

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050518\
 Data File : VX001424.D
 Acq On : 05 May 2018 17:54
 Operator : JC/MD
 Sample : VX0505WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX0505WBSD01

Manual Integrations
 APPROVED

apatel
 5/8/2018 7:53:59 AM

Quant Time: May 06 08:12:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	319288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	222115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	197048	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
35) Dibromofluoromethane	5.51	113	155756	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	8.72	98	564006	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	11.14	95	210367	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74625	21.880	ug/l	99
3) Chloromethane	1.32	50	70912	21.348	ug/l	98
4) Vinyl Chloride	1.40	62	73637	21.241	ug/l	98
5) Bromomethane	1.64	94	47080	28.167	ug/l	95
6) Chloroethane	1.72	64	47640	20.790	ug/l	98
7) Trichlorofluoromethane	1.93	101	112862	21.632	ug/l	99
8) Diethyl Ether	2.19	74	44827	21.921	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65045	21.266	ug/l	99
10) Methyl Iodide	2.51	142	84268	19.093	ug/l	99
11) Tert butyl alcohol	3.09	59	93944	122.355	ug/l	98
12) 1,1-Dichloroethene	2.37	96	60190	21.469	ug/l	98
13) Acrolein	2.30	56	17204	106.988	ug/l	98
14) Allyl chloride	2.73	41	112761	21.570	ug/l	99
15) Acrylonitrile	3.15	53	202055	116.458	ug/l	99
16) Acetone	2.45	43	196336	118.732	ug/l	100
17) Carbon Disulfide	2.57	76	147145	20.624	ug/l	100
18) Methyl Acetate	2.78	43	101605	23.387	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	215858	22.114	ug/l	98
20) Methylene Chloride	2.86	84	69500	21.227	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	64525	20.623	ug/l	97
22) Diisopropyl ether	3.88	45	203464	20.832	ug/l	98
23) Vinyl Acetate	3.83	43	889317	109.258	ug/l	100
24) 1,1-Dichloroethane	3.70	63	117778	21.588	ug/l	99
25) 2-Butanone	4.72	43	278170	116.375	ug/l	97
26) 2,2-Dichloropropane	4.59	77	87817	20.843	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	71291	21.394	ug/l	98
28) Bromochloromethane	5.03	49	49490	20.922	ug/l	98
29) Tetrahydrofuran	5.18	42	176805	115.607	ug/l	100
30) Chloroform	5.22	83	121526	21.624	ug/l	100
31) Cyclohexane	5.58	56	98577	21.037	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	104892	21.355	ug/l	99
36) 1,1-Dichloropropene	5.81	75	86782	20.436	ug/l	99
37) Ethyl Acetate	4.87	43	105128	22.584	ug/l	99
38) Carbon Tetrachloride	5.79	117	94440	20.852	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	102412	20.399	ug/l	97
40) Benzene	6.15	78	262307	21.148	ug/l	100
41) Methacrylonitrile	5.07	41	58346	21.907	ug/l	98
42) 1,2-Dichloroethane	6.21	62	103463	21.703	ug/l	99
43) Isopropyl Acetate	6.48	43	161034	22.535	ug/l	100
44) Trichloroethene	7.22	130	80360	21.197	ug/l	100
45) 1,2-Dichloropropane	7.52	63	65131	21.063	ug/l	99
46) Dibromomethane	7.67	93	46332	21.165	ug/l	100
47) Bromodichloromethane	7.90	83	86180	21.272	ug/l	100
48) Methyl methacrylate	7.79	41	85483	21.969	ug/l	98
49) 1,4-Dioxane	7.76	88	38313	455.753	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	552616	116.376	ug/l	98
52) Toluene	8.79	92	171501	21.146	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	98202	21.448	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	89330	20.280	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	70167	21.475	ug/l	96
56) Ethyl methacrylate	9.19	69	101465	21.543	ug/l	98
57) 1,3-Dichloropropane	9.38	76	115956	21.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	256228	110.915	ug/l	98
59) 2-Hexanone	9.51	43	420176	115.554	ug/l	100
60) Dibromochloromethane	9.59	129	70605	21.101	ug/l	98
61) 1,2-Dibromoethane	9.68	107	74465	21.706	ug/l	99
64) Tetrachloroethene	9.34	164	95610	21.483	ug/l	98
65) Chlorobenzene	10.15	112	193525	20.667	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	71430	21.326	ug/l	99
67) Ethyl Benzene	10.26	91	318301	20.739	ug/l	99
68) m/p-Xylenes	10.37	106	255735	42.170	ug/l	100
69) o-Xylene	10.70	106	123877	21.018	ug/l	98
70) Styrene	10.72	104	201456	21.040	ug/l	99
71) Bromoform	10.87	173	56375	19.820	ug/l #	98
73) Isopropylbenzene	11.02	105	331135	21.535	ug/l	100
74) N-amyl acetate	6.48	43	161034	23.057	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	101004	22.241	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	101188m	22.462	ug/l	
77) Bromobenzene	11.26	156	94634	21.169	ug/l	99
78) n-propylbenzene	11.37	91	364126	21.747	ug/l	100
79) 2-Chlorotoluene	11.43	91	222427	21.587	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	279612	21.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	24365	20.054	ug/l	92
82) 4-Chlorotoluene	11.52	91	257614	21.672	ug/l	99
83) tert-Butylbenzene	11.77	119	270010	21.197	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	290404	22.071	ug/l	100
85) sec-Butylbenzene	11.95	105	334095	21.851	ug/l	99
86) p-Isopropyltoluene	12.07	119	307412	21.917	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	167852	21.004	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	169597	20.808	ug/l	99
89) n-Butylbenzene	12.40	91	244117	21.005	ug/l	99
90) Hexachloroethane	12.60	117	43589	20.639	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	172788	21.253	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	23913	23.966	ug/l	95

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Manual Integrations
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QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123905	20.827	ug/l	99
94) Hexachlorobutadiene	13.79	225	68787	21.131	ug/l	99
95) Naphthalene	13.84	128	369960	22.485	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129985	21.293	ug/l	99

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

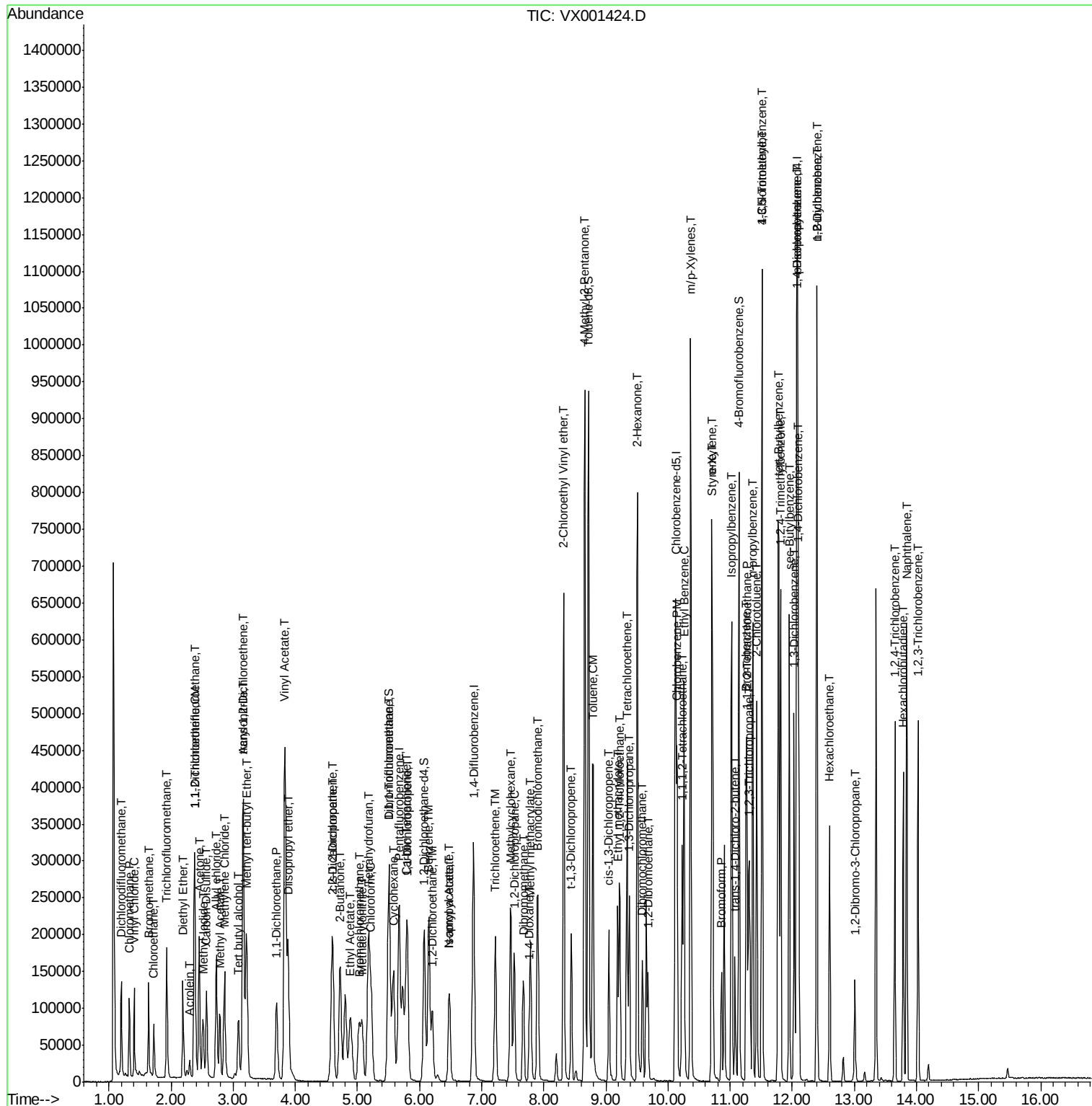
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Data File : VX001424.D
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Sample : VX0505WBSD01
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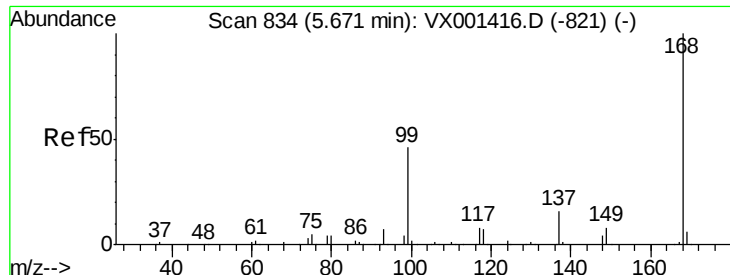
Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Manual Integrations APPROVED

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion:168 Resp: 253365

Ion Ratio Lower Upper

168 100

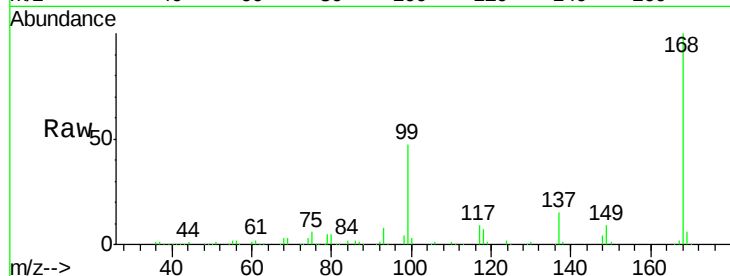
99 46.9 36.6 54.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

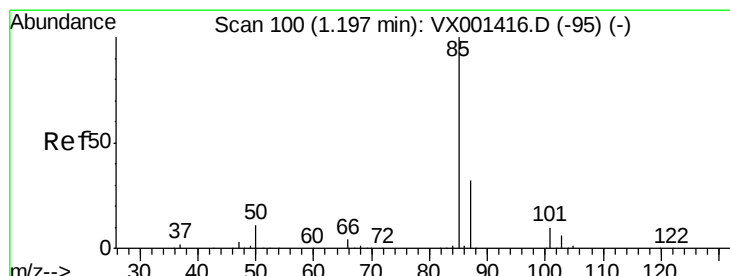
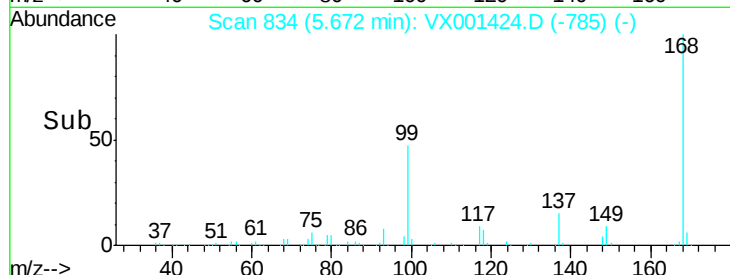
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.880 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001424.D

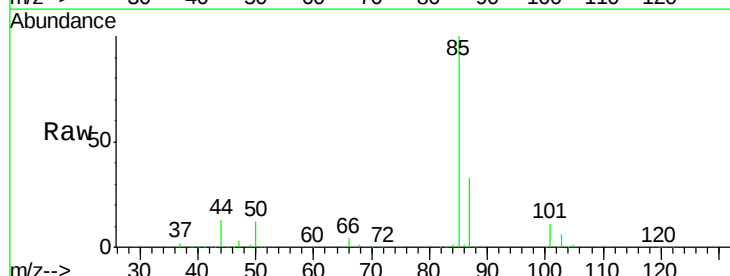
Acq: 05 May 2018 17:54

Tgt Ion: 85 Resp: 74625

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

40000

20000

0

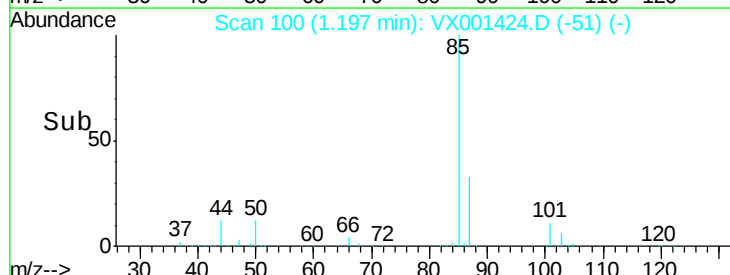
1.15

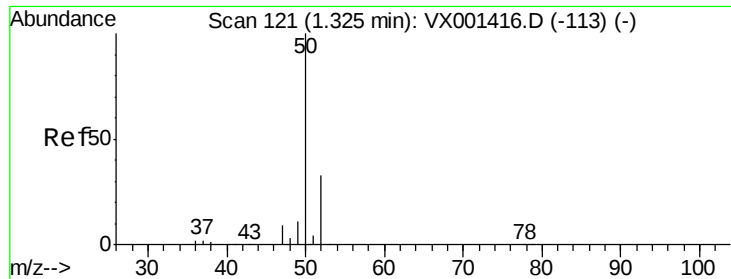
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 21.348 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 50 Resp: 70912

Ion Ratio Lower Upper

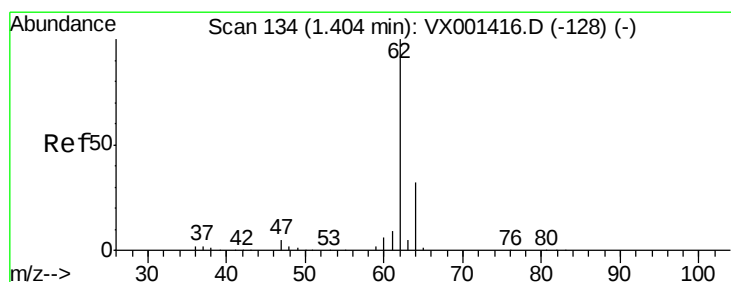
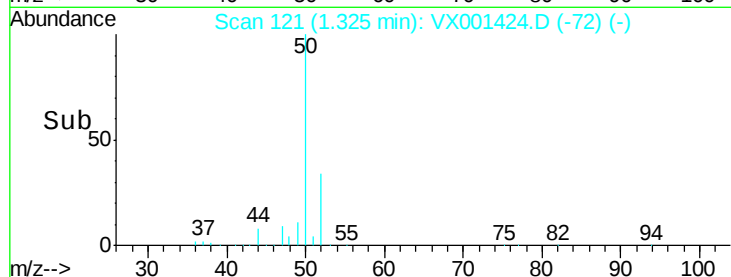
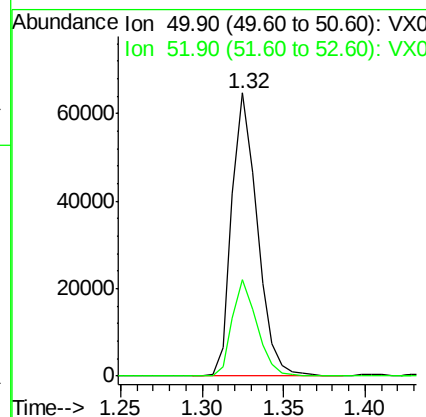
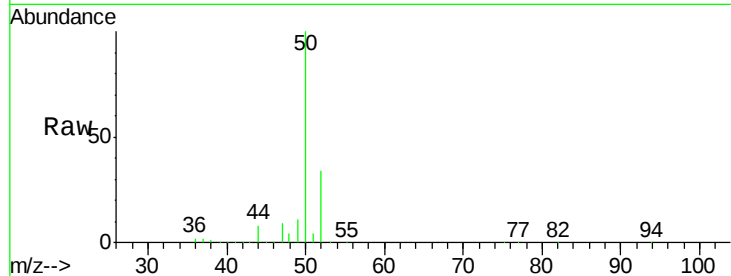
50 100

52 33.9 26.2 39.4

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#4

Vinyl Chloride

Concen: 21.241 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001424.D

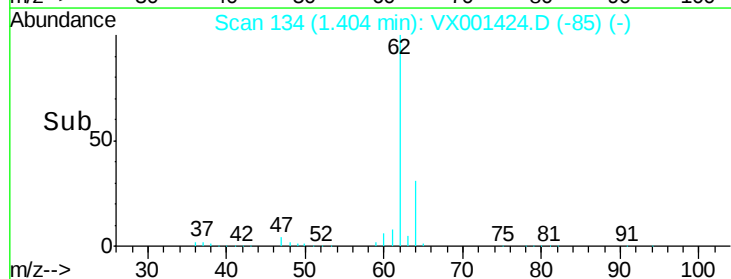
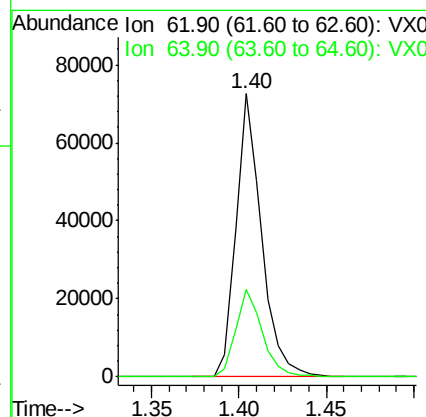
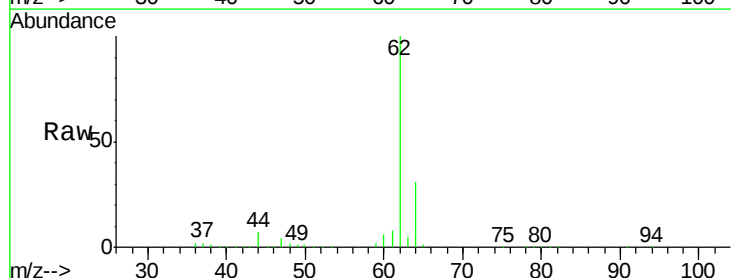
Acq: 05 May 2018 17:54

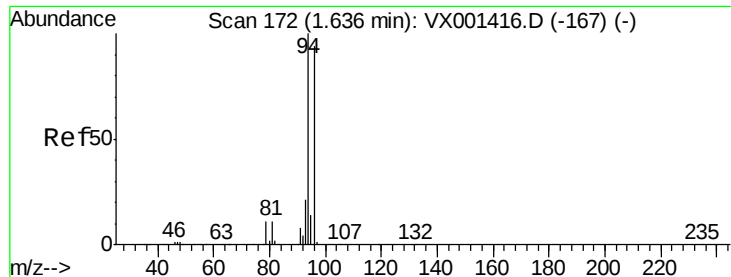
Tgt Ion: 62 Resp: 73637

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.6





#5

Bromomethane

Concen: 28.167 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 94 Resp: 47080

Ion Ratio Lower Upper

94 100

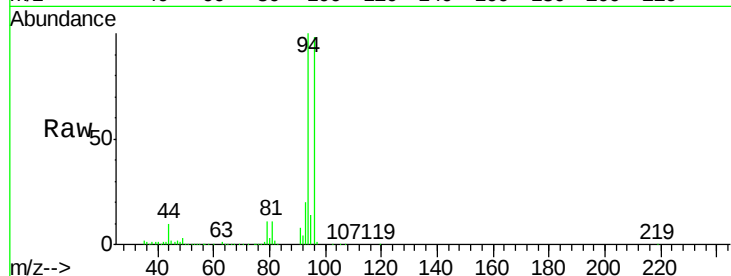
96 98.2 75.0 112.6

Manual Integrations

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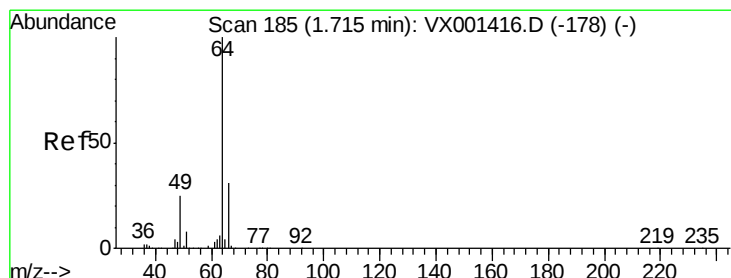
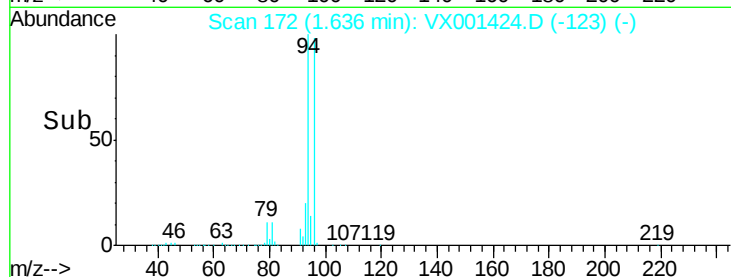
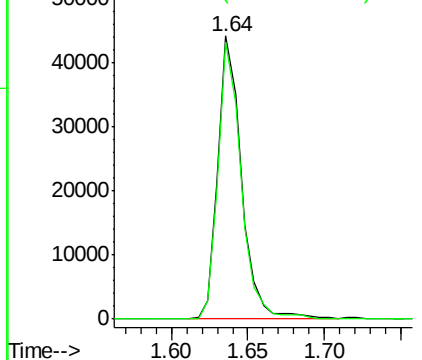
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.790 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001424.D

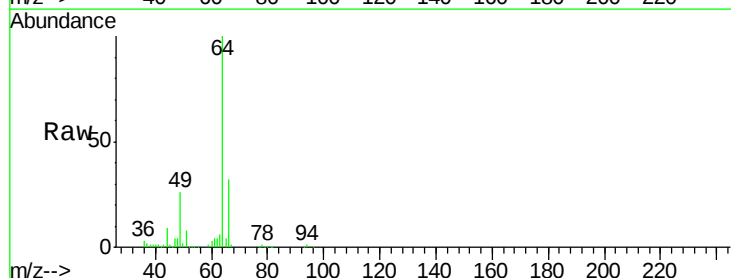
Acq: 05 May 2018 17:54

Tgt Ion: 64 Resp: 47640

Ion Ratio Lower Upper

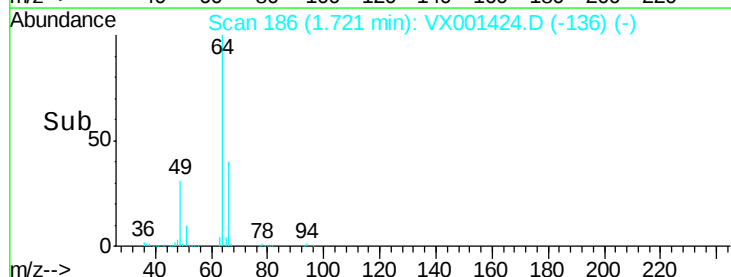
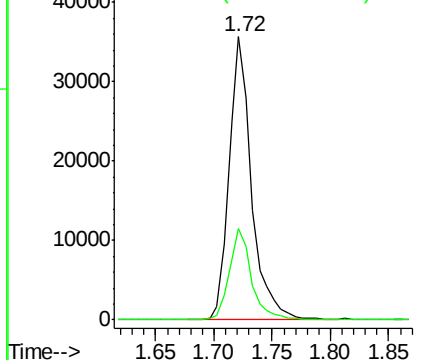
64 100

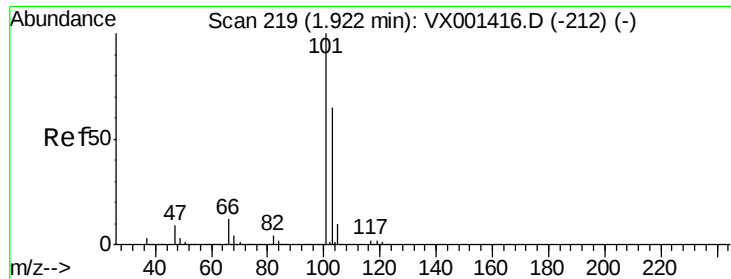
66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

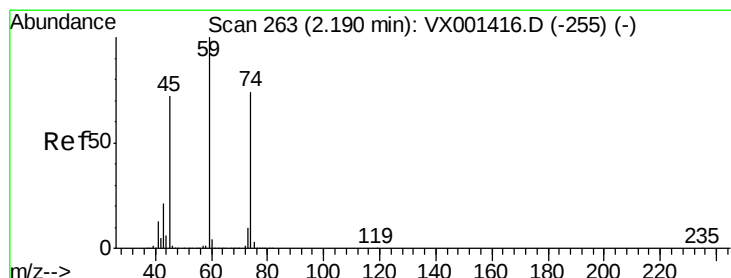
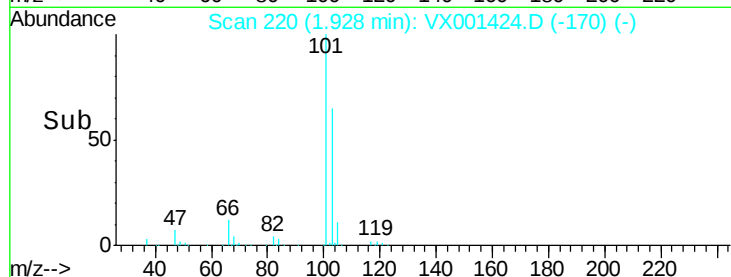
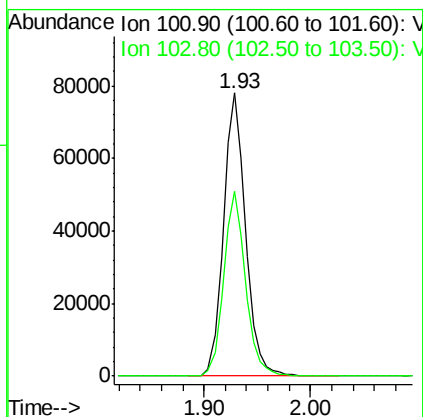
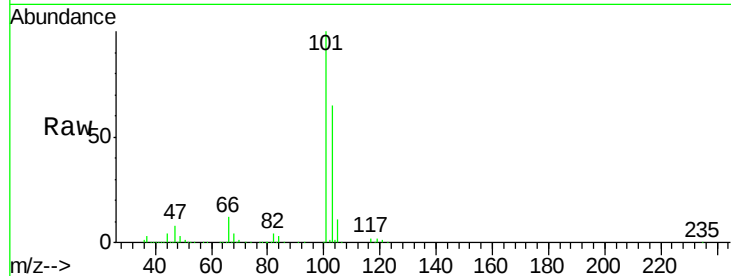
Trichlorofluoromethane
Concen: 21.632 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	112862		
103	65.4	52.0	78.0	

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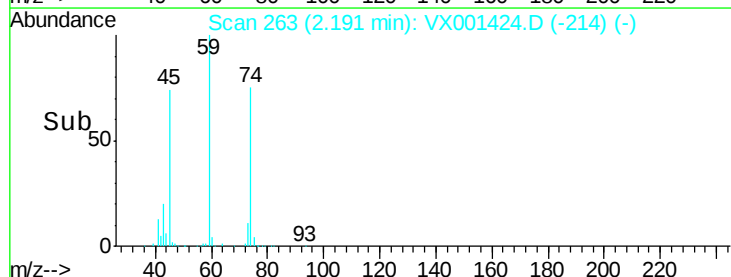
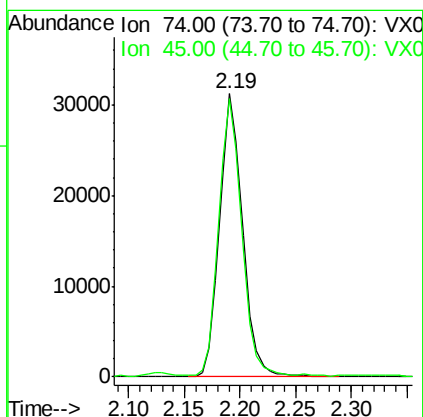
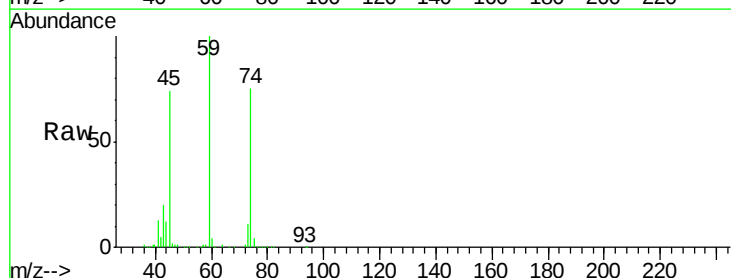
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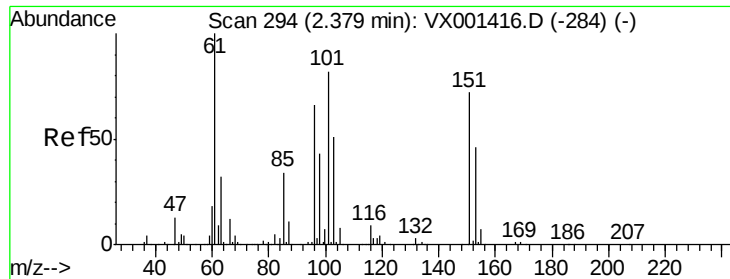


#8

Diethyl Ether
Concen: 21.921 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44827		
45	96.6	47.9	143.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.266 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

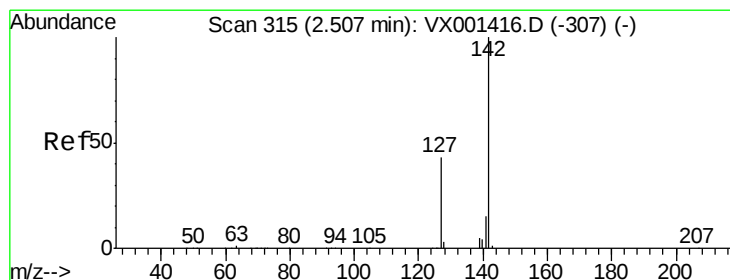
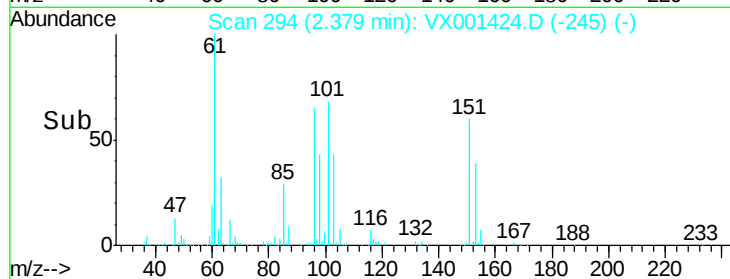
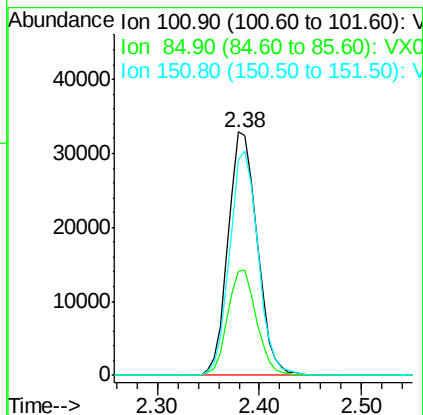
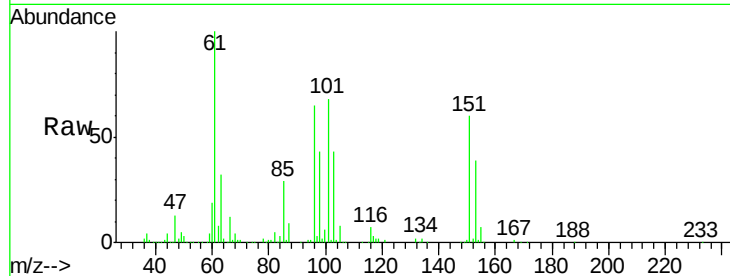
ClientSampleId :

VX0505WBSD01

Tot Ion:	101	Resp:	65045
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.7	50.5
151	89.9	72.3	108.5

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#10

Methyl Iodide

Concen: 19.093 ug/l

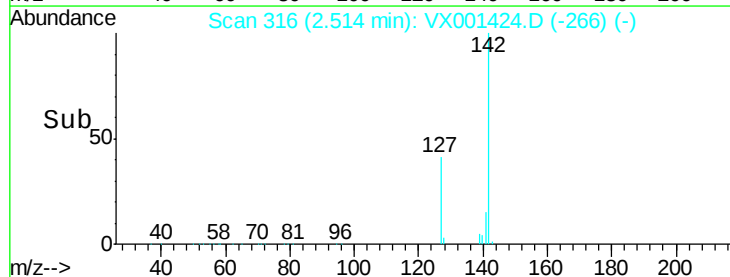
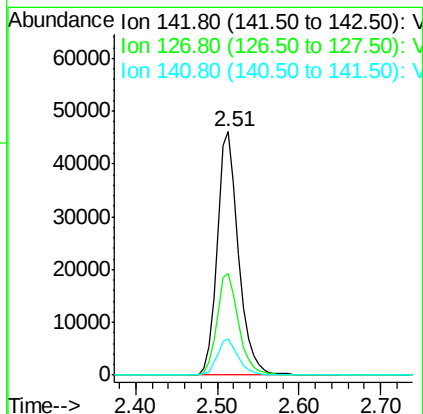
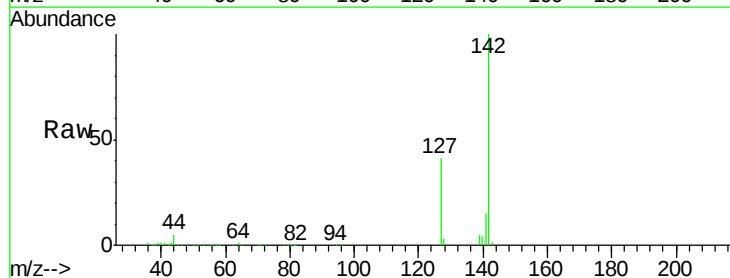
RT: 2.51 min Scan# 316

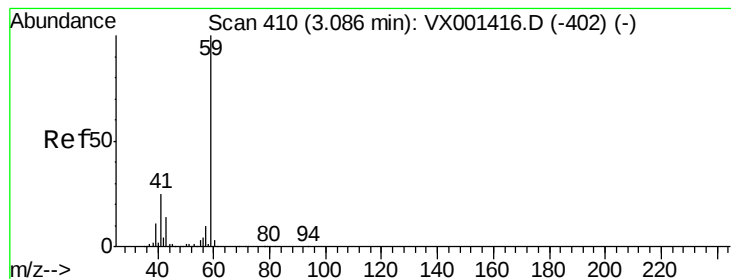
Delta R.T. 0.01 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Tgt Ion:	142	Resp:	84268
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.6	50.4
141	14.5	11.4	17.2





#11

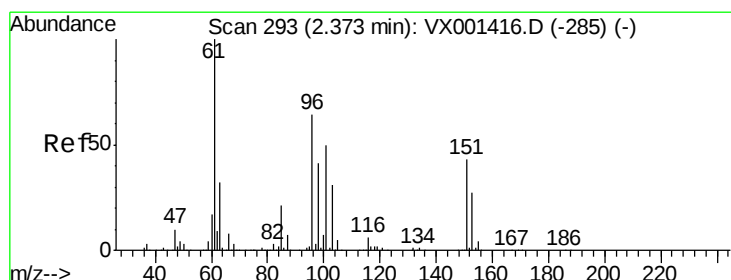
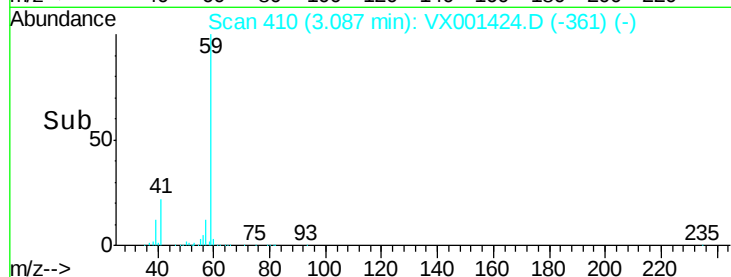
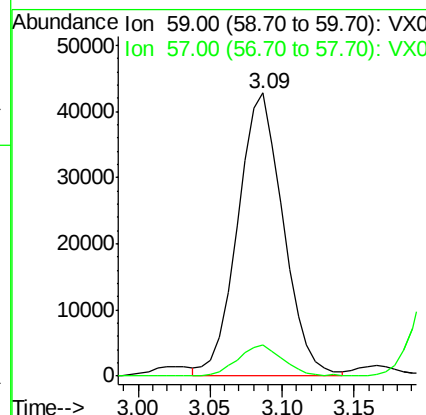
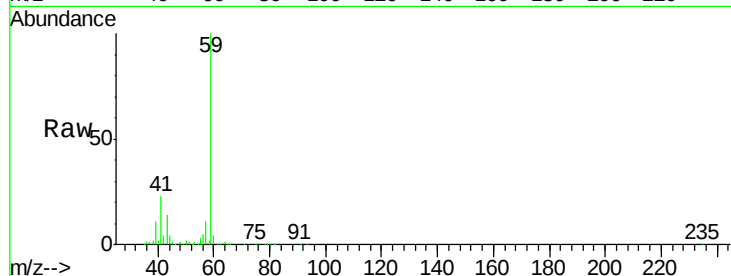
Tert butyl alcohol
 Concen: 122.355 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBSD01

Tot Ion	59	Resp	93944
Ion Ratio	100	Lower	Upper
57	11.0	8.2	12.4

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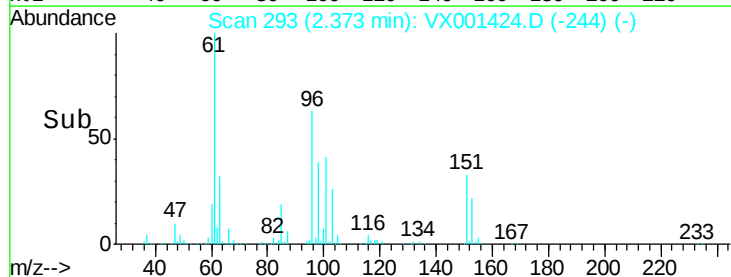
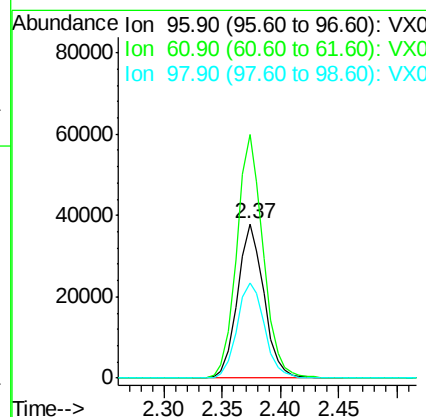
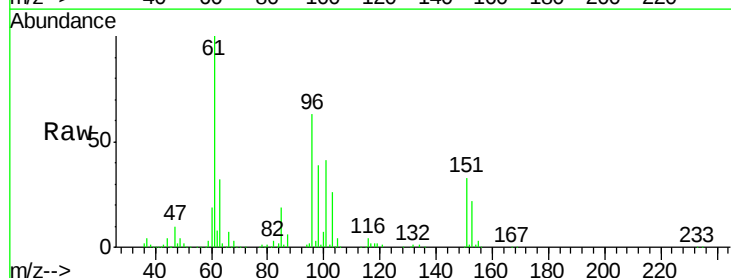
apatel
 5/8/2018 7:53:59 AM



#12

1,1-Dichloroethene
 Concen: 21.469 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Tgt Ion	96	Resp	60190
Ion Ratio	100	Lower	Upper
61	157.9	125.7	188.5
98	61.4	52.0	78.0





#13

Acrolein

Concen: 106.988 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 56 Resp: 17204

Ion Ratio Lower Upper

56 100

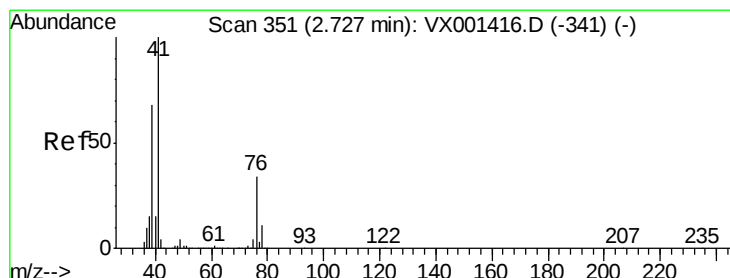
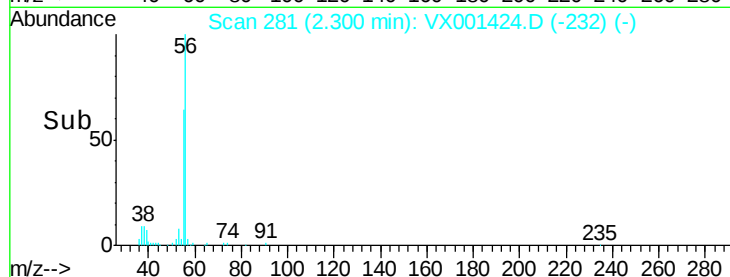
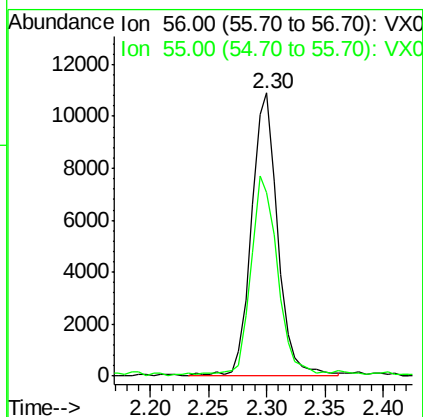
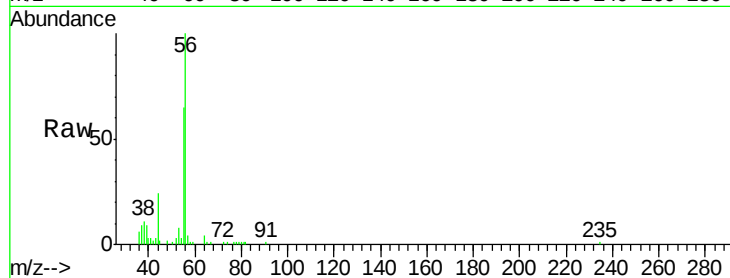
55 70.1 54.5 81.7

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#14

Allyl chloride

Concen: 21.570 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

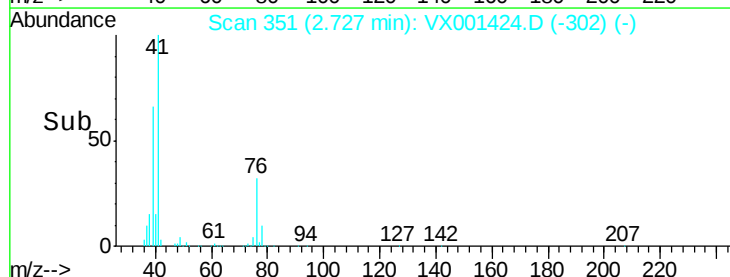
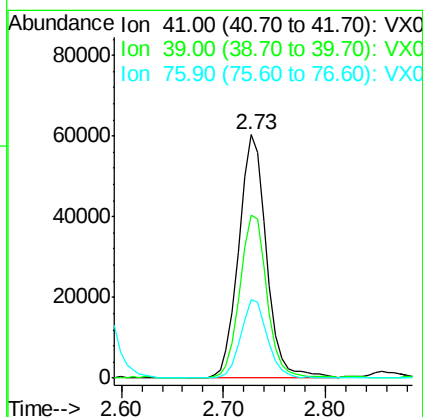
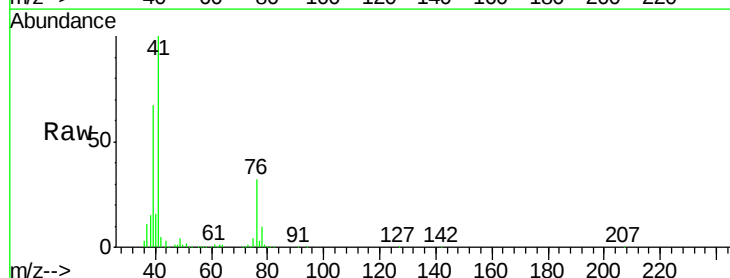
Tgt Ion: 41 Resp: 112761

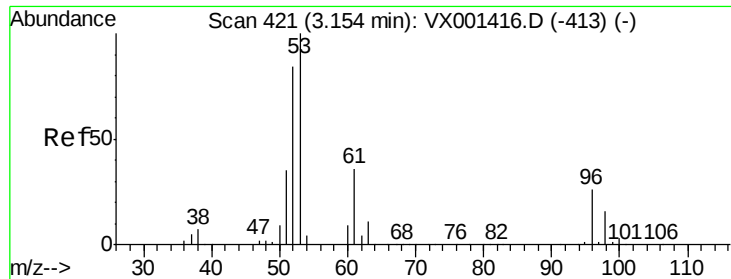
Ion Ratio Lower Upper

41 100

39 65.2 52.4 78.6

76 31.1 25.8 38.6





#15

Acrylonitrile

Concen: 116.458 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

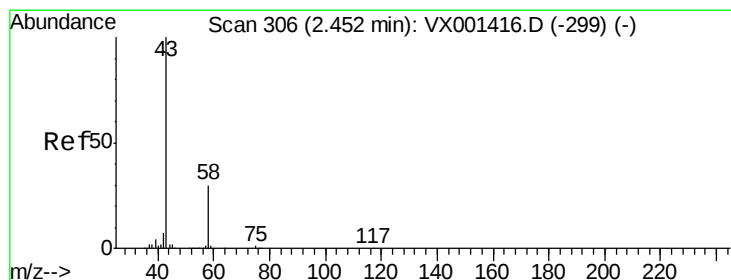
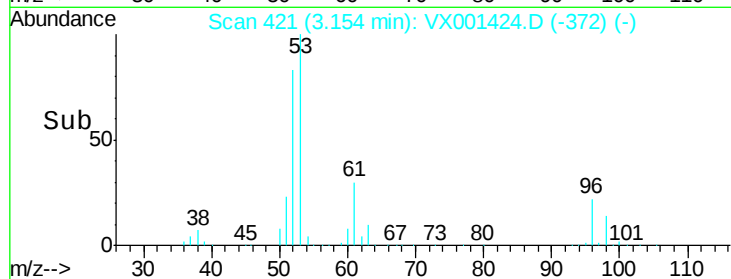
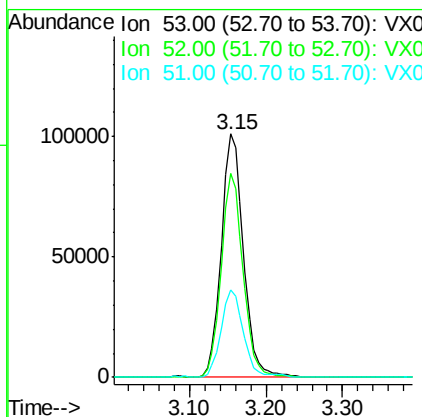
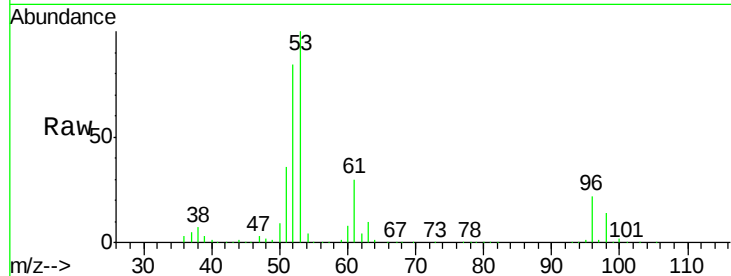
ClientSampleId :

VX0505WBSD01

Tot Ion	53	Resp	202055
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.2	99.2
51	36.3	28.6	43.0

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#16

Acetone

Concen: 118.732 ug/l

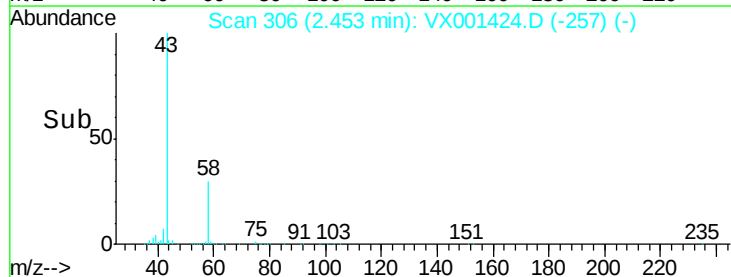
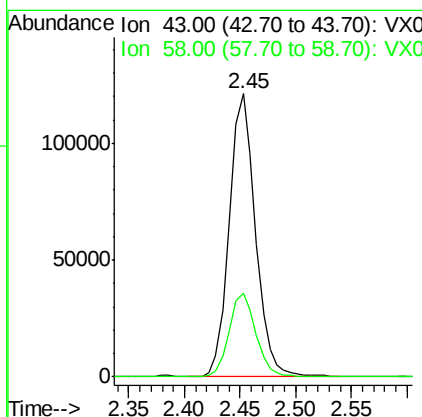
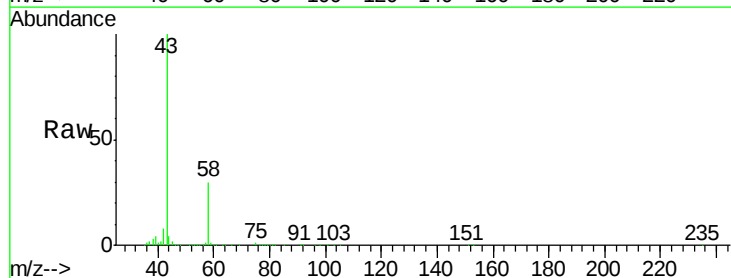
RT: 2.45 min Scan# 306

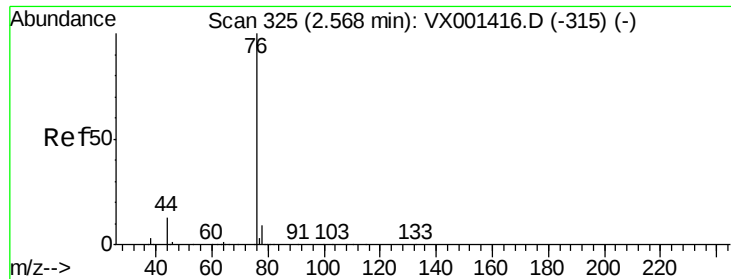
Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Tgt Ion	43	Resp	196336
Ion Ratio	Lower	Upper	
43	100		
58	29.6	23.8	35.8





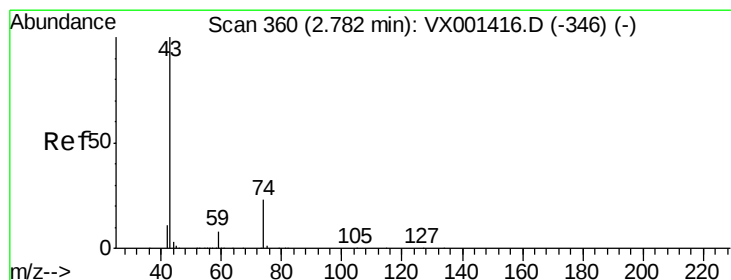
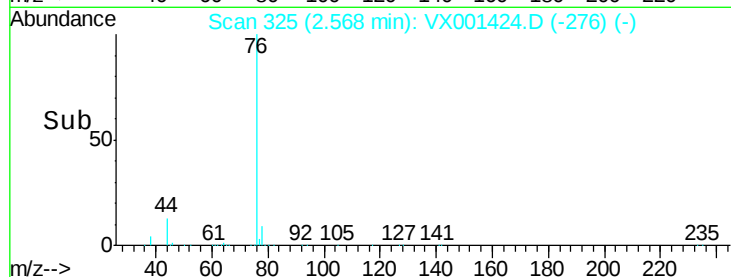
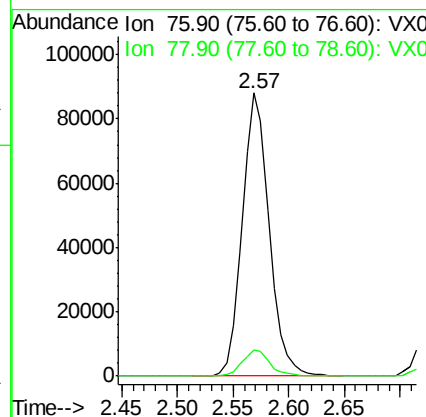
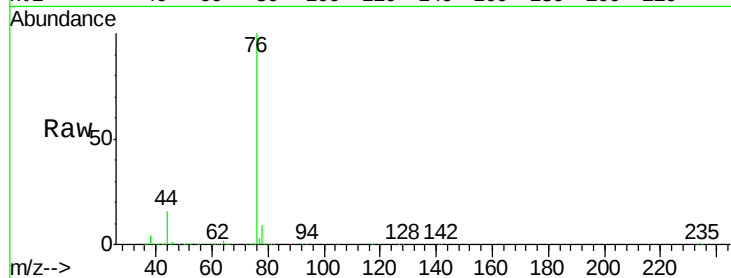
#17
Carbon Disulfide
Concen: 20.624 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

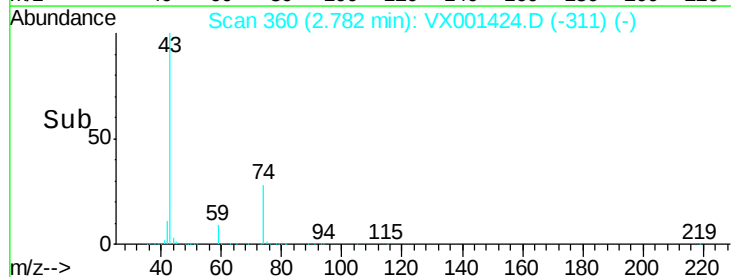
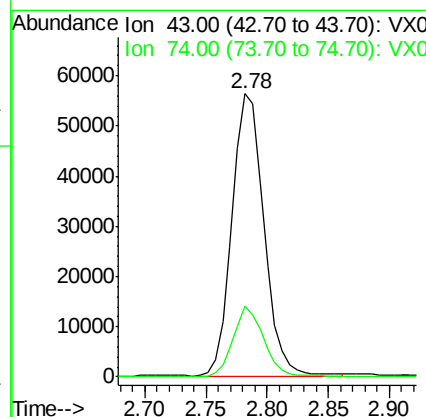
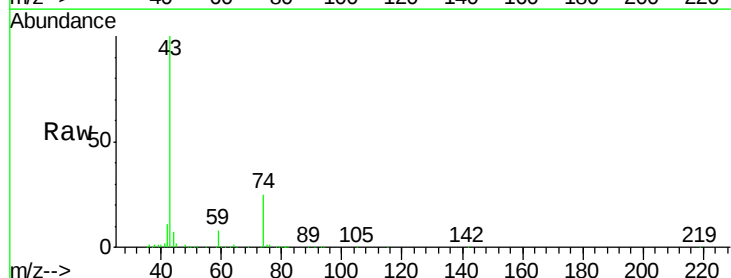
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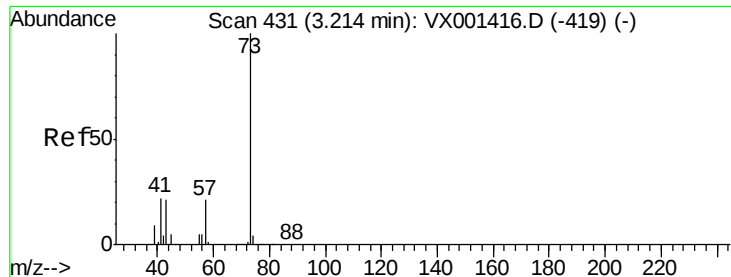
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#18
Methyl Acetate
Concen: 23.387 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.6	27.8





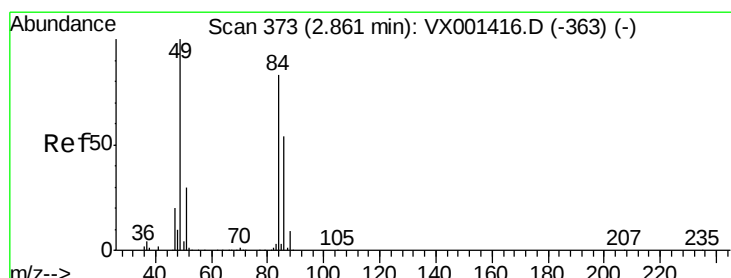
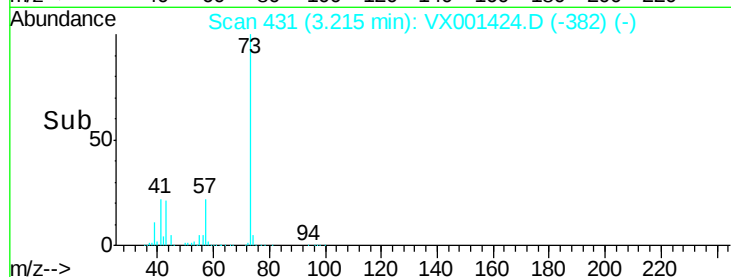
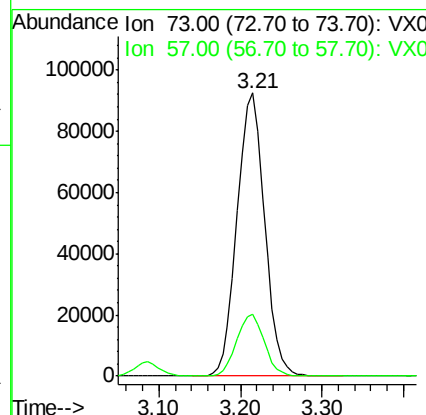
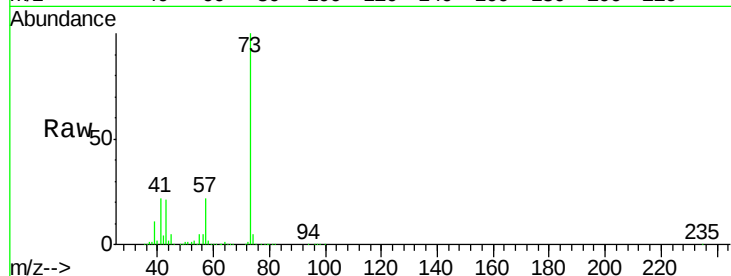
#19
Methvl tert-butvl Ether
Concen: 22.114 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion: 73 Resp: 215858
Ion Ratio Lower Upper
73 100
57 22.1 17.0 25.6

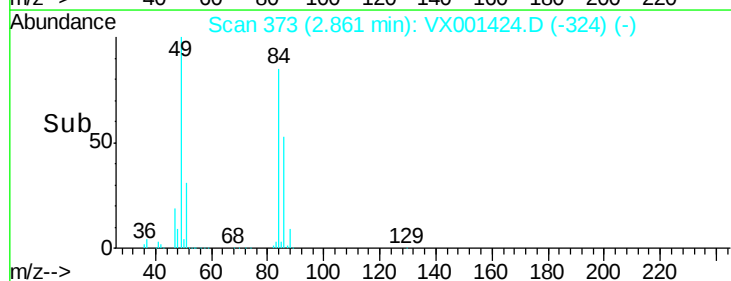
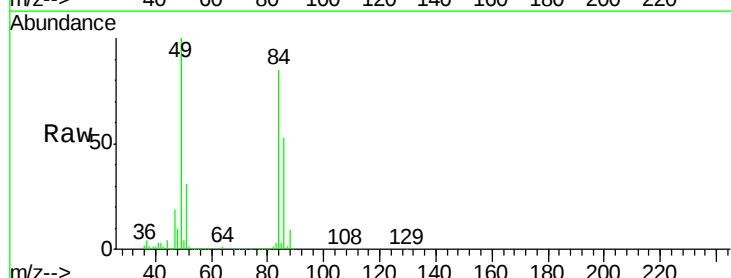
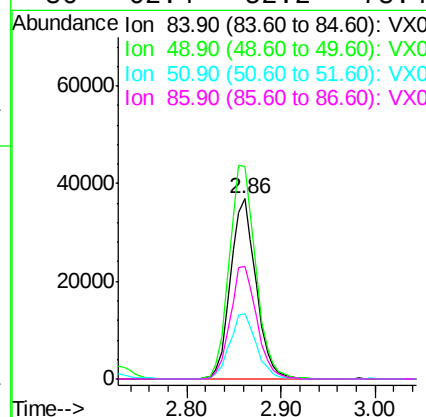
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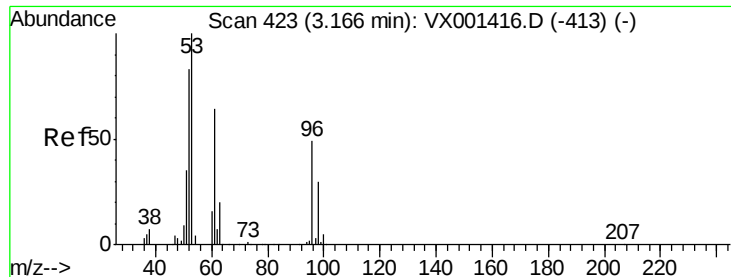
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#20
Methylene Chloride
Concen: 21.227 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion: 84 Resp: 69500
Ion Ratio Lower Upper
84 100
49 118.1 96.6 144.8
51 36.3 29.0 43.4
86 62.4 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.623 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 96 Resp: 64525

Ion Ratio Lower Upper

96 100

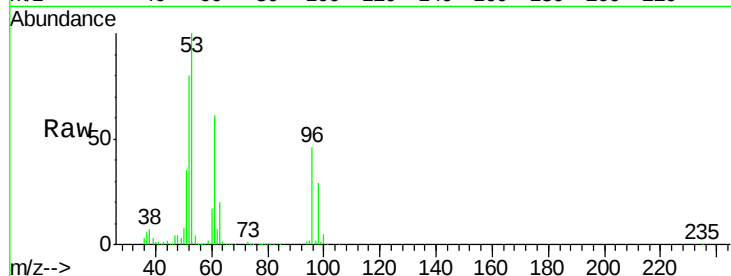
61 134.5 105.0 157.4

98 64.5 49.9 74.9

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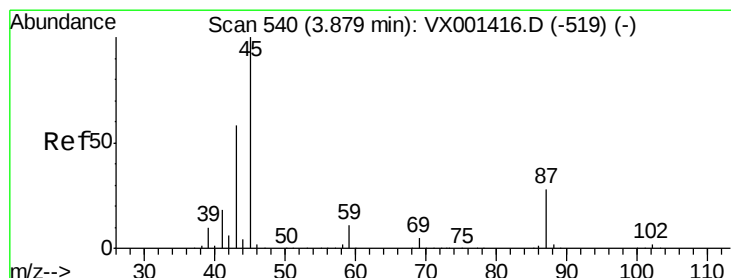
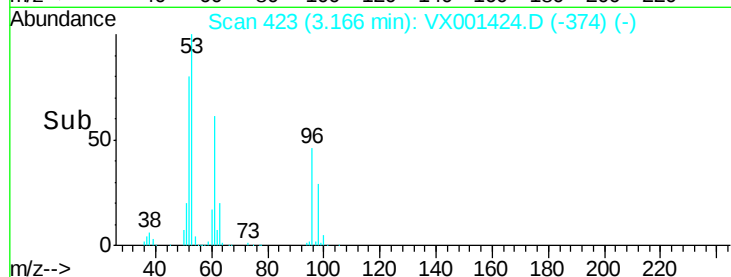
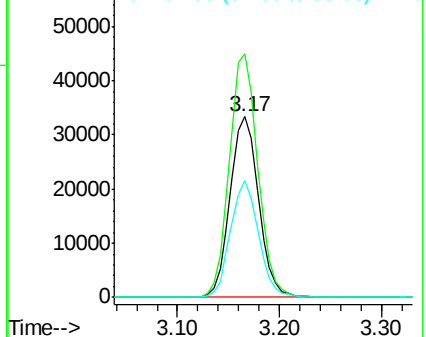


Abundance

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: 20.832 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Tgt Ion: 45 Resp: 203464

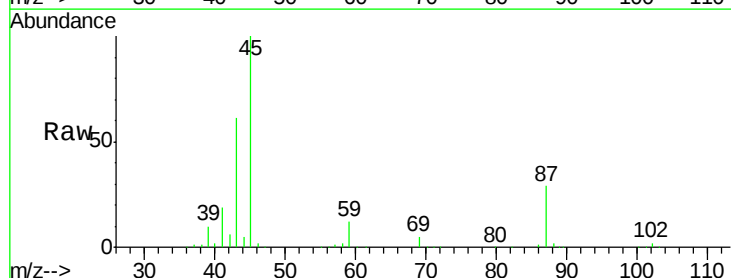
Ion Ratio Lower Upper

45 100

43 60.7 46.5 69.7

87 28.9 22.6 34.0

59 11.8 9.1 13.7



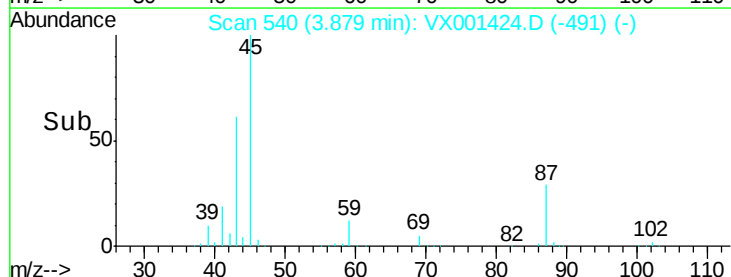
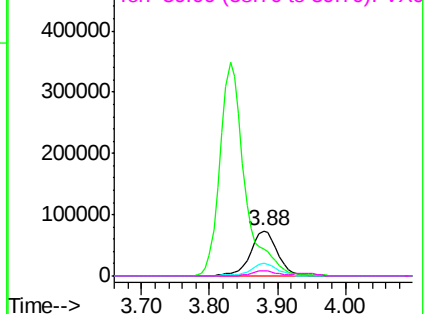
Abundance

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: 109.258 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 43 Resp: 889317

Ion Ratio Lower Upper

43 100

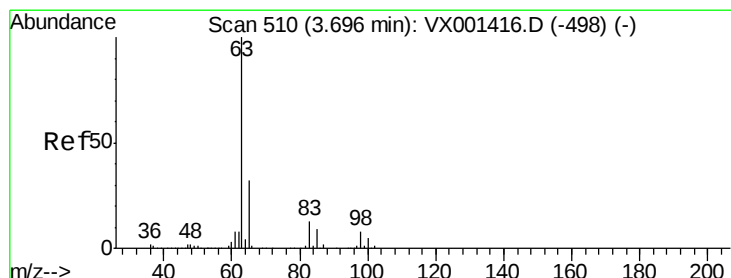
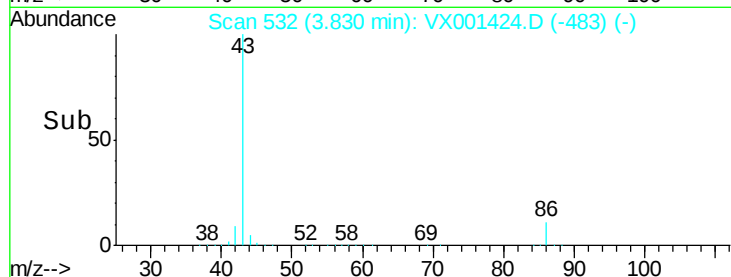
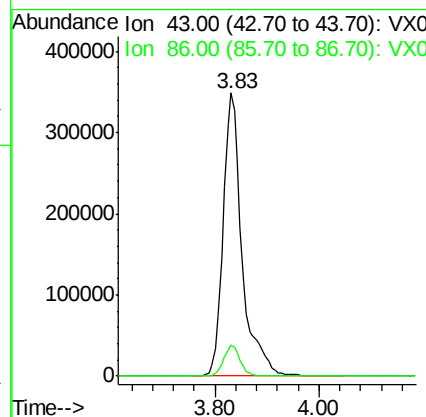
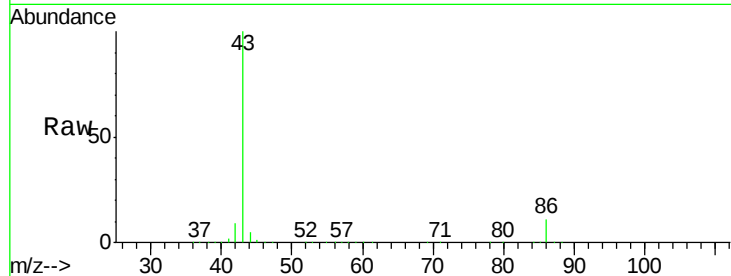
86 10.8 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 21.588 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

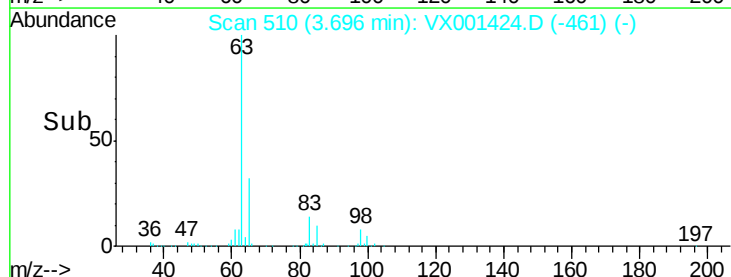
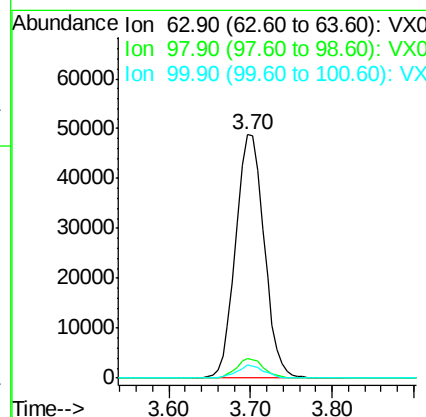
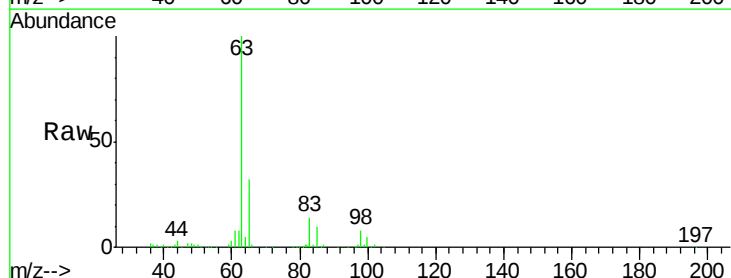
Tgt Ion: 63 Resp: 117778

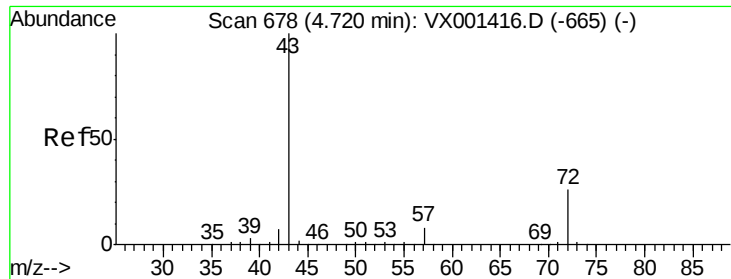
Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.4

100 5.2 2.4 7.1





#25

2-Butanone

Concen: 116.375 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 43 Resp: 278170

Ion Ratio Lower Upper

43 100

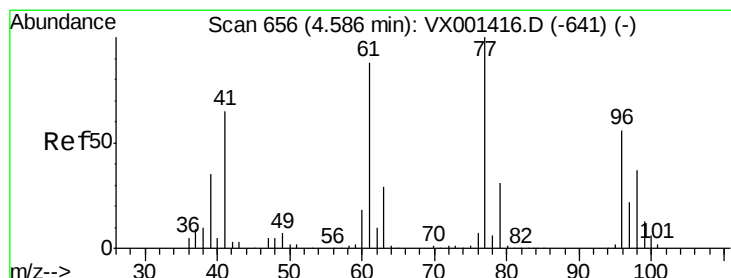
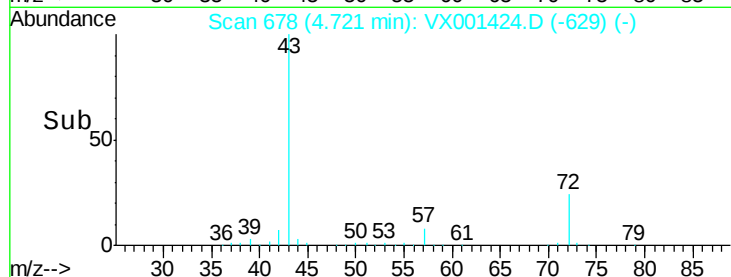
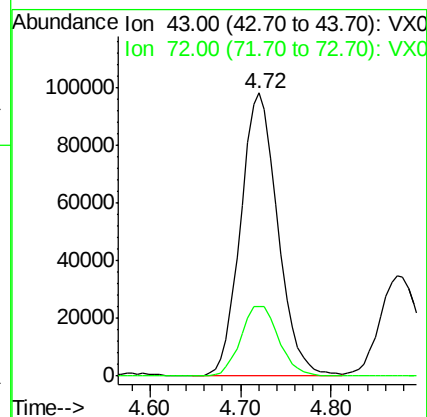
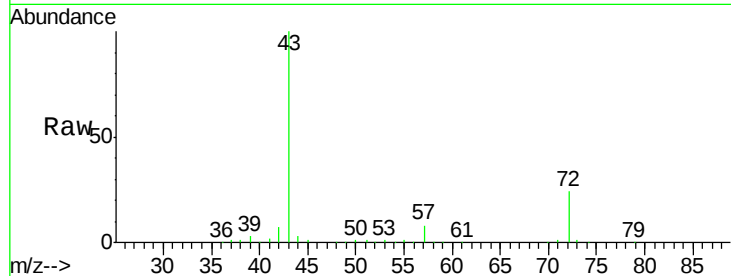
72 24.5 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 20.843 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001424.D

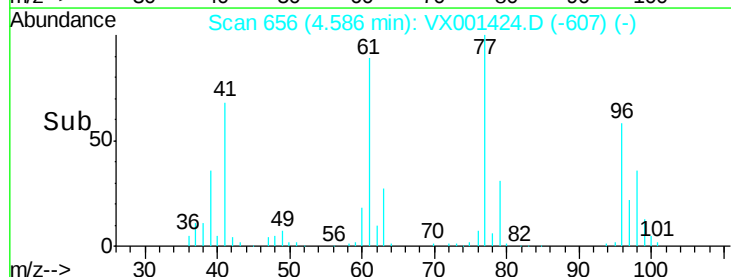
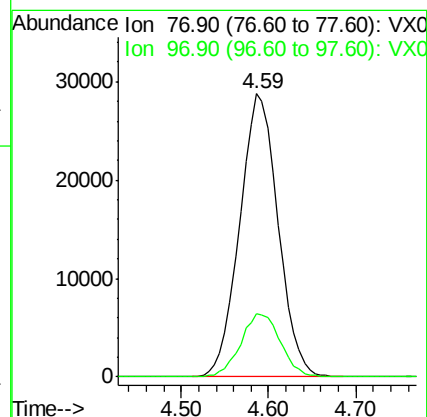
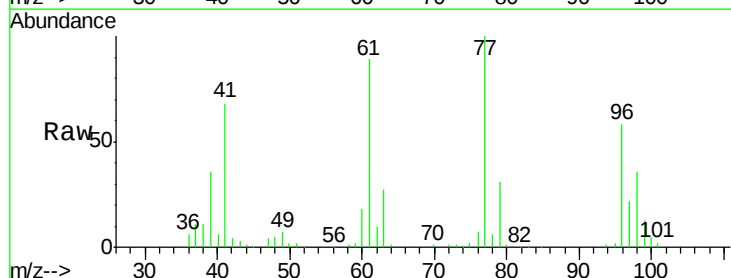
Acq: 05 May 2018 17:54

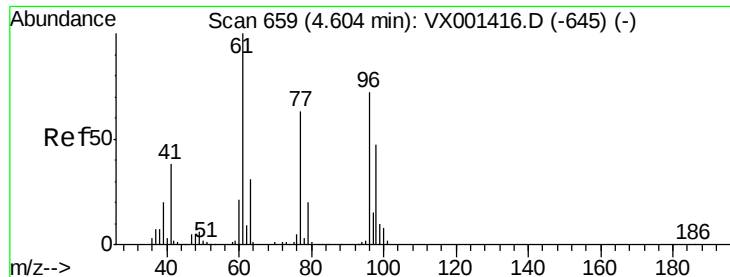
Tgt Ion: 77 Resp: 87817

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.6





#27

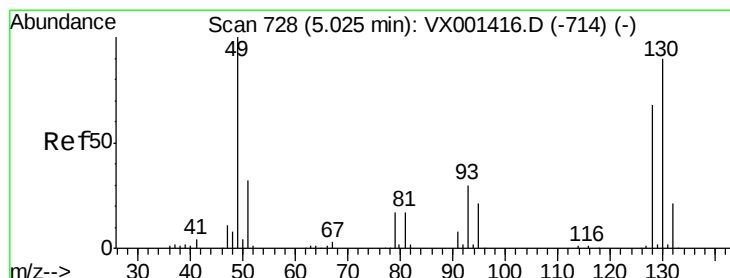
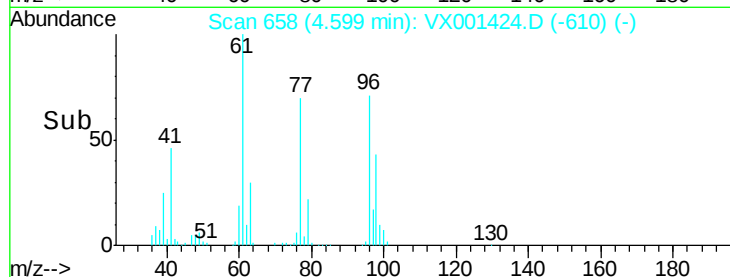
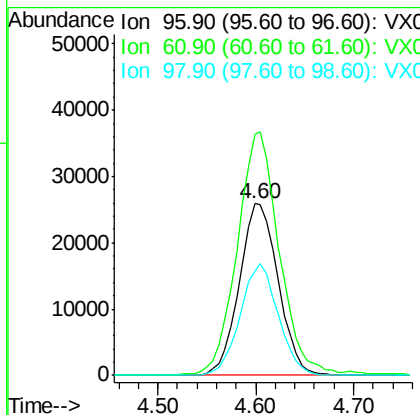
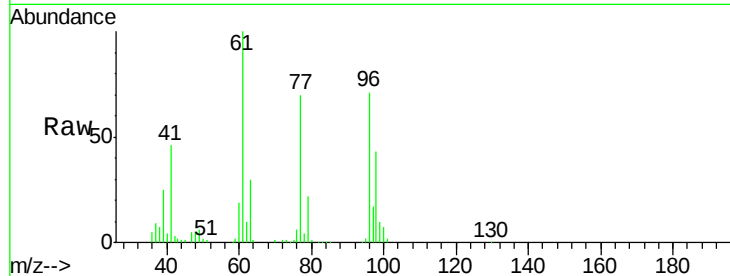
cis-1,2-Dichloroethene
Concen: 21.394 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	301.6
98	63.9	0.0	131.6

Manual Integrations
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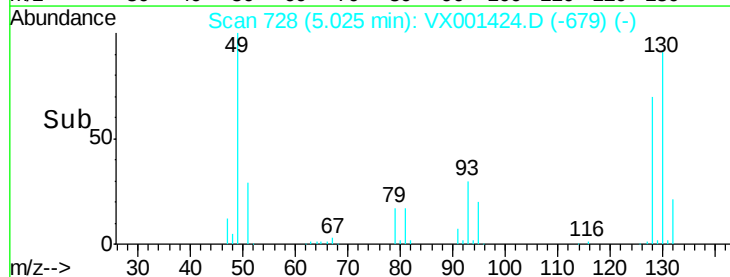
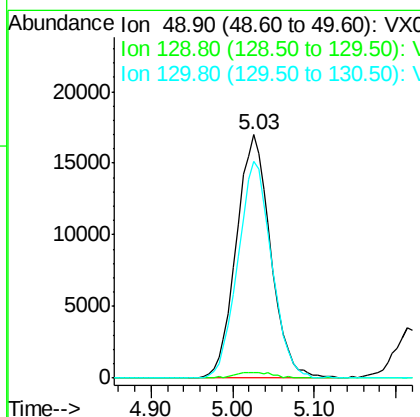
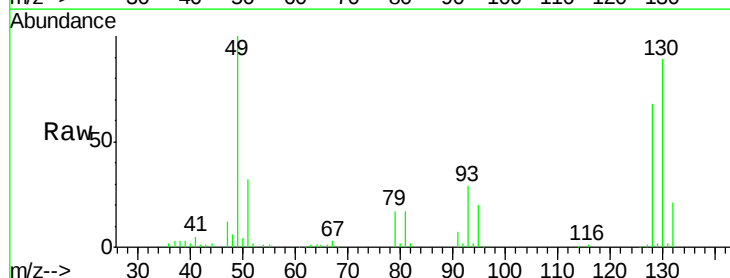
apatel
5/8/2018 7:53:59 AM

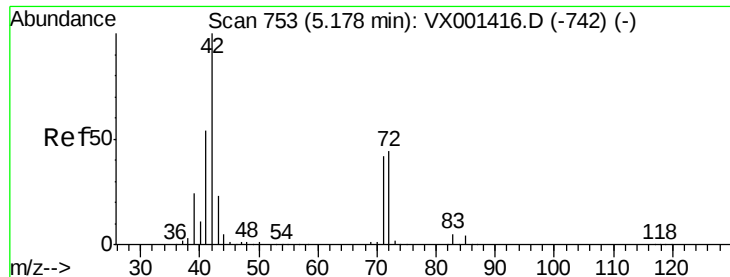


#28

Bromochloromethane
Concen: 20.922 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	87.9	71.9	107.9





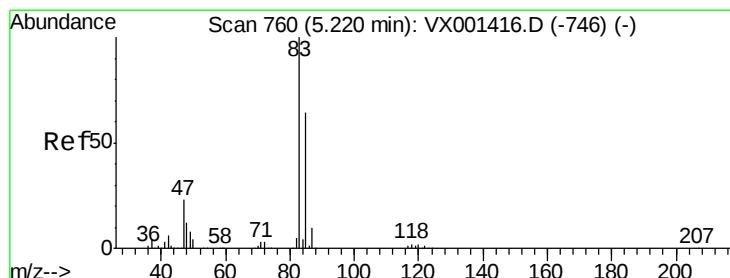
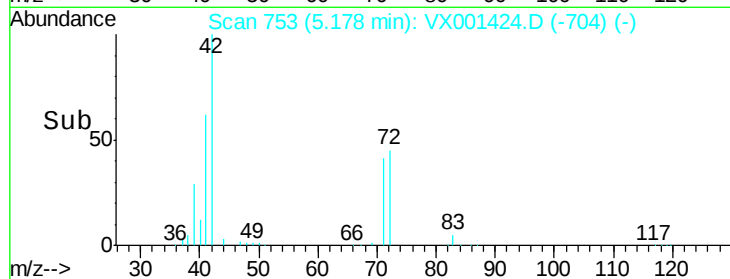
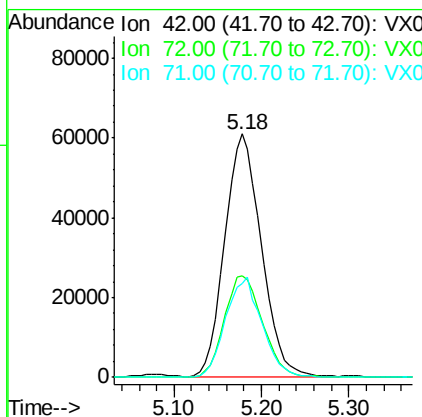
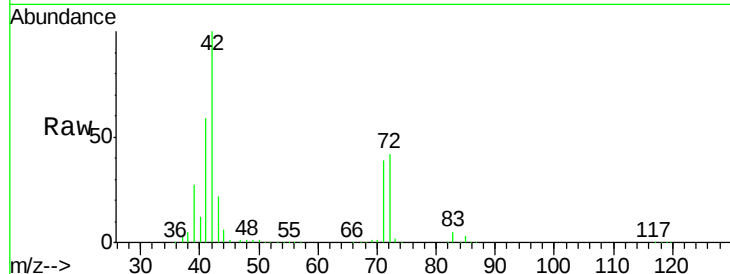
#29
Tetrahydrofuran
Concen: 115.607 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.4	53.2
71	41.1	33.0	49.4

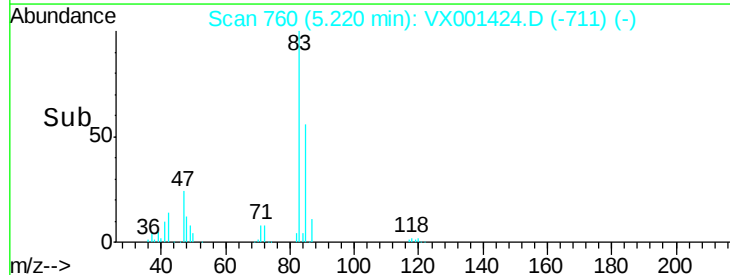
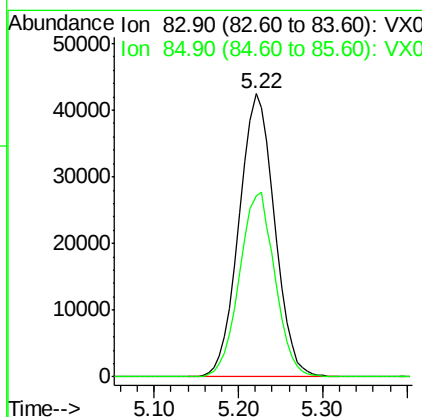
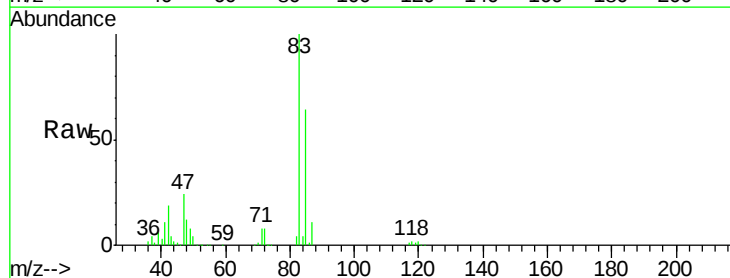
Manual Integrations
APPROVED

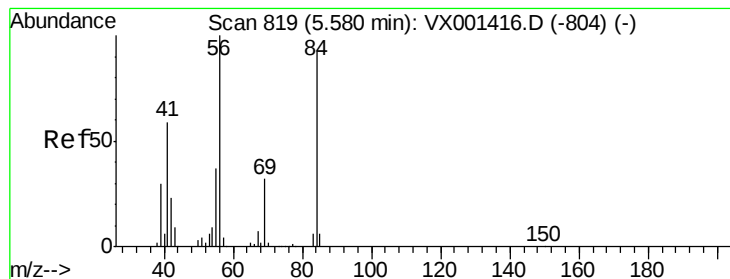
apatel
5/8/2018 7:53:59 AM



#30
Chloroform
Concen: 21.624 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4





#31

Cyclohexane

Concen: 21.037 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

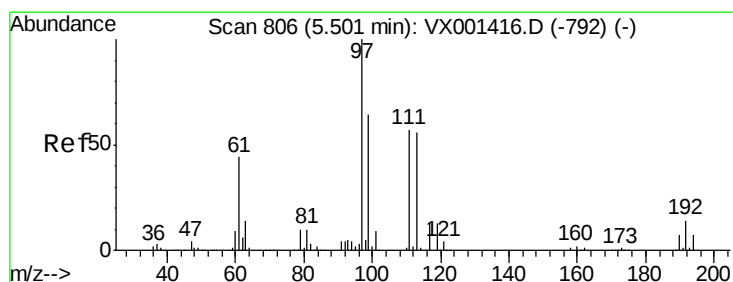
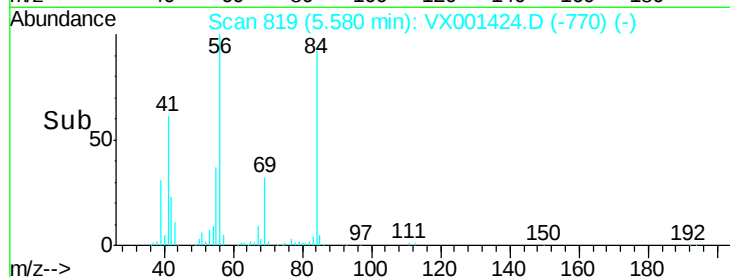
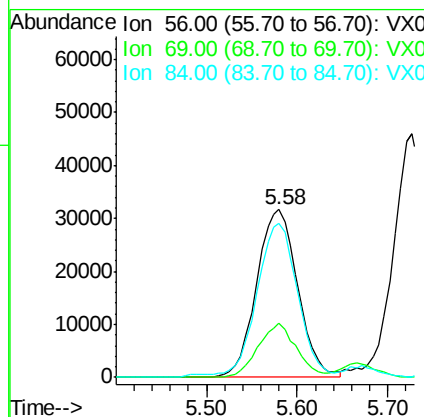
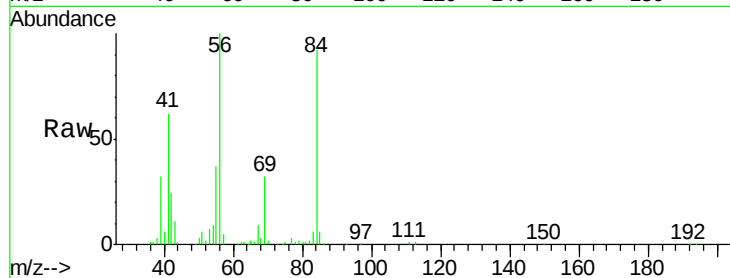
ClientSampleId :

VX0505WBSD01

Tot Ion:	56	Resp:	98577
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.4	38.0
84	90.6	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.355 ug/l

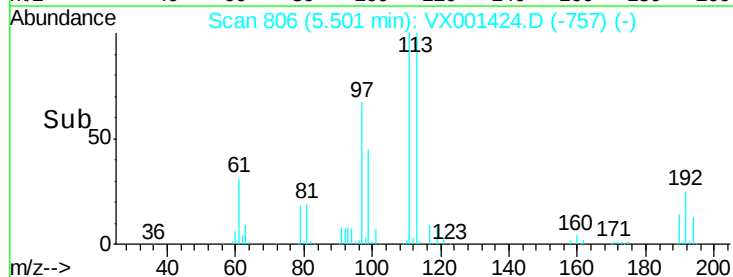
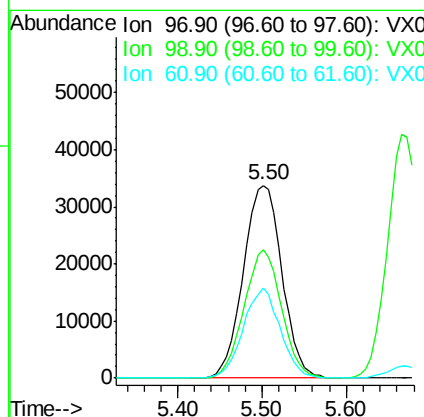
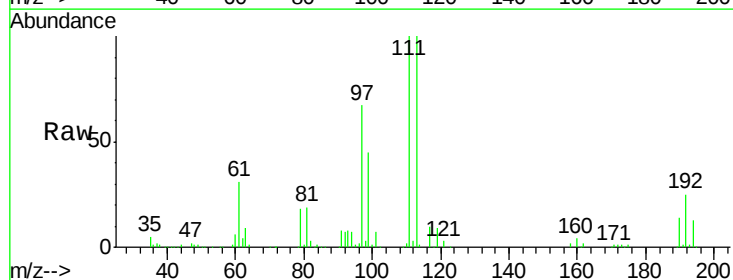
RT: 5.50 min Scan# 806

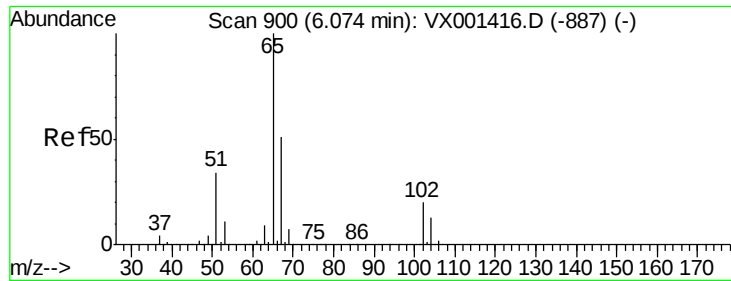
Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Tgt Ion:	97	Resp:	104892
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	44.8	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 54.109 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 65 Resp: 197048

Ion Ratio Lower Upper

65 100

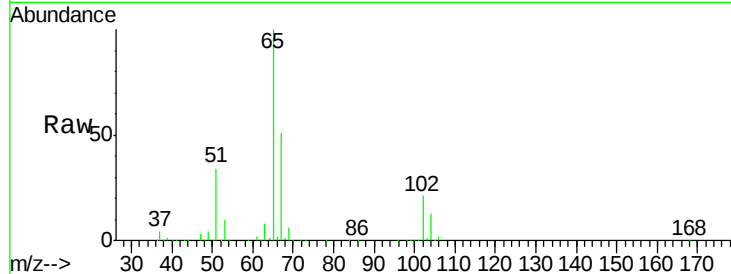
67 50.5 0.0 101.8

Manual Integrations

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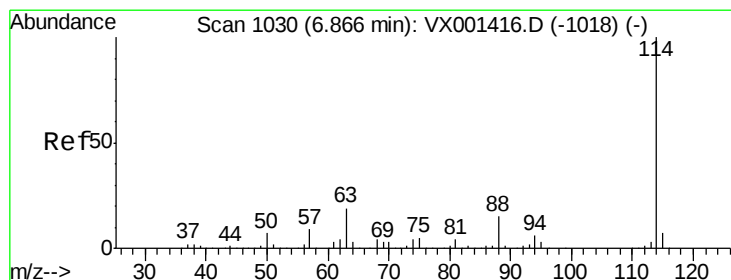
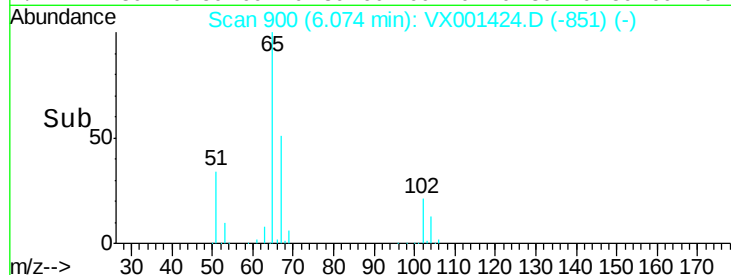
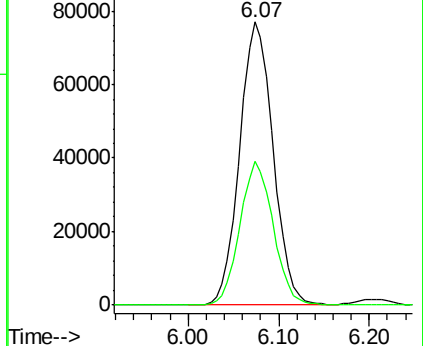
apatel

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

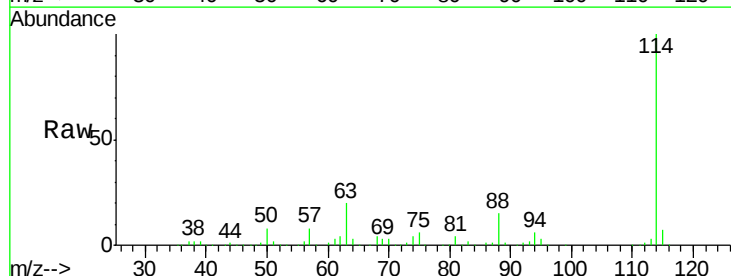
Tgt Ion: 114 Resp: 333834

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.6

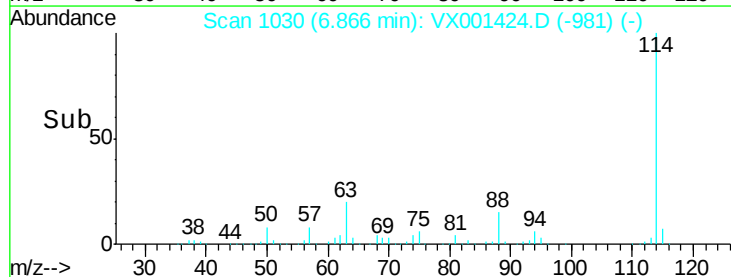
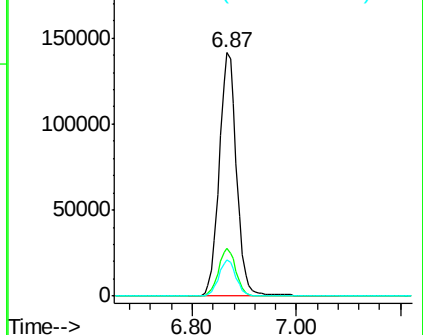
88 14.9 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





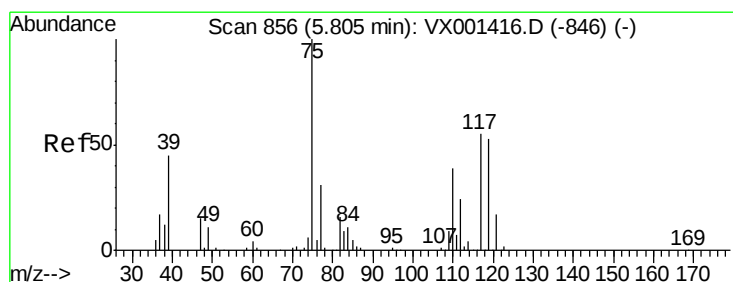
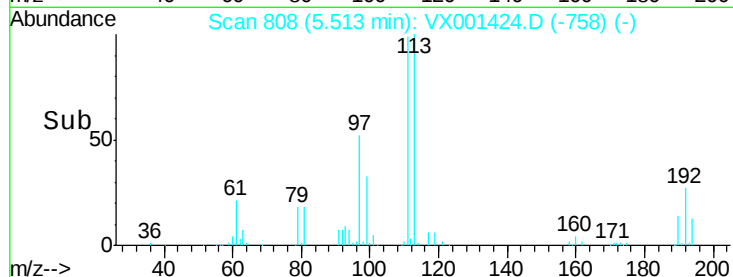
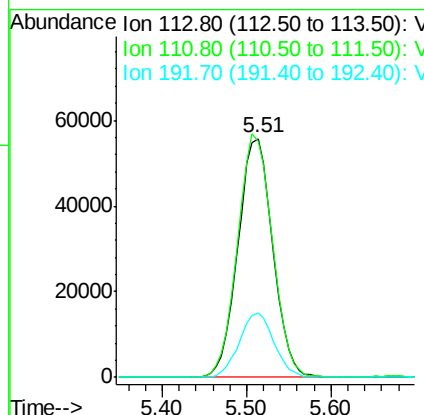
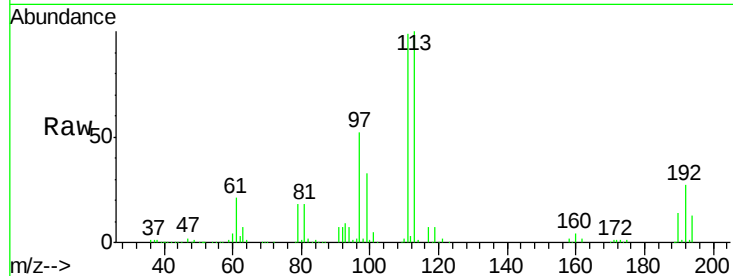
#35
 Dibromofluoromethane
 Concen: 52.454 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155756		
111	102.1	82.2	123.2	
192	26.9	21.4	32.0	

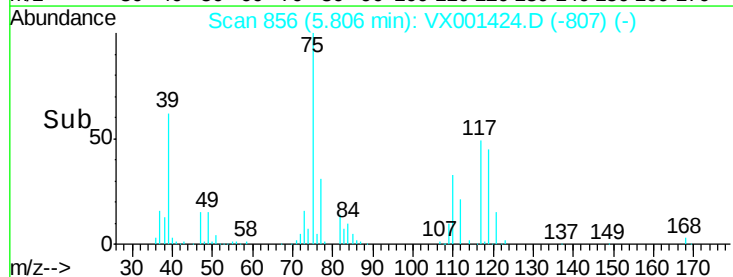
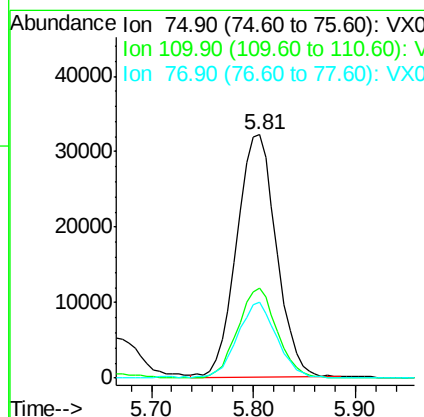
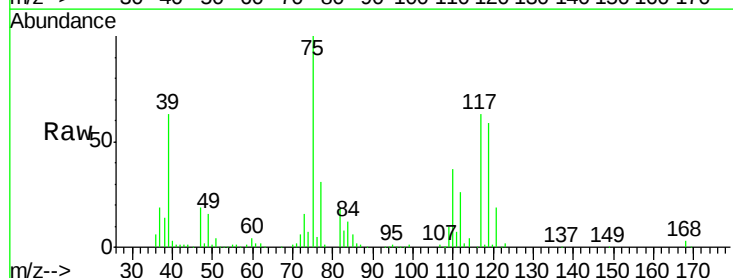
Manual Integrations
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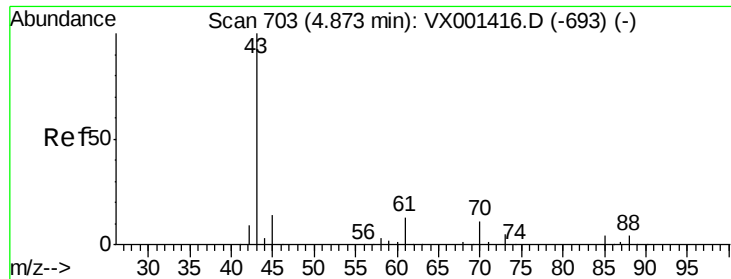
apatel
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#36
 1,1-Dichloropropene
 Concen: 20.436 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86782		
110	36.9	18.9	56.7	
77	30.7	24.9	37.3	





#37

Ethyl Acetate

Concen: 22.584 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

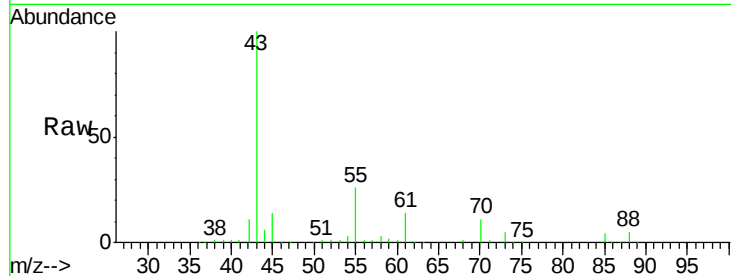
ClientSampleId :

VX0505WBSD01

Tot Ion:	43	Resp:	105128
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	10.7	8.4	12.6

Manual Integrations
APPROVED

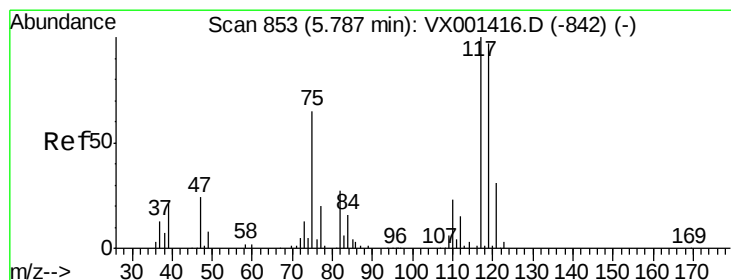
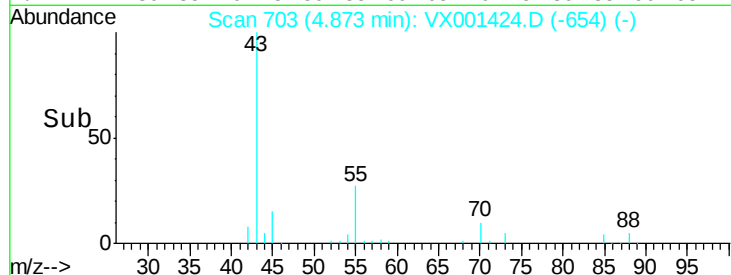
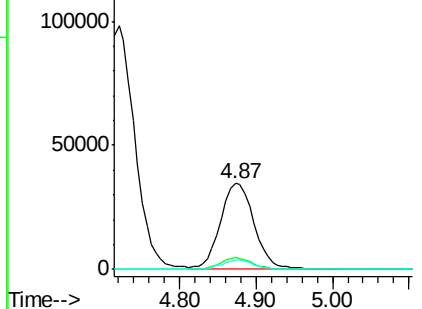
apatel
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 20.852 ug/l

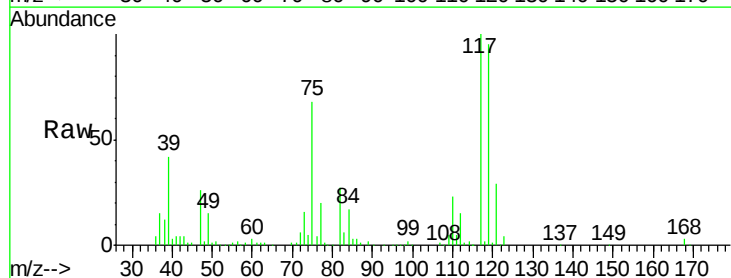
RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

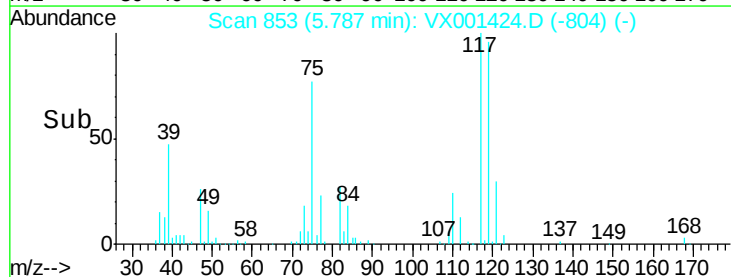
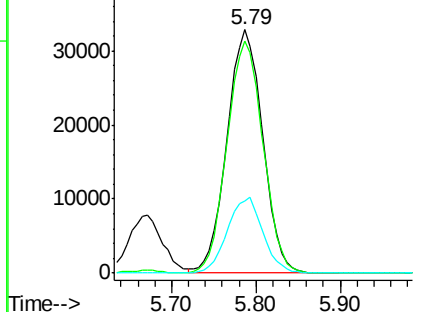
Tgt Ion:	117	Resp:	94440
Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.0	115.6
121	29.5	25.1	37.7

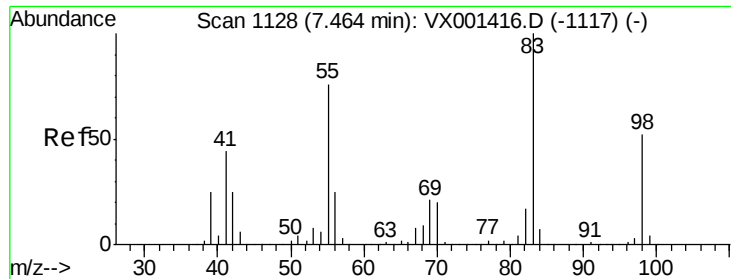


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





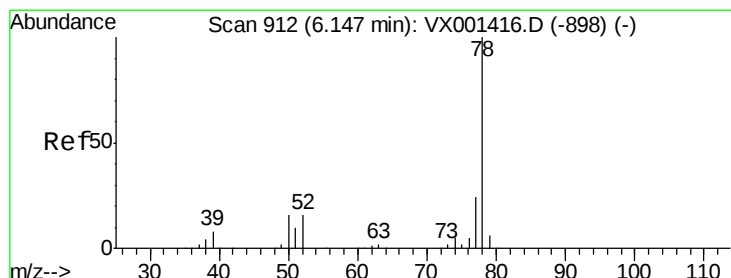
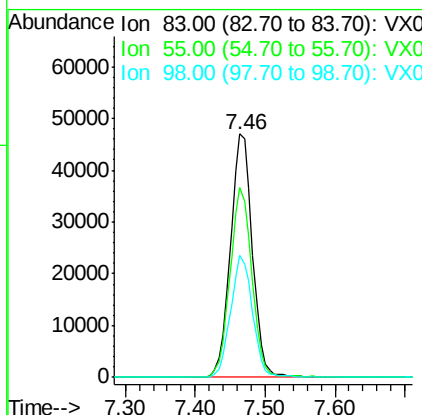
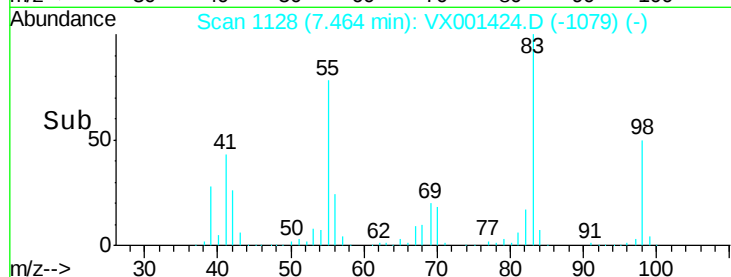
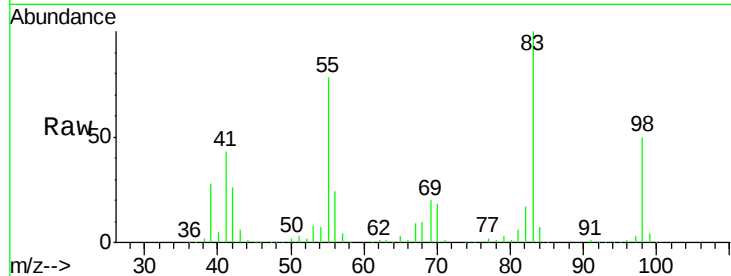
#39
Methvlcvclohexane
Concen: 20.399 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	83	Resp	102412
Ion Ratio	Lower	Upper	
83	100		
55	77.9	60.9	91.3
98	49.9	41.9	62.9

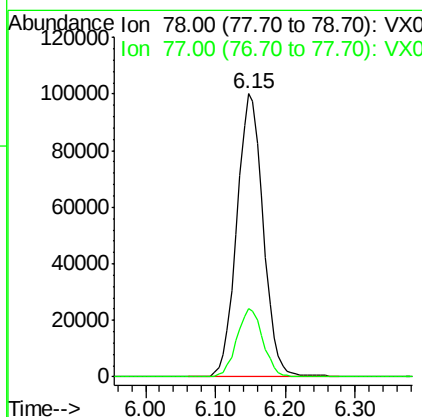
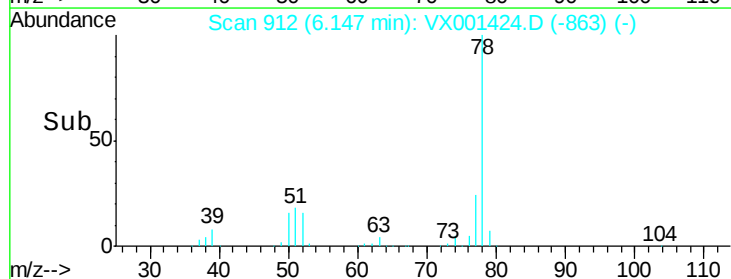
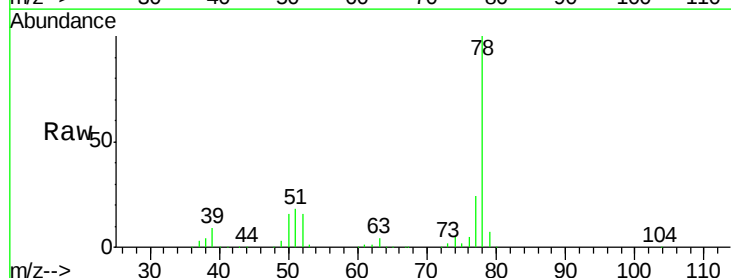
Manual Integrations
APPROVED

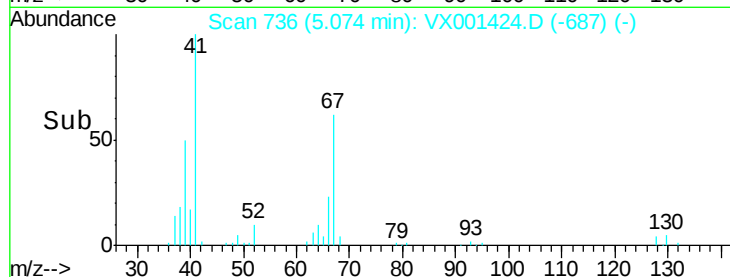
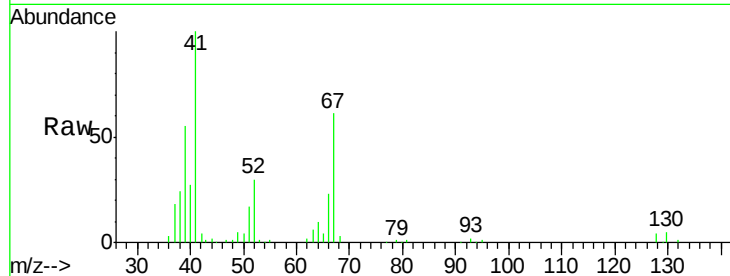
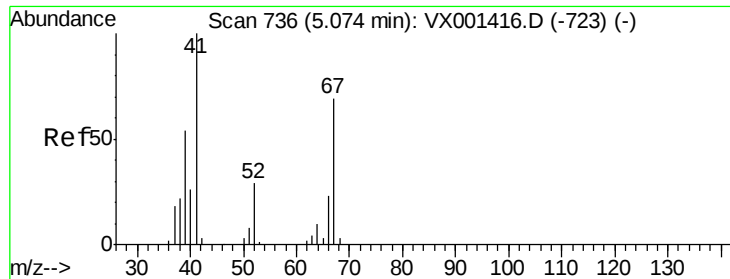
apatel
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#40
Benzene
Concen: 21.148 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	78	Resp	262307
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.4	29.2





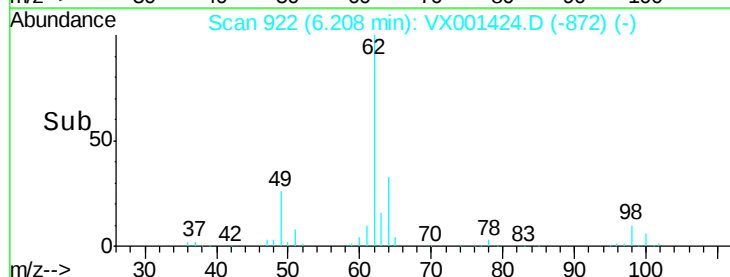
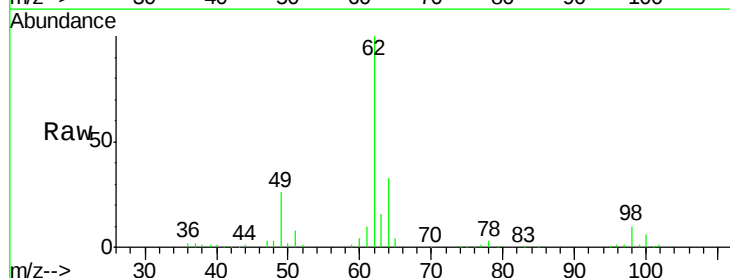
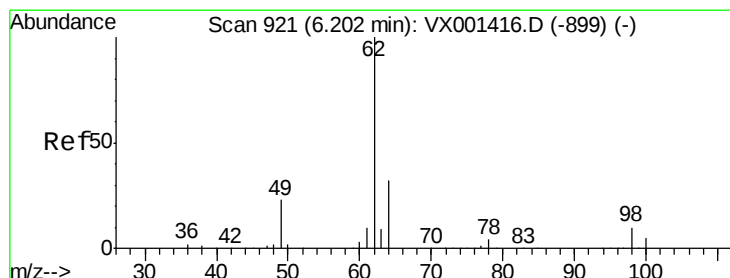
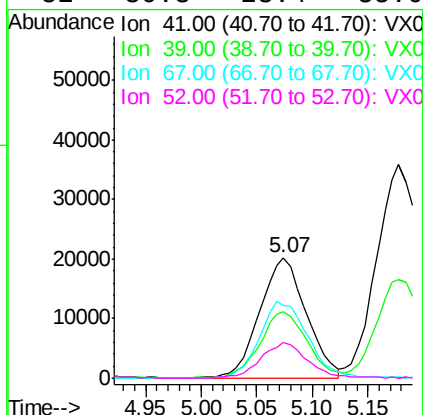
#41
Methacrylonitrile
Concen: 21.907 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		58346		
39	57.2	45.0	67.6		
67	67.2	55.0	82.6		
52	30.3	23.4	35.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

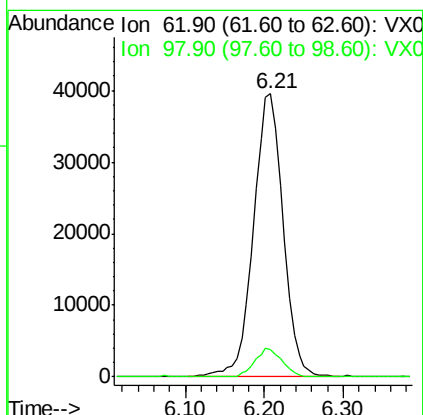
Manual Integrations
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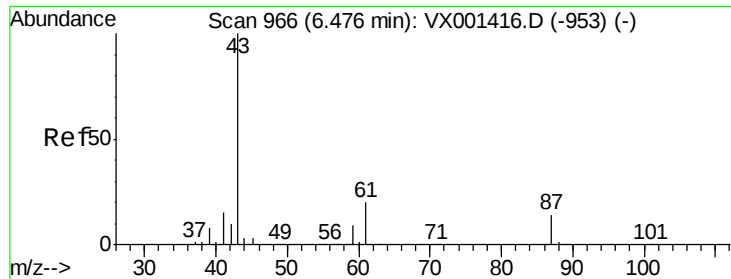
apatel
5/8/2018 7:53:59 AM



#42
1,2-Dichloroethane
Concen: 21.703 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		103463		
98	9.3	0.0	19.0		





#43

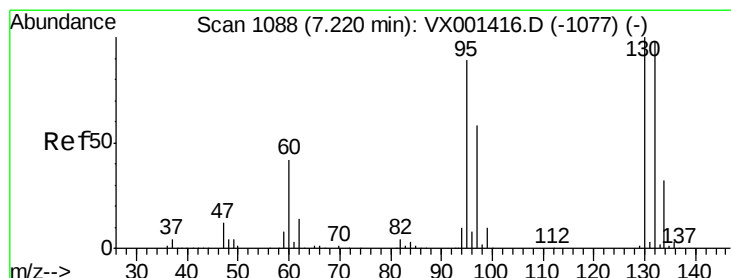
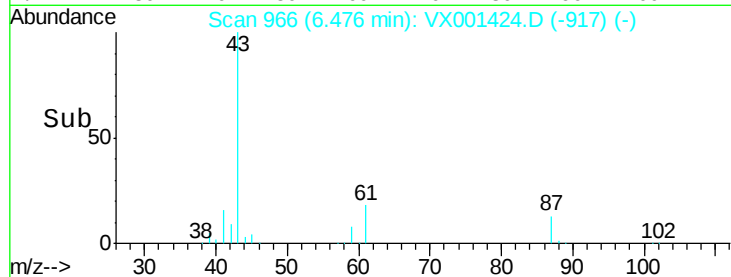
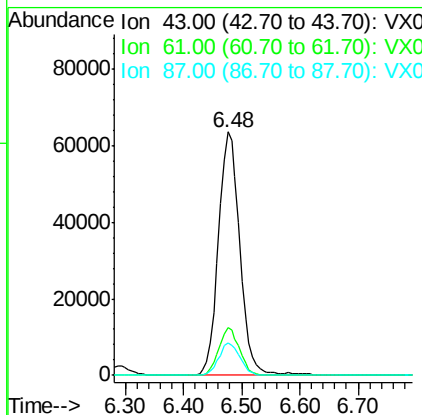
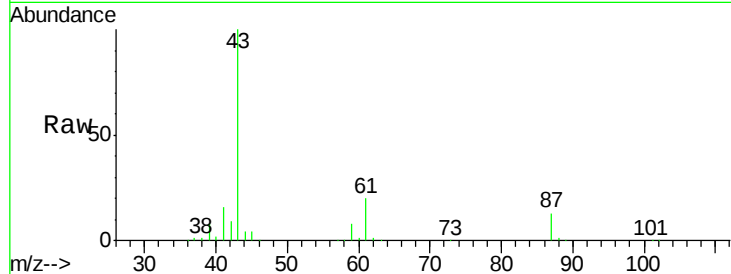
Isopropyl Acetate
 Concen: 22.535 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.1	10.8	16.2

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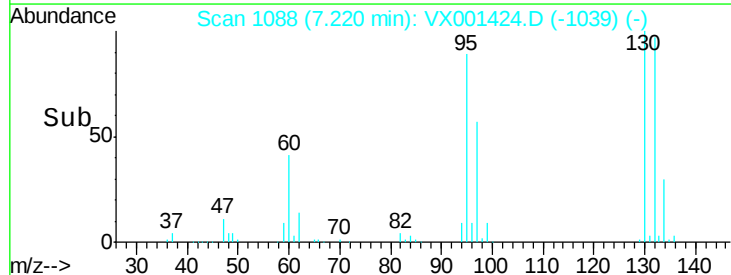
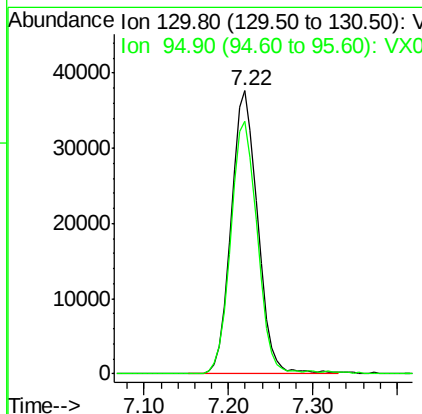
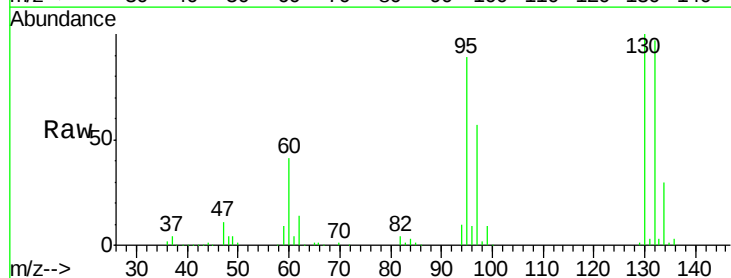
apatel
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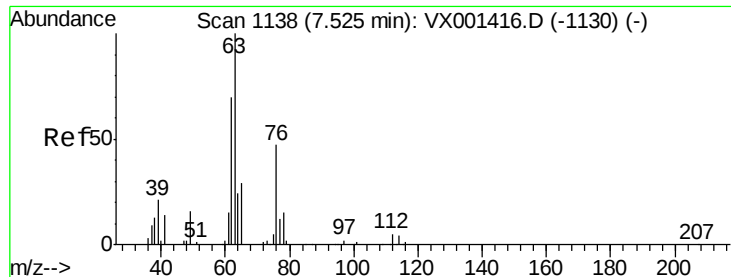


#44

Trichloroethene
 Concen: 21.197 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	178.4





#45

1,2-Dichloropropane

Concen: 21.063 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 63 Resp: 65131

Ion Ratio Lower Upper

63 100

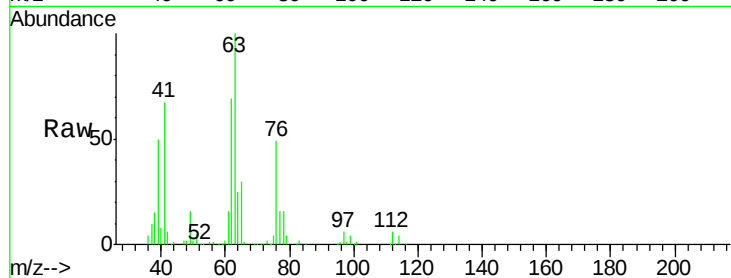
65 30.0 24.5 36.7

Manual Integrations

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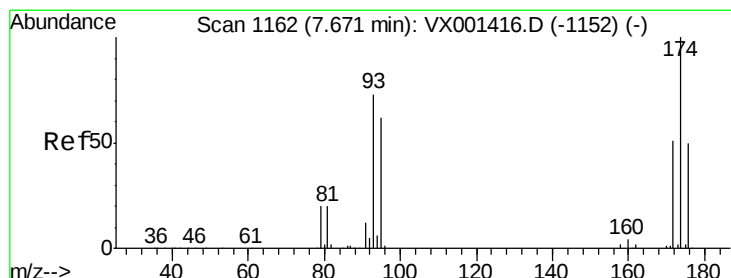
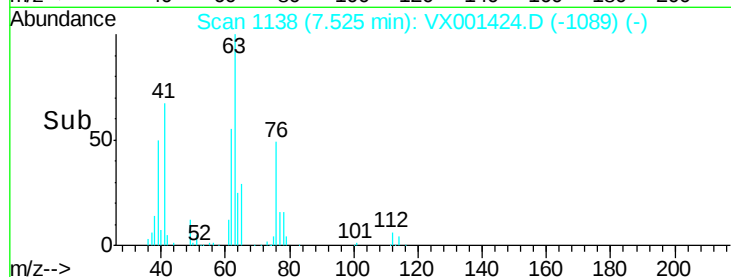
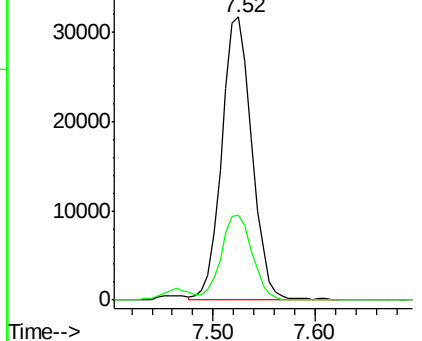
apatel

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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: 21.165 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

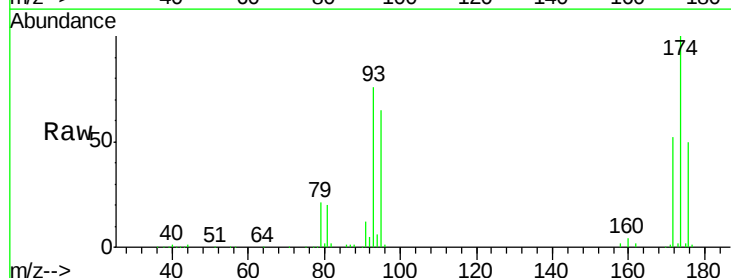
Tgt Ion: 93 Resp: 46332

Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.4

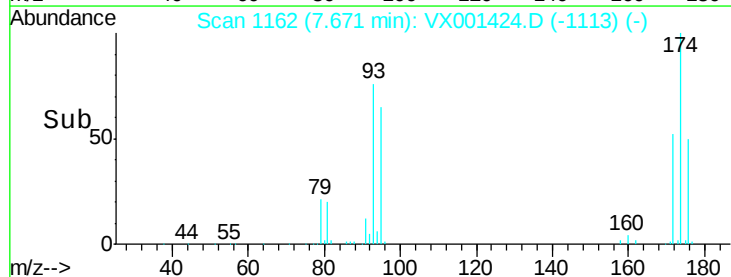
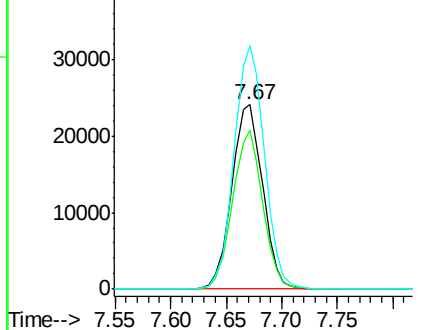
174 129.7 104.5 156.7

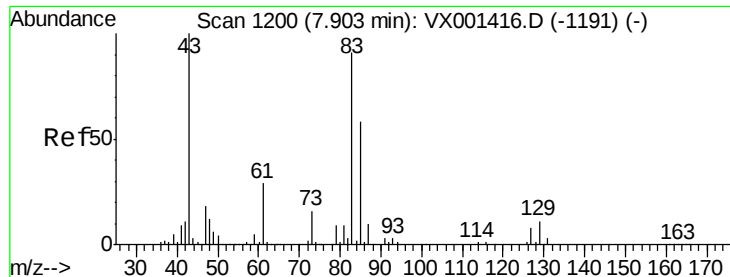


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.272 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

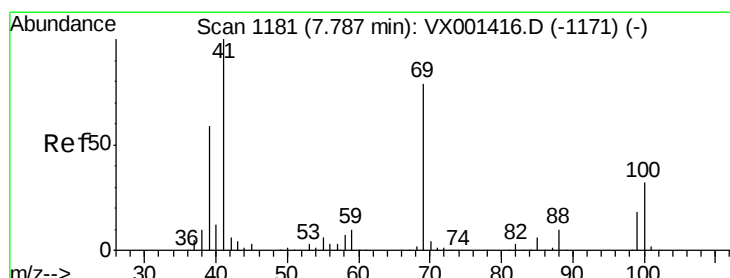
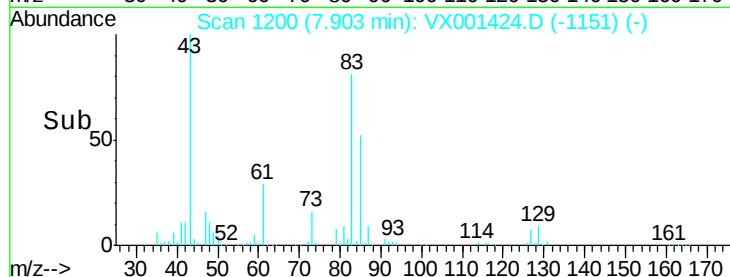
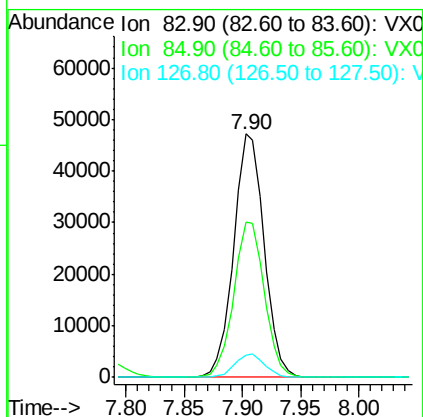
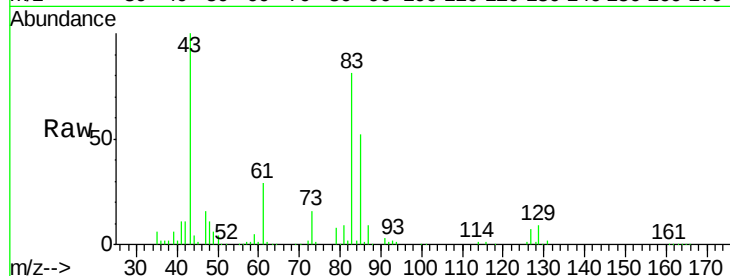
ClientSampleId :

VX0505WBSD01

Tot Ion:	83	Resp:	86180
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6
127	9.1	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.969 ug/l

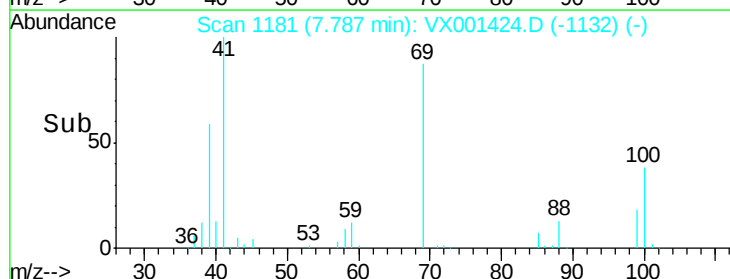
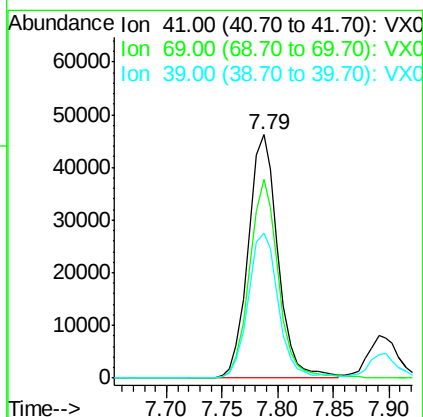
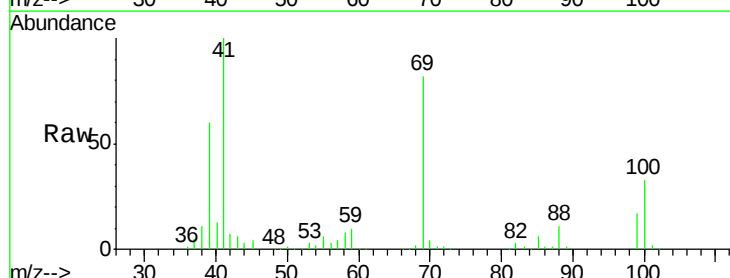
RT: 7.79 min Scan# 1181

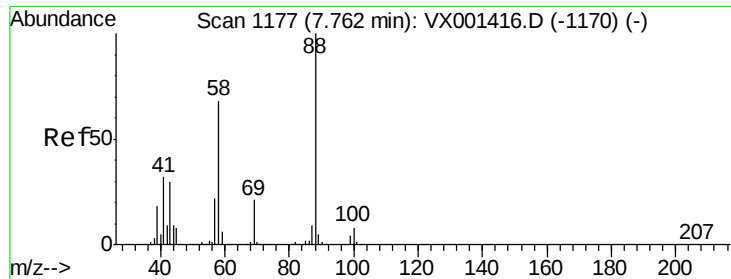
Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Tgt Ion:	41	Resp:	85483
Ion	Ratio	Lower	Upper
41	100		
69	80.0	63.4	95.2
39	60.8	47.0	70.4





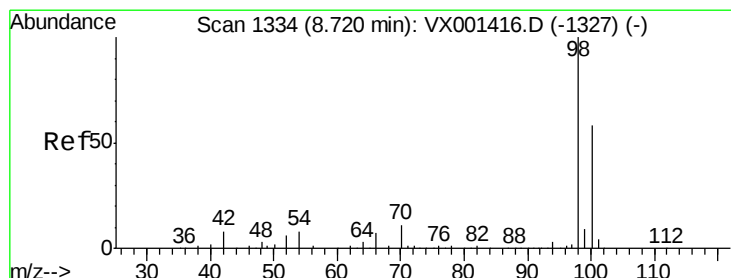
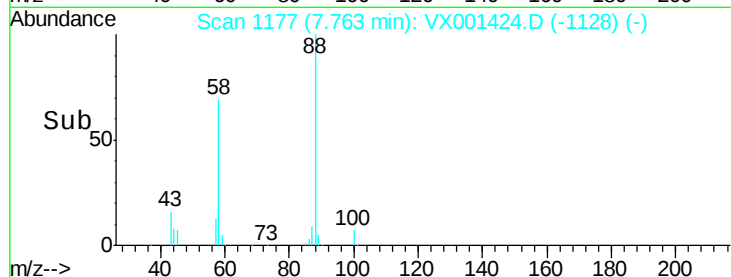
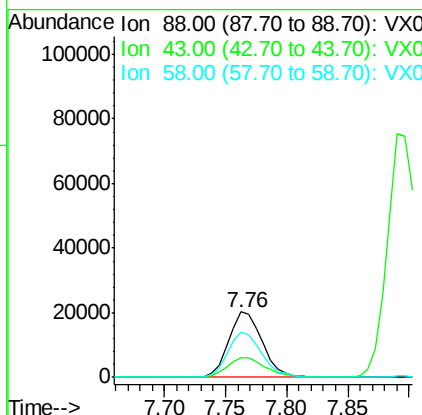
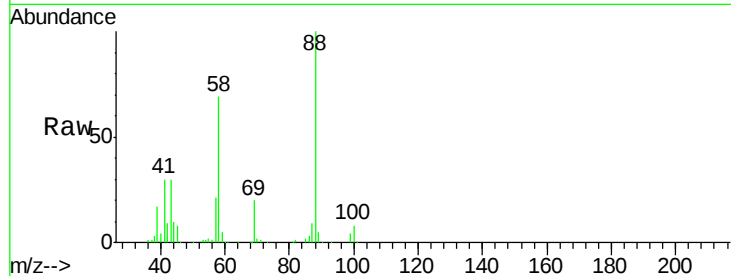
#49
1,4-Dioxane
Concen: 455.753 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.4	39.6
58	70.1	54.1	81.1

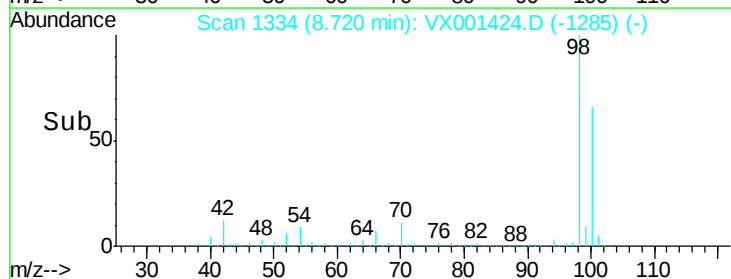
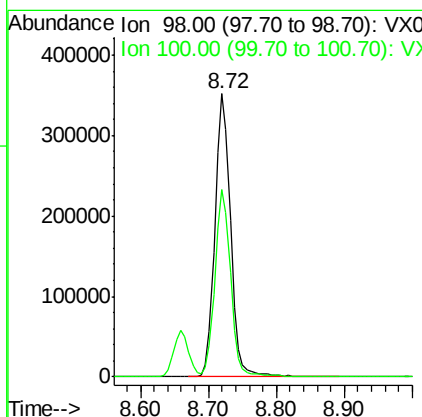
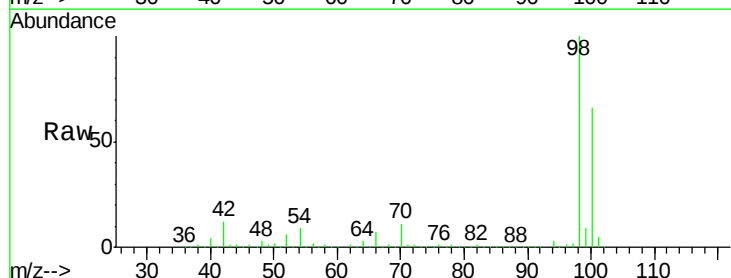
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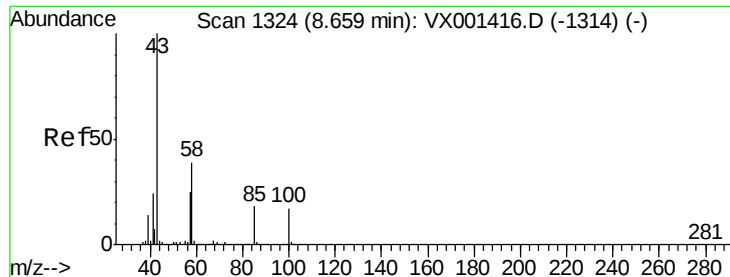
apatel
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#50
Toluene-d8
Concen: 52.036 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 116.376 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 43 Resp: 552616

Ion Ratio Lower Upper

43 100

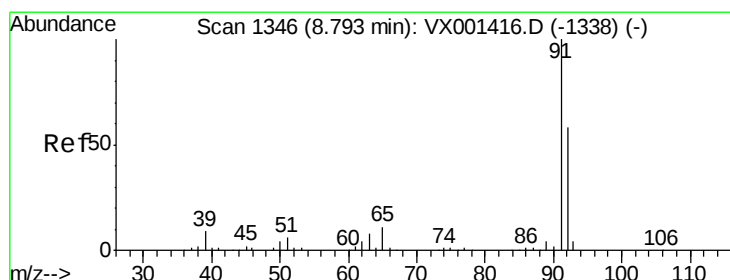
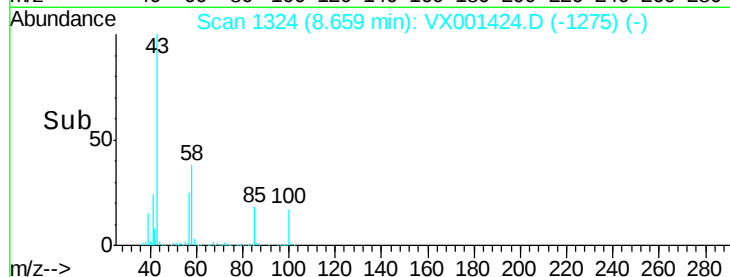
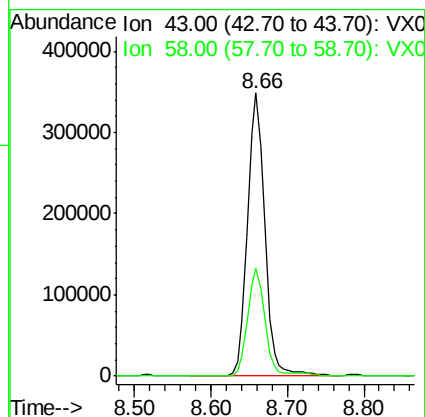
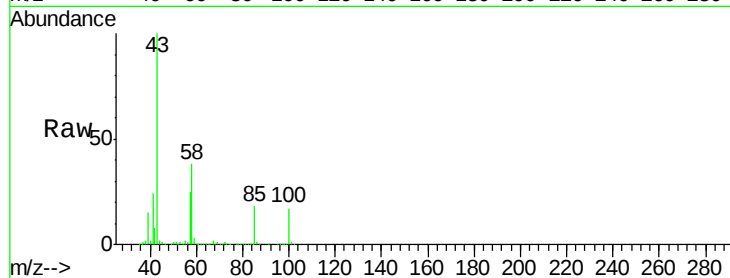
58 37.2 30.8 46.2

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#52

Toluene

Concen: 21.146 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001424.D

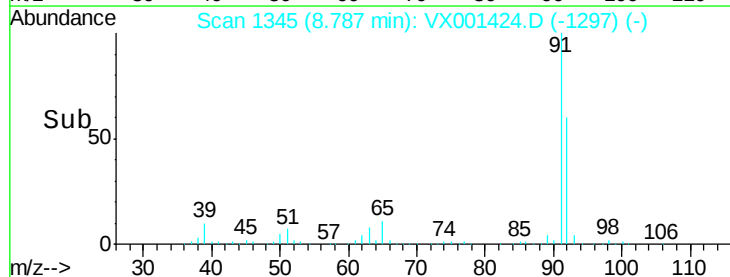
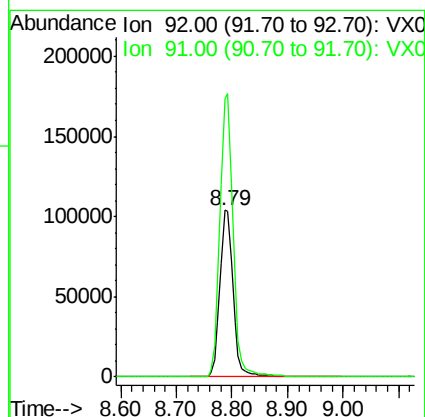
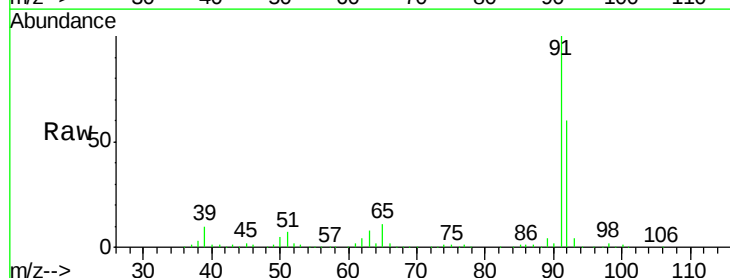
Acq: 05 May 2018 17:54

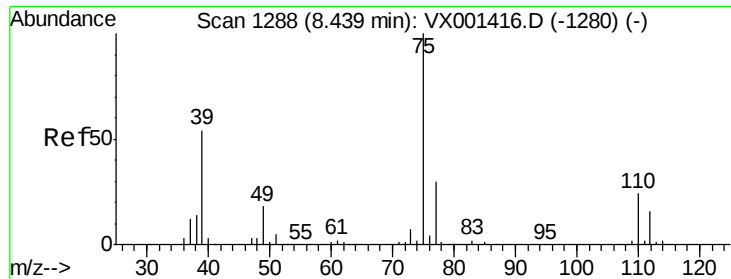
Tgt Ion: 92 Resp: 171501

Ion Ratio Lower Upper

92 100

91 169.8 135.2 202.8





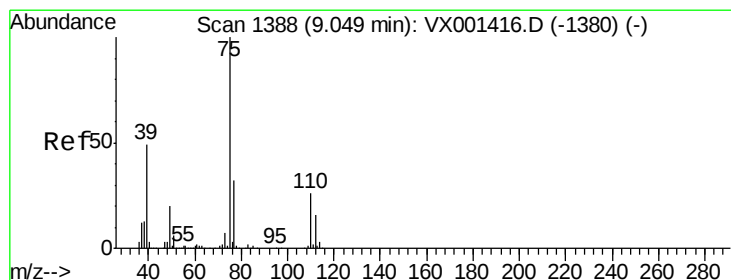
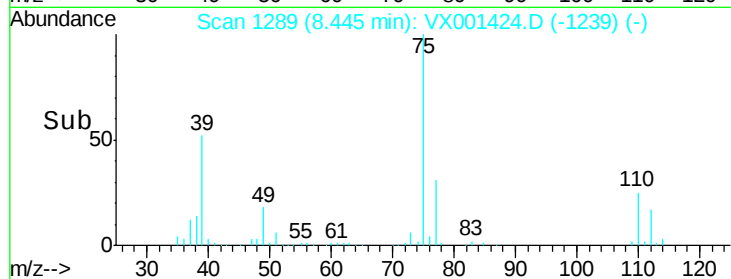
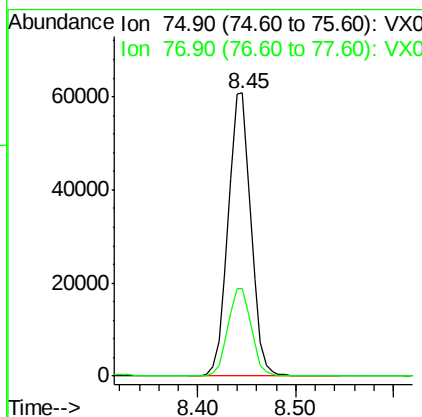
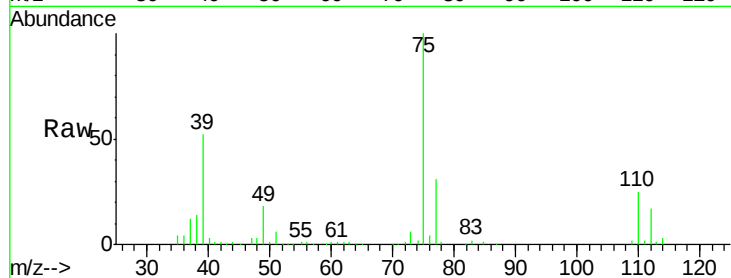
#53
t-1,3-Dichloropropene
Concen: 21.448 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.2	36.4

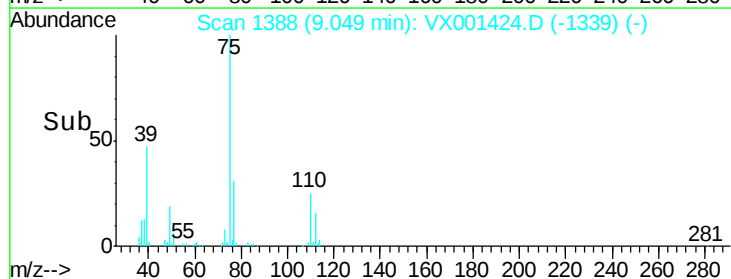
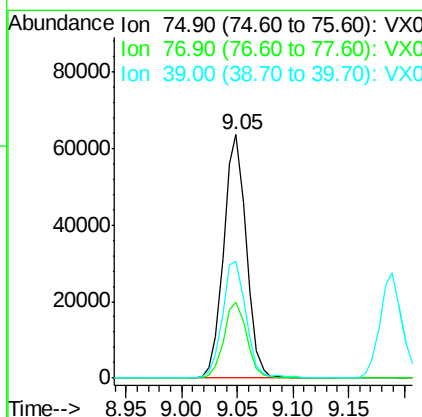
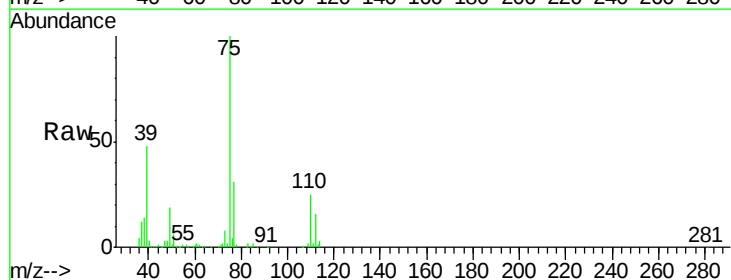
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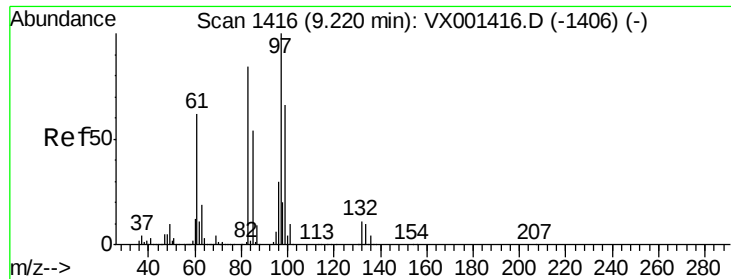
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.280 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	47.9	38.9	58.3





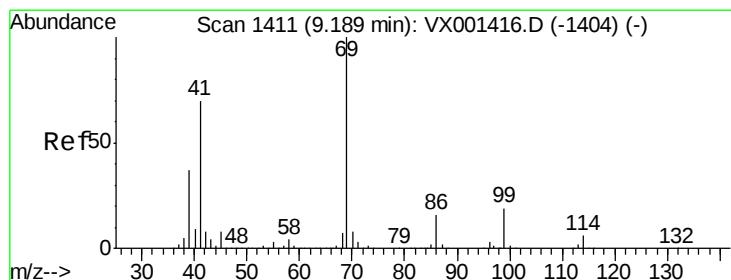
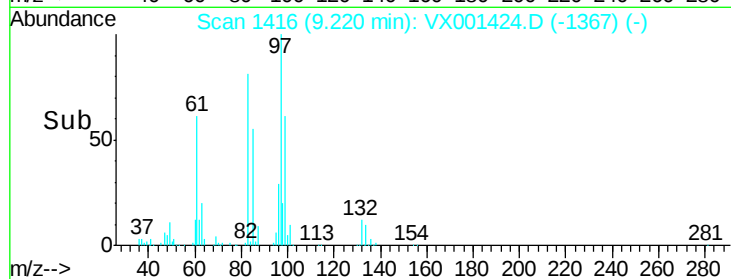
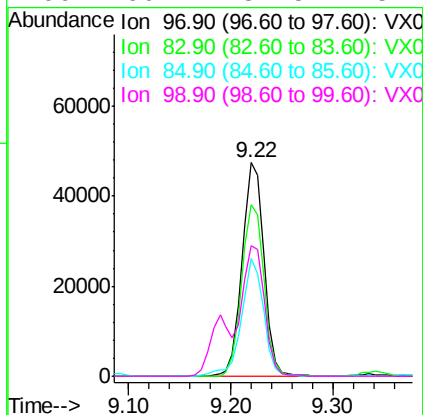
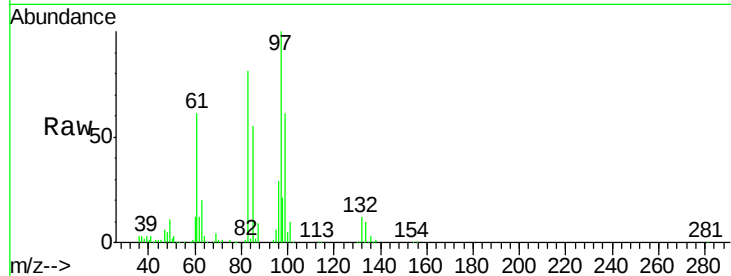
#55
 1,1,2-Trichloroethane
 Concen: 21.475 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBSD01

Tot Ion	97	Resp	70167
Ion	Ratio	Lower	Upper
97	100		
83	80.5	67.4	101.0
85	54.9	43.3	64.9
99	60.7	52.5	78.7

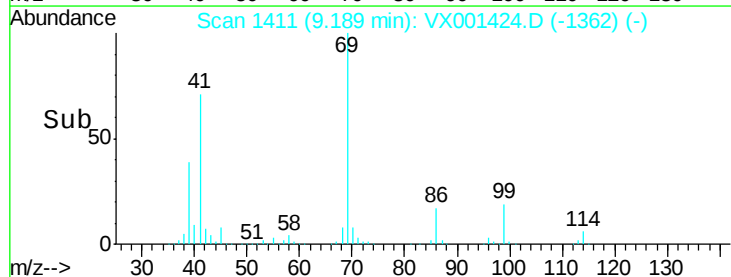
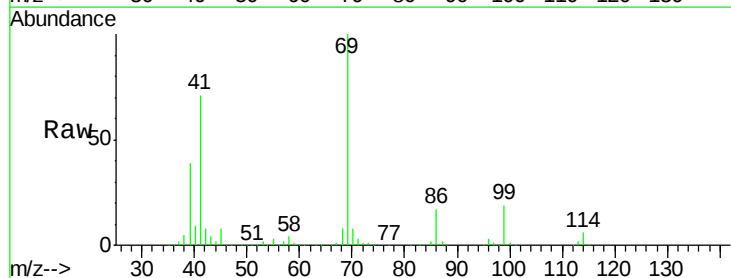
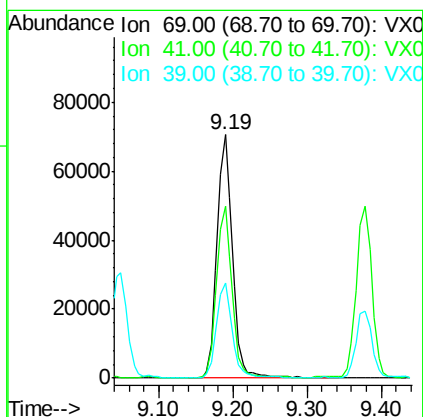
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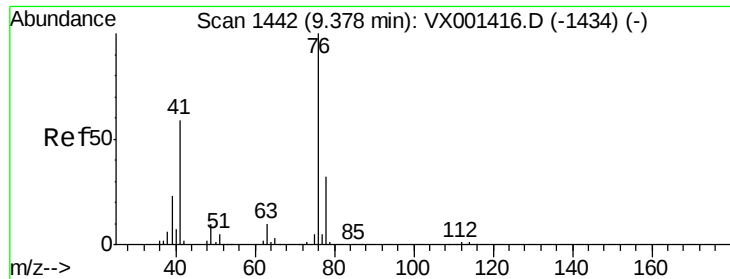
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#56
 Ethyl methacrylate
 Concen: 21.543 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Tgt Ion	69	Resp	101465
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.1	82.7
39	38.9	29.9	44.9





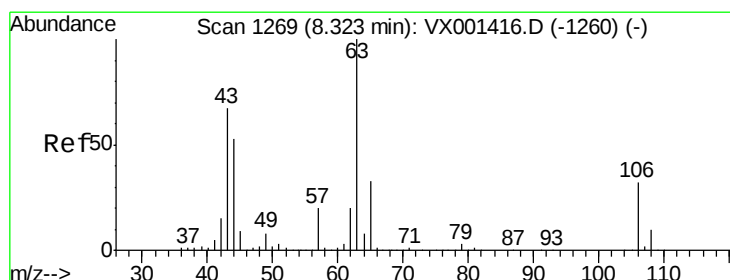
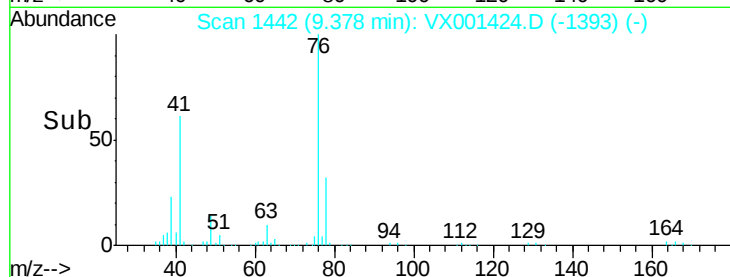
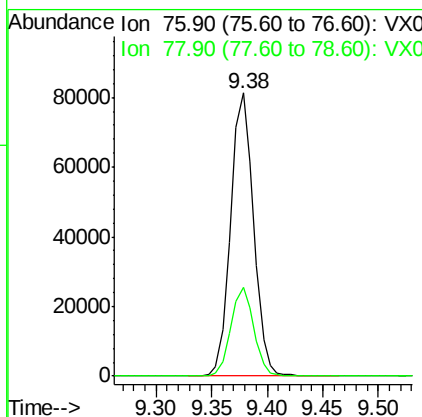
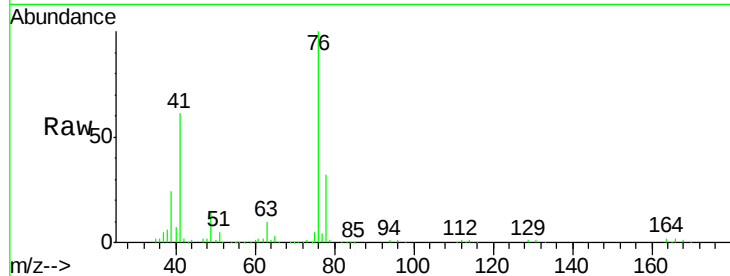
#57
 1,3-Dichloropropane
 Concen: 21.463 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.6

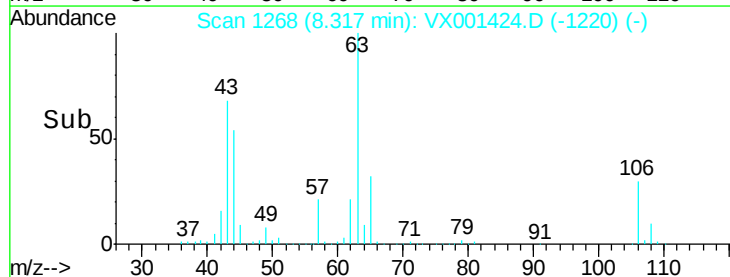
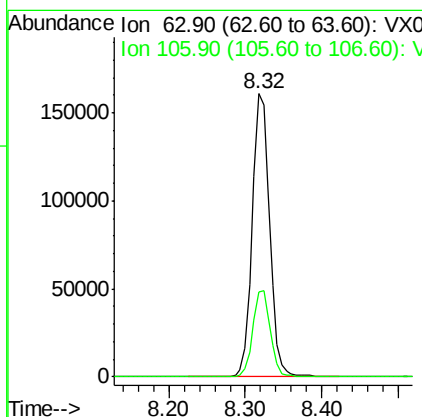
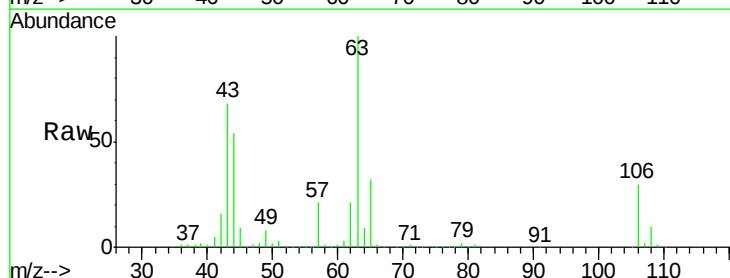
Manual Integrations
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apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 110.915 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	25.4	38.0





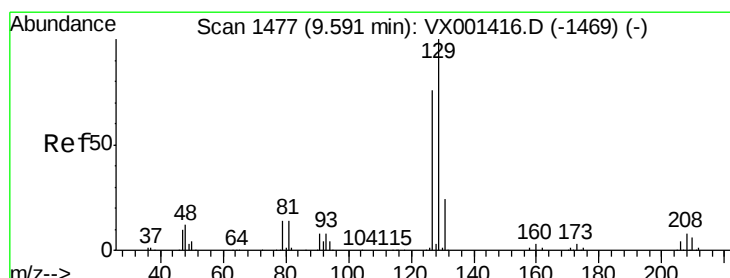
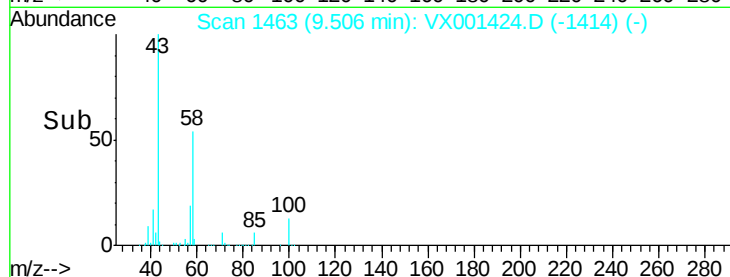
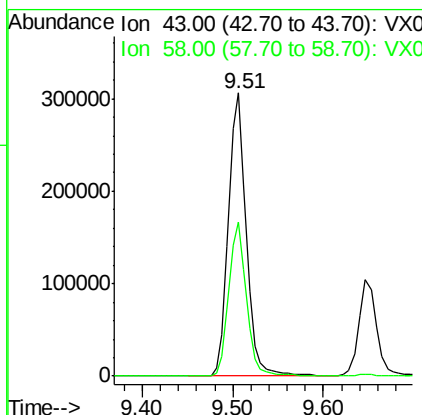
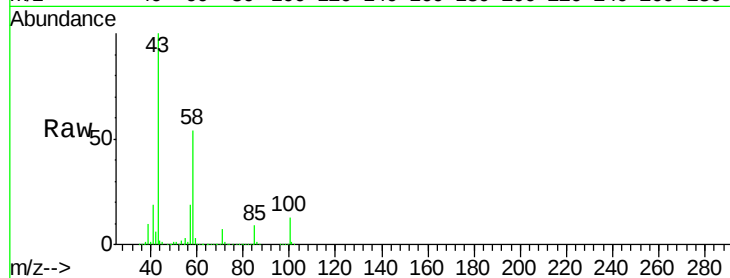
#59
2-Hexanone
Concen: 115.554 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.8	27.1	81.2

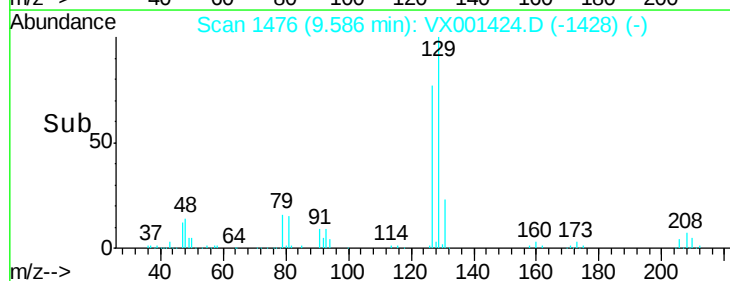
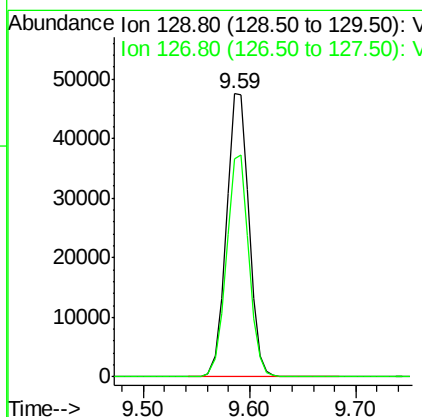
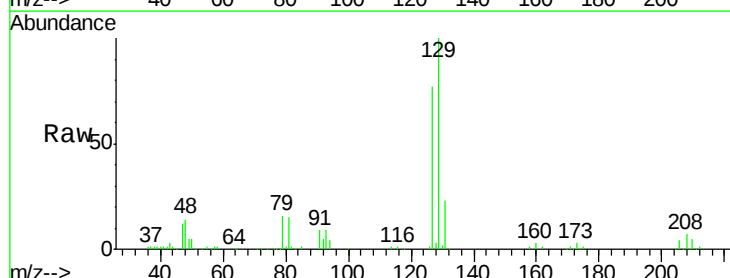
Manual Integrations
APPROVED

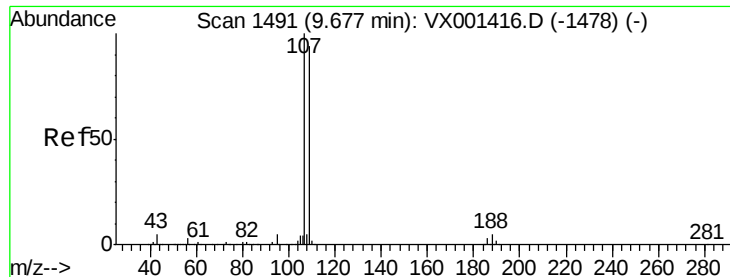
apatel
5/8/2018 7:53:59 AM



#60
Dibromochloromethane
Concen: 21.101 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.1	114.5





#61

1,2-Dibromoethane

Concen: 21.706 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion:107 Resp: 74465

Ion Ratio Lower Upper

107 100

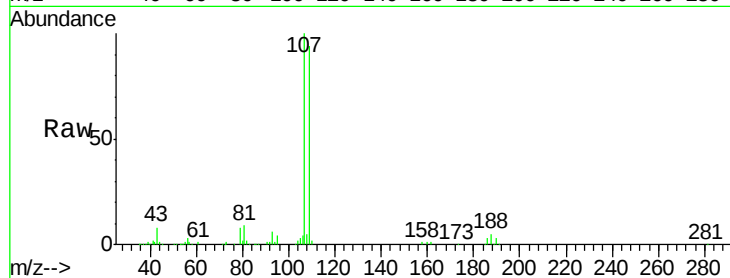
109 94.9 75.5 113.3

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

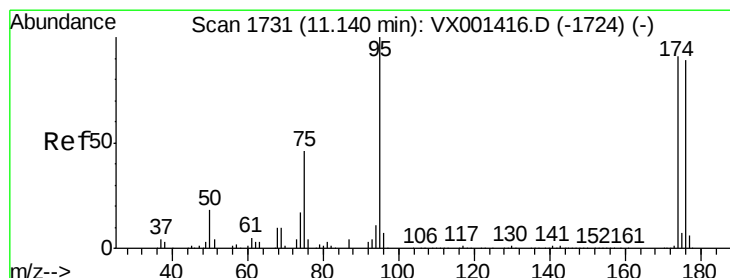
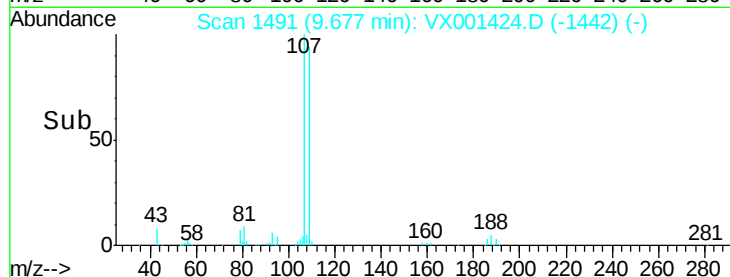
20000

10000

0

9.55 9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 50.559 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

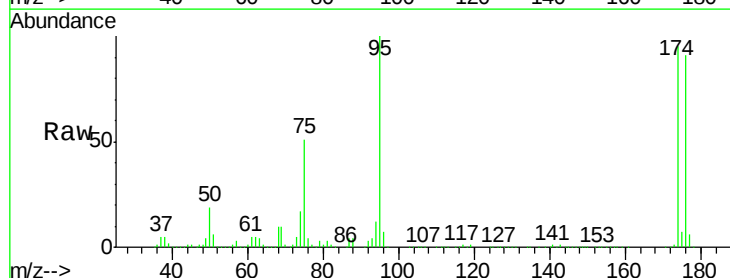
Tgt Ion: 95 Resp: 210367

Ion Ratio Lower Upper

95 100

174 101.5 0.0 202.0

176 99.3 0.0 197.4



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

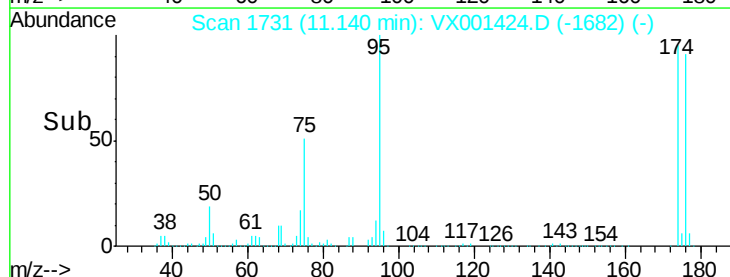
100000

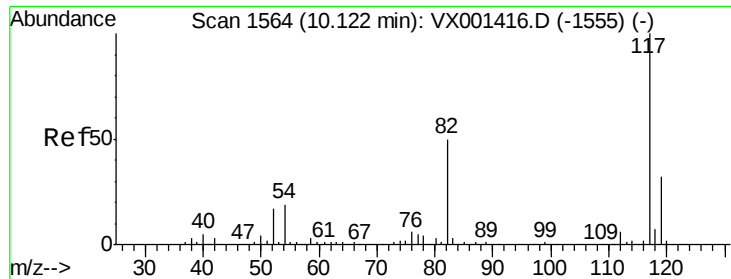
50000

0

11.10 11.20

Time-->





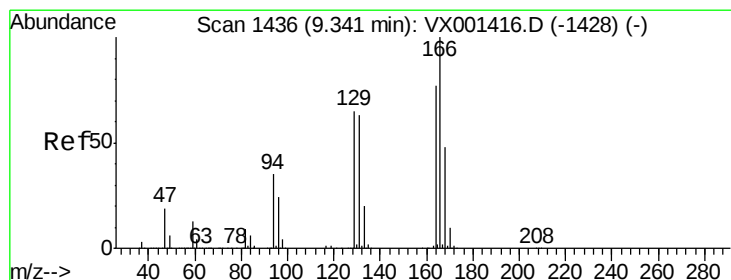
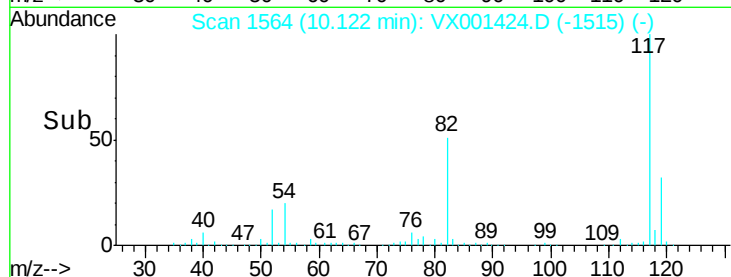
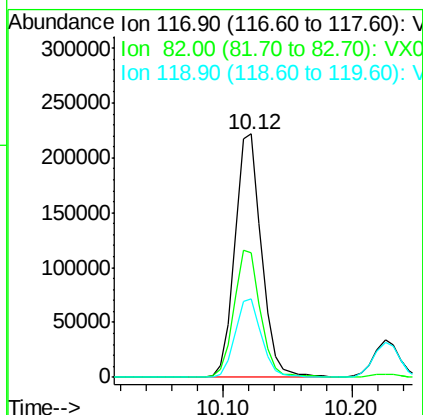
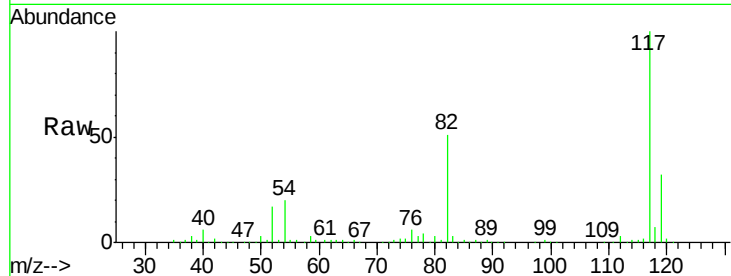
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	40.0	60.0
119	32.2	25.8	38.8

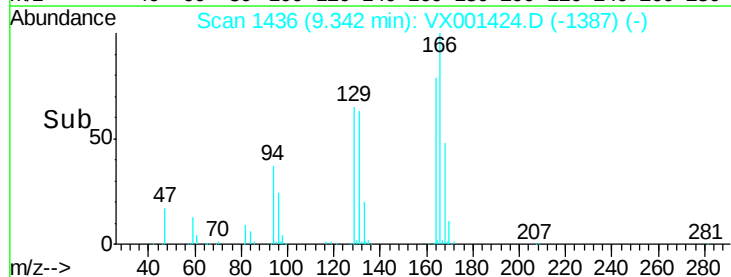
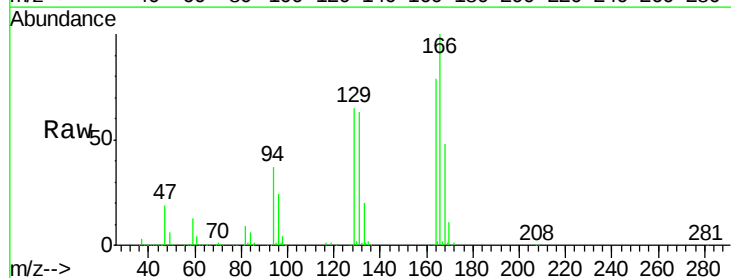
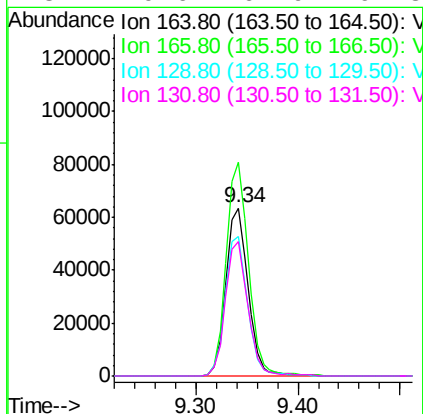
Manual Integrations
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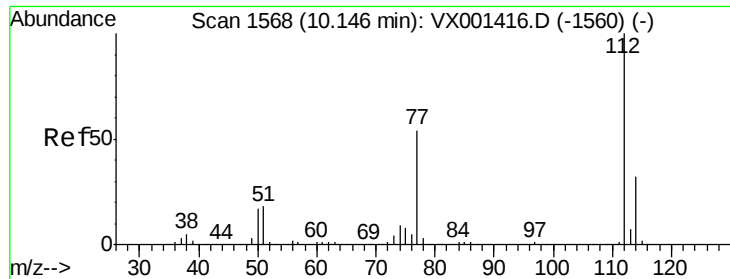
apatel
5/8/2018 7:53:59 AM



#64
Tetrachloroethene
Concen: 21.483 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	103.5	155.3
129	82.7	66.7	100.1
131	79.6	64.9	97.3





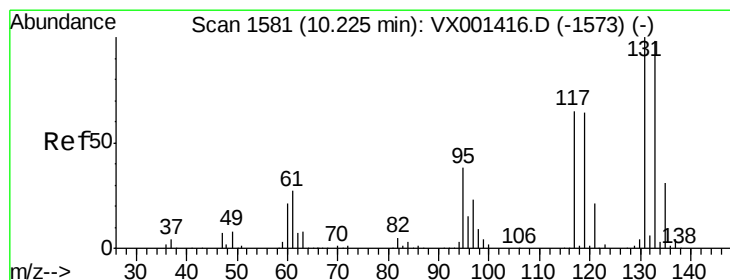
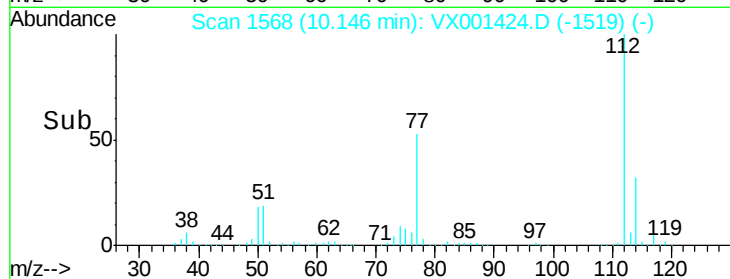
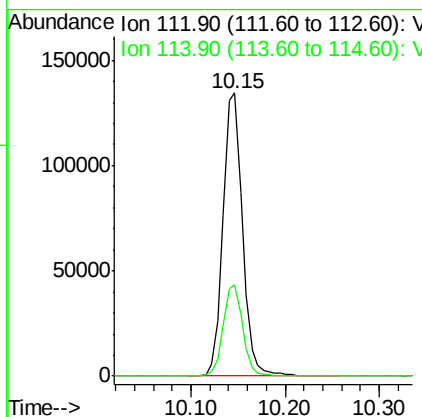
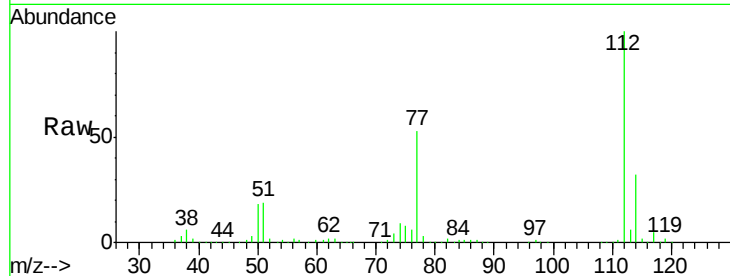
#65
Chlorobenzene
Concen: 20.667 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion:112 Resp: 193525
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0

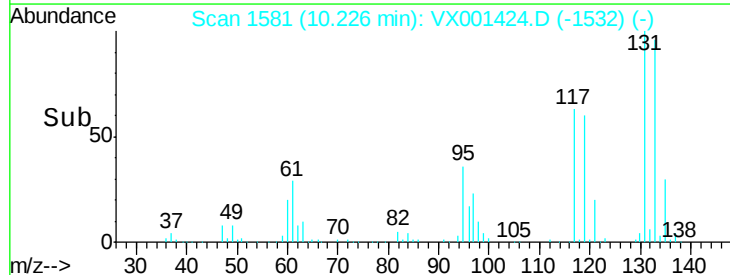
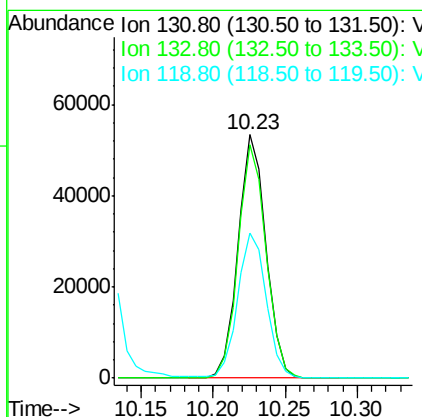
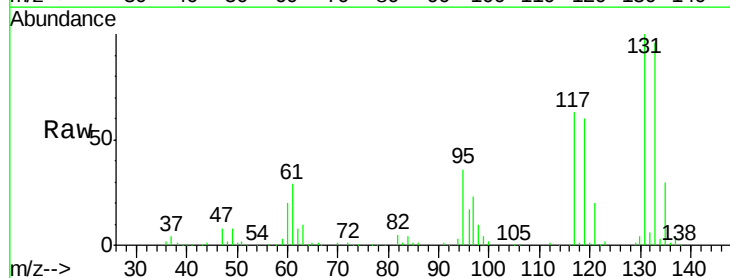
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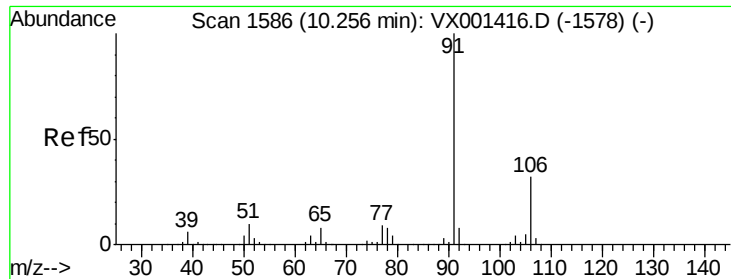
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.326 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion:131 Resp: 71430
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.8
119 61.7 31.1 93.3





#67

Ethyl Benzene

Concen: 20.739 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion: 91 Resp: 318301

Ion Ratio Lower Upper

91 100

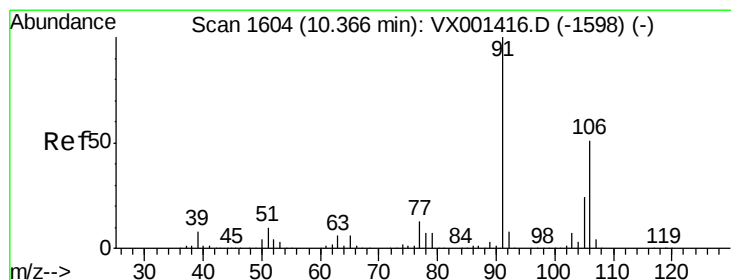
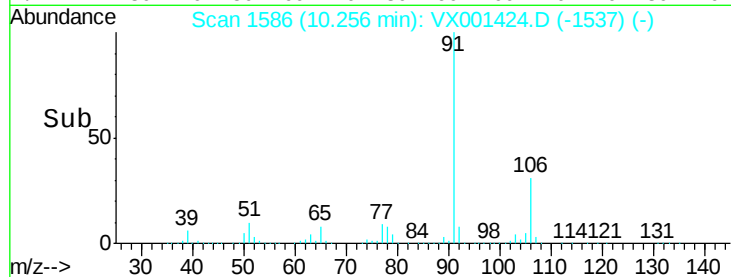
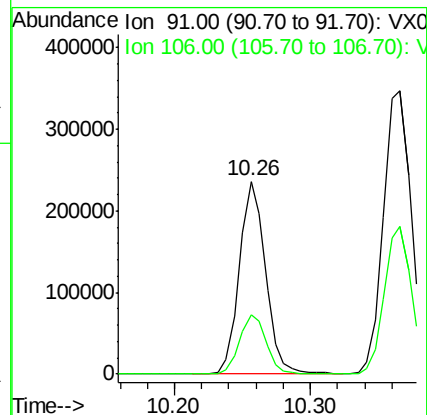
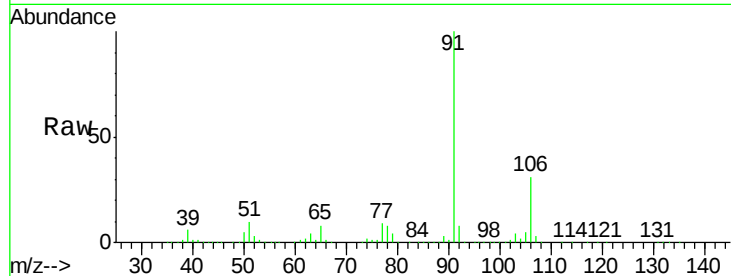
106 31.1 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.170 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001424.D

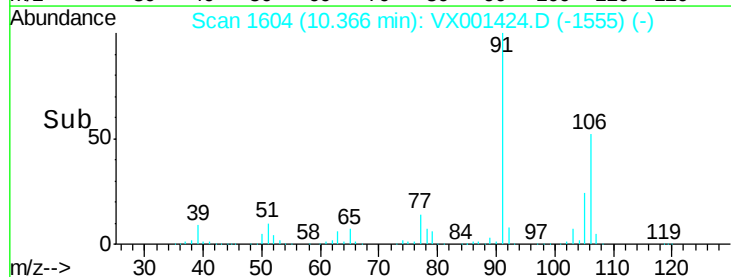
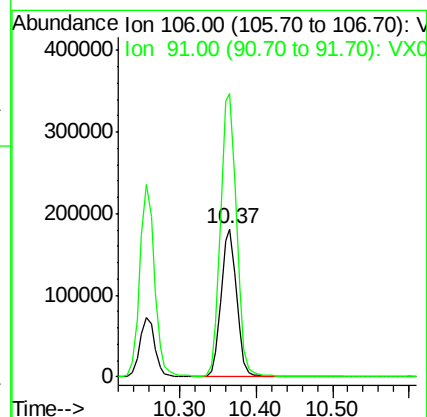
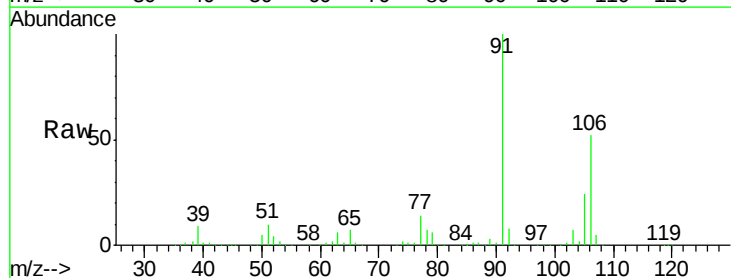
Acq: 05 May 2018 17:54

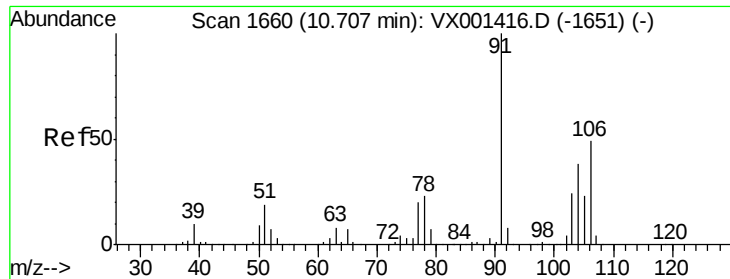
Tgt Ion: 106 Resp: 255735

Ion Ratio Lower Upper

106 100

91 197.0 157.5 236.3





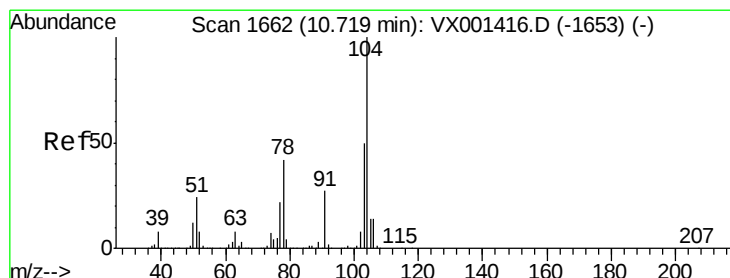
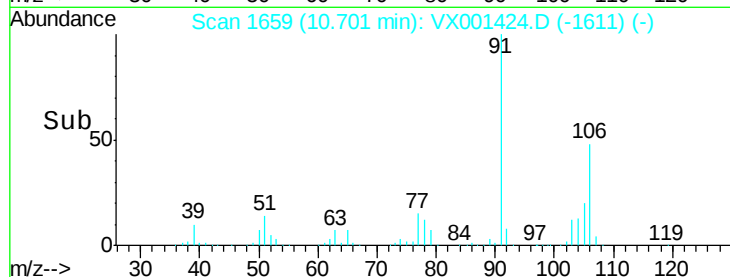
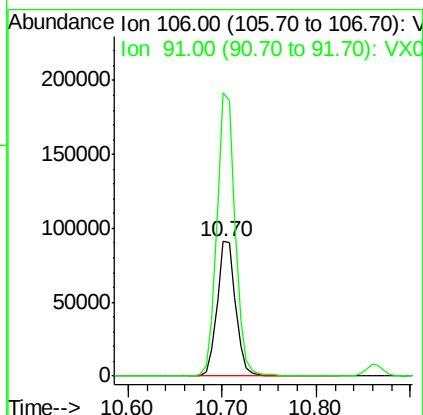
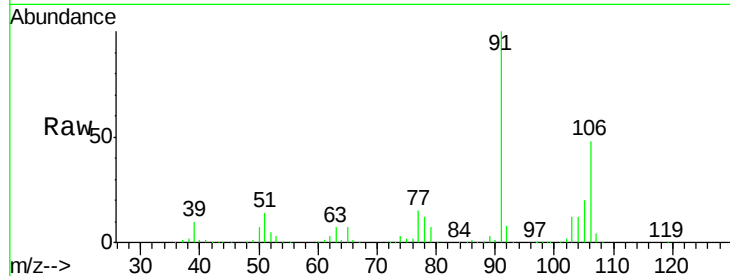
#69
o-Xylene
Concen: 21.018 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion:106 Resp: 123877
Ion Ratio Lower Upper
106 100
91 208.7 103.1 309.1

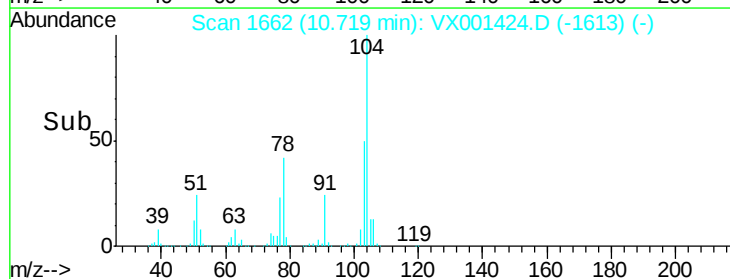
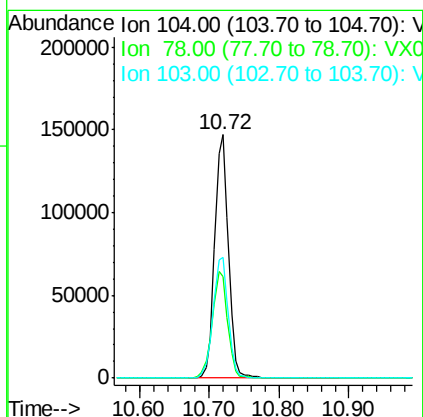
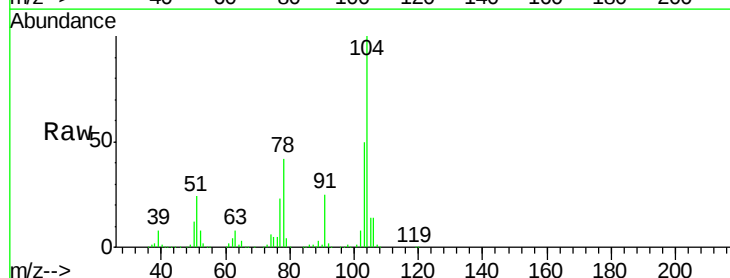
Manual Integrations
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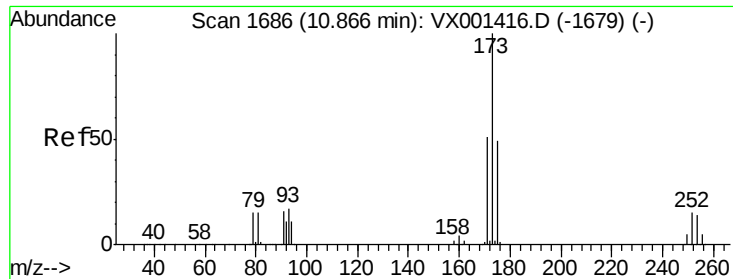
apatel
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#70
Styrene
Concen: 21.040 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion:104 Resp: 201456
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 54.9 44.0 66.0





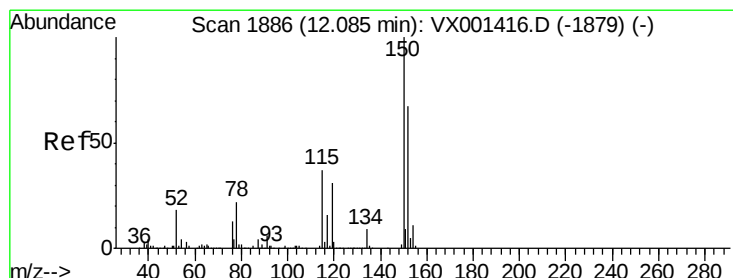
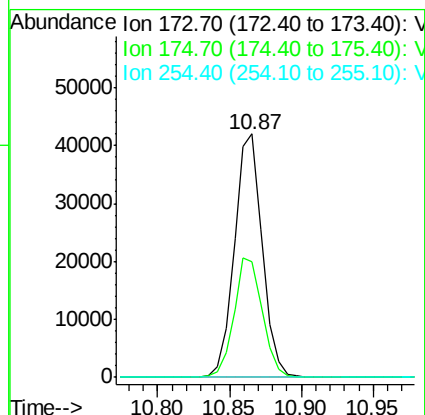
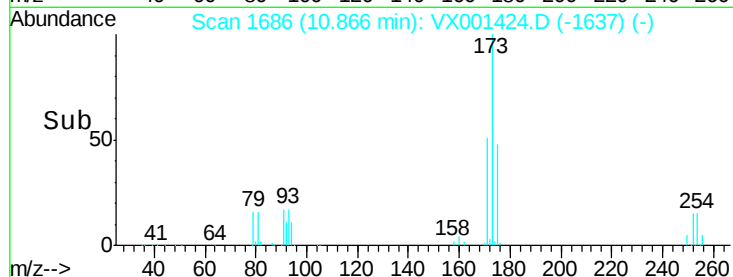
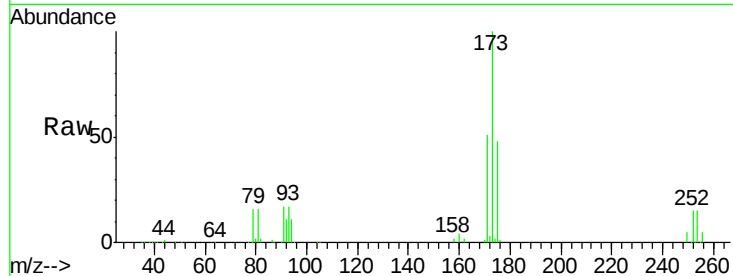
#71
Bromoform
Concen: 19.820 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.5	73.5
254	0.1	0.2	0.2

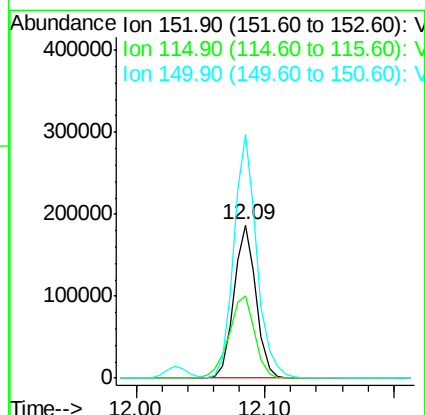
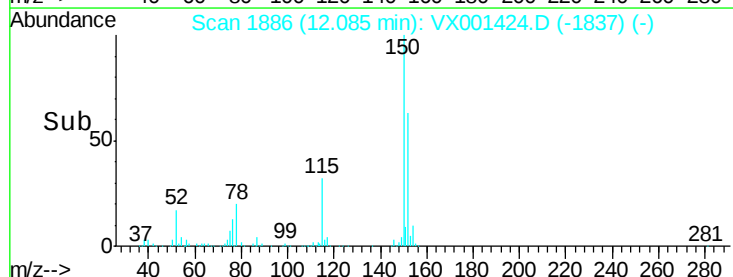
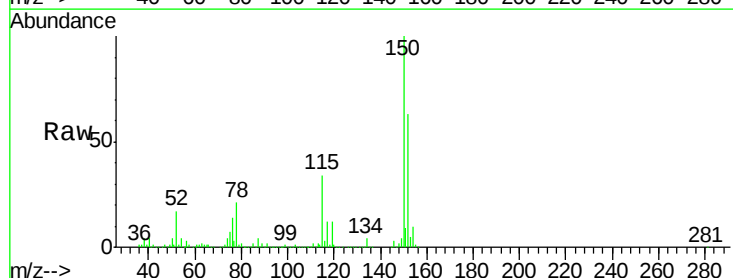
Manual Integrations
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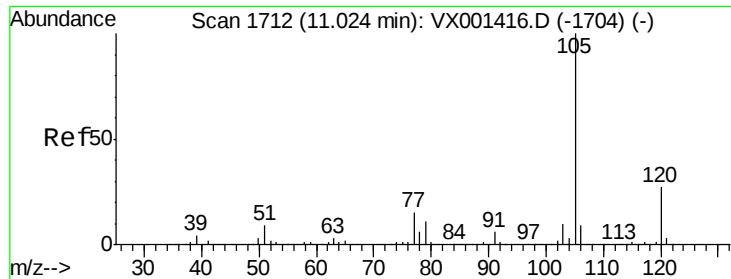
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	37.7	113.1
150	166.0	0.0	349.4





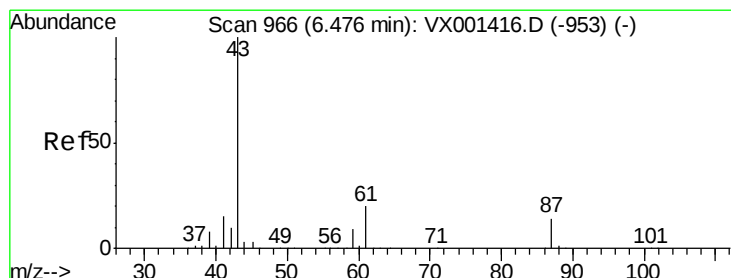
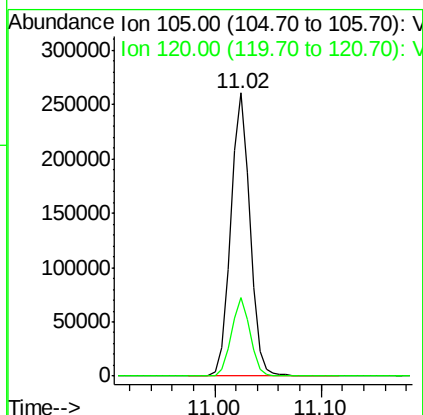
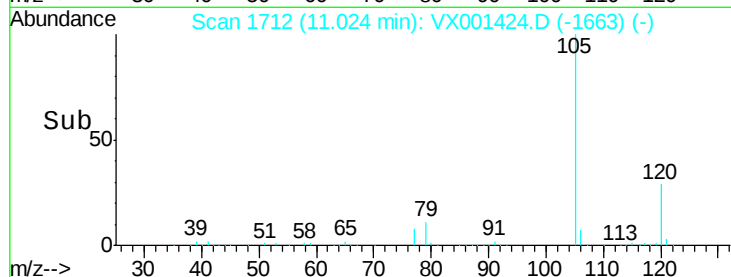
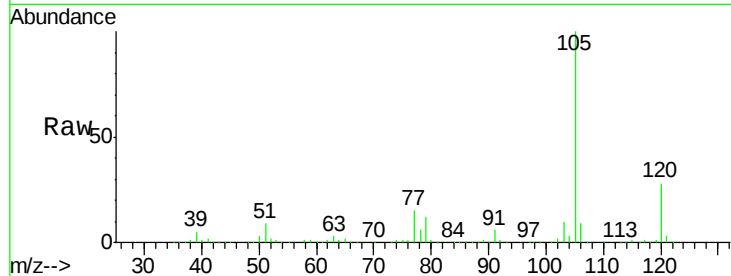
#73
Isopropylbenzene
Concen: 21.535 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.6	40.8

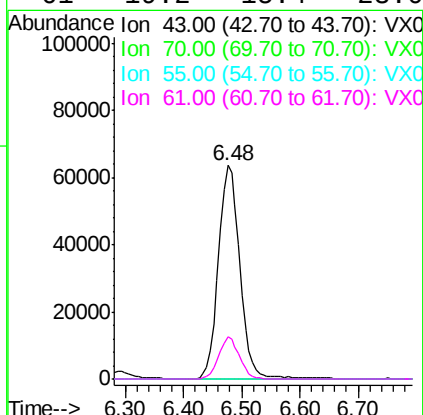
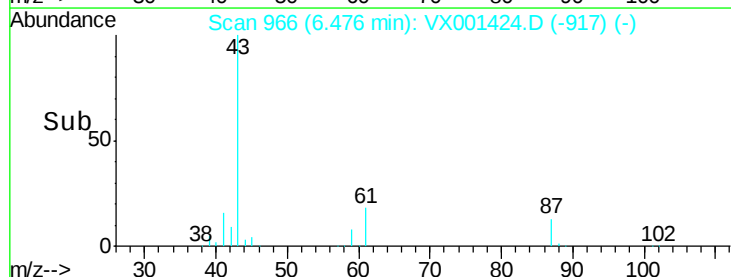
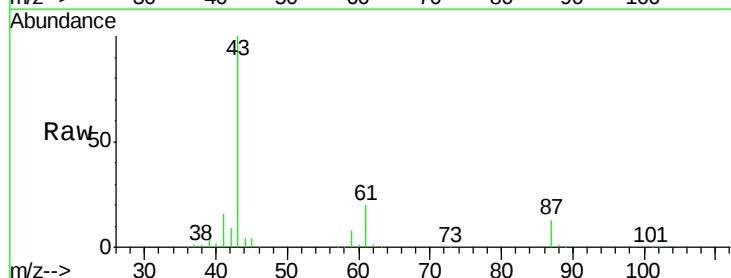
Manual Integrations
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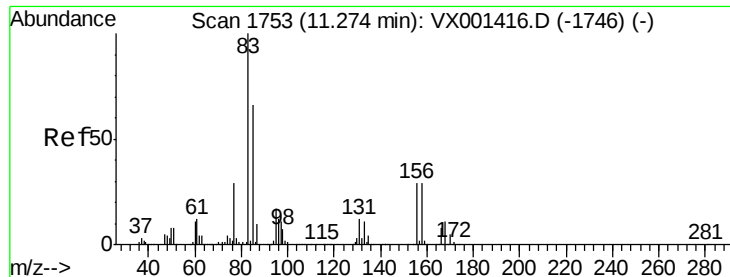
apatel
5/8/2018 7:53:59 AM



#74
N-ethyl acetate
Concen: 23.057 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.1	0.1
61	19.2	15.4	23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.241 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

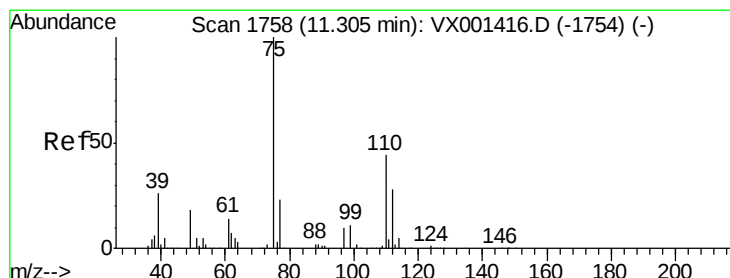
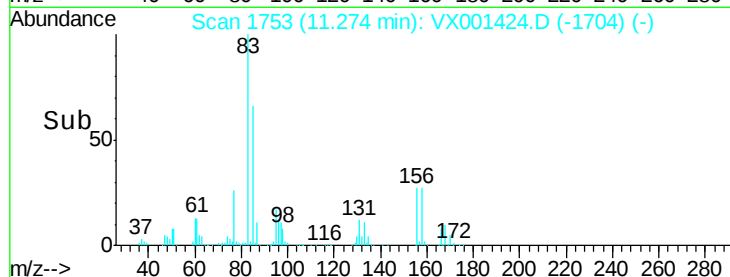
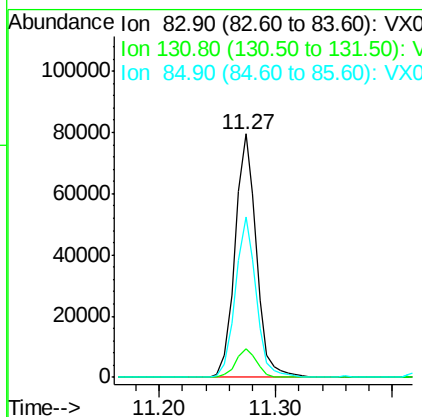
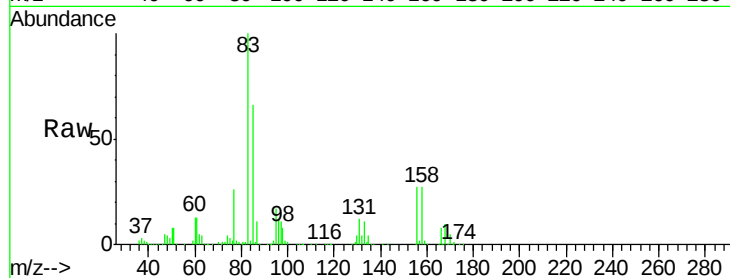
ClientSampled :

VX0505WBSD01

Tot Ion:	83	Resp:	101004
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	64.7	32.7	98.1

Manual Integrations
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apatel
5/8/2018 7:53:59 AM



#76

1,2,3-Trichloropropane

Concen: 22.462 ug/l m

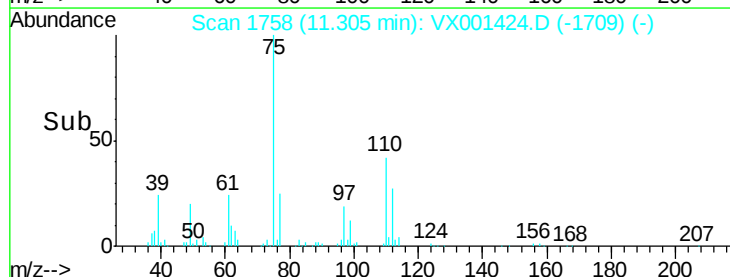
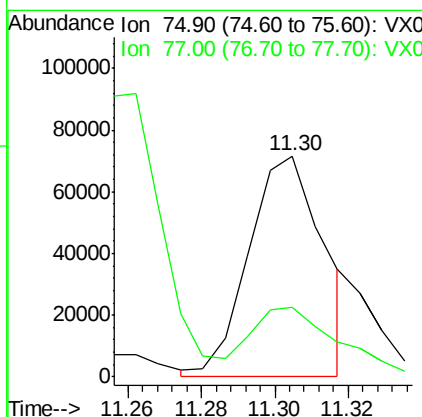
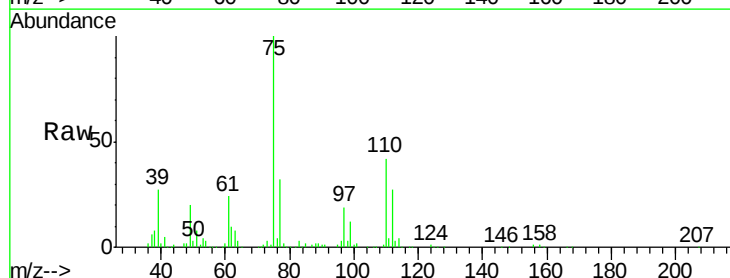
RT: 11.30 min Scan# 1758

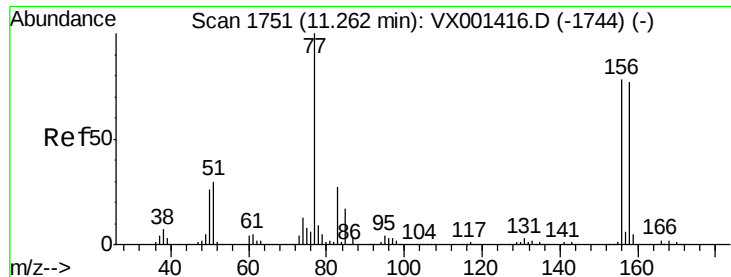
Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Tgt Ion:	75	Resp:	101188
Ion Ratio	Lower	Upper	
75	100		
77	36.7	19.6	58.7





#77

Bromobenzene

Concen: 21.169 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion:156 Resp: 94634

Ion Ratio Lower Upper

156 100

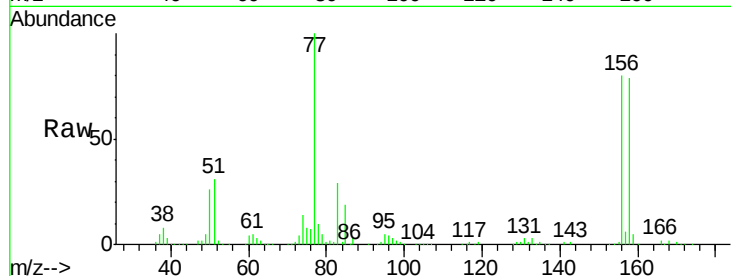
77 133.7 66.0 198.2

158 98.5 49.4 148.2

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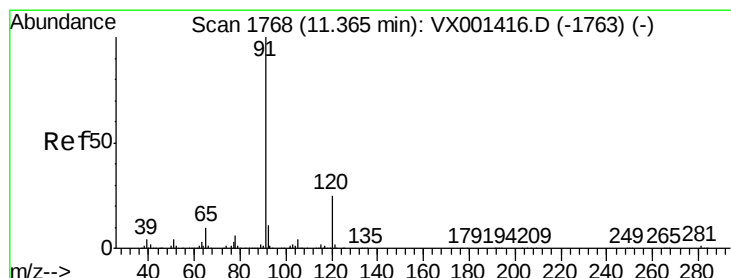
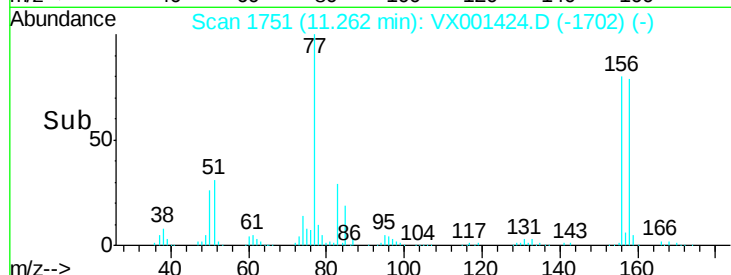
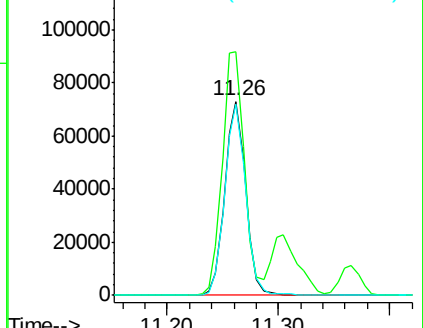
5/8/2018 7:53:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.747 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001424.D

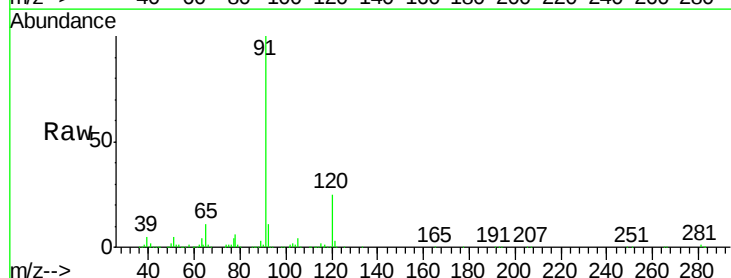
Acq: 05 May 2018 17:54

Tgt Ion: 91 Resp: 364126

Ion Ratio Lower Upper

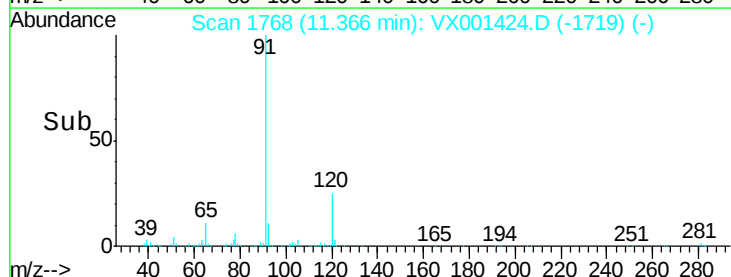
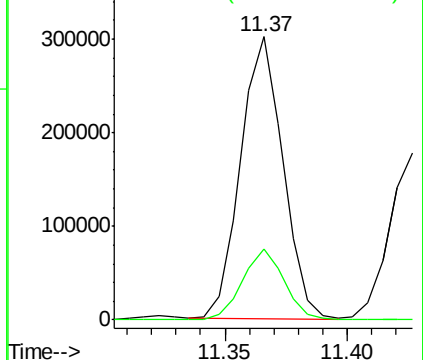
91 100

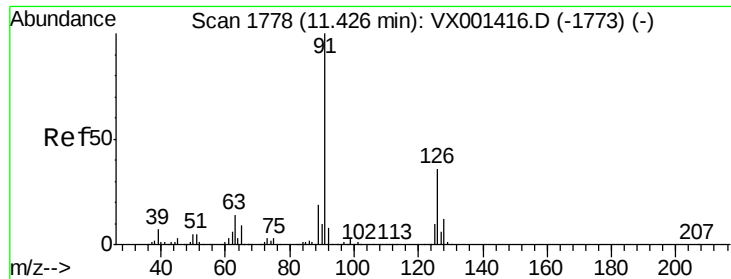
120 25.0 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.587 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampled :

VX0505WBSD01

Tot Ion: 91 Resp: 222427

Ion Ratio Lower Upper

91 100

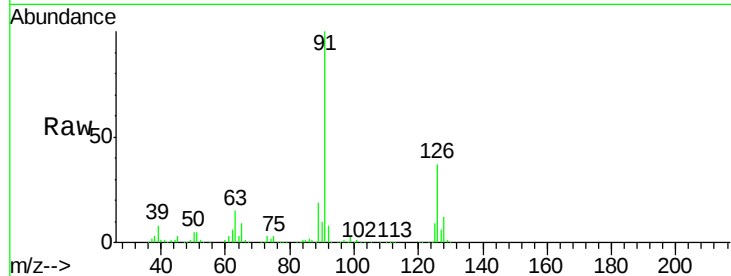
126 36.3 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001416.D (-1773) (-)

300000

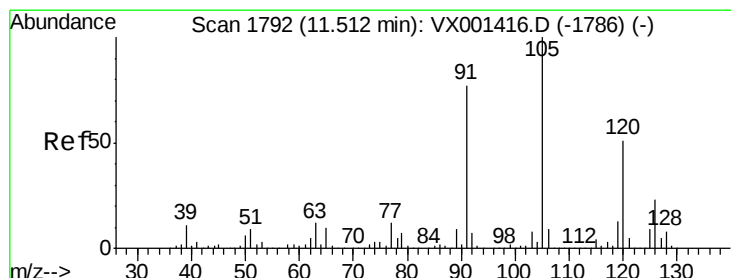
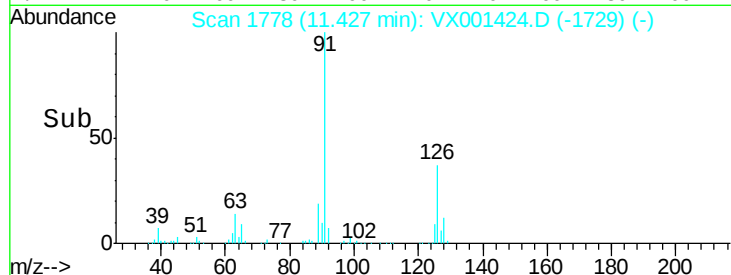
200000

100000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.841 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001424.D

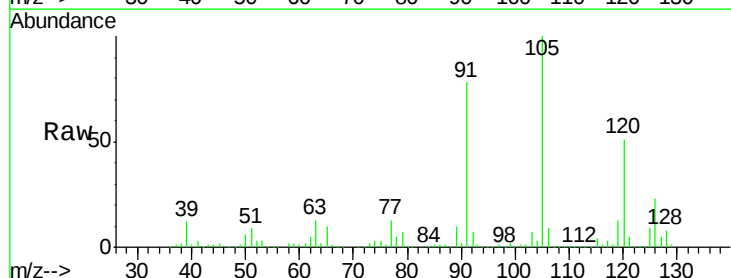
Acq: 05 May 2018 17:54

Tgt Ion: 105 Resp: 279612

Ion Ratio Lower Upper

105 100

120 51.3 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VX001416.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001416.D (-1786) (-)

250000

200000

150000

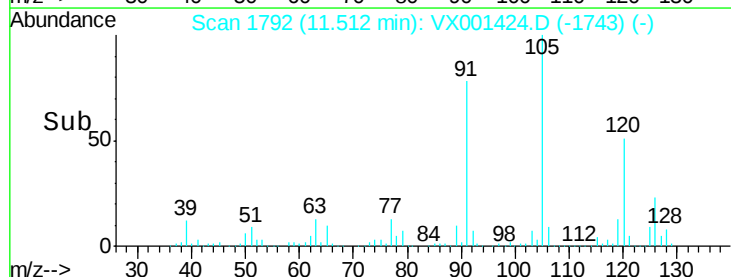
100000

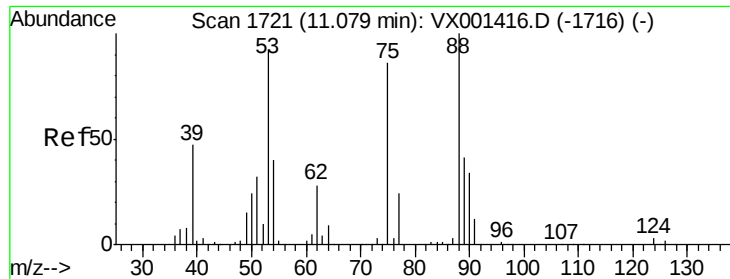
50000

0

11.50 11.60

Time-->





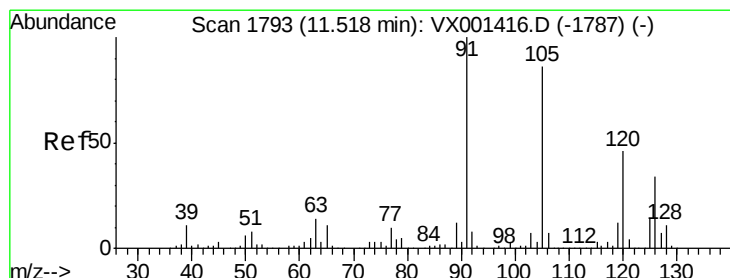
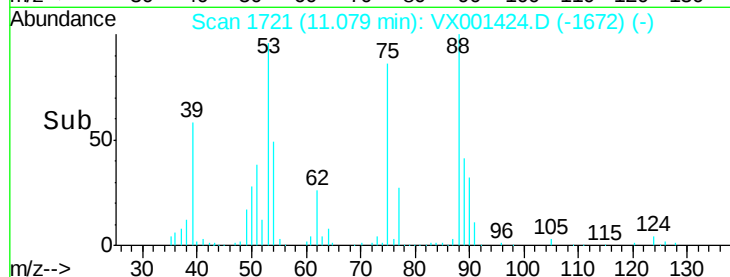
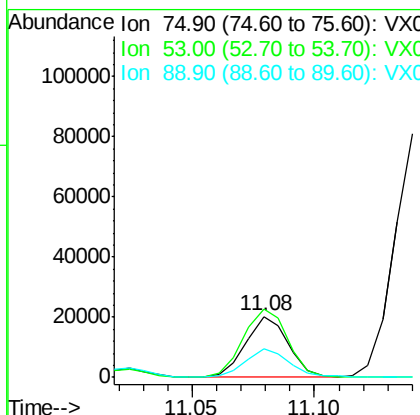
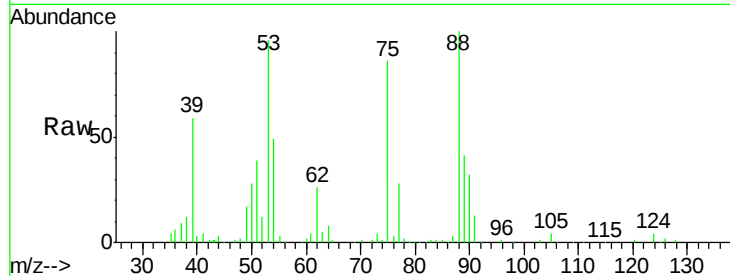
#81
trans-1,4-Dichloro-2-butene
Concen: 20.054 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.1	84.5	126.7
89	49.6	39.5	59.3

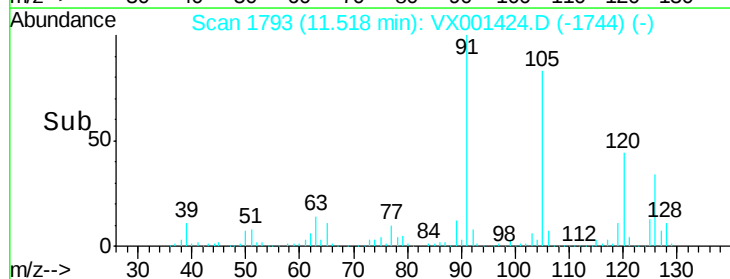
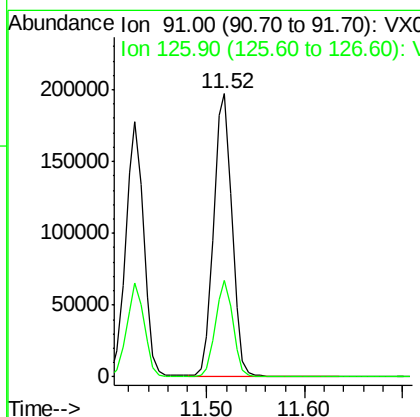
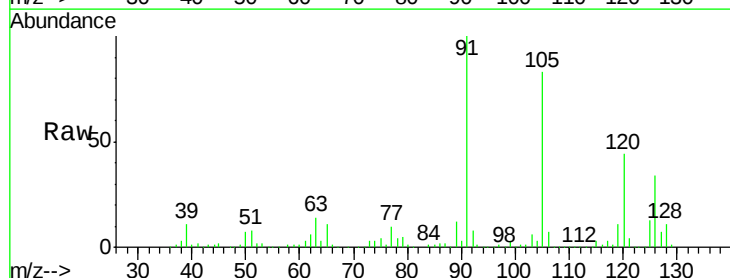
Manual Integrations
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#82
4-Chlorotoluene
Concen: 21.672 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.5





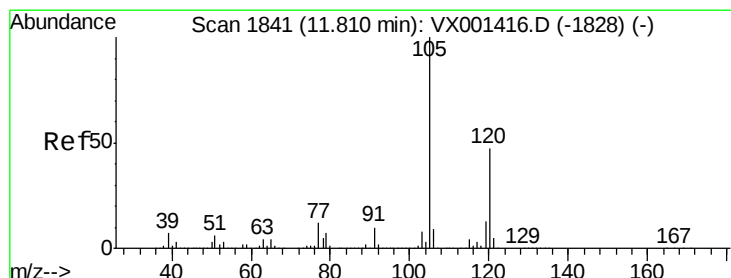
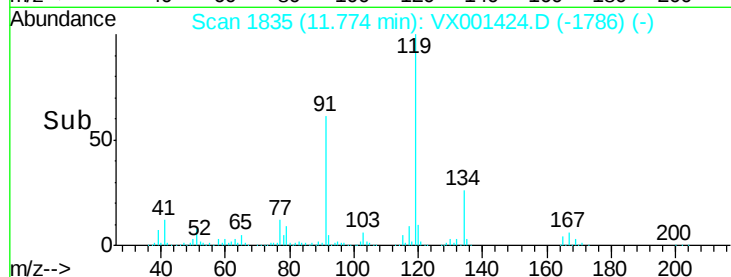
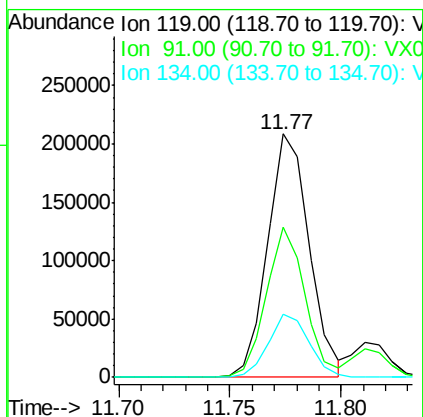
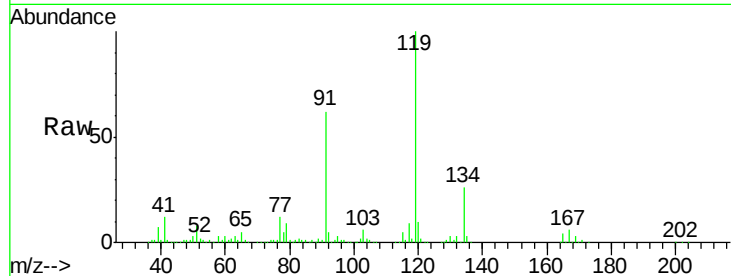
#83
tert-Butylbenzene
Concen: 21.197 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	27.8	83.3
134	25.4	12.4	37.0

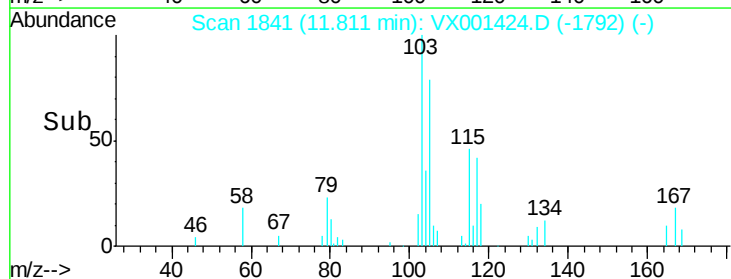
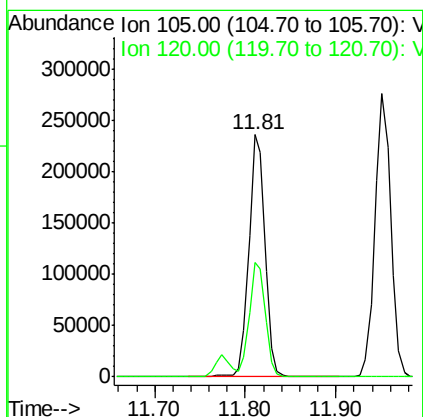
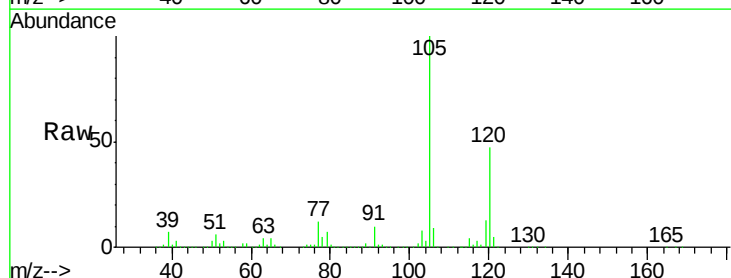
Manual Integrations
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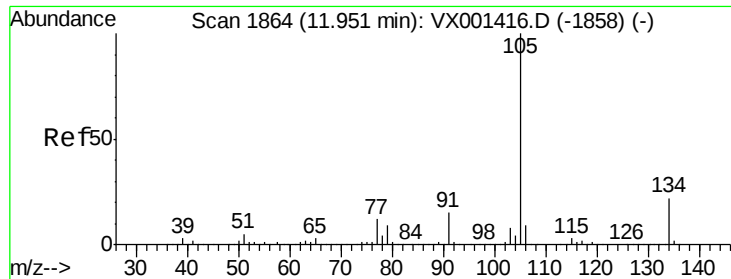
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#84
1,2,4-Trimethylbenzene
Concen: 22.071 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.2





#85

sec-Butylbenzene

Concen: 21.851 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBSD01

Tot Ion:105 Resp: 334095

Ion Ratio Lower Upper

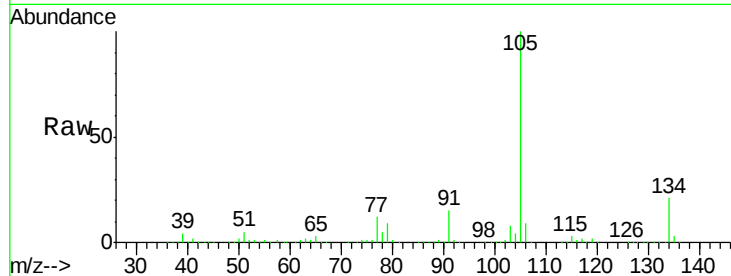
105 100

134 21.5 10.9 32.9

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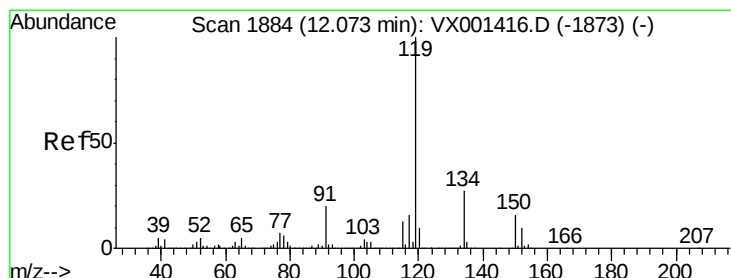
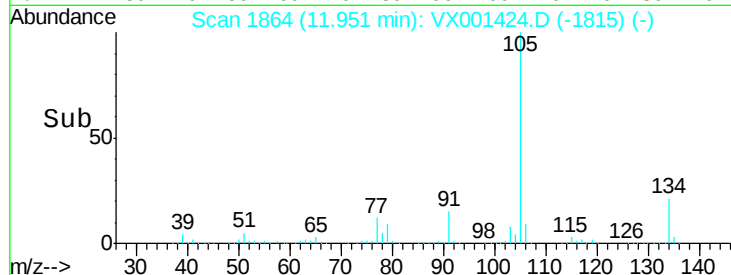
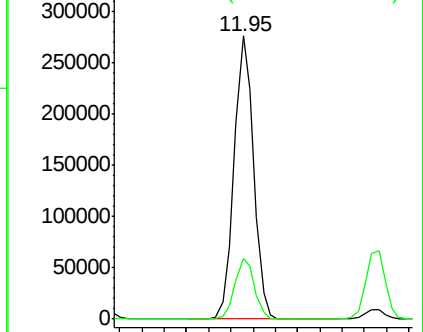
apatel

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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: 21.917 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001424.D

Acq: 05 May 2018 17:54

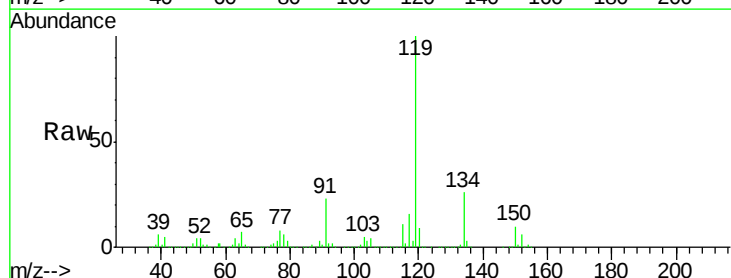
Tgt Ion:119 Resp: 307412

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

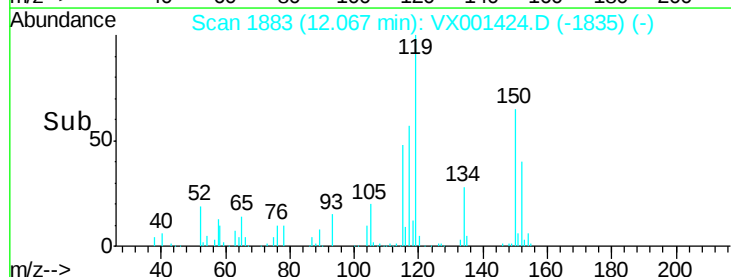
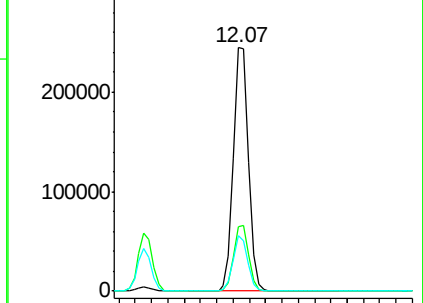
91 21.8 10.8 32.3

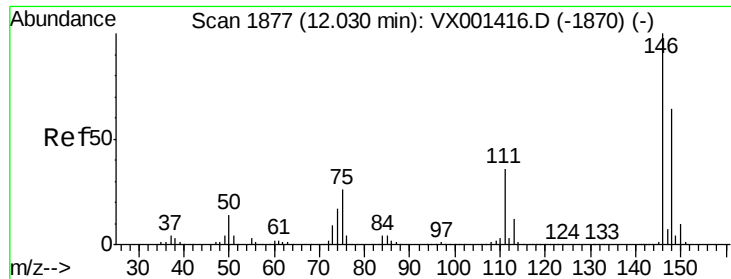


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





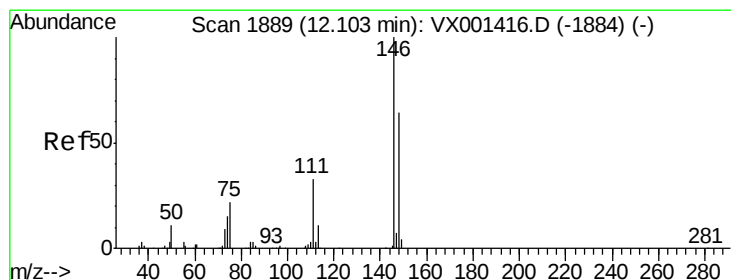
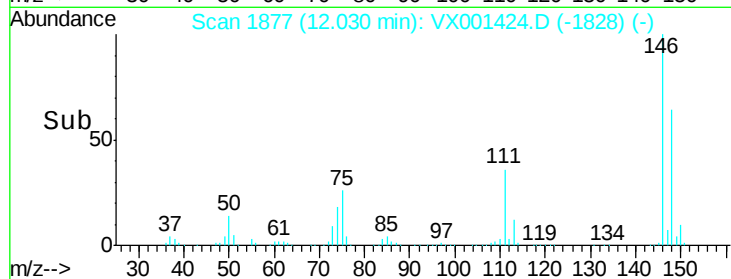
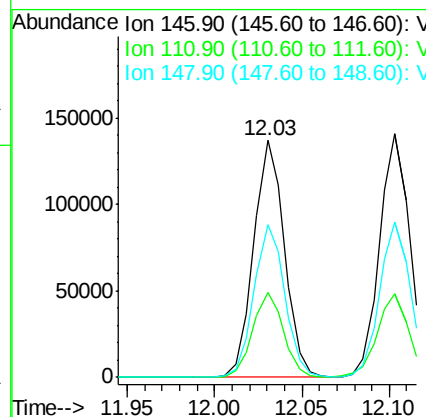
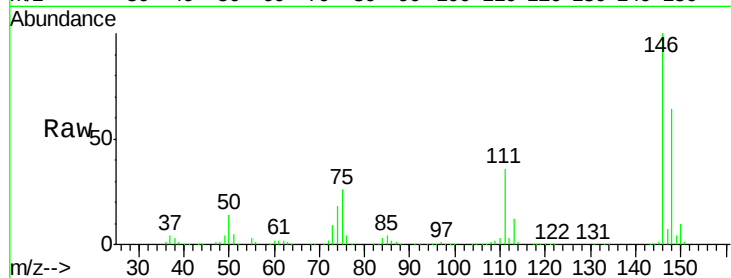
#87
 1,3-Dichlorobenzene
 Concen: 21.004 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Instrument :
 MSVOA_X
 ClientSampled :
 VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.1
148	64.4	32.1	96.5

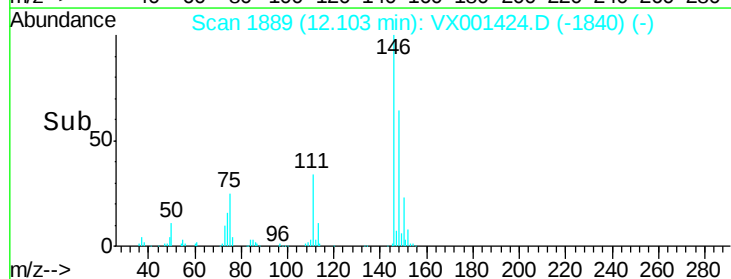
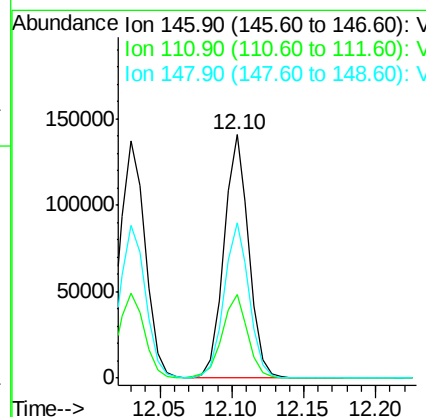
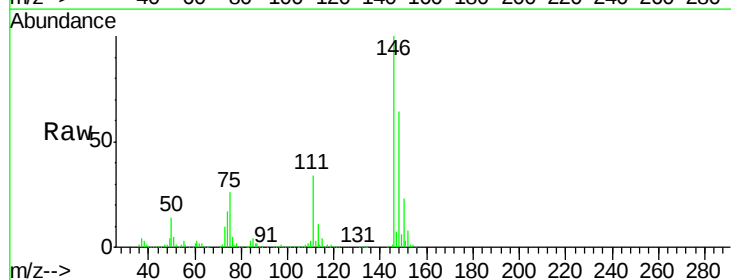
Manual Integrations
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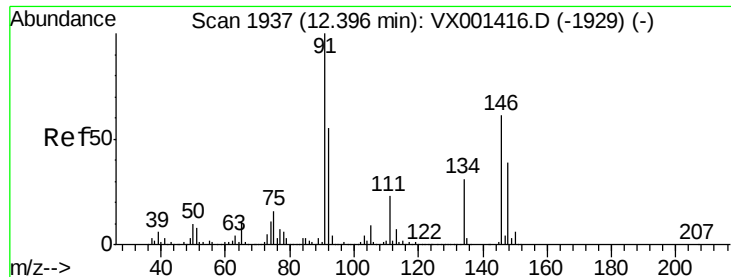
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#88
 1,4-Dichlorobenzene
 Concen: 20.808 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.4	52.3
148	64.7	32.2	96.6





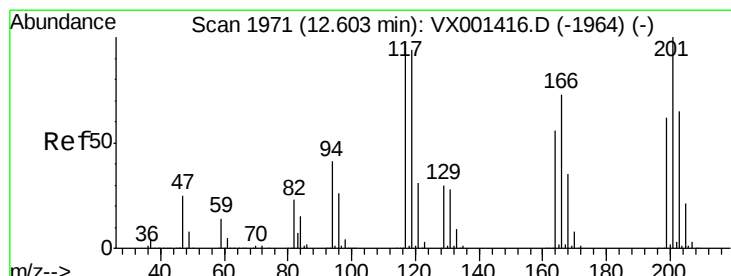
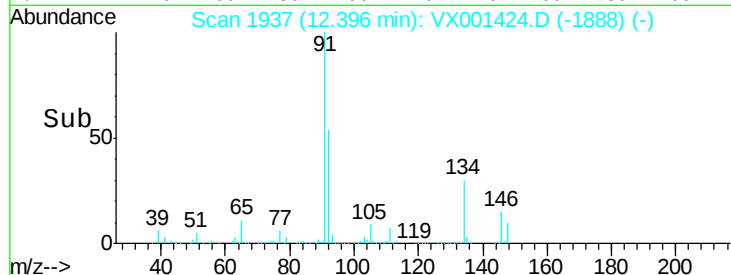
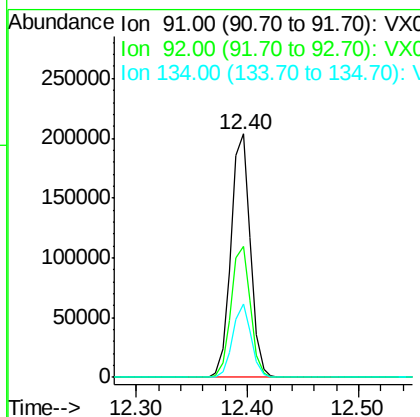
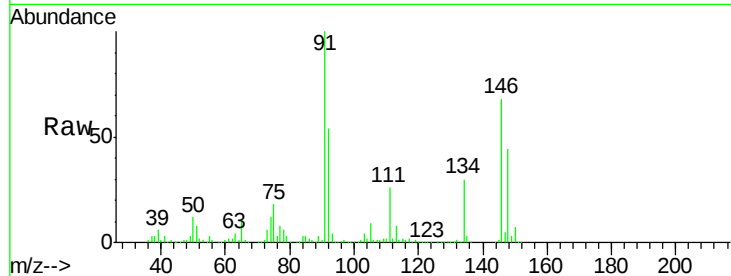
#89
n-Butylbenzene
Concen: 21.005 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleID :
VX0505WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	244117		
92	54.0		27.2	81.5
134	28.6		14.6	44.0

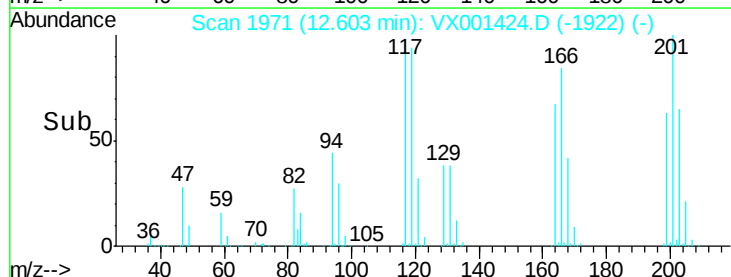
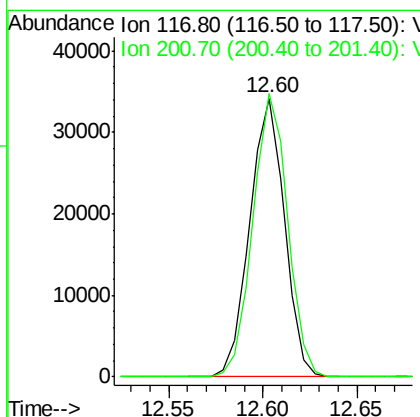
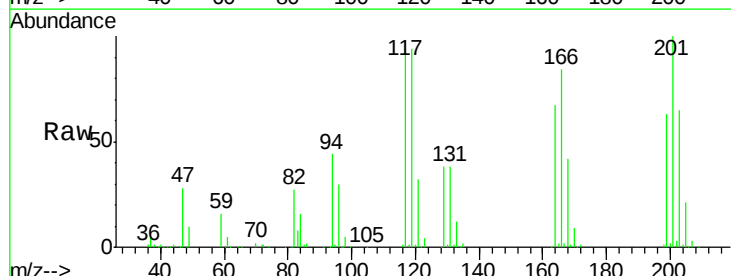
Manual Integrations
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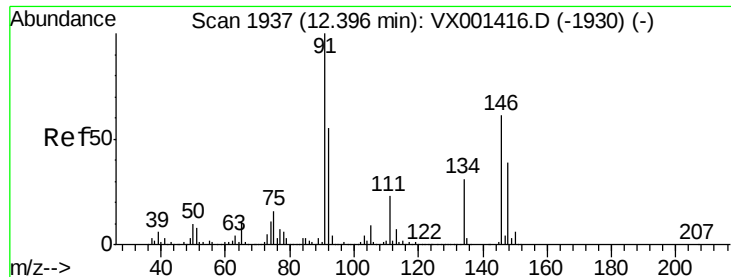
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#90
Hexachloroethane
Concen: 20.639 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43589		
201	102.0		51.5	154.5





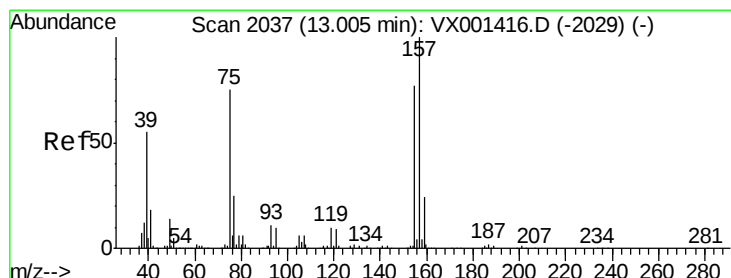
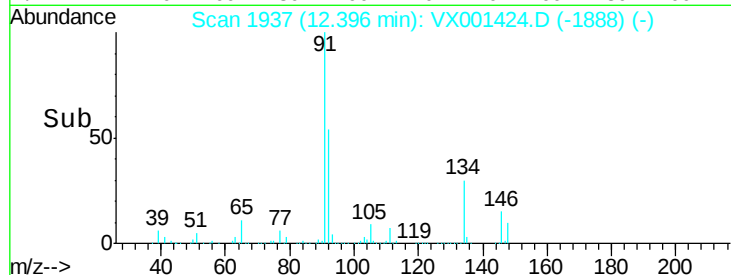
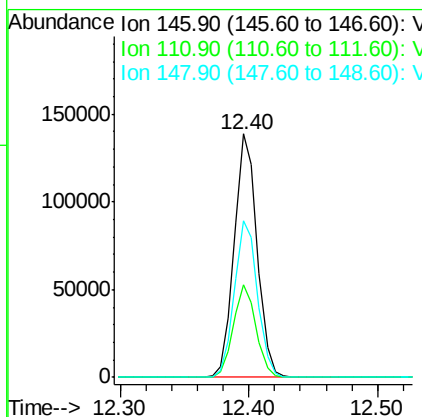
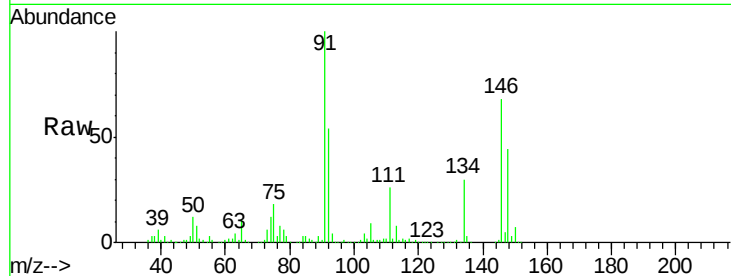
#91
 1,2-Dichlorobenzene
 Concen: 21.253 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	172788		
111	37.6	18.6	55.8	
148	64.6	32.1	96.5	

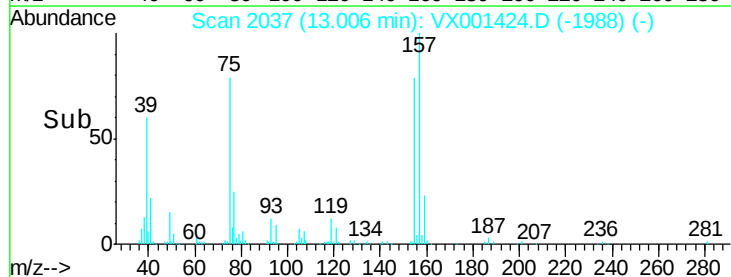
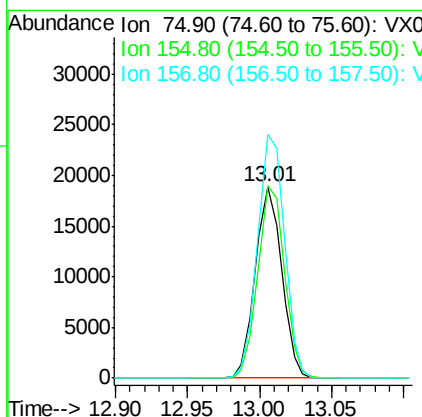
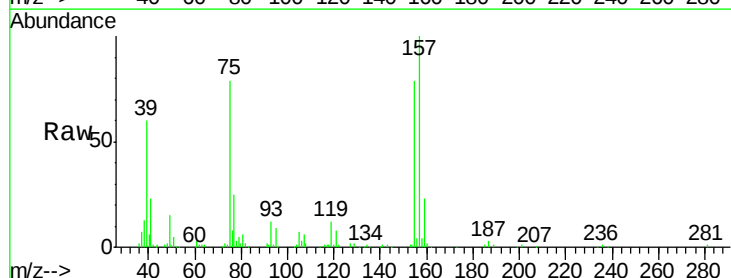
Manual Integrations
 APPROVED

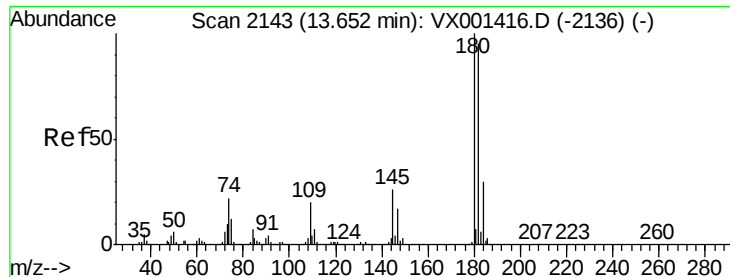
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.966 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23913		
155	101.5	53.4	160.2	
157	130.1	68.3	204.8	





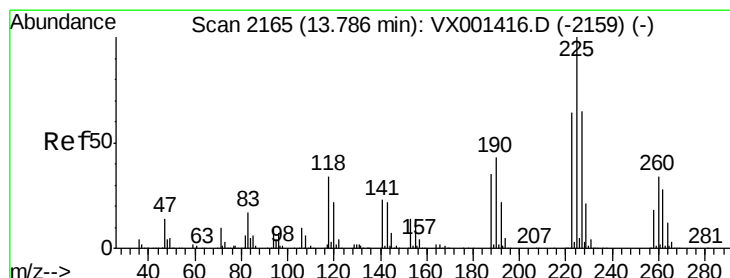
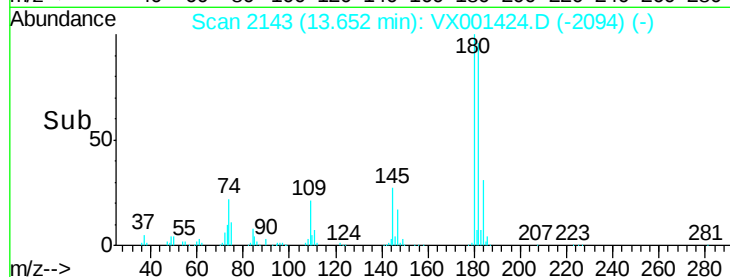
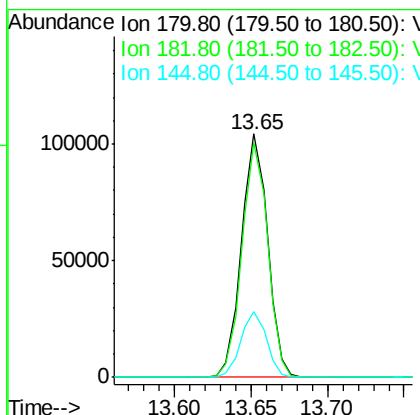
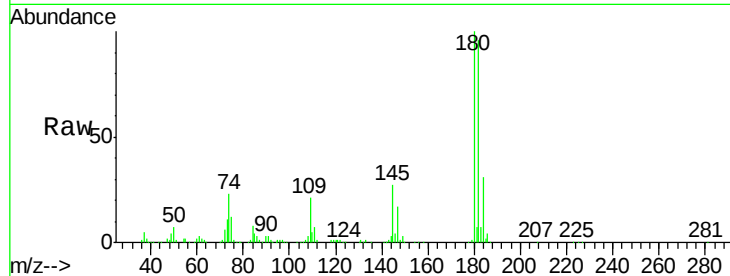
#93
 1,2,4-Trichlorobenzene
 Concen: 20.827 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123905		
182	94.8	47.8	143.4	
145	26.6	13.3	39.9	

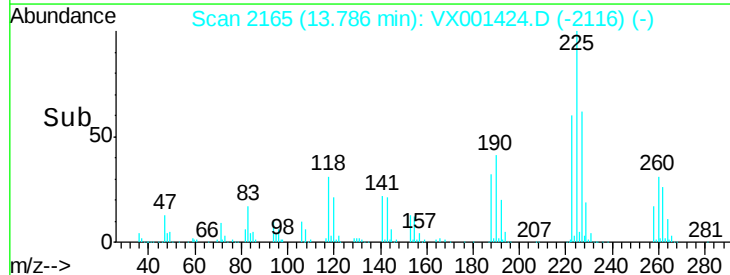
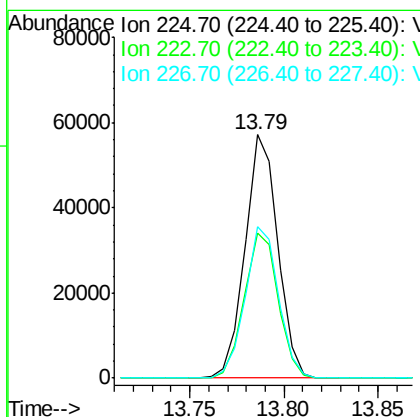
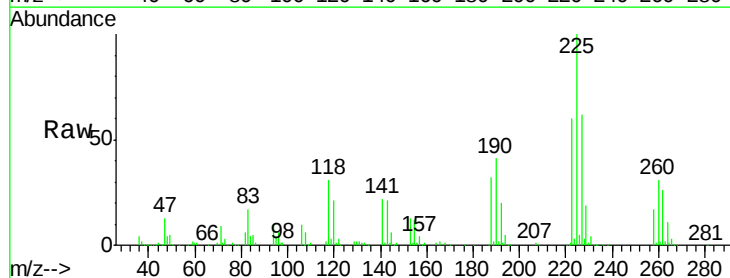
Manual Integrations
 APPROVED

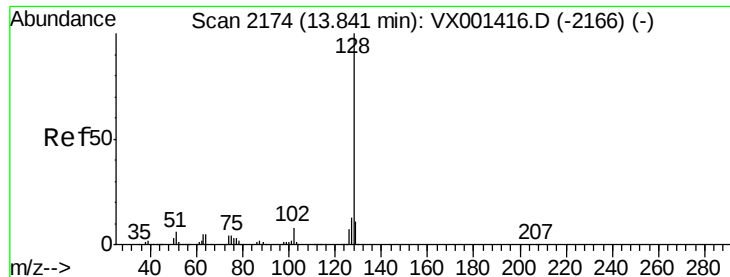
apatel
 5/8/2018 7:53:59 AM



#94
 Hexachlorobutadiene
 Concen: 21.131 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001424.D
 Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68787		
223	61.7	31.3	93.9	
227	63.4	32.4	97.2	





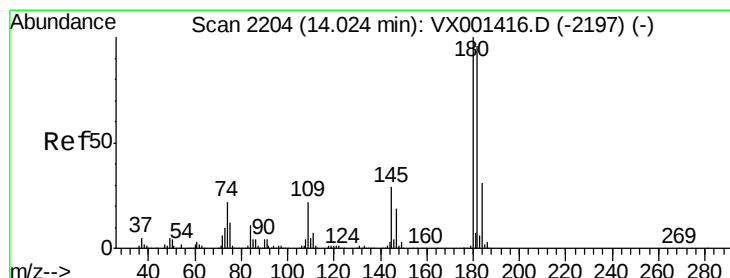
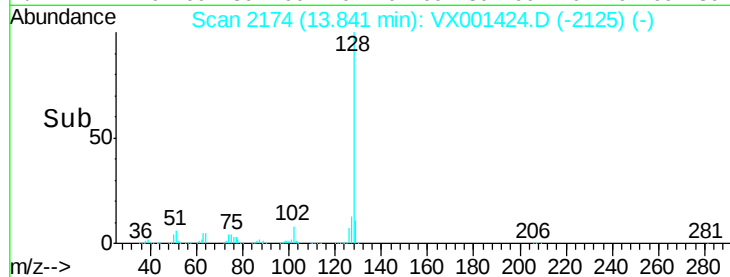
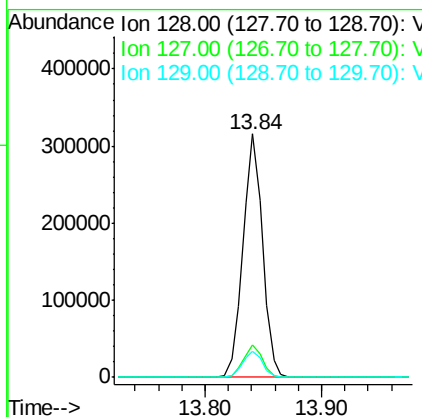
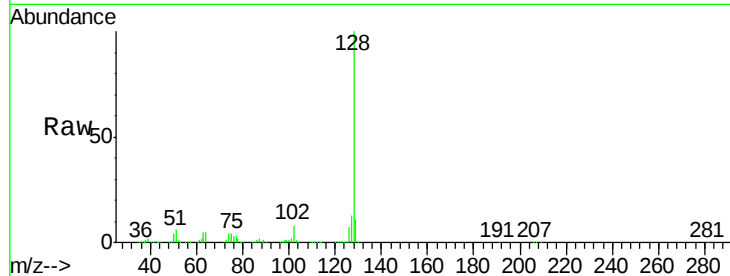
#95
Naphthalene
Concen: 22.485 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Instrument :
MSVOA_X
ClientSampleId :
VX0505WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

apatel
5/8/2018 7:53:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.293 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001424.D
Acq: 05 May 2018 17:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.0	144.2
145	28.8	14.1	42.4

