

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051118\
 Data File : VX001622.D
 Acq On : 11 May 2018 00:49
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 5/14/2018 3:57:39 PM

Quant Time: May 11 07:13:42 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 06:59:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	56995	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	302132	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	266250	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	124553	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	11.15	95	129124	29.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.07%
63) Toluene-d8	8.72	98	355738	30.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.19	85	293768	82.31	ug/l	99
3) Chloromethane	1.32	50	362789	106.06	ug/l	98
4) Vinyl Chloride	1.40	62	363389	101.15	ug/l	98
5) Bromomethane	1.64	94	157089	59.78	ug/l	98
6) Chloroethane	1.71	64	240055	106.76	ug/l	94
7) Trichlorofluoromethane	1.92	101	477200	81.74	ug/l	100
8) Diethyl Ether	2.19	74	238931	112.98	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	255565	76.83	ug/l	98
10) 1,1-Dichloroethene	2.37	96	293226	95.64	ug/l	98
11) Methyl Iodide	2.51	142	491519	126.68	ug/l	99
12) Methyl Acetate	2.78	43	533675	126.15	ug/l	100
13) Acrolein	2.30	56	378820	771.92	ug/l	100
14) Acrylonitrile	3.16	53	1061975	630.27	ug/l	100
15) Acetone	2.46	58	283234	559.17	ug/l	95
16) Carbon Disulfide	2.56	76	779991	97.21	ug/l	100
17) Allyl chloride	2.73	41	598310	108.99	ug/l	95
18) Methylene Chloride	2.85	84	356966	105.85	ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	326430	98.92	ug/l	98
20) Diisopropyl ether	3.88	45	1179587	110.25	ug/l	99
21) 1,1-Dichloroethane	3.70	63	618398	106.89	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	384918	104.80	ug/l	96
23) tert-Butyl Alcohol	3.10	59	488847	696.27	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	1138972	107.50	ug/l	99
25) Chloroform	5.22	83	652002	103.89	ug/l	98
26) Cyclohexane	5.57	56	413635	81.06	ug/l	# 99
29) 1,1-Dichloropropene	5.80	75	420267	95.13	ug/l	99
30) 2-Butanone	4.72	43	1485955	627.46	ug/l	99
31) 2,2-Dichloropropane	4.59	77	369674	80.20	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	546152	101.44	ug/l	99
33) Carbon Tetrachloride	5.78	117	464155	95.57	ug/l	100
34) Benzene	6.15	78	1397838	105.89	ug/l	100
35) Methacrylonitrile	5.07	41	329699	125.86	ug/l	96
36) 1,2-Dichloroethane	6.21	62	543518	106.17	ug/l	100
37) Trichloroethene	7.22	130	400801	100.37	ug/l	99
38) Methylcyclohexane	7.46	83	425484	83.25	ug/l	97
39) 1,2-Dichloropropane	7.52	63	355177	106.16	ug/l	99
40) Dibromomethane	7.67	93	256958	108.74	ug/l	98

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Quant Time: May 11 07:13:42 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 06:59:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	498862	111.83	ug/l	98
42) Vinyl Acetate	3.83	43	5122481	571.61	ug/l	99
43) Ethyl Acetate	4.88	43	577490	126.17	ug/l	98
44) Isopropyl Acetate	6.48	43	919828	121.35	ug/l	98
45) 1,4-Dioxane	7.77	88	212020	2875.66	ug/l	97
46) Methyl methacrylate	7.79	41	492106	123.62	ug/l	97
47) n-amyl Acetate	10.91	43	816900	114.26	ug/l	97
48) t-1,3-Dichloropropene	8.44	75	579151	111.48	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	523515	106.88	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	376523	107.20	ug/l	97
51) Ethyl methacrylate	9.19	69	596250	119.30	ug/l	98
52) 1,3-Dichloropropane	9.38	76	619773	108.88	ug/l	99
53) Dibromochloromethane	9.59	129	424941	110.62	ug/l	99
54) 1,2-Dibromoethane	9.68	107	404254	107.18	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	1585624	636.84	ug/l	99
56) Bromoform	10.87	173	377210	119.76	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	3052149	669.33	ug/l	98
59) 2-Hexanone	9.51	43	2273160	644.08	ug/l	98
61) Tetrachloroethene	9.34	164	414613	102.03	ug/l	98
62) Toluene	8.79	91	1489046	104.82	ug/l	99
64) Chlorobenzene	10.15	112	974285	101.87	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	391655	112.09	ug/l	100
66) Ethyl Benzene	10.26	91	1523863	97.29	ug/l	98
67) m/p-Xylenes	10.37	106	1221456	195.16	ug/l	98
68) o-Xylene	10.71	106	618304	102.35	ug/l	98
69) Styrene	10.72	104	1060628	105.46	ug/l	98
70) Isopropylbenzene	11.02	105	1512722	92.65	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	574131	117.20	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	542777m	122.88	ug/l	
73) Bromobenzene	11.26	156	490846	102.91	ug/l	99
74) n-propylbenzene	11.37	91	1675750	91.09	ug/l	99
75) 2-Chlorotoluene	11.43	91	1066719	95.37	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	1293975	93.02	ug/l	99
77) t-1,4-Dichloro-2-butene	11.09	75	168847	129.75	ug/l	82
78) 4-Chlorotoluene	11.52	91	1231122	93.22	ug/l	100
79) tert-butylbenzene	12.07	119	1383893	93.10	ug/l	99
80) 1,2,4-Trimethylbenzene	11.82	105	1350725	95.64	ug/l	99
81) sec-Butylbenzene	11.95	105	1472771	91.31	ug/l	100
82) p-Isopropyltoluene	12.07	119	1383893	93.10	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	847390	98.11	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	859596	98.03	ug/l	99
85) n-Butylbenzene	12.40	91	1129392	89.05	ug/l	98
86) Hexachloroethane	12.60	117	234772	102.63	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	890642	103.04	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	141650	135.56	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	663907	102.96	ug/l	100
90) Hexachlorobutadiene	13.79	225	303578	98.11	ug/l	98
91) Naphthalene	13.84	128	2100432	122.34	ug/l	100
92) 1,2,3-Trichlorobenzene	14.03	180	695860	107.66	ug/l	99

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ClientSampleId :
VSTDICC150

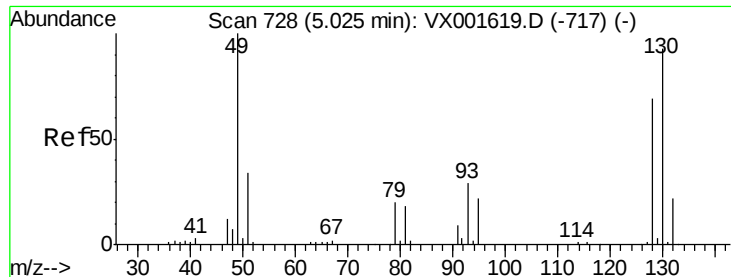
Manual Integrations
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Quant Time: May 11 07:13:42 2018
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QLast Update : Fri May 11 06:59:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



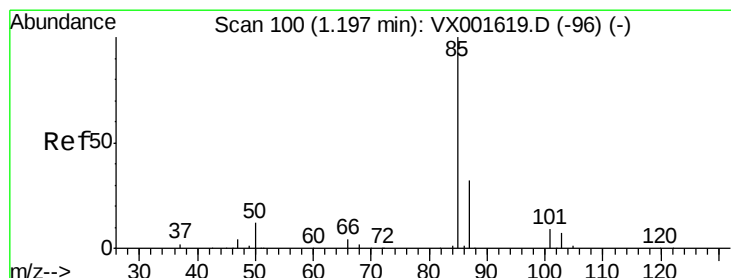
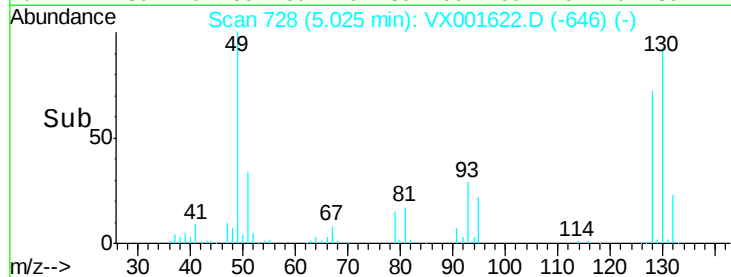
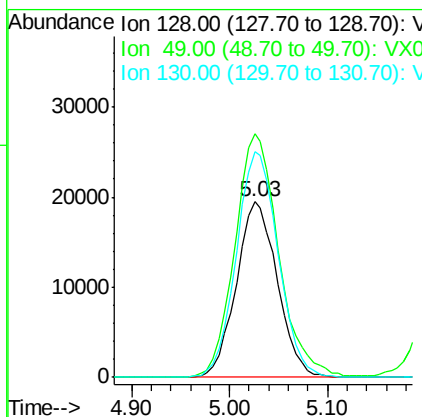
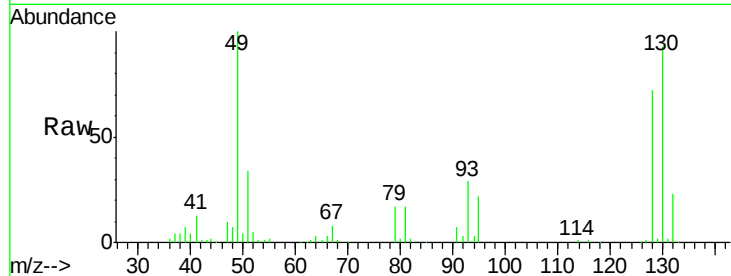
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	147.6	0.0	372.0
130	130.9	0.0	326.5

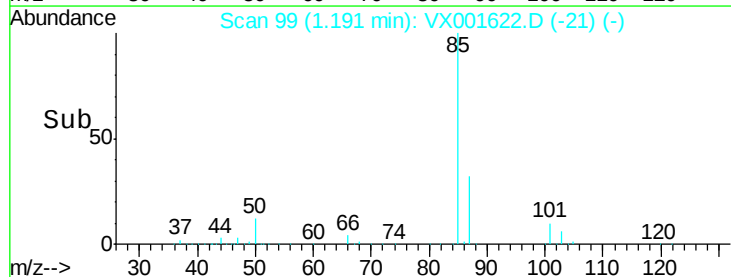
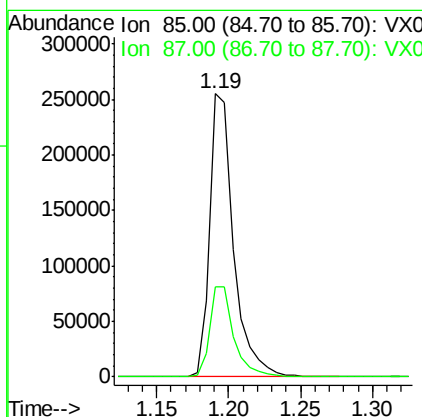
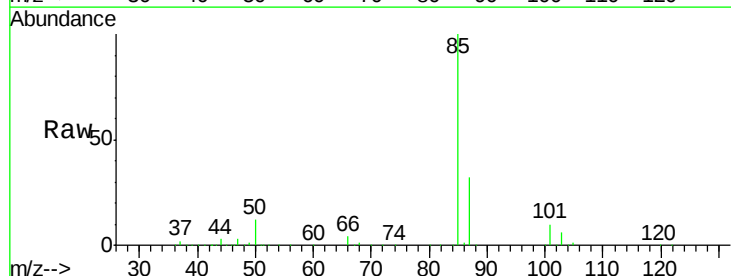
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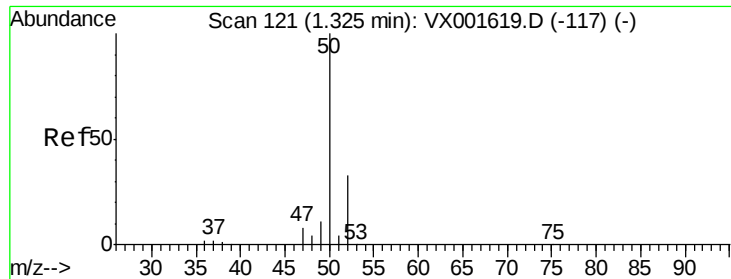
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#2
 Dichlorodifluoromethane
 Concen: 82.31 ug/l
 RT: 1.19 min Scan# 99
 Delta R.T. -0.01 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.3	48.8





#3

Chloromethane

Concen: 106.06 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 362789

Ion Ratio Lower Upper

50 100

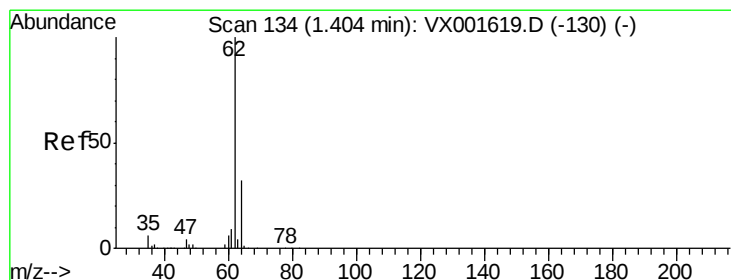
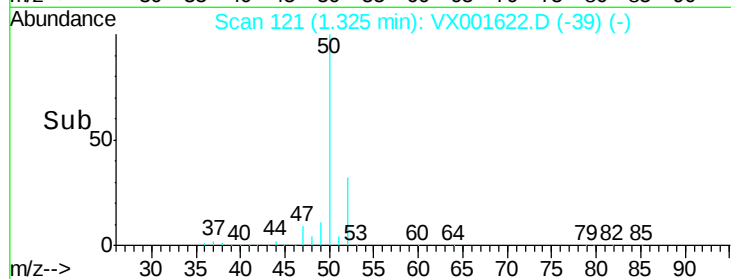
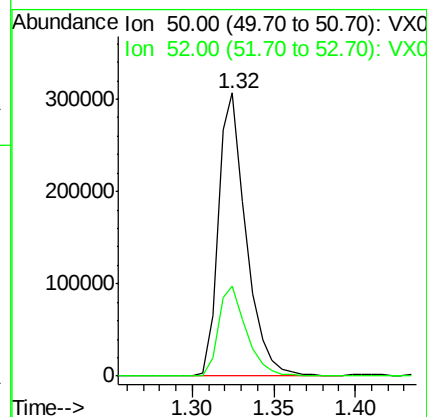
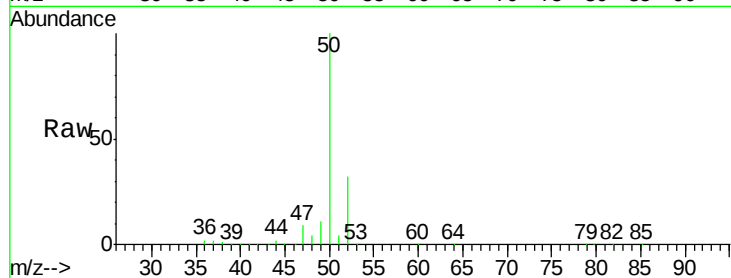
52 32.0 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 101.15 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001622.D

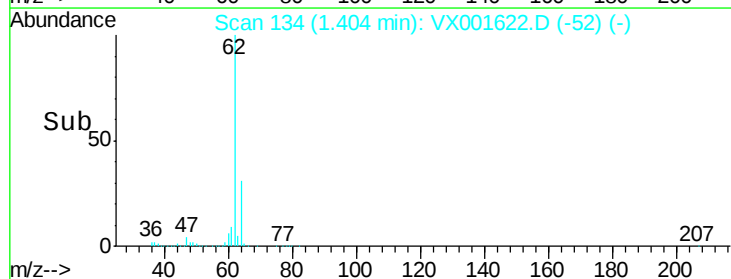
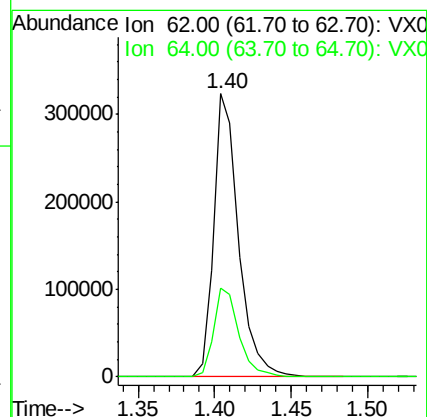
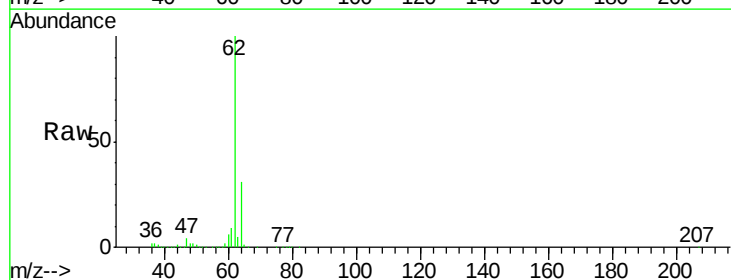
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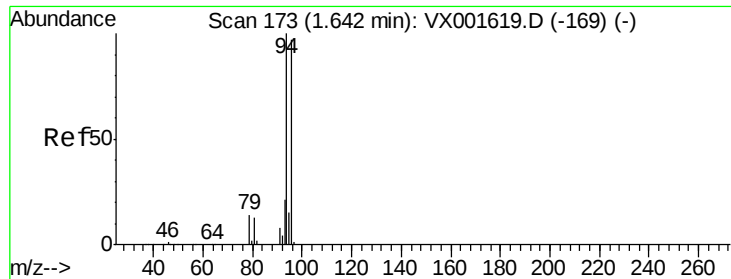
Tgt Ion: 62 Resp: 363389

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 59.78 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 157089

Ion Ratio Lower Upper

94 100

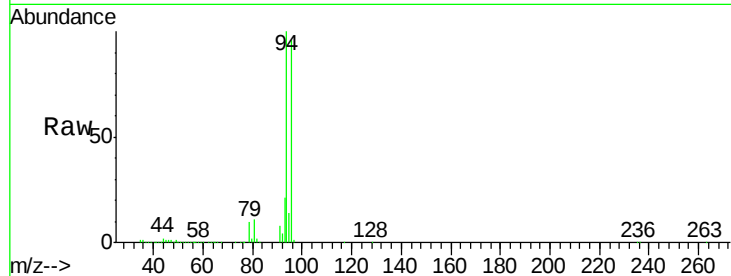
96 95.8 77.8 116.8

Manual Integrations

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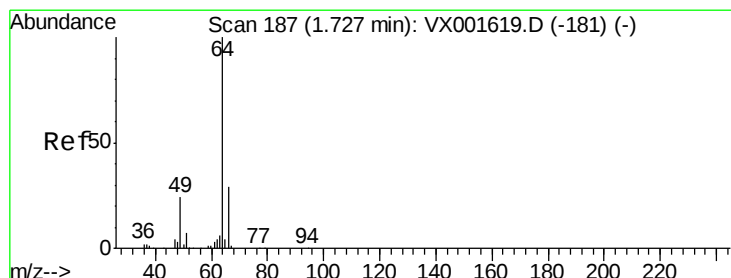
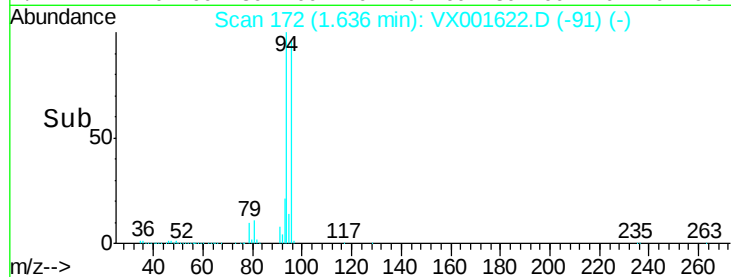
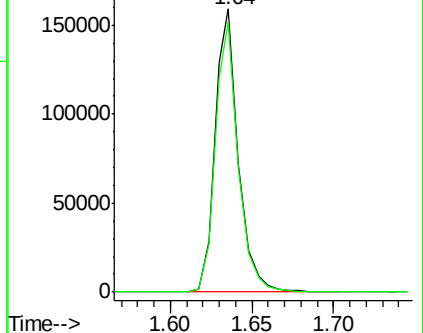
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 106.76 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX001622.D

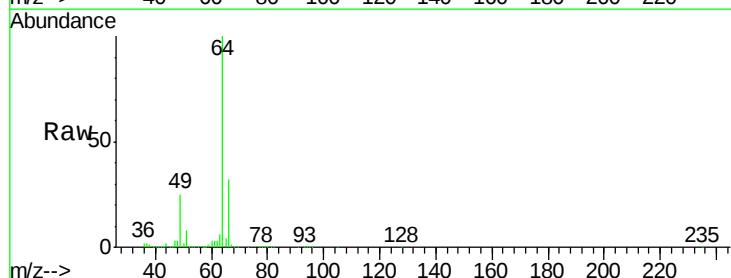
Acq: 11 May 2018 00:49

Tgt Ion: 64 Resp: 240055

Ion Ratio Lower Upper

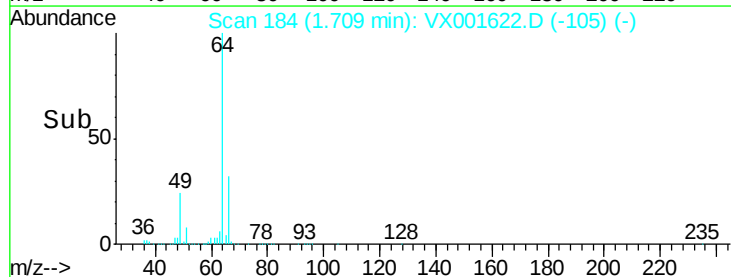
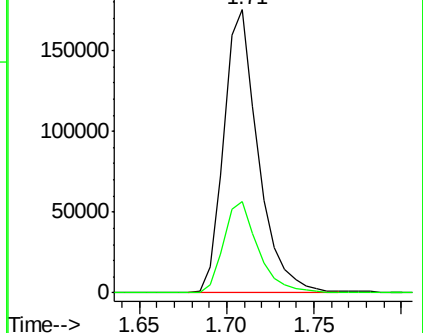
64 100

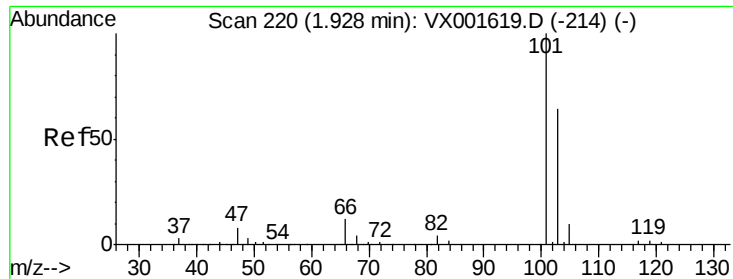
66 32.3 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

Trichlorofluoromethane

Concen: 81.74 ug/l

RT: 1.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 477200

Ion Ratio Lower Upper

101 100

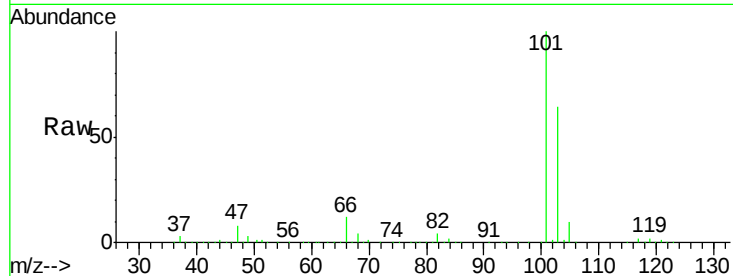
103 64.4 51.4 77.0

Manual Integrations

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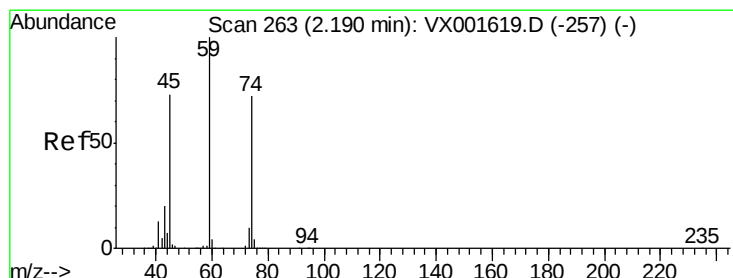
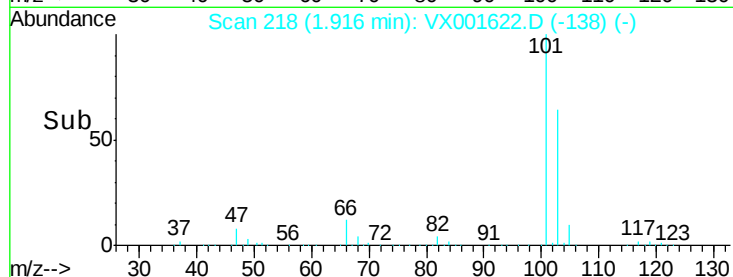
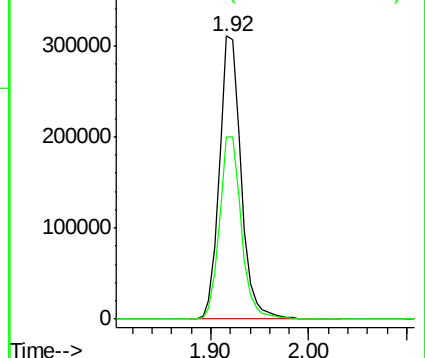
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 112.98 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001622.D

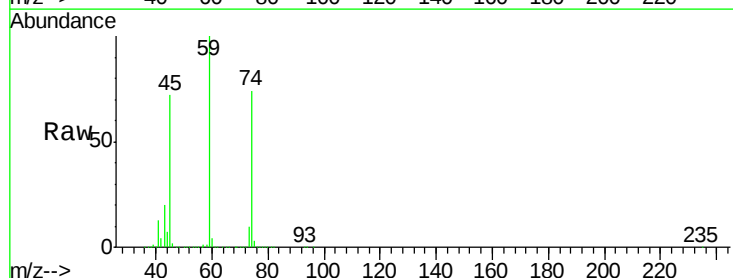
Acq: 11 May 2018 00:49

Tgt Ion: 74 Resp: 238931

Ion Ratio Lower Upper

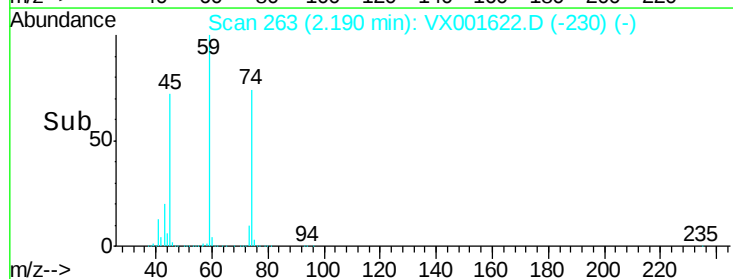
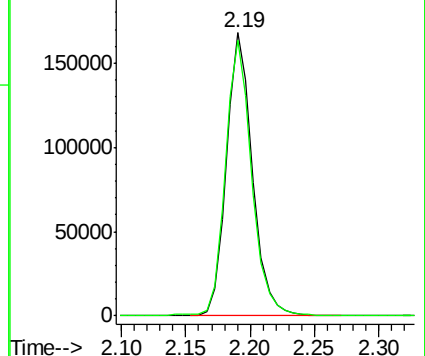
74 100

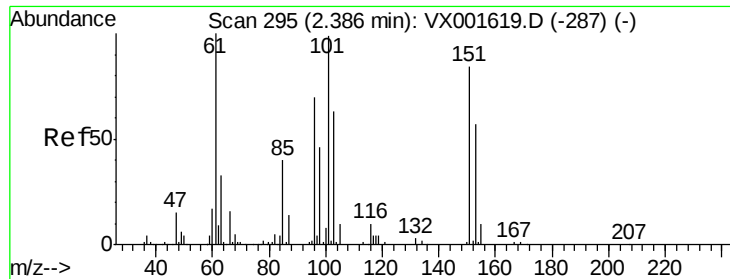
45 97.4 19.4 174.2



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 76.83 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

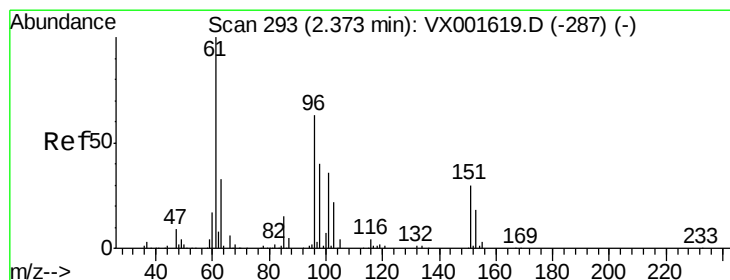
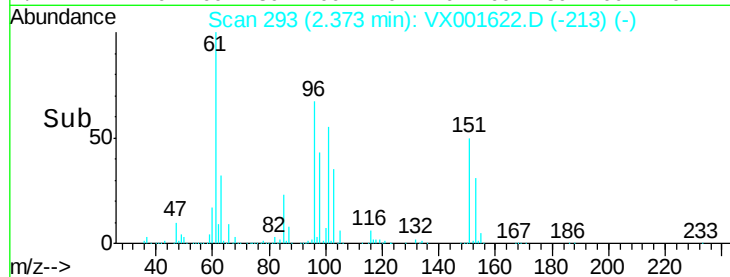
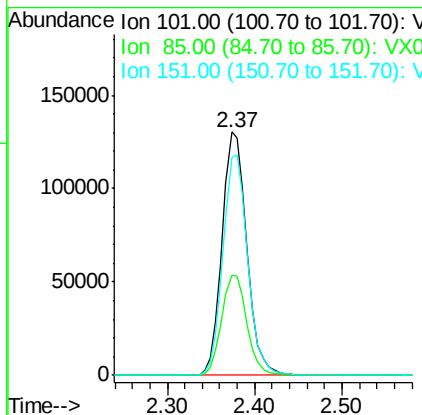
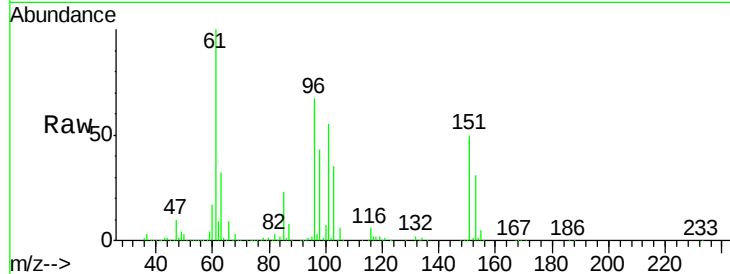
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	255565
Ion Ratio	Lower	Upper	
101	100		
85	42.0	0.0	84.0
151	90.7	0.0	176.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 95.64 ug/l

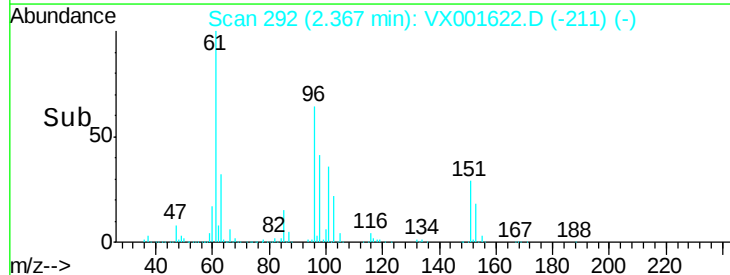
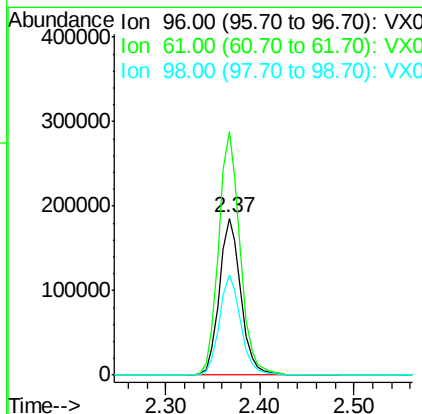
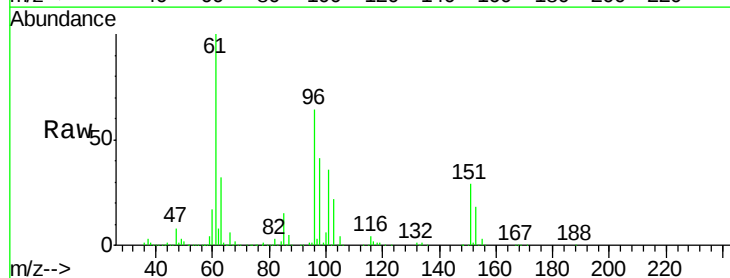
RT: 2.37 min Scan# 292

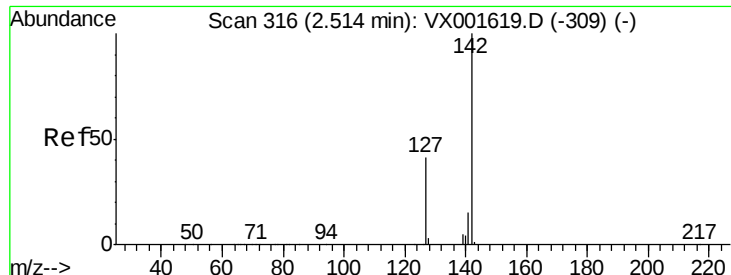
Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Tgt Ion:	96	Resp:	293226
Ion Ratio	Lower	Upper	
96	100		
61	155.3	126.5	189.7
98	64.2	50.6	75.8





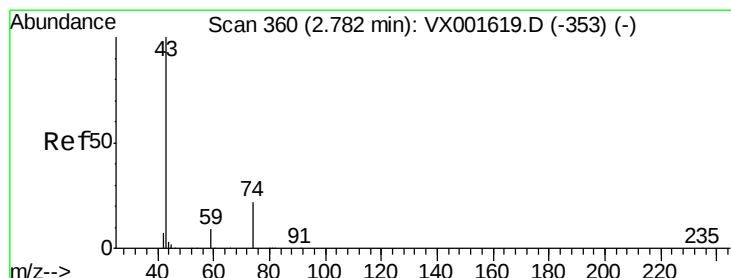
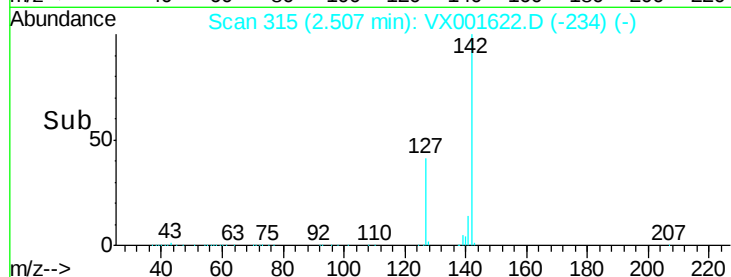
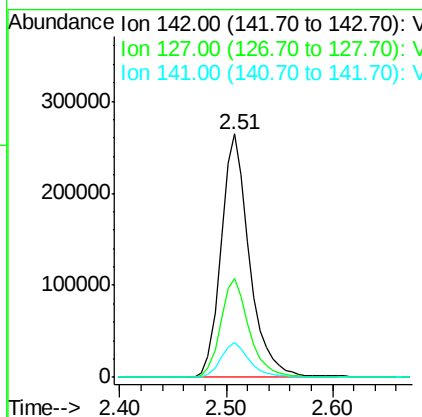
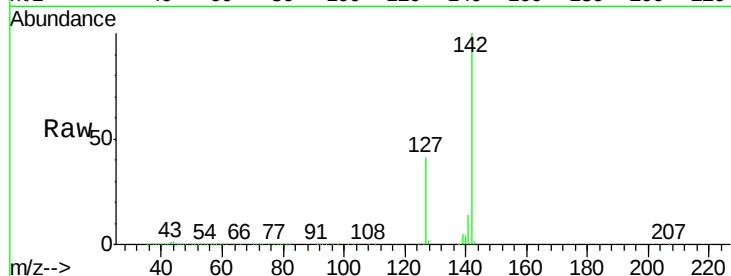
#11
Methyl Iodide
Concen: 126.68 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.6	20.7	62.1
141	14.3	7.4	22.3

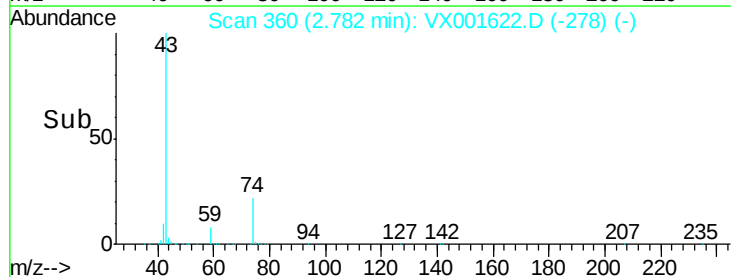
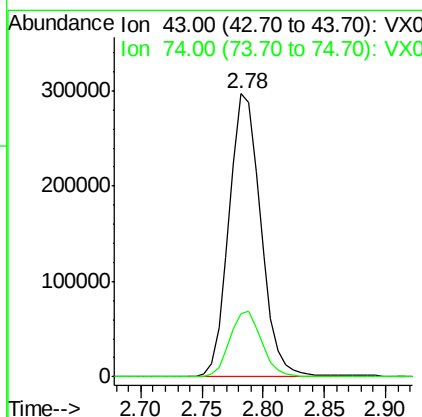
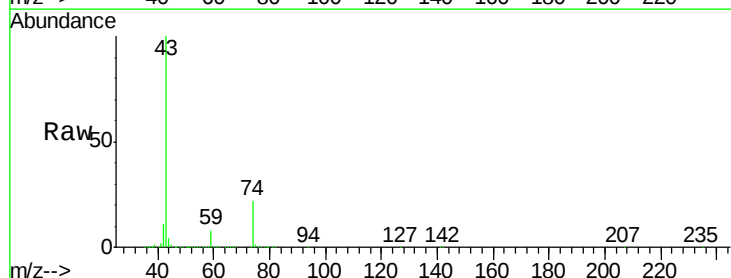
Manual Integrations
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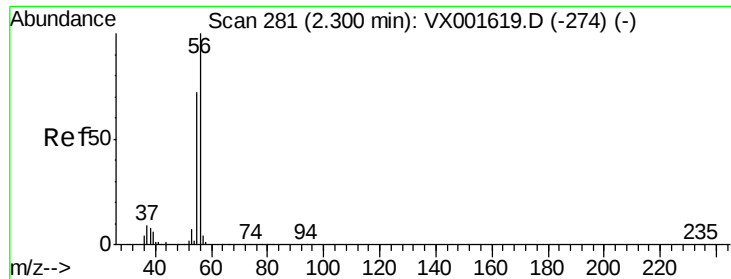
apatel
5/14/2018 3:57:39 PM



#12
Methyl Acetate
Concen: 126.15 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.0	27.0





#13

Acrolein

Concen: 771.92 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 378820

Ion Ratio Lower Upper

56 100

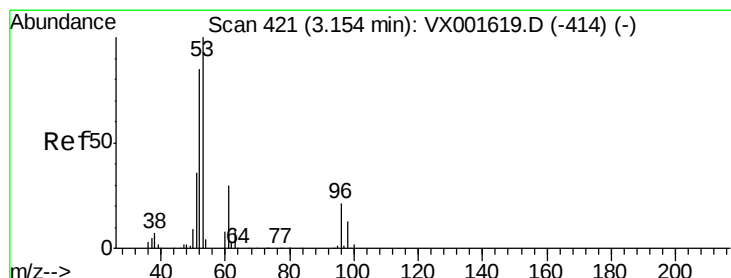
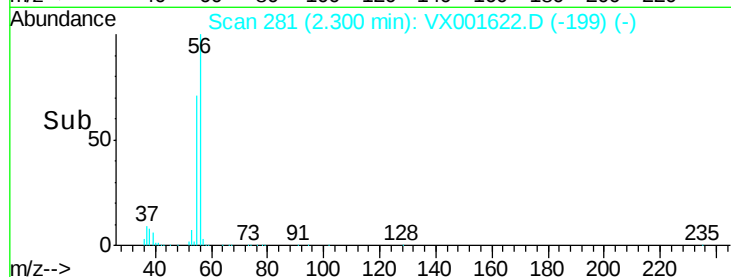
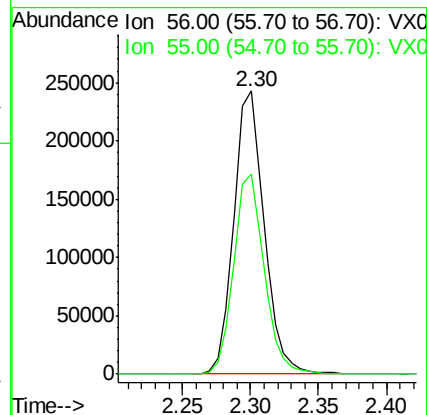
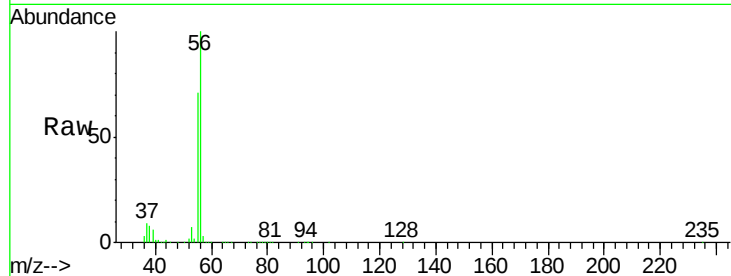
55 70.8 56.9 85.3

Manual Integrations

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#14

Acrylonitrile

Concen: 630.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

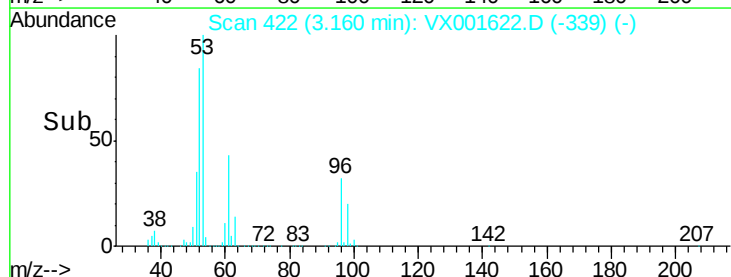
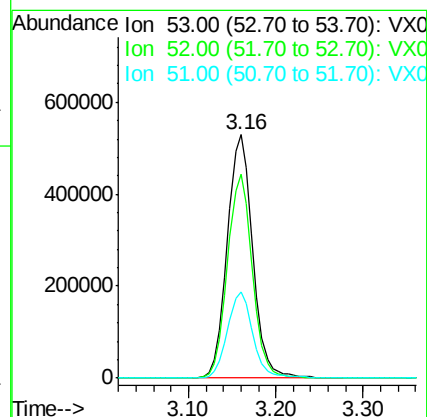
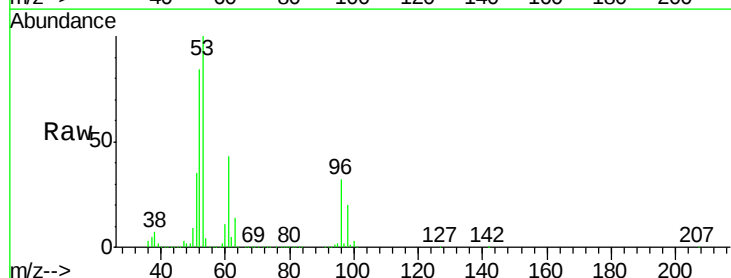
Tgt Ion: 53 Resp: 1061975

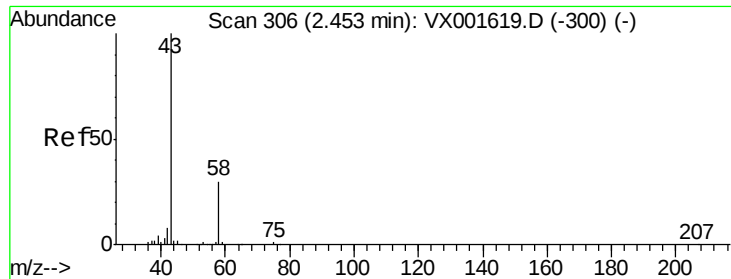
Ion Ratio Lower Upper

53 100

52 82.7 41.3 123.9

51 35.9 18.1 54.3





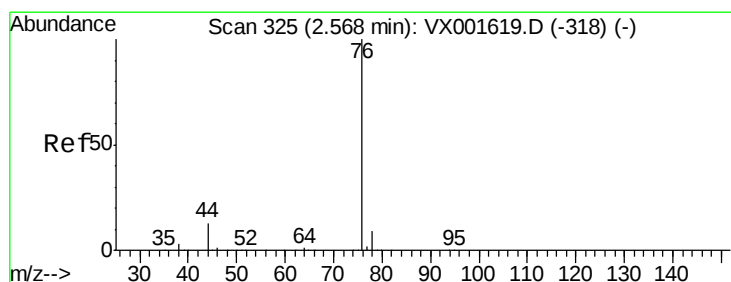
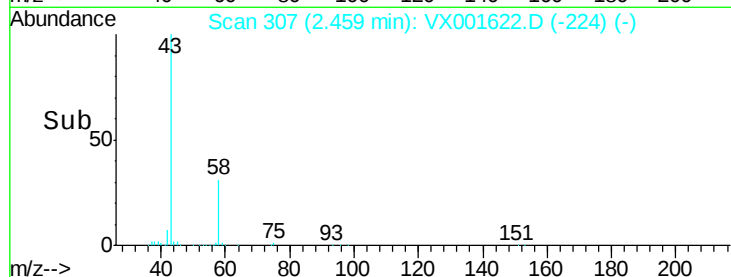
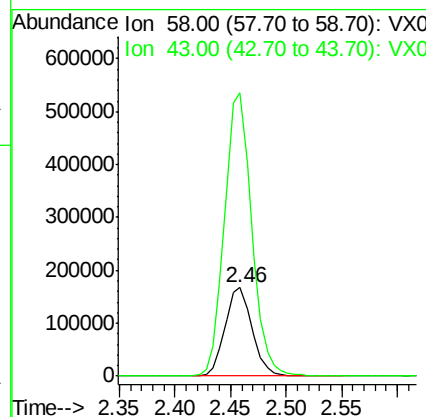
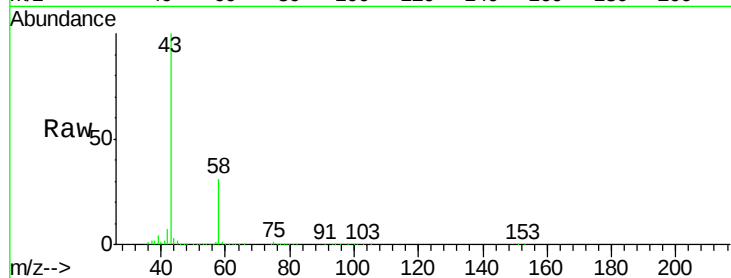
#15
Acetone
Concen: 559.17 ug/l
RT: 2.46 min Scan# 307
Delta R.T. 0.01 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	58	Resp	283234
Ion Ratio	Lower	Upper	
58	100		
43	318.9	264.2	396.2

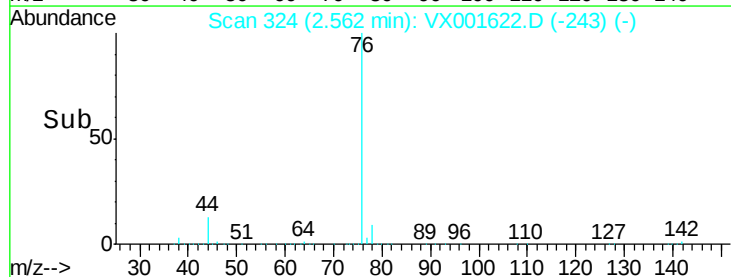
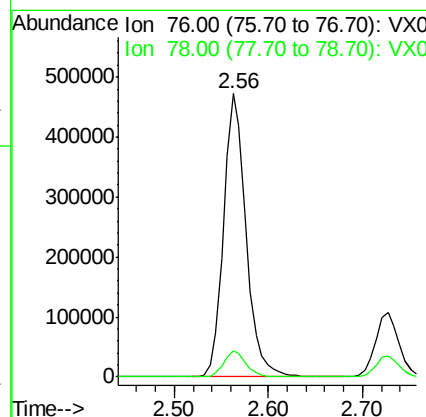
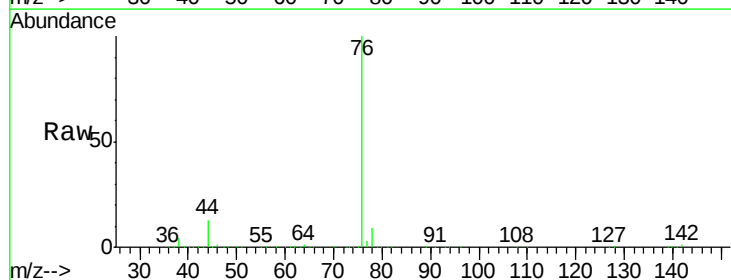
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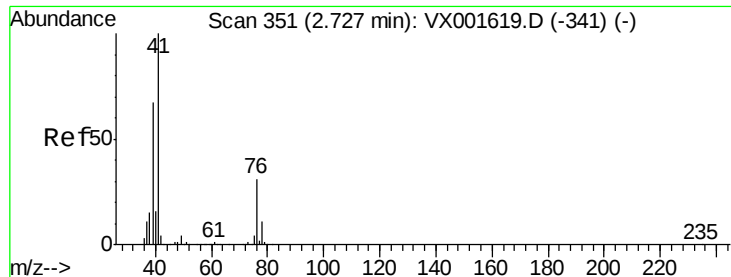
apatel
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#16
Carbon Disulfide
Concen: 97.21 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion	76	Resp	779991
Ion Ratio	Lower	Upper	
76	100		
78	9.1	7.3	10.9





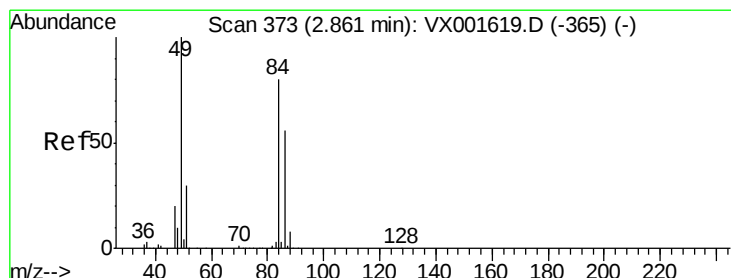
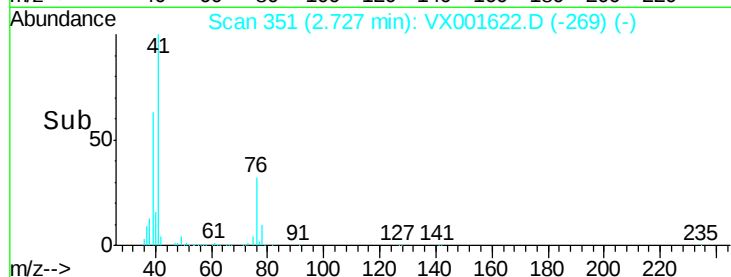
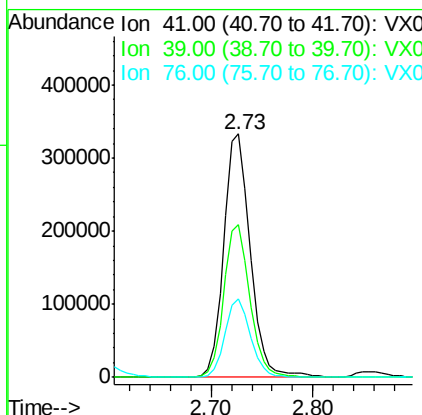
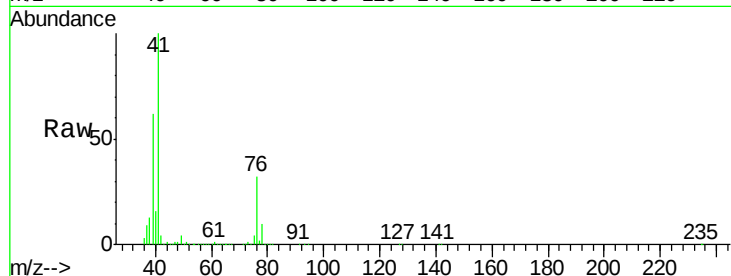
#17
Allvl chloride
Concen: 108.99 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	598310
Ion Ratio	Lower	Upper	
41	100		
39	62.4	33.7	101.1
76	32.4	15.4	46.4

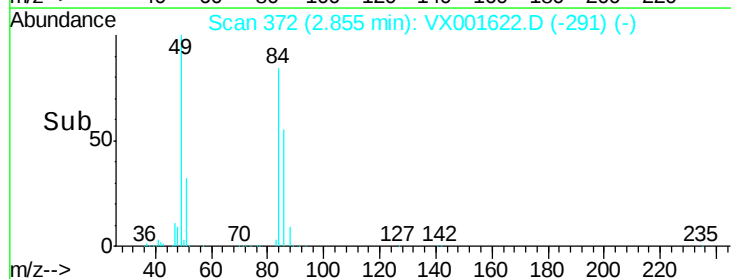
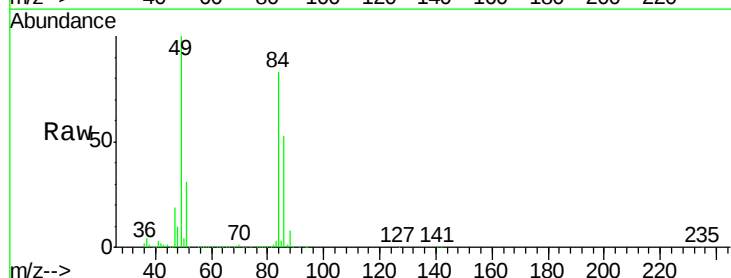
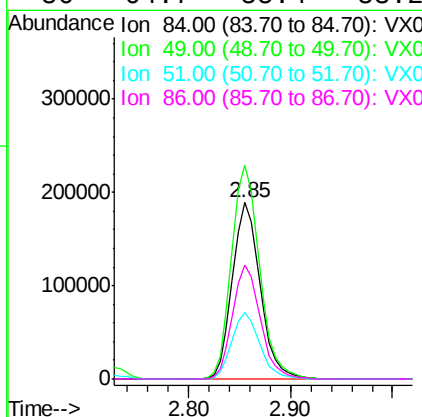
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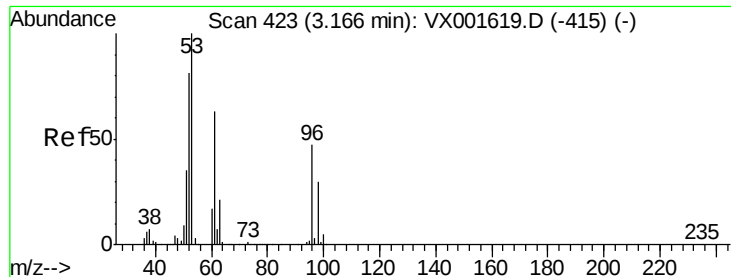
apatel
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#18
Methylene Chloride
Concen: 105.85 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion:	84	Resp:	356966
Ion Ratio	Lower	Upper	
84	100		
49	121.1	99.5	149.3
51	37.5	30.1	45.1
86	64.7	55.4	83.2





#19

trans-1,2-Dichloroethene

Concen: 98.92 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

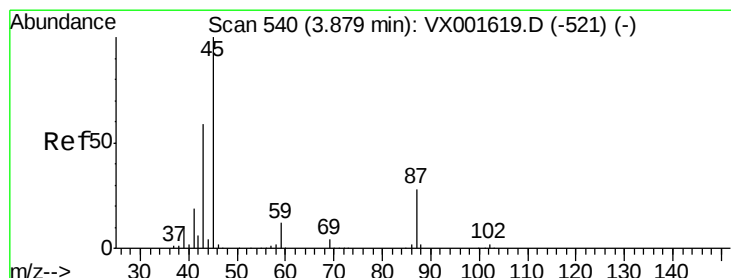
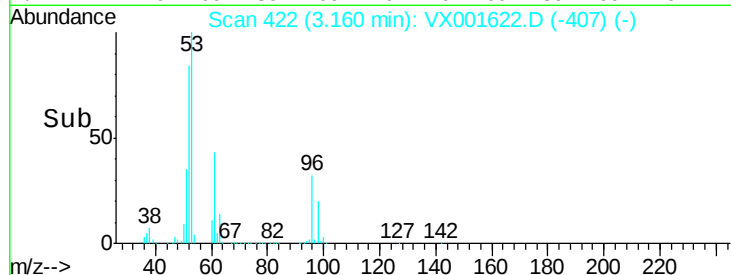
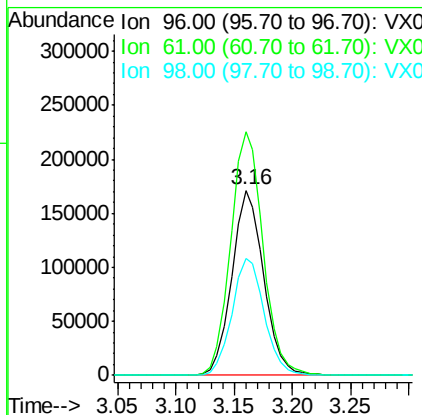
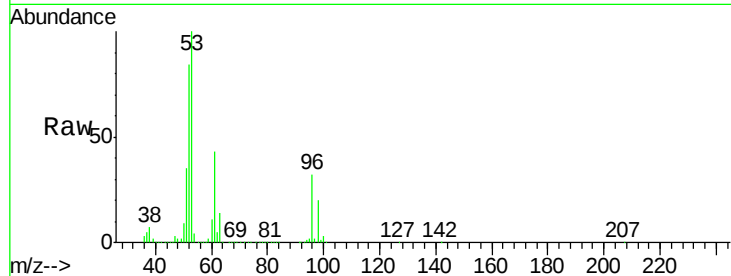
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	326430
Ion	Ratio	Lower	Upper
96	100		
61	131.5	107.7	161.5
98	63.2	51.6	77.4

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#20

Diisopropyl ether

Concen: 110.25 ug/l

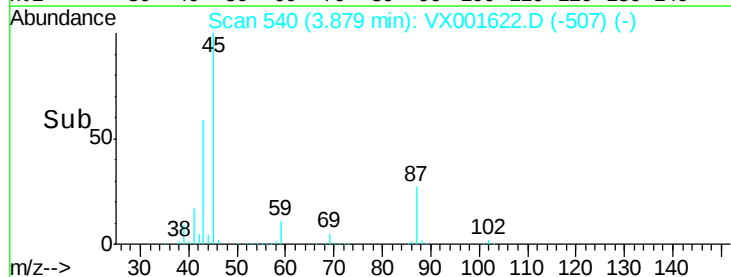
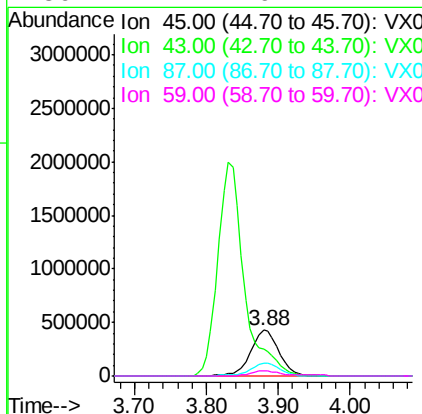
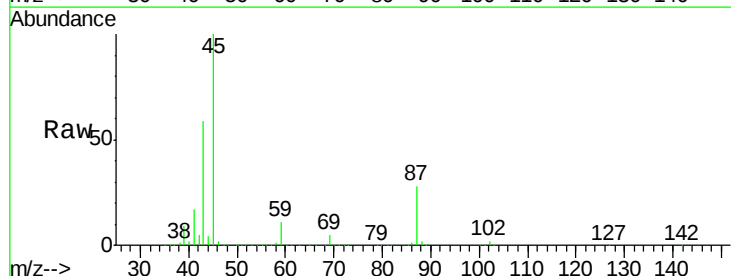
RT: 3.88 min Scan# 540

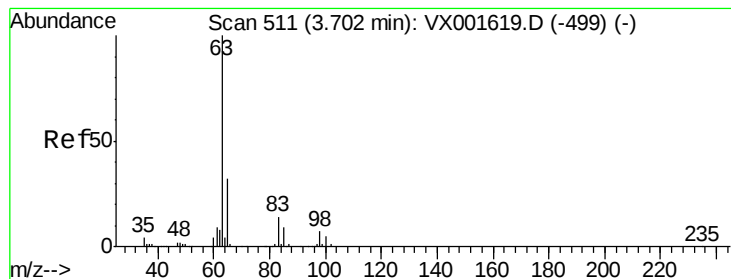
Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Tgt Ion:	45	Resp:	1179587
Ion	Ratio	Lower	Upper
45	100		
43	58.3	47.5	71.3
87	27.7	22.2	33.4
59	11.4	9.4	14.2





#21

1,1-Dichloroethane

Concen: 106.89 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

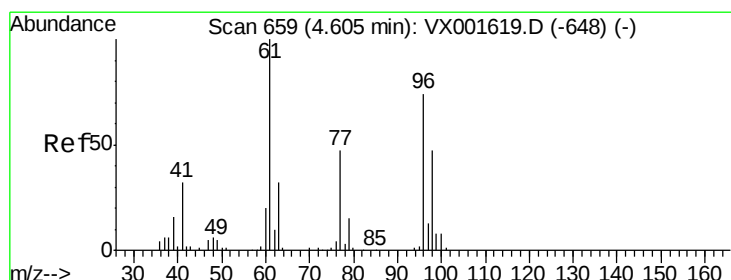
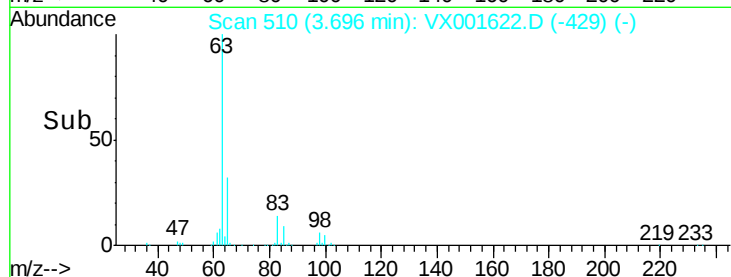
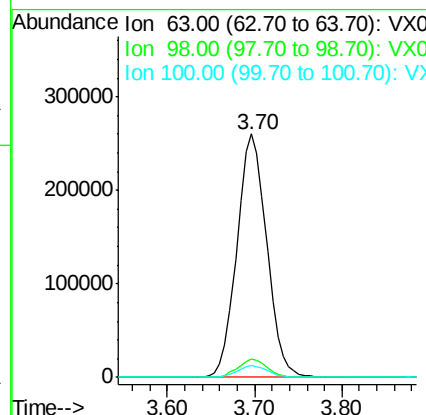
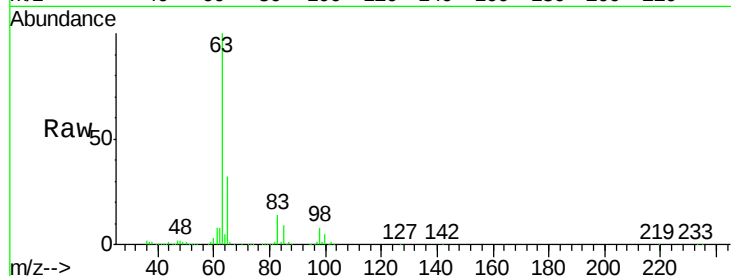
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	618398
Ion Ratio	Lower	Upper	
63	100		
98	7.5	3.5	10.5
100	4.7	2.5	7.4

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#22

cis-1,2-Dichloroethene

Concen: 104.80 ug/l

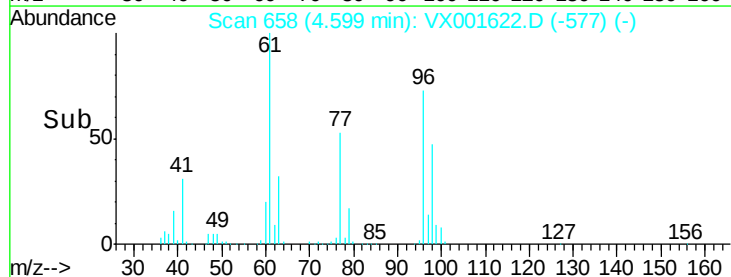
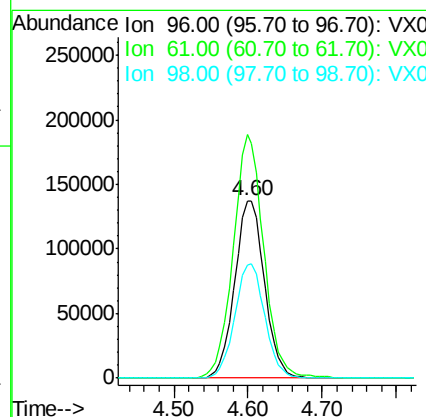
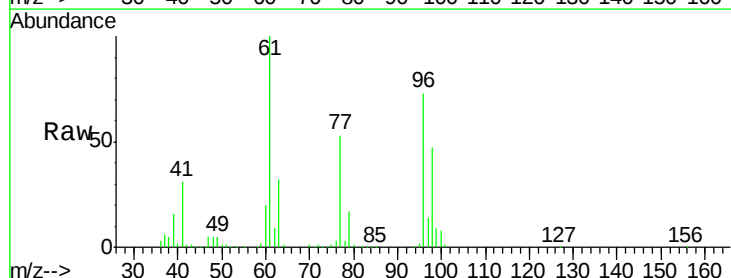
RT: 4.60 min Scan# 658

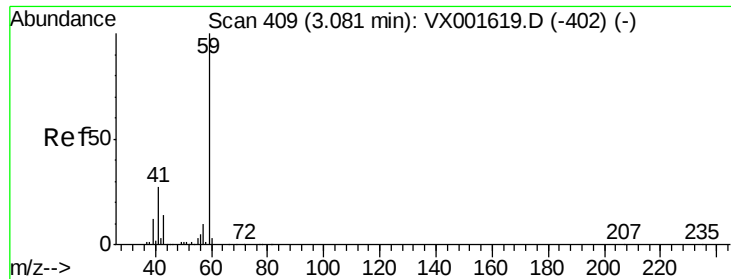
Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Tgt Ion:	96	Resp:	384918
Ion Ratio	Lower	Upper	
96	100		
61	140.2	117.3	175.9
98	64.9	51.2	76.8





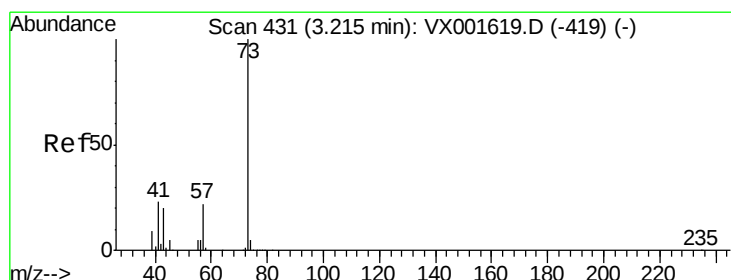
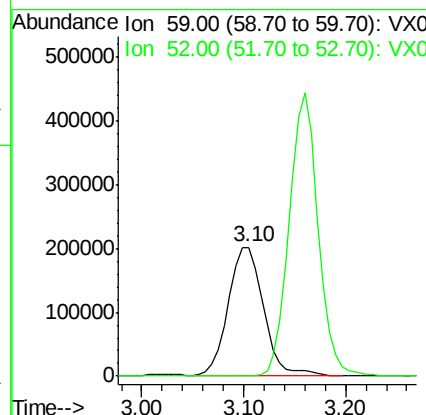
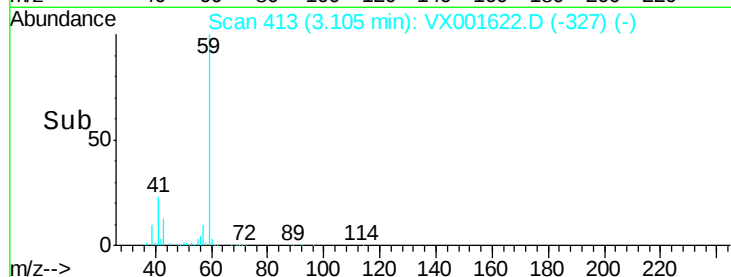
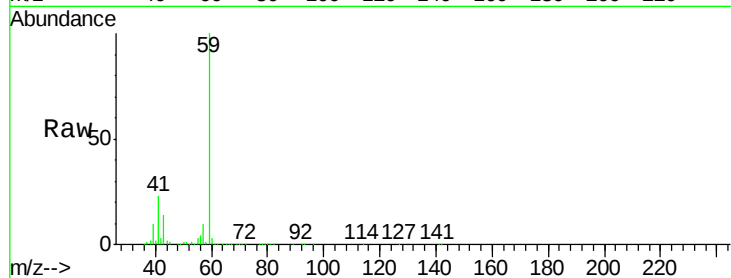
#23
 tert-Butyl Alcohol
 Concen: 696.27 ug/l
 RT: 3.10 min Scan# 413
 Delta R.T. 0.02 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 59 Resp: 488847
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

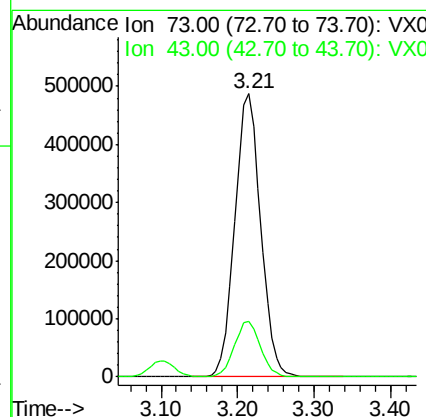
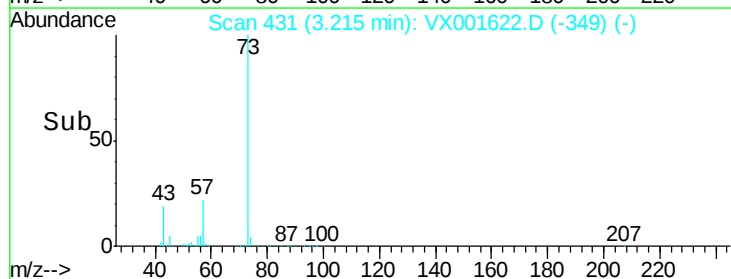
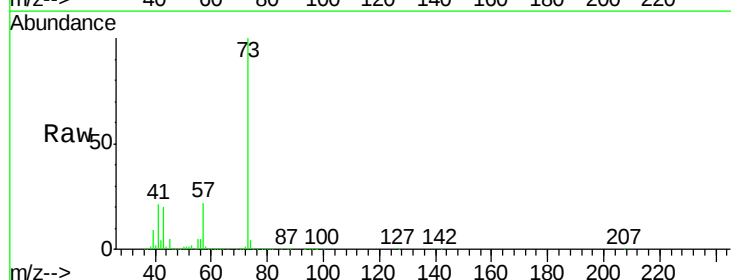
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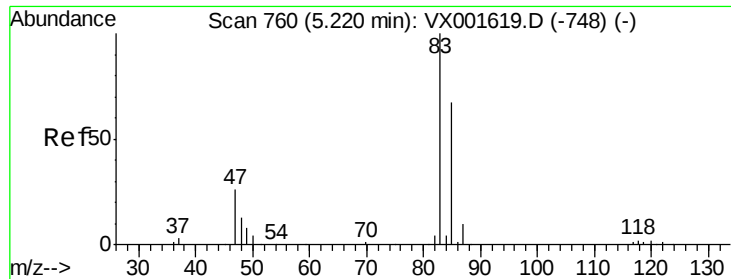
apatel
 5/14/2018 3:57:39 PM



#24
 Methyl tert-Butyl Ether
 Concen: 107.50 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion: 73 Resp: 1138972
 Ion Ratio Lower Upper
 73 100
 43 19.7 16.3 24.5





#25

Chloroform

Concen: 103.89 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 652002

Ion Ratio Lower Upper

83 100

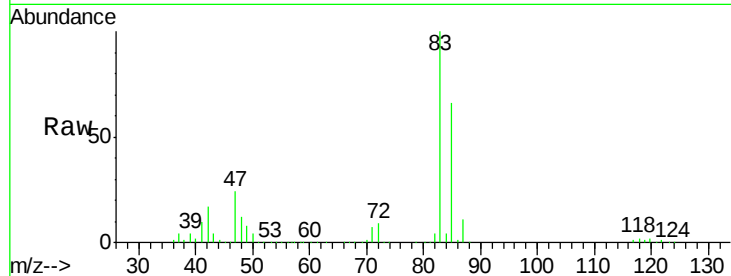
85 65.7 53.9 80.9

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

250000

200000

150000

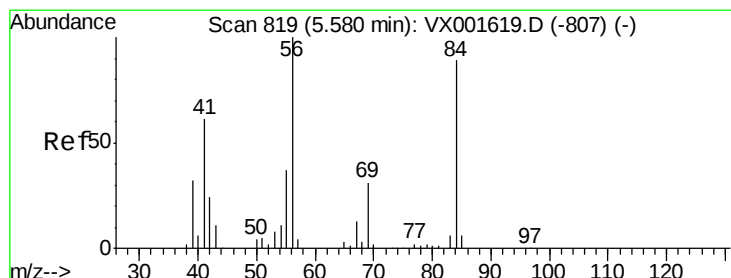
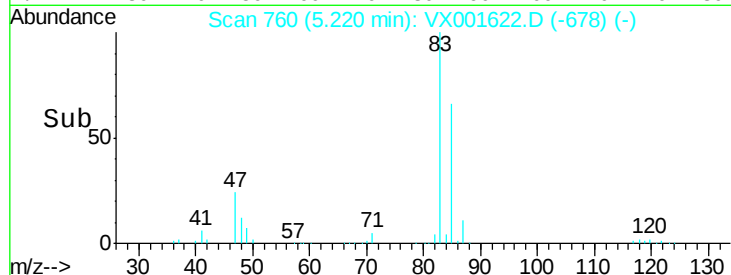
100000

50000

0

5.10 5.20 5.30 5.40

Time-->



#26

Cyclohexane

Concen: 81.06 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

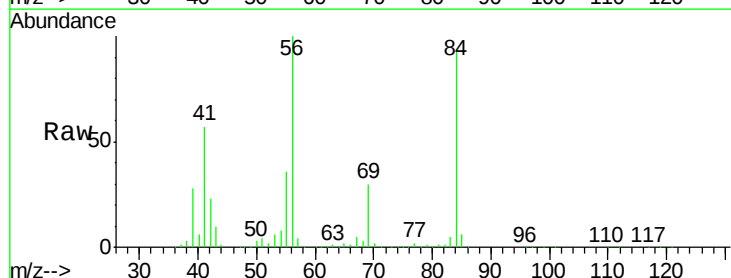
Tgt Ion: 56 Resp: 413635

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 91.1 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

300000

250000

200000

150000

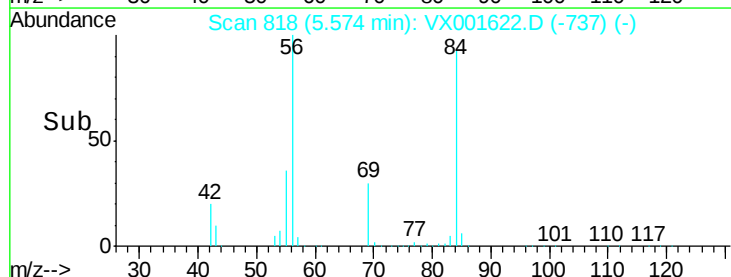
100000

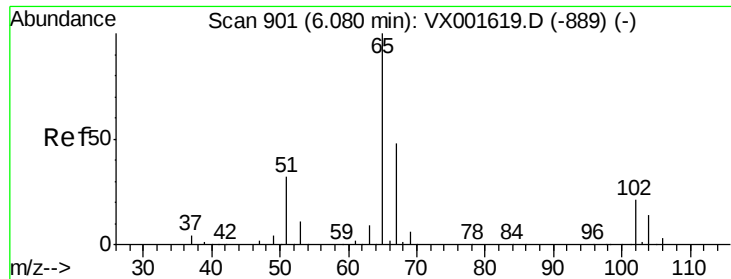
50000

0

5.50 5.60 5.70

Time-->





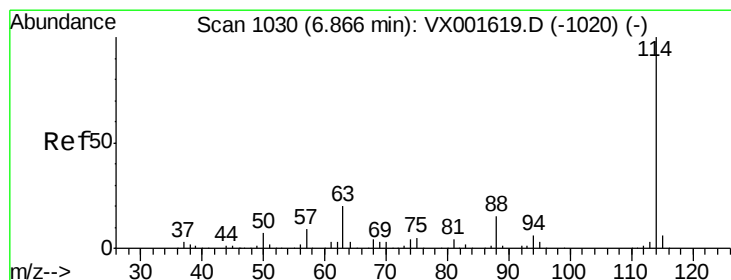
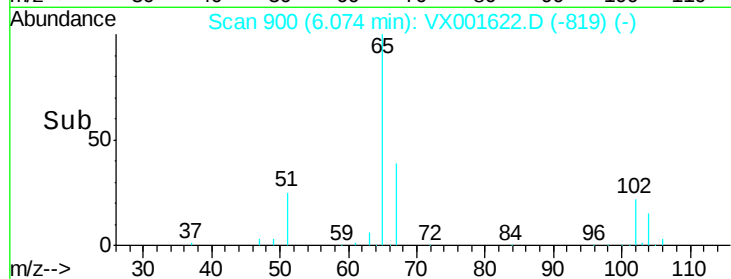
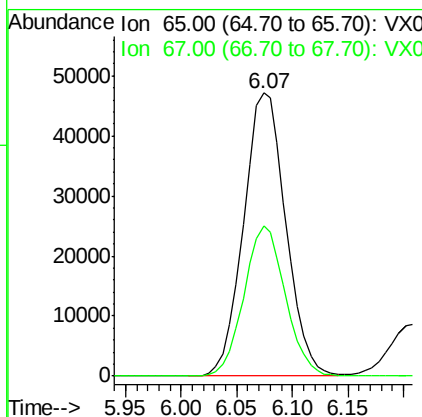
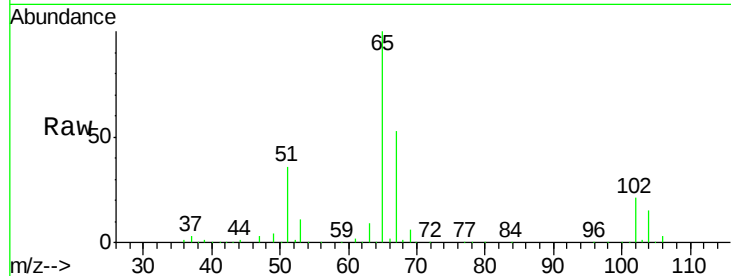
#27
 1,2-Dichloroethane-d4
 Concen: 30.18 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC150

Tot Ion: 65 Resp: 124553
 Ion Ratio Lower Upper
 65 100
 67 51.8 40.2 60.2

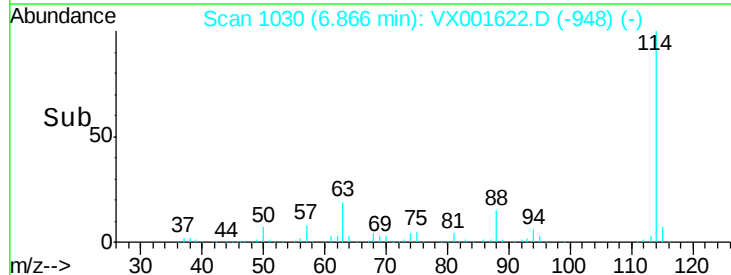
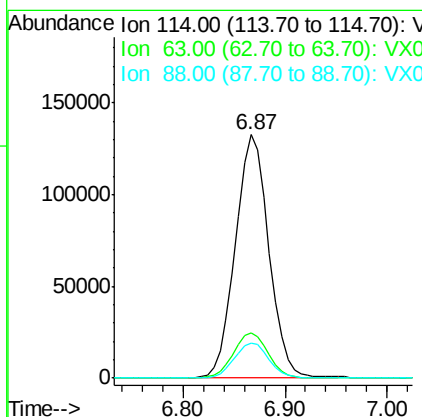
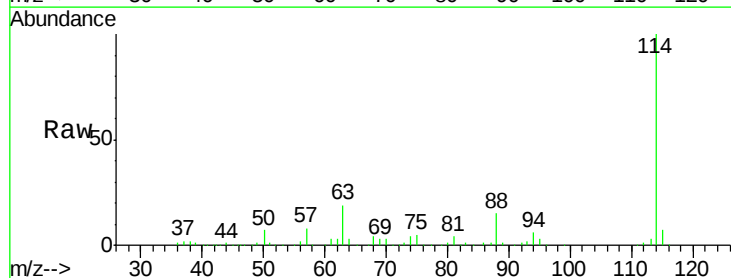
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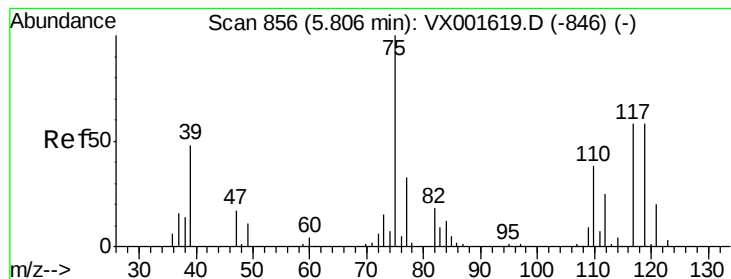
apatel
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#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion: 114 Resp: 302132
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.5 23.3
 88 14.9 12.2 18.4





#29

1,1-Dichloropropene

Concen: 95.13 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 420267

Ion Ratio Lower Upper

75 100

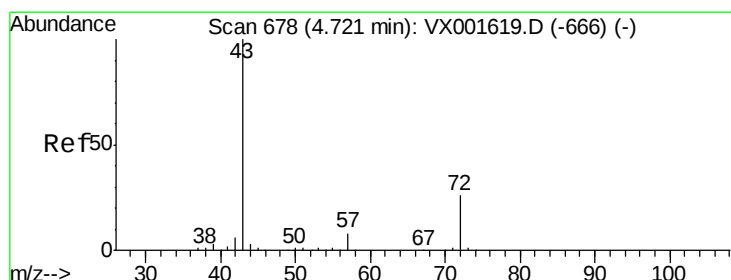
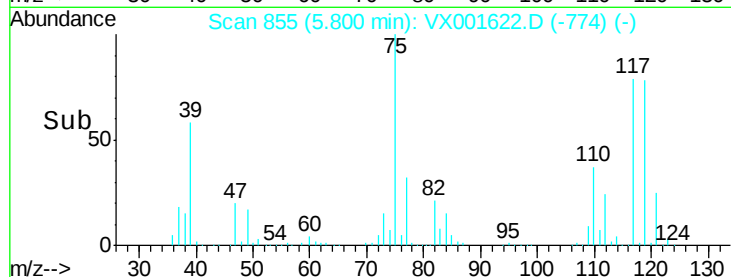
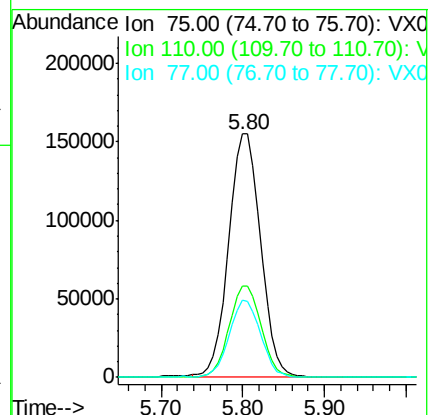
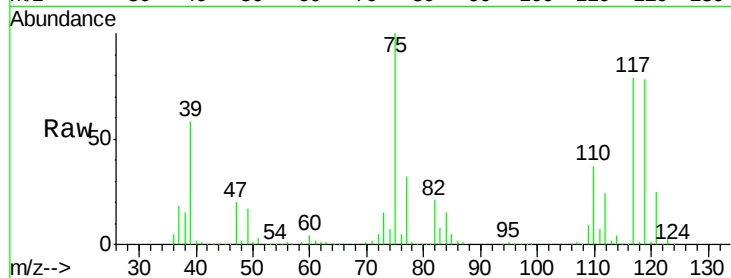
110 37.4 0.0 74.6

77 30.5 0.0 62.4

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#30

2-Butanone

Concen: 627.46 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

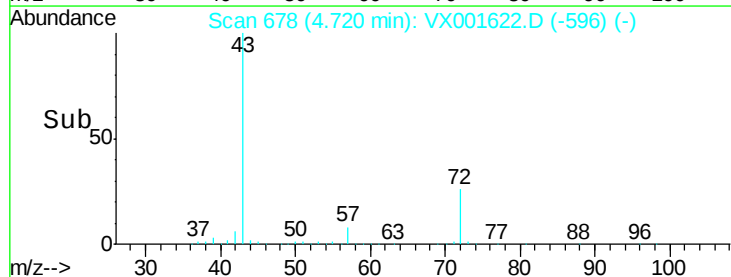
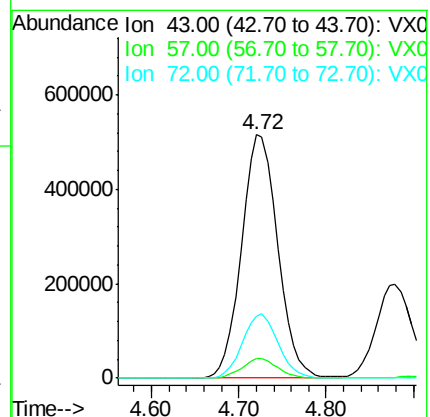
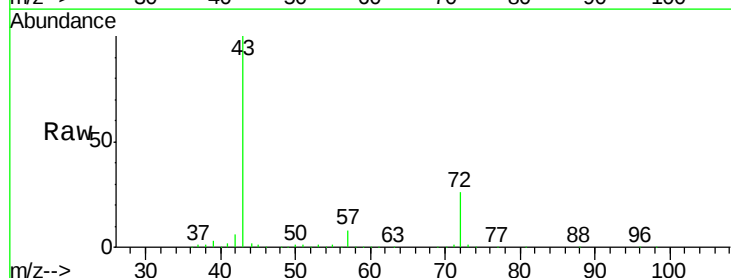
Tgt Ion: 43 Resp: 1485955

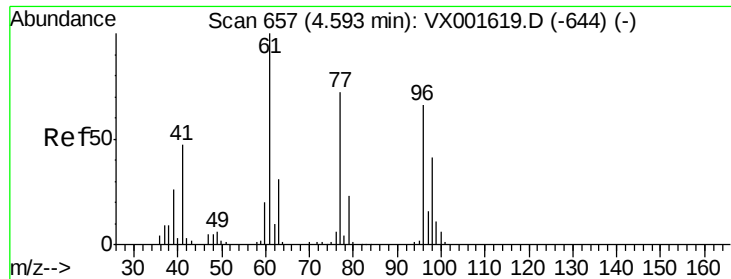
Ion Ratio Lower Upper

43 100

57 8.0 6.3 9.5

72 25.7 20.2 30.4





#31

2,2-Dichloropropane

Concen: 80.20 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 77 Resp: 369674

Ion Ratio Lower Upper

77 100

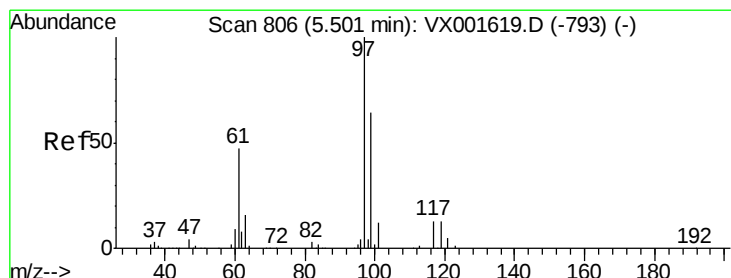
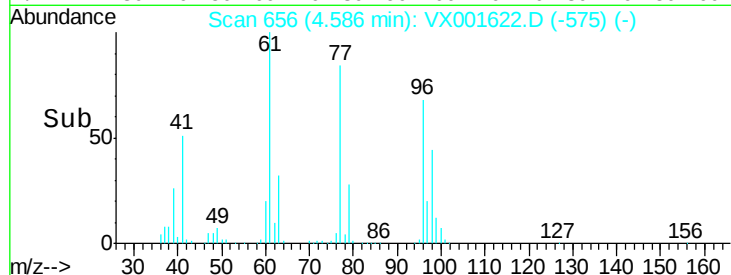
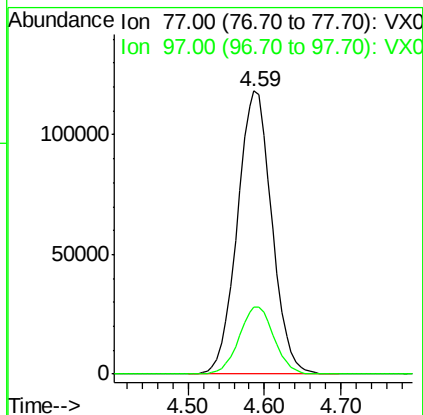
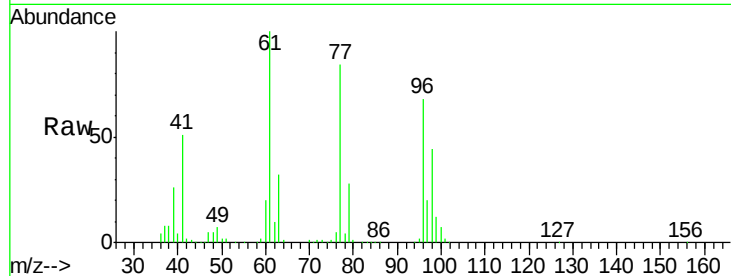
97 24.2 19.3 28.9

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#32

1,1,1-Trichloroethane

Concen: 101.44 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

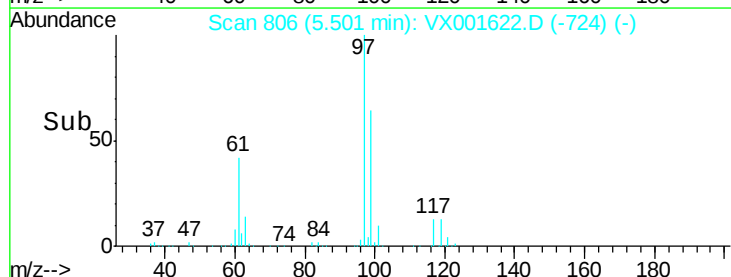
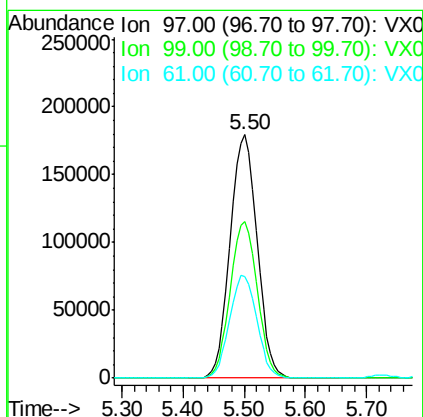
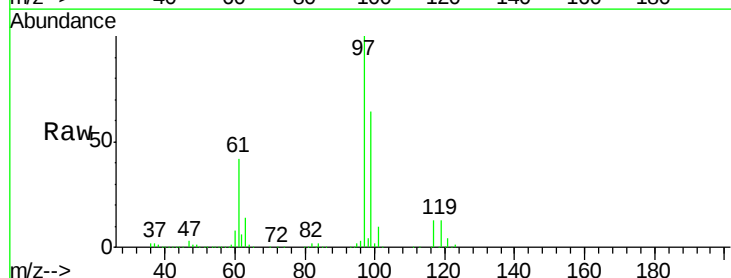
Tgt Ion: 97 Resp: 546152

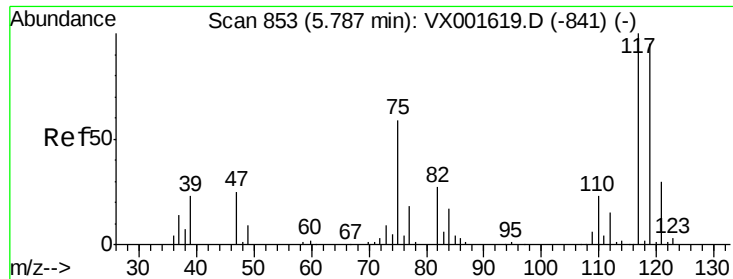
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 42.7 35.6 53.4





#33

Carbon Tetrachloride

Concen: 95.57 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

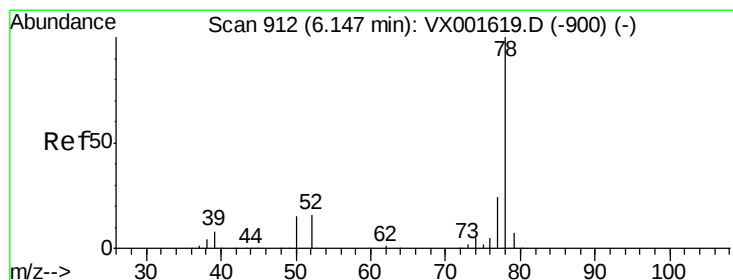
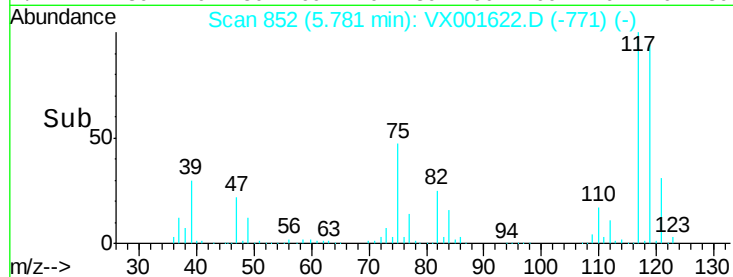
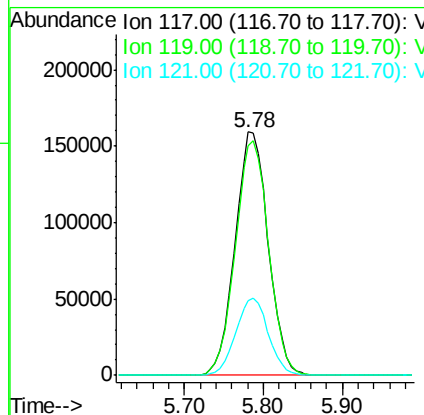
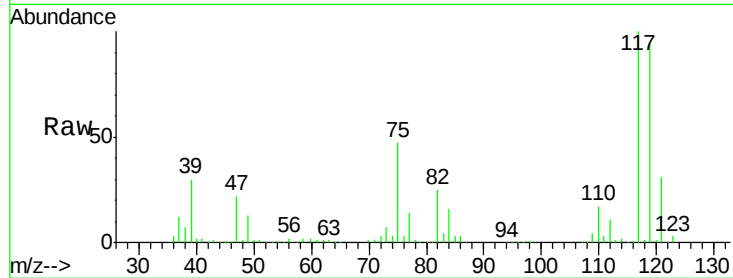
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.7	113.5
121	30.6	24.3	36.5

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#34

Benzene

Concen: 105.89 ug/l

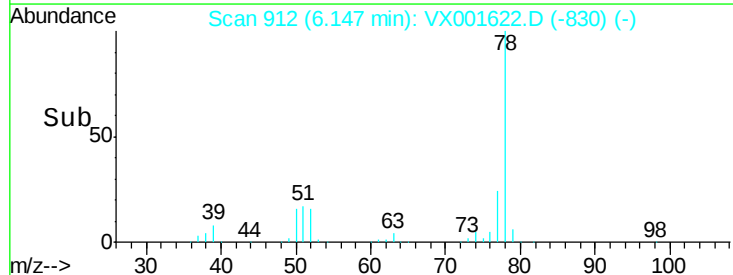
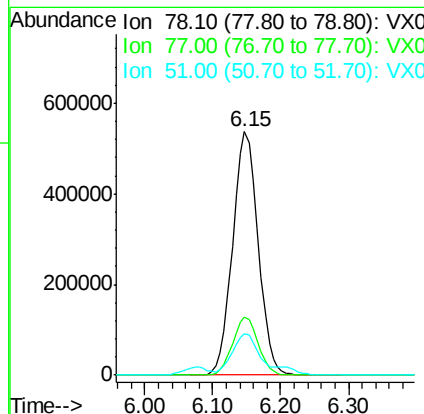
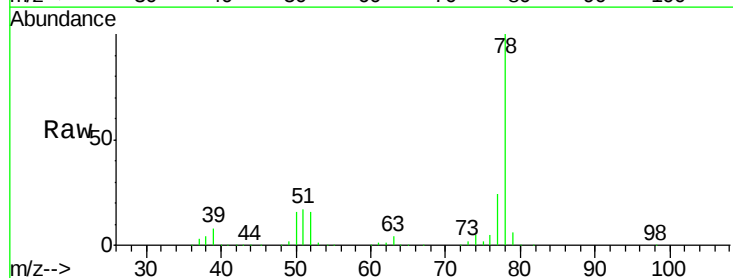
RT: 6.15 min Scan# 912

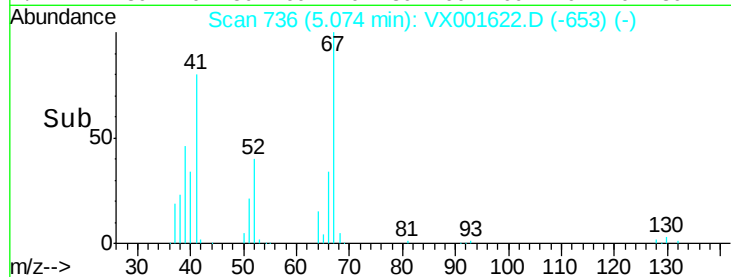
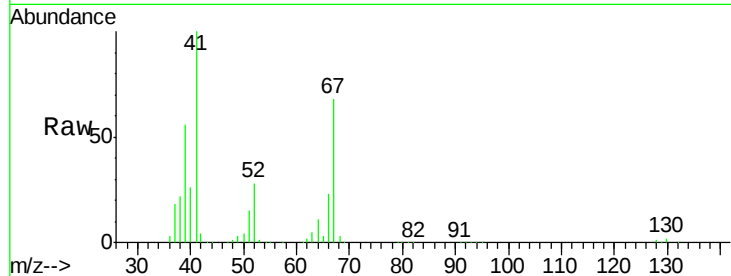
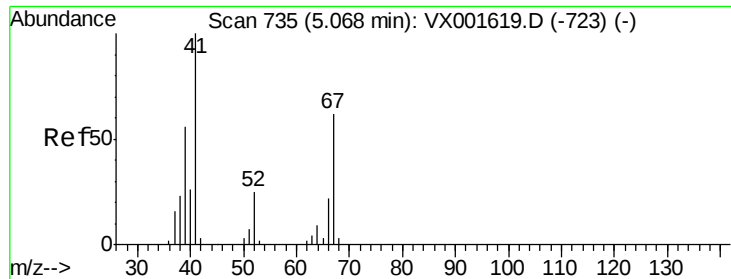
Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2
51	16.9	13.5	20.3





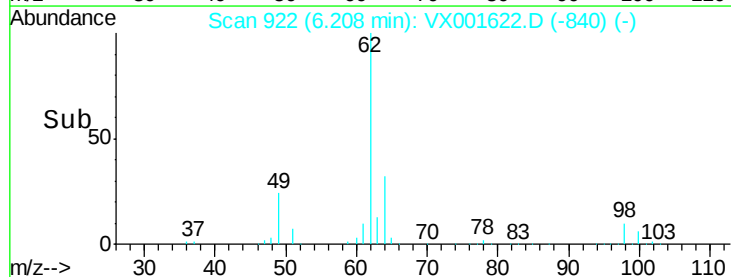
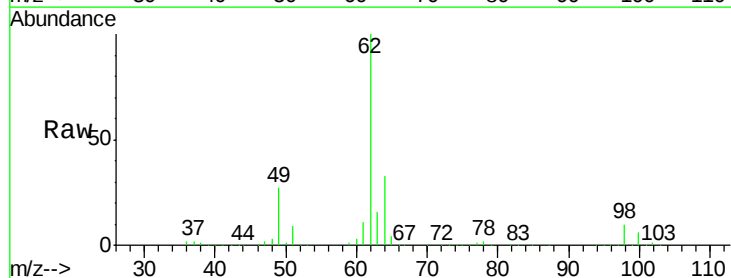
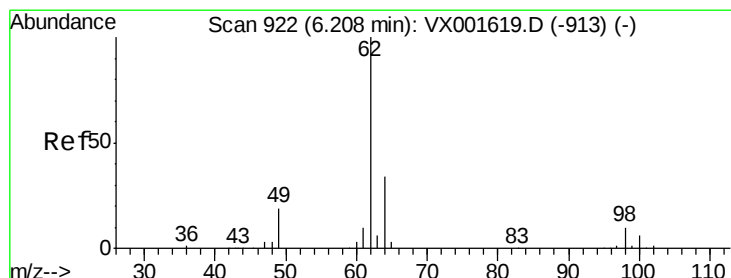
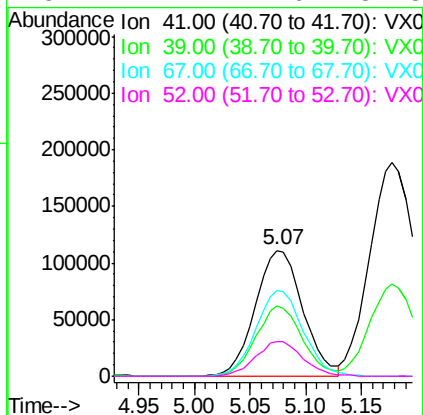
#35
Methacrylonitrile
Concen: 125.86 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	55.6	27.9	83.6	
67	68.2	30.9	92.5	
52	27.4	12.6	37.8	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

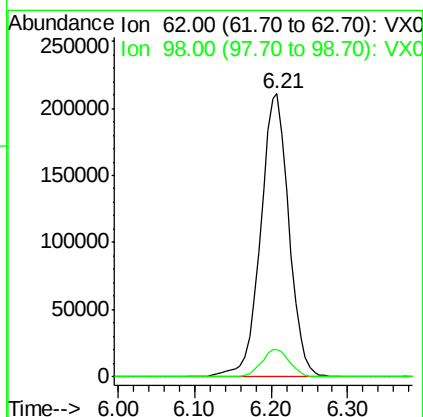
Manual Integrations
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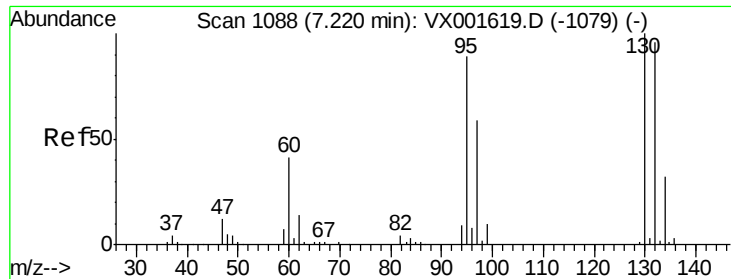
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#36
1,2-Dichloroethane
Concen: 106.17 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.7	7.7	11.5	





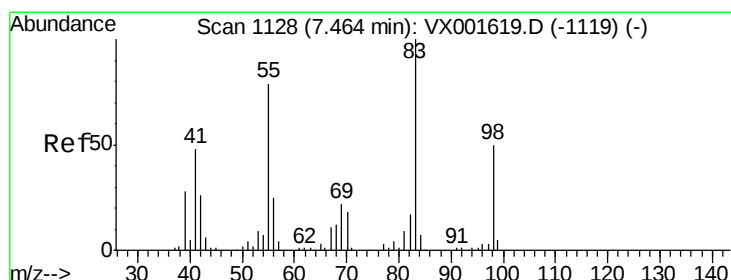
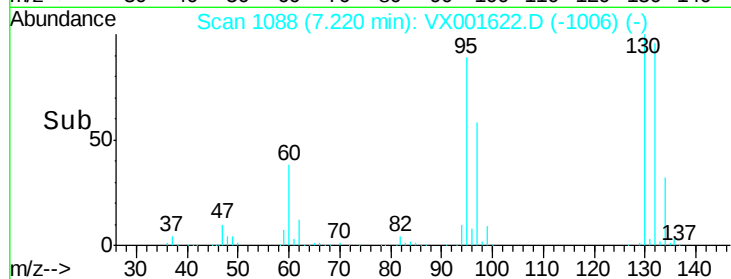
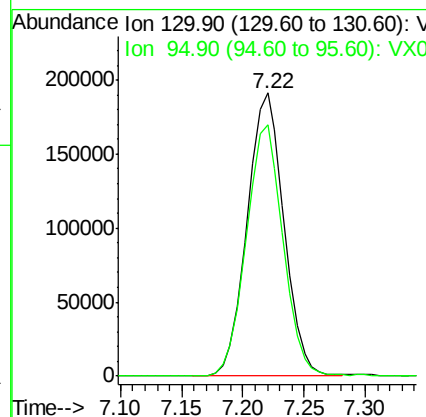
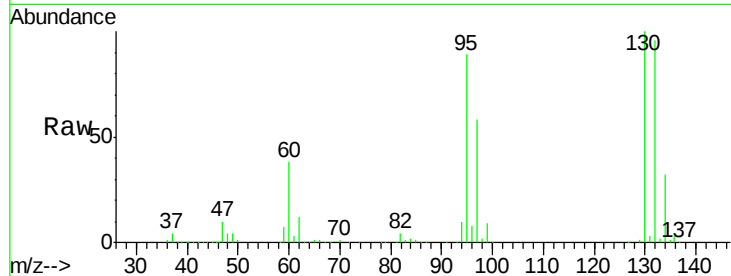
#37
 Trichloroethene
 Concen: 100.37 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 400801
 Ion Ratio Lower Upper
 130 100
 95 88.7 71.4 107.2

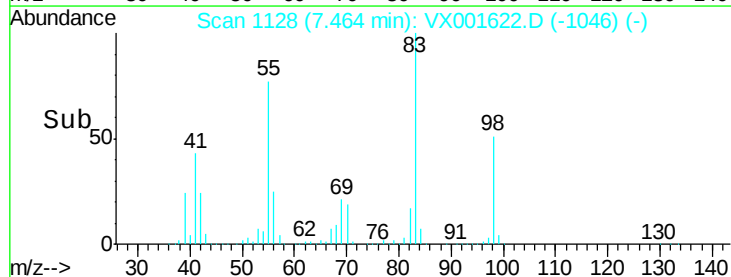
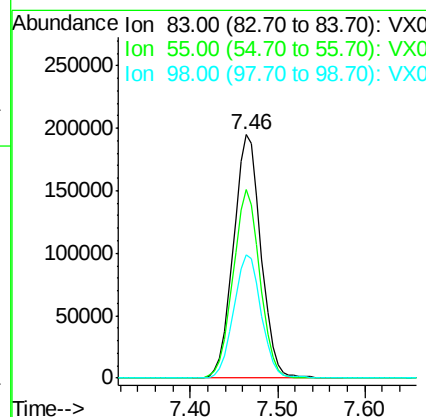
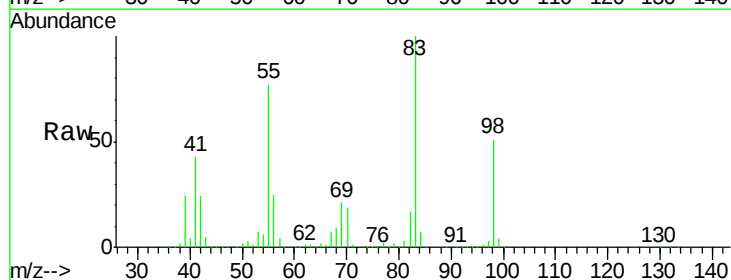
Manual Integrations
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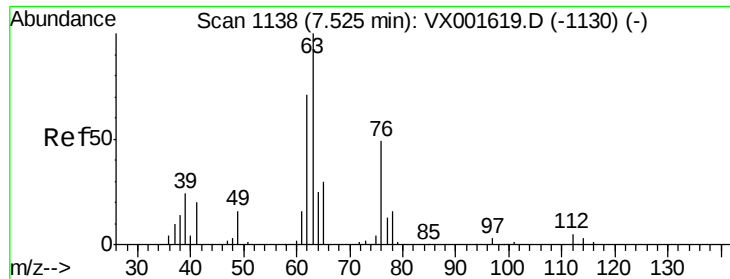
apatel
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#38
 Methylcyclohexane
 Concen: 83.25 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion: 83 Resp: 425484
 Ion Ratio Lower Upper
 83 100
 55 75.5 39.6 118.7
 98 50.5 25.0 75.0





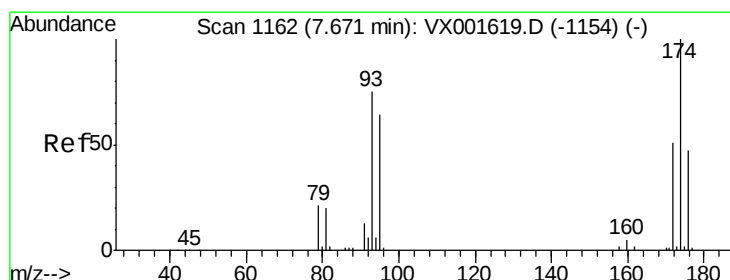
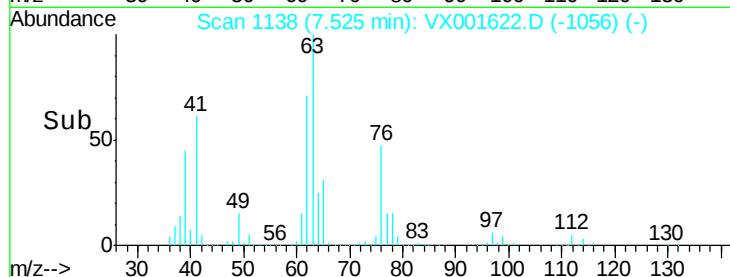
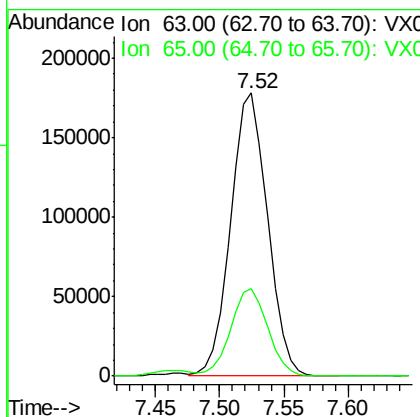
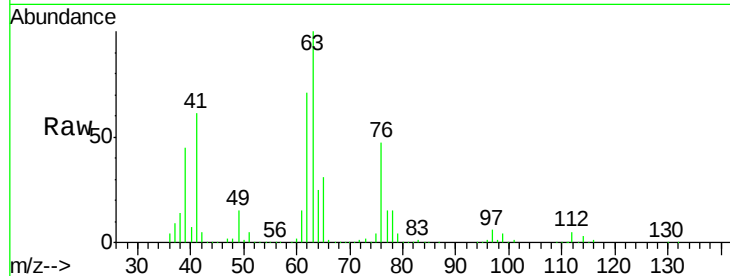
#39
 1,2-Dichloropropane
 Concen: 106.16 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.3	37.9

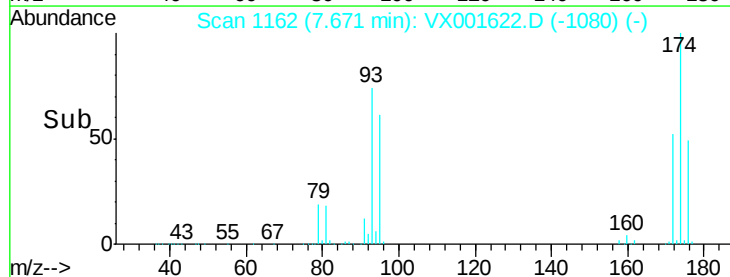
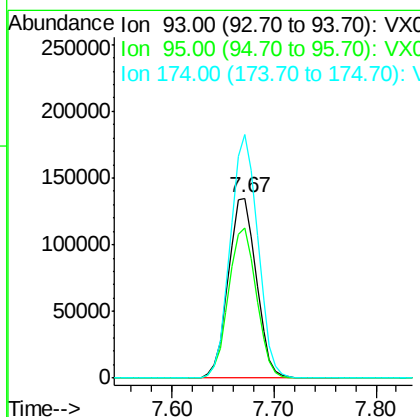
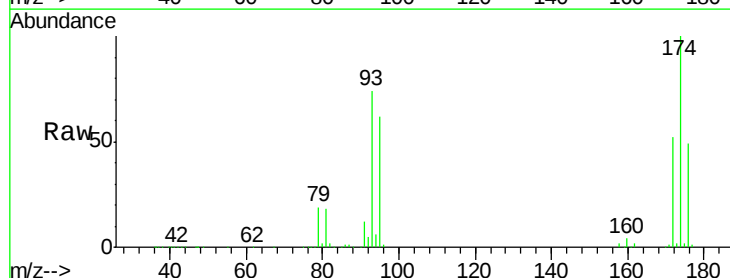
Manual Integrations
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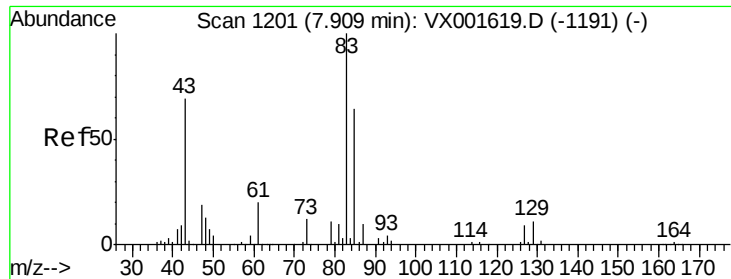
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#40
 Dibromomethane
 Concen: 108.74 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	0.0	166.2
174	133.0	0.0	259.2





#41

Bromodichloromethane

Concen: 111.83 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

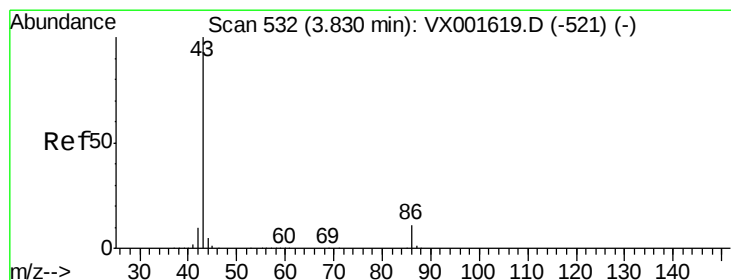
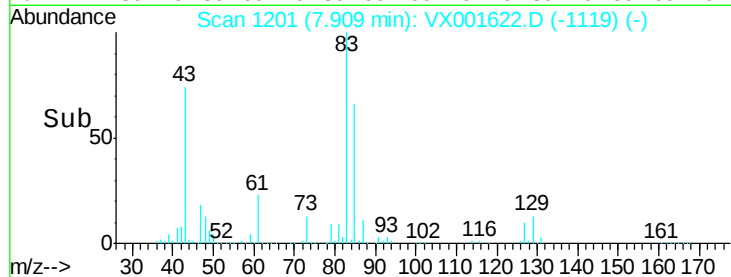
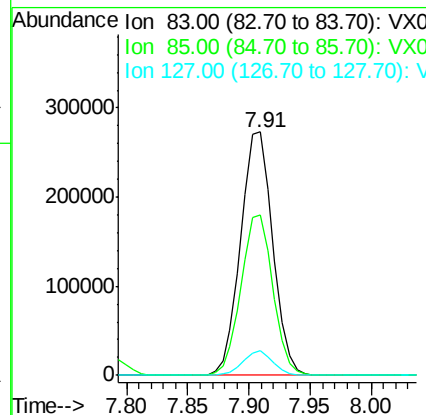
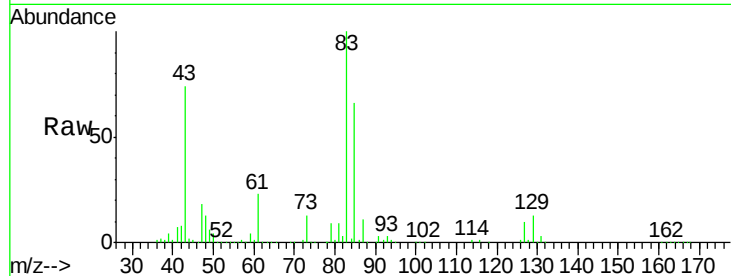
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	498862
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.3	76.9
127	10.0	7.5	11.3

Manual Integrations
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#42

Vinyl Acetate

Concen: 571.61 ug/l

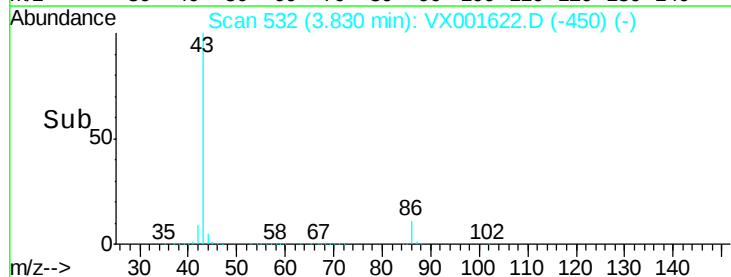
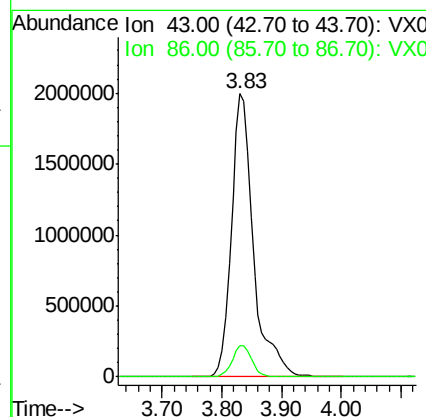
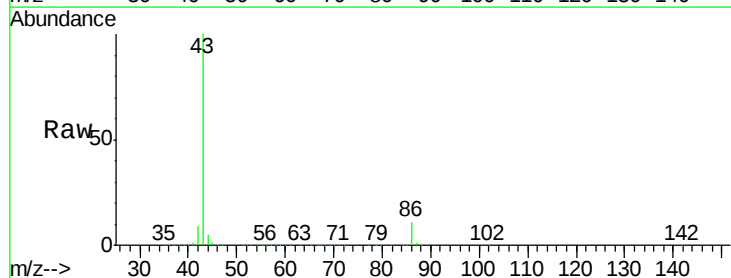
RT: 3.83 min Scan# 532

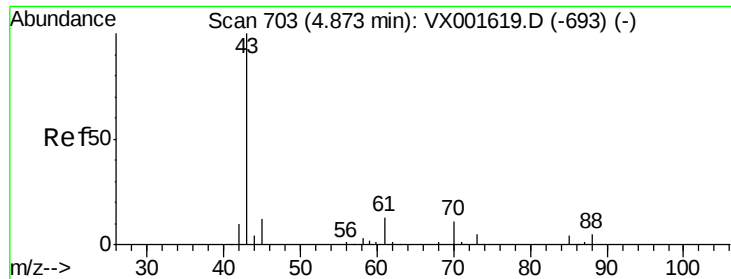
Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Tgt Ion:	43	Resp:	5122481
Ion Ratio	Lower	Upper	
43	100		
86	9.8	7.4	11.2





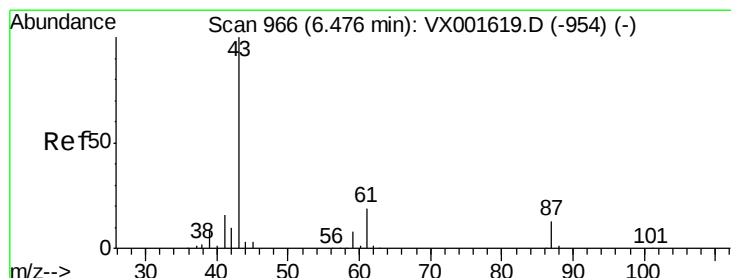
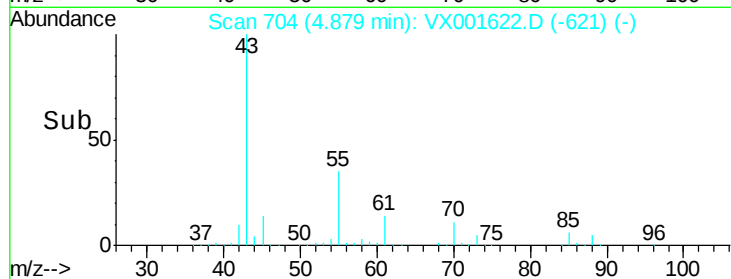
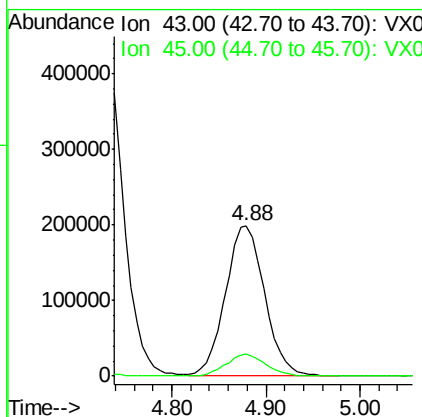
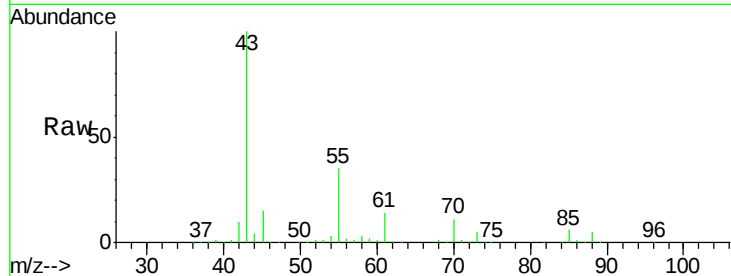
#43
Ethyl Acetate
Concen: 126.17 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 577490
Ion Ratio Lower Upper
43 100
45 14.9 12.7 19.1

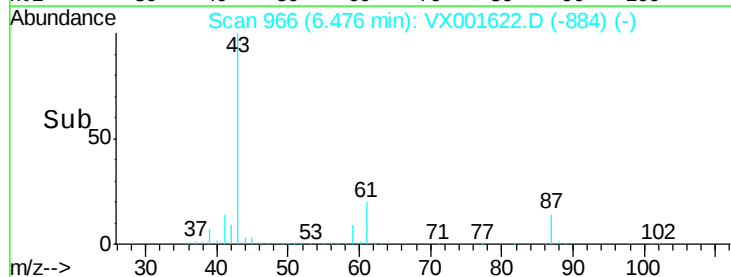
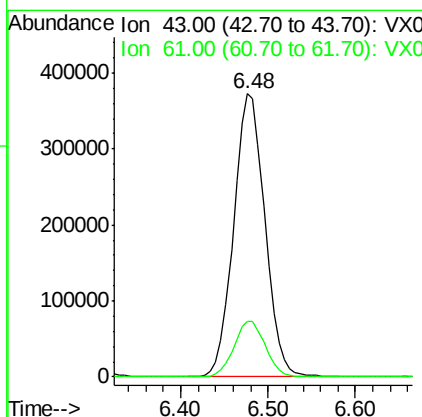
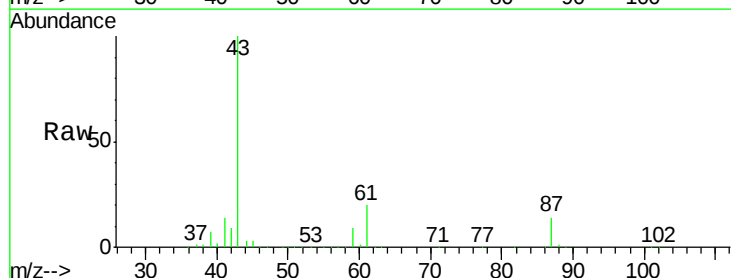
Manual Integrations
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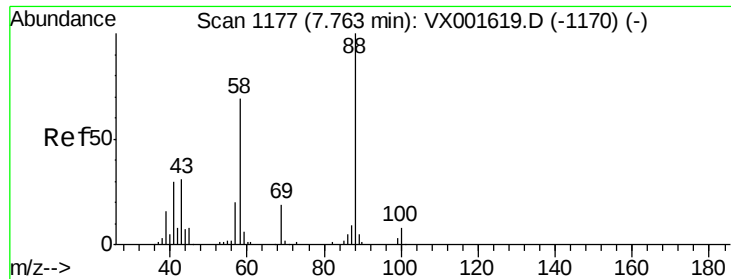
apatel
5/14/2018 3:57:39 PM



#44
Isopropyl Acetate
Concen: 121.35 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion: 43 Resp: 919828
Ion Ratio Lower Upper
43 100
61 19.9 15.1 22.7





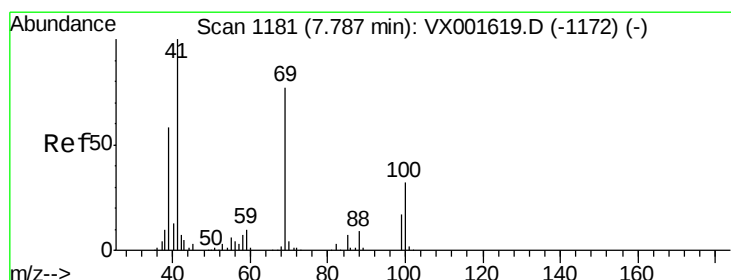
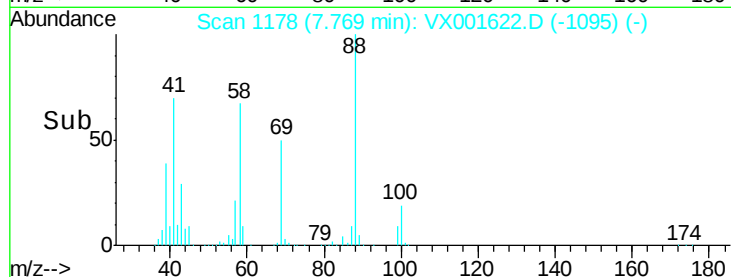
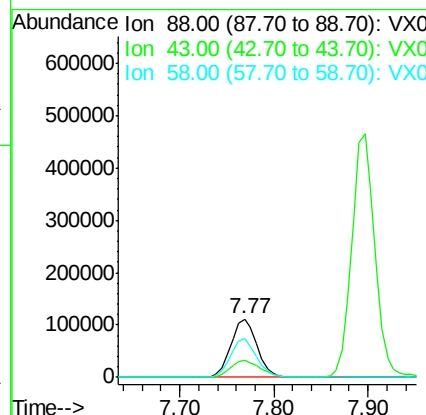
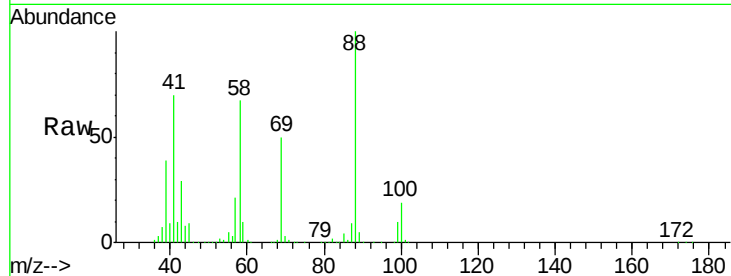
#45
 1,4-Dioxane
 Concen: 2875.66 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.1	27.9	41.9	
58	67.2	55.3	82.9	

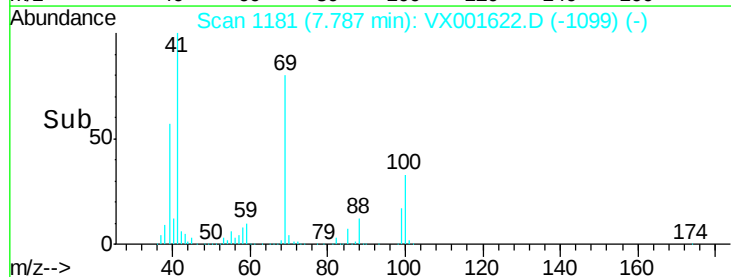
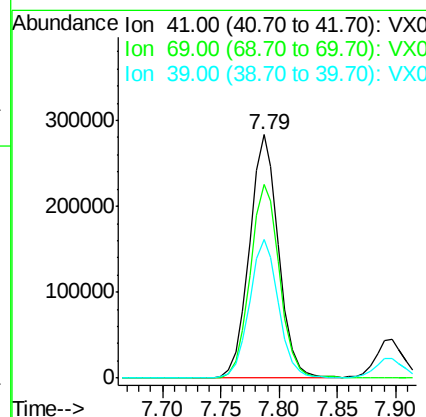
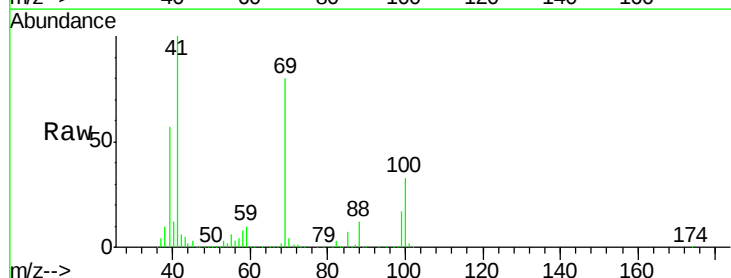
Manual Integrations
 APPROVED

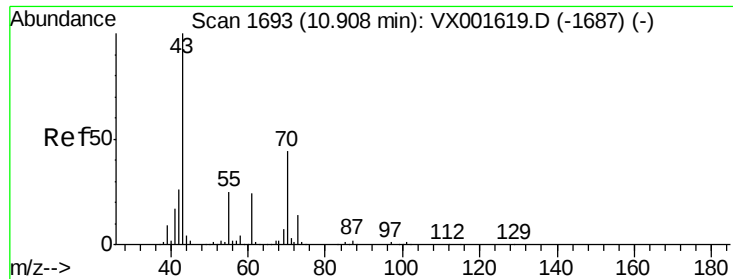
apatel
 5/14/2018 3:57:39 PM



#46
 Methyl methacrylate
 Concen: 123.62 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.7	38.4	115.2	
39	56.8	29.0	87.1	





#47

n-amvl Acetate

Concen: 114.26 ug/l

RT: 10.91 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 816900

Ion Ratio Lower Upper

43 100

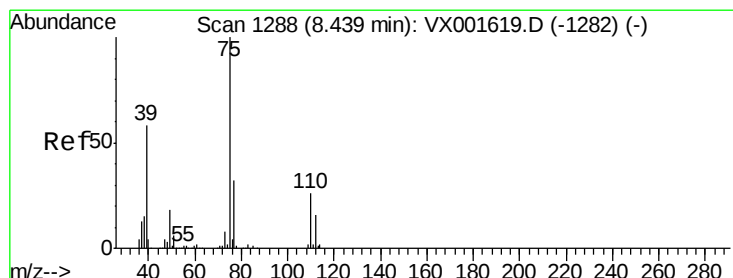
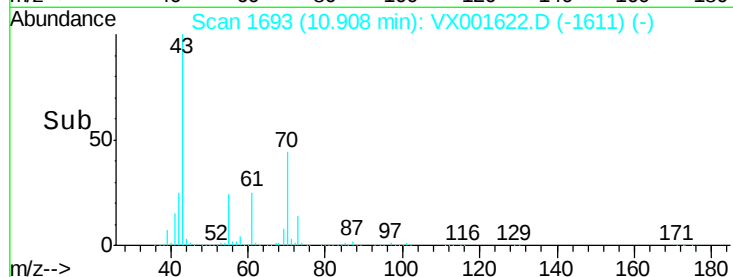
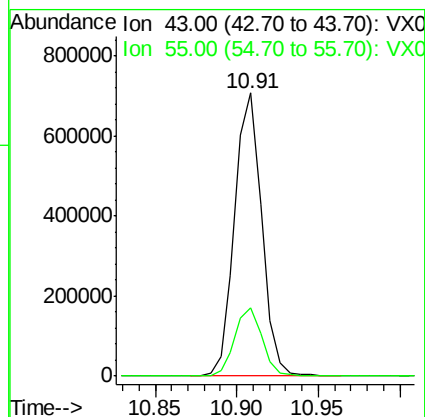
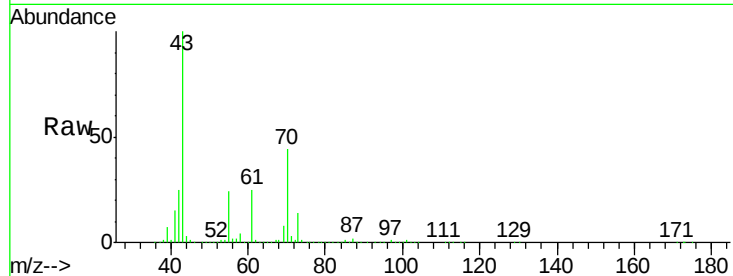
55 24.4 20.8 31.2

Manual Integrations

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apatel

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#48

t-1,3-Dichloropropene

Concen: 111.48 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001622.D

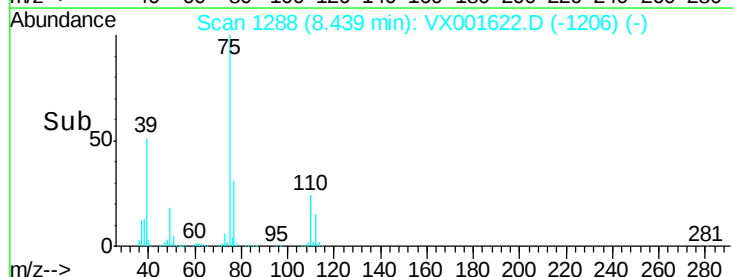
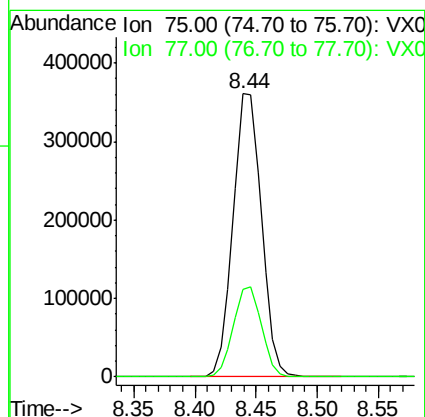
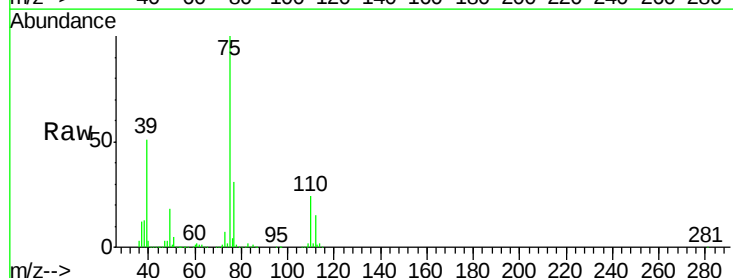
Acq: 11 May 2018 00:49

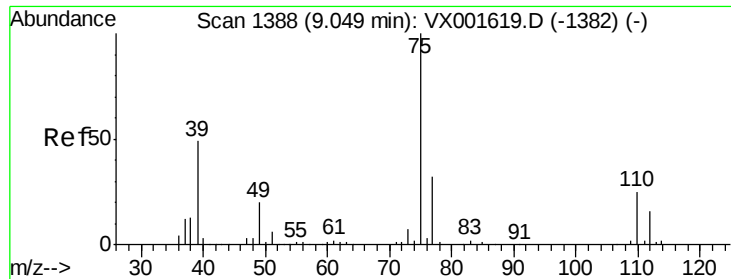
Tgt Ion: 75 Resp: 579151

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3





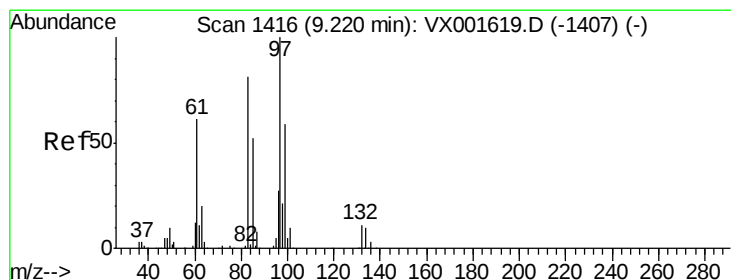
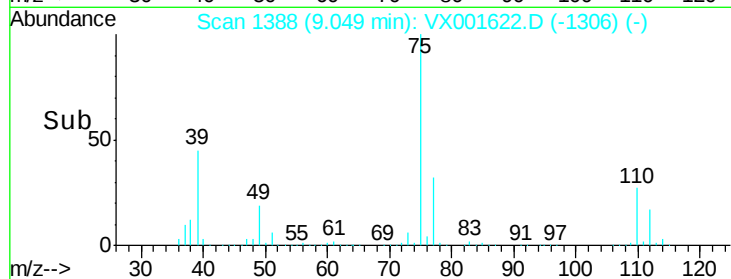
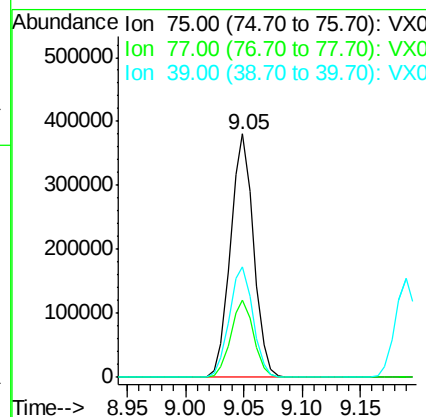
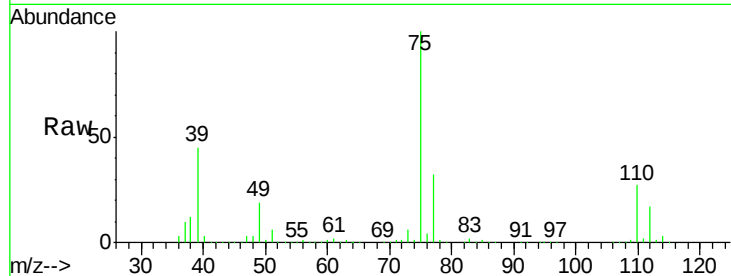
#49
 cis-1,3-Dichloropropene
 Concen: 106.88 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
75	100		
77	31.8	25.8	38.6
39	45.4	39.4	59.0

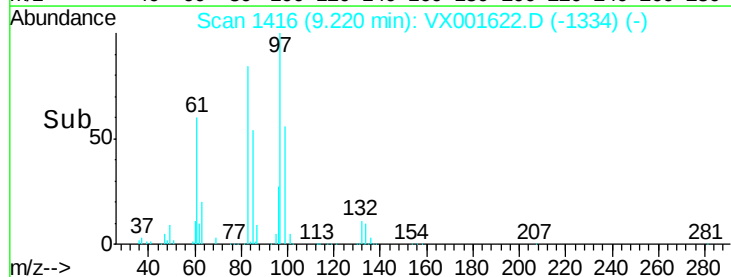
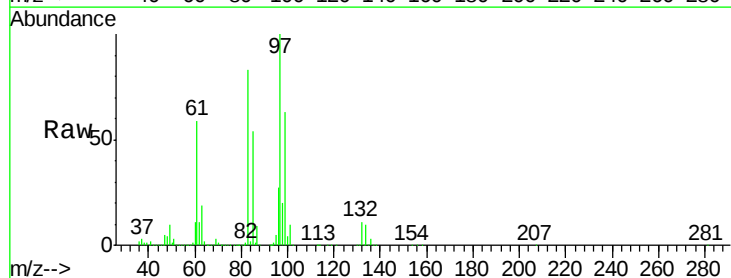
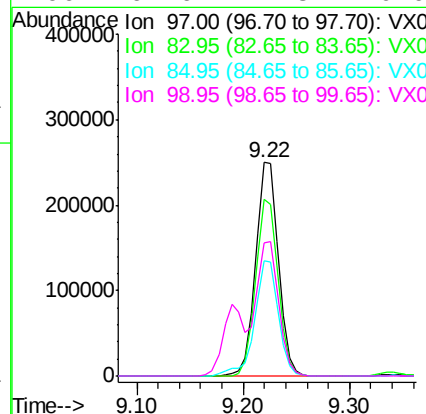
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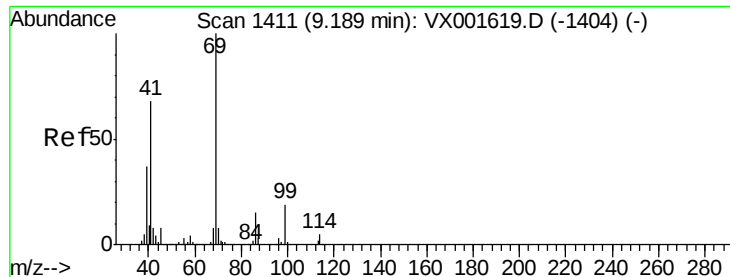
apatel
 5/14/2018 3:57:39 PM



#50
 1,1,2-Trichloroethane
 Concen: 107.20 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
83	82.6	65.0	97.6
85	54.0	41.5	62.3
99	62.6	47.3	70.9





#51

Ethyl methacrylate

Concen: 119.30 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

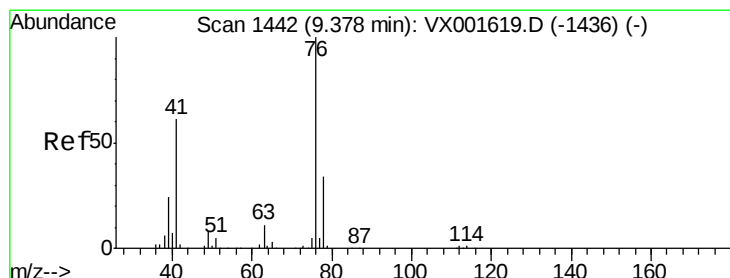
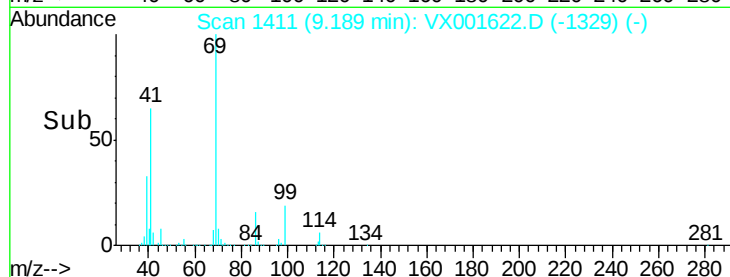
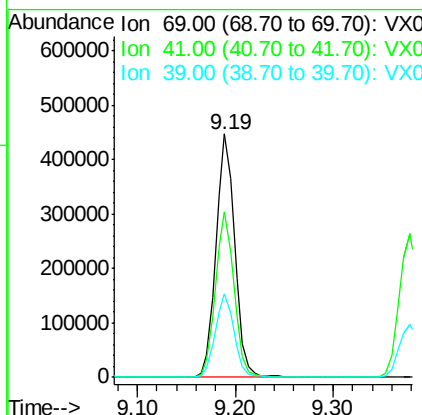
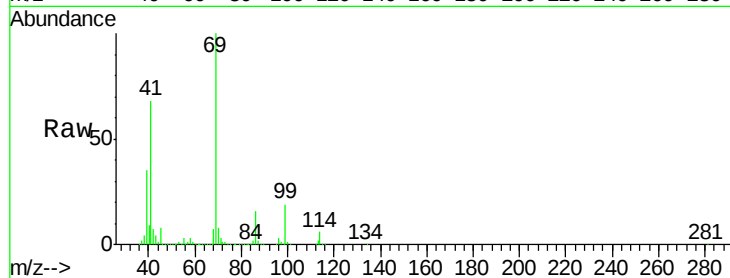
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	596250
Ion	Ratio	Lower	Upper
69	100		
41	68.0	33.9	101.6
39	34.5	18.4	55.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 108.88 ug/l

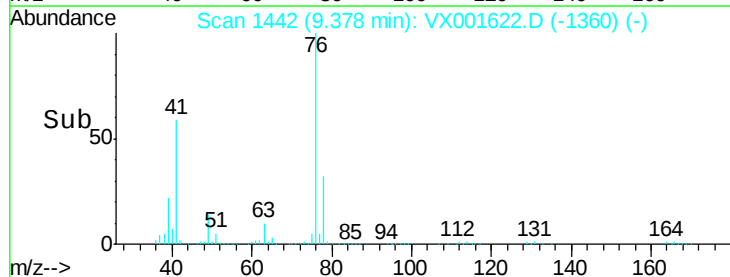
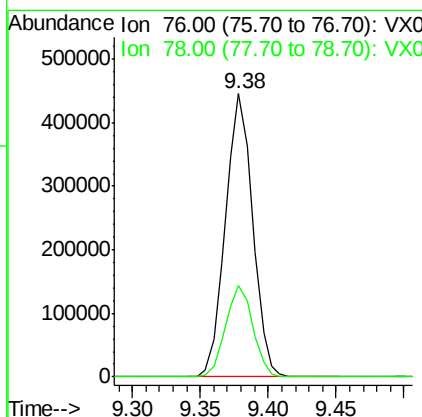
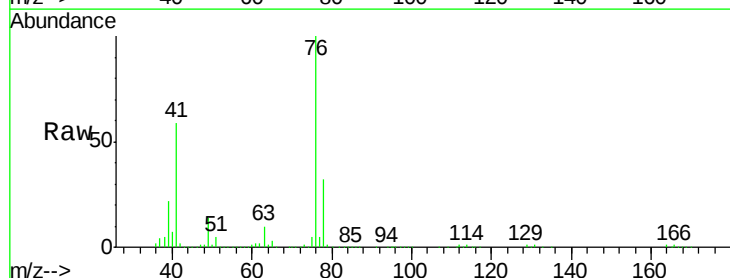
RT: 9.38 min Scan# 1442

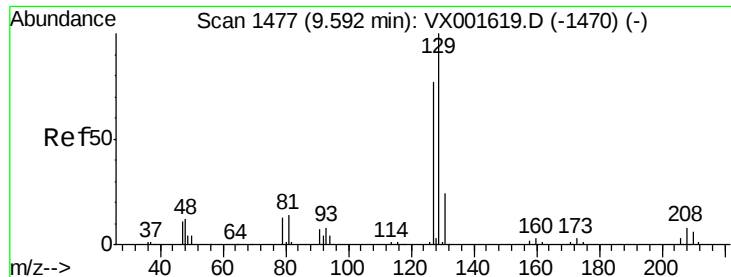
Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Tgt Ion:	76	Resp:	619773
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	65.8





#53

Dibromochloromethane

Concen: 110.62 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 424941

Ion Ratio Lower Upper

129 100

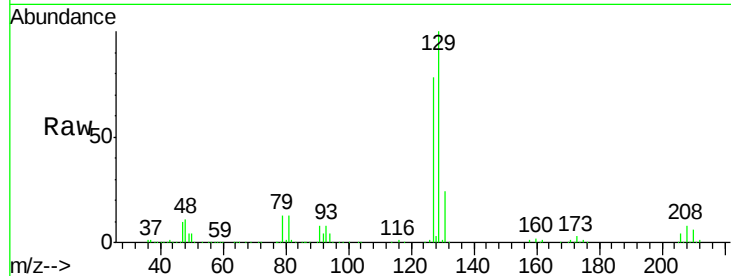
127 77.0 37.9 113.7

Manual Integrations

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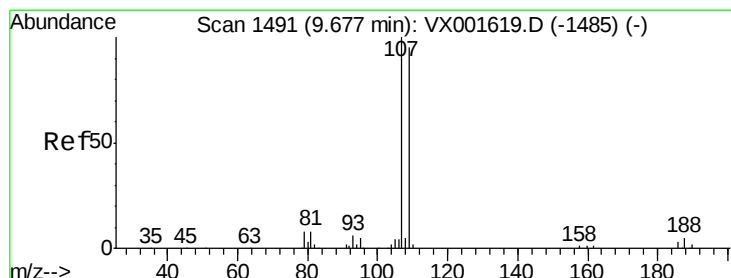
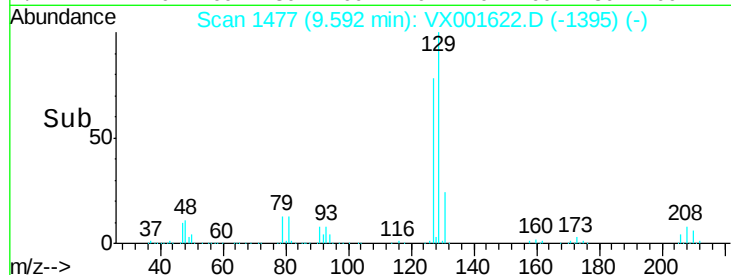
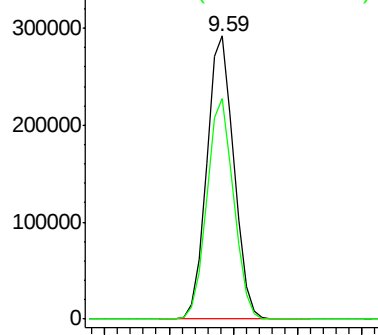
apatel

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 107.18 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001622.D

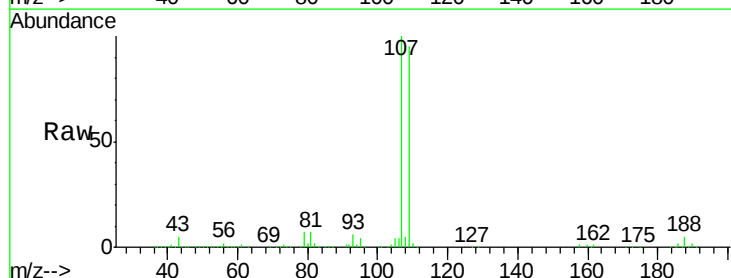
Acq: 11 May 2018 00:49

Tgt Ion:107 Resp: 404254

Ion Ratio Lower Upper

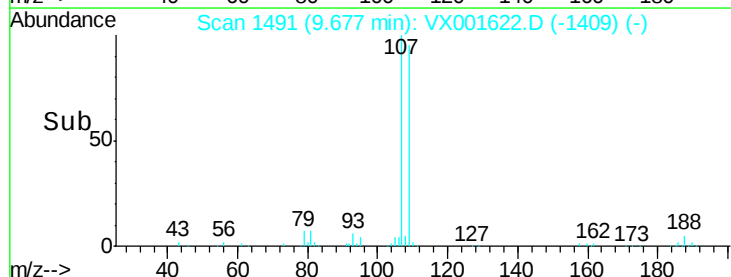
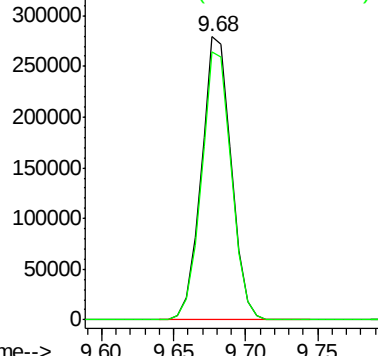
107 100

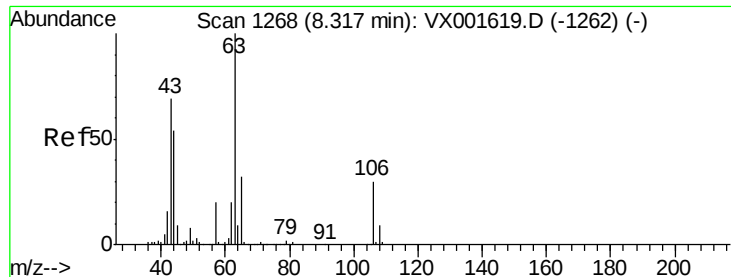
109 94.8 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





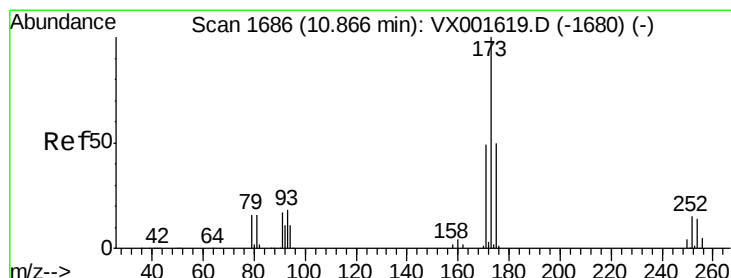
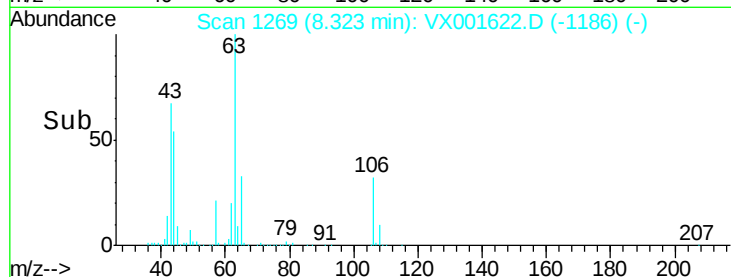
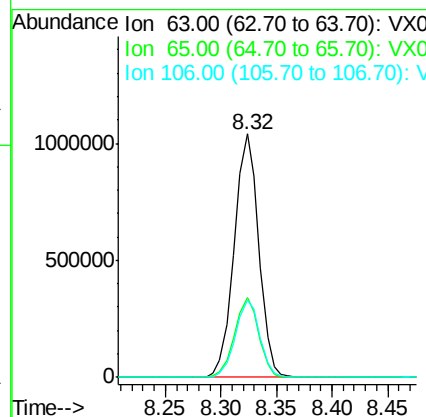
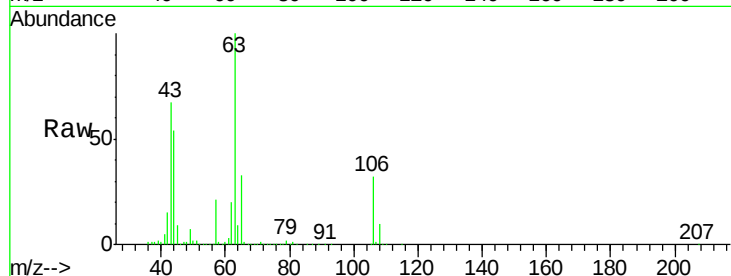
#55
2-Chloroethyl vinyl ether
Concen: 636.84 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. 0.01 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 63 Resp: 1585624
Ion Ratio Lower Upper
63 100
65 32.3 25.8 38.8
106 31.6 24.8 37.2

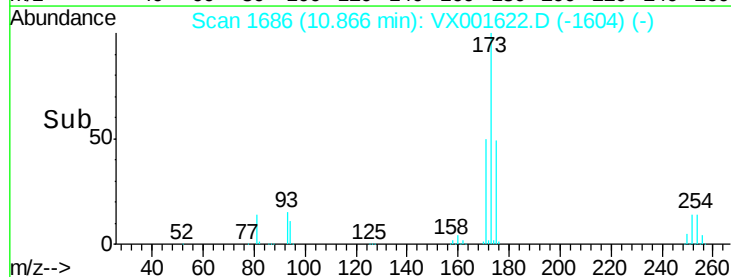
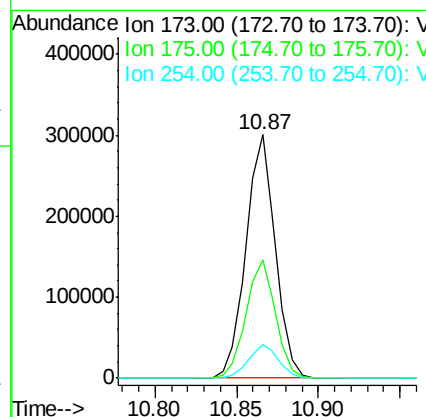
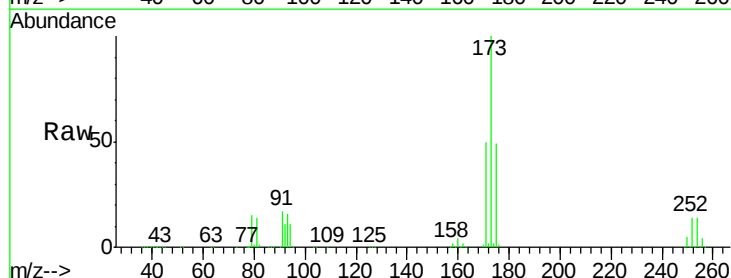
Manual Integrations
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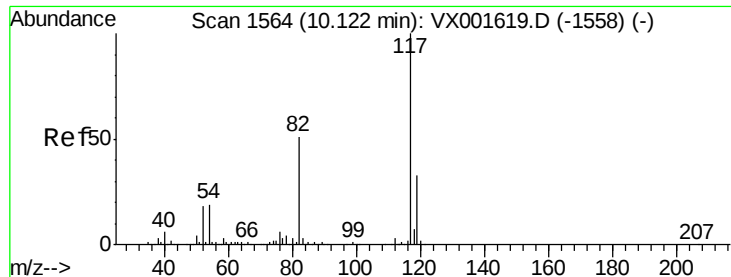
apatel
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#56
Bromoform
Concen: 119.76 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion: 173 Resp: 377210
Ion Ratio Lower Upper
173 100
175 48.7 39.8 59.8
254 13.9 10.7 16.1





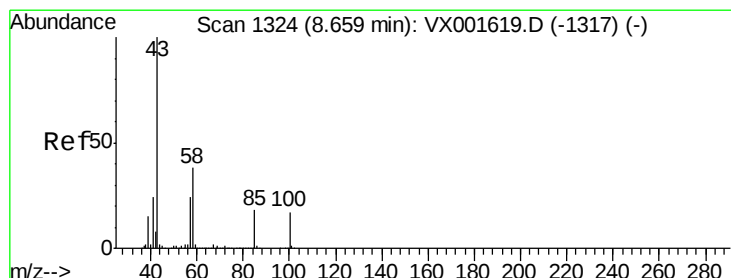
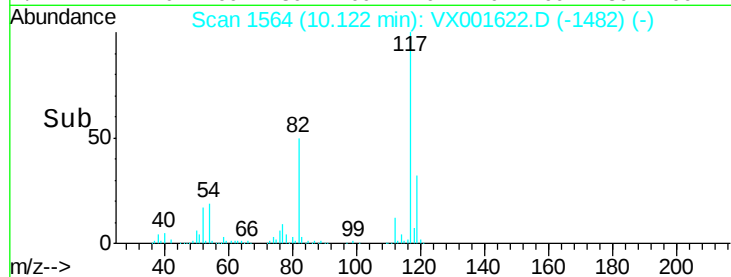
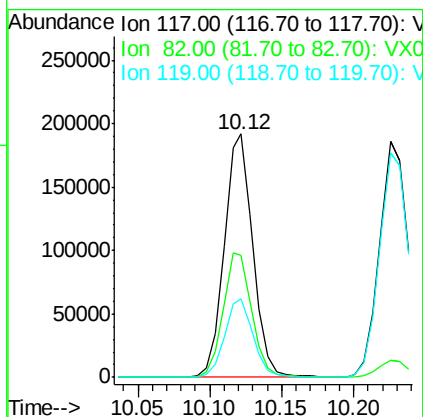
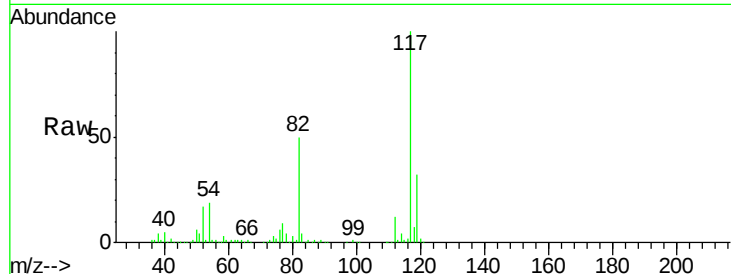
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	266250		
82	51.9	42.2	63.2	
119	32.3	26.3	39.5	

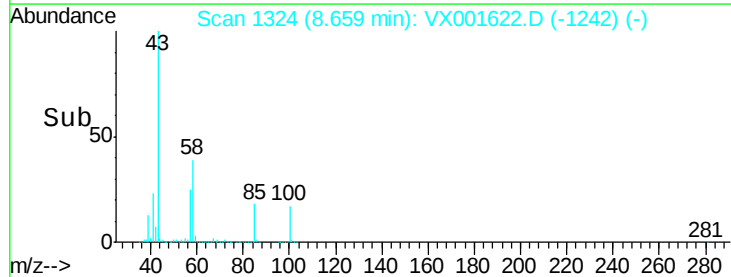
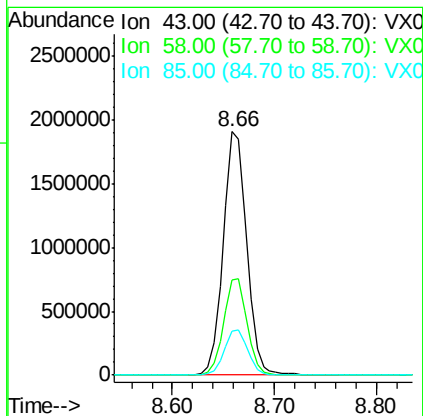
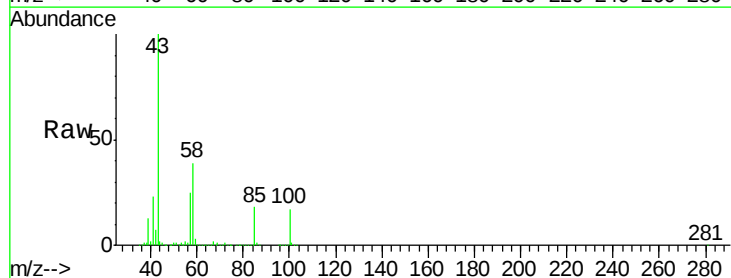
Manual Integrations
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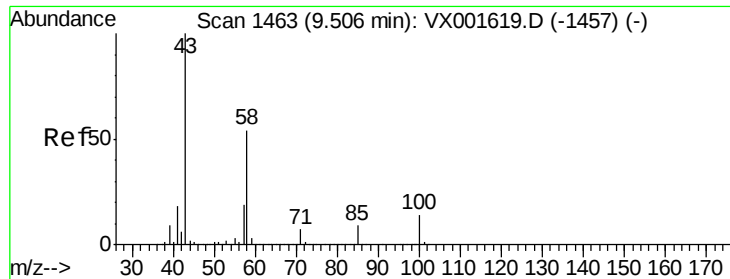
apatel
5/14/2018 3:57:39 PM



#58
4-Methyl-2-Pentanone
Concen: 669.33 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	3052149		
58	39.6	30.4	45.6	
85	18.5	14.3	21.5	





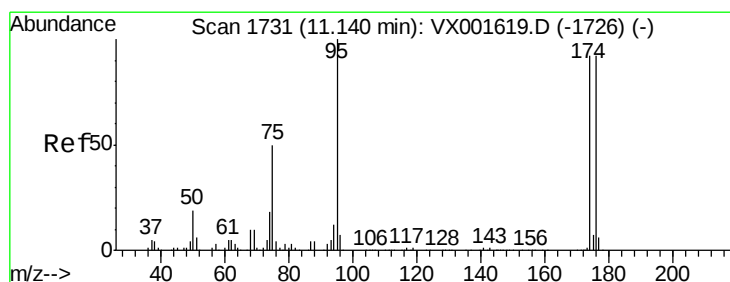
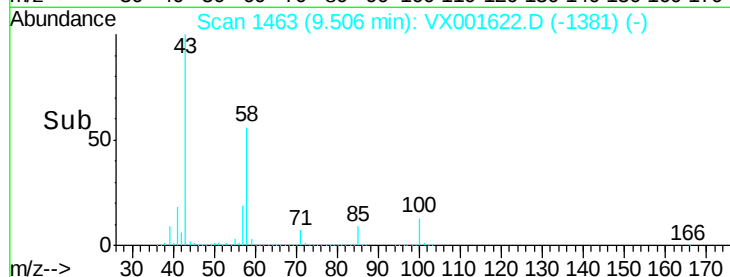
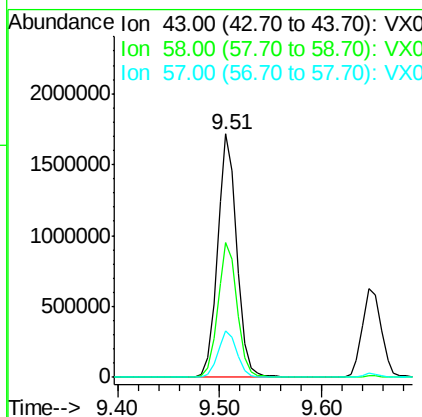
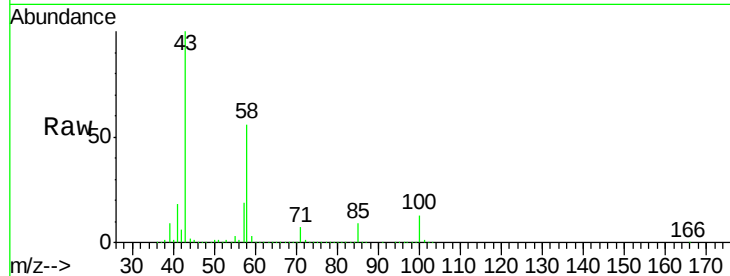
#59
2-Hexanone
Concen: 644.08 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2273160
Ion Ratio Lower Upper
43 100
58 55.6 43.0 64.4
57 19.3 15.4 23.0

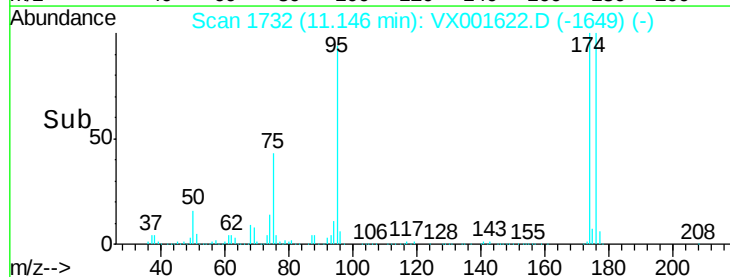
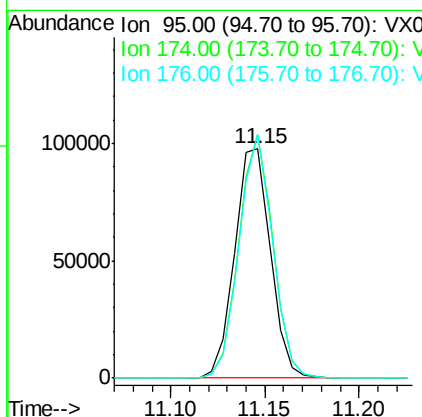
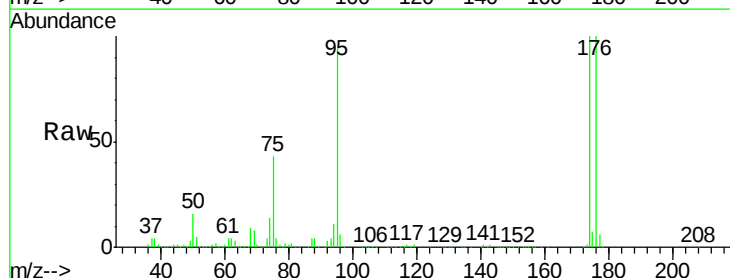
Manual Integrations
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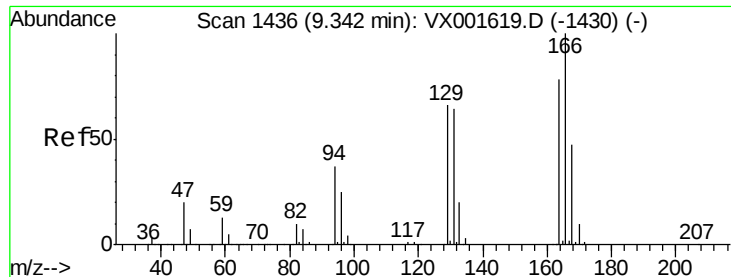
apatel
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#60
4-Bromofluorobenzene
Concen: 29.12 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion: 95 Resp: 129124
Ion Ratio Lower Upper
95 100
174 101.1 80.2 120.2
176 99.6 79.2 118.8





#61

Tetrachloroethene

Concen: 102.03 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 414613

Ion Ratio Lower Upper

164 100

166 127.9 102.8 154.2

129 82.5 67.8 101.8

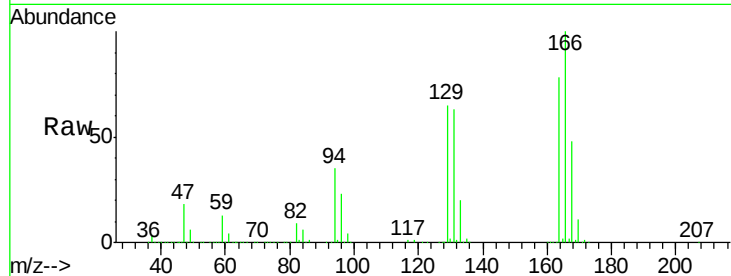
131 80.0 66.2 99.2

Manual Integrations

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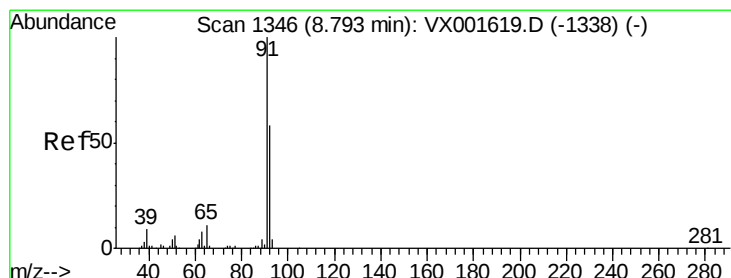
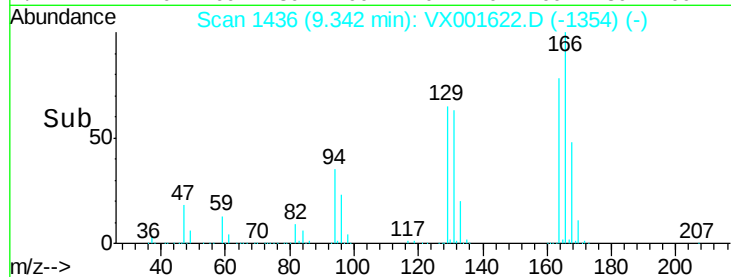
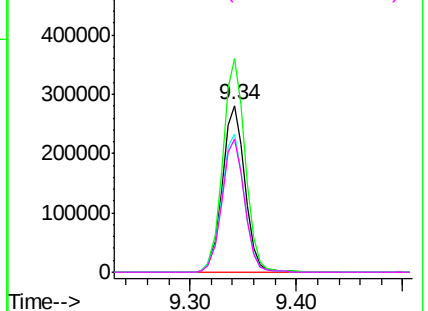


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 104.82 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001622.D

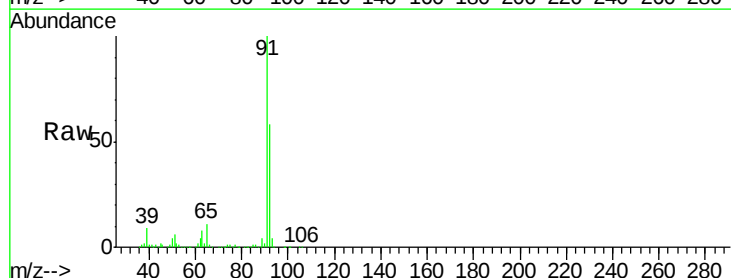
Acq: 11 May 2018 00:49

Tgt Ion: 91 Resp: 1489046

Ion Ratio Lower Upper

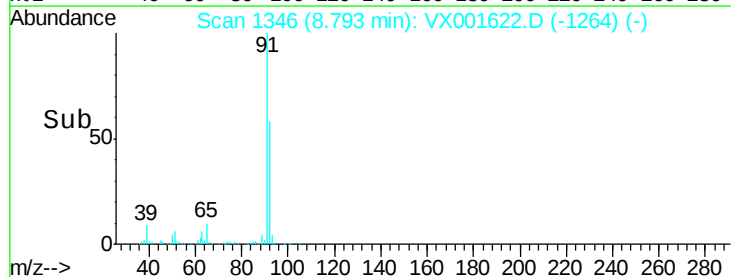
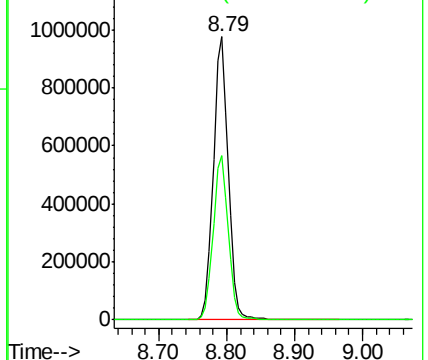
91 100

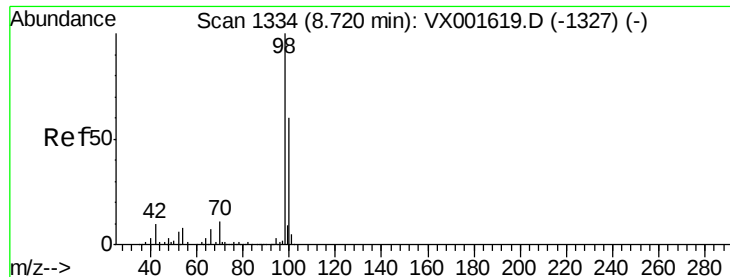
92 58.7 47.4 71.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.84 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 355738

Ion Ratio Lower Upper

98 100

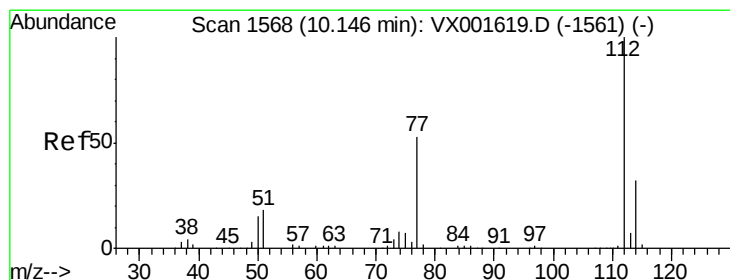
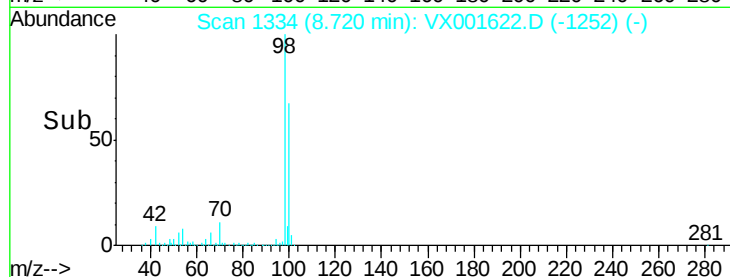
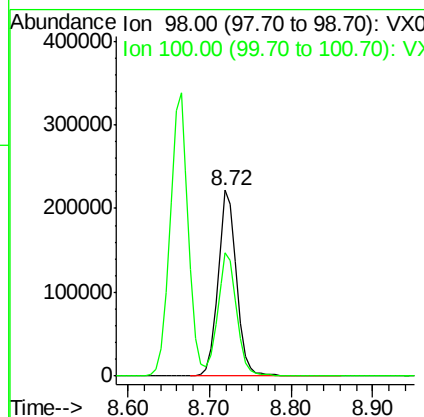
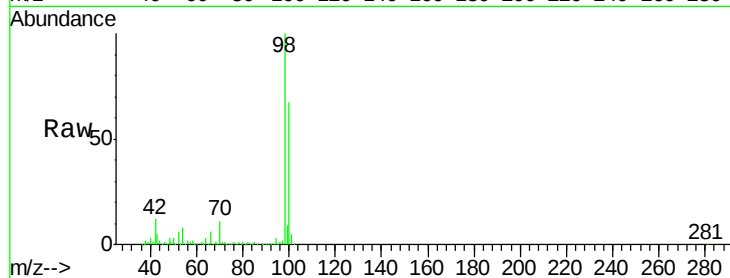
100 66.8 52.2 78.2

Manual Integrations

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#64

Chlorobenzene

Concen: 101.87 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001622.D

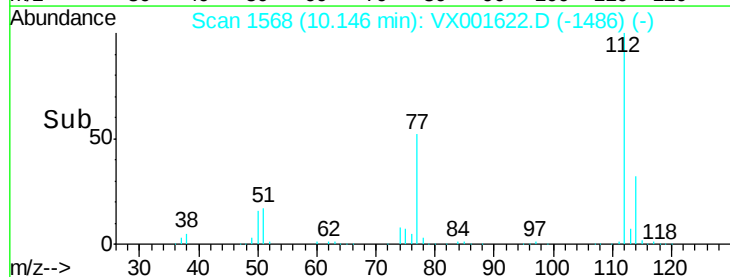
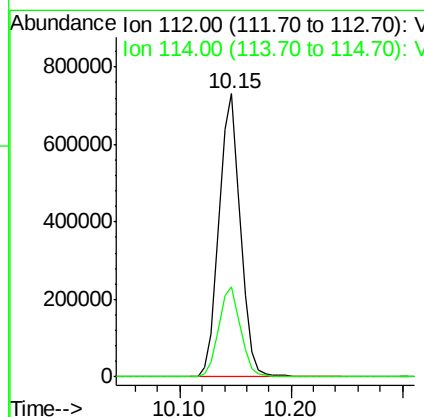
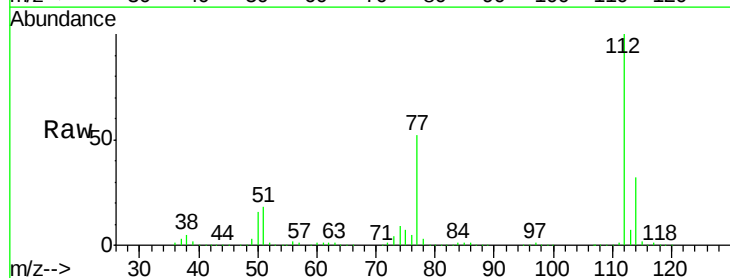
Acq: 11 May 2018 00:49

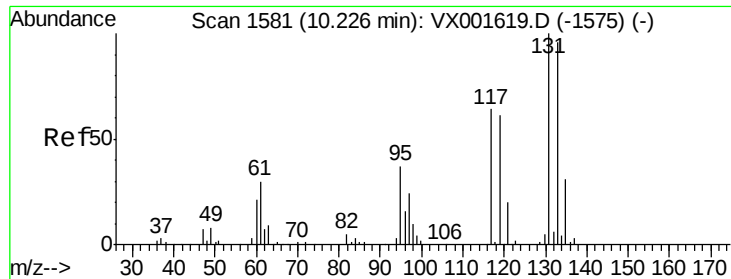
Tgt Ion: 112 Resp: 974285

Ion Ratio Lower Upper

112 100

114 31.8 25.3 37.9





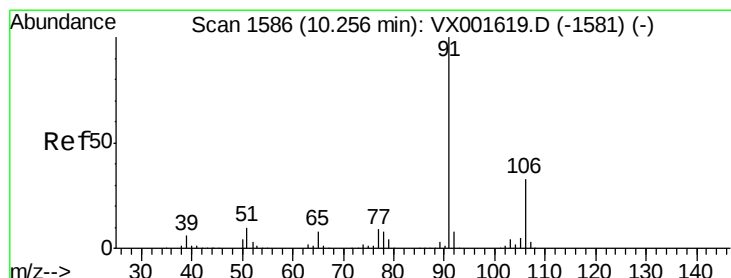
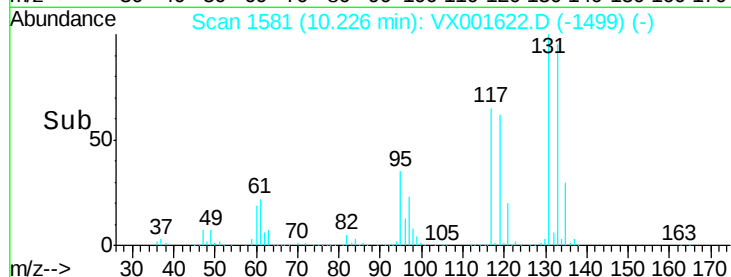
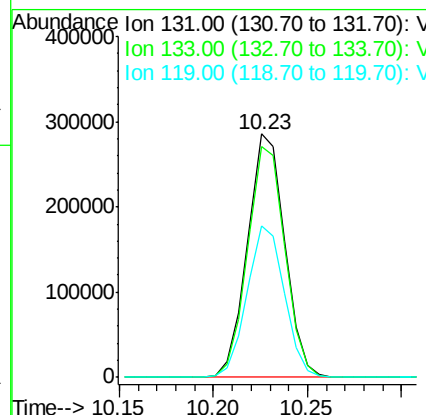
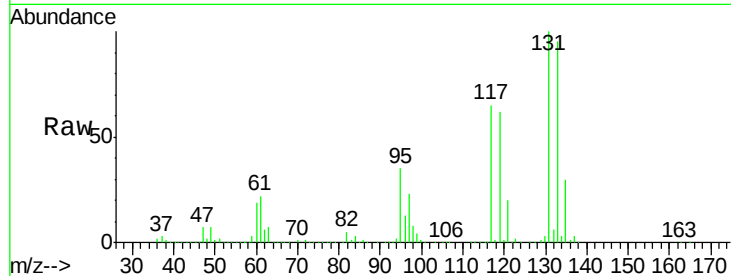
#65
 1,1,1,2-Tetrachloroethane
 Concen: 112.09 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100	391655		
133	94.9	0.0	191.4	
119	62.1	0.0	124.2	

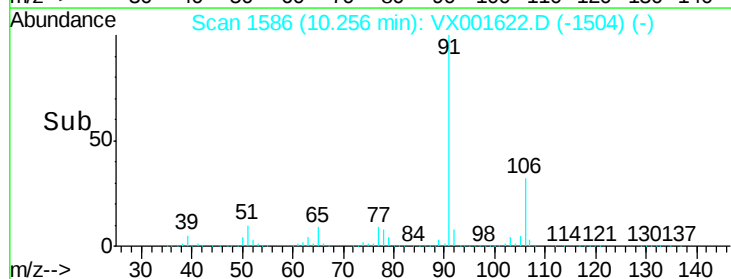
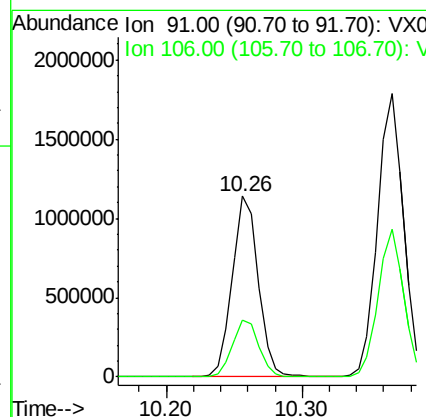
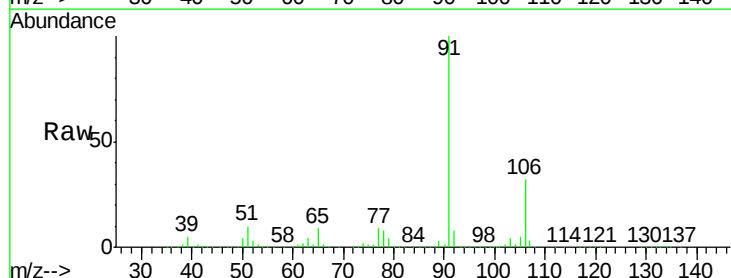
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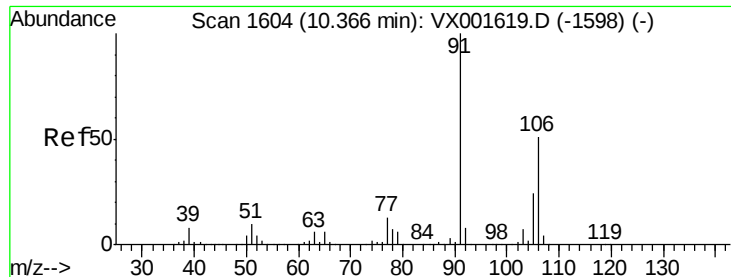
apatel
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#66
 Ethyl Benzene
 Concen: 97.29 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1523863		
106	31.8	26.2	39.4	





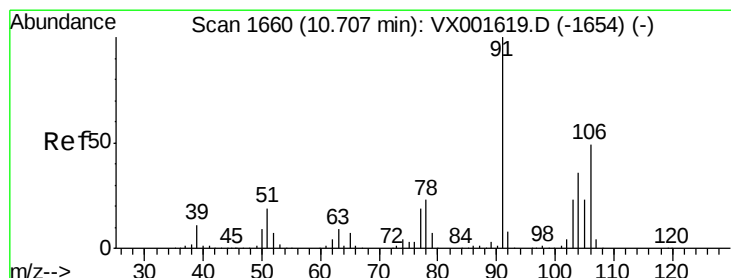
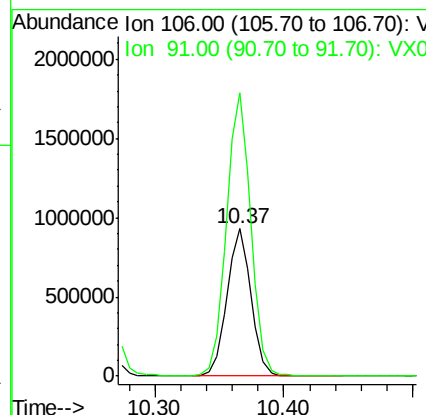
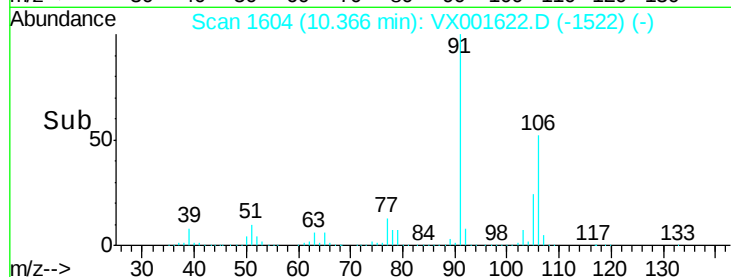
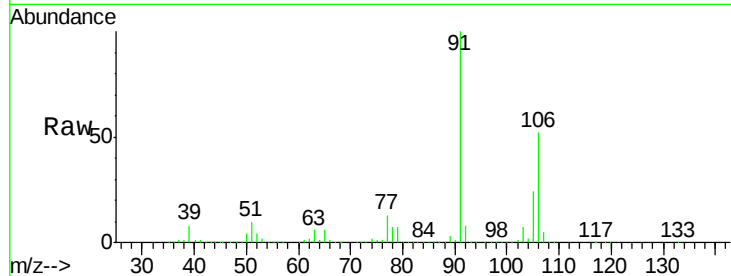
#67
m/p-Xvlenes
Concen: 195.16 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1221456
Ion Ratio Lower Upper
106 100
91 194.4 157.8 236.8

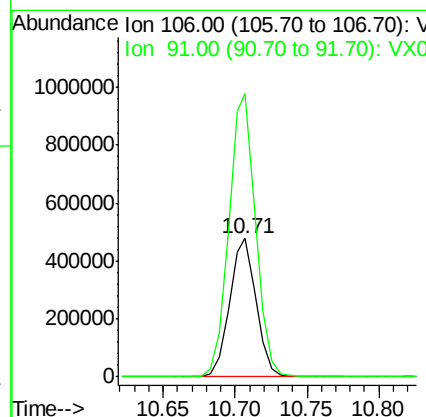
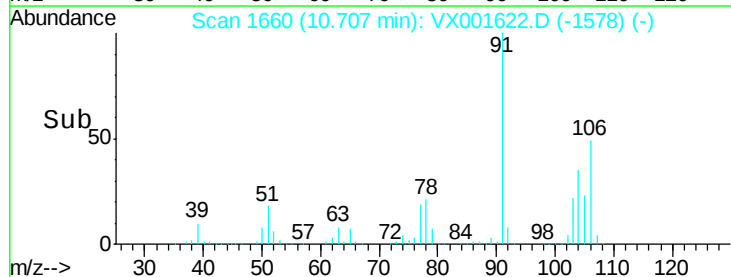
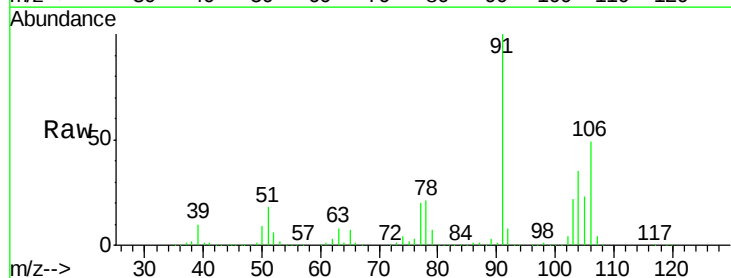
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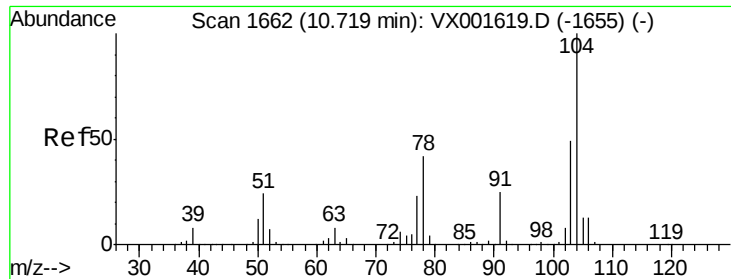
apatel
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#68
o-Xylene
Concen: 102.35 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion:106 Resp: 618304
Ion Ratio Lower Upper
106 100
91 205.8 104.3 312.8





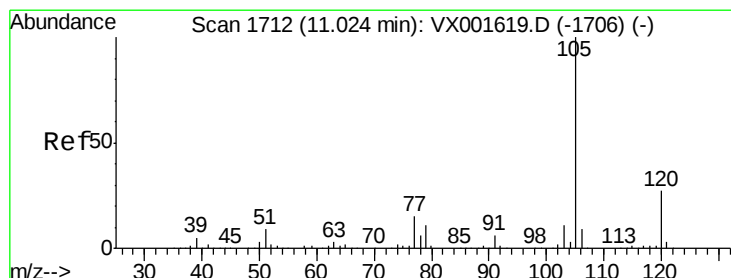
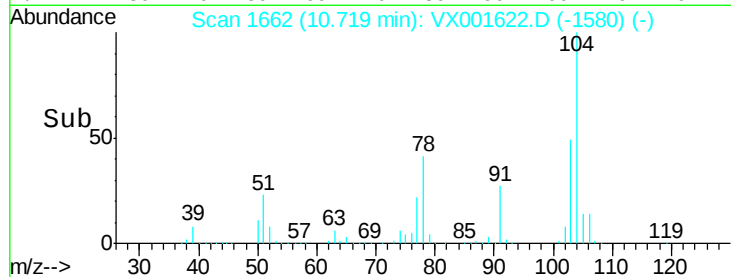
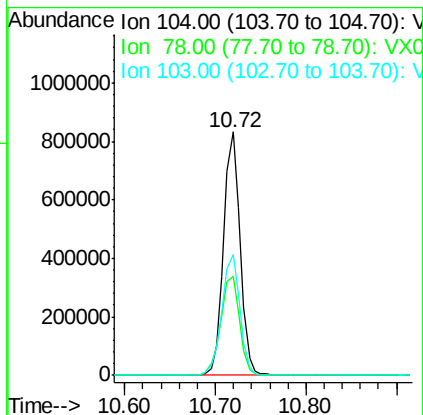
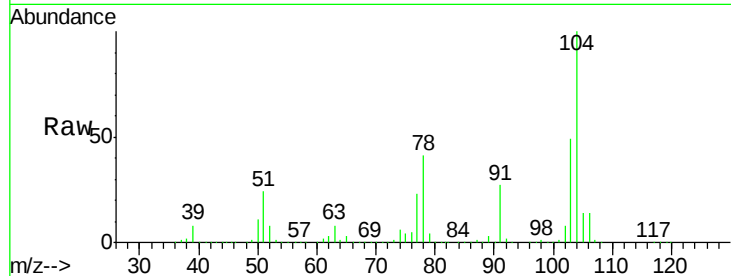
#69
Stvrene
Concen: 105.46 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 1060628
Ion Ratio Lower Upper
104 100
78 46.6 39.3 58.9
103 54.2 43.7 65.5

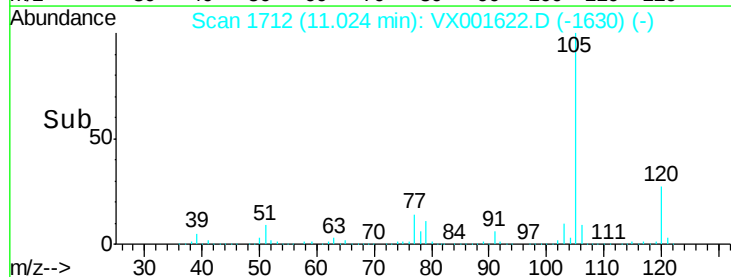
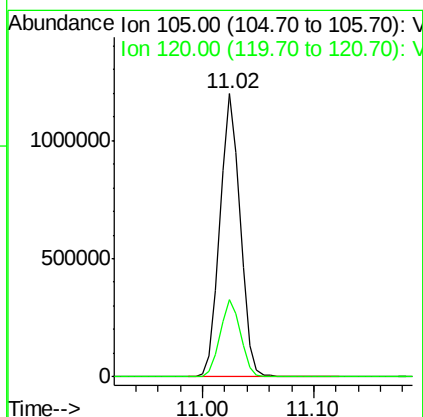
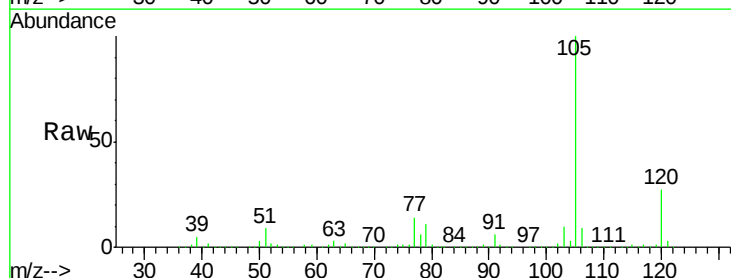
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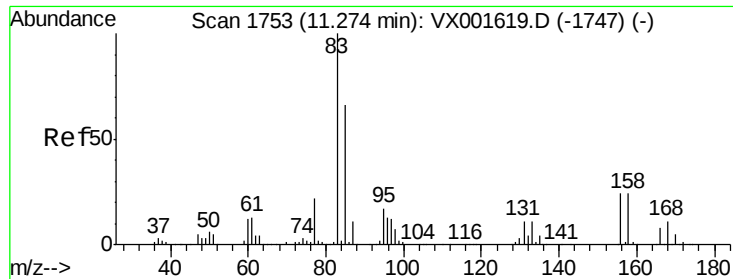
apatel
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#70
Isopropylbenzene
Concen: 92.65 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion:105 Resp: 1512722
Ion Ratio Lower Upper
105 100
120 27.4 19.1 35.5





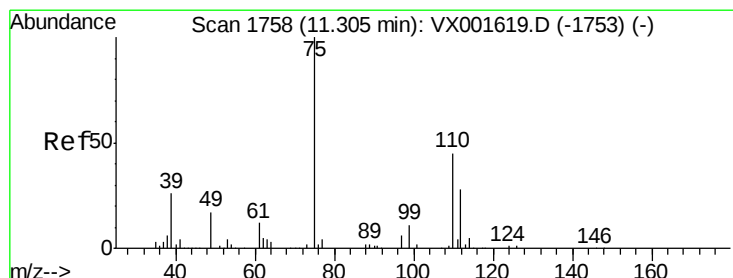
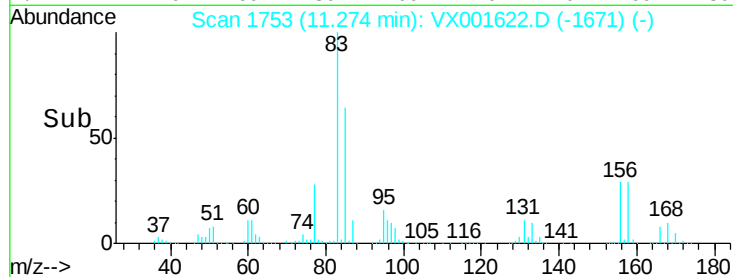
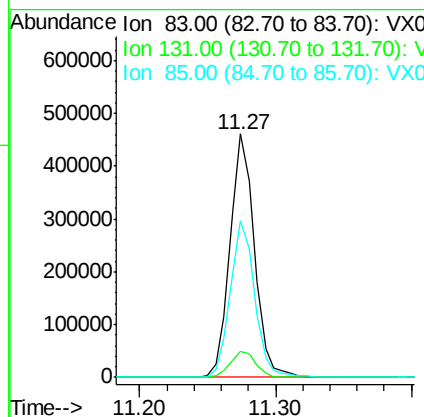
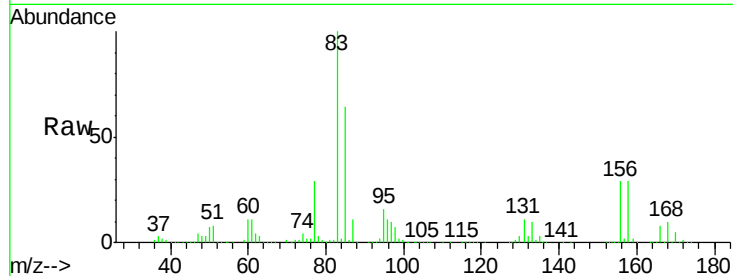
#71
 1,1,2,2-Tetrachloroethane
 Concen: 117.20 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.3	5.8	17.4	
85	64.3	32.4	97.2	

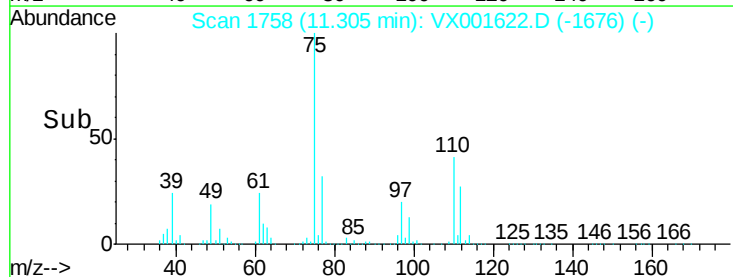
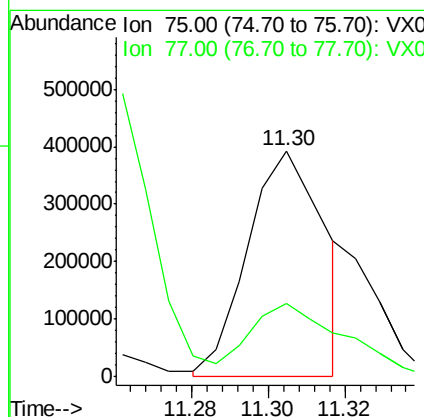
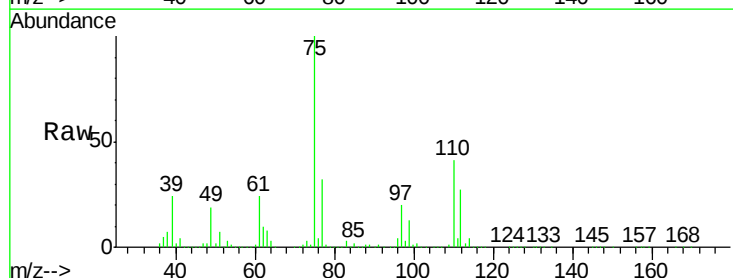
Manual Integrations
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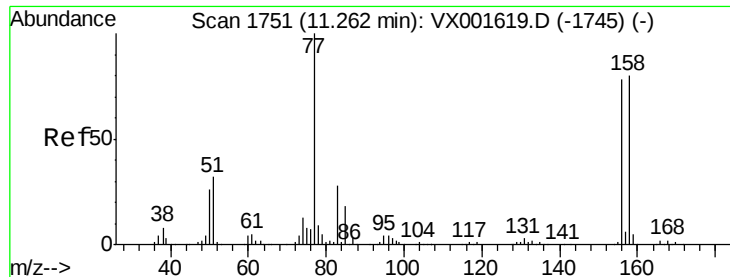
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#72
 1,2,3-Trichloropropane
 Concen: 122.88 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	37.7	0.0	73.2	





#73

Bromobenzene

Concen: 102.91 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

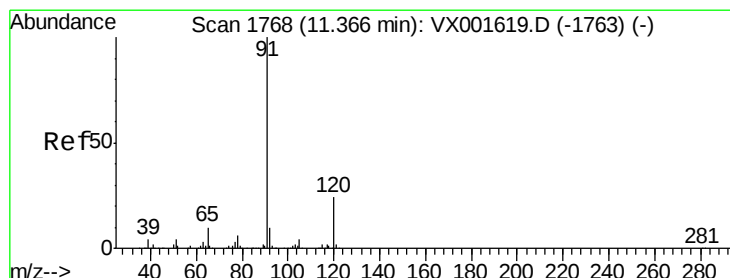
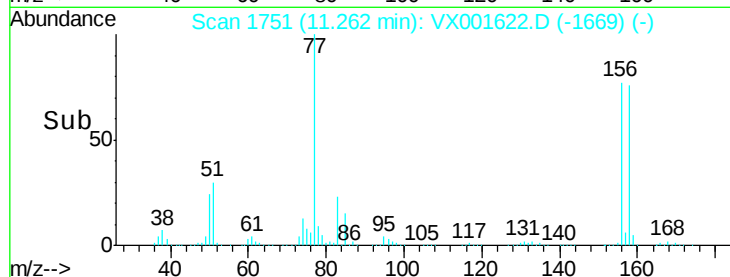
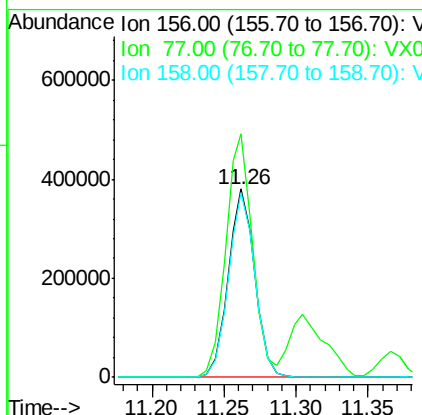
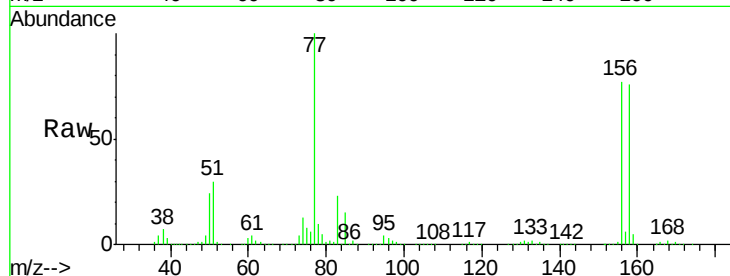
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
156	100	490846		
77	131.3	0.0	266.4	
158	98.3	0.0	194.4	

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#74

n-propylbenzene

Concen: 91.09 ug/l

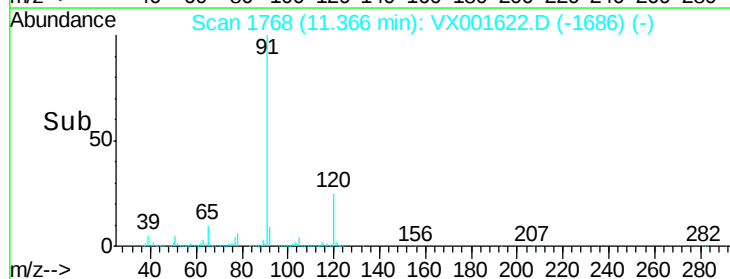
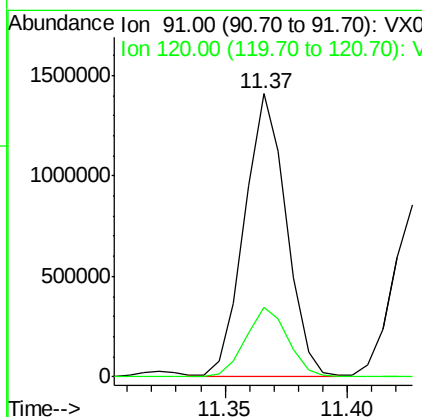
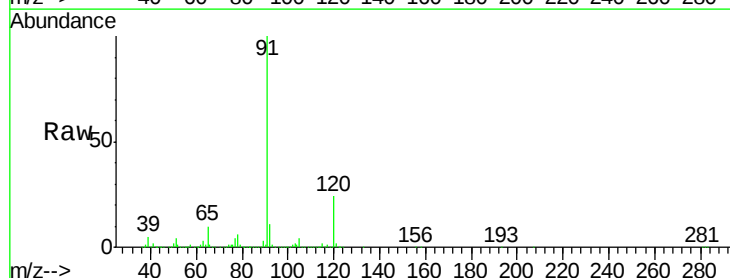
RT: 11.37 min Scan# 1768

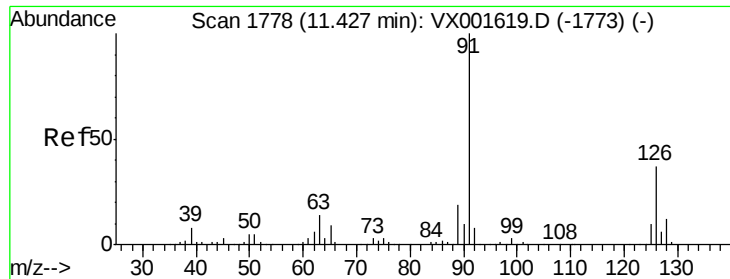
Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1675750		
120	24.5	0.0	48.0	





#75

2-Chlorotoluene

Concen: 95.37 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1066719

Ion Ratio Lower Upper

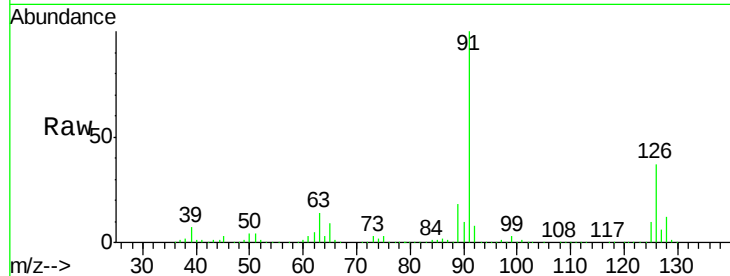
91 100

126 36.9 0.0 72.0

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Abundance Ion 91.00 (90.70 to 91.70): VX001619.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001619.D (-1773) (-)

1500000

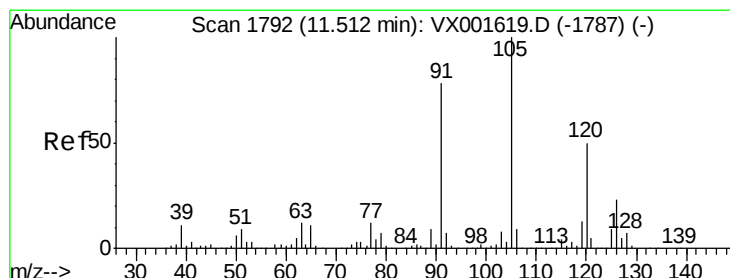
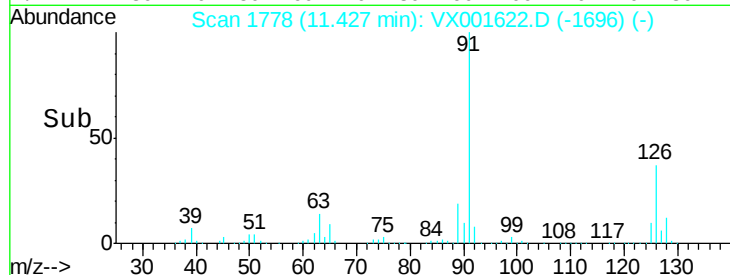
1000000

500000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 93.02 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001622.D

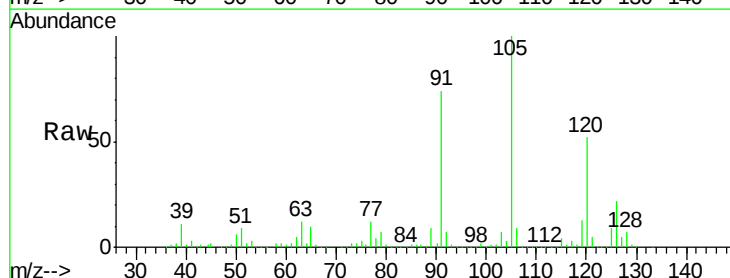
Acq: 11 May 2018 00:49

Tgt Ion: 105 Resp: 1293975

Ion Ratio Lower Upper

105 100

120 51.7 0.0 101.8



Abundance Ion 105.00 (104.70 to 105.70): VX001619.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VX001619.D (-1787) (-)

1200000

1000000

800000

600000

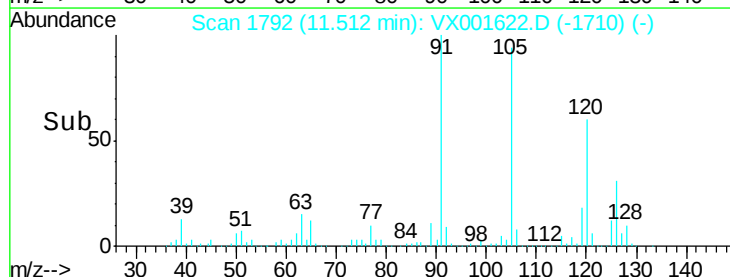
400000

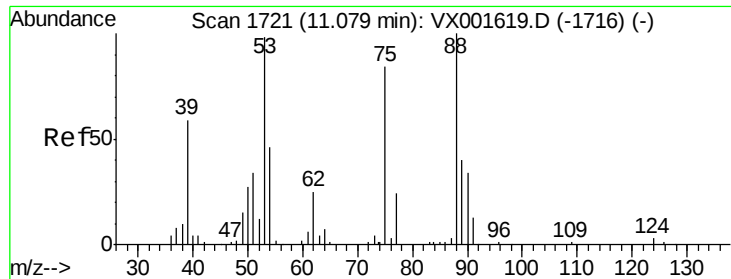
200000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 129.75 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. 0.01 min

Lab File: VX001622.D

Acq: 11 May 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 168847
Ion Ratio Lower Upper

75 100

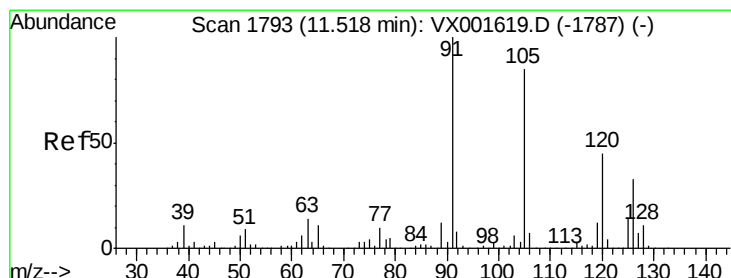
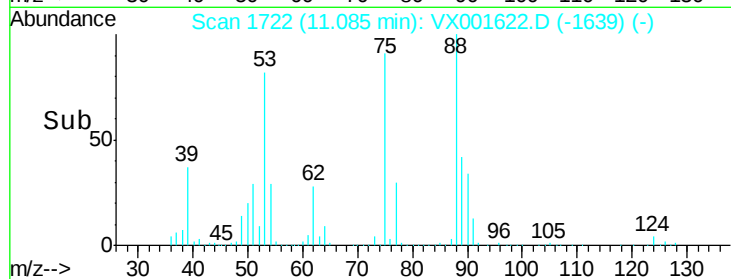
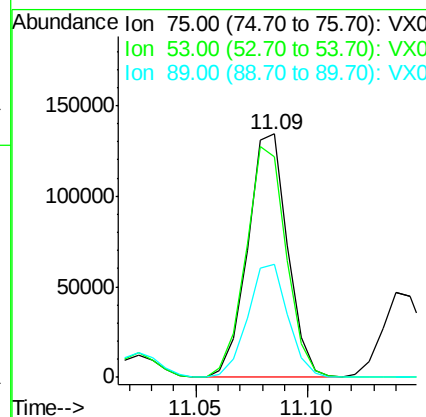
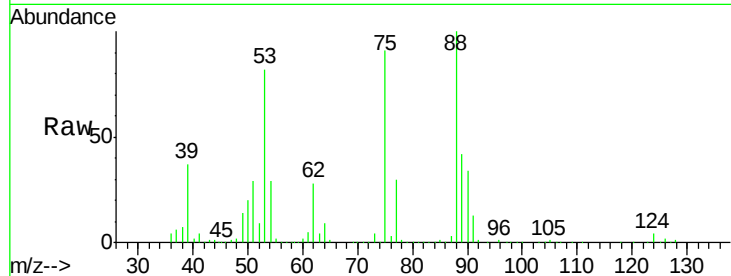
53 90.3 58.3 174.8

89 46.4 23.9 71.8

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#78

4-Chlorotoluene

Concen: 93.22 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

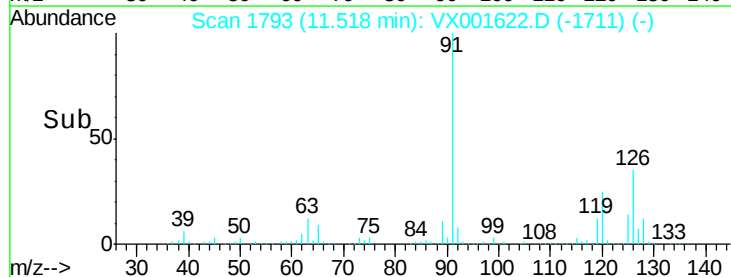
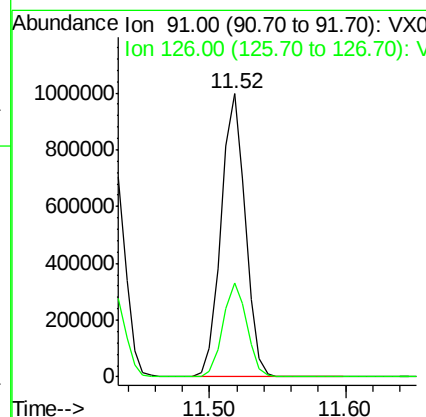
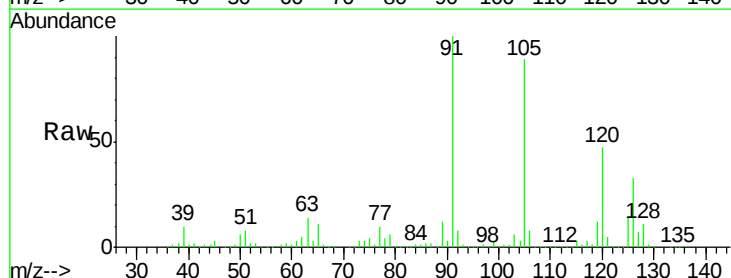
Lab File: VX001622.D

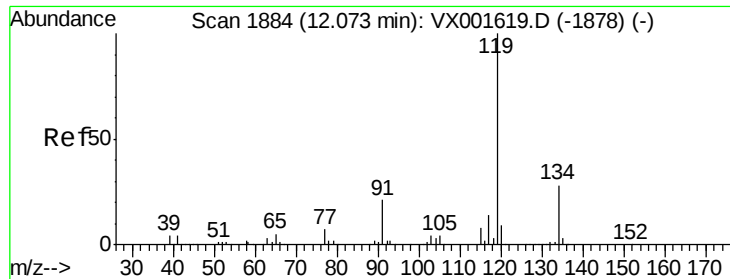
Acq: 11 May 2018 00:49

Tgt Ion: 91 Resp: 1231122
Ion Ratio Lower Upper

91 100

126 32.7 0.0 64.8





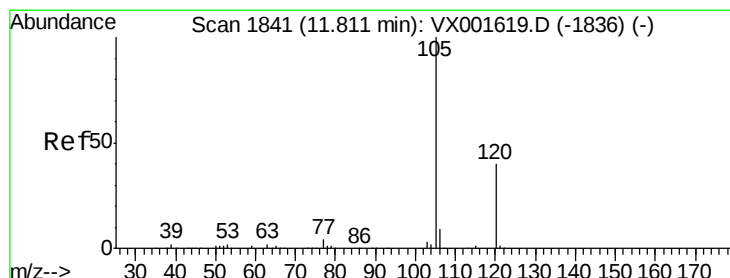
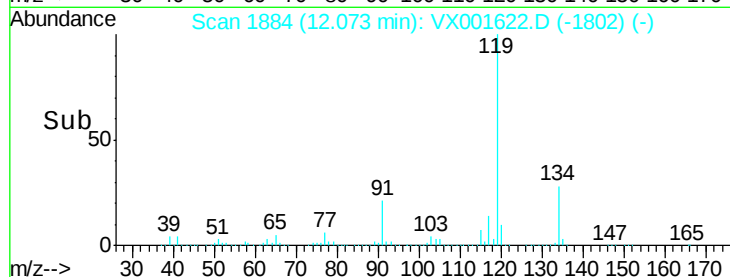
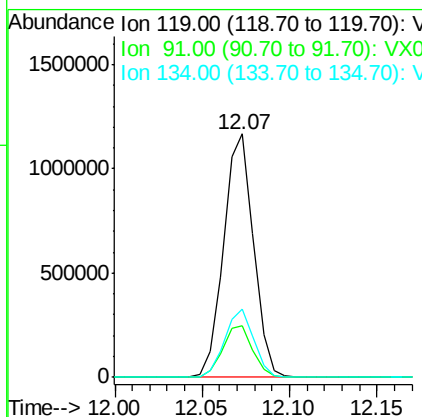
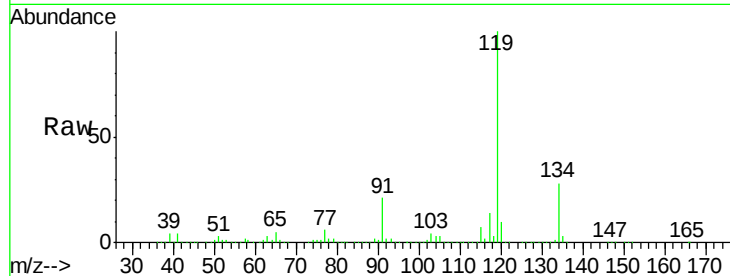
#79
tert-butylbenzene
Concen: 93.10 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	21.3	0.0	44.0
134	27.3	0.0	53.8

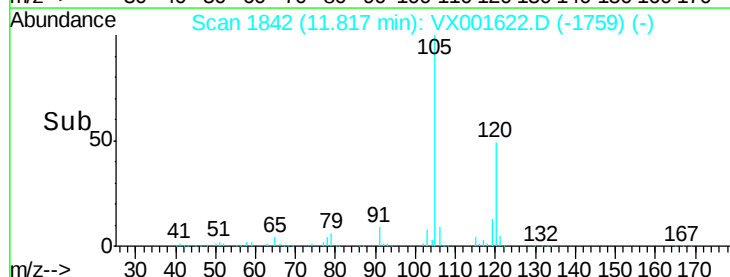
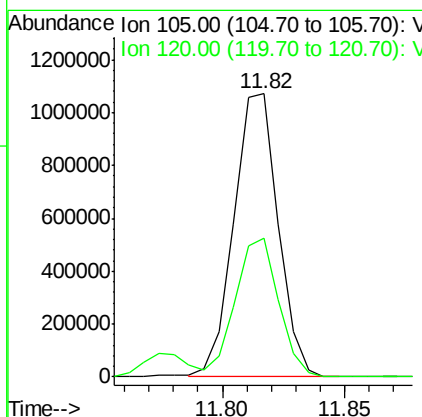
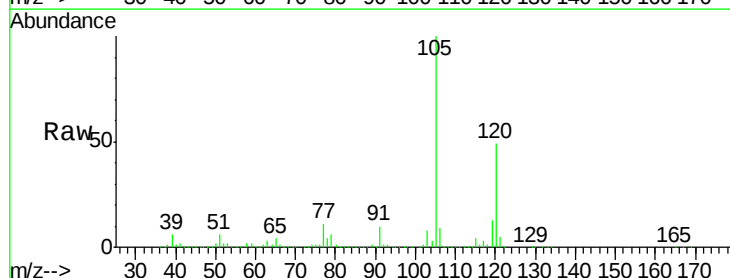
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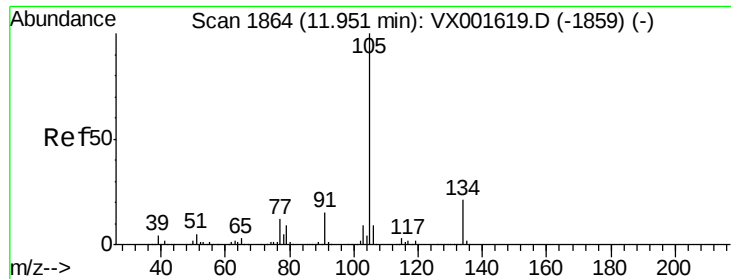
apatel
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#80
1,2,4-Trimethylbenzene
Concen: 95.64 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.01 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	0.0	94.0





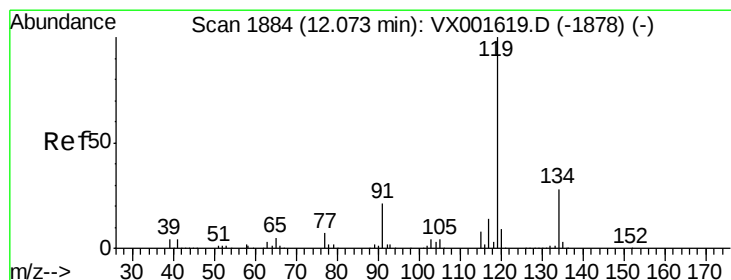
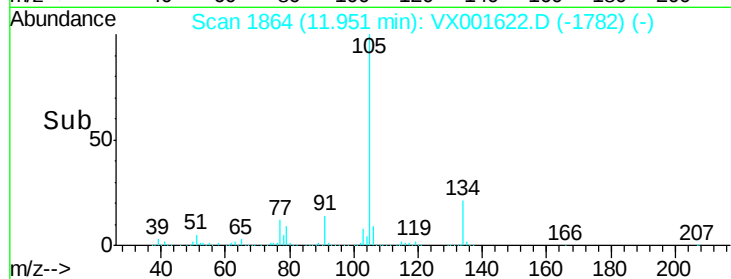
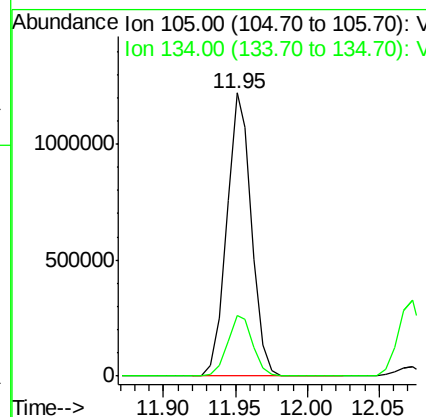
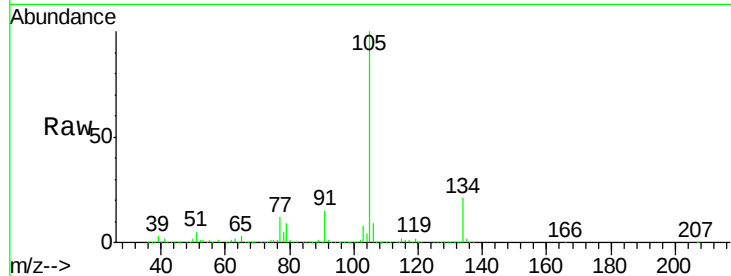
#81
 sec-Butylbenzene
 Concen: 91.31 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:105 Resp: 1472771
 Ion Ratio Lower Upper
 105 100
 134 21.7 0.0 43.4

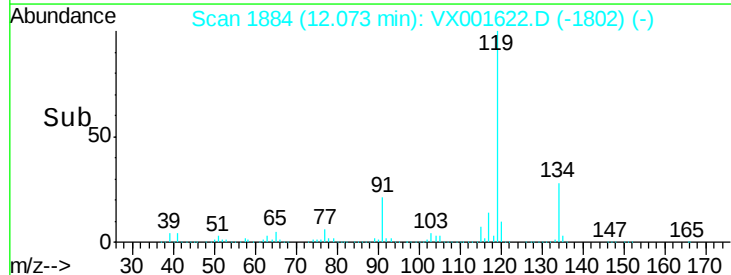
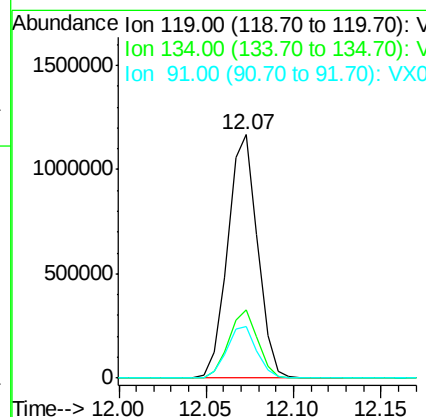
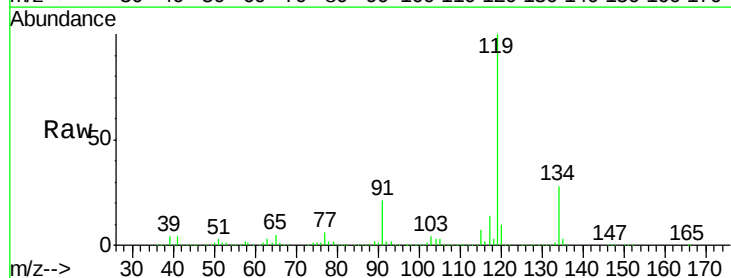
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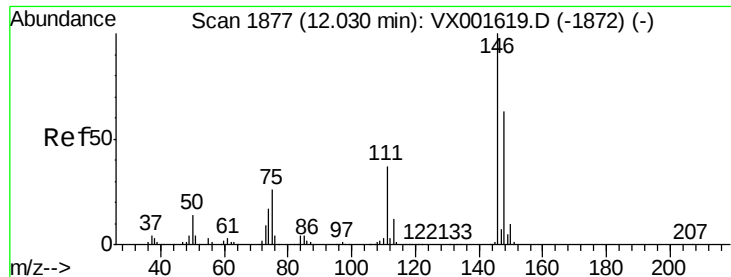
apatel
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#82
 p-Isopropyltoluene
 Concen: 93.10 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion:119 Resp: 1383893
 Ion Ratio Lower Upper
 119 100
 134 27.3 0.0 53.8
 91 21.3 0.0 44.0





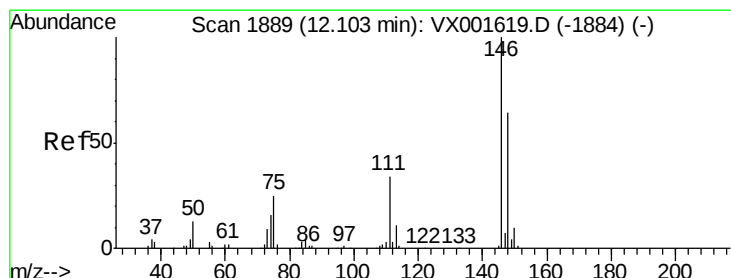
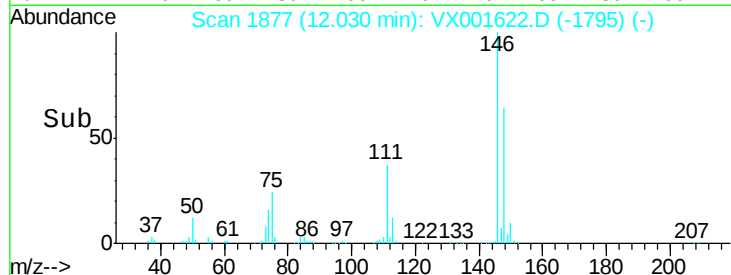
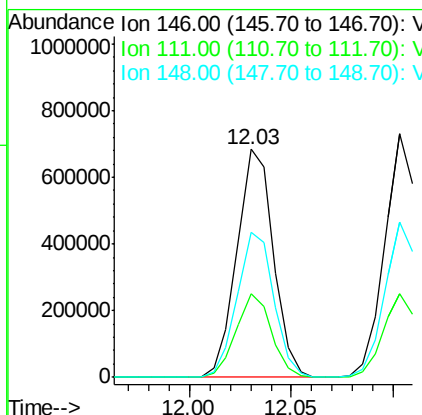
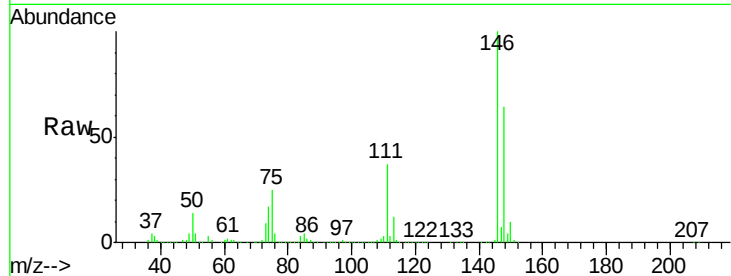
#83
 1,3-Dichlorobenzene
 Concen: 98.11 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.1
148	64.3	32.2	96.6

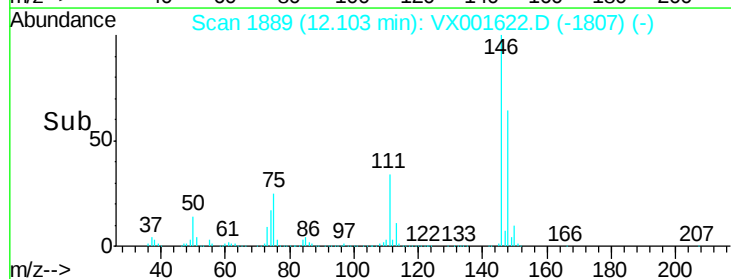
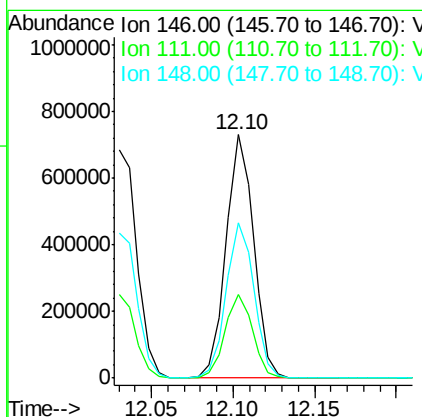
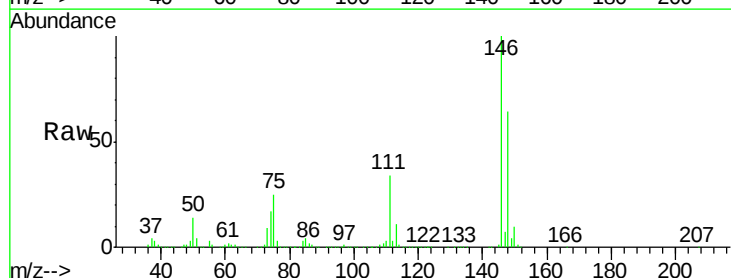
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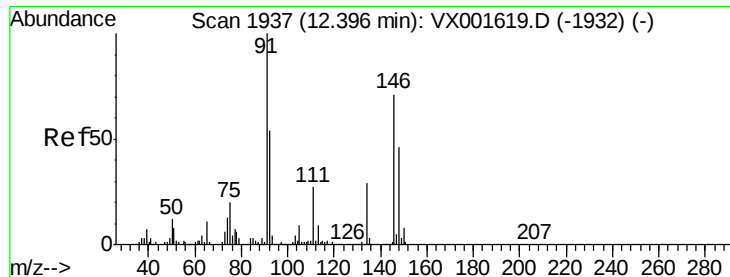
apatel
 5/14/2018 3:57:39 PM



#84
 1,4-Dichlorobenzene
 Concen: 98.03 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	17.4	52.3
148	64.2	32.5	97.4





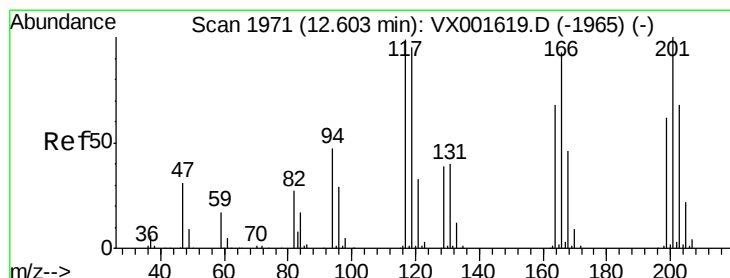
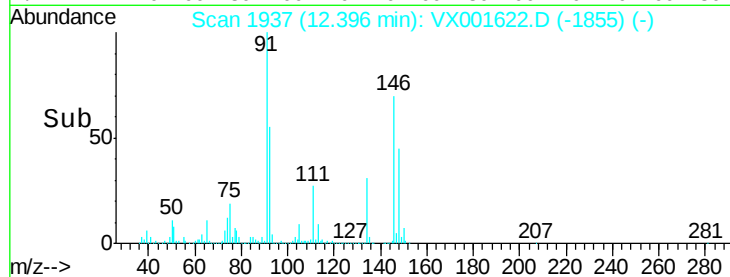
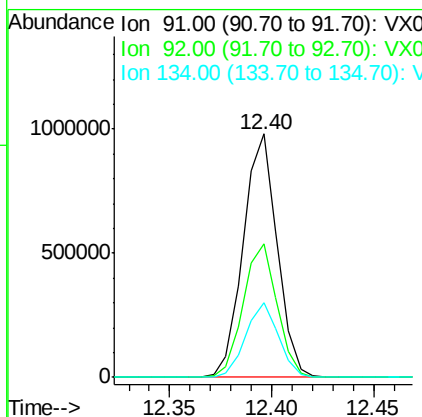
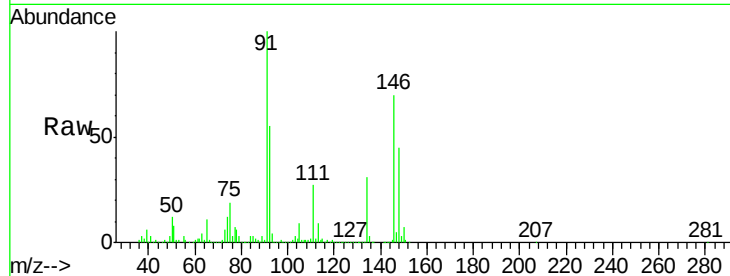
#85
n-Butylbenzene
Concen: 89.05 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	0.0	107.8
134	29.6	0.0	56.8

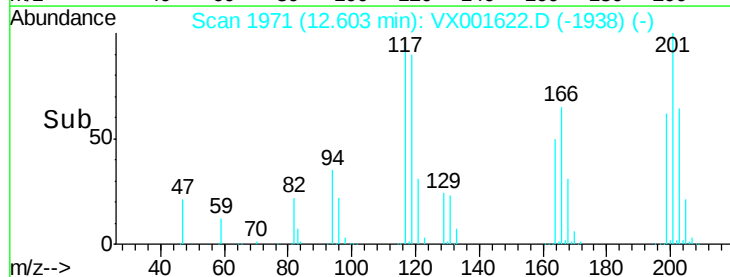
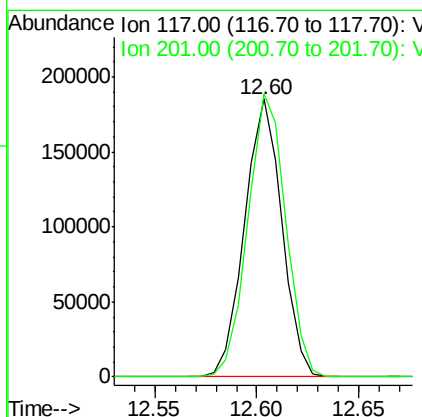
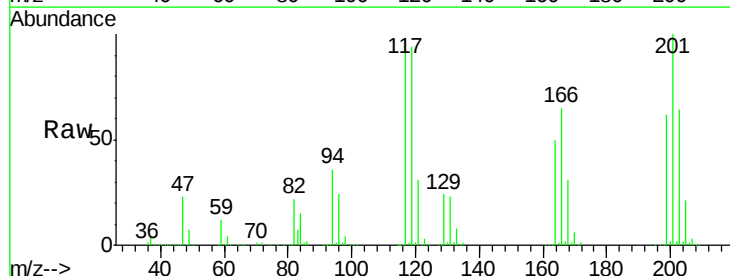
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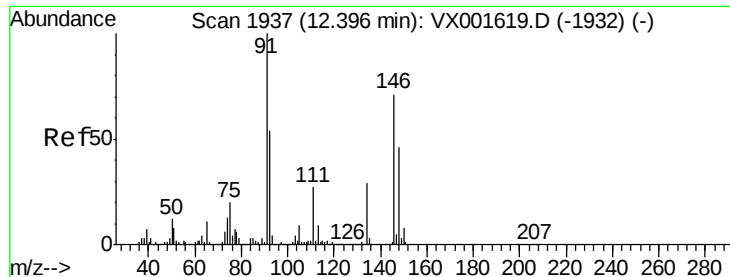
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#86
Hexachloroethane
Concen: 102.63 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.8	50.1	150.3





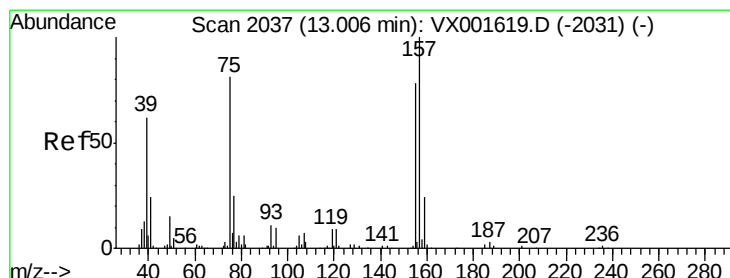
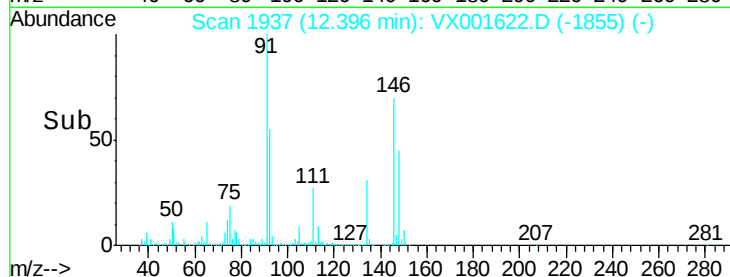
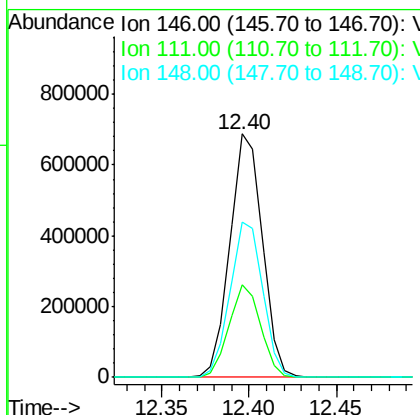
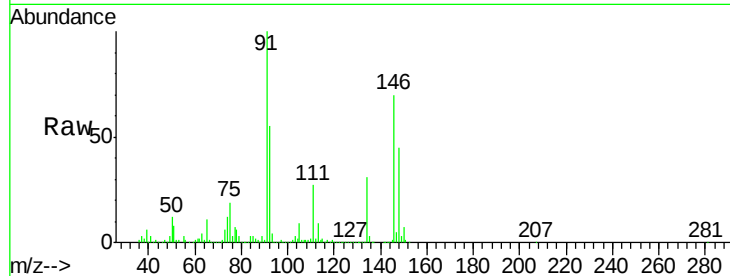
#87
 1,2-Dichlorobenzene
 Concen: 103.04 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	890642		
111	37.1	18.7	56.1	
148	64.3	32.1	96.5	

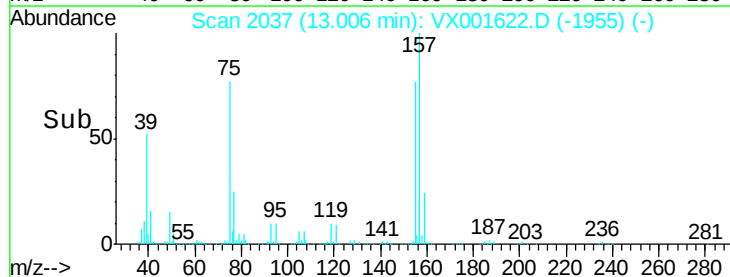
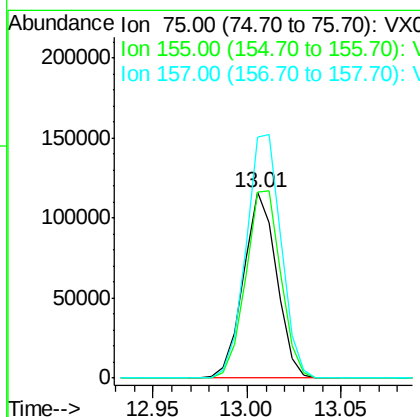
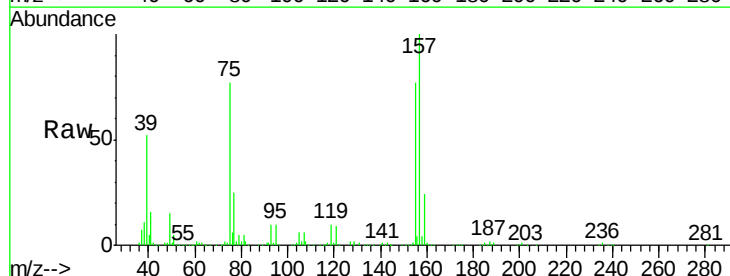
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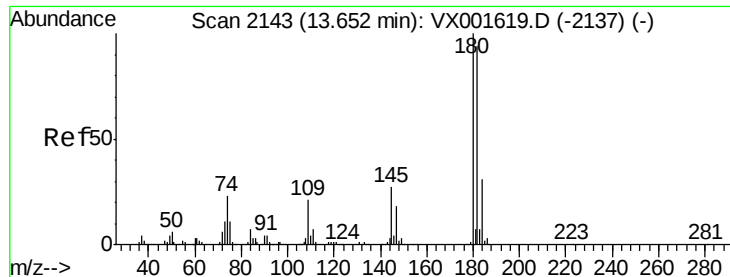
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 135.56 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141650		
155	106.6	79.8	119.8	
157	138.5	105.4	158.2	





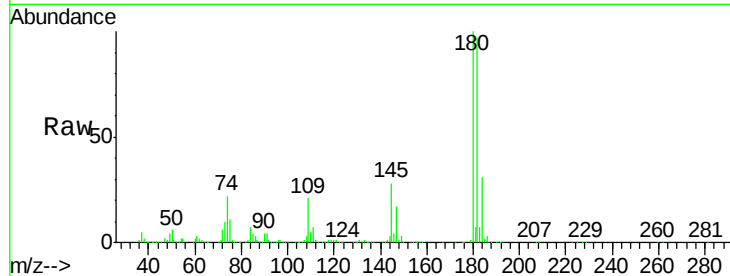
#89
 1,2,4-Trichlorobenzene
 Concen: 102.96 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

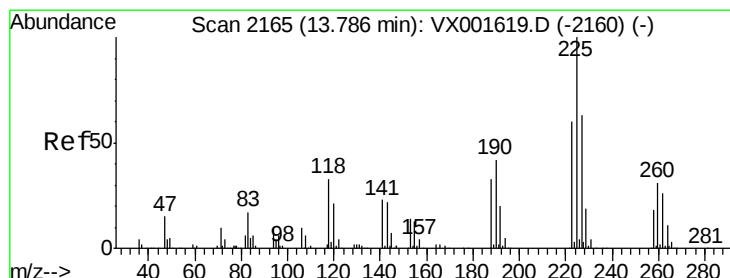
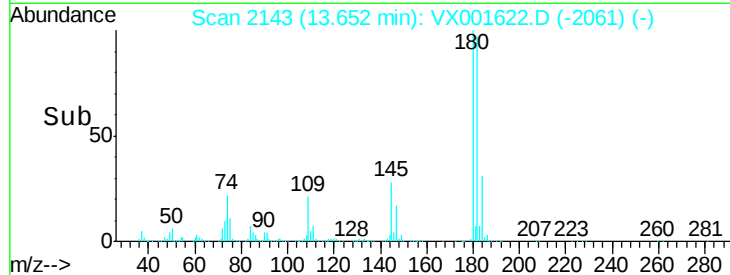
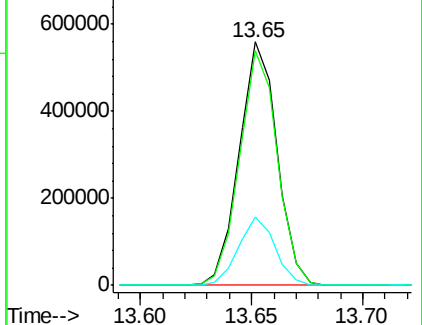
Tot Ion	Ratio	Resp	Lower	Upper
180	100	663907		
182	96.2		76.6	115.0
145	27.2		21.5	32.3

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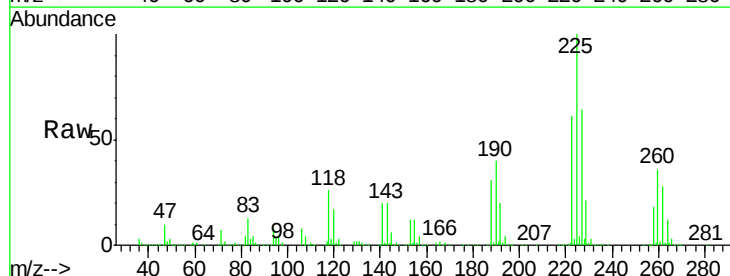


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

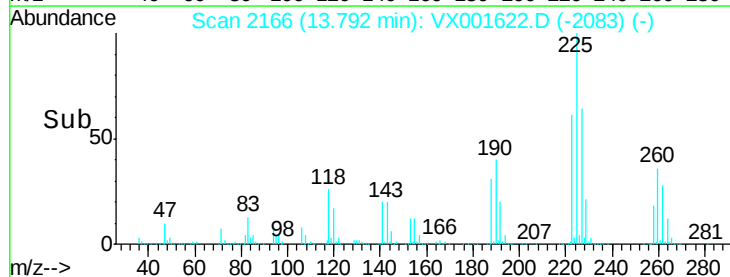
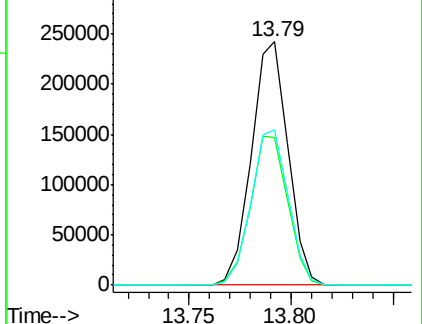


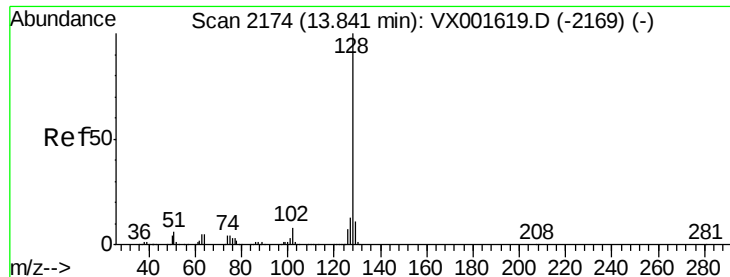
#90
 Hexachlorobutadiene
 Concen: 98.11 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX001622.D
 Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	303578		
223	62.5		0.0	120.2
227	64.6		0.0	126.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





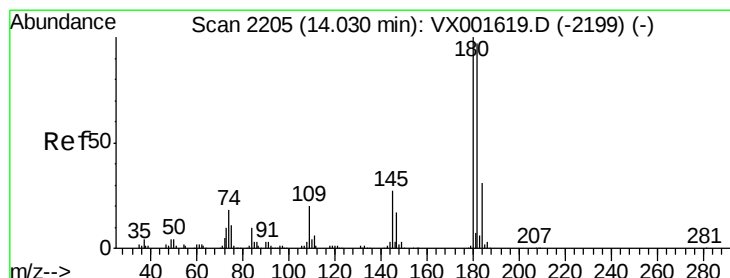
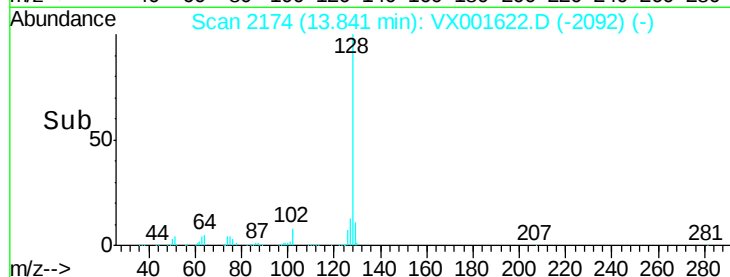
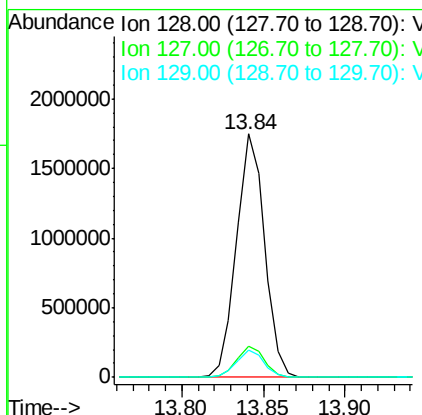
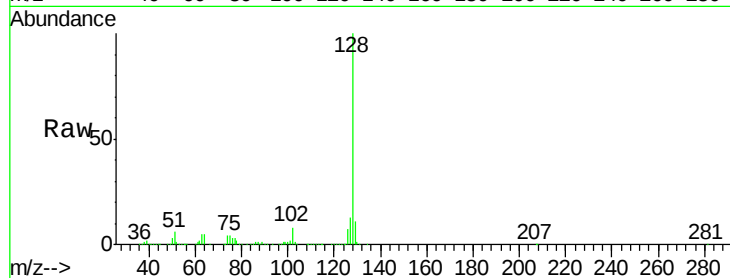
#91
Naphthalene
Concen: 122.34 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.8	13.2

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#92
1,2,3-Trichlorobenzene
Concen: 107.66 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX001622.D
Acq: 11 May 2018 00:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	192.2
145	28.3	0.0	56.0

