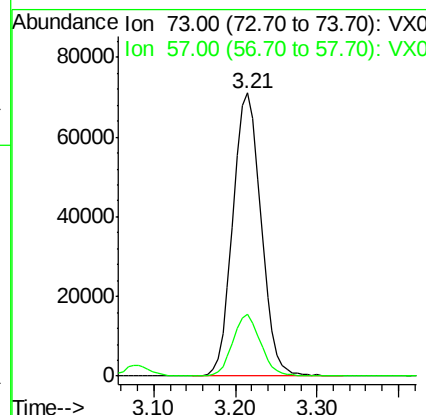
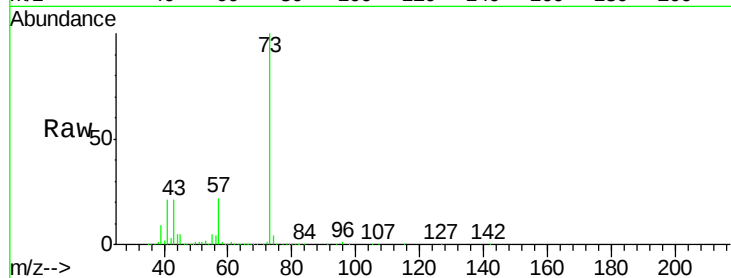
#19
Methyl tert-butyl Ether
Concen: 22.03 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.9	25.3

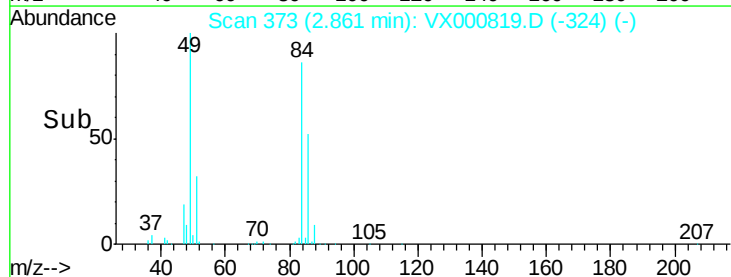
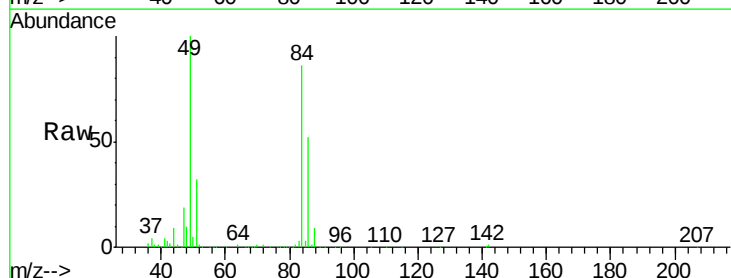
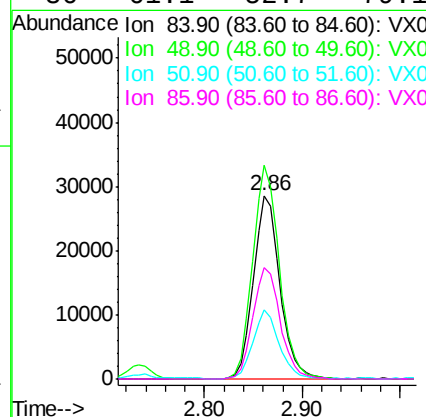
Manual Integrations
APPROVED

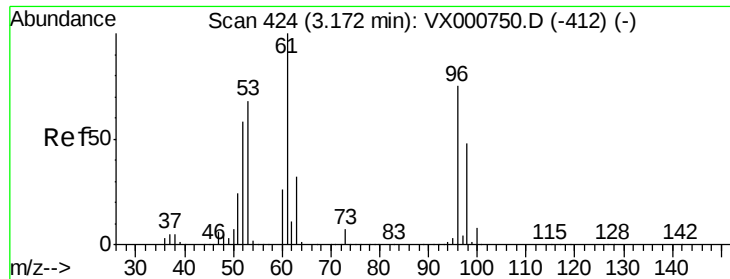
apatel
4/13/2018 2:58:18 PM



#20
Methylene Chloride
Concen: 21.10 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.5	98.1	147.1
51	37.5	28.9	43.3
86	61.1	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 20.71 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 96 Resp: 52824

Ion Ratio Lower Upper

96 100

61 127.8 106.2 159.2

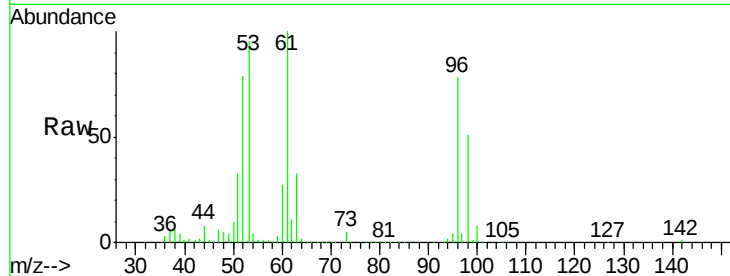
98 64.7 51.2 76.8

Manual Integrations

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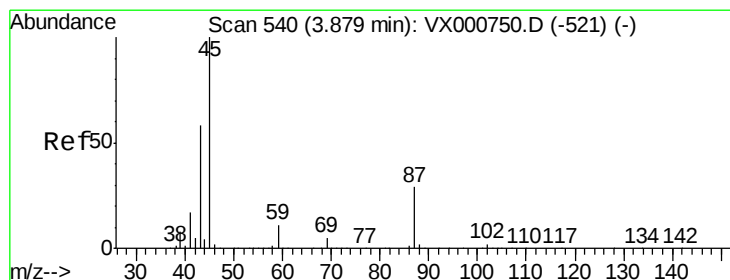
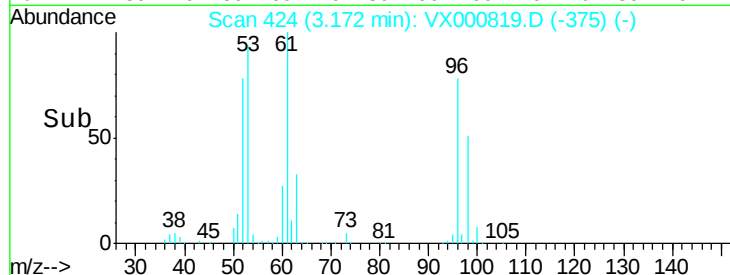
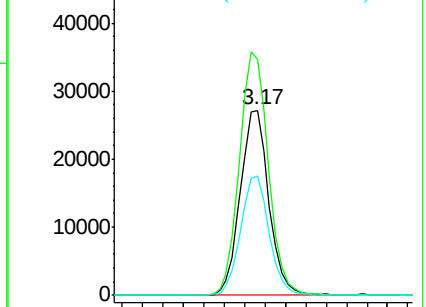
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.47 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion: 45 Resp: 176686

Ion Ratio Lower Upper

45 100

43 60.5 46.6 69.8

87 27.5 22.9 34.3

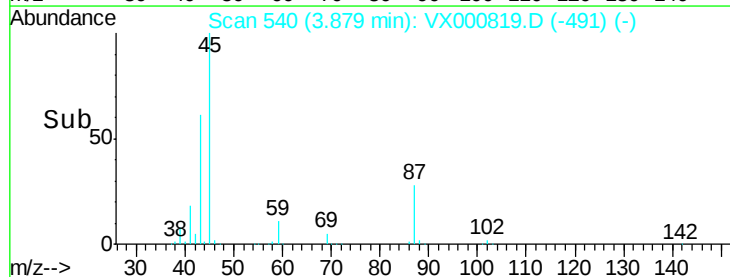
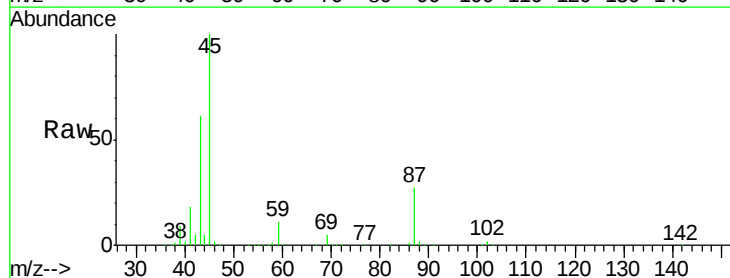
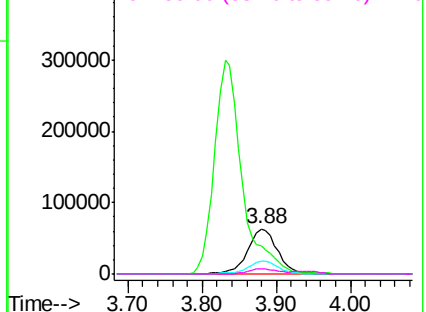
59 11.1 9.2 13.8

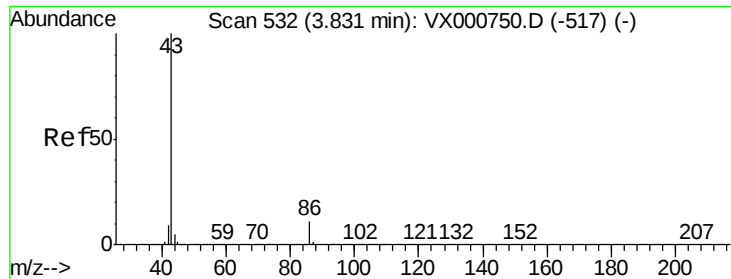
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 111.93 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 43 Resp: 772625

Ion Ratio Lower Upper

43 100

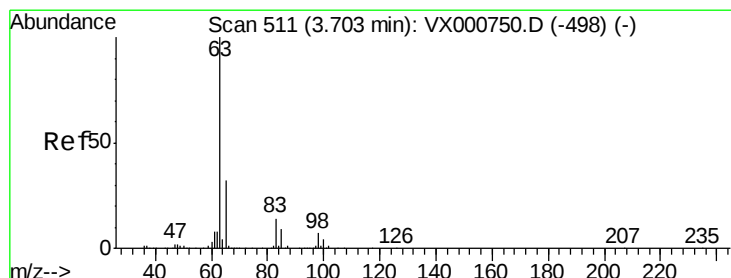
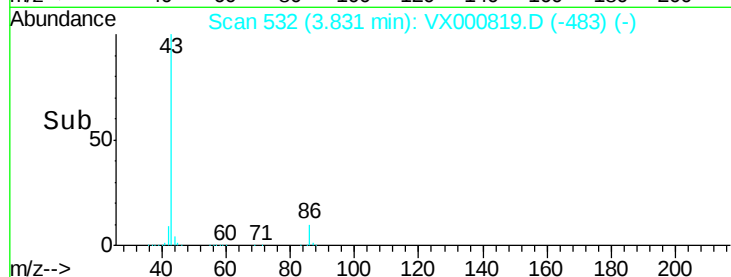
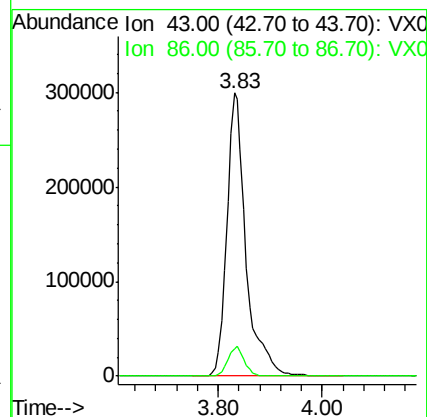
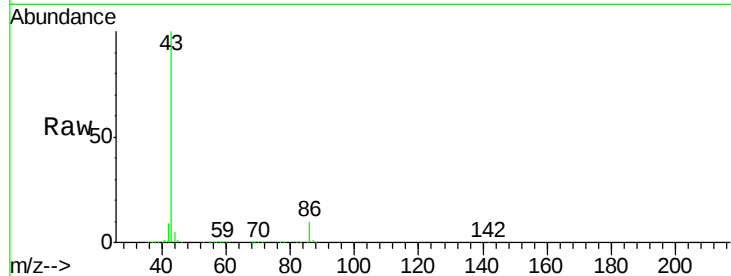
86 9.7 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.36 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

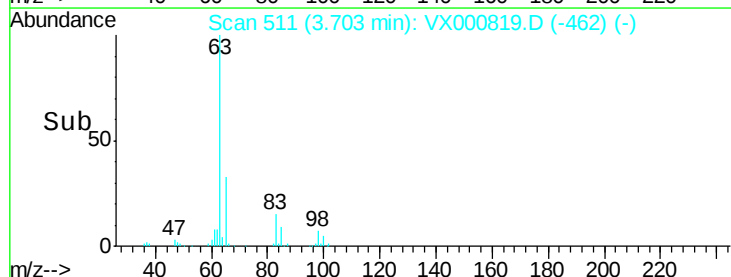
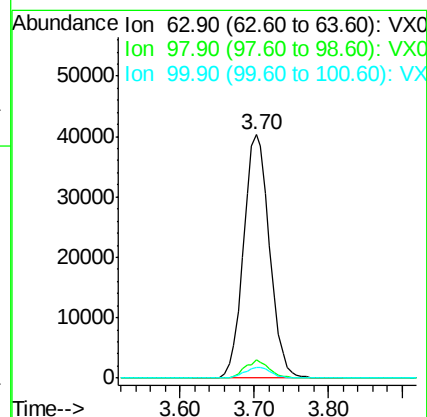
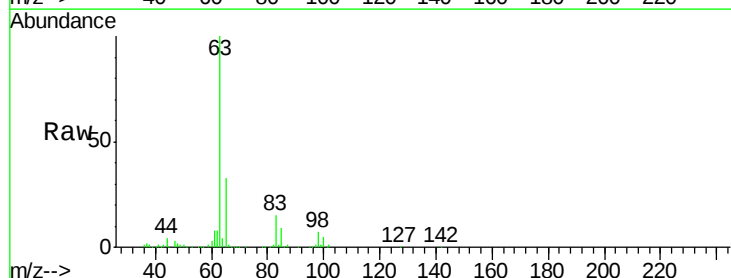
Tgt Ion: 63 Resp: 98622

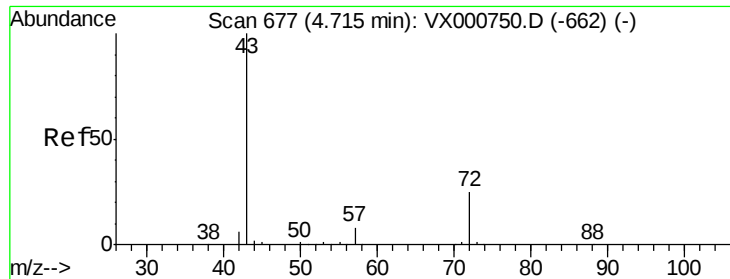
Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.9

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 111.34 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 43 Resp: 201533

Ion Ratio Lower Upper

43 100

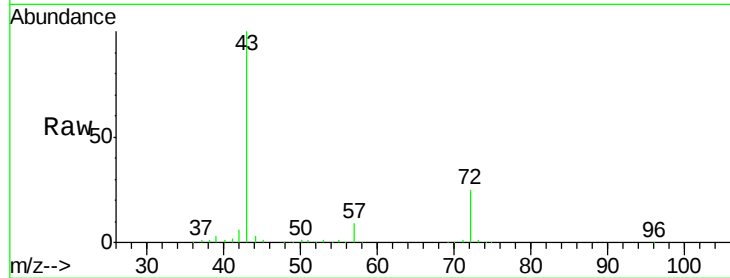
72 24.5 20.3 30.5

Manual Integrations

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apatel

4/13/2018 2:58:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

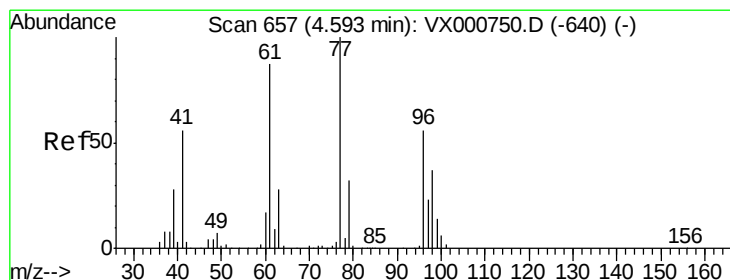
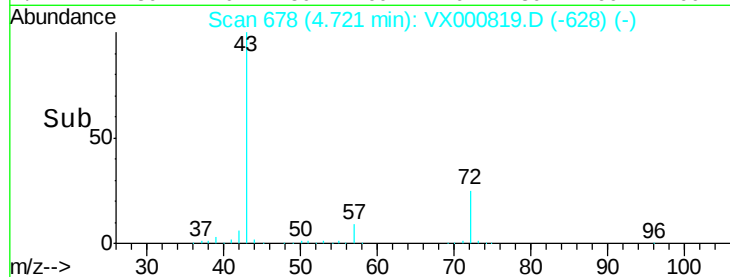
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.29 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000819.D

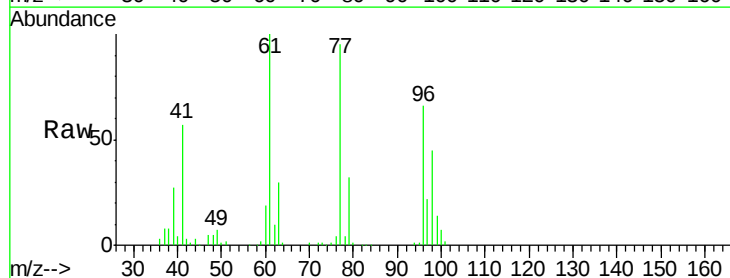
Acq: 12 Apr 2018 23:21

Tgt Ion: 77 Resp: 75728

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

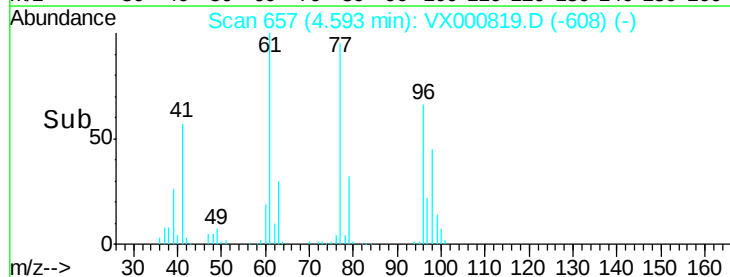
10000

5000

0

4.50 4.60 4.70

Time-->





#27

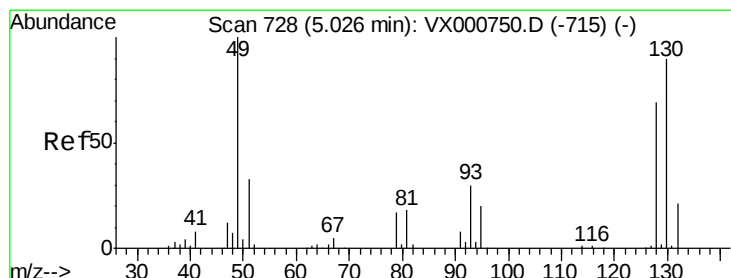
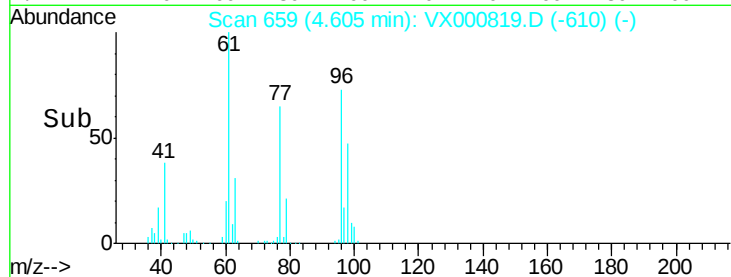
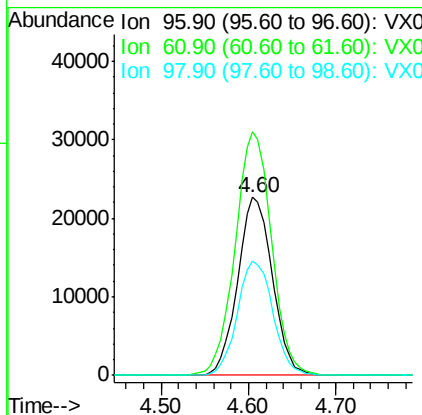
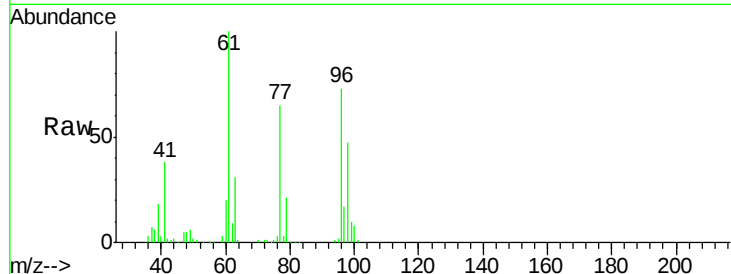
cis-1,2-Dichloroethene
 Concen: 21.67 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	292.4
98	65.4	0.0	130.2

Manual Integrations
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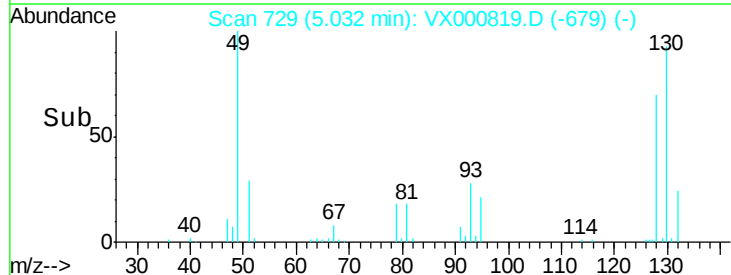
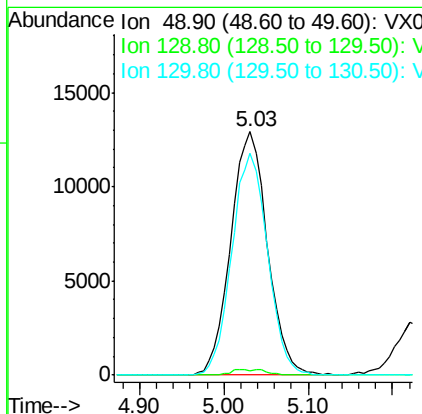
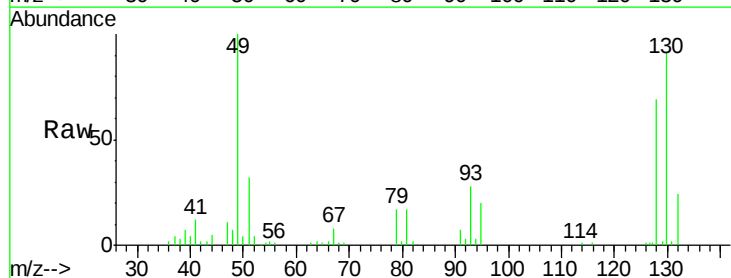
apatel
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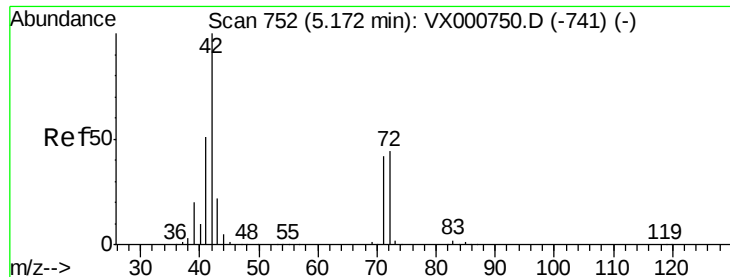


#28

Bromochloromethane
 Concen: 21.50 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	5.2
130	88.6	72.6	109.0





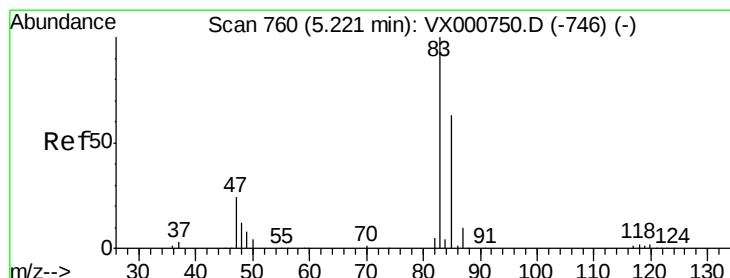
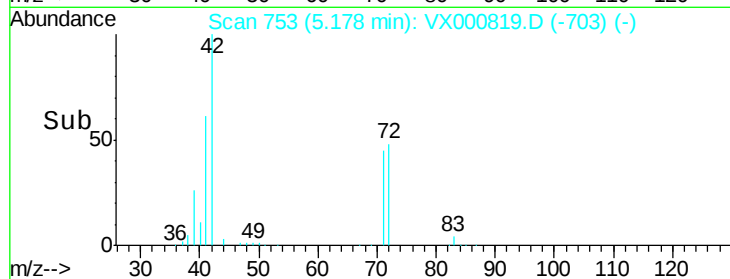
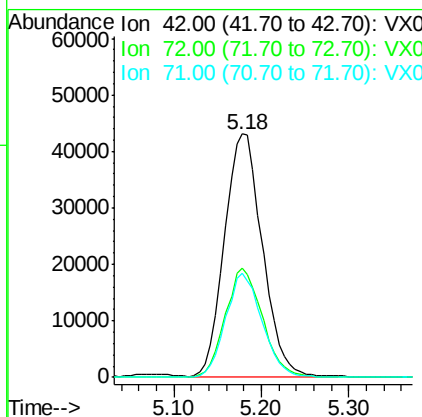
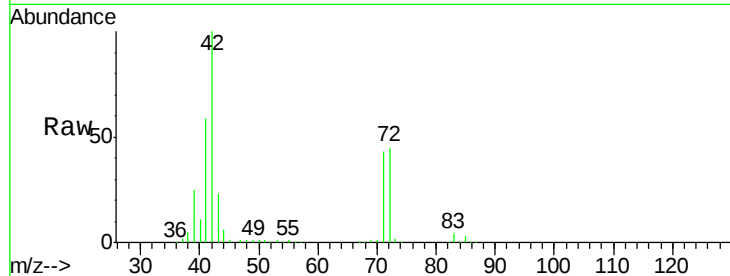
#29
Tetrahydrofuran
Concen: 112.49 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.1	52.7
71	41.5	32.8	49.2

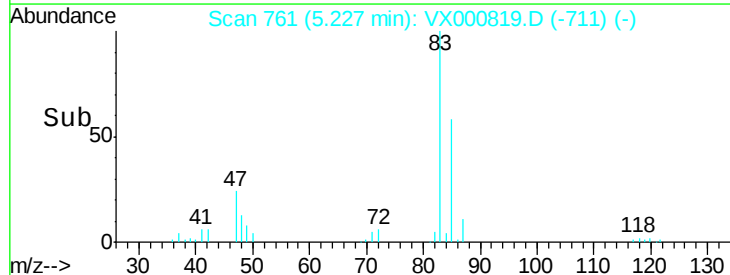
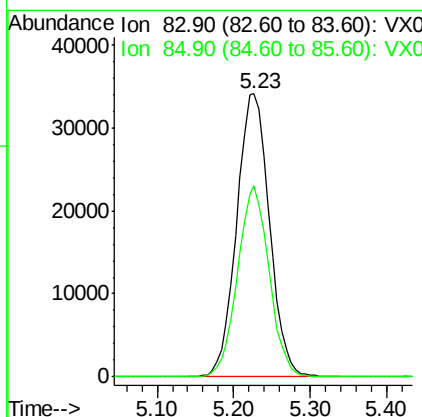
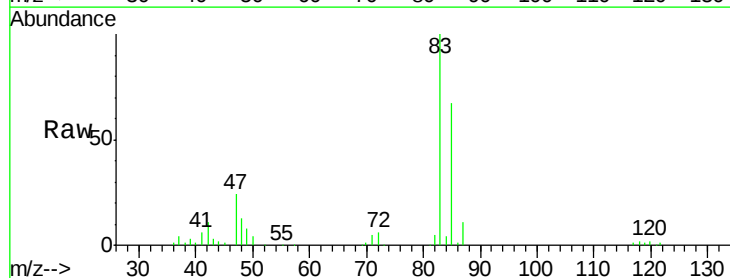
Manual Integrations
APPROVED

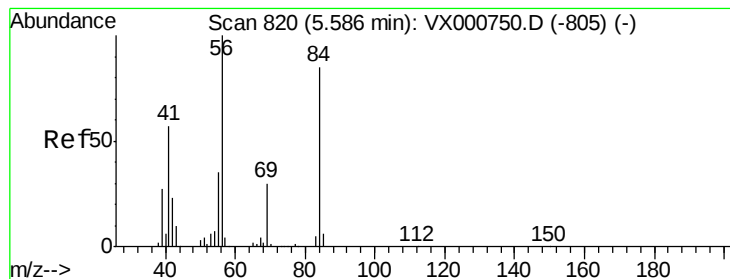
apatel
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#30
Chloroform
Concen: 21.74 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.7	76.1





#31

Cyclohexane

Concen: 20.52 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

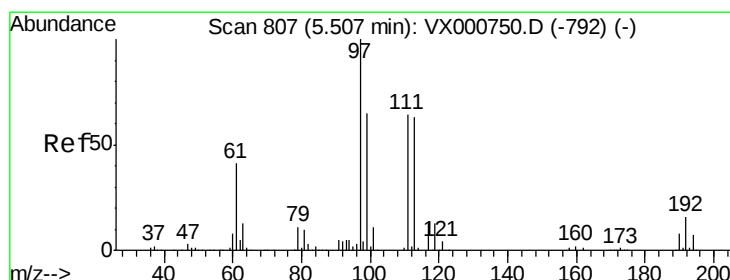
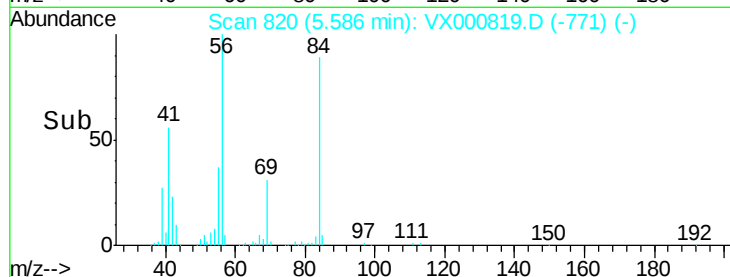
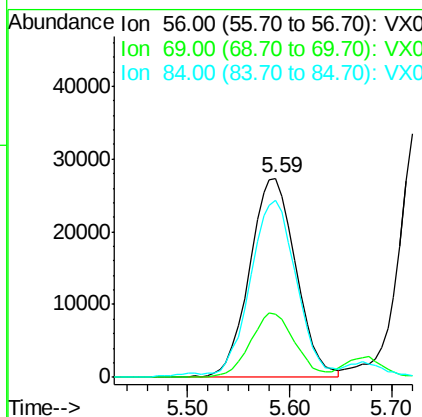
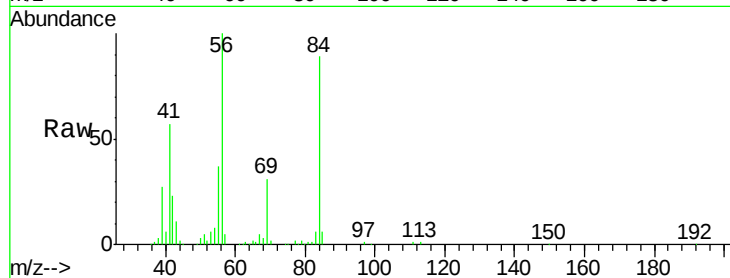
ClientSampleId :

VX0412WBSD02

Tot Ion:	56	Resp:	85990
Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.2	36.4
84	86.6	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.13 ug/l

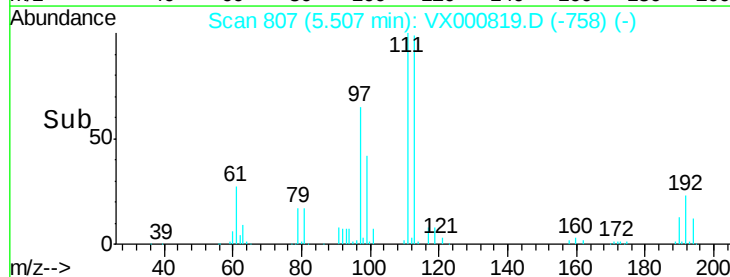
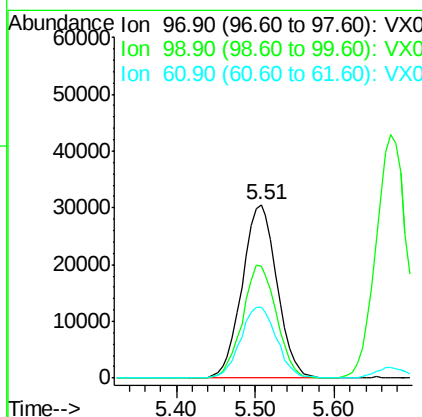
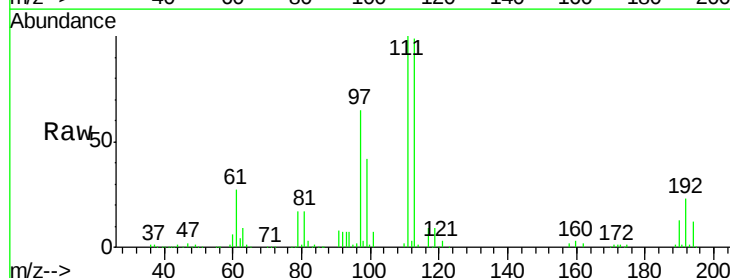
RT: 5.51 min Scan# 807

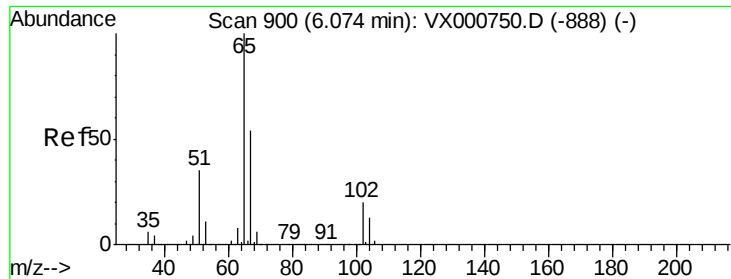
Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion:	97	Resp:	94007
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.0
61	42.1	33.7	50.5





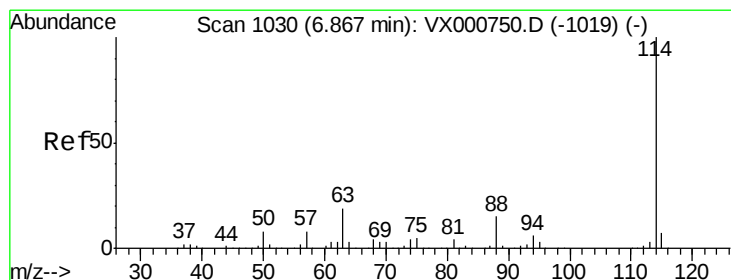
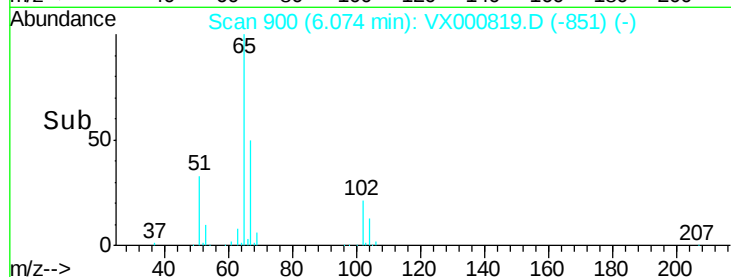
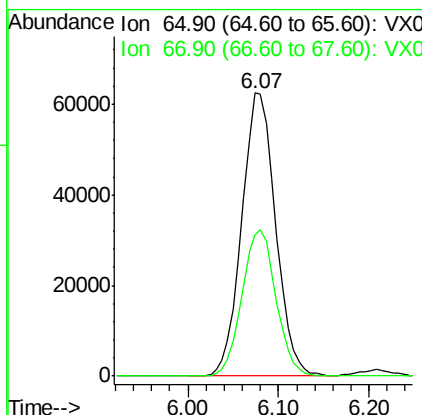
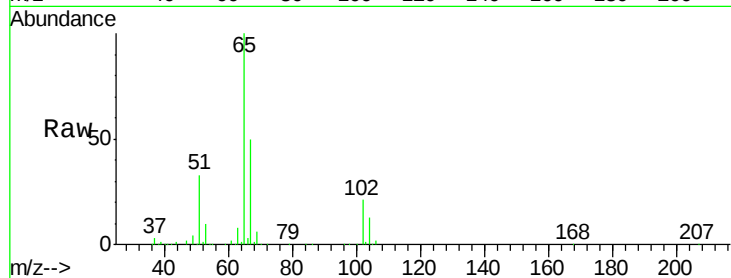
#33
 1,2-Dichloroethane-d4
 Concen: 50.88 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.8

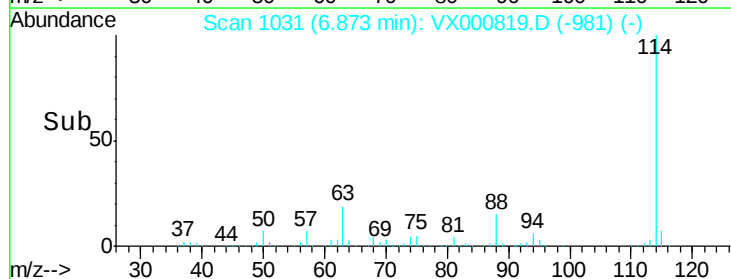
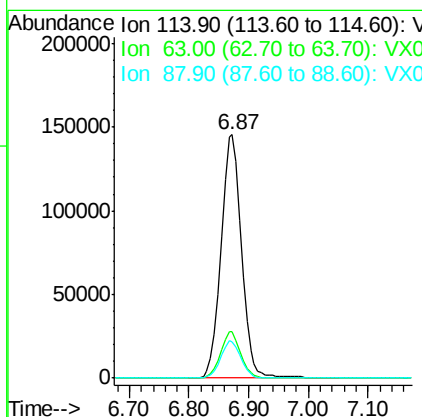
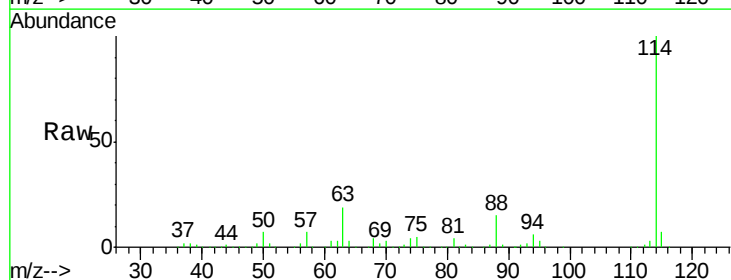
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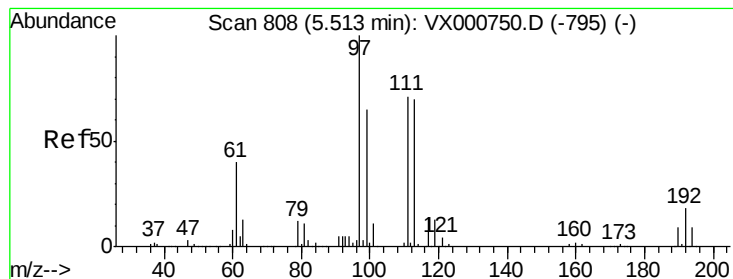
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	15.2	0.0	31.0





#35

Dibromofluoromethane

Concen: 50.71 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

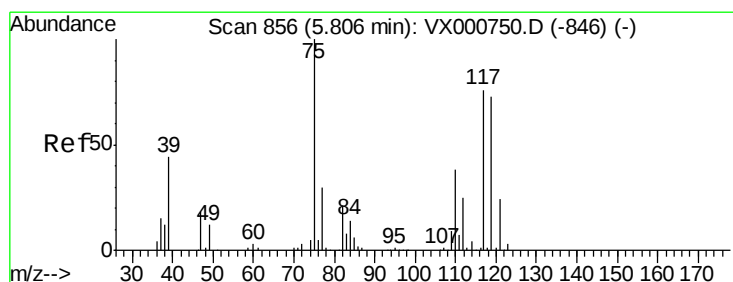
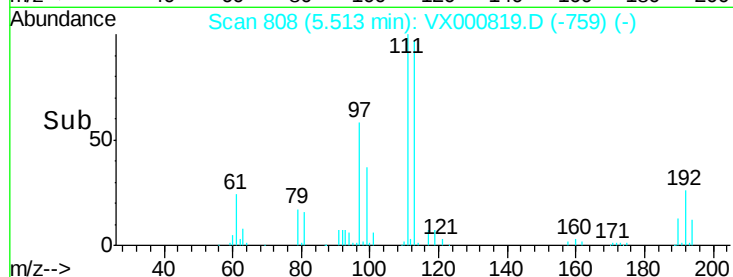
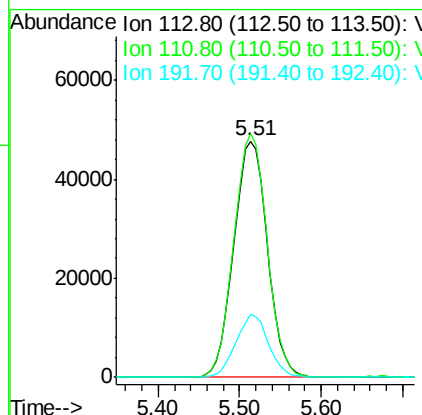
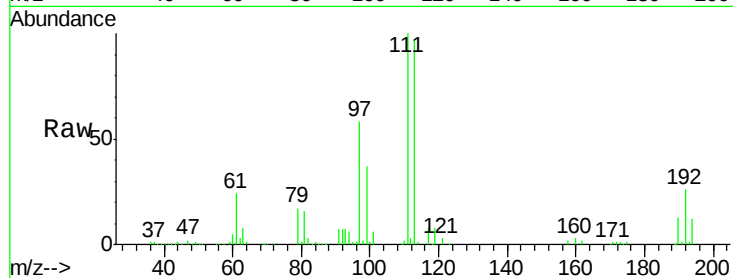
ClientSampleId :

VX0412WBSD02

Tot Ion:	113	Resp:	136232
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.5	122.3
192	25.8	20.4	30.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.96 ug/l

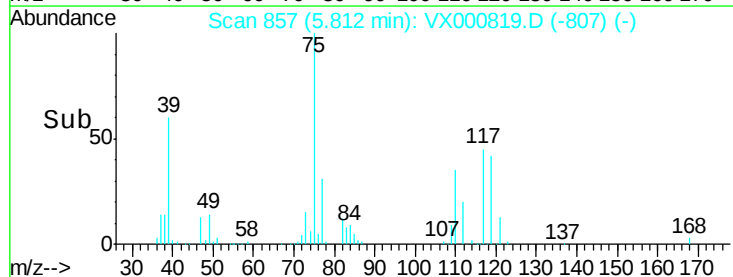
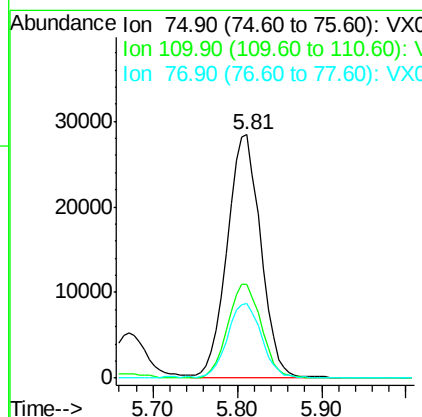
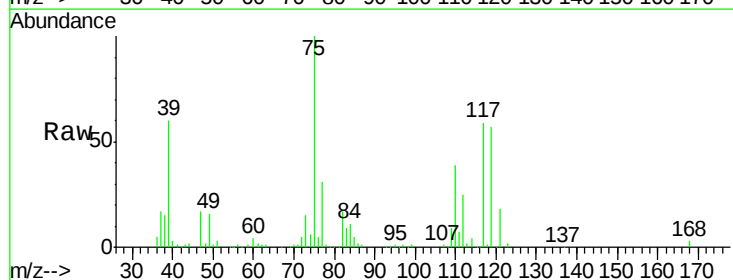
RT: 5.81 min Scan# 857

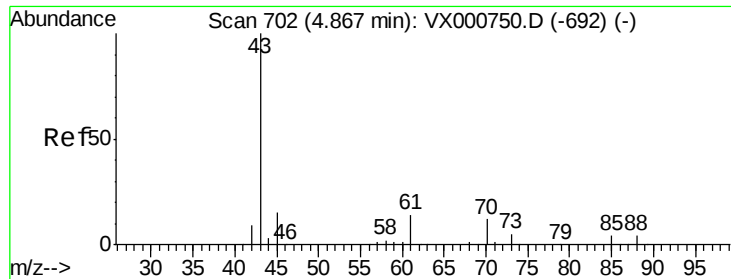
Delta R.T. 0.01 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion:	75	Resp:	76633
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.2	57.6
77	31.5	25.4	38.2





#37

Ethyl Acetate

Concen: 21.19 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

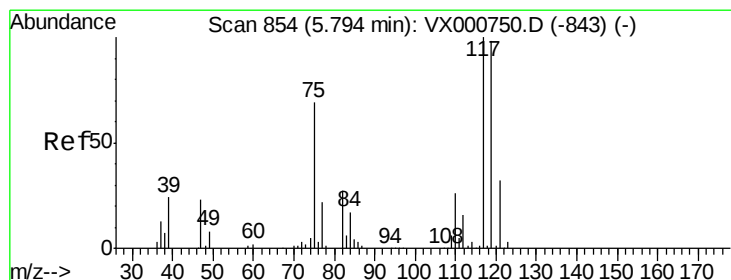
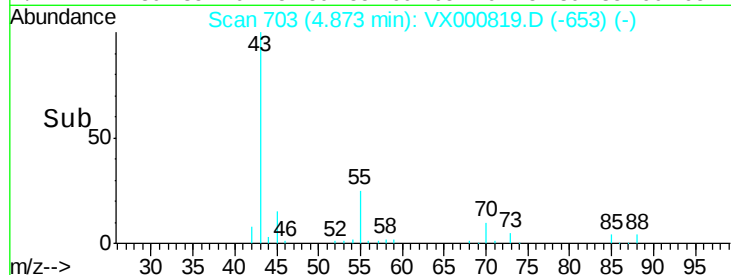
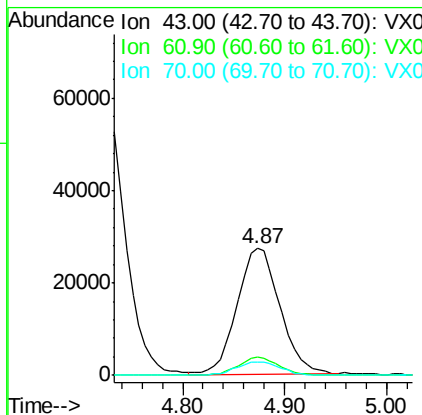
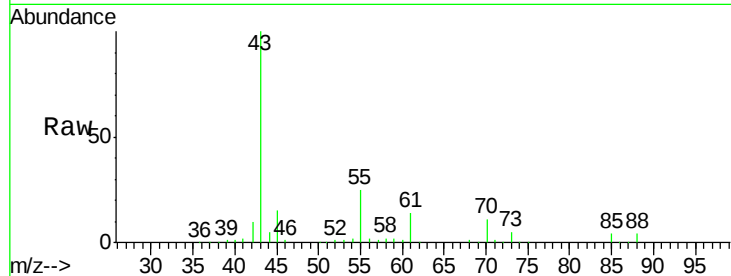
ClientSampleID :

VX0412WBSD02

Tot Ion:	43	Resp:	79438
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	11.2	8.7	13.1

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#38

Carbon Tetrachloride

Concen: 19.75 ug/l

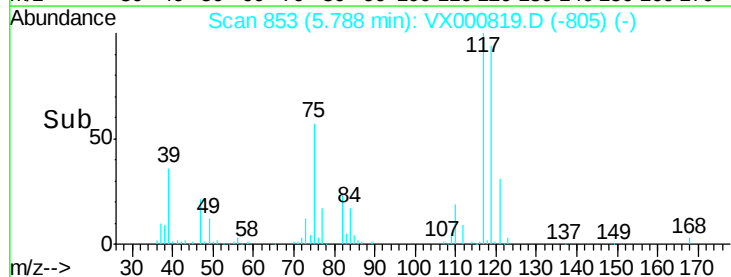
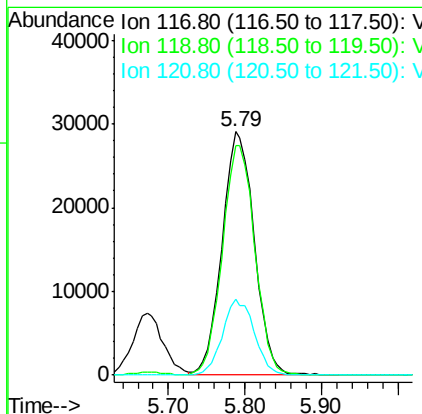
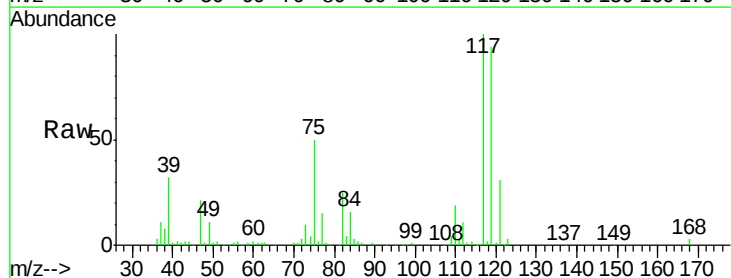
RT: 5.79 min Scan# 853

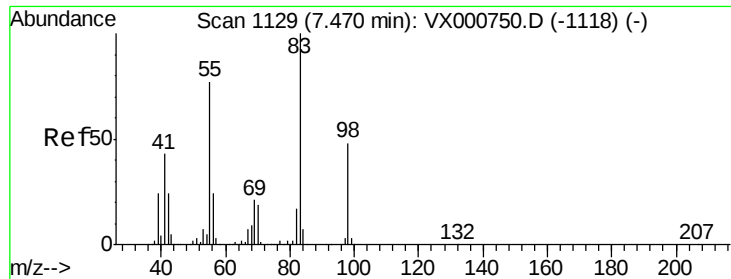
Delta R.T. -0.01 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion:	117	Resp:	84871
Ion	Ratio	Lower	Upper
117	100		
119	94.3	78.4	117.6
121	30.9	25.4	38.0





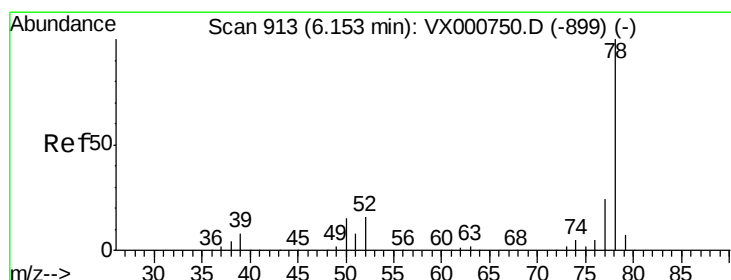
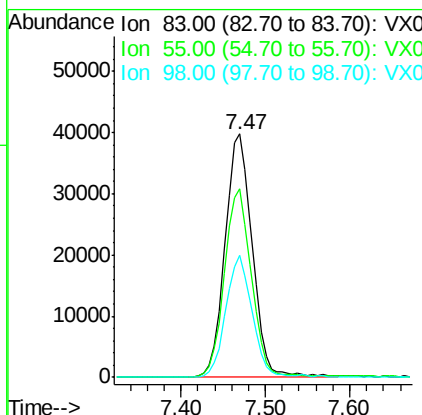
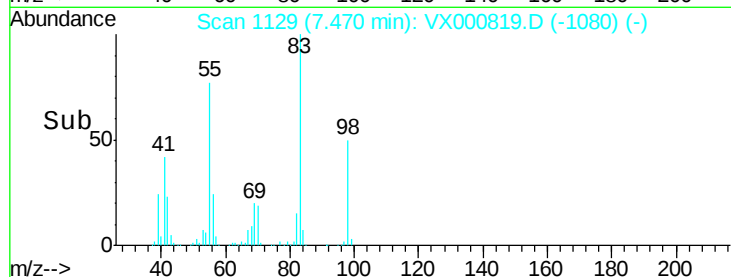
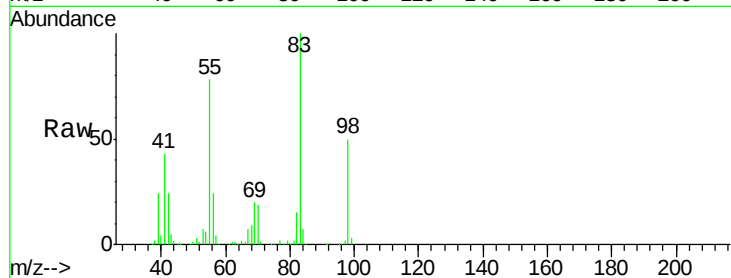
#39
Methvlcvclohexane
Concen: 19.12 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.4	61.5	92.3	
98	50.2	38.1	57.1	

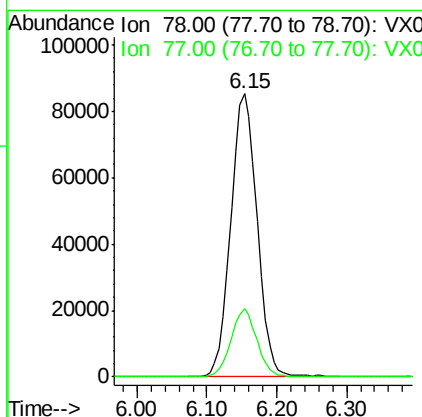
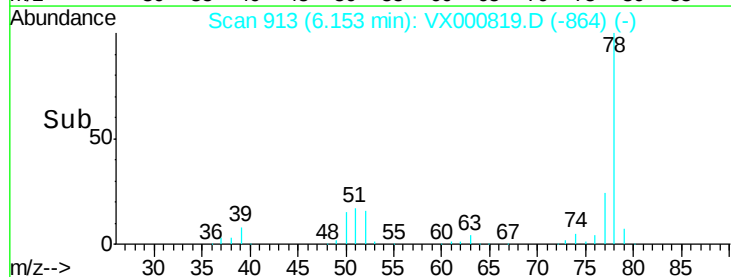
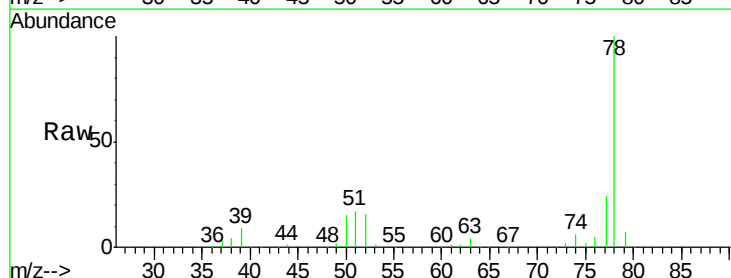
Manual Integrations
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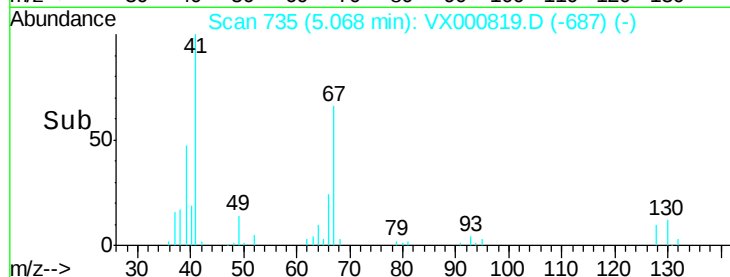
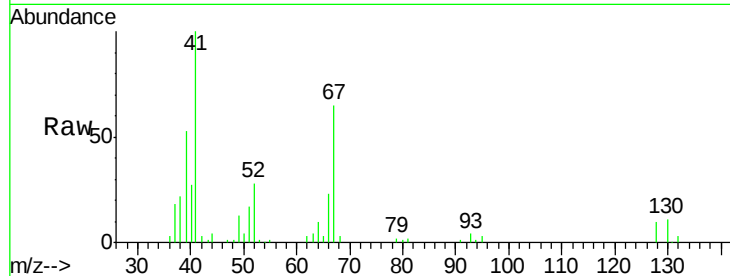
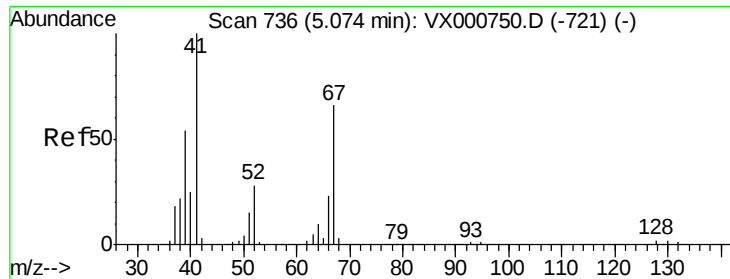
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#40
Benzene
Concen: 21.01 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	19.0	28.6	





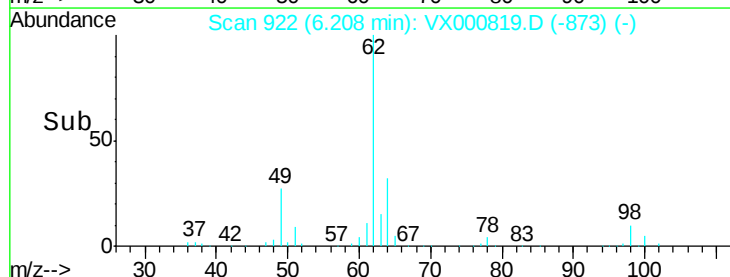
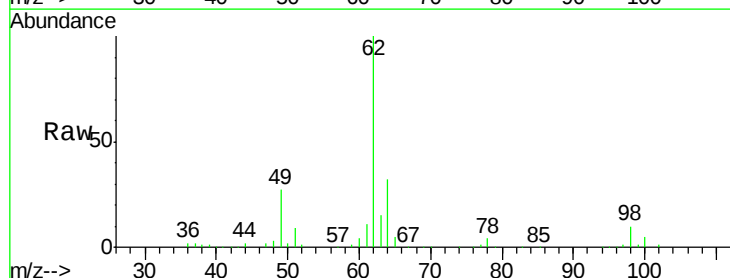
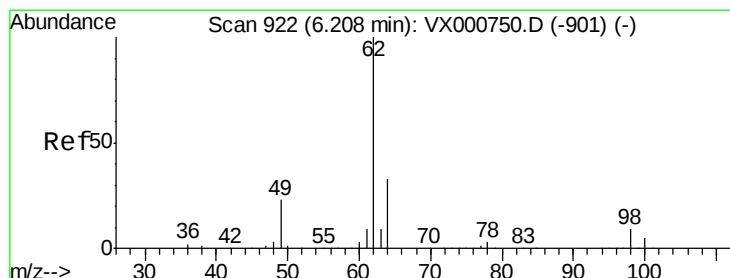
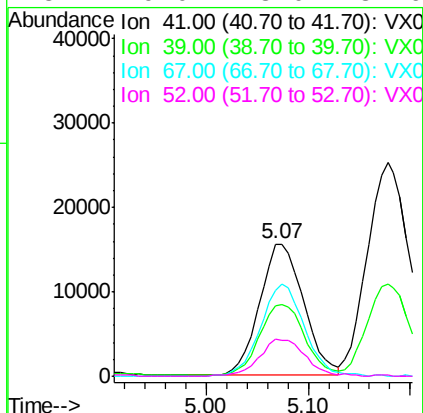
#41
Methacrylonitrile
Concen: 21.66 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.9	67.3
67	69.0	54.7	82.1
52	29.0	23.0	34.6

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

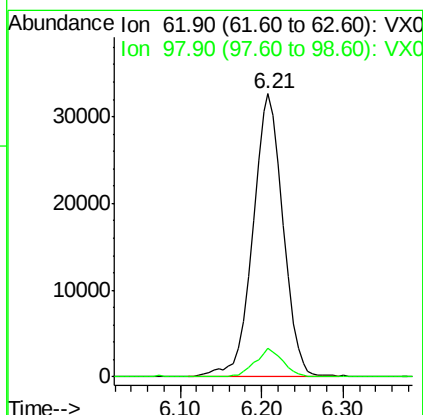
Manual Integrations
APPROVED

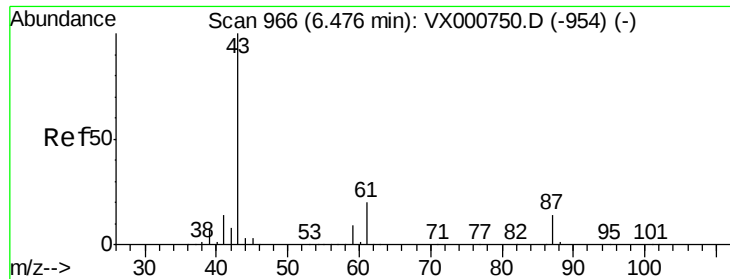
apatel
4/13/2018 2:58:18 PM



#42
1,2-Dichloroethane
Concen: 21.15 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

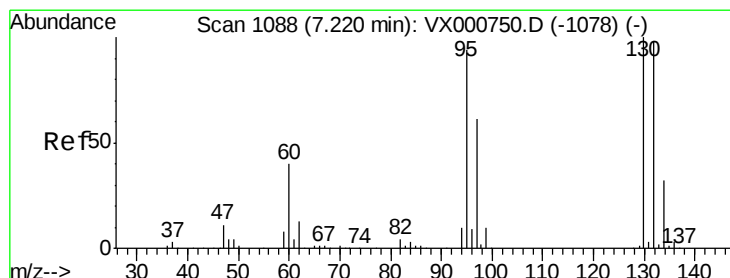
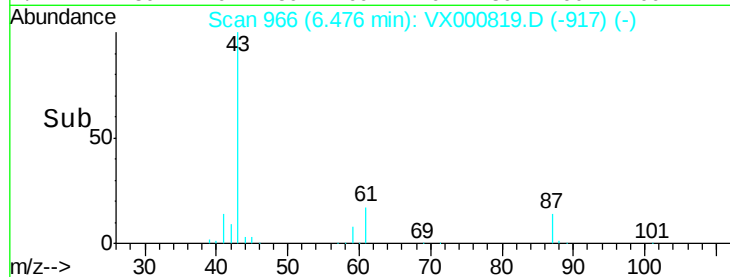
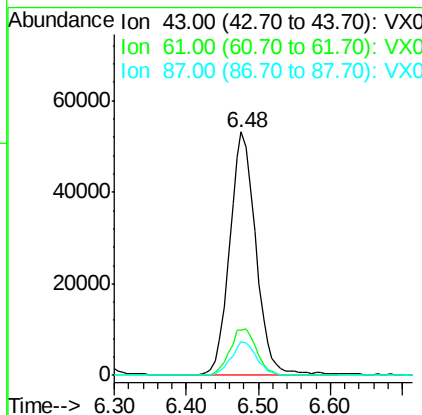
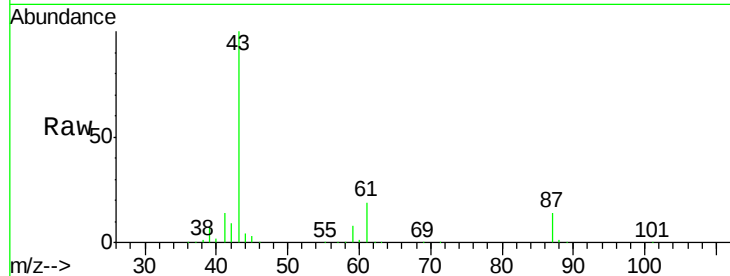
Isopropyl Acetate
 Concen: 20.73 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD02

Tot Ion:	43	Resp:	133236
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.6	23.4
87	13.7	10.7	16.1

Manual Integrations
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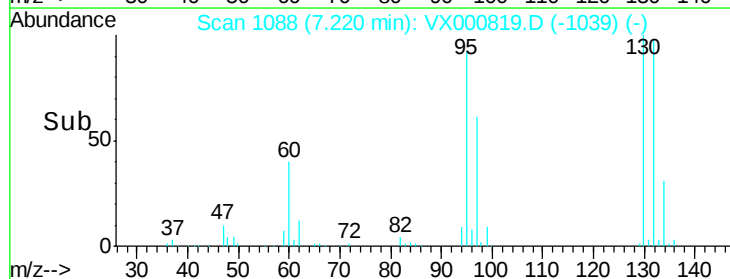
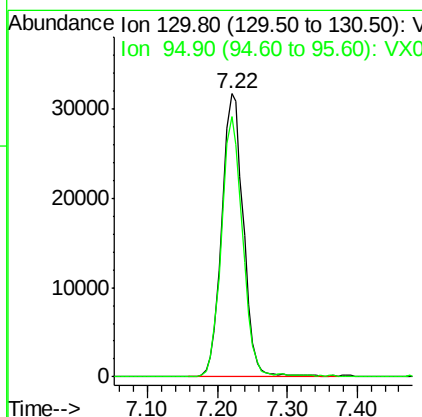
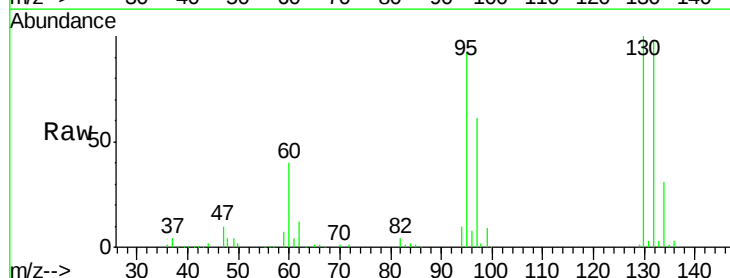
apatel
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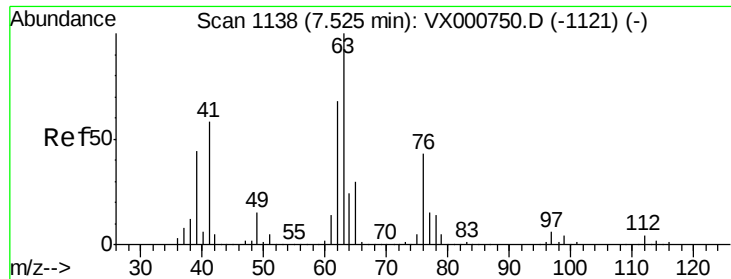


#44

Trichloroethene
 Concen: 20.62 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Tgt Ion:	130	Resp:	68432
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.80 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 63 Resp: 56527

Ion Ratio Lower Upper

63 100

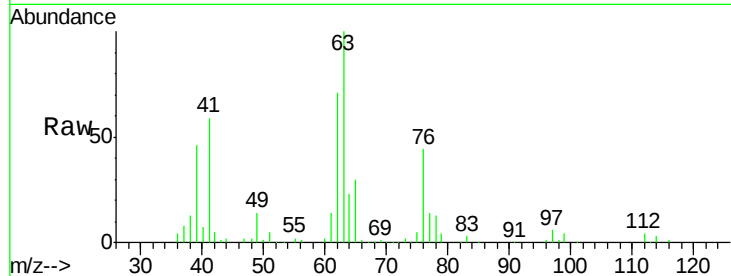
65 29.9 23.7 35.5

Manual Integrations

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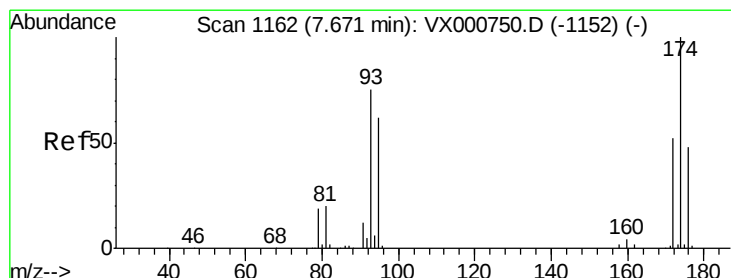
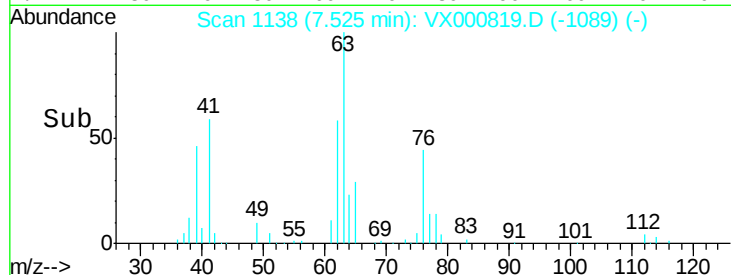
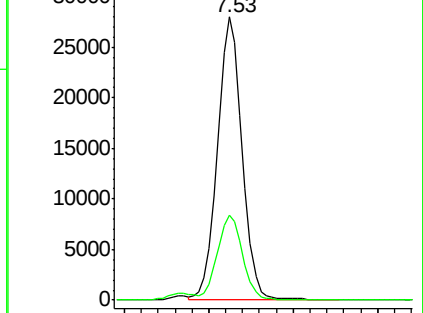
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.73 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

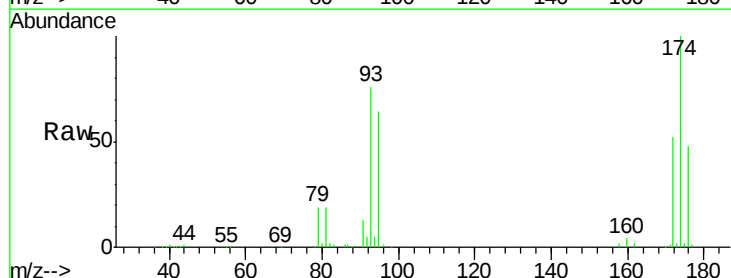
Tgt Ion: 93 Resp: 39277

Ion Ratio Lower Upper

93 100

95 82.5 66.6 100.0

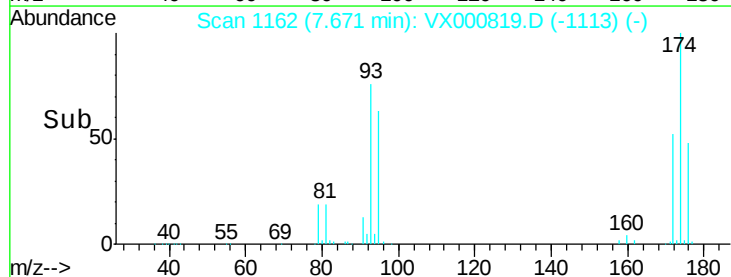
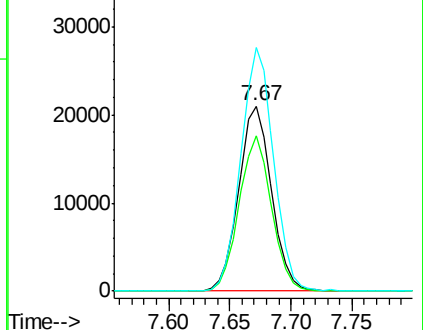
174 130.5 104.5 156.7

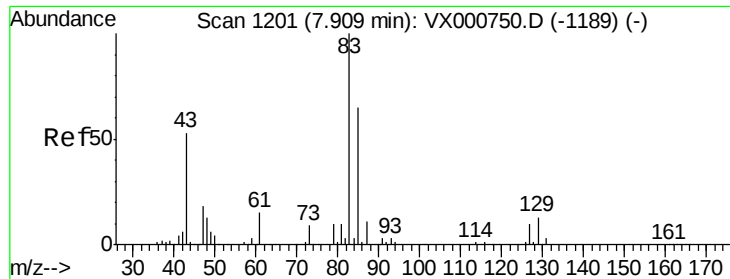


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





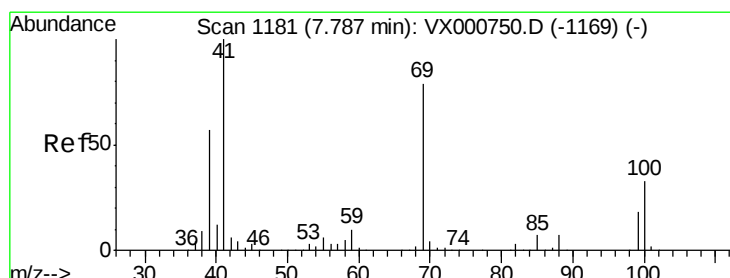
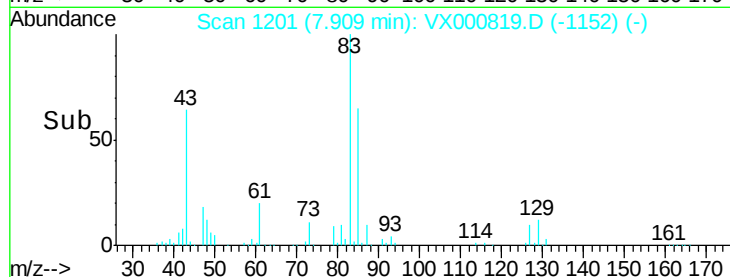
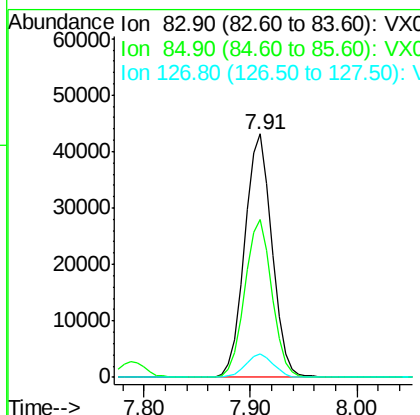
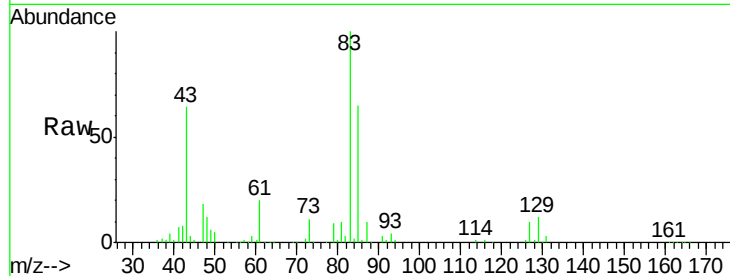
#47
Bromodichloromethane
Concen: 20.31 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	83	Resp	77663
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	52.2	78.4
127	9.8	7.8	11.8

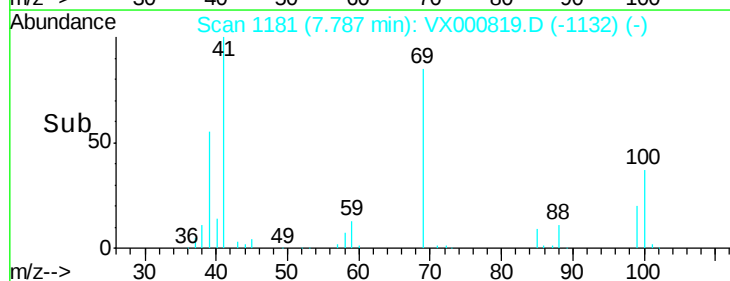
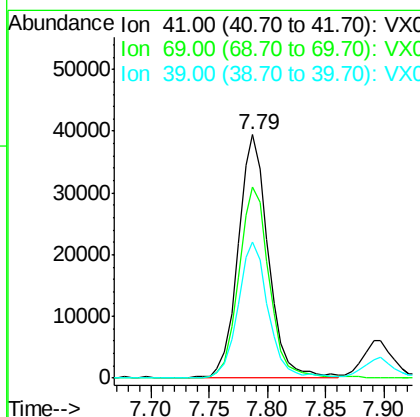
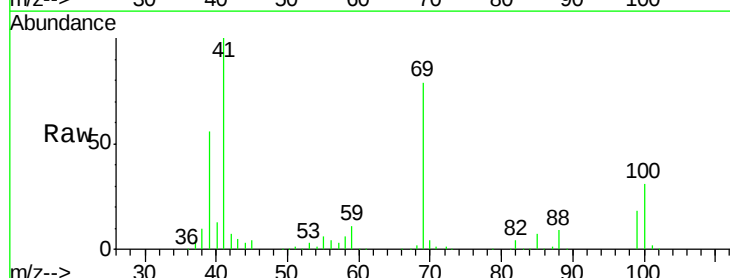
Manual Integrations
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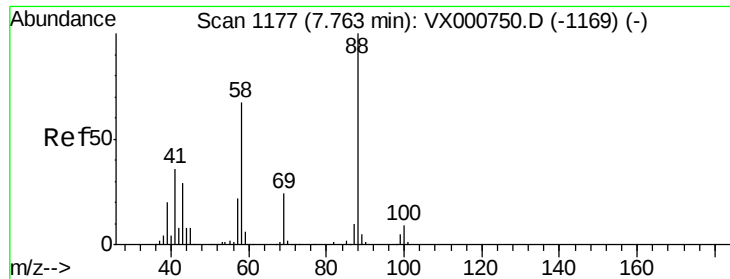
apatel
4/13/2018 2:58:18 PM



#48
Methyl methacrylate
Concen: 21.28 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	41	Resp	70904
Ion Ratio	100	Lower	Upper
41	100		
69	80.1	63.9	95.9
39	55.1	45.9	68.9





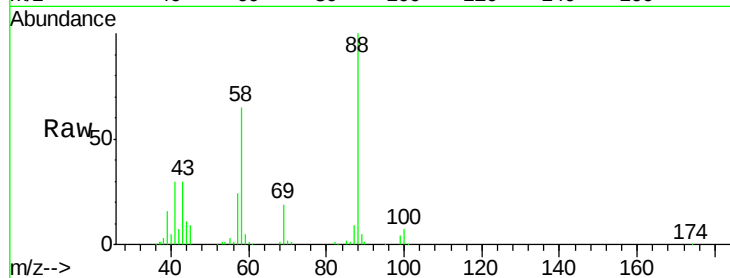
#49
1,4-Dioxane
Concen: 402.31 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	25.8	38.8
58	70.0	54.4	81.6

Manual Integrations
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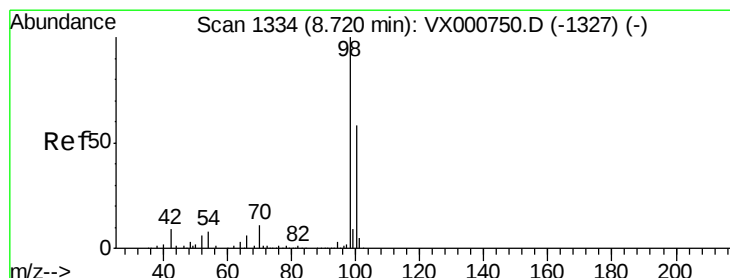
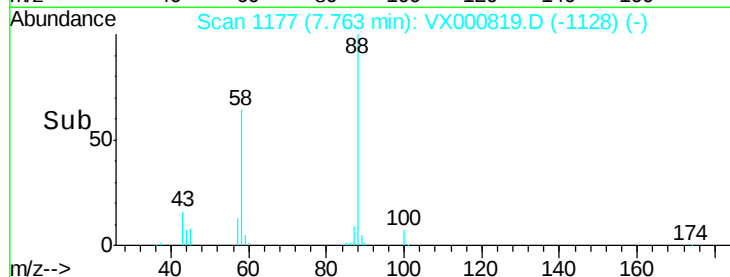
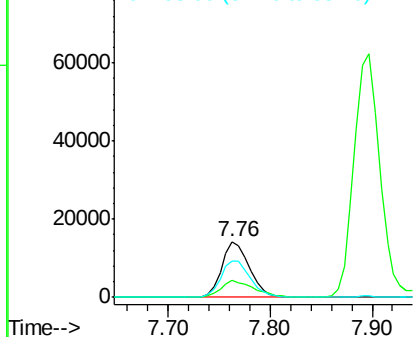


Abundance

Ion 88.00 (87.70 to 88.70): VX0

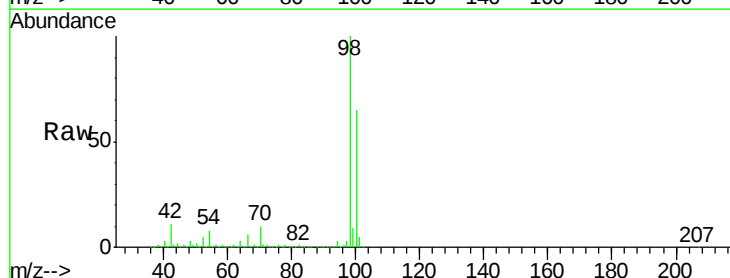
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.01 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

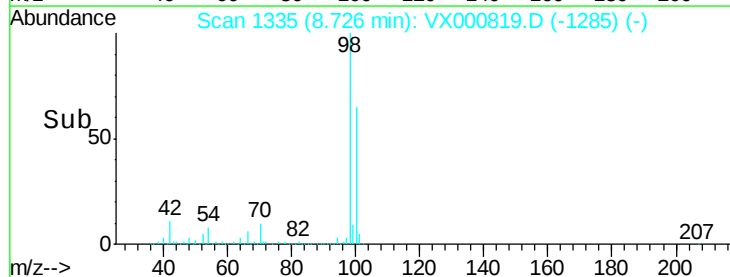
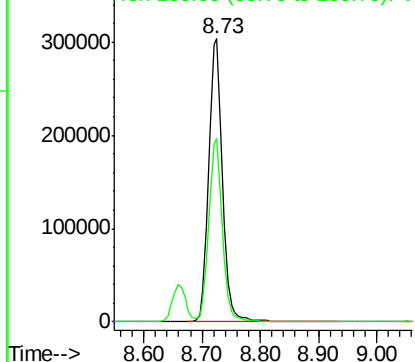
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.6	79.0



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 109.74 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 43 Resp: 414336

Ion Ratio Lower Upper

43 100

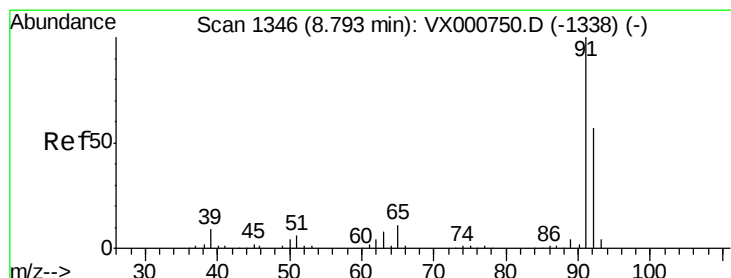
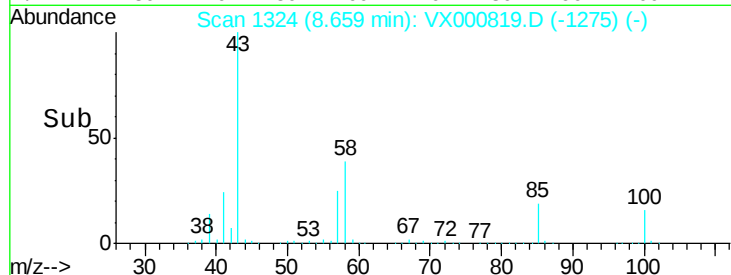
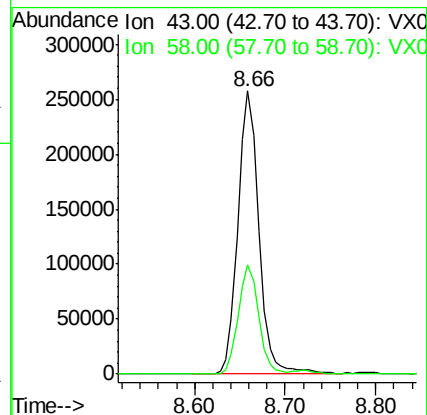
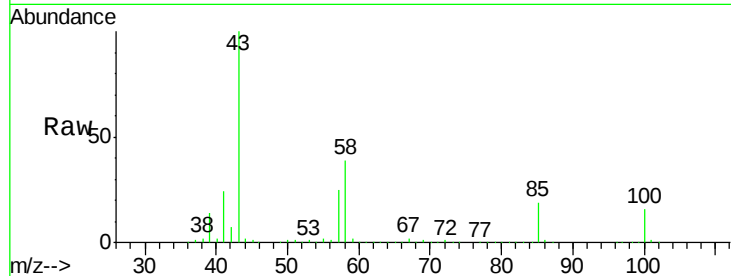
58 37.6 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 20.66 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000819.D

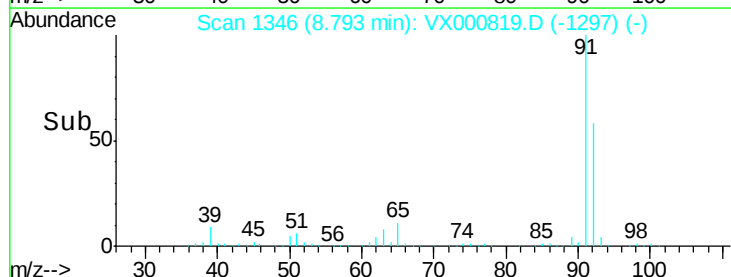
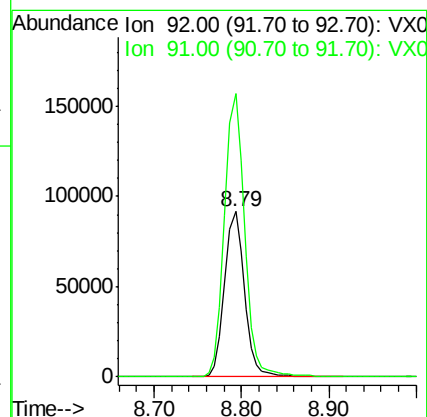
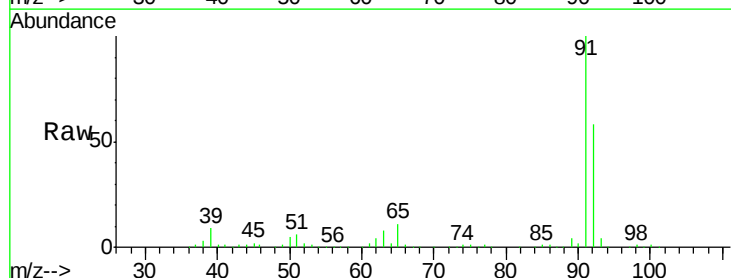
Acq: 12 Apr 2018 23:21

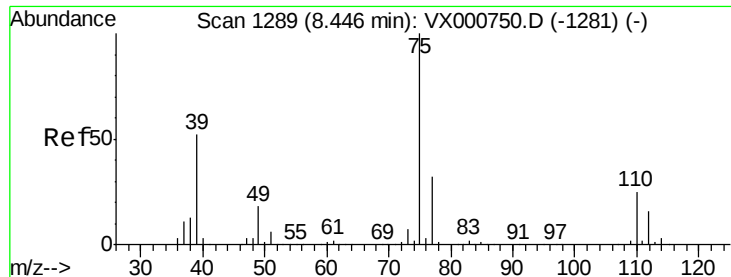
Tgt Ion: 92 Resp: 146241

Ion Ratio Lower Upper

92 100

91 172.6 139.0 208.4





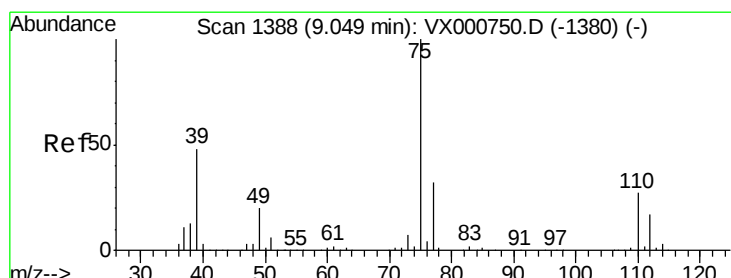
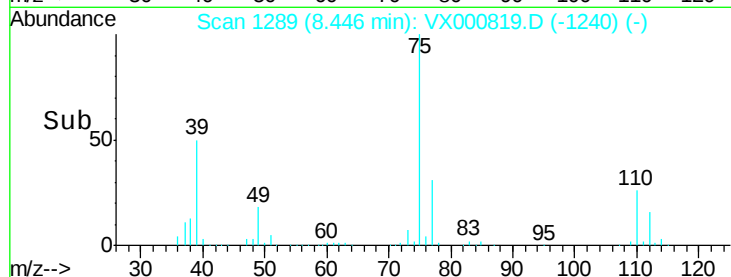
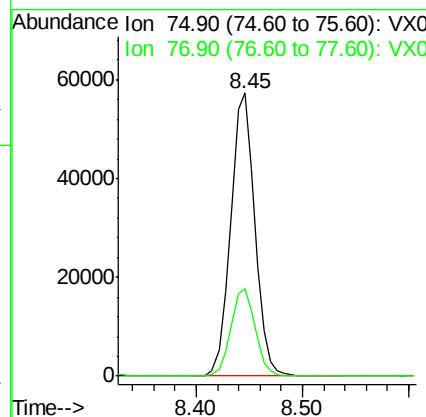
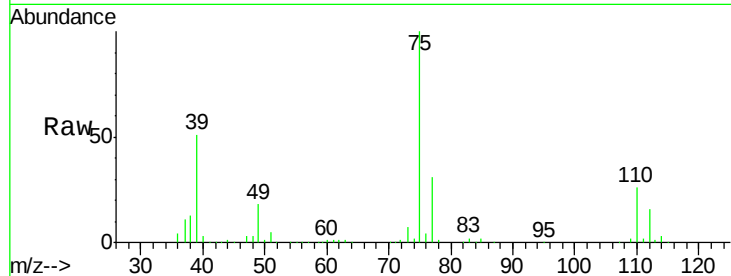
#53
t-1,3-Dichloropropene
Concen: 19.86 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion: 75 Resp: 91093
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

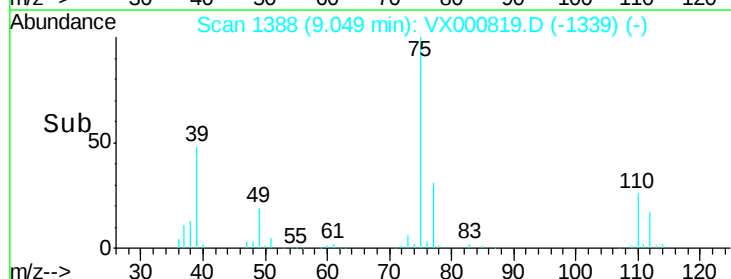
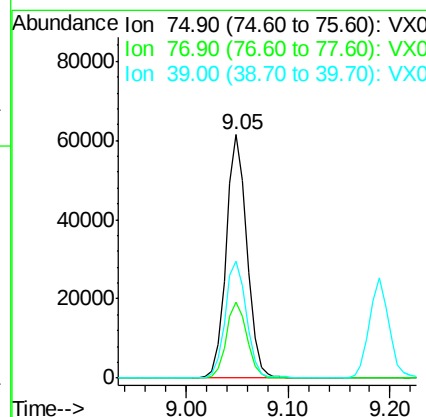
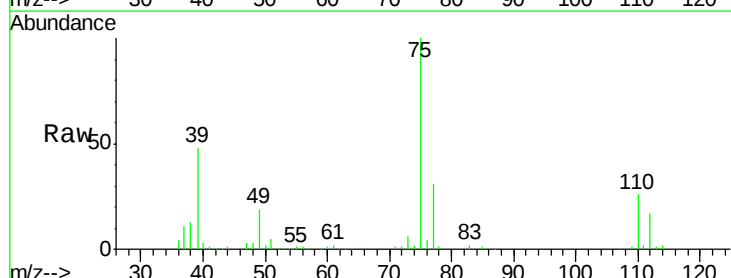
Manual Integrations
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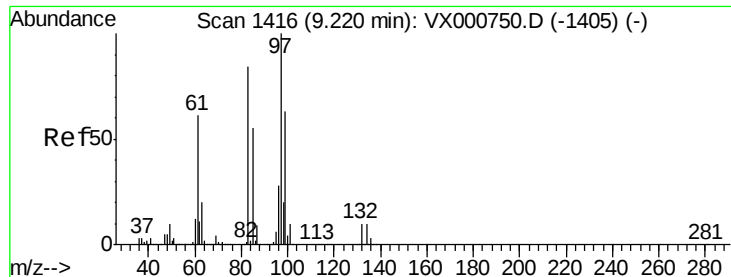
apatel
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#54
cis-1,3-Dichloropropene
Concen: 19.44 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion: 75 Resp: 86797
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2
39 47.9 38.6 58.0





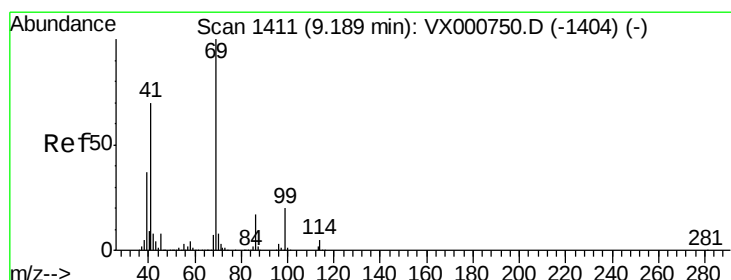
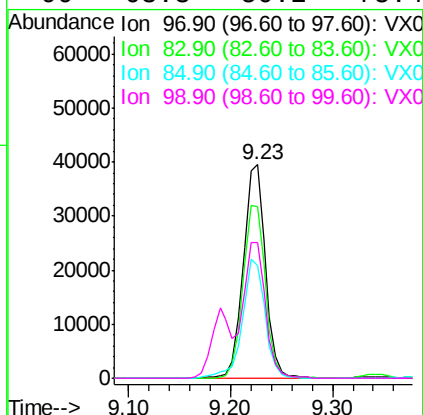
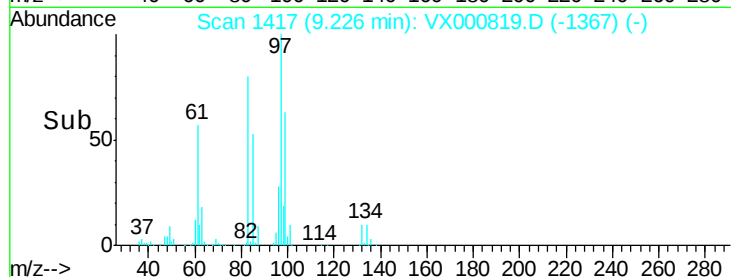
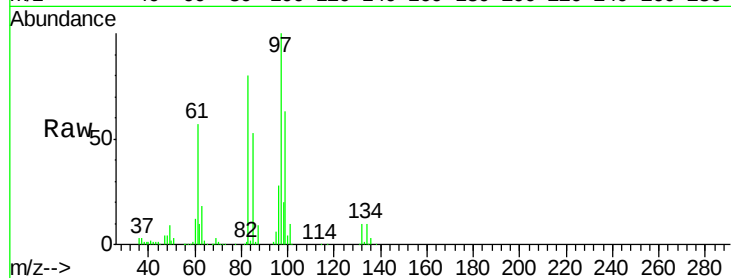
#55
 1,1,2-Trichloroethane
 Concen: 20.99 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD02

Tot Ion:	97	Resp:	58987
Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.6	101.4
85	52.5	43.8	65.6
99	63.3	50.2	75.4

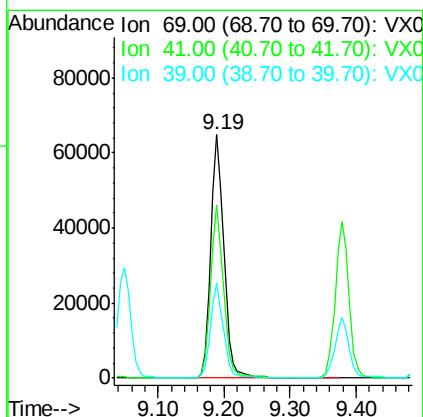
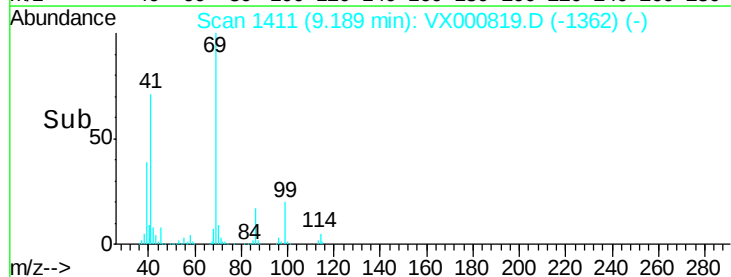
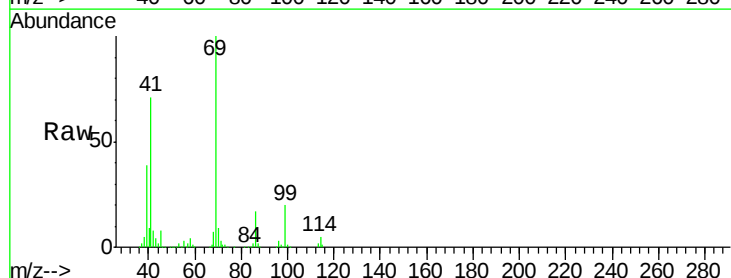
Manual Integrations
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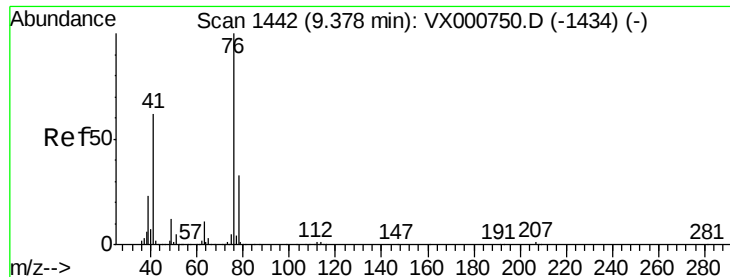
apatel
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#56
 Ethyl methacrylate
 Concen: 20.74 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Tgt Ion:	69	Resp:	89906
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.6	83.4
39	37.7	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.74 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 76 Resp: 97153

Ion Ratio Lower Upper

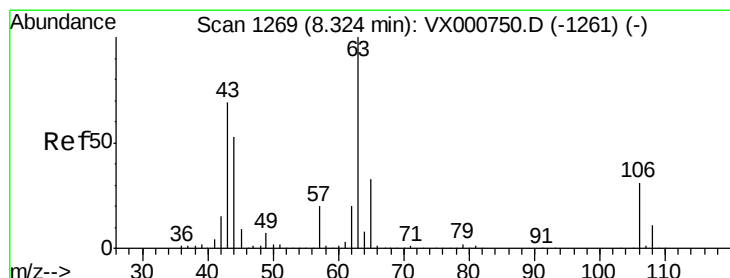
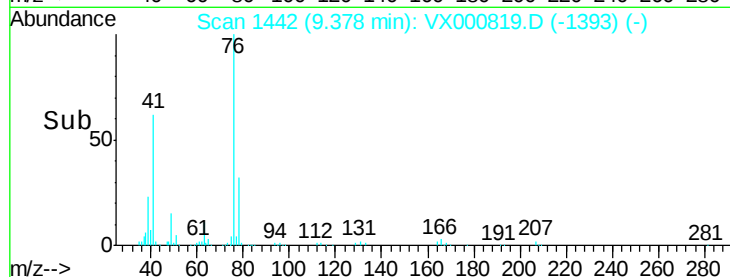
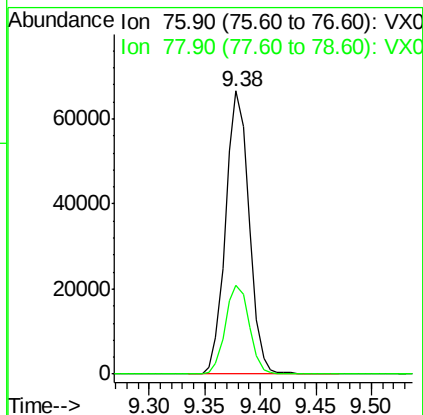
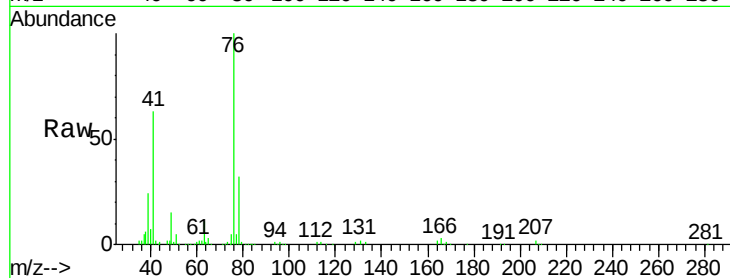
76 100

78 32.2 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 109.71 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000819.D

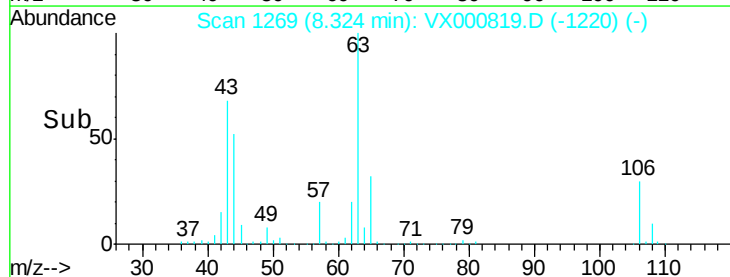
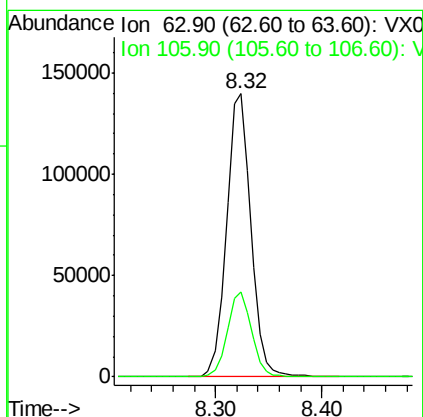
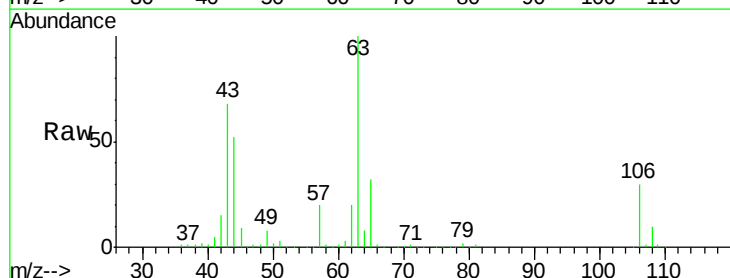
Acq: 12 Apr 2018 23:21

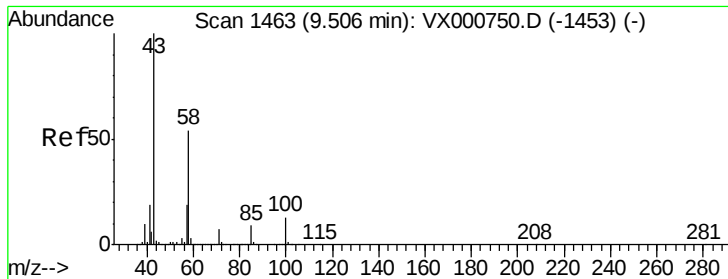
Tgt Ion: 63 Resp: 222226

Ion Ratio Lower Upper

63 100

106 30.1 24.3 36.5





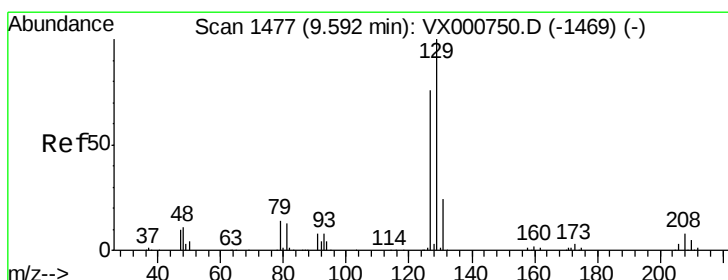
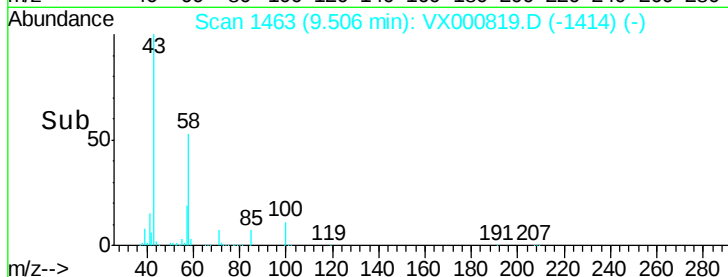
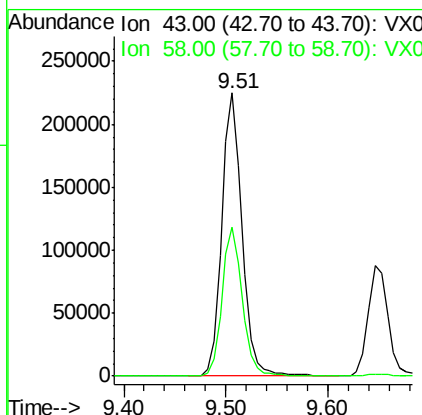
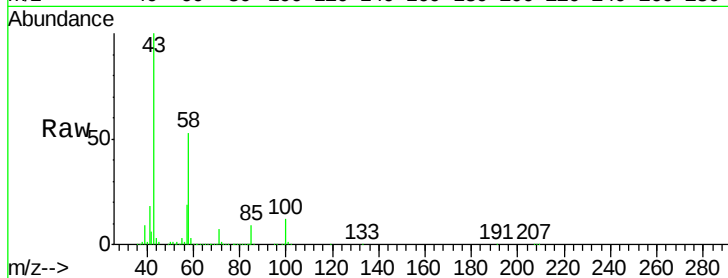
#59
2-Hexanone
Concen: 106.40 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	43	Resp	310130
Ion Ratio	100	Lower	Upper
43	100		
58	52.7	26.5	79.5

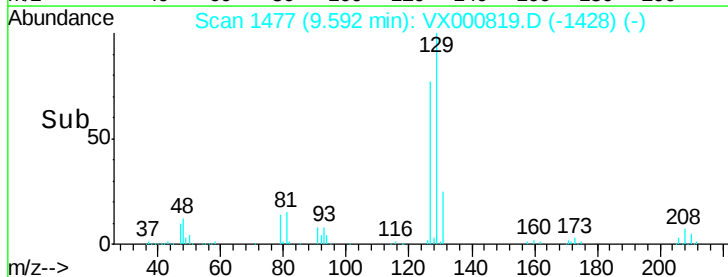
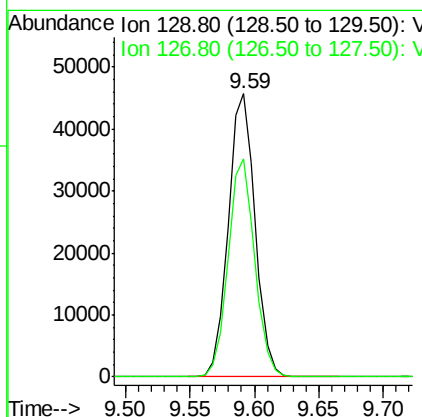
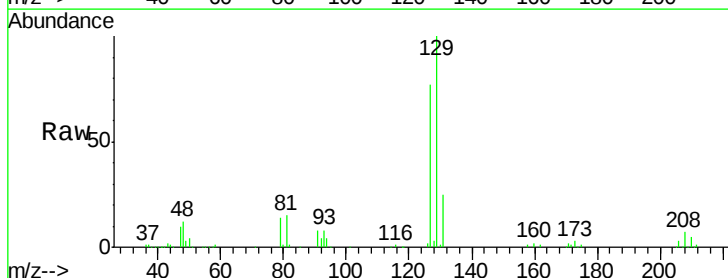
Manual Integrations
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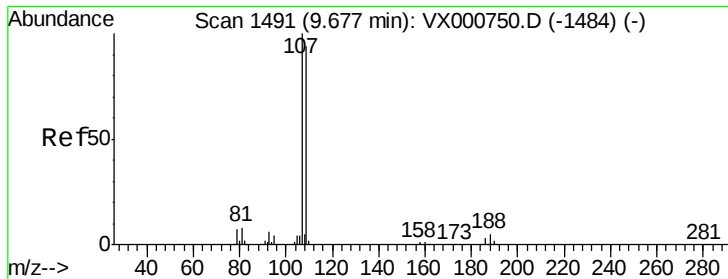
apatel
4/13/2018 2:58:18 PM



#60
Dibromochloromethane
Concen: 19.84 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	129	Resp	66720
Ion Ratio	100	Lower	Upper
129	100		
127	76.1	38.4	115.1





#61

1,2-Dibromoethane

Concen: 21.40 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion:107 Resp: 63813

Ion Ratio Lower Upper

107 100

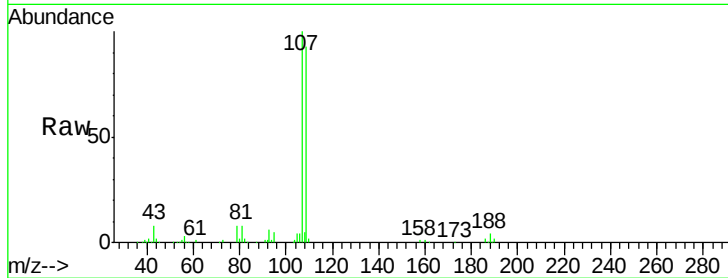
109 93.9 76.2 114.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

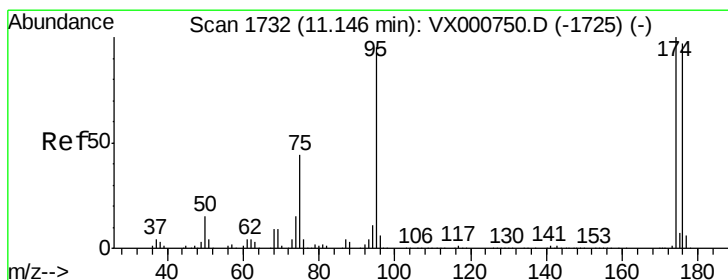
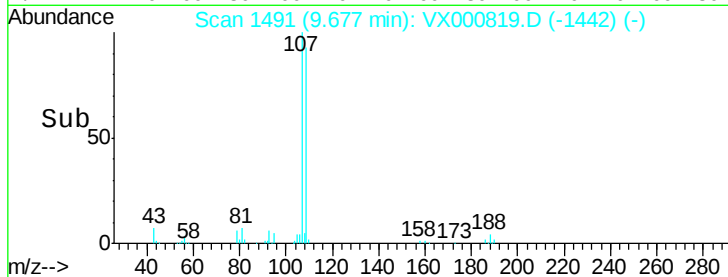
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

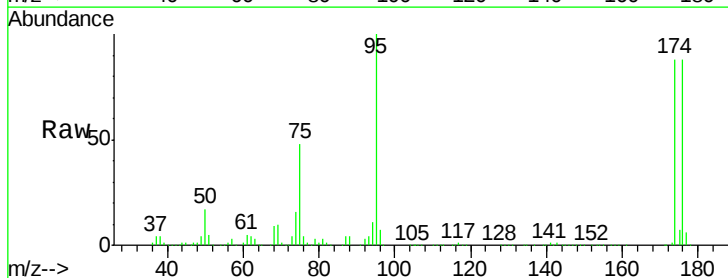
Tgt Ion: 95 Resp: 202151

Ion Ratio Lower Upper

95 100

174 97.9 0.0 198.4

176 96.0 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

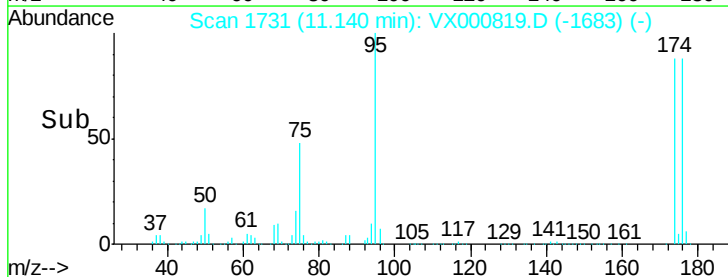
150000

100000

50000

0

Time-->





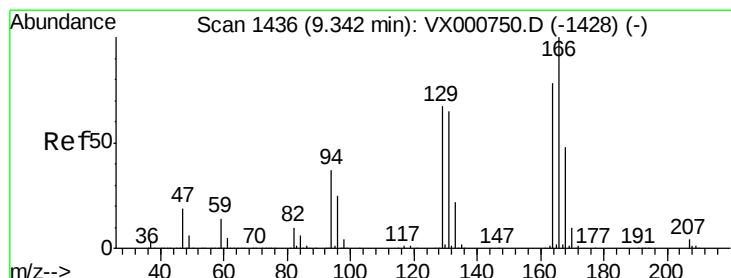
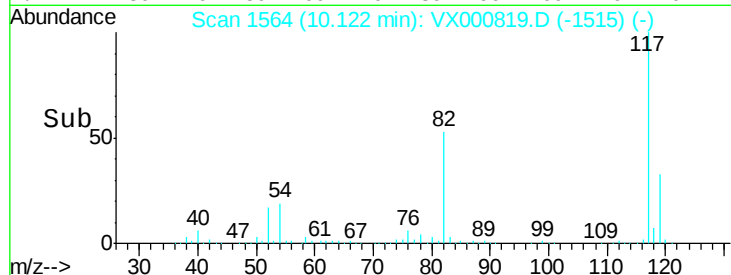
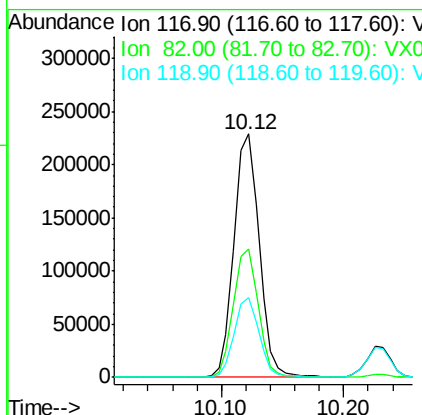
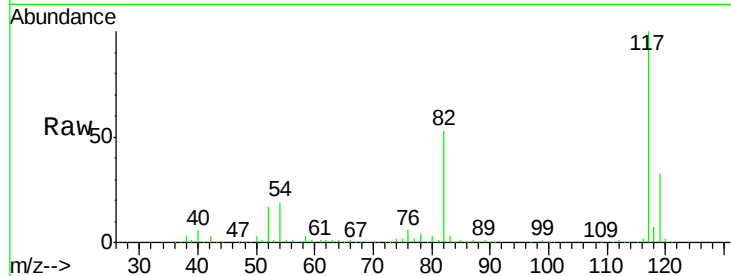
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.9	62.9
119	32.8	26.0	39.0

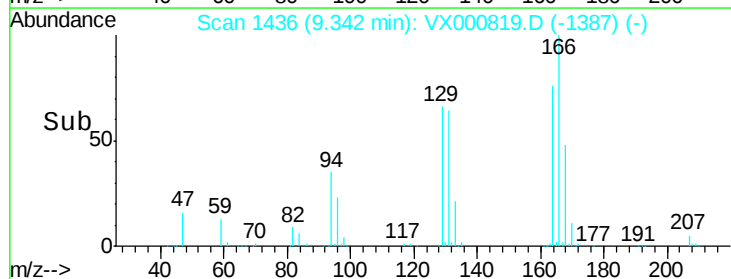
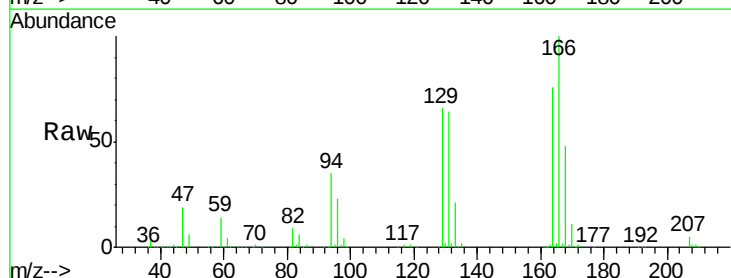
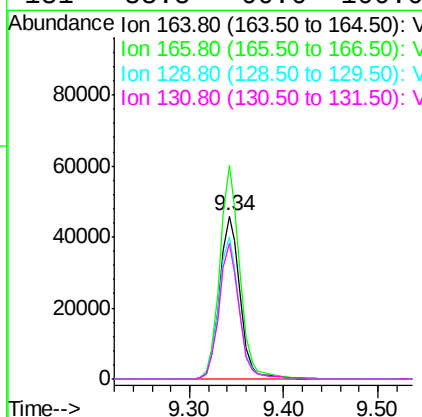
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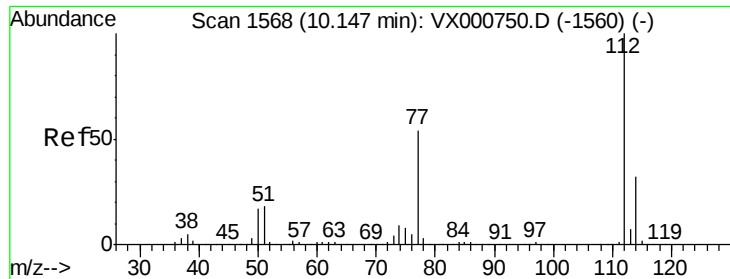
apatel
4/13/2018 2:58:18 PM



#64
Tetrachloroethene
Concen: 21.59 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	102.8	154.2
129	87.1	68.5	102.7
131	83.5	66.6	100.0





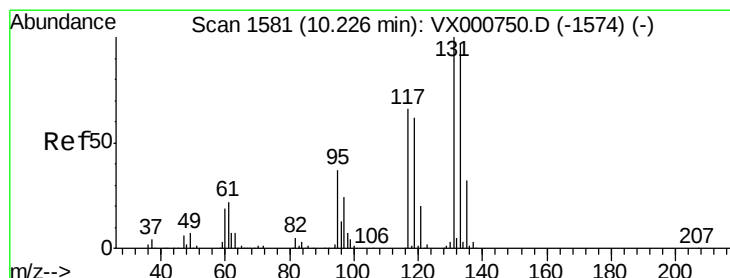
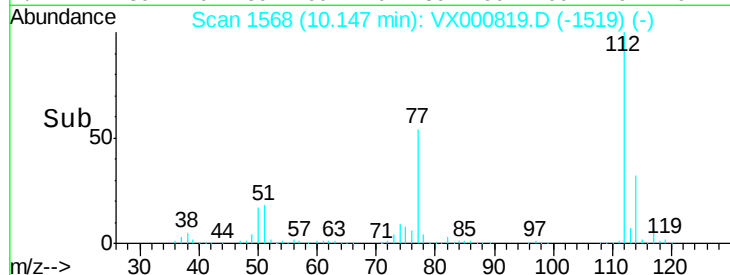
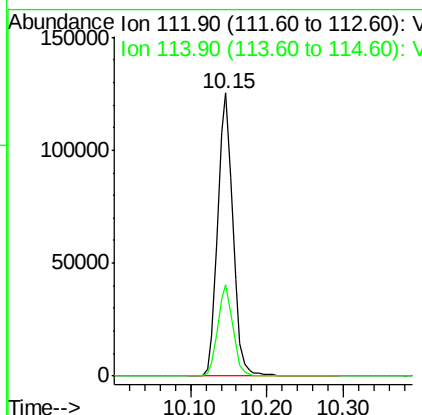
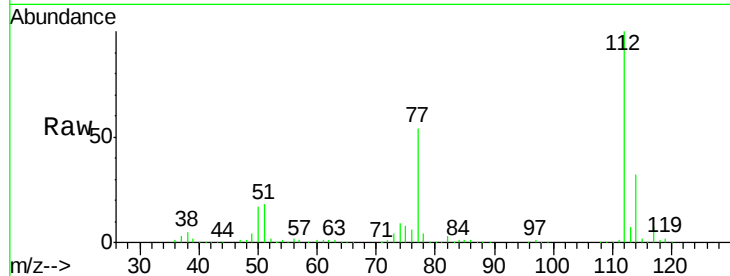
#65
Chlorobenzene
Concen: 20.97 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion:112 Resp: 172638
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

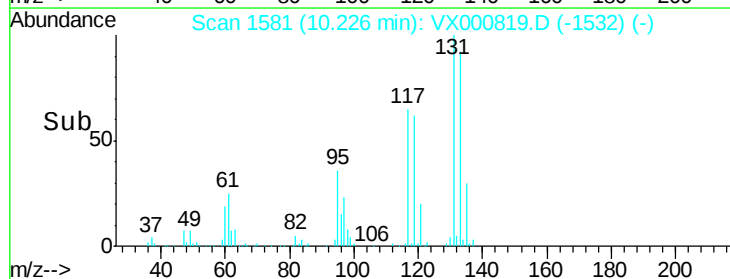
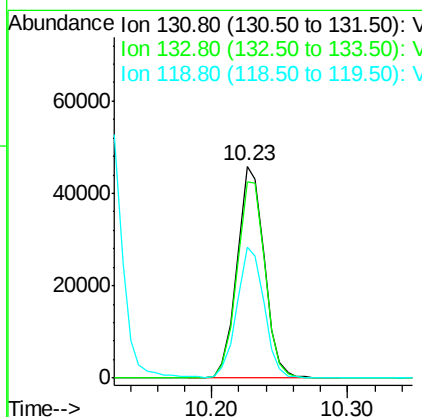
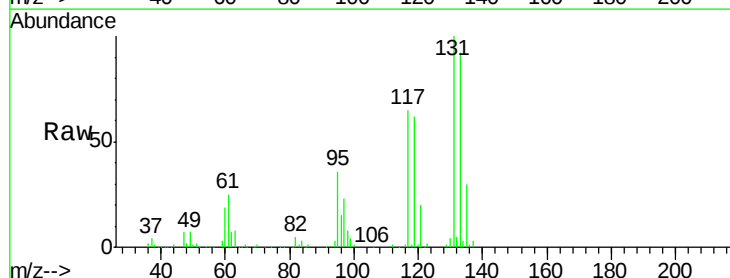
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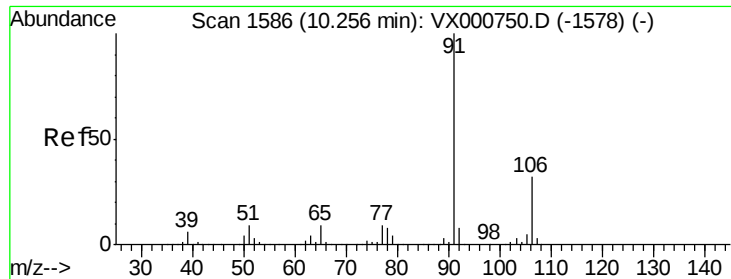
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.59 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion:131 Resp: 63806
Ion Ratio Lower Upper
131 100
133 95.4 48.3 144.9
119 62.0 31.4 94.0





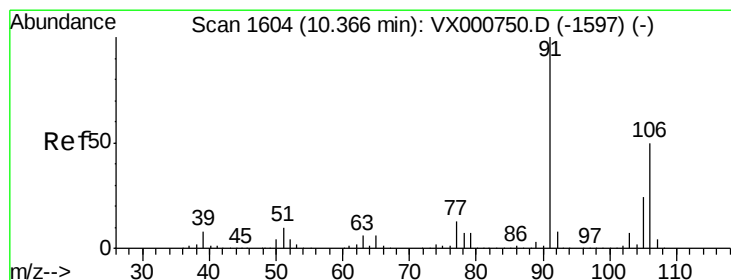
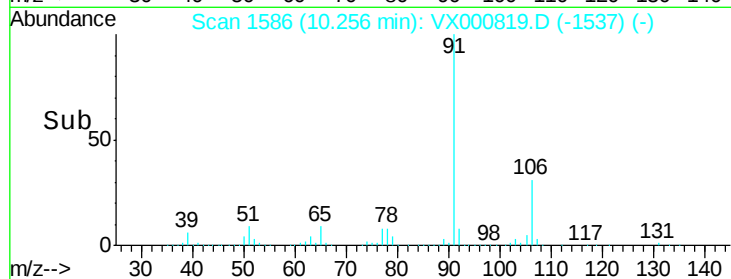
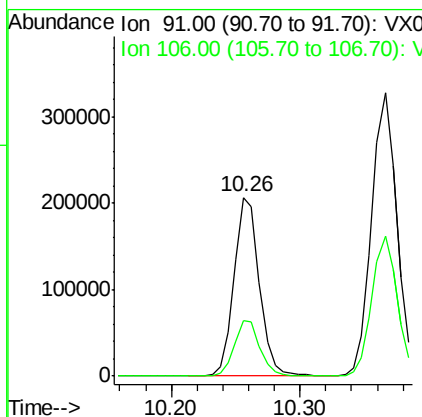
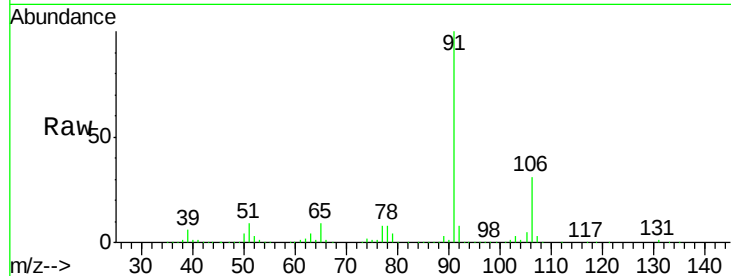
#67
Ethyl Benzene
Concen: 20.79 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion: 91 Resp: 285397
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0

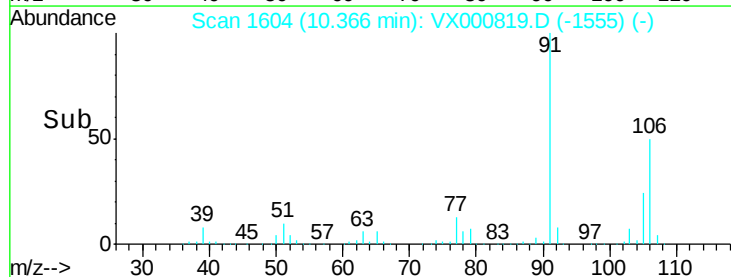
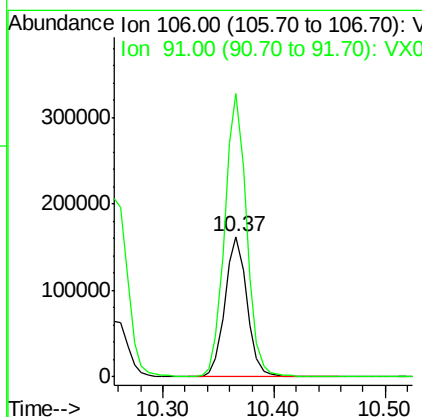
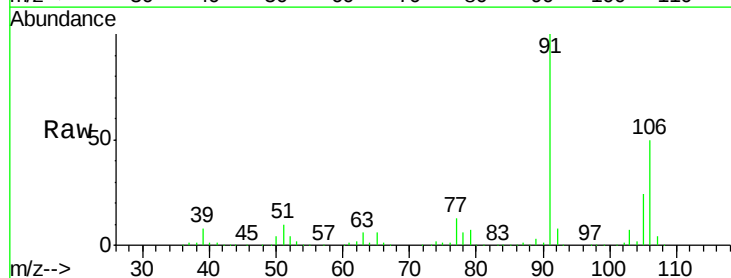
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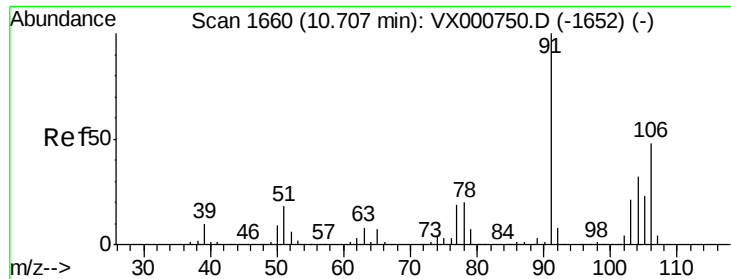
apatel
4/13/2018 2:58:18 PM



#68
m/p-Xylenes
Concen: 41.04 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion: 106 Resp: 222351
Ion Ratio Lower Upper
106 100
91 201.5 159.3 238.9





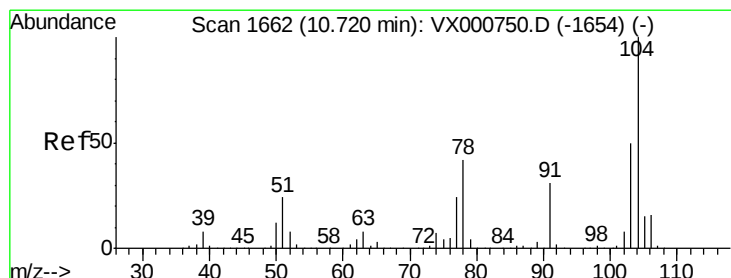
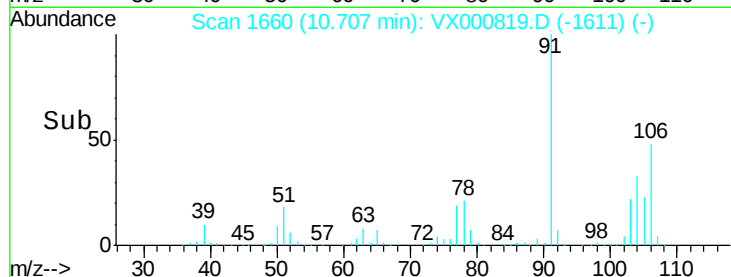
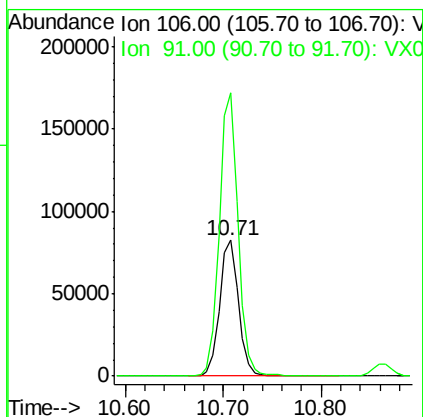
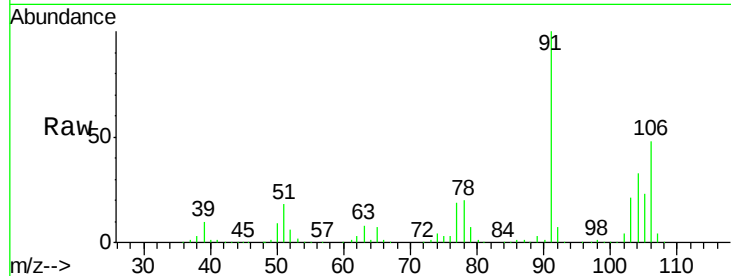
#69
o-Xylene
Concen: 21.08 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	110112		
91	207.1	105.0	315.0	

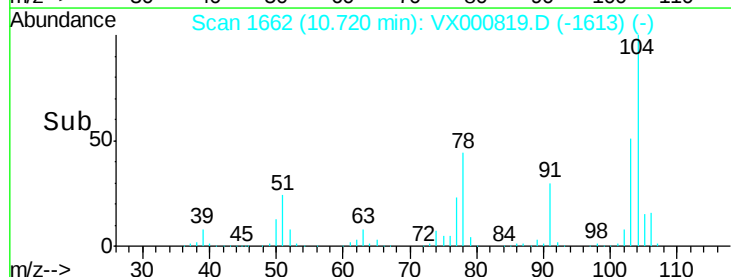
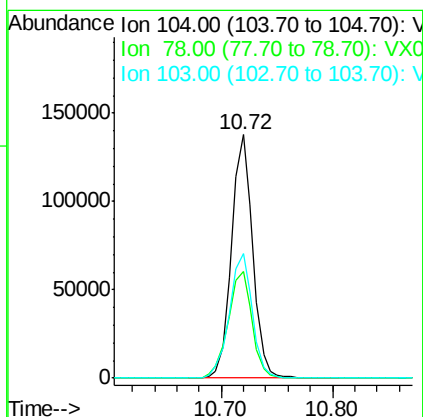
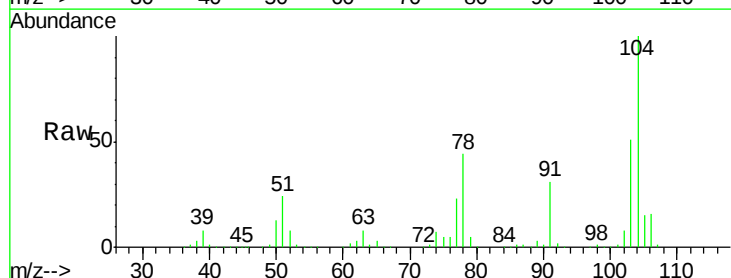
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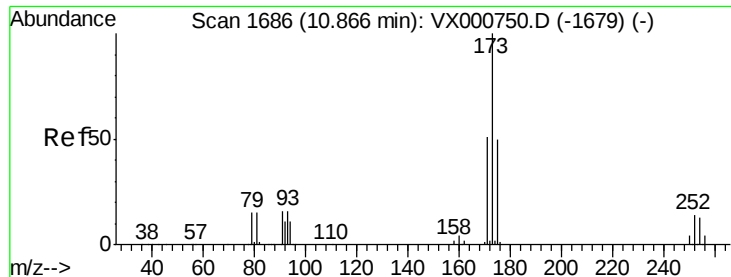
apatel
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#70
Styrene
Concen: 20.60 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	181360		
78	49.6	39.0	58.6	
103	55.4	44.1	66.1	





#71

Bromoform

Concen: 19.46 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion:173 Resp: 55849

Ion Ratio Lower Upper

173 100

175 48.2 24.5 73.5

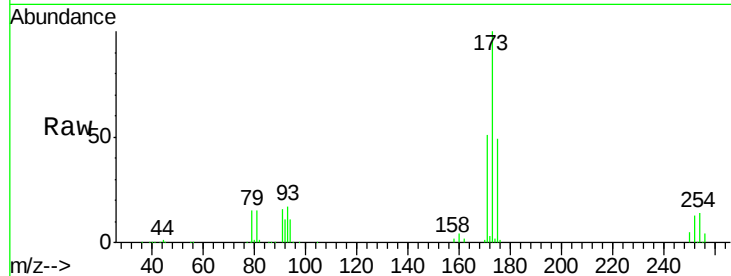
254 0.1 0.2 0.2#

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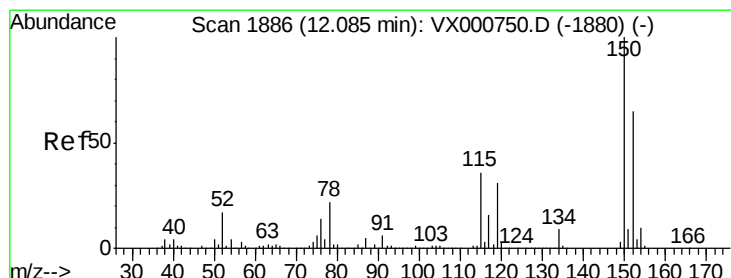
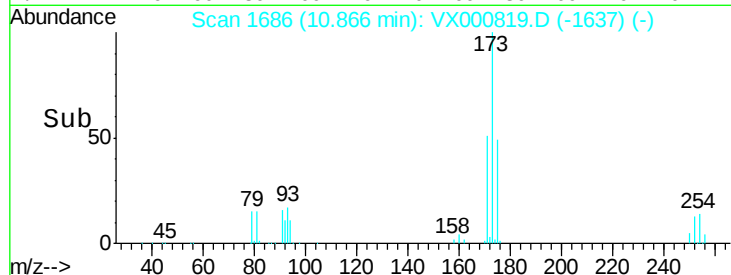
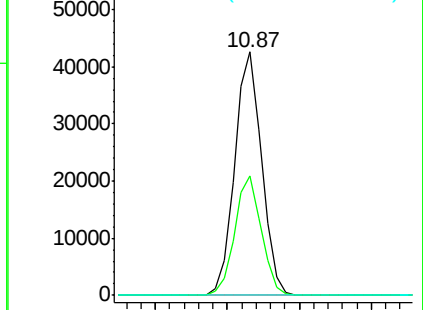
4/13/2018 2:58:18 PM



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: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

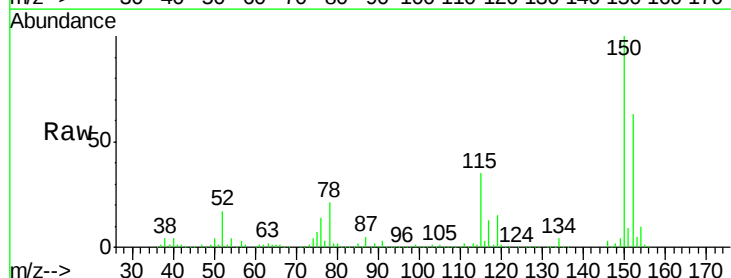
Tgt Ion:152 Resp: 220250

Ion Ratio Lower Upper

152 100

115 62.3 37.9 113.7

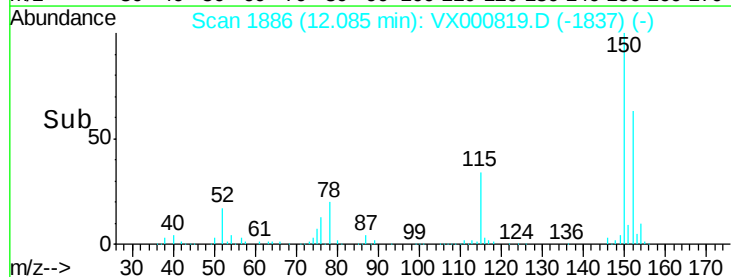
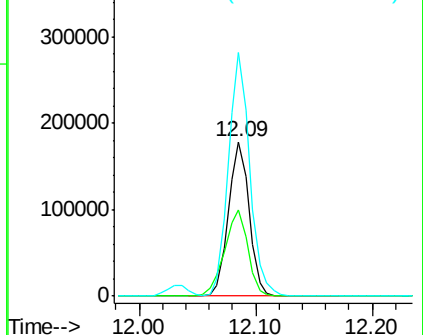
150 163.2 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.15 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 105 Resp: 295478

Ion Ratio Lower Upper

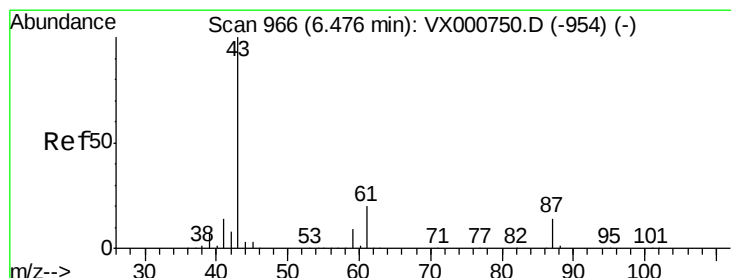
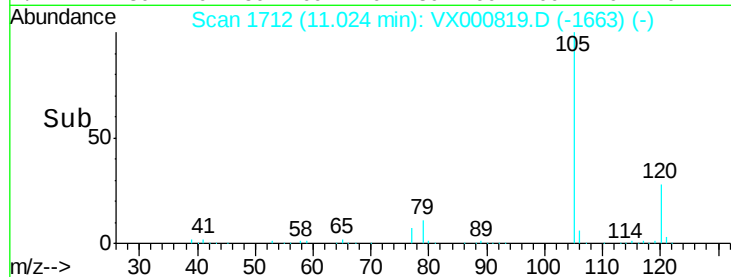
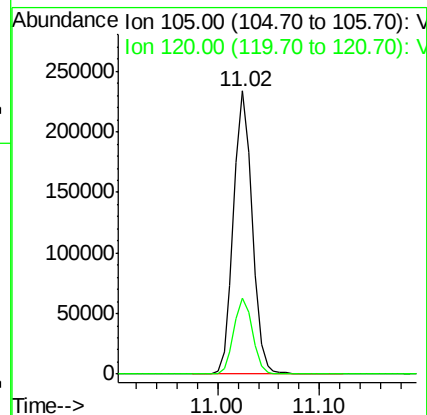
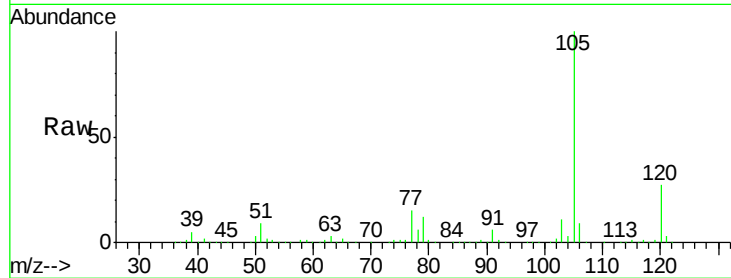
105 100

120 27.0 13.7 41.0

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#74

N-ethyl acetate

Concen: 21.17 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion: 43 Resp: 133236

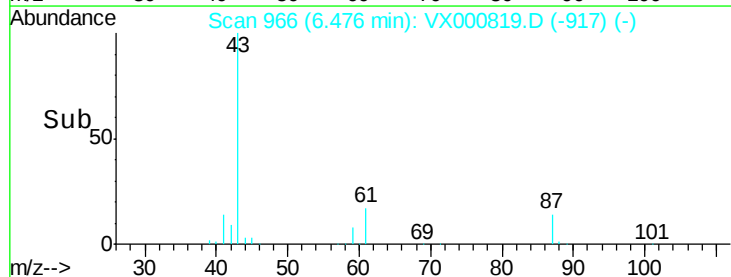
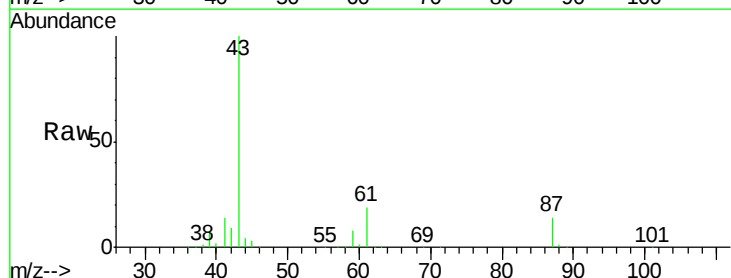
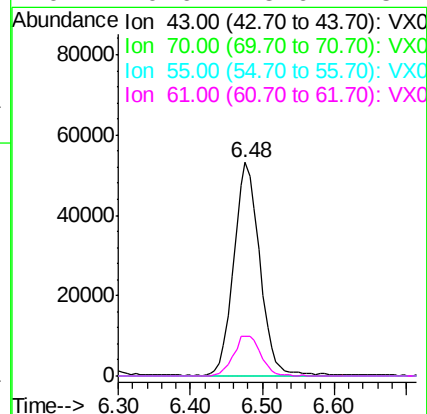
Ion Ratio Lower Upper

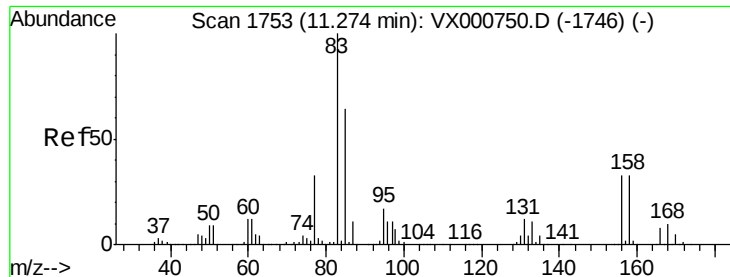
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.6 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.25 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

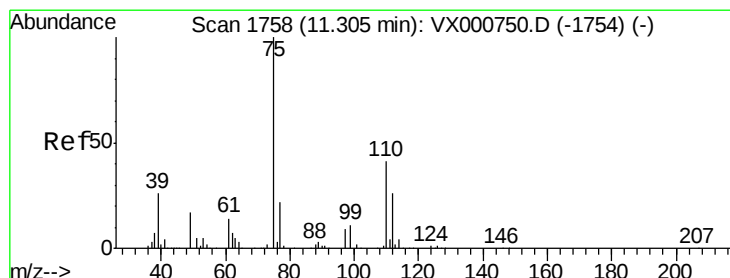
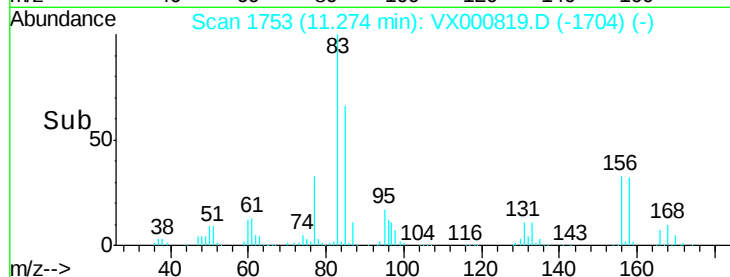
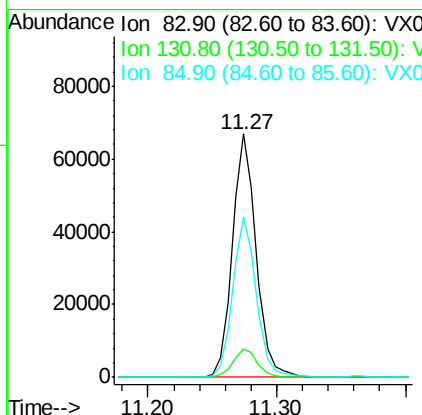
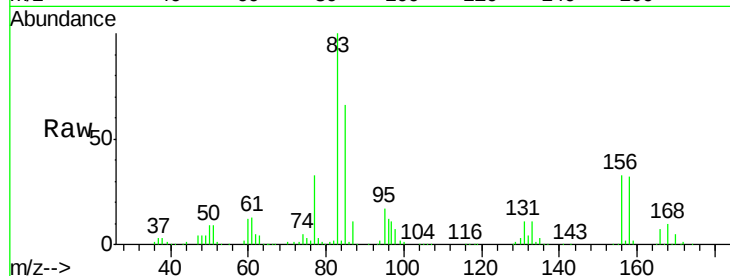
ClientSampleId :

VX0412WBSD02

Tot Ion:	83	Resp:	86187
Ion Ratio	Lower	Upper	
83	100		
131	11.9	6.0	18.0
85	65.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.73 ug/l m

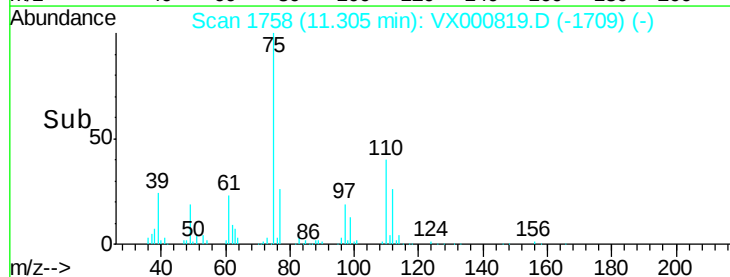
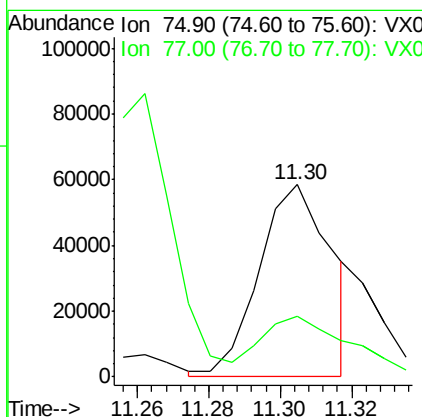
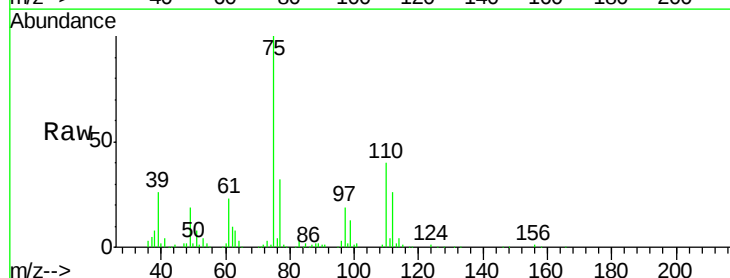
RT: 11.30 min Scan# 1758

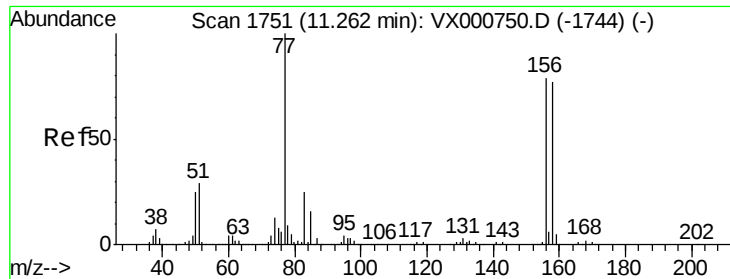
Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion:	75	Resp:	82552
Ion Ratio	Lower	Upper	
75	100		
77	38.4	20.5	61.5





#77

Bromobenzene

Concen: 20.84 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

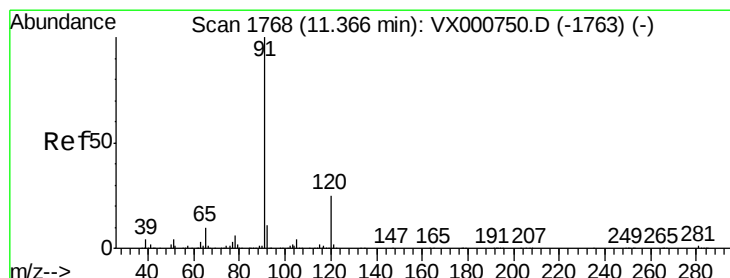
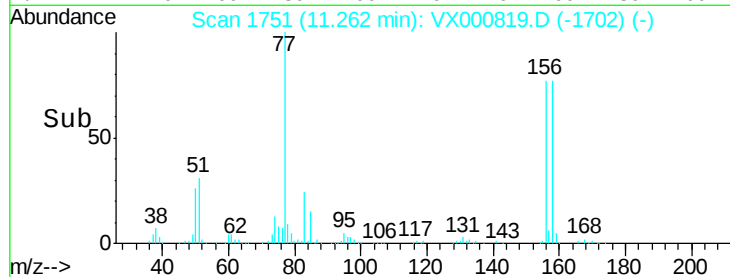
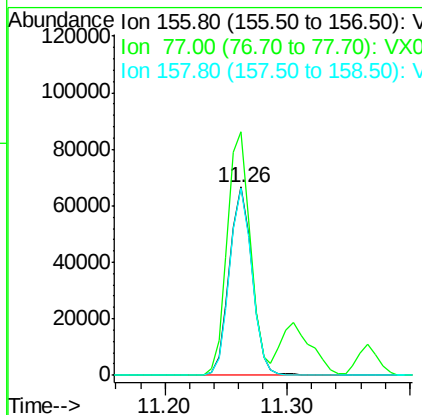
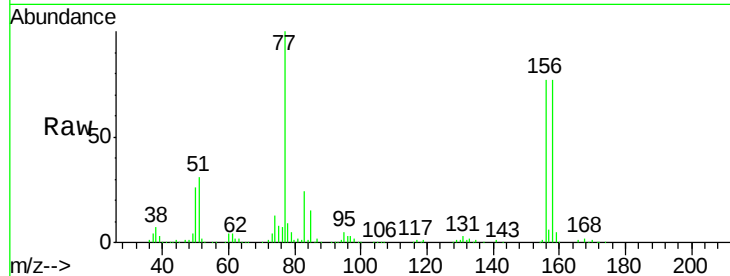
ClientSampleId :

VX0412WBSD02

Tot Ion:	156	Resp:	85323
Ion Ratio	Lower	Upper	
156	100		
77	133.1	66.0	198.2
158	98.2	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 20.72 ug/l

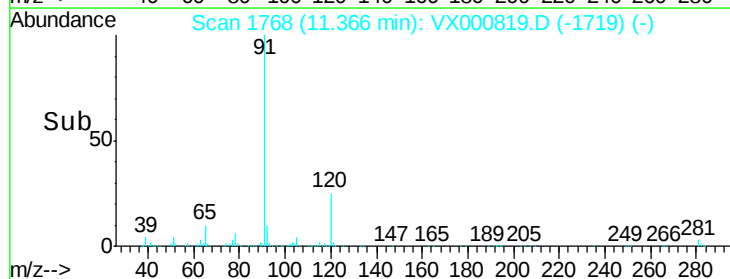
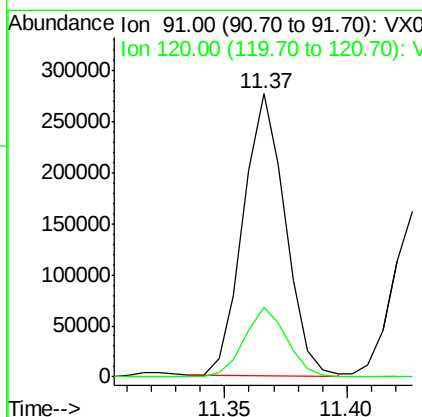
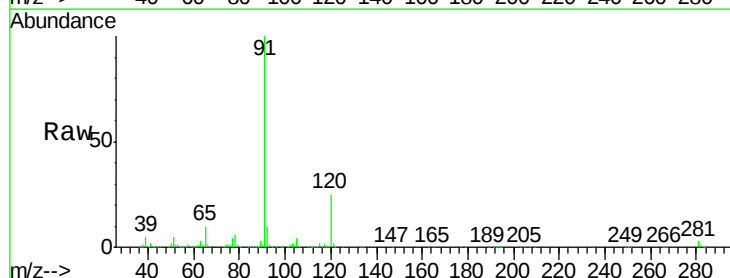
RT: 11.37 min Scan# 1768

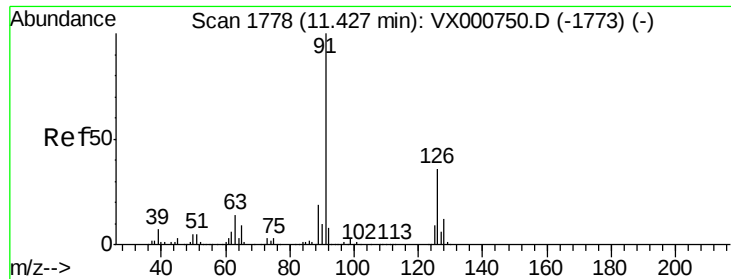
Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion:	91	Resp:	331121
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.6	37.6





#79

2-Chlorotoluene

Concen: 20.85 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBSD02

Tot Ion: 91 Resp: 196900

Ion Ratio Lower Upper

91 100

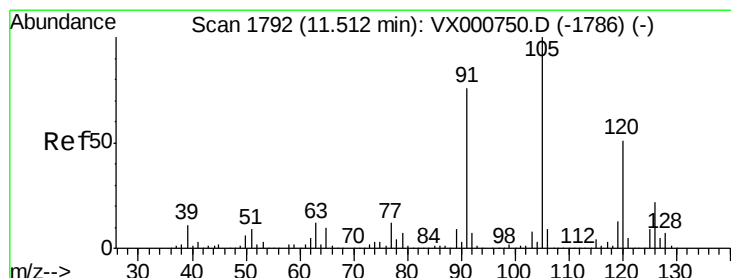
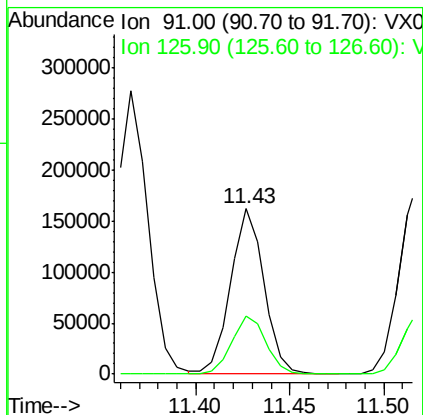
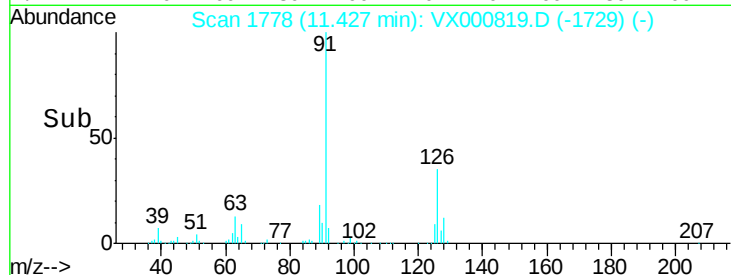
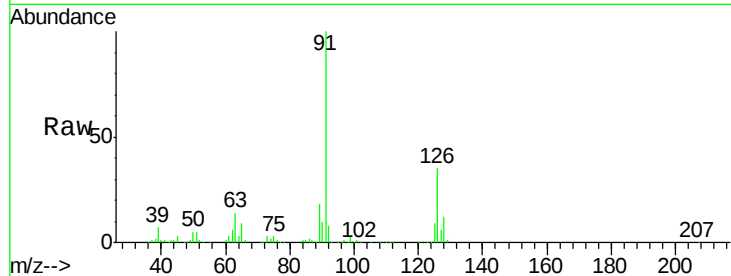
126 36.5 18.3 54.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.75 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000819.D

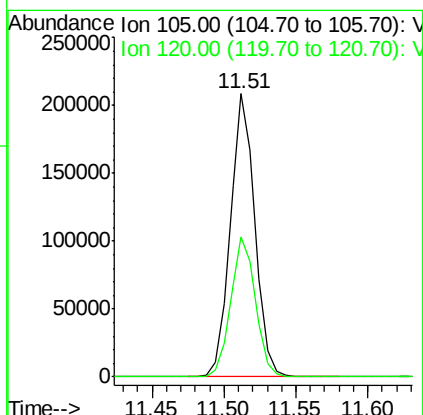
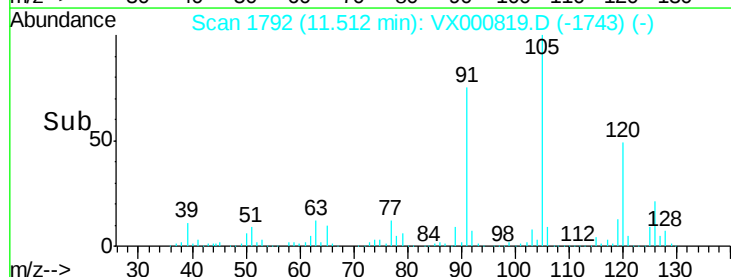
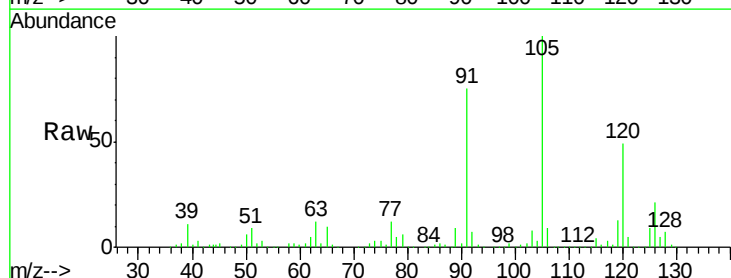
Acq: 12 Apr 2018 23:21

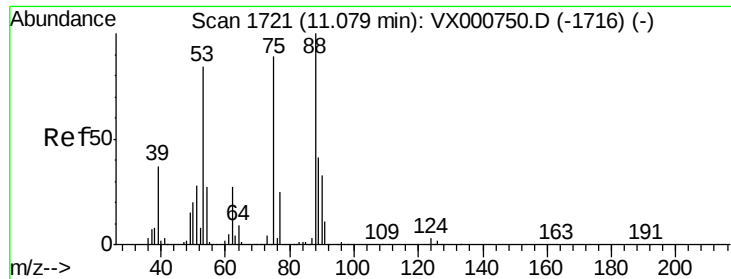
Tgt Ion: 105 Resp: 249287

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





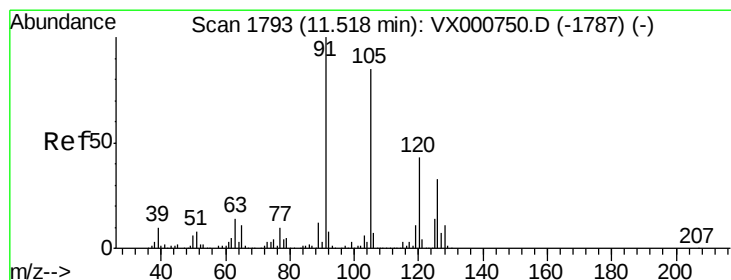
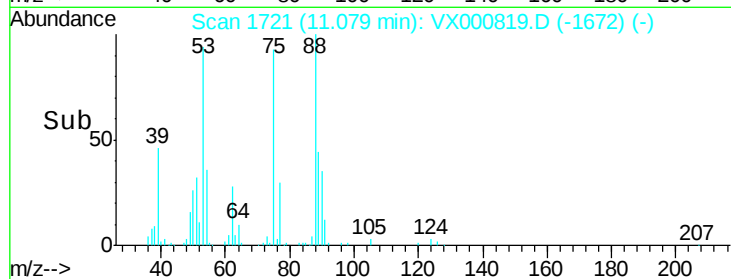
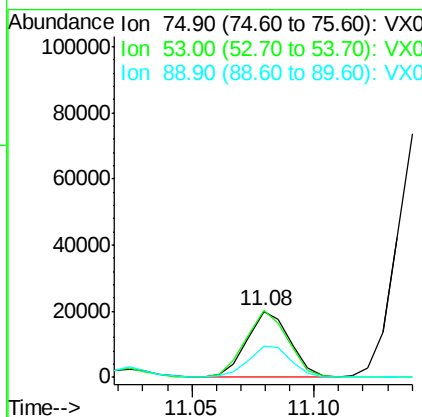
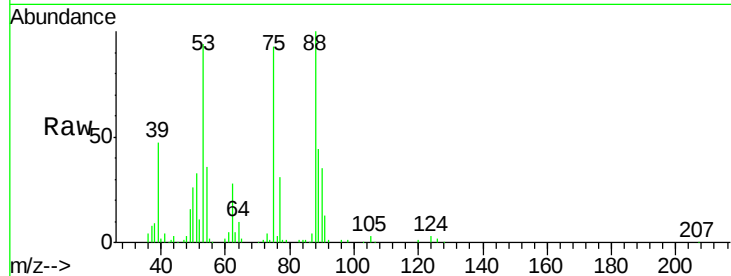
#81
trans-1,4-Dichloro-2-butene
Concen: 17.76 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	75.4	113.0
89	47.1	40.9	61.3

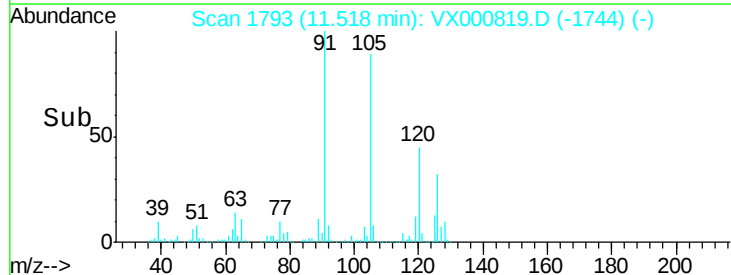
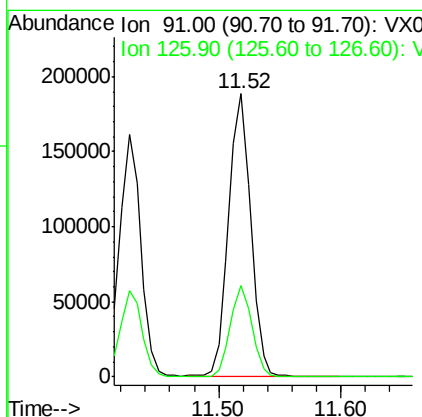
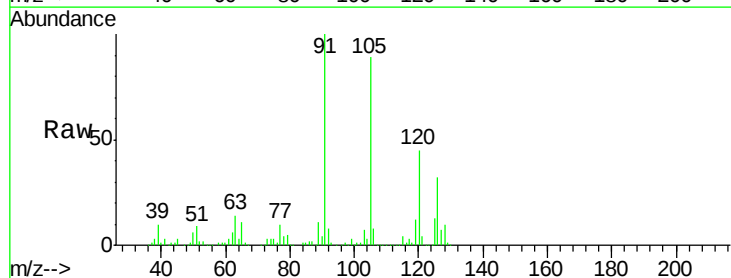
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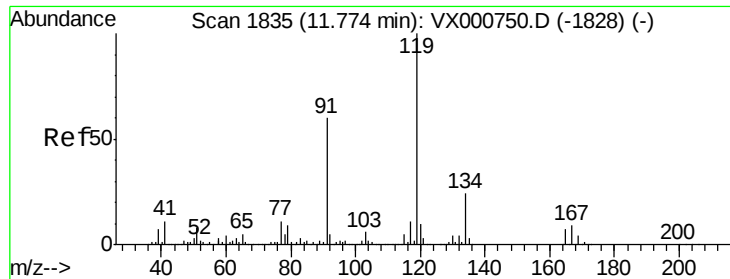
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#82
4-Chlorotoluene
Concen: 20.74 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.2	48.6





#83

tert-Butylbenzene

Concen: 20.89 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

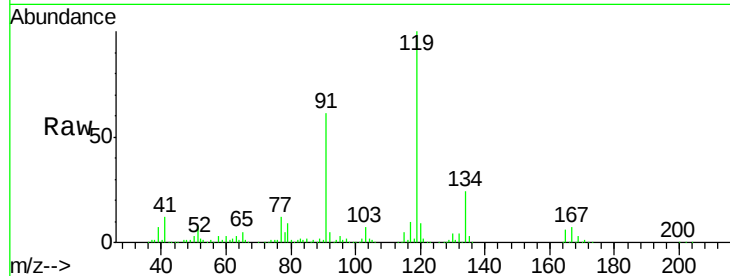
ClientSampleId :

VX0412WBSD02

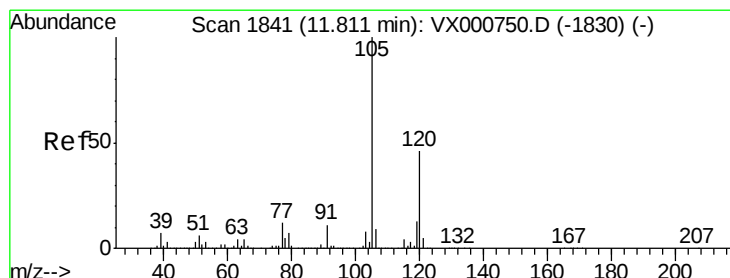
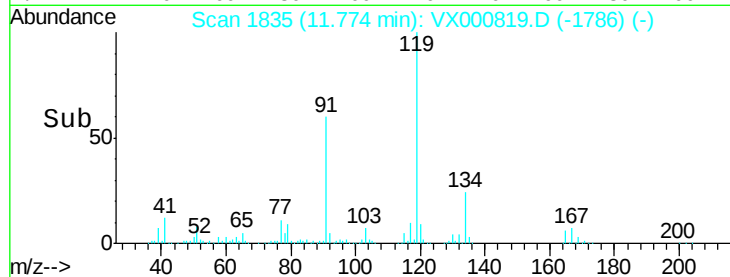
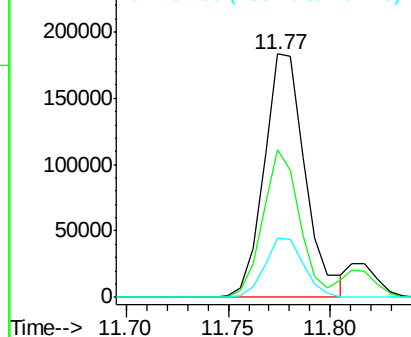
Tot Ion:	119	Resp:	256870
Ion Ratio	Lower	Upper	
119	100		
91	54.1	26.8	80.3
134	23.3	11.5	34.4

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.60 ug/l

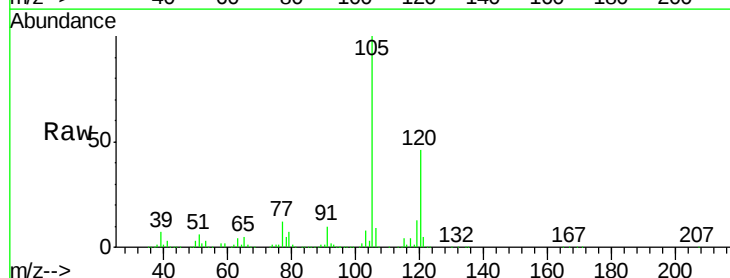
RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

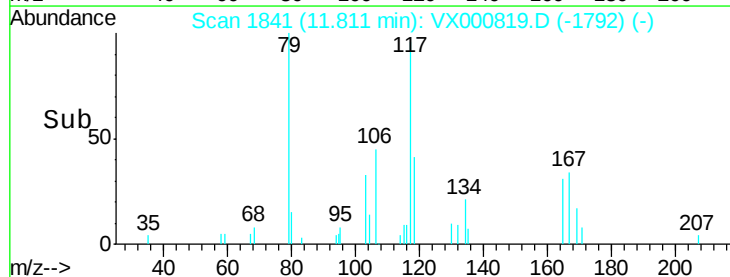
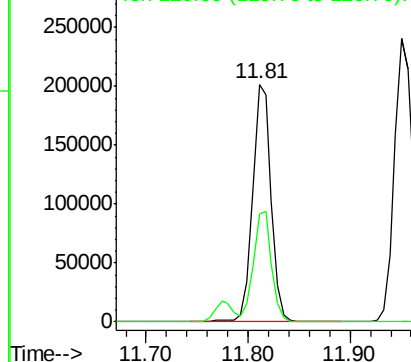
Lab File: VX000819.D

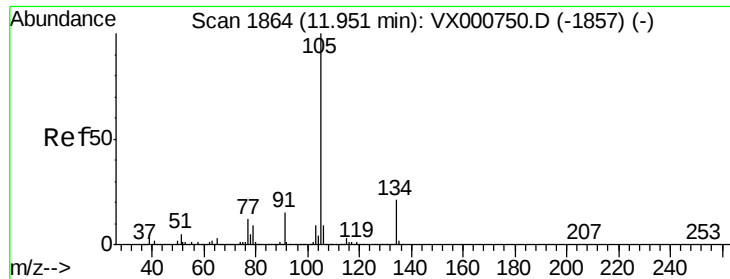
Acq: 12 Apr 2018 23:21

Tgt Ion:	105	Resp:	255504
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.1	69.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.87 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

VX0412WBSD02

Tot Ion:105 Resp: 302741

Ion Ratio Lower Upper

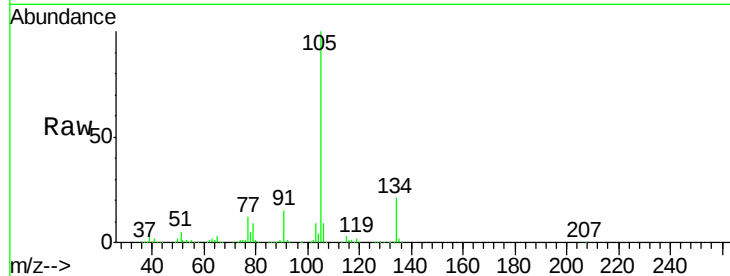
105 100

134 21.4 10.8 32.4

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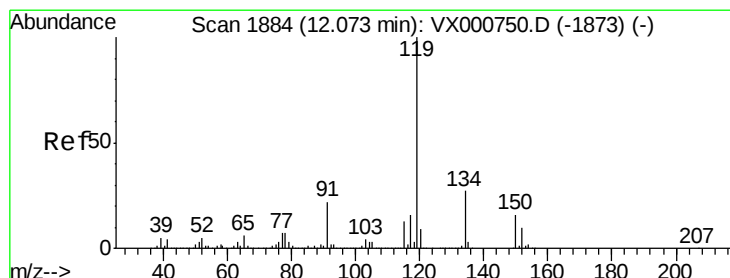
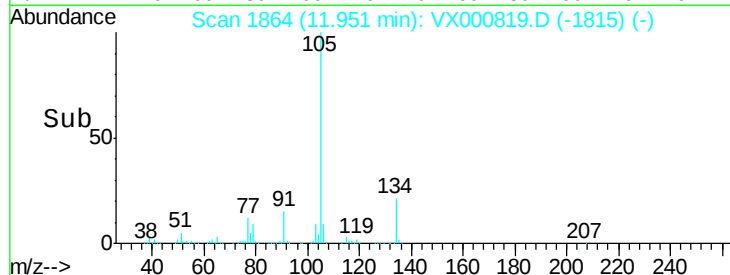
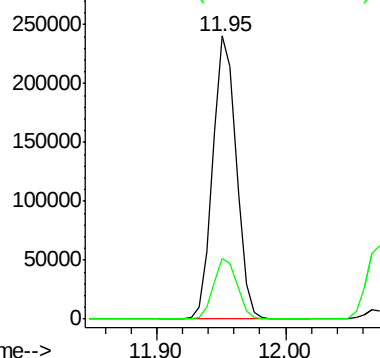
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.61 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

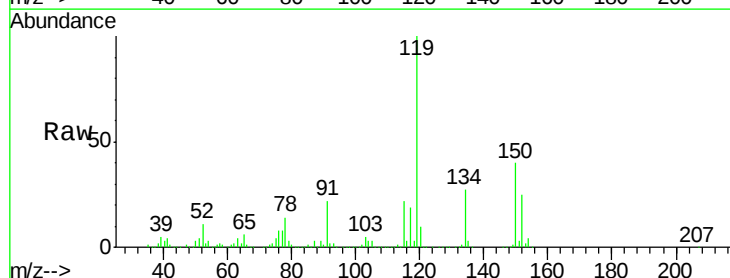
Tgt Ion:119 Resp: 278790

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

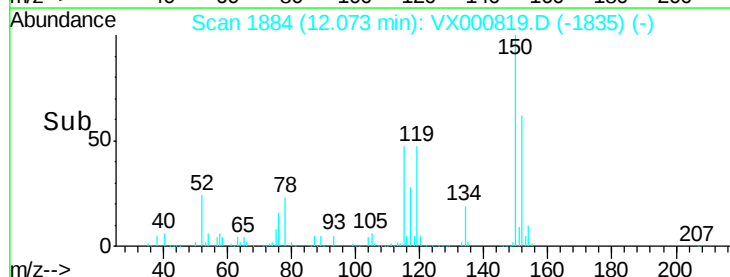
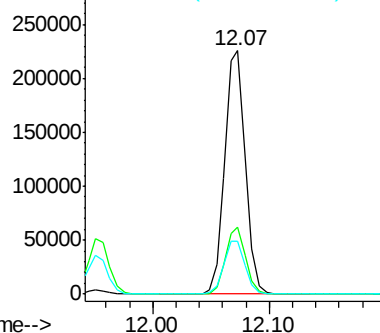
91 22.5 11.2 33.5

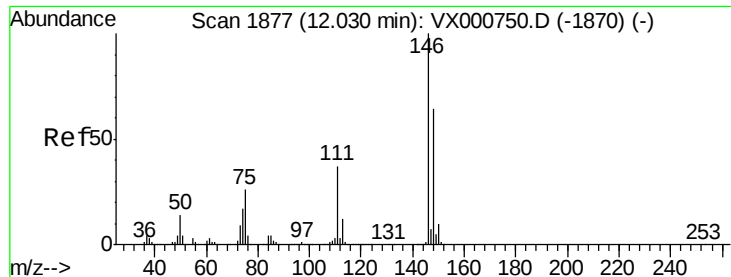


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.49 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

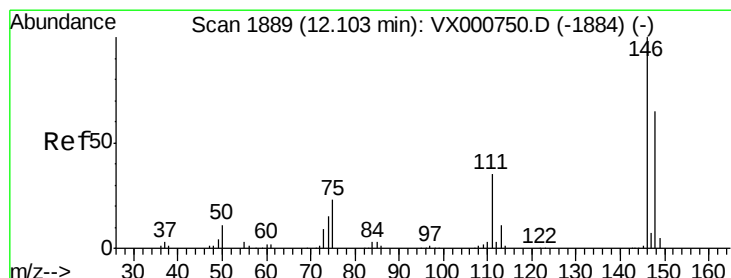
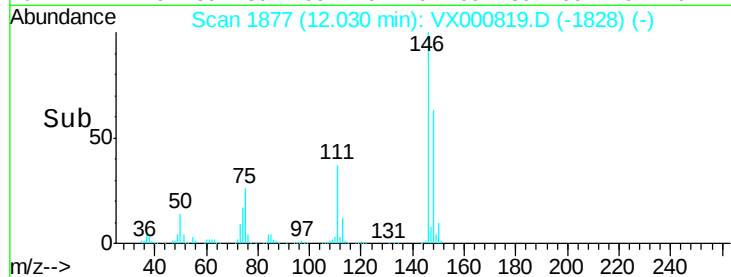
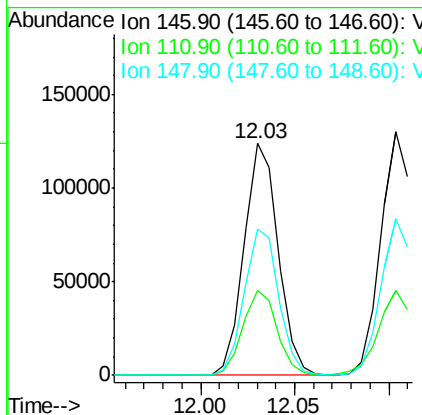
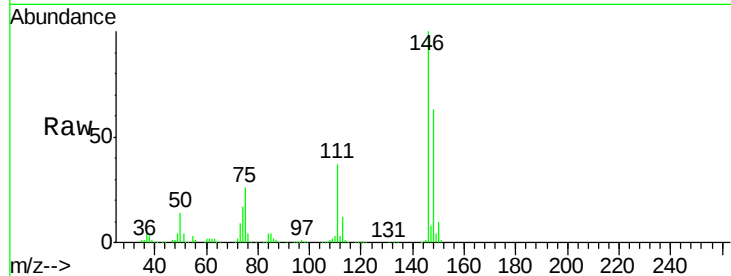
ClientSampleID :

VX0412WBSD02

Tot Ion:	146	Resp:	155275
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.3	54.8
148	64.3	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.60 ug/l

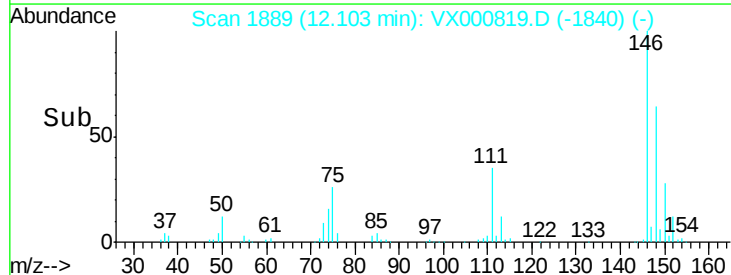
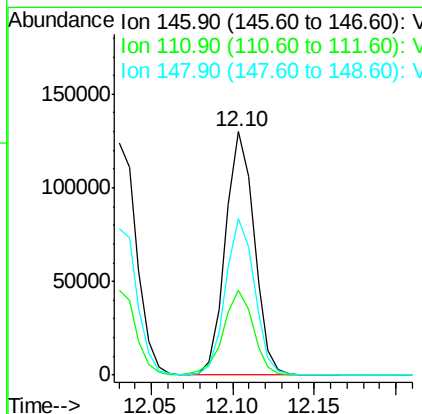
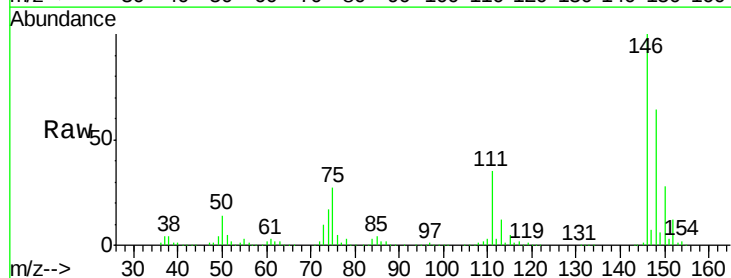
RT: 12.10 min Scan# 1889

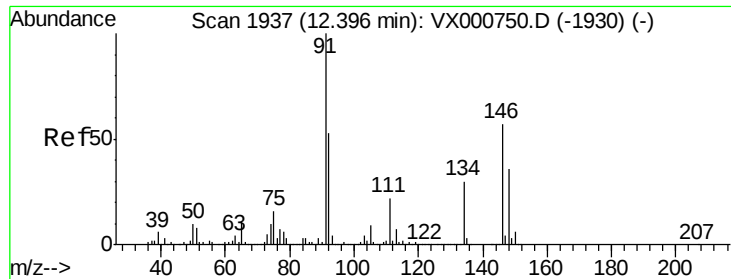
Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion:	146	Resp:	160042
Ion Ratio	Lower	Upper	
146	100		
111	36.5	17.9	53.8
148	64.7	32.6	97.7





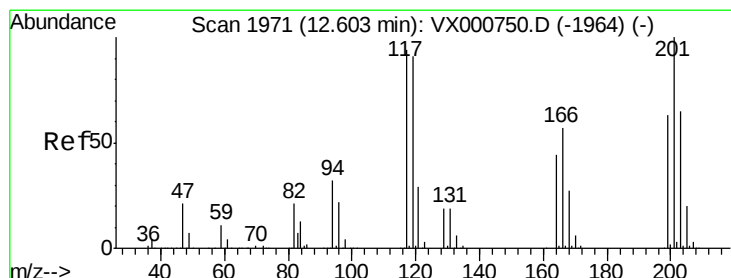
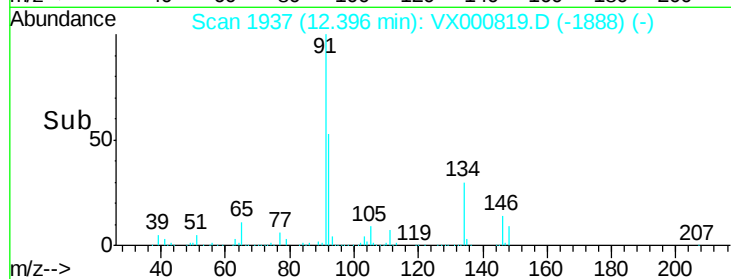
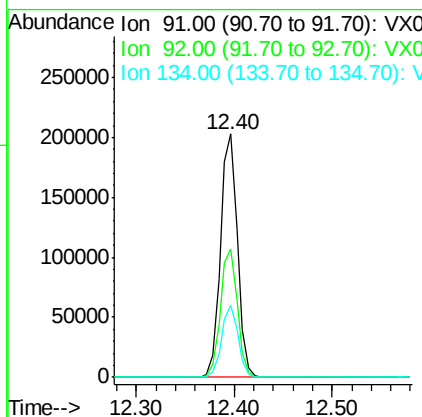
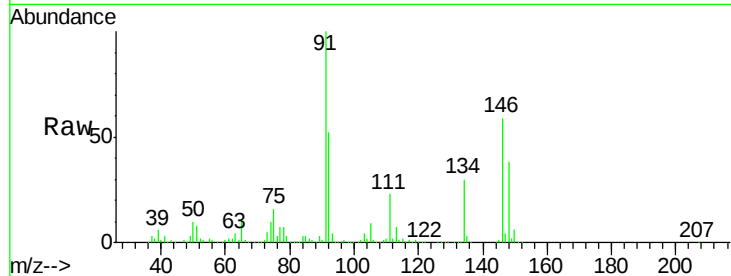
#89
n-Butylbenzene
Concen: 20.24 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	28.9	14.5	43.5

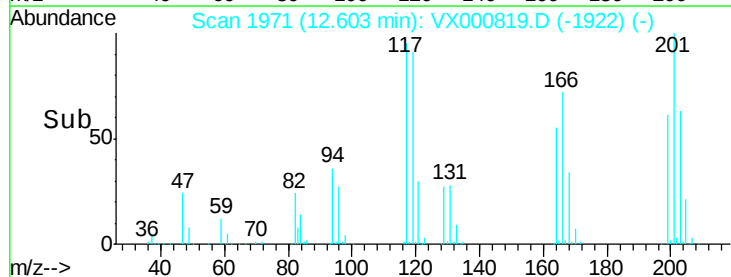
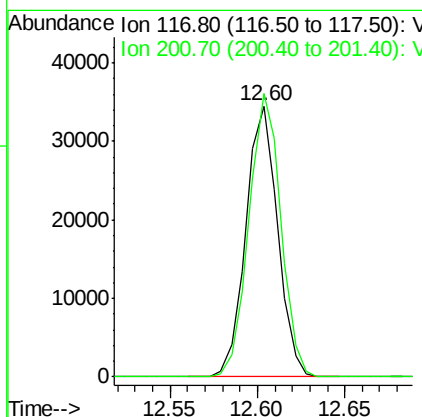
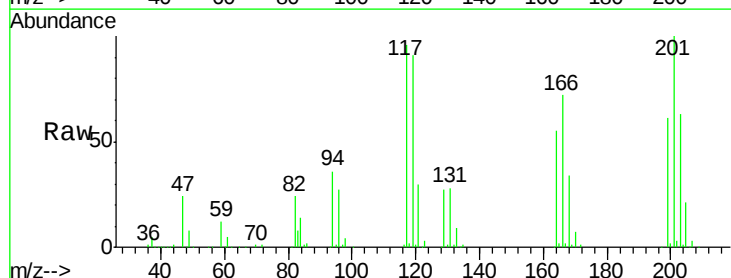
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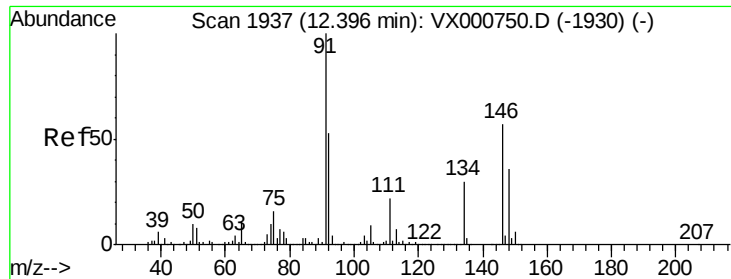
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#90
Hexachloroethane
Concen: 18.98 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000819.D
Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.3	52.9	158.7





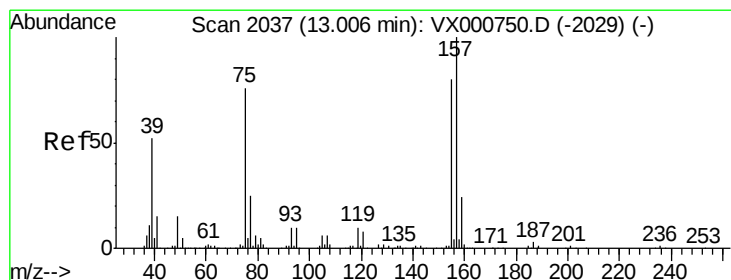
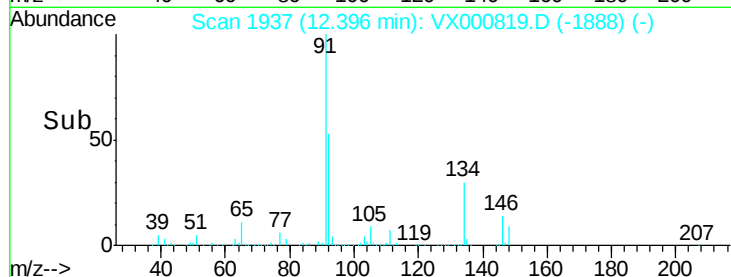
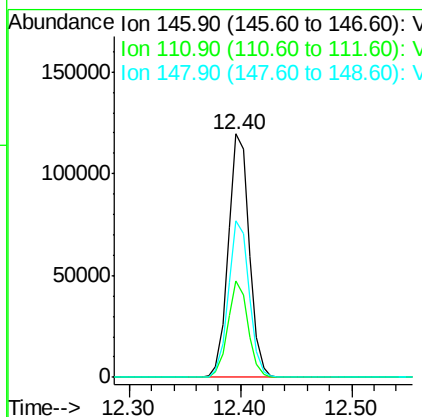
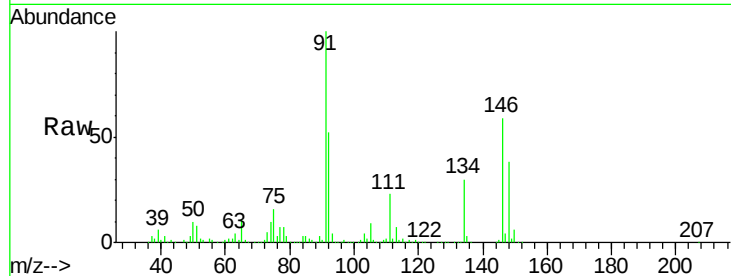
#91
 1,2-Dichlorobenzene
 Concen: 21.12 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	64.0	32.0	96.2

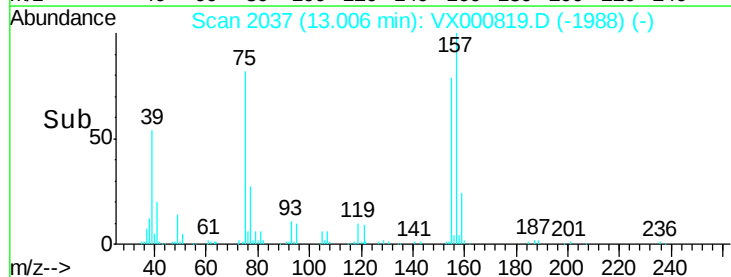
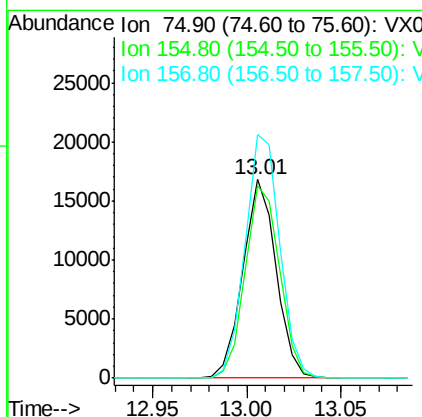
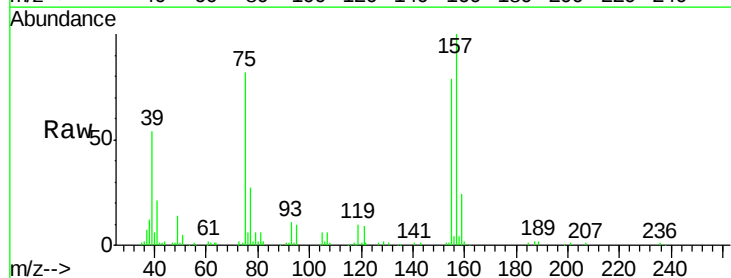
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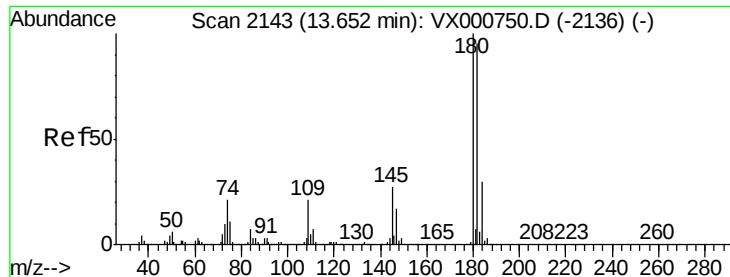
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.30 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.1	51.9	155.8
157	127.8	66.6	199.8





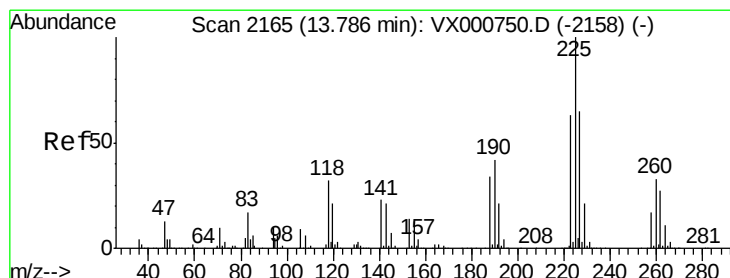
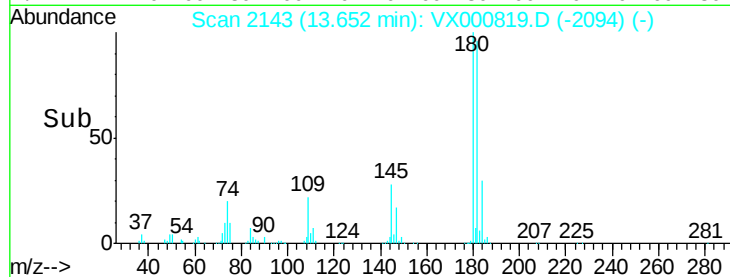
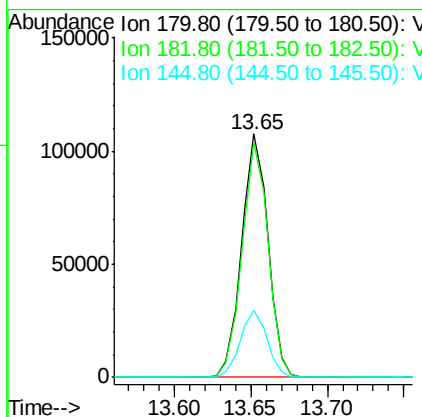
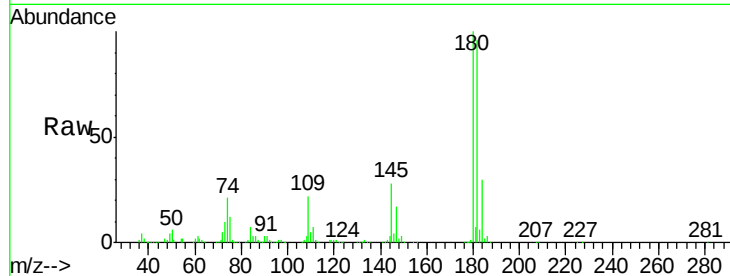
#93
 1,2,4-Trichlorobenzene
 Concen: 20.53 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128202		
182	95.5	47.5	142.5	
145	27.9	13.8	41.4	

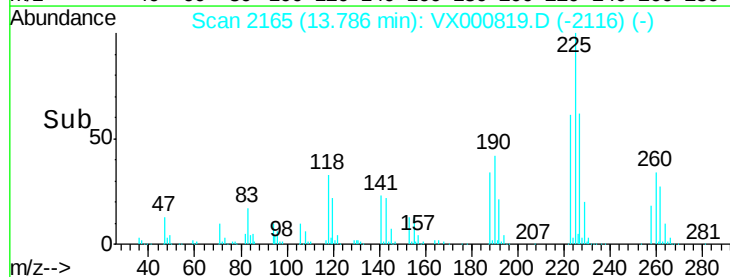
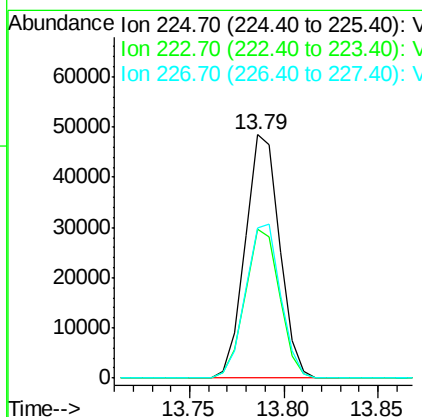
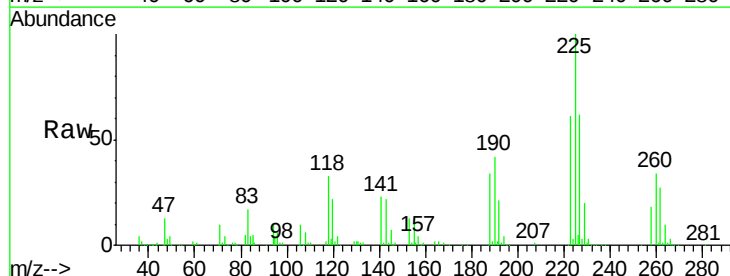
Manual Integrations
 APPROVED

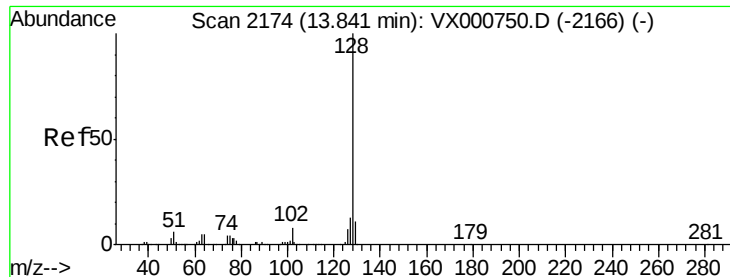
apatel
 4/13/2018 2:58:18 PM



#94
 Hexachlorobutadiene
 Concen: 20.05 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX000819.D
 Acq: 12 Apr 2018 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61559		
223	61.2	31.2	93.6	
227	64.1	32.3	96.9	





#95

Naphthalene

Concen: 21.42 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Instrument :

MSVOA_X

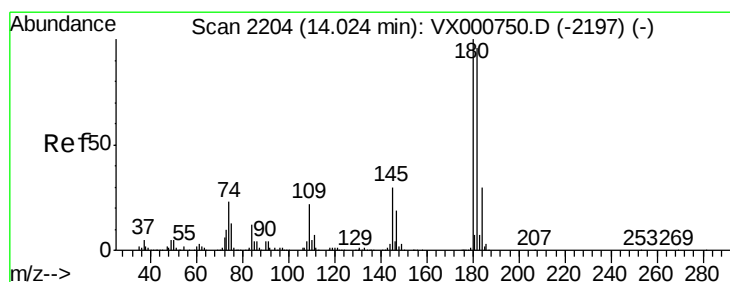
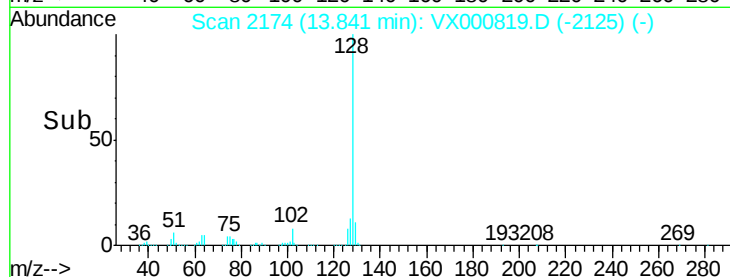
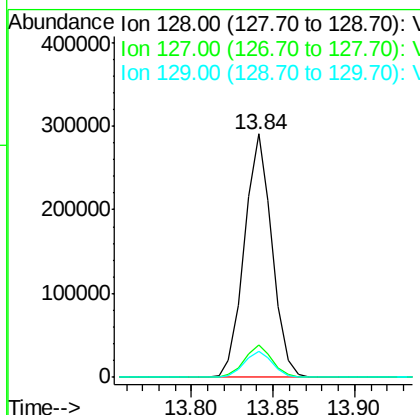
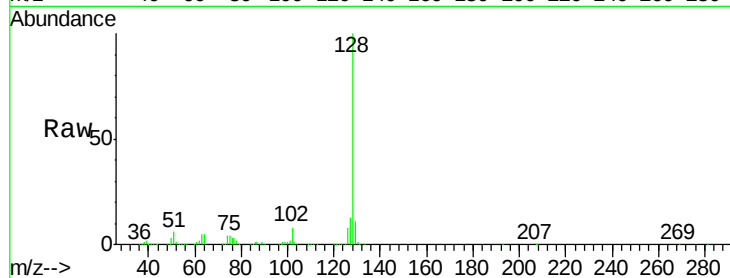
ClientSampleId :

VX0412WBSD02

Tot Ion:	128	Resp:	343342
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
4/13/2018 2:58:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.65 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000819.D

Acq: 12 Apr 2018 23:21

Tgt Ion:	180	Resp:	125245
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.4	145.2
145	29.2	14.6	43.8

