

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031518\
 Data File : VX000324.D
 Acq On : 15 Mar 2018 12:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 3/16/2018 3:43:19 PM

Quant Time: Mar 16 02:49:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	144280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	232461	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	238331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157871	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	85490	42.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.66%	
35) Dibromofluoromethane	5.51	113	67598	46.09	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.18%	
50) Toluene-d8	8.73	98	278084	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
62) 4-Bromofluorobenzene	11.15	95	114117	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	66523	42.80	ug/l	99
3) Chloromethane	1.32	50	63854	40.30	ug/l	98
4) Vinyl Chloride	1.41	62	73041	41.16	ug/l	98
5) Bromomethane	1.64	94	94913	47.93	ug/l	97
6) Chloroethane	1.73	64	48357	38.34	ug/l	97
7) Trichlorofluoromethane	1.93	101	130988	42.50	ug/l	99
8) Diethyl Ether	2.19	74	45482	41.46	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	74138	44.67	ug/l	98
10) Methyl Iodide	2.52	142	76480	45.61	ug/l	99
11) Tert butyl alcohol	3.07	59	163766	253.58	ug/l	100
12) 1,1-Dichloroethene	2.38	96	64553	40.99	ug/l	97
13) Acrolein	2.30	56	75584	272.04	ug/l	99
14) Allyl chloride	2.73	41	121313	43.20	ug/l	99
15) Acrylonitrile	3.15	53	288306	231.53	ug/l	100
16) Acetone	2.45	43	322886	242.28	ug/l	98
17) Carbon Disulfide	2.57	76	174759	37.98	ug/l	98
18) Methyl Acetate	2.78	43	141972	47.61	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	242476	43.73	ug/l	100
20) Methylene Chloride	2.86	84	71450	41.41	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	70659	40.58	ug/l	95
22) Diisopropyl ether	3.87	45	230225	49.25	ug/l	95
23) Vinyl Acetate	3.83	43	1123526	252.18	ug/l	99
24) 1,1-Dichloroethane	3.70	63	130935	44.53	ug/l	98
25) 2-Butanone	4.71	43	415525	260.87	ug/l	98
26) 2,2-Dichloropropane	4.59	77	100014	47.12	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	71234	44.79	ug/l	97
28) Bromochloromethane	5.03	49	59588	48.21	ug/l	98
29) Tetrahydrofuran	5.17	42	264952	258.44	ug/l	98
30) Chloroform	5.22	83	131887	47.51	ug/l	97
31) Cyclohexane	5.58	56	103954	46.08	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	117971	48.08	ug/l	98
36) 1,1-Dichloropropene	5.81	75	96859	45.86	ug/l	99
37) Ethyl Acetate	4.87	43	138880	49.47	ug/l	99
38) Carbon Tetrachloride	5.79	117	103471	48.59	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	121285	49.23	ug/l	95
40) Benzene	6.15	78	281058	46.90	ug/l	99
41) Methacrylonitrile	5.07	41	72152	48.95	ug/l	99
42) 1,2-Dichloroethane	6.21	62	112005	47.16	ug/l	100
43) Isopropyl Acetate	6.48	43	212691	52.50	ug/l	99
44) Trichloroethene	7.22	130	79617	45.85	ug/l	94
45) 1,2-Dichloropropane	7.53	63	74273	50.26	ug/l	99
46) Dibromomethane	7.67	93	56304	47.43	ug/l	97
47) Bromodichloromethane	7.91	83	105830	50.22	ug/l	97
48) Methyl methacrylate	7.79	41	102825	50.19	ug/l	100
49) 1,4-Dioxane	7.76	88	47539	1031.42	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	829063	263.50	ug/l	99
52) Toluene	8.79	92	198521	47.16	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	124436	51.16	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	127119	53.44	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	81238	48.10	ug/l	99
56) Ethyl methacrylate	9.19	69	131762	52.69	ug/l	98
57) 1,3-Dichloropropane	9.38	76	135589	49.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	317338	297.24	ug/l	99
59) 2-Hexanone	9.51	43	730819	275.69	ug/l	99
60) Dibromochloromethane	9.59	129	93797	52.52	ug/l	98
61) 1,2-Dibromoethane	9.68	107	94055	50.24	ug/l	98
64) Tetrachloroethene	9.34	164	79767	52.14	ug/l	98
65) Chlorobenzene	10.15	112	238616	49.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	85190	52.19	ug/l	99
67) Ethyl Benzene	10.26	91	415038	50.16	ug/l	99
68) m/p-Xylenes	10.37	106	336514	104.38	ug/l	97
69) o-Xylene	10.71	106	161307	51.51	ug/l	99
70) Styrene	10.72	104	271903	52.32	ug/l	99
71) Bromoform	10.87	173	76254	46.41	ug/l #	96
73) Isopropylbenzene	11.02	105	446314	46.94	ug/l	99
74) N-amyl acetate	6.48	43	212691	46.73	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	158422	46.80	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	144662m	50.76	ug/l	
77) Bromobenzene	11.26	156	111858	44.82	ug/l	99
78) n-propylbenzene	11.37	91	540388	47.13	ug/l	100
79) 2-Chlorotoluene	11.43	91	296863	45.63	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	391751	48.36	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	50188	48.07	ug/l	97
82) 4-Chlorotoluene	11.52	91	380259	47.55	ug/l	98
83) tert-Butylbenzene	11.78	119	381277	48.25	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	403400	48.44	ug/l	99
85) sec-Butylbenzene	11.96	105	488842	49.41	ug/l	100
86) p-Isopropyltoluene	12.07	119	442612	50.27	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	230719	47.11	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	249228	48.97	ug/l	99
89) n-Butylbenzene	12.40	91	429952	50.23	ug/l	99
90) Hexachloroethane	12.60	117	71047	50.31	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	230306	48.55	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	47491	51.83	ug/l	97

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VSTDCCC050

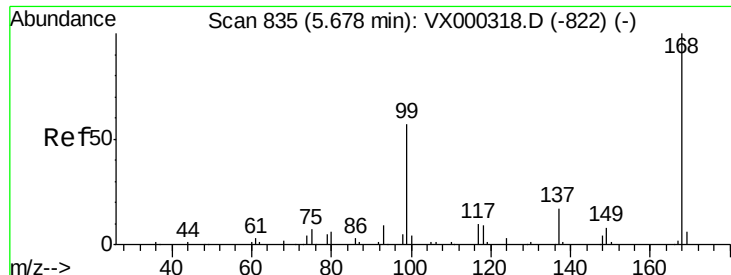
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	160633	47.01	ug/l	100
94) Hexachlorobutadiene	13.79	225	63137	46.84	ug/l	99
95) Naphthalene	13.84	128	570515	48.11	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	157698	45.68	ug/l	100

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



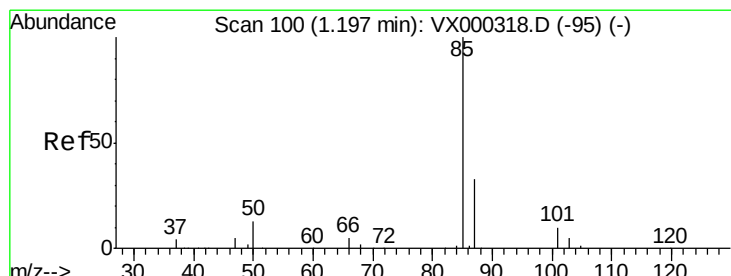
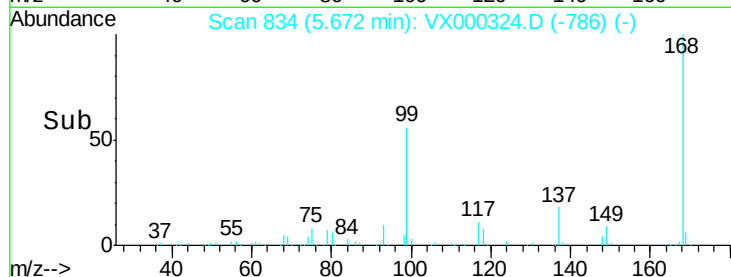
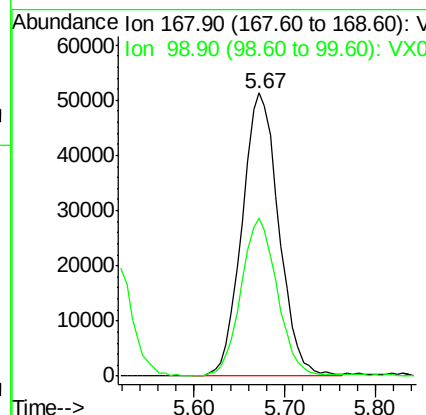
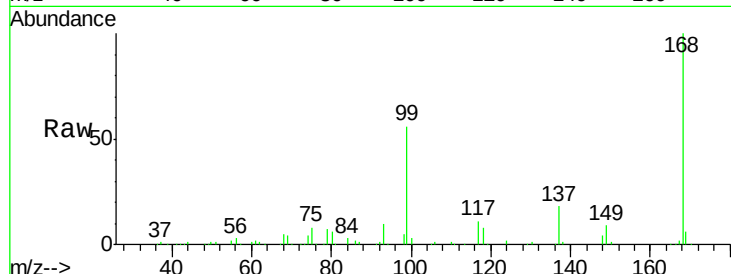
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	55.4	45.8	68.6	

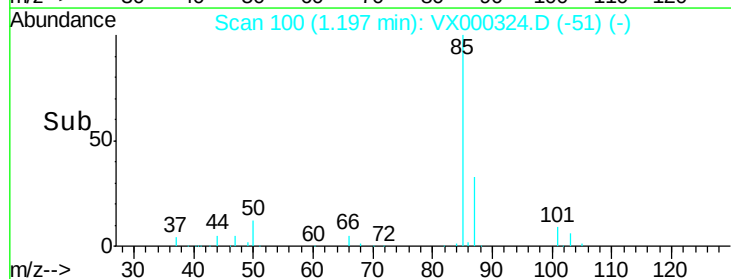
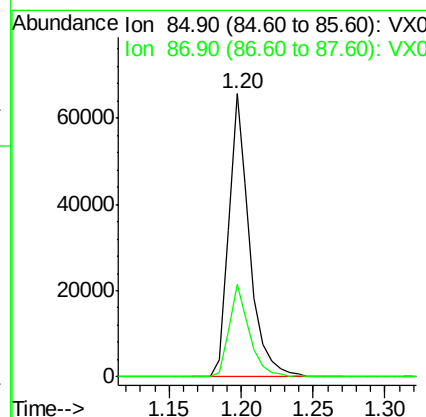
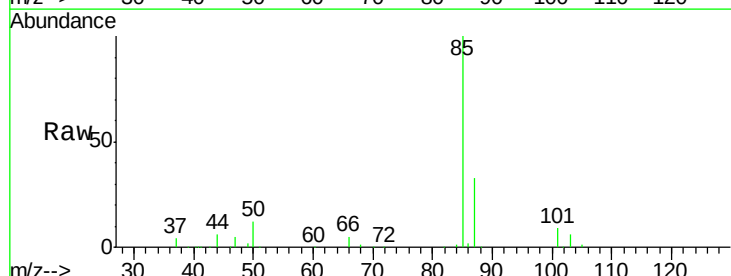
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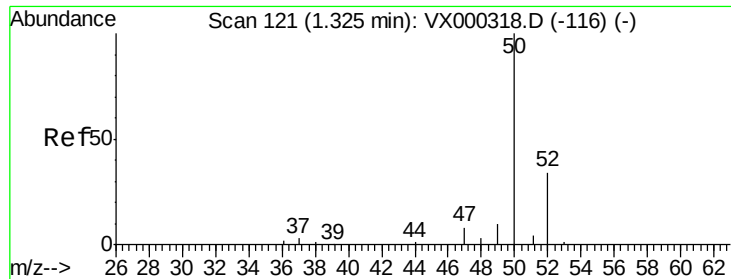
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#2
Dichlorodifluoromethane
Concen: 42.80 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.8	16.8	50.3	





#3

Chloromethane

Concen: 40.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 63854

Ion Ratio Lower Upper

50 100

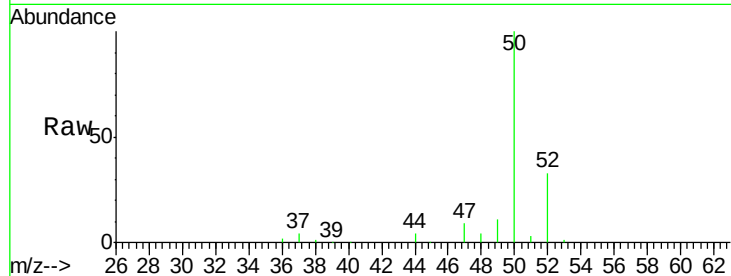
52 33.2 27.5 41.3

Manual Integrations

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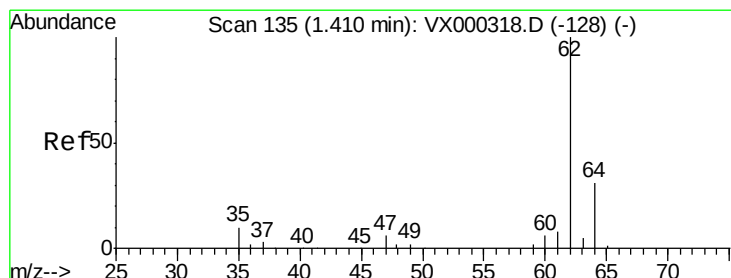
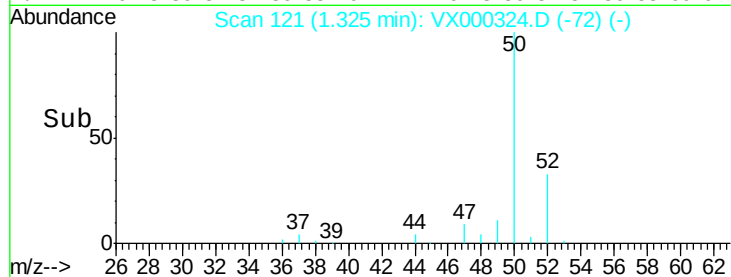
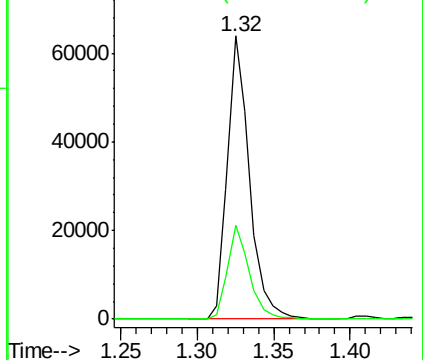
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 41.16 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000324.D

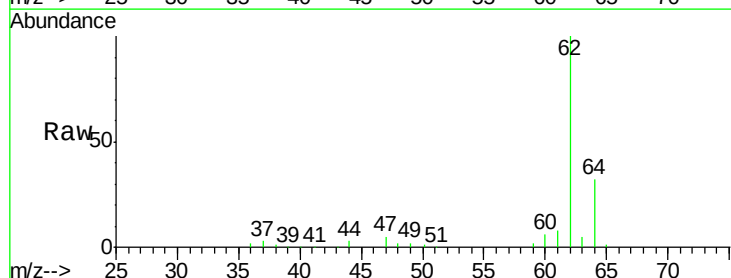
Acq: 15 Mar 2018 12:51

Tgt Ion: 62 Resp: 73041

Ion Ratio Lower Upper

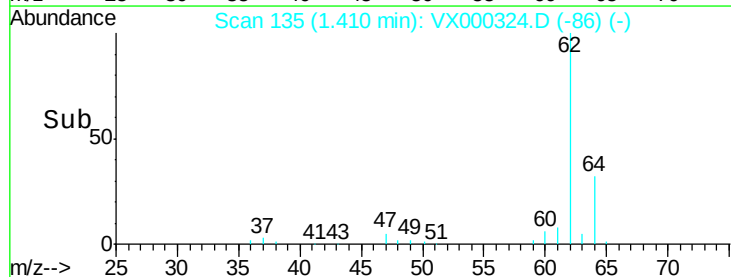
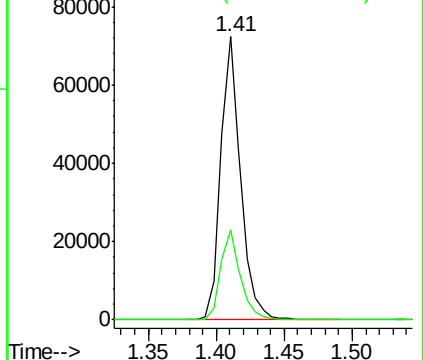
62 100

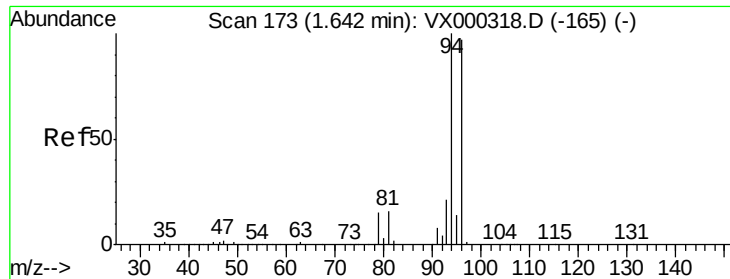
64 32.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.93 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 94913

Ion Ratio Lower Upper

94 100

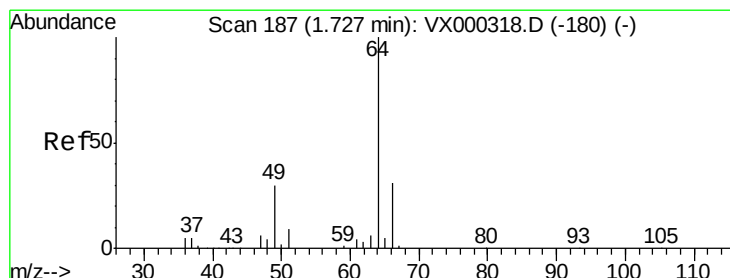
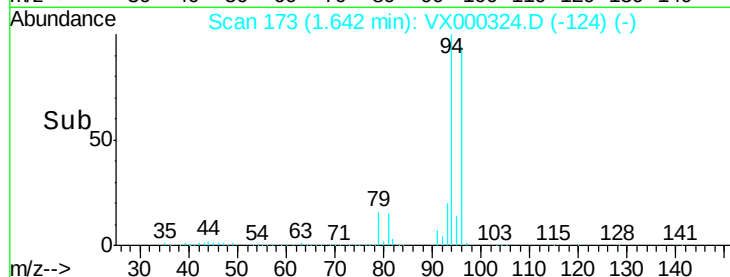
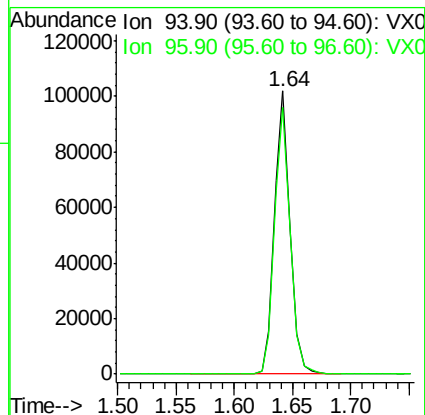
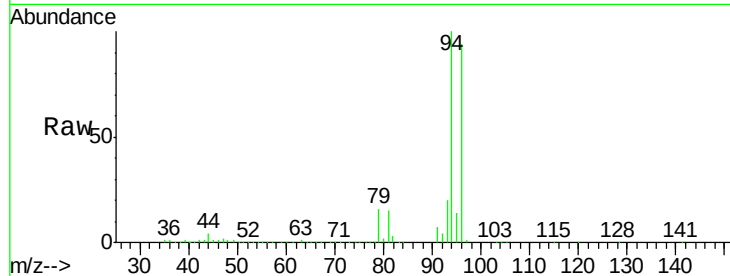
96 94.3 77.7 116.5

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#6

Chloroethane

Concen: 38.34 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000324.D

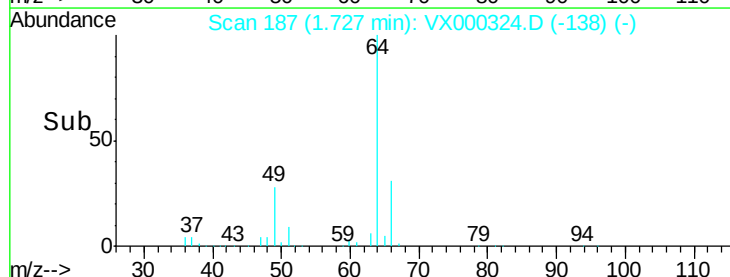
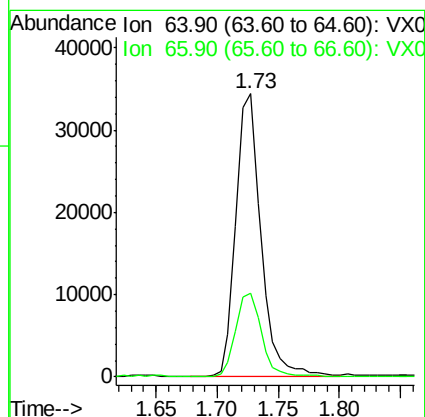
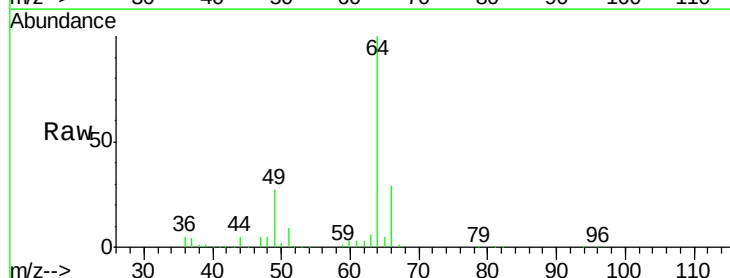
Acq: 15 Mar 2018 12:51

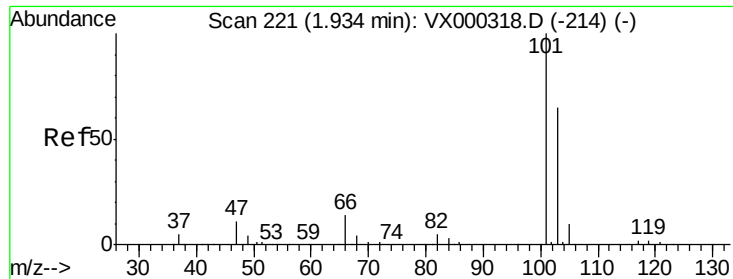
Tgt Ion: 64 Resp: 48357

Ion Ratio Lower Upper

64 100

66 29.5 24.8 37.2





#7

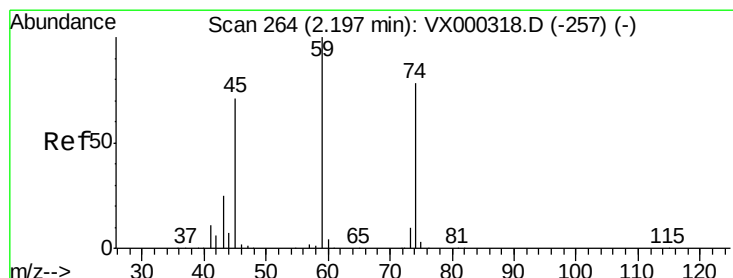
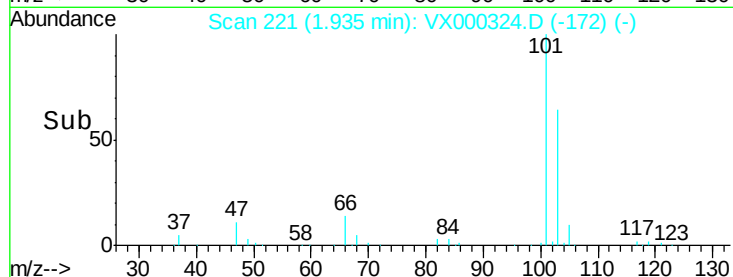
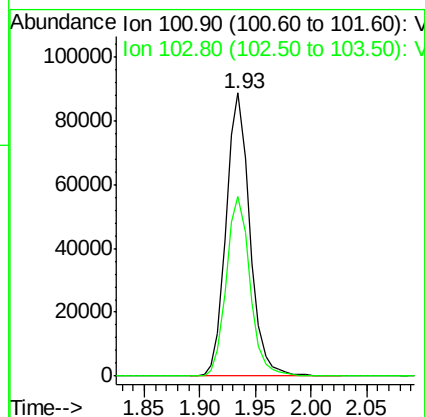
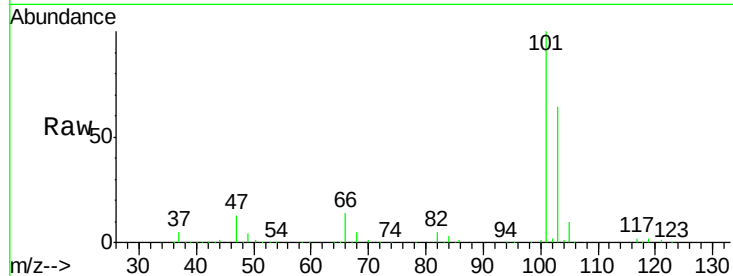
Trichlorofluoromethane
Concen: 42.50 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 130988
Ion Ratio Lower Upper
101 100
103 63.5 51.6 77.4

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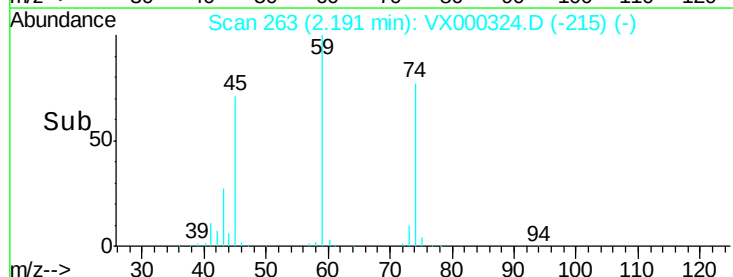
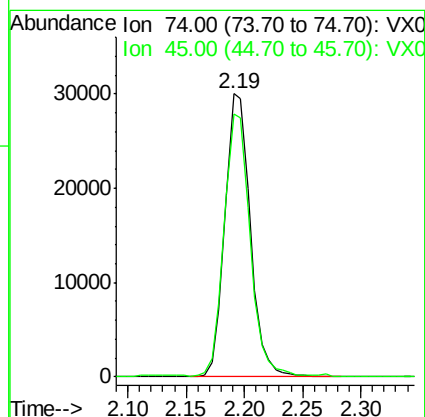
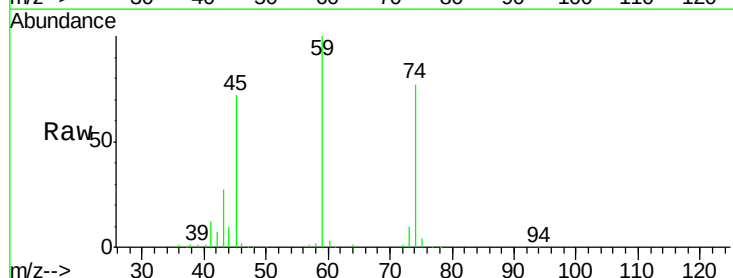
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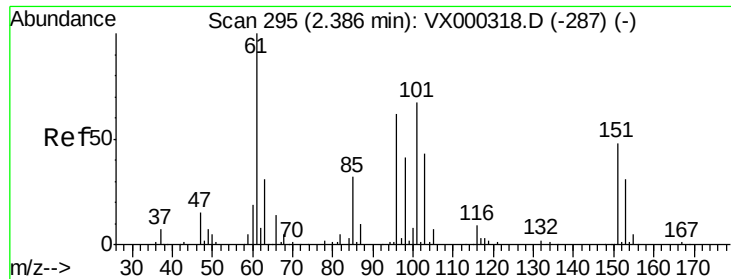


#8

Diethyl Ether
Concen: 41.46 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion: 74 Resp: 45482
Ion Ratio Lower Upper
74 100
45 94.6 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.67 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

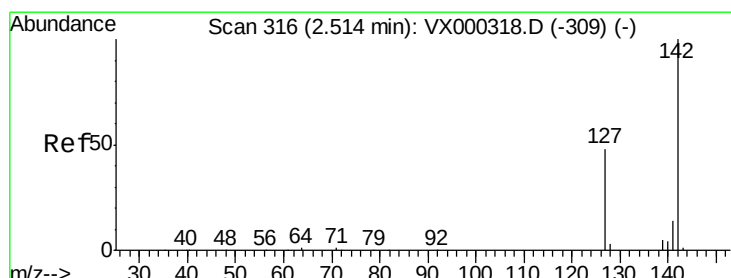
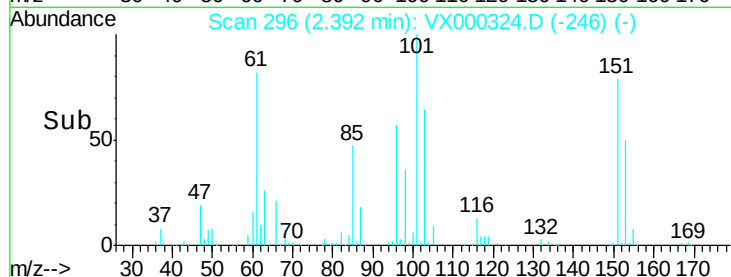
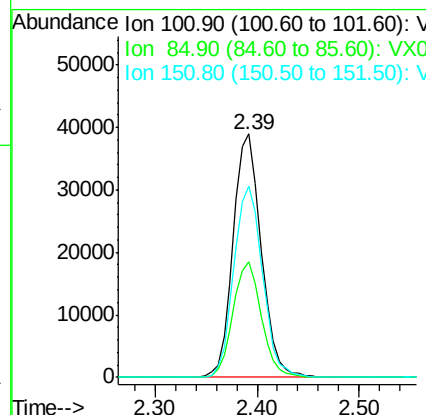
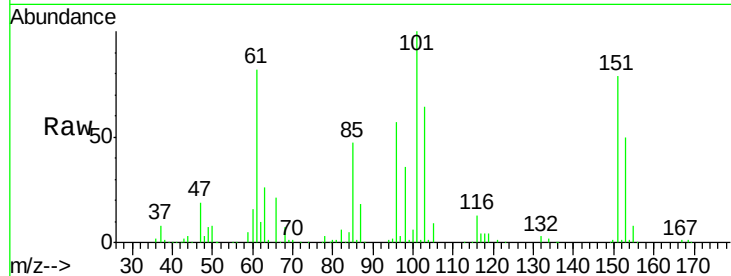
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	74138
Ion Ratio	Lower	Upper	
101	100		
85	47.7	37.6	56.4
151	80.3	62.6	93.8

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#10

Methyl Iodide

Concen: 45.61 ug/l

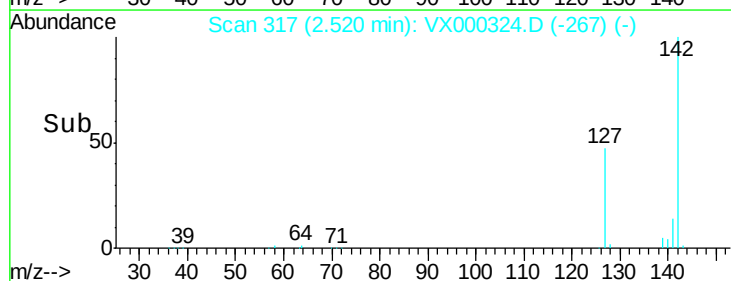
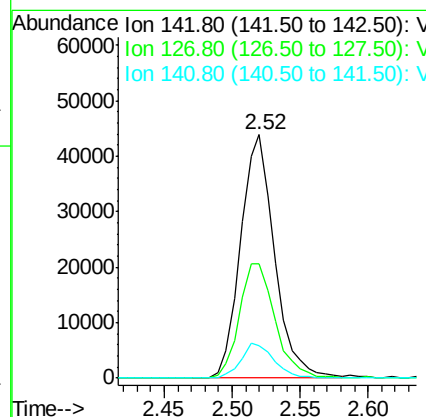
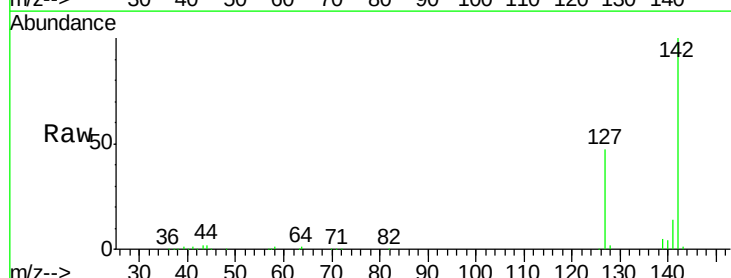
RT: 2.52 min Scan# 317

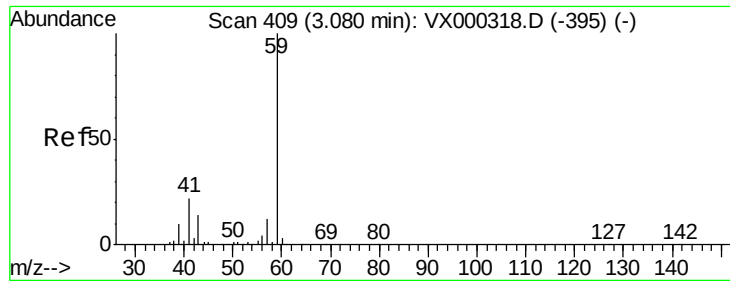
Delta R.T. 0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tgt Ion:	142	Resp:	76480
Ion Ratio	Lower	Upper	
142	100		
127	49.7	39.2	58.8
141	14.1	11.7	17.5





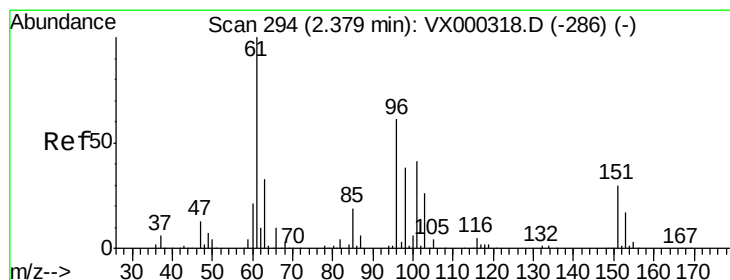
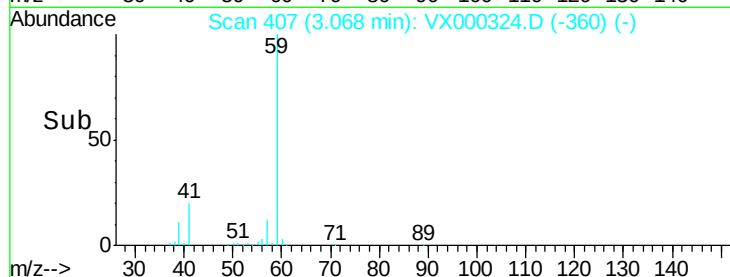
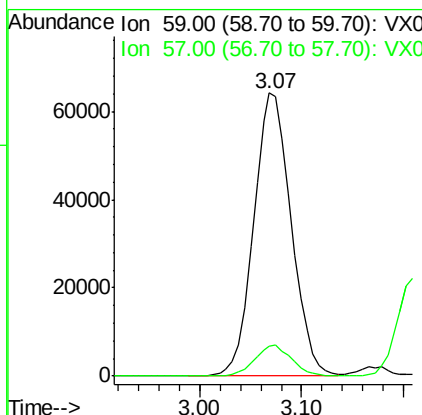
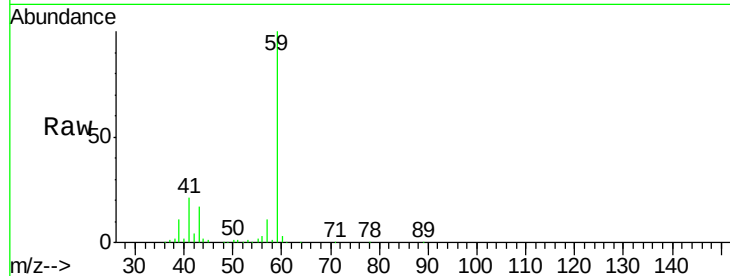
#11
Tert butyl alcohol
Concen: 253.58 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	163766
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

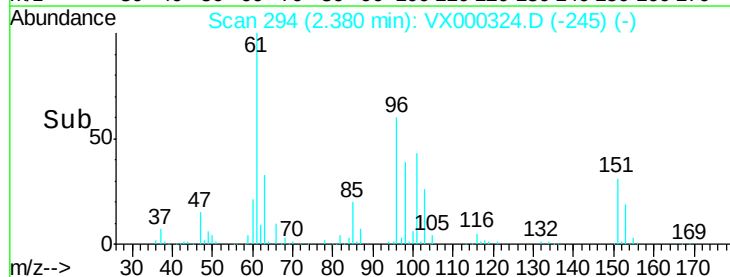
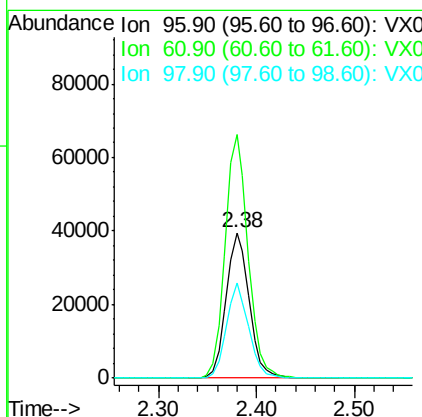
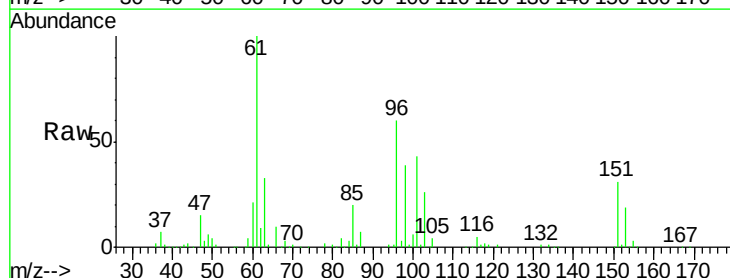
Manual Integrations
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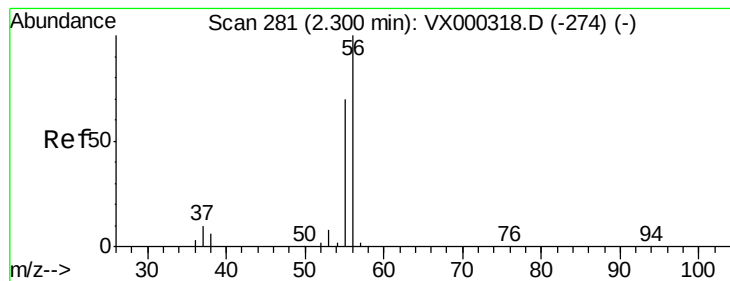
apatel
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#12
1,1-Dichloroethene
Concen: 40.99 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	96	Resp	64553
Ion Ratio	100	Lower	Upper
61	167.6	131.2	196.8
98	65.7	49.8	74.8





#13

Acrolein

Concen: 272.04 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75584

Ion Ratio Lower Upper

56 100

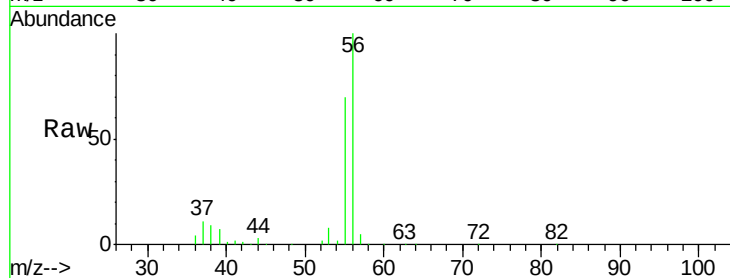
55 72.5 58.8 88.2

Manual Integrations

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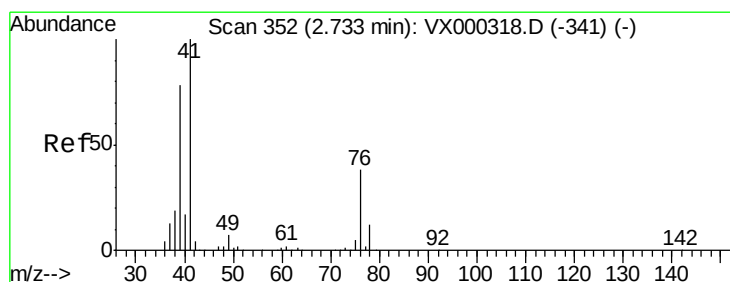
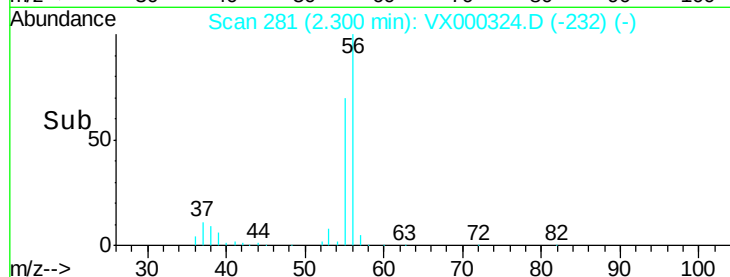
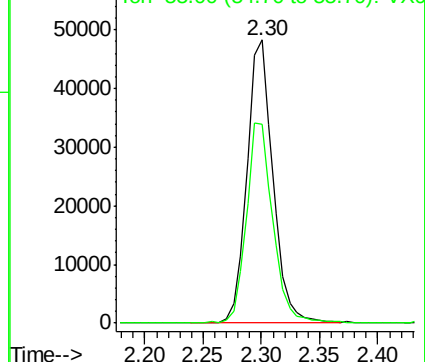
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 43.20 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

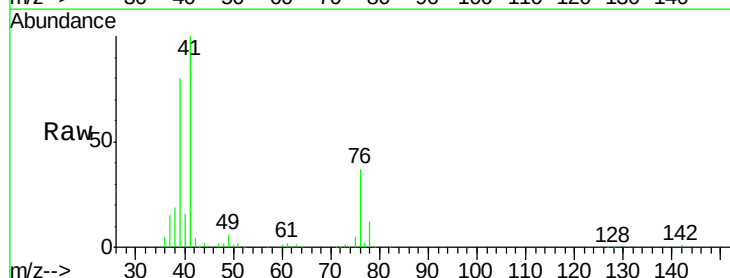
Tgt Ion: 41 Resp: 121313

Ion Ratio Lower Upper

41 100

39 72.6 57.6 86.4

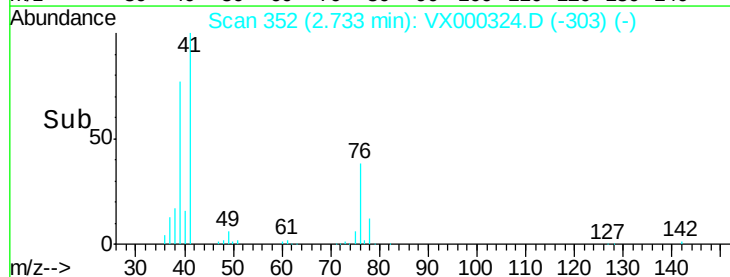
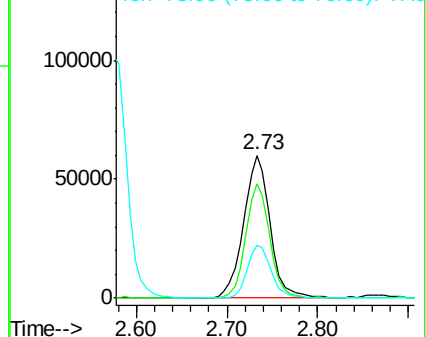
76 33.0 27.3 40.9

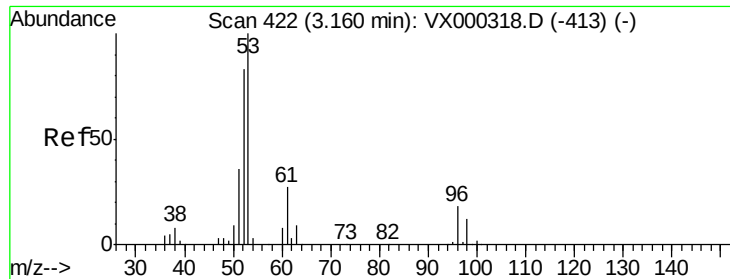


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 231.53 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

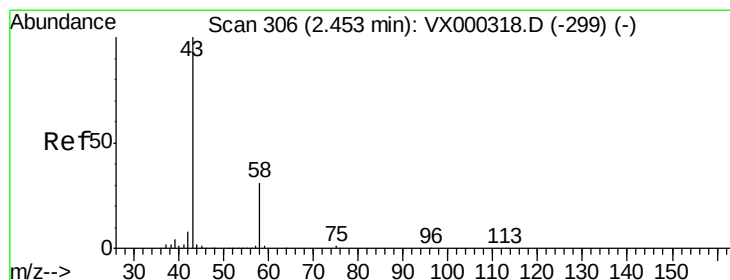
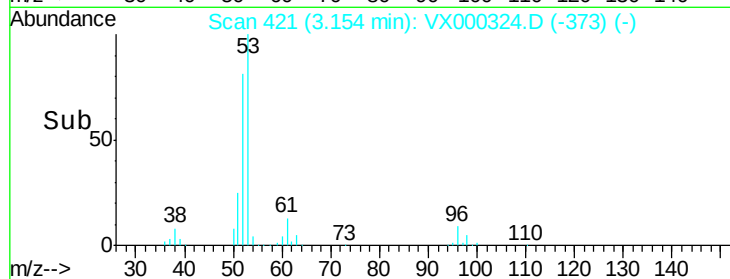
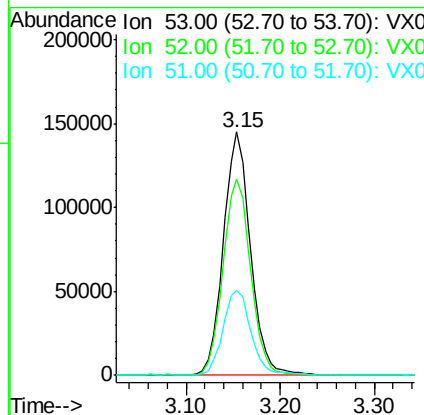
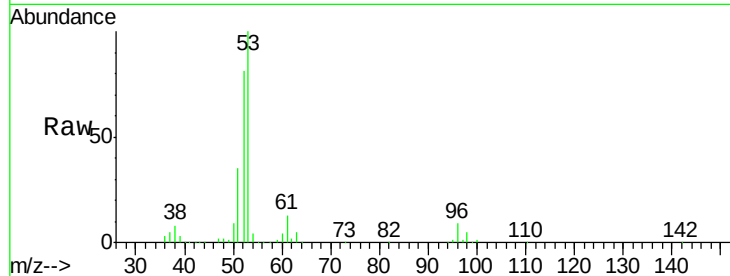
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	288306
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.6	99.8
51	36.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 242.28 ug/l

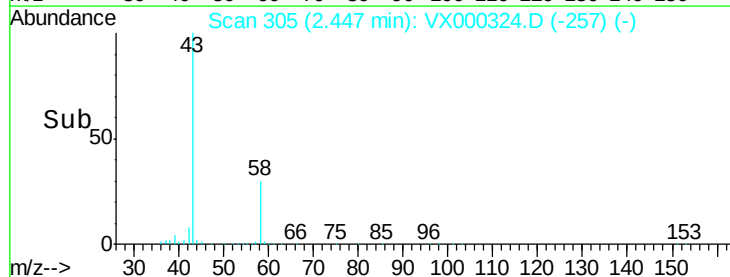
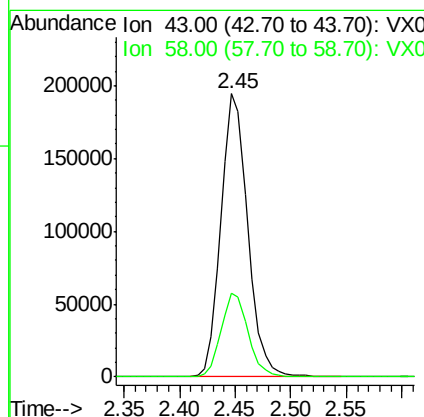
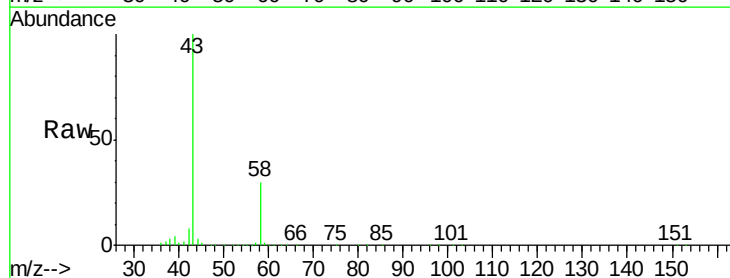
RT: 2.45 min Scan# 305

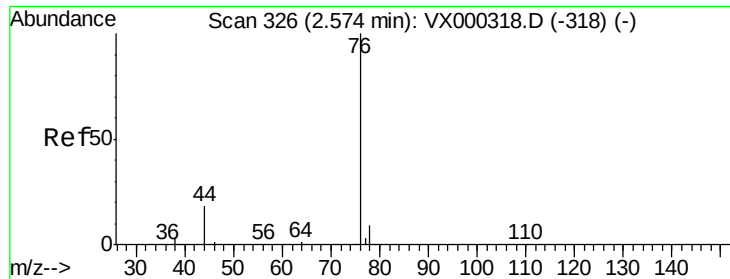
Delta R.T. -0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tgt Ion:	43	Resp:	322886
Ion Ratio		Lower	Upper
43	100		
58	29.7	24.7	37.1





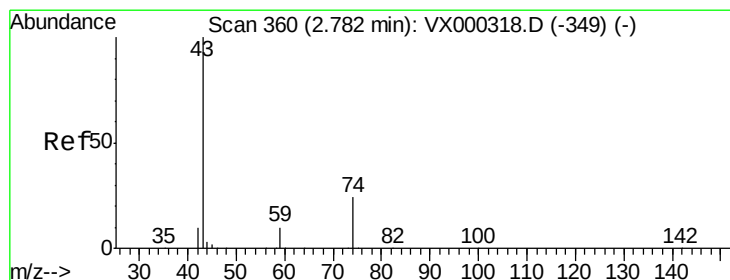
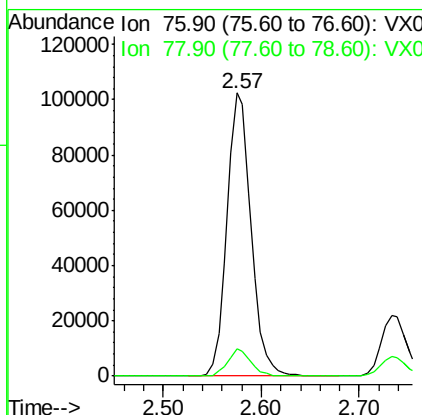
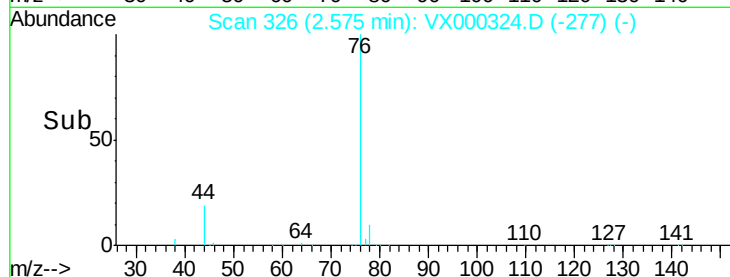
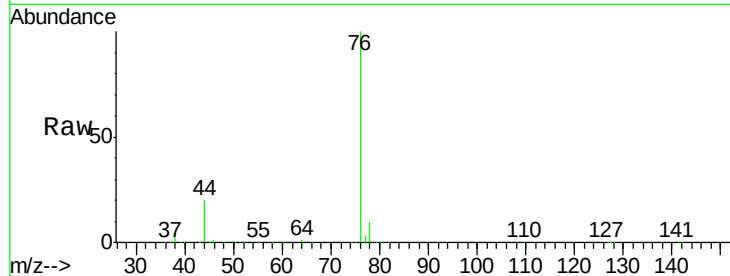
#17
Carbon Disulfide
Concen: 37.98 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

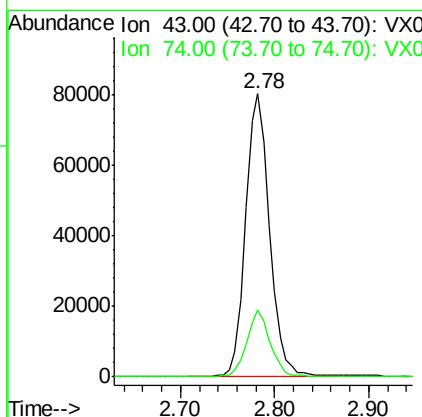
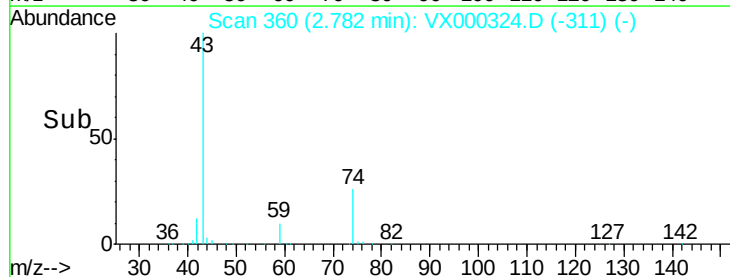
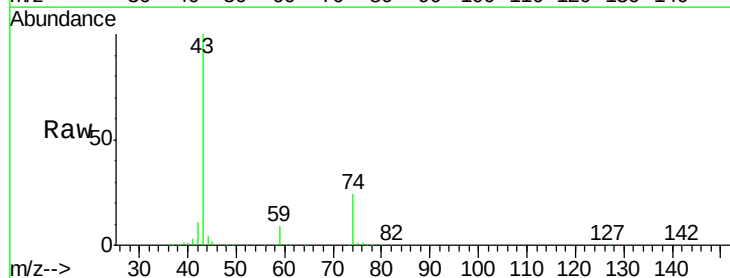
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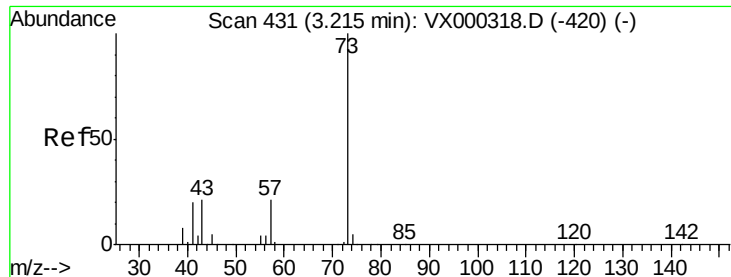
apatel
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#18
Methyl Acetate
Concen: 47.61 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.4	29.2





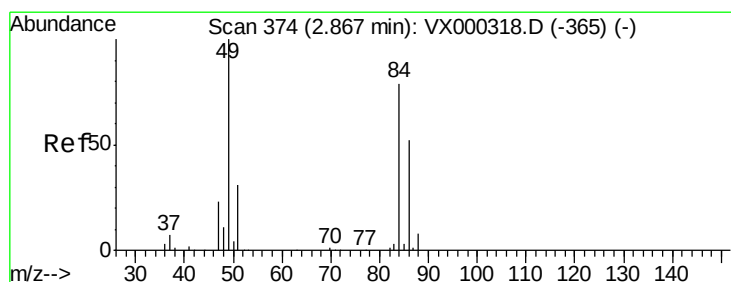
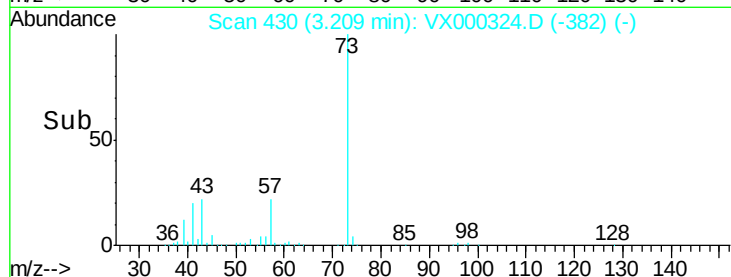
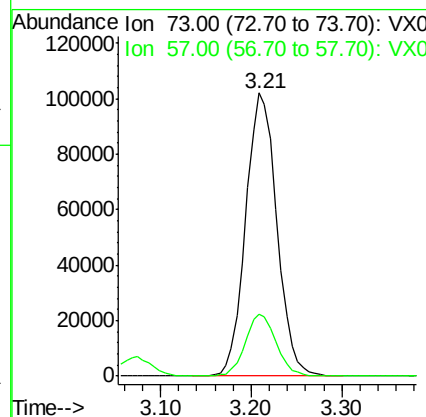
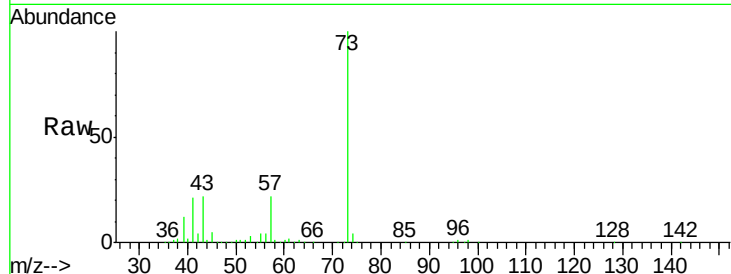
#19
Methyl tert-butyl Ether
Concen: 43.73 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.2	25.8

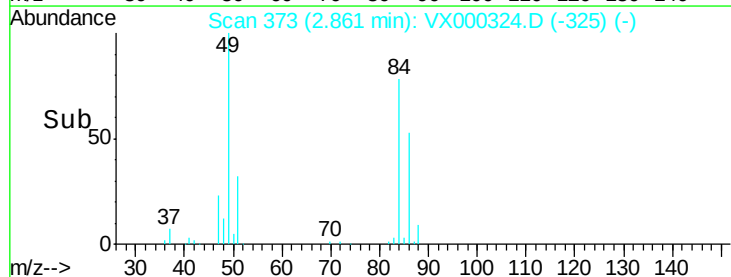
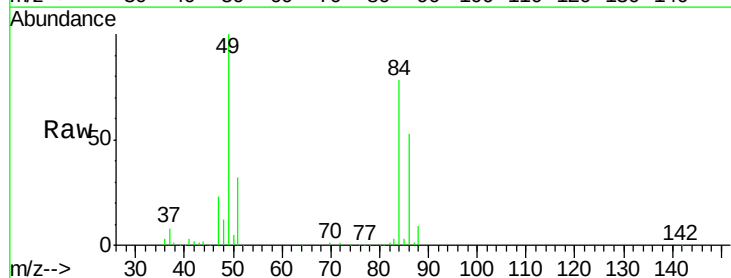
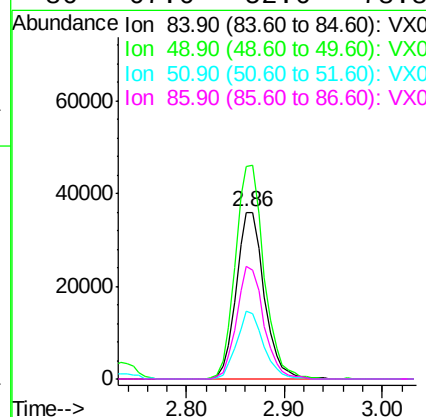
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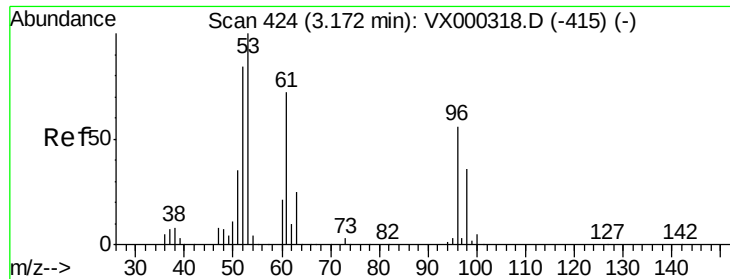
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#20
Methylene Chloride
Concen: 41.41 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.8	100.6	151.0
51	40.5	31.6	47.4
86	67.6	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 40.58 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

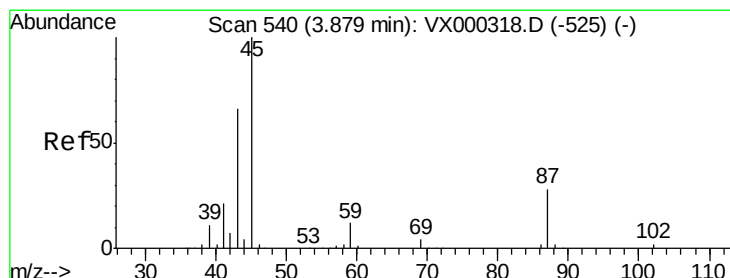
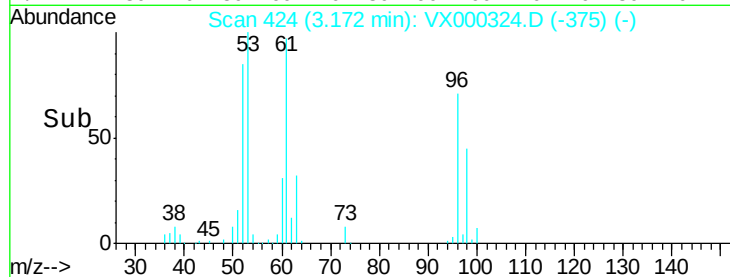
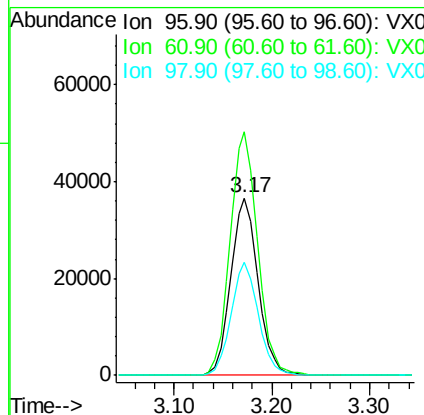
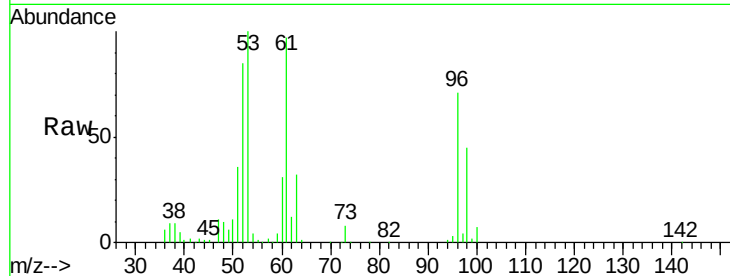
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	70659
Ion	Ratio	Lower	Upper
96	100		
61	137.1	104.0	156.0
98	63.5	52.1	78.1

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#22

Diisopropyl ether

Concen: 49.25 ug/l

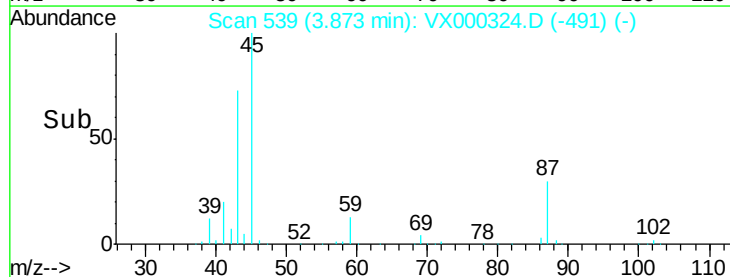
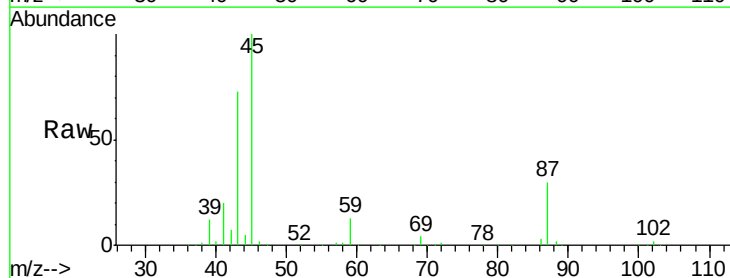
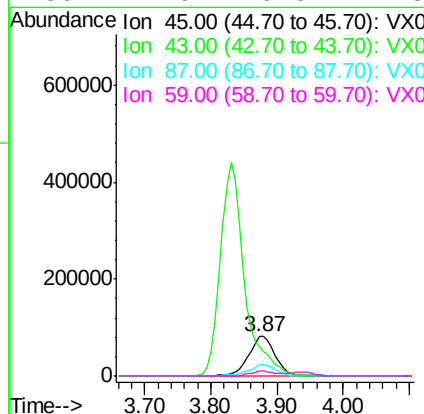
RT: 3.87 min Scan# 539

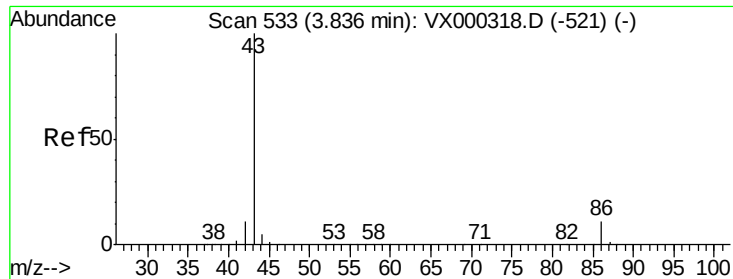
Delta R.T. -0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tgt Ion:	45	Resp:	230225
Ion	Ratio	Lower	Upper
45	100		
43	73.0	53.9	80.9
87	30.0	22.6	34.0
59	12.6	9.5	14.3





#23

Vinyl Acetate

Concen: 252.18 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tot Ion: 43 Resp: 1123526

Ion Ratio Lower Upper

43 100

86 10.3 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

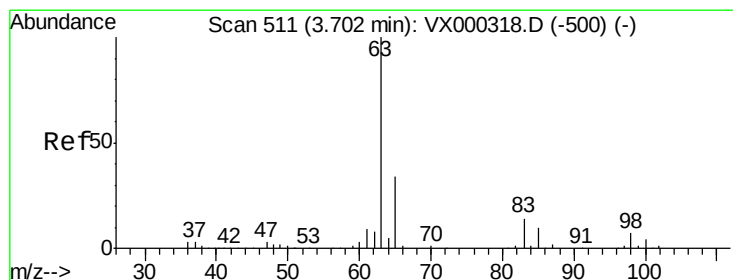
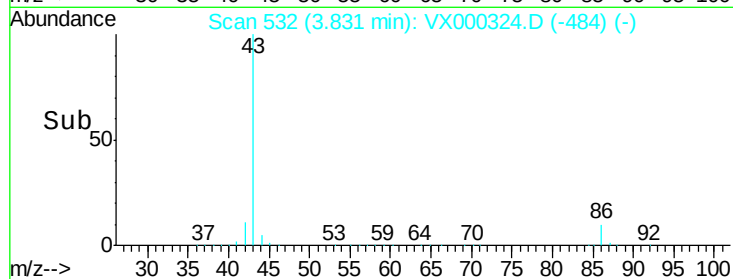
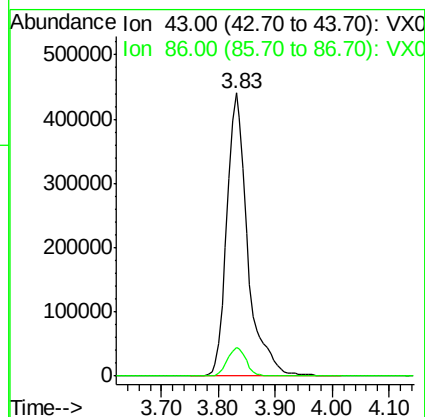
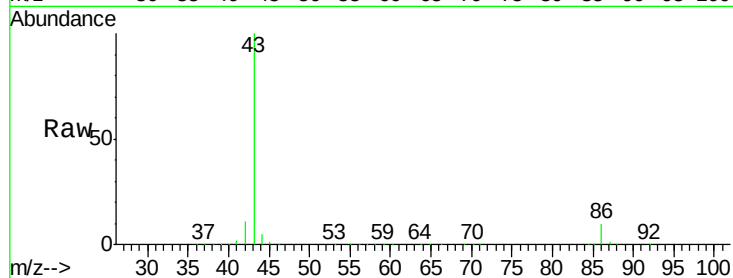
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 44.53 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

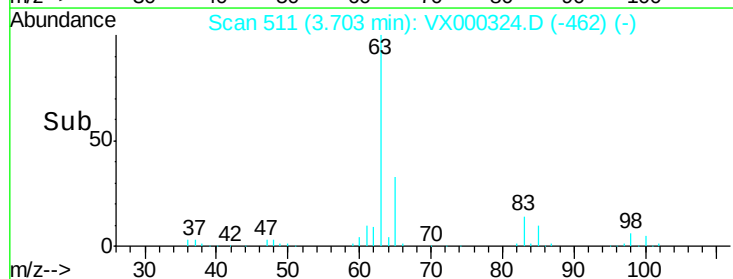
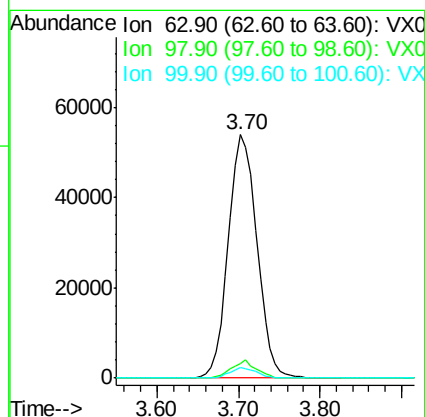
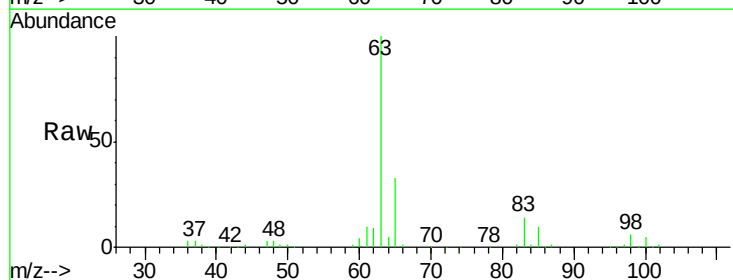
Tgt Ion: 63 Resp: 130935

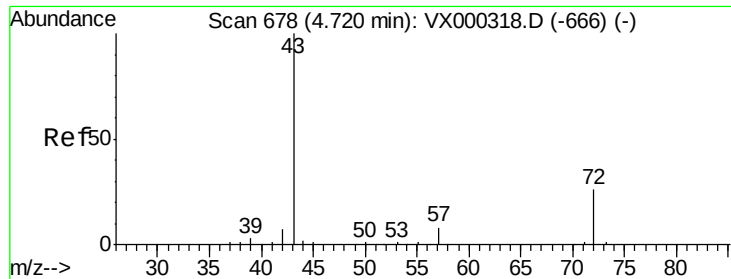
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

100 4.5 2.0 5.8





#25

2-Butanone

Concen: 260.87 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 41525

Ion Ratio Lower Upper

43 100

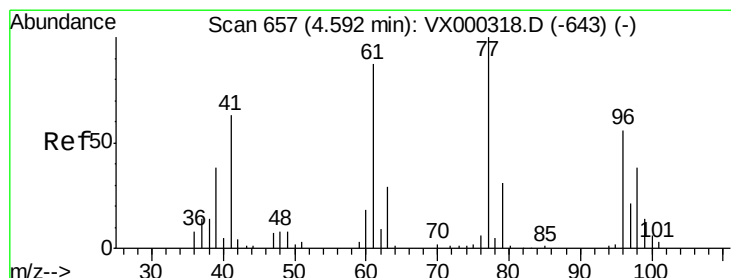
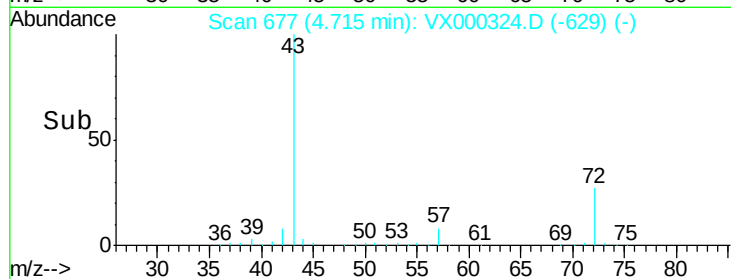
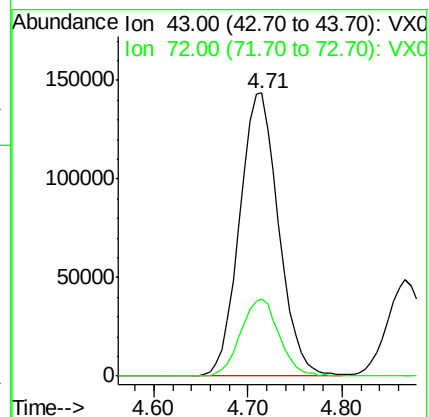
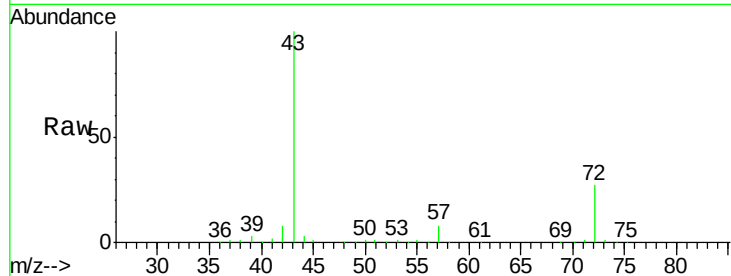
72 27.3 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.12 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000324.D

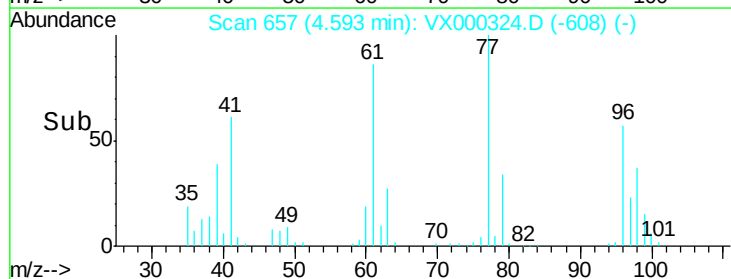
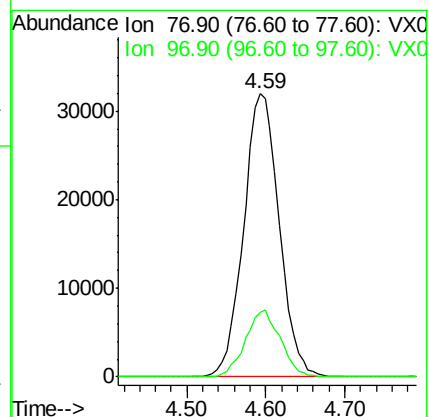
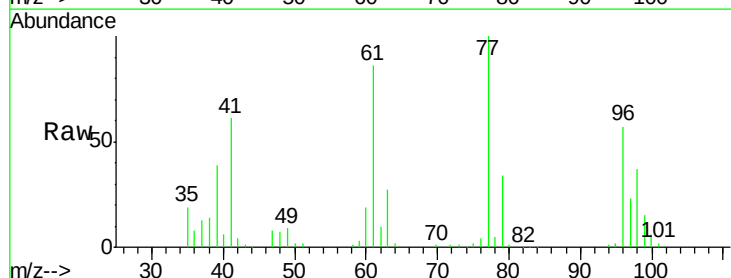
Acq: 15 Mar 2018 12:51

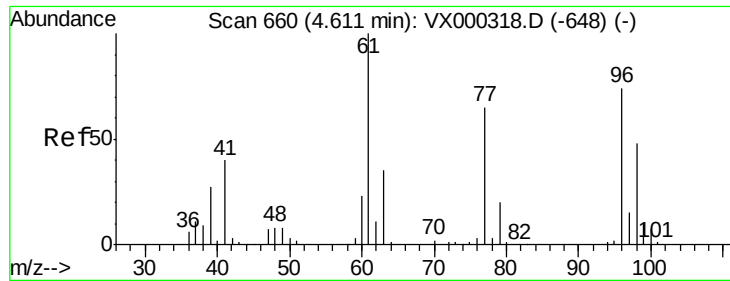
Tgt Ion: 77 Resp: 100014

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8





#27

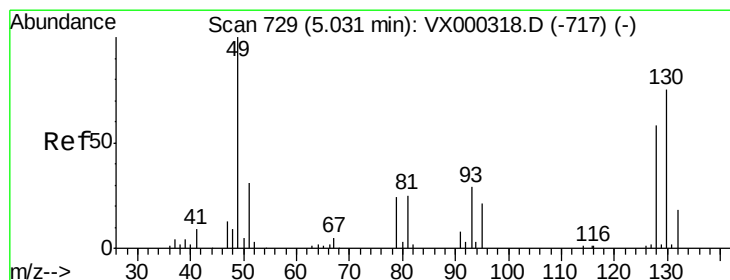
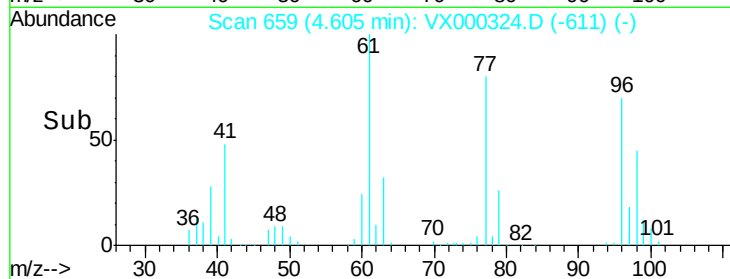
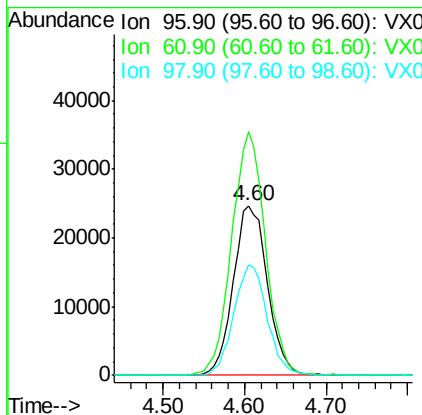
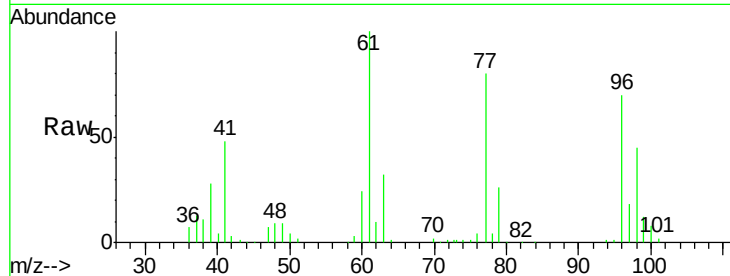
cis-1,2-Dichloroethene
Concen: 44.79 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	291.6
98	63.5	0.0	132.0

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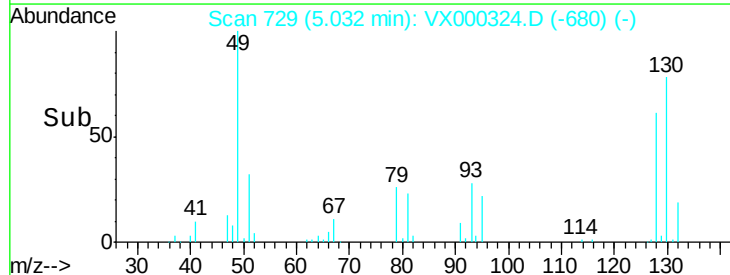
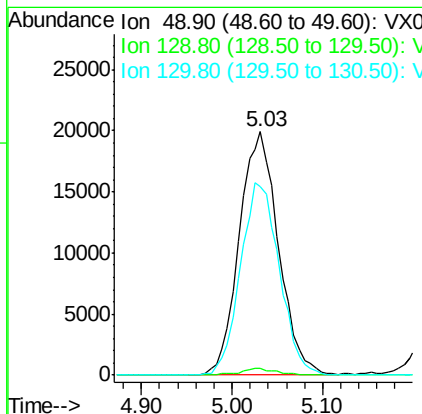
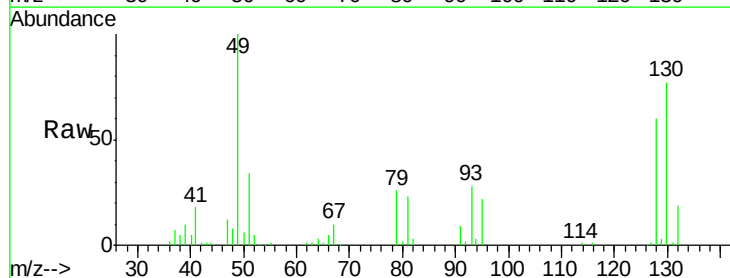
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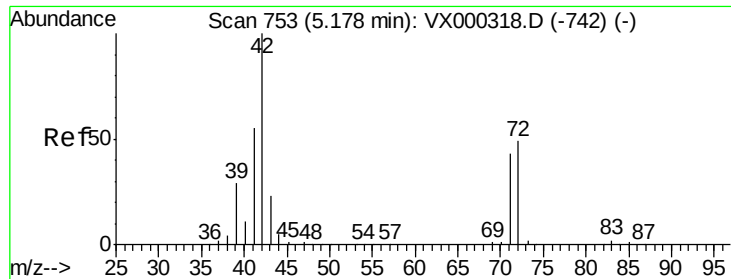


#28

Bromochloromethane
Concen: 48.21 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	78.4	64.0	96.0





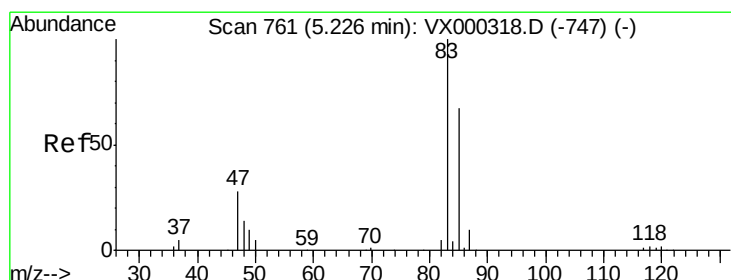
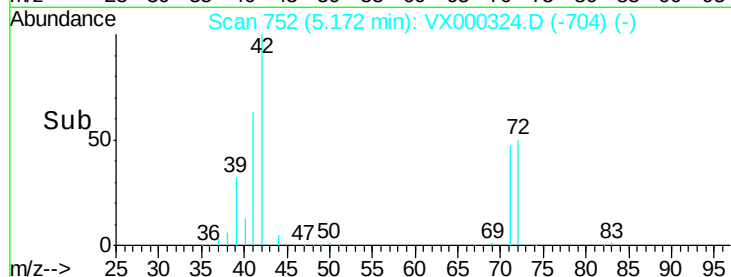
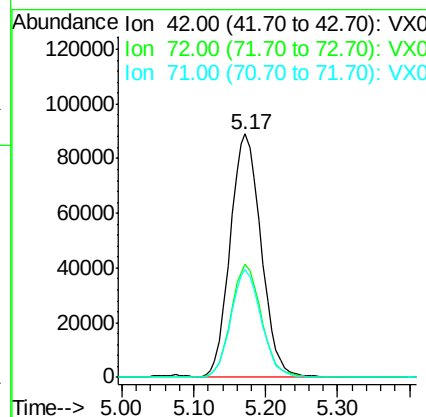
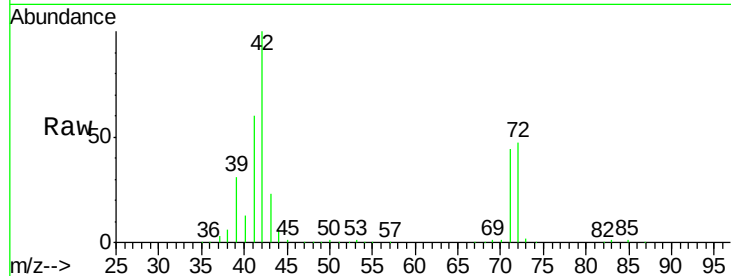
#29
Tetrahydrofuran
Concen: 258.44 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.9	56.9
71	43.5	34.4	51.6

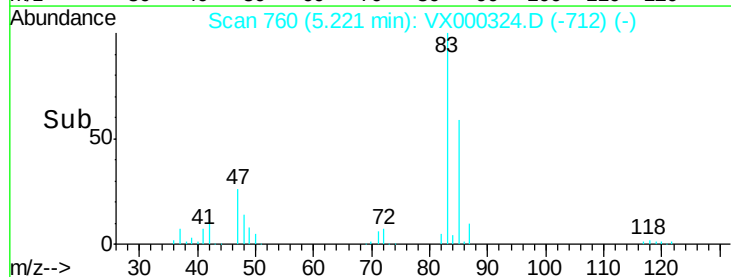
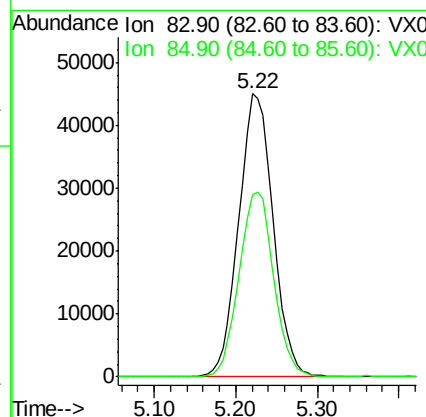
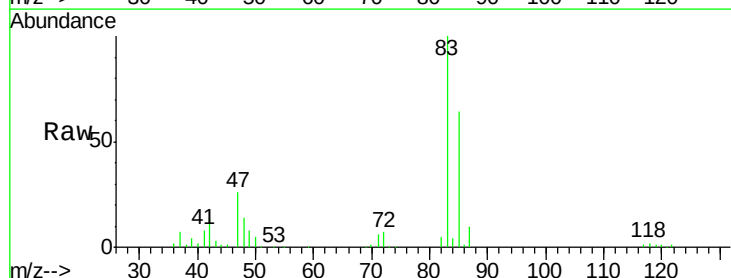
Manual Integrations
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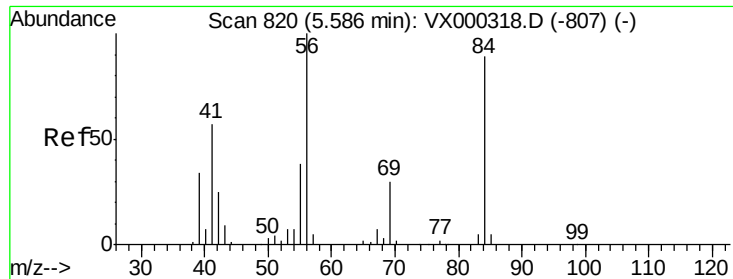
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#30
Chloroform
Concen: 47.51 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.3	79.9





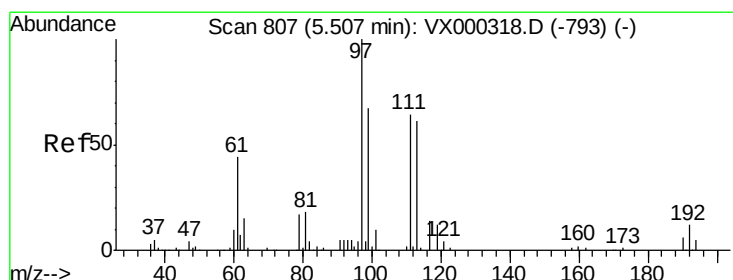
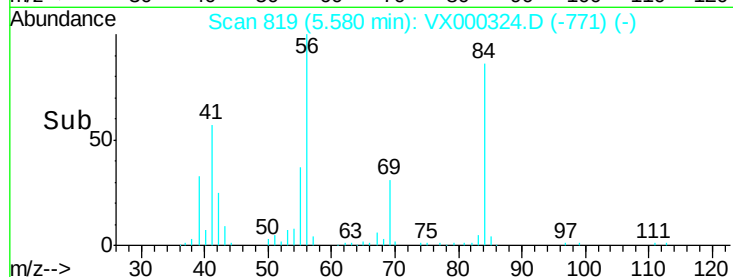
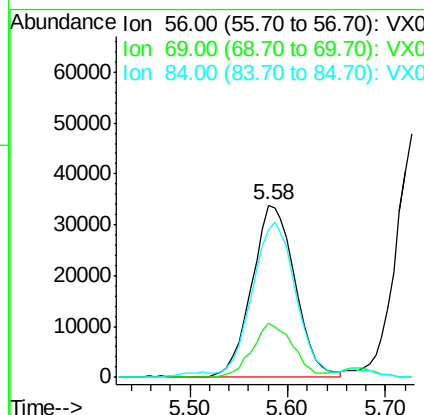
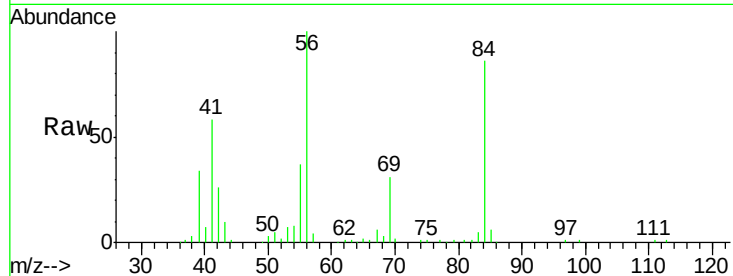
#31
Cyclohexane
Concen: 46.08 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.4	35.0
84	83.4	71.0	106.4

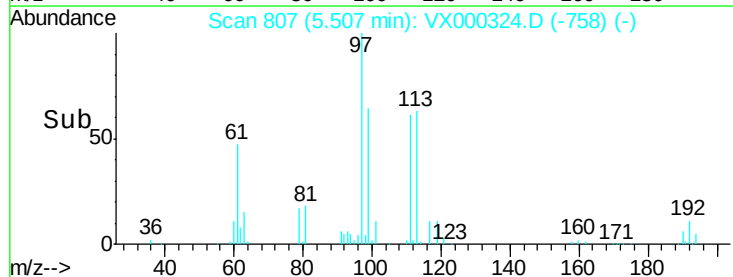
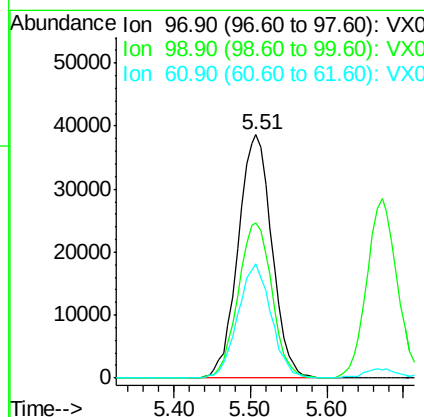
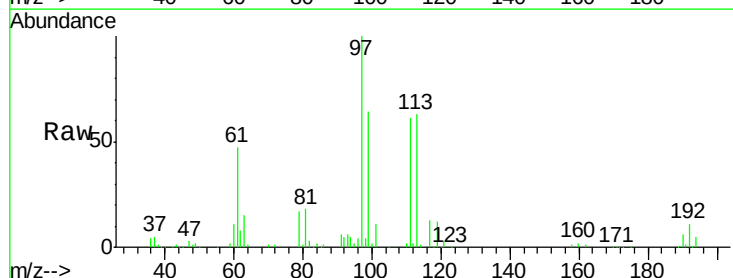
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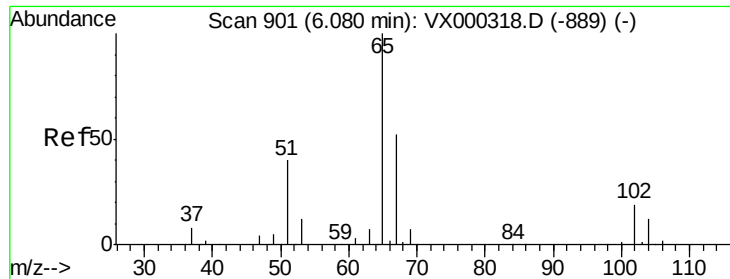
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#32
1,1,1-Trichloroethane
Concen: 48.08 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.1	78.1
61	46.5	36.2	54.4





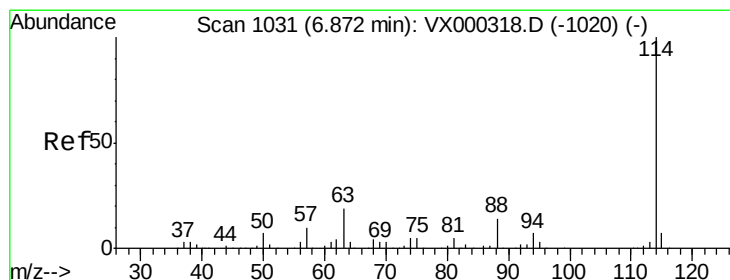
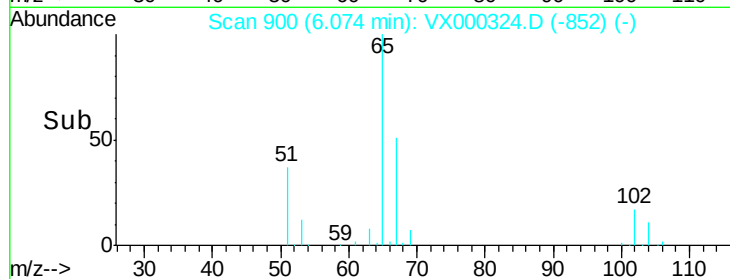
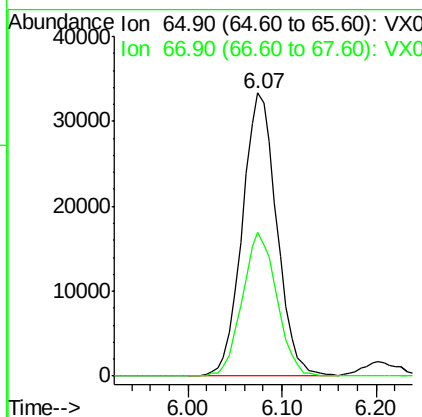
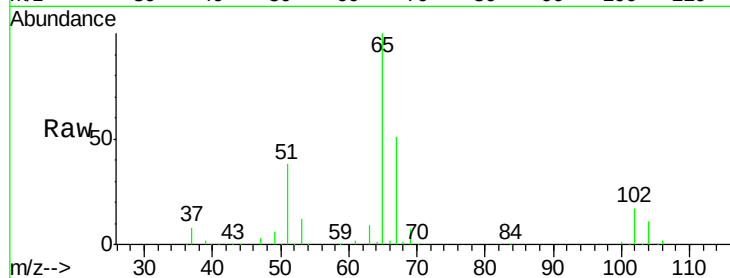
#33
 1,2-Dichloroethane-d4
 Concen: 42.83 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	85490		
67	50.7	0.0	103.2	

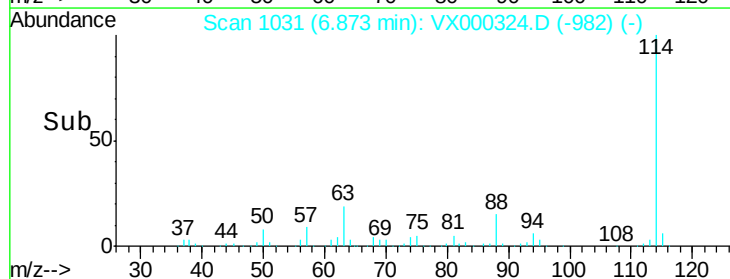
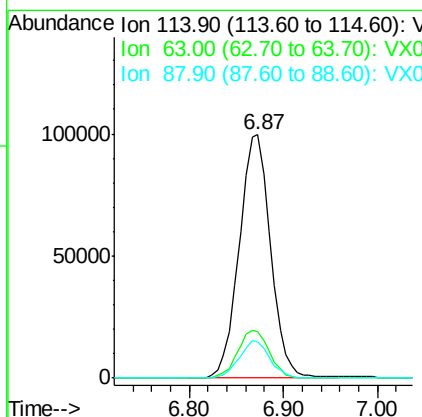
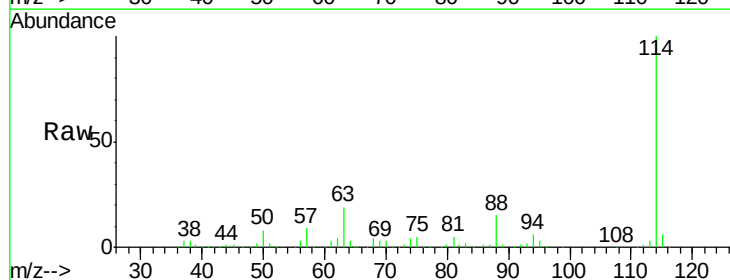
Manual Integrations
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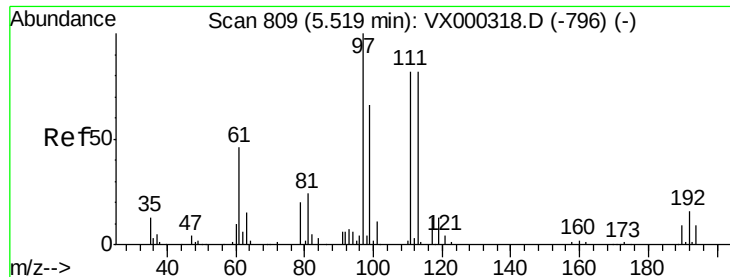
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	232461		
63	19.1	0.0	38.4	
88	14.7	0.0	27.0	





#35

Dibromofluoromethane

Concen: 46.09 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 67598

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

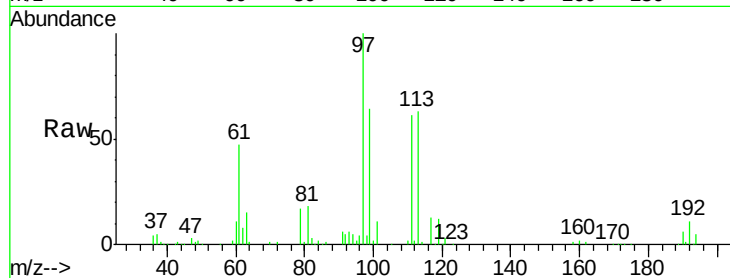
192 20.1 15.8 23.6

Manual Integrations

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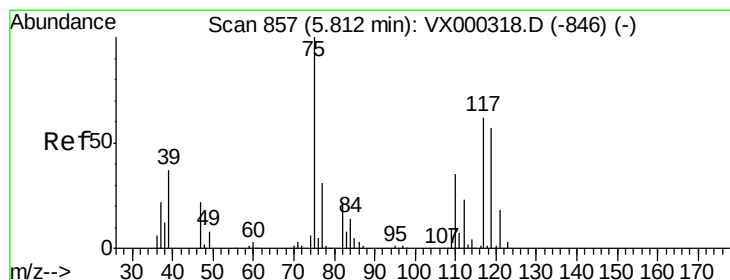
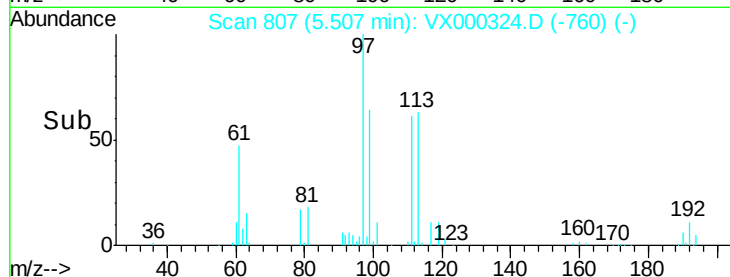
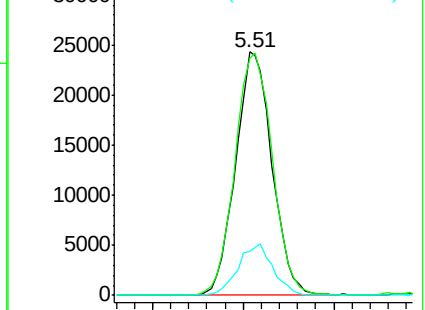
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.86 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

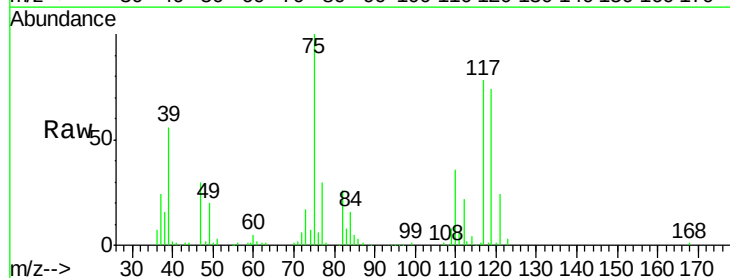
Tgt Ion: 75 Resp: 96859

Ion Ratio Lower Upper

75 100

110 36.0 17.9 53.7

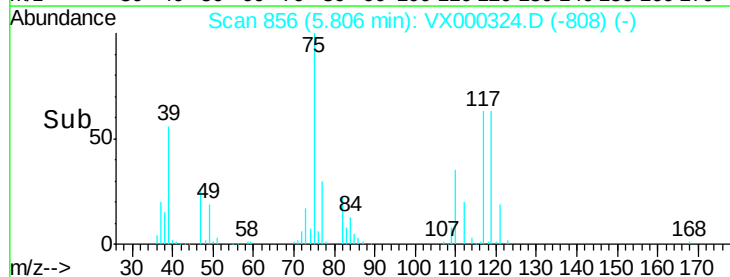
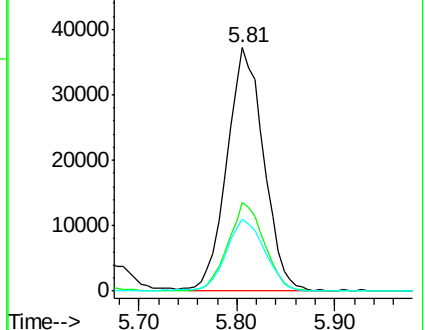
77 31.3 24.0 36.0

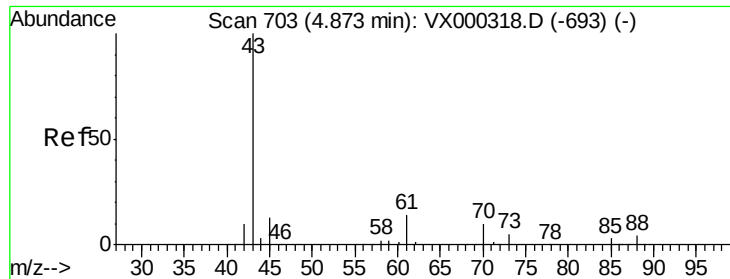


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





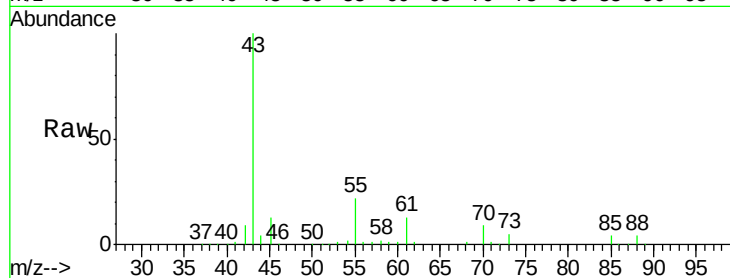
#37
Ethyl Acetate
Concen: 49.47 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

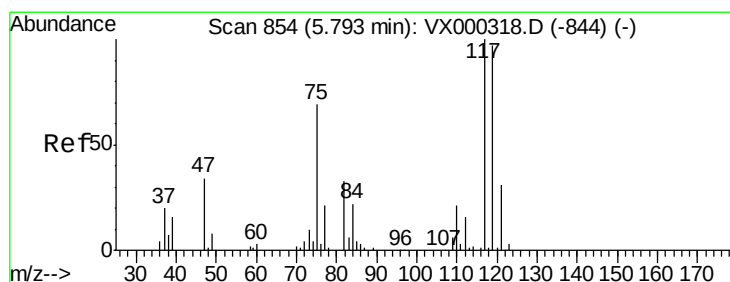
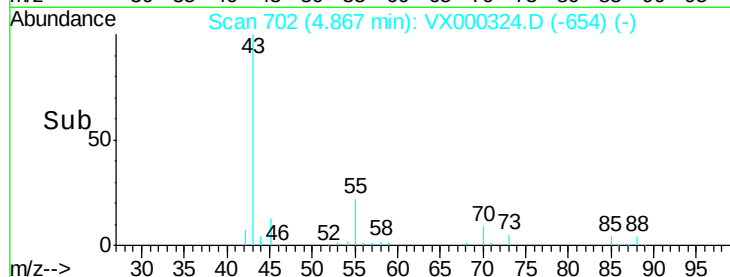
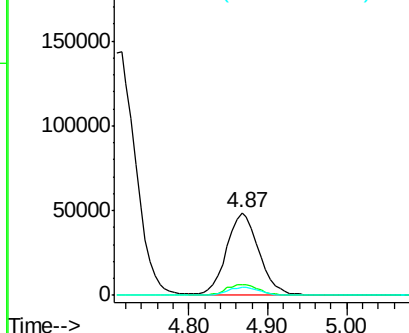
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.1	16.7
70	9.5	7.7	11.5

Manual Integrations
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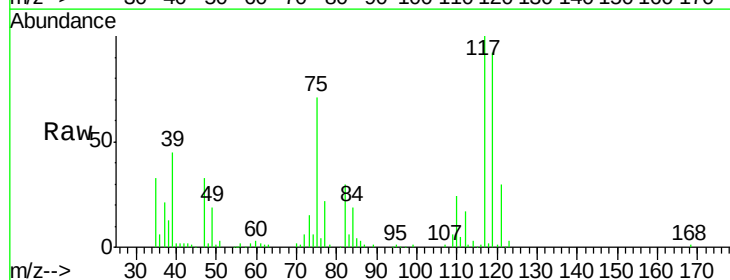


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

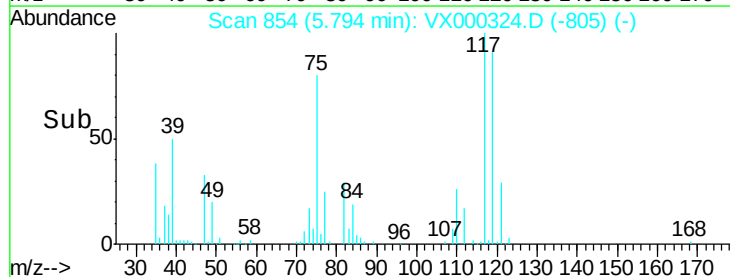
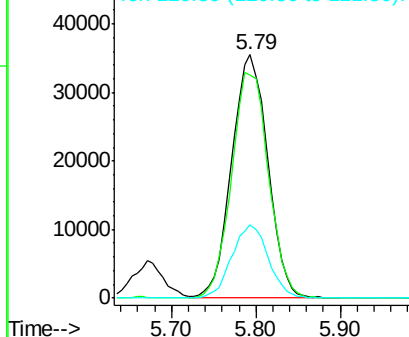


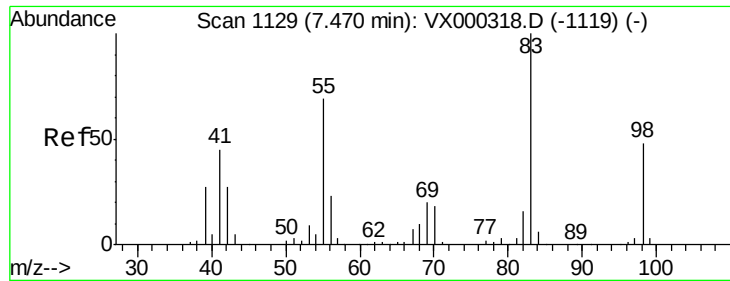
#38
Carbon Tetrachloride
Concen: 48.59 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.4	116.2
121	29.9	24.8	37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





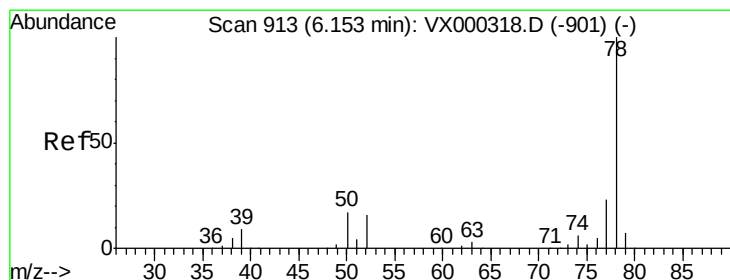
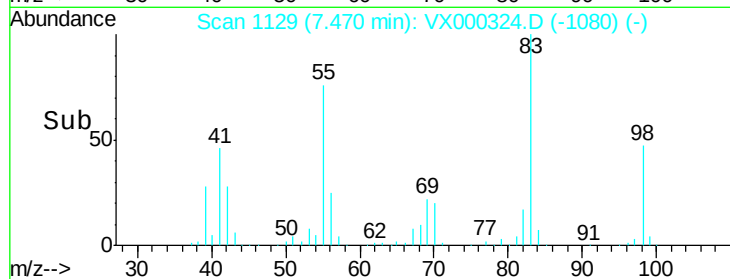
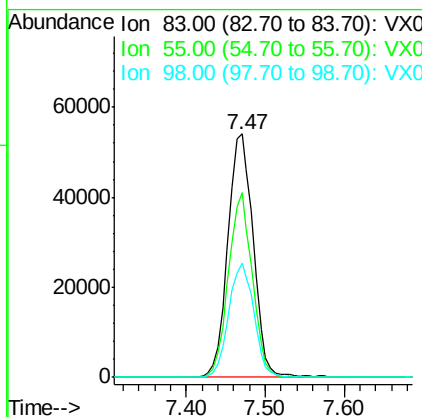
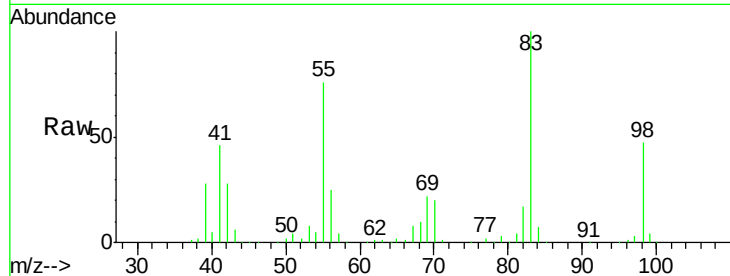
#39
Methylvlcyclohexane
Concen: 49.23 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	55.5	83.3
98	46.8	38.2	57.4

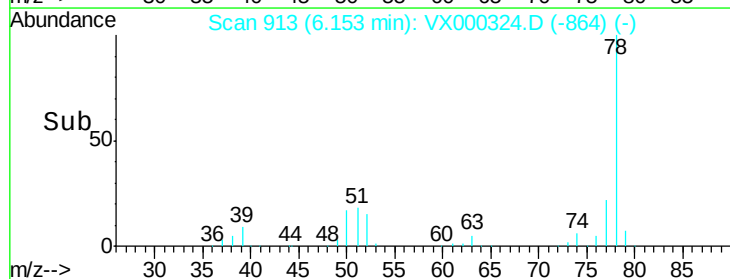
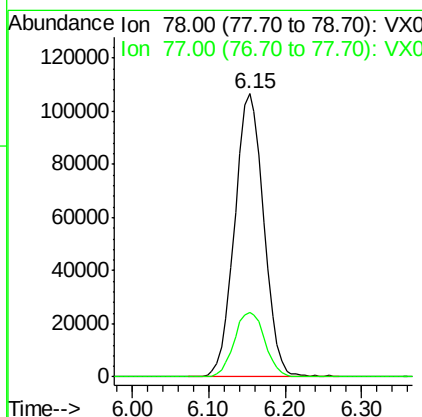
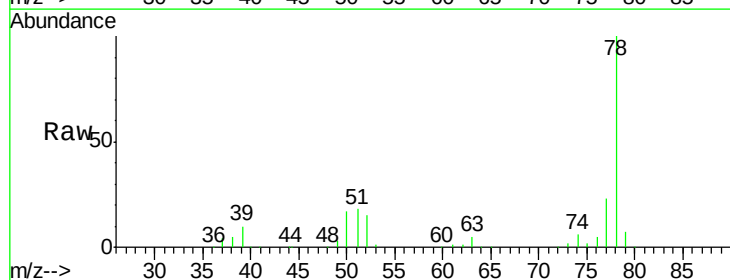
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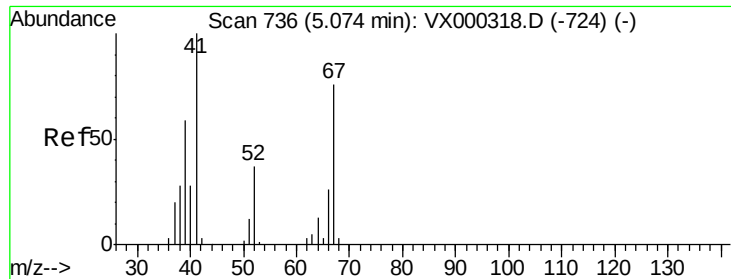
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#40
Benzene
Concen: 46.90 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.7	28.1





#41

Methacrylonitrile

Concen: 48.95 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

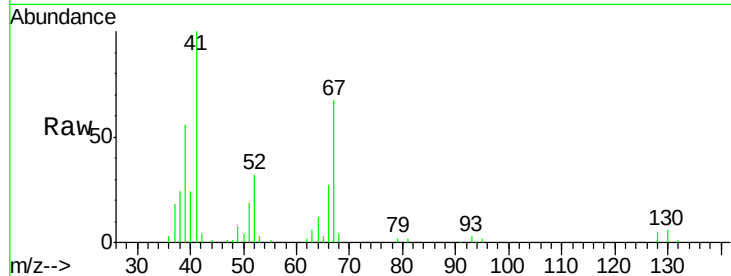
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.1	45.7	68.5	
67	73.3	57.8	86.8	
52	32.8	26.7	40.1	

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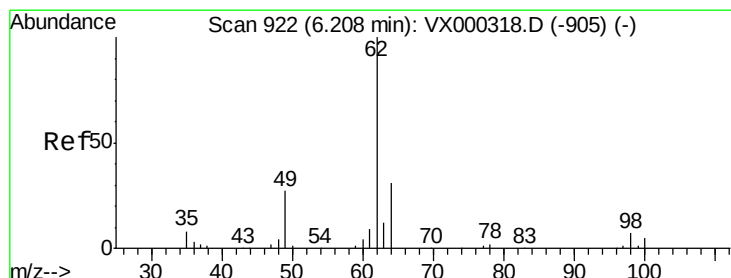
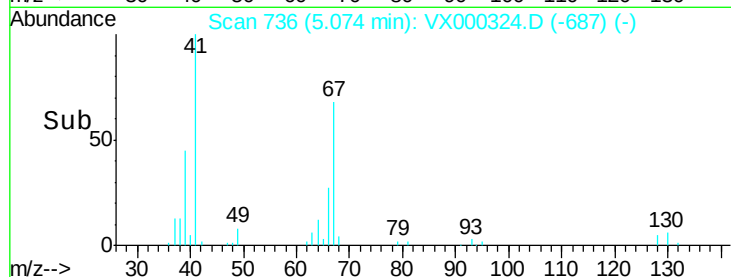
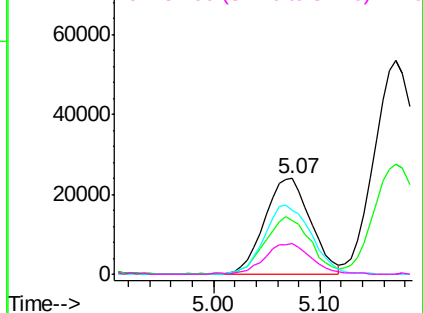
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.16 ug/l

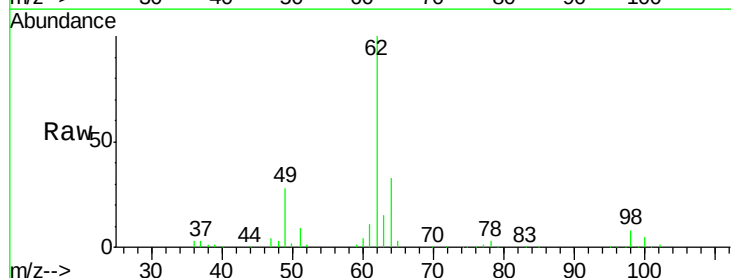
RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

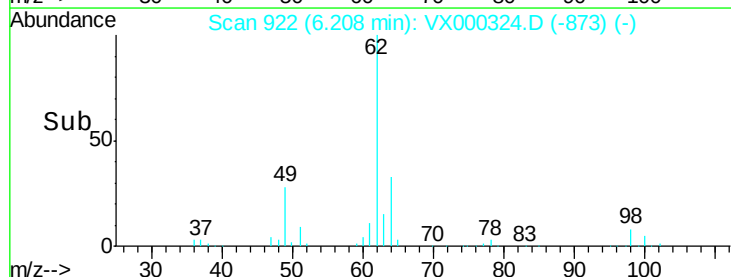
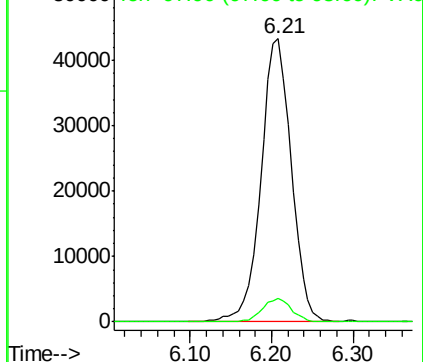
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	15.8	

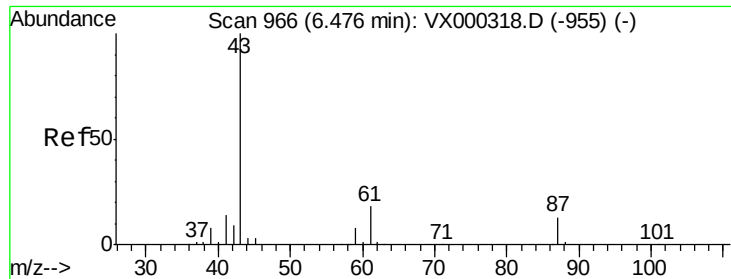


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





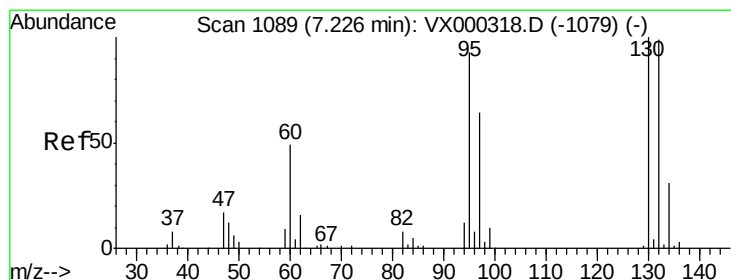
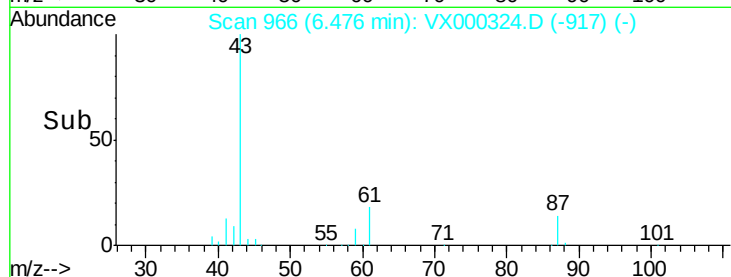
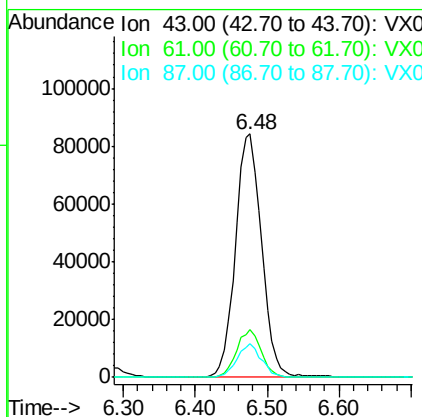
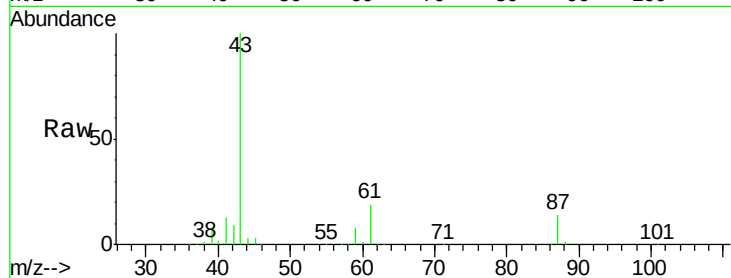
#43
Isopropyl Acetate
Concen: 52.50 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.4	21.6
87	12.9	11.0	16.4

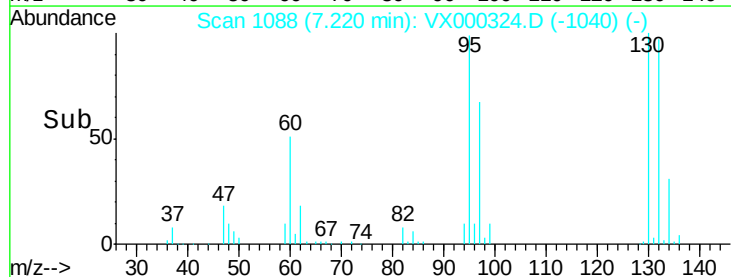
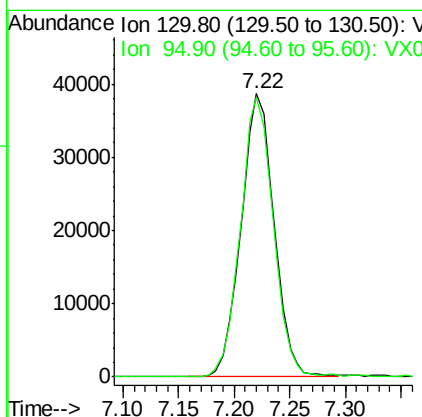
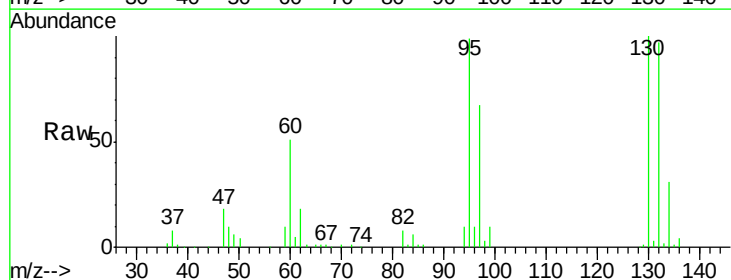
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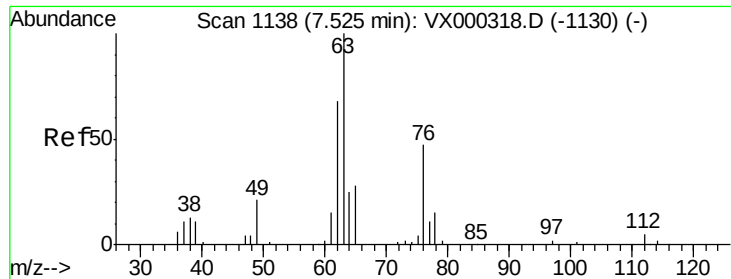
apatel
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#44
Trichloroethene
Concen: 45.85 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	186.0





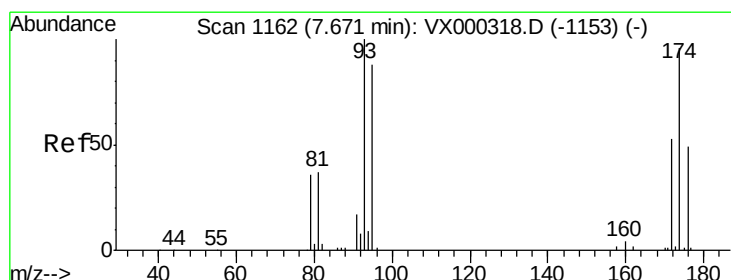
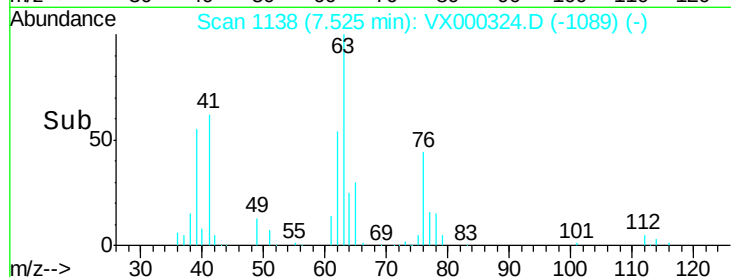
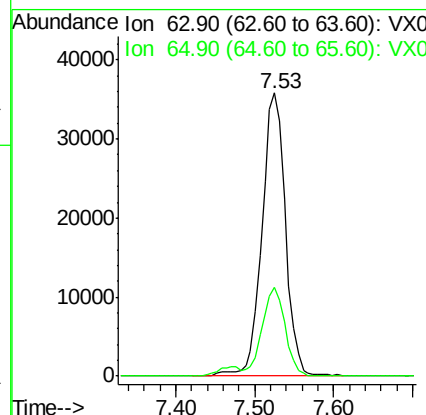
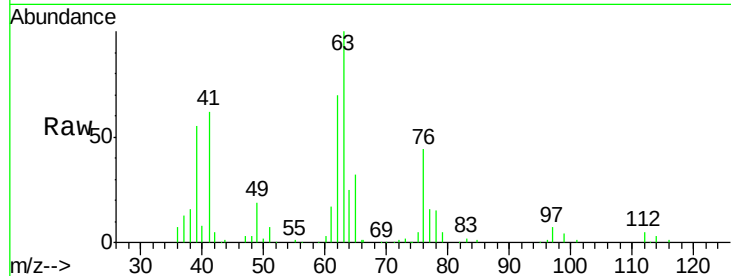
#45
 1,2-Dichloropropane
 Concen: 50.26 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 74273
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 36.8

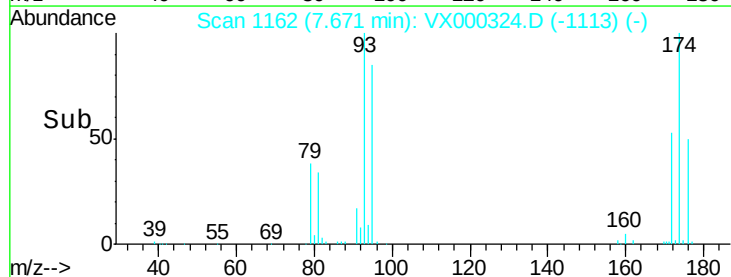
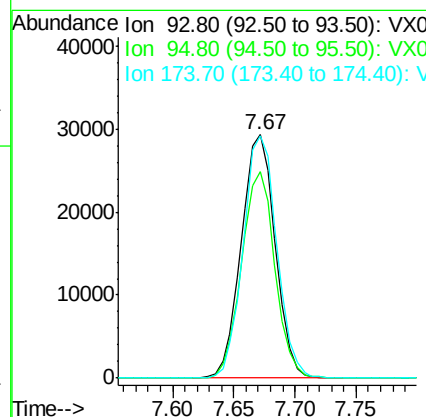
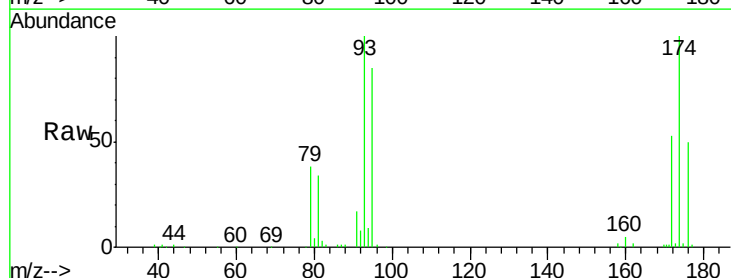
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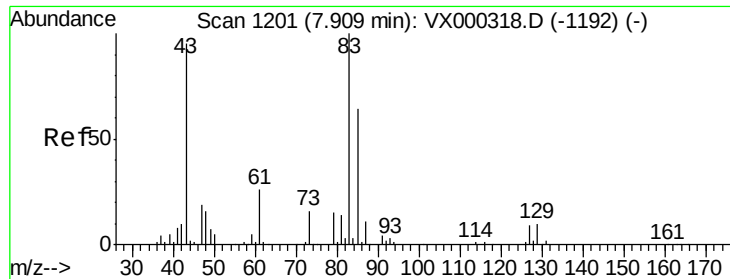
apatel
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#46
 Dibromomethane
 Concen: 47.43 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Tgt Ion: 93 Resp: 56304
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.5 99.7
 174 99.2 76.0 114.0





#47

Bromodichloromethane

Concen: 50.22 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

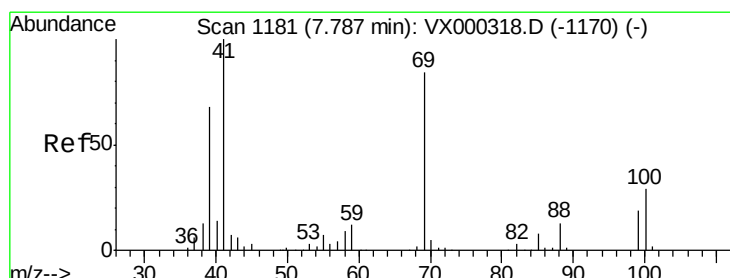
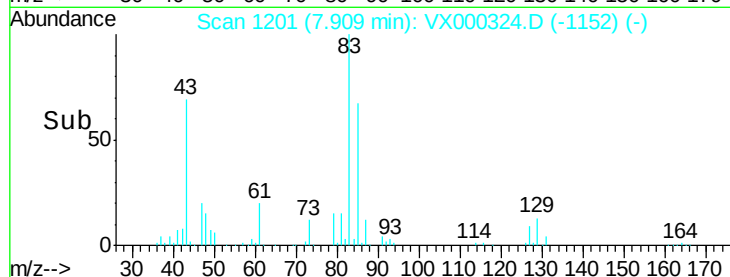
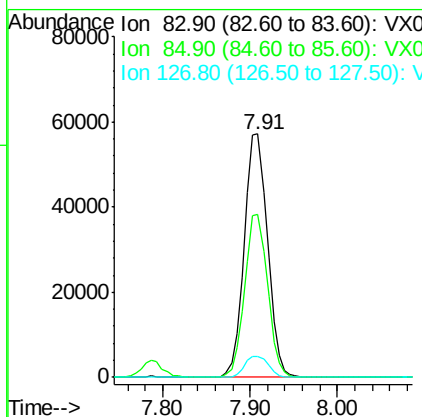
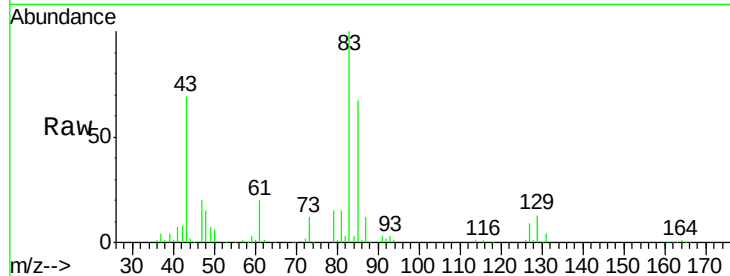
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	105830
Ion Ratio	Lower	Upper	
83	100		
85	66.8	51.4	77.0
127	8.5	7.0	10.6

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#48

Methyl methacrylate

Concen: 50.19 ug/l

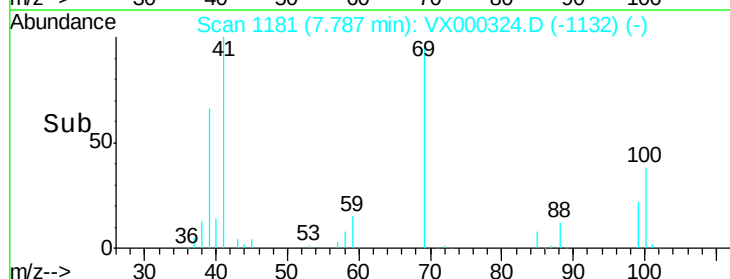
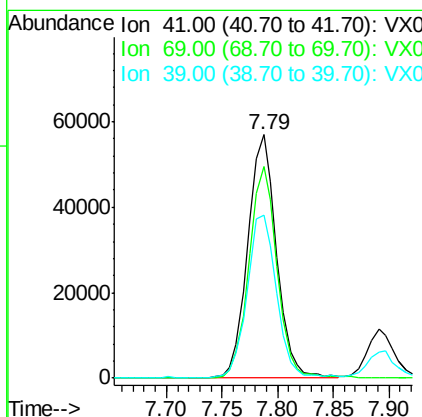
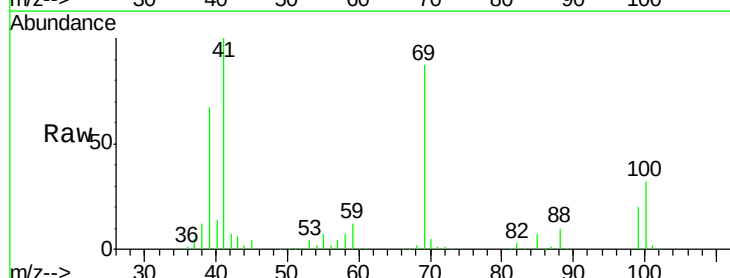
RT: 7.79 min Scan# 1181

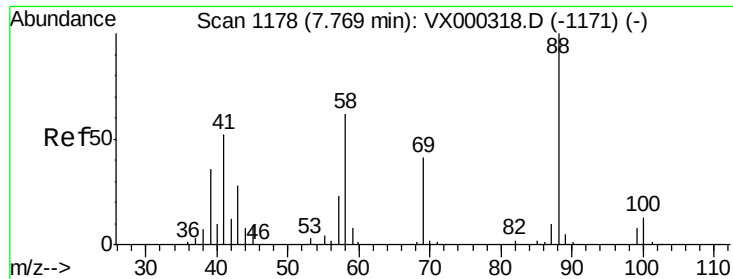
Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tgt Ion:	41	Resp:	102825
Ion Ratio	Lower	Upper	
41	100		
69	85.1	68.2	102.4
39	68.2	54.6	81.8





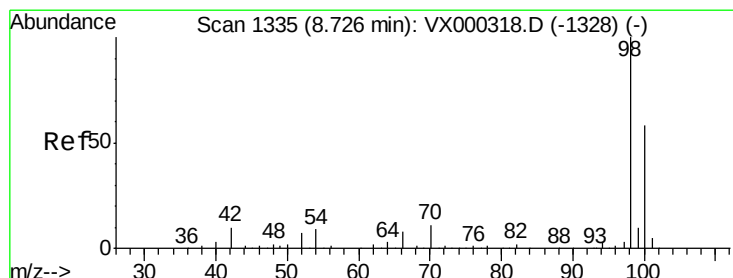
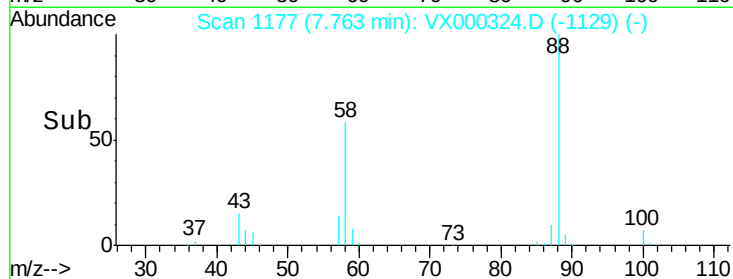
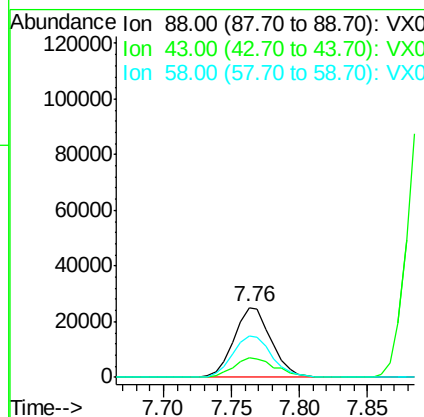
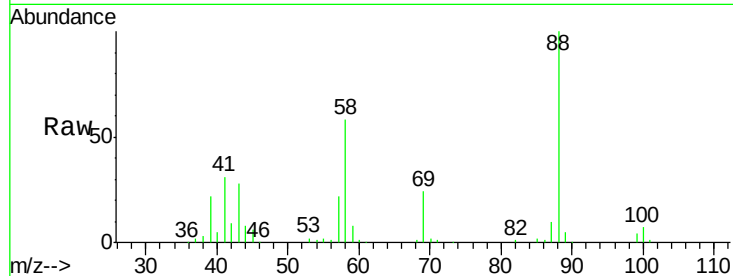
#49
1,4-Dioxane
Concen: 1031.42 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.8	40.2
58	62.6	52.2	78.2

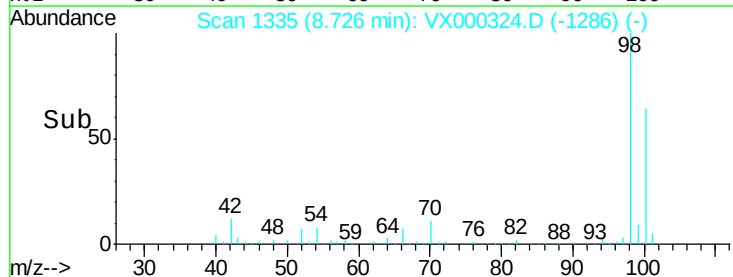
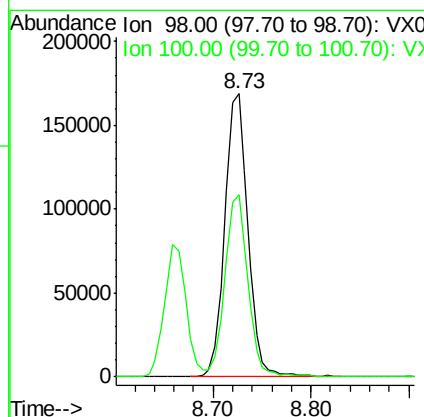
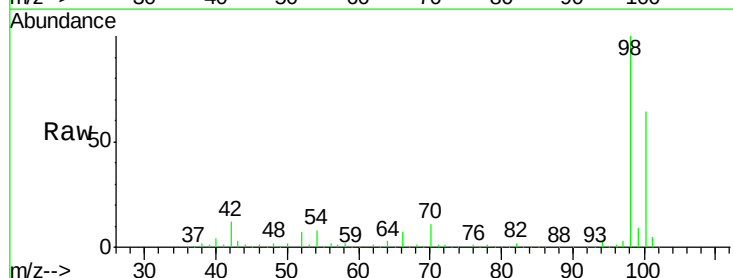
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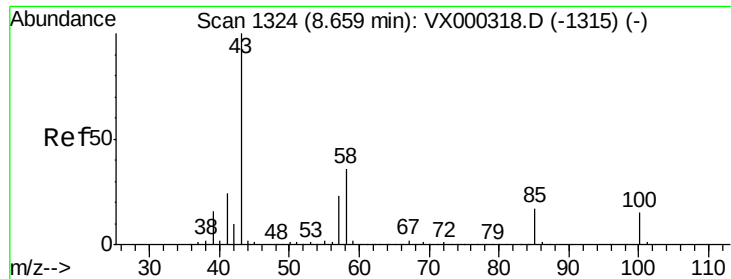
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#50
Toluene-d8
Concen: 45.45 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 263.50 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 829063

Ion Ratio Lower Upper

43 100

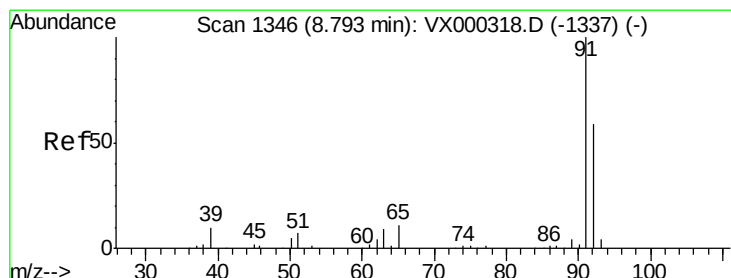
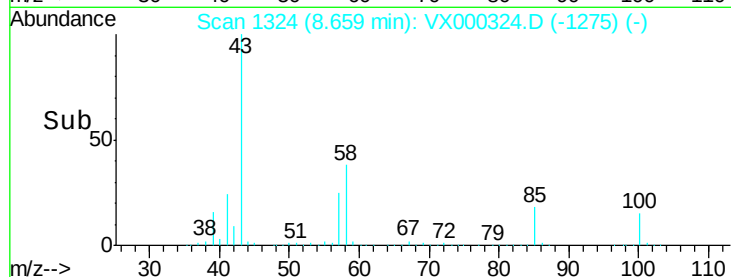
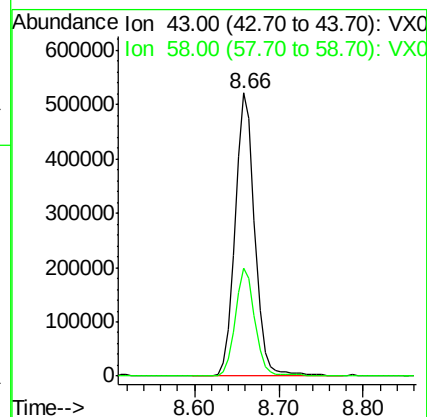
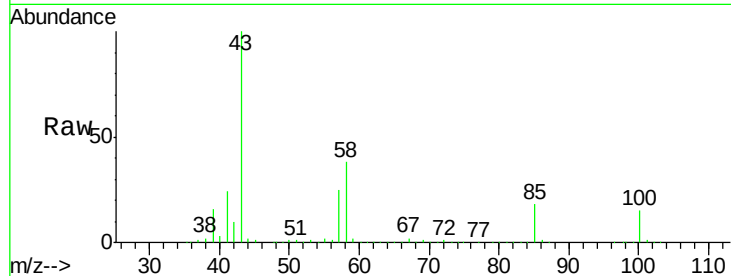
58 38.5 30.3 45.5

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#52

Toluene

Concen: 47.16 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000324.D

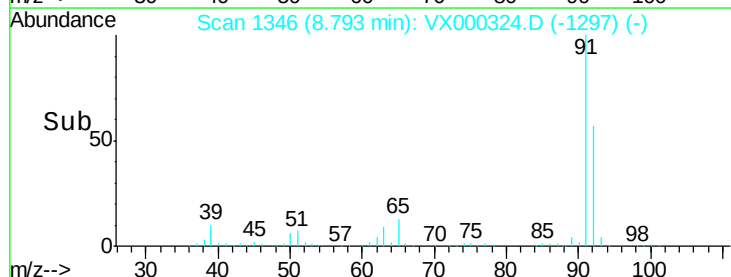
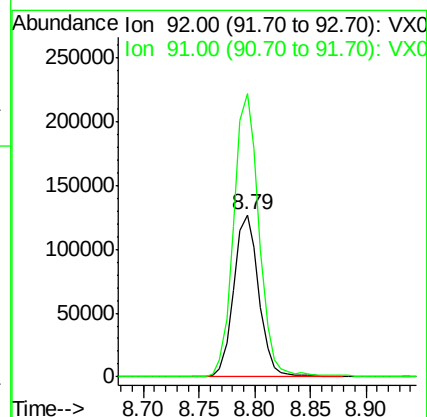
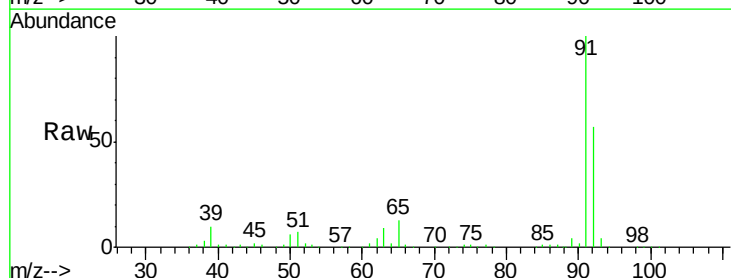
Acq: 15 Mar 2018 12:51

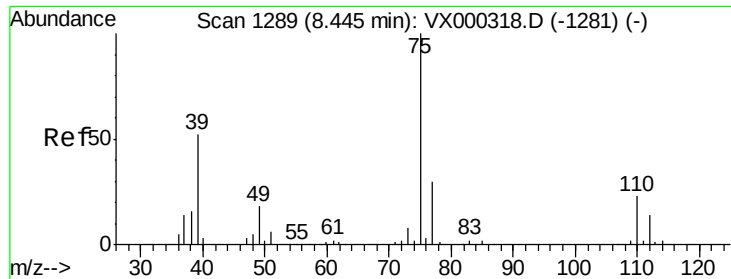
Tgt Ion: 92 Resp: 198521

Ion Ratio Lower Upper

92 100

91 177.7 140.2 210.2





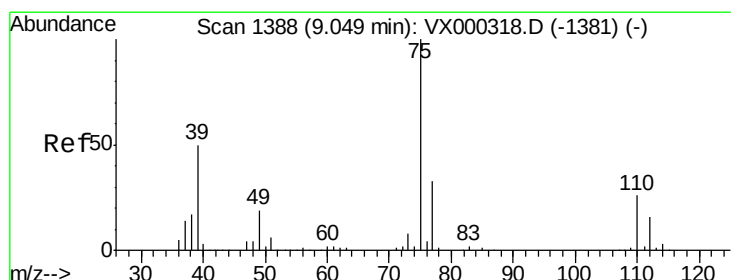
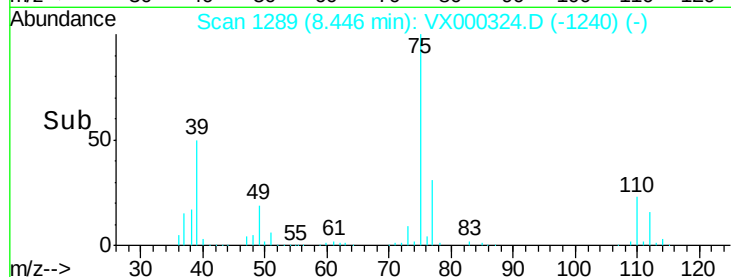
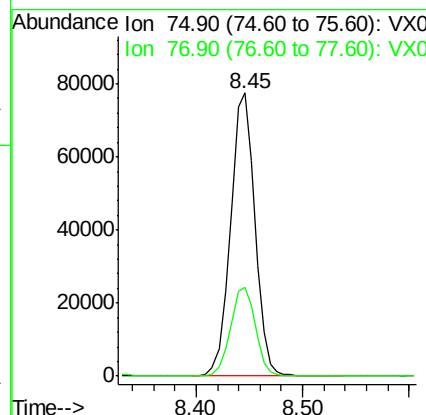
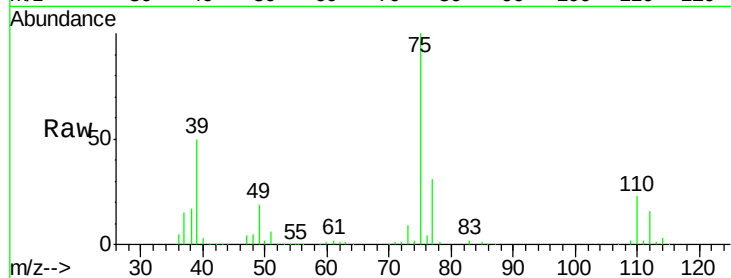
#53
 t-1,3-Dichloropropene
 Concen: 51.16 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.0	36.0

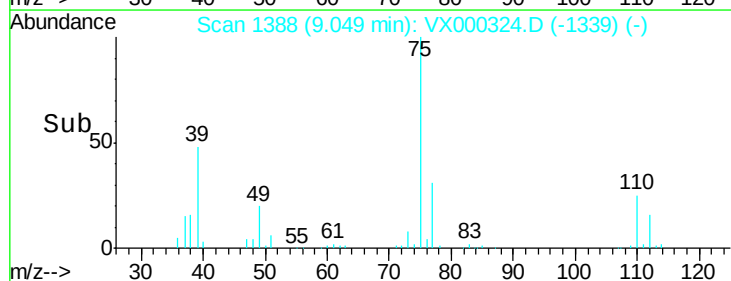
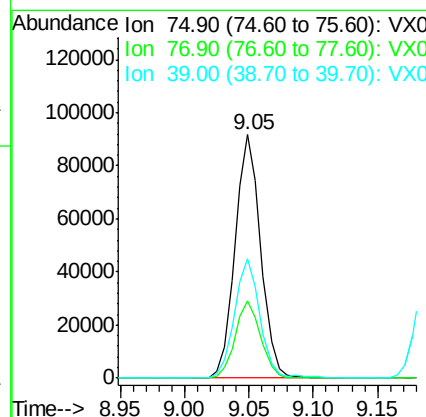
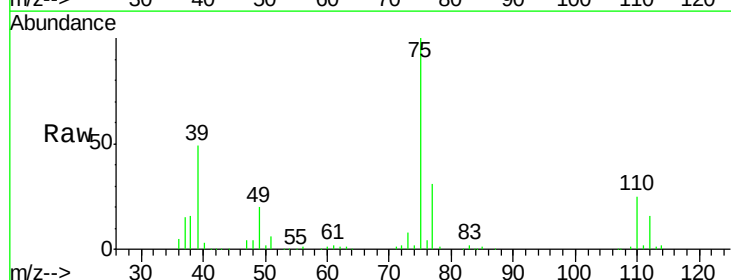
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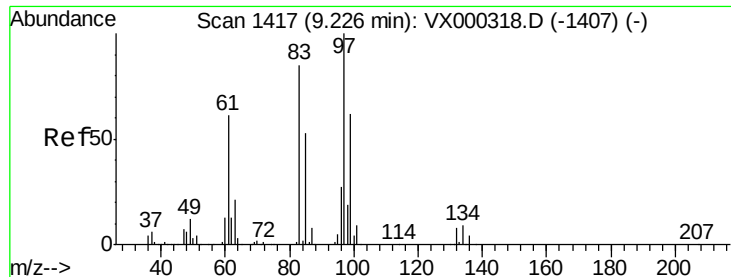
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#54
 cis-1,3-Dichloropropene
 Concen: 53.44 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.1	39.1
39	48.7	39.8	59.6





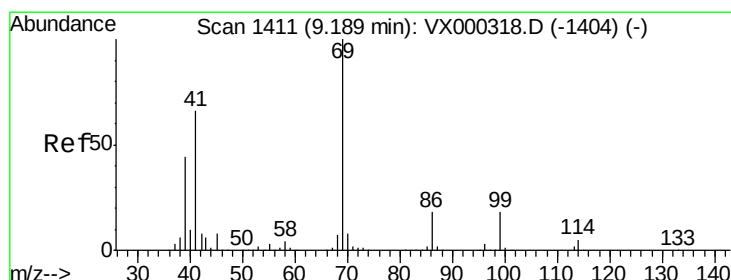
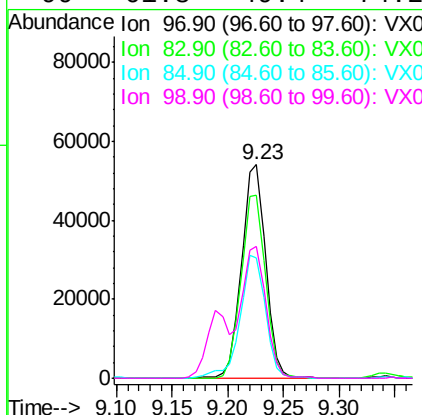
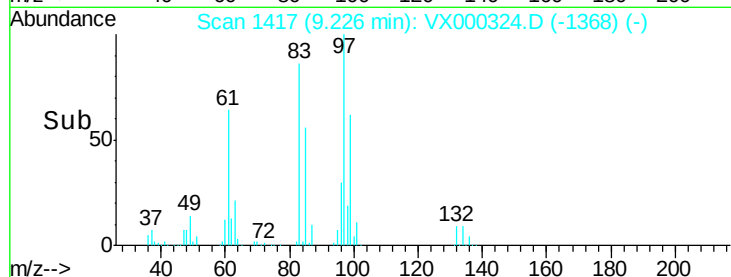
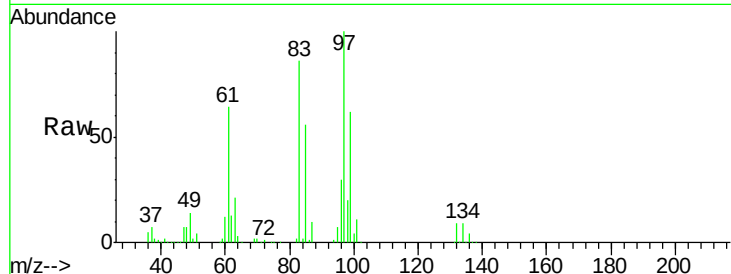
#55
 1,1,2-Trichloroethane
 Concen: 48.10 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		81238		
83	85.6	67.9	101.9		
85	56.4	42.8	64.2		
99	61.8	49.4	74.2		

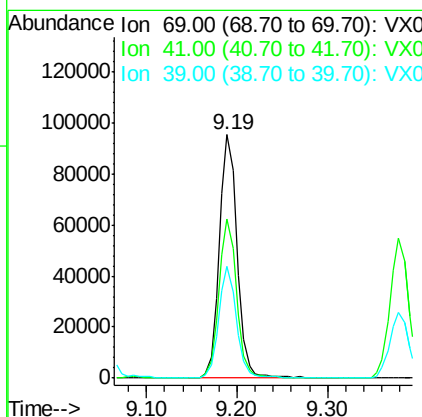
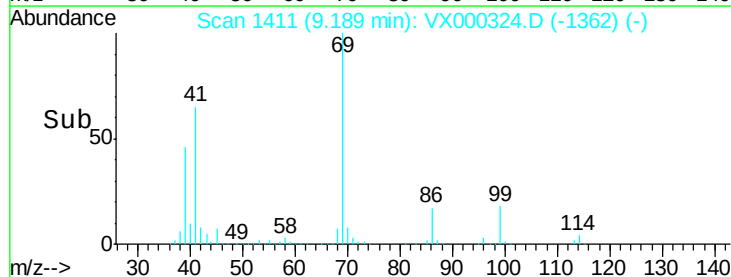
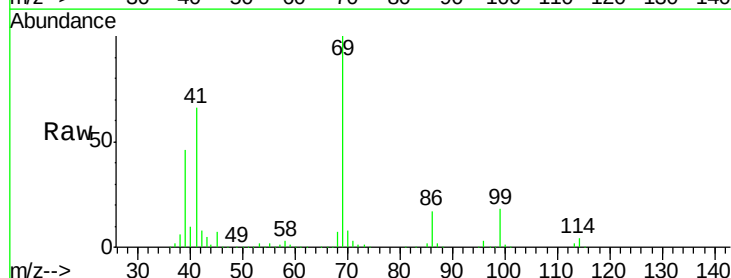
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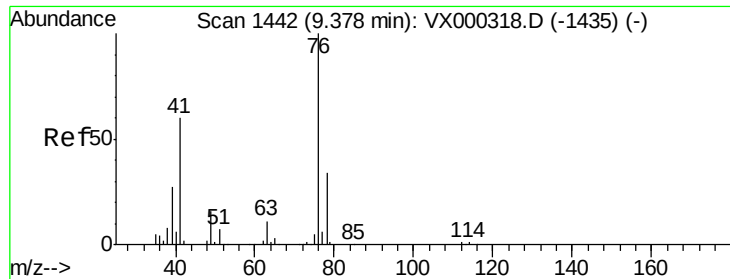
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#56
 Ethyl methacrylate
 Concen: 52.69 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		131762		
41	65.1	53.0	79.6		
39	45.1	35.3	52.9		





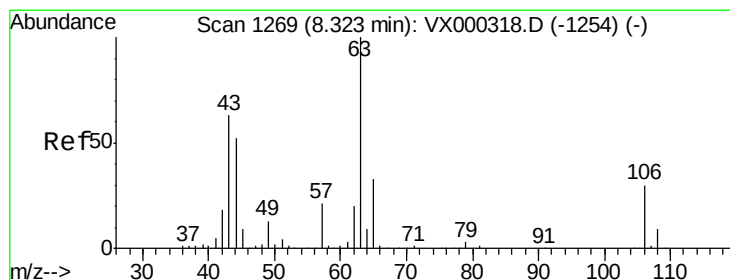
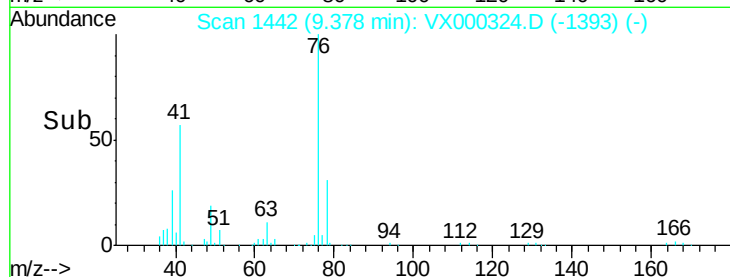
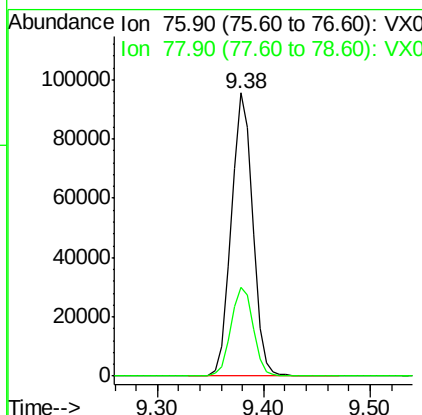
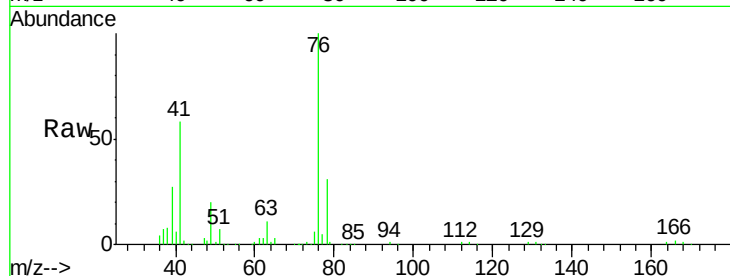
#57
 1,3-Dichloropropane
 Concen: 49.55 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.4	39.6

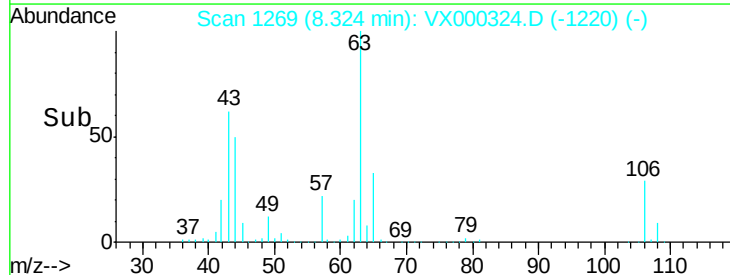
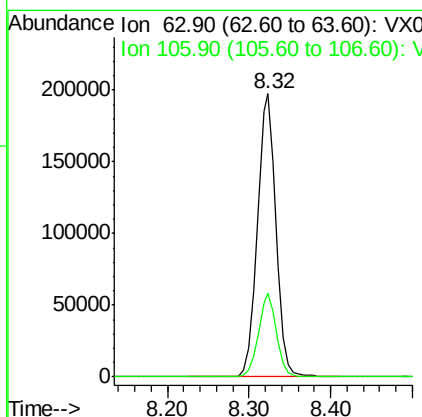
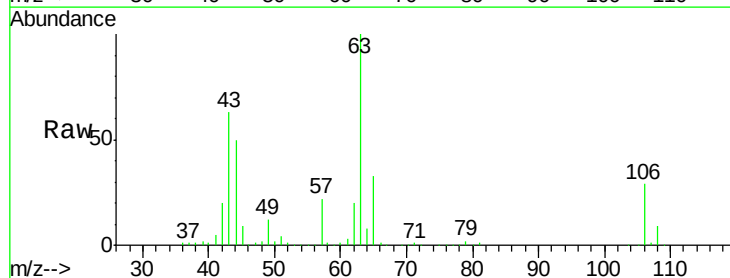
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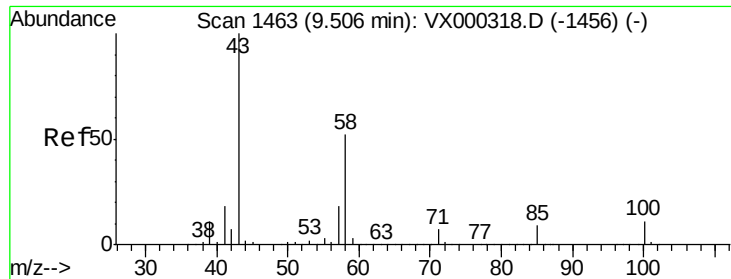
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#58
 2-Chloroethyl Vinyl ether
 Concen: 297.24 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.2	34.8





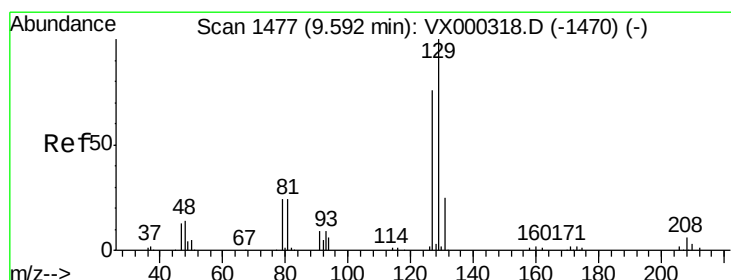
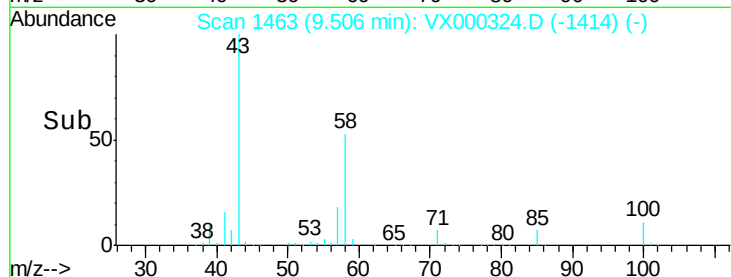
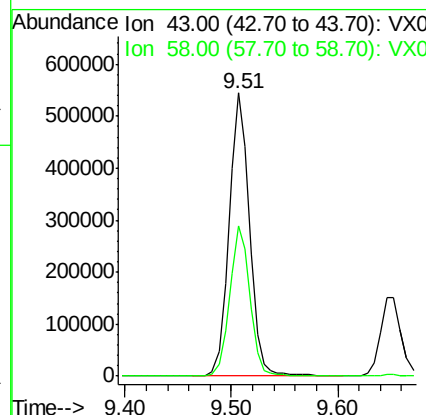
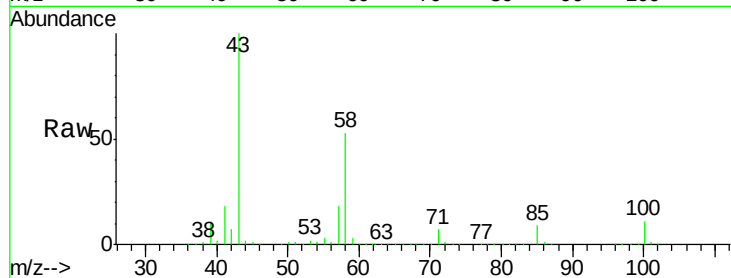
#59
2-Hexanone
Concen: 275.69 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	730819
Ion Ratio	100	Lower	Upper
43	100		
58	52.7	26.6	79.7

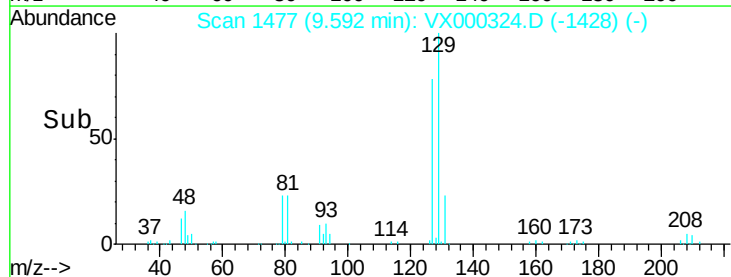
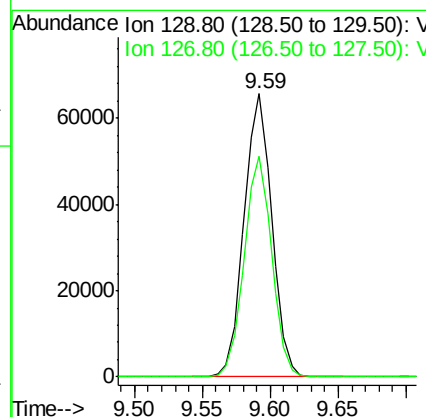
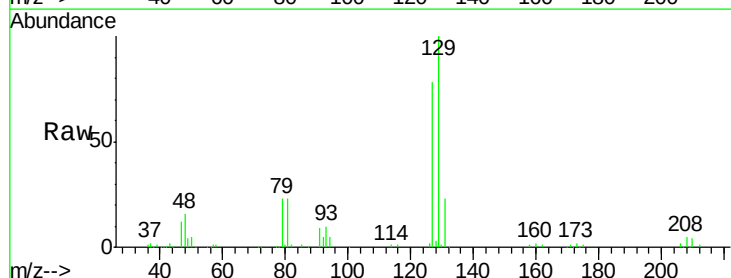
Manual Integrations
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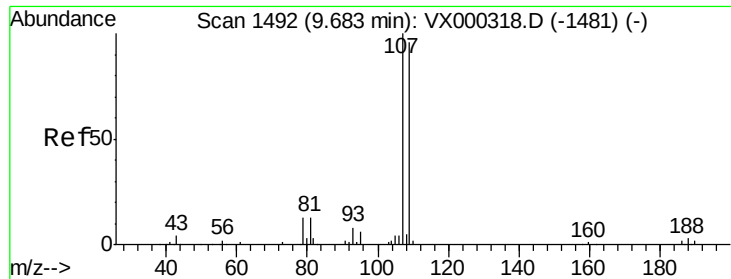
apatel
3/16/2018 3:43:19 PM



#60
Dibromochloromethane
Concen: 52.52 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	129	Resp	93797
Ion Ratio	100	Lower	Upper
129	100		
127	77.1	37.9	113.6





#61

1,2-Dibromoethane

Concen: 50.24 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 94055

Ion Ratio Lower Upper

107 100

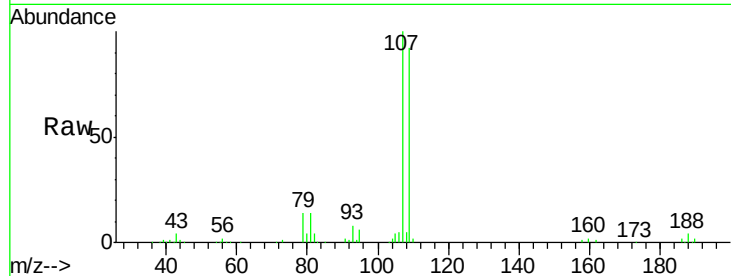
109 93.0 76.1 114.1

Manual Integrations

APPROVED

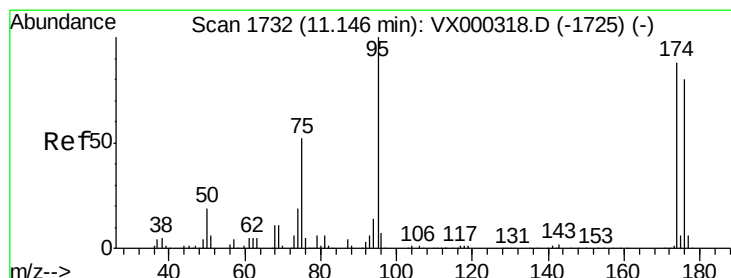
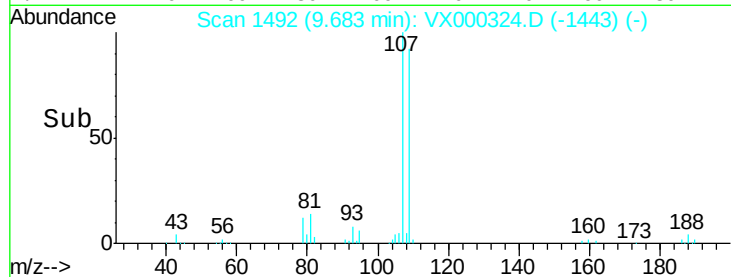
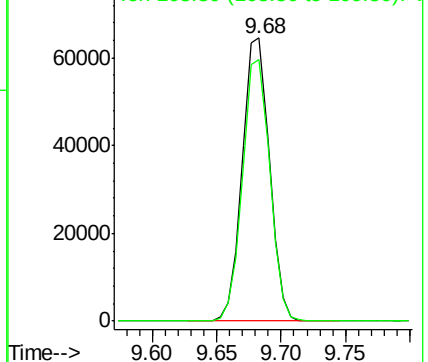
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.51 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

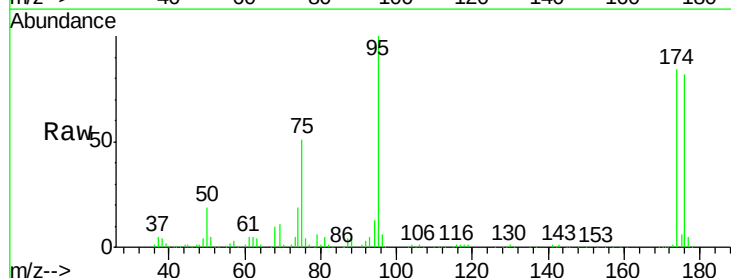
Tgt Ion: 95 Resp: 114117

Ion Ratio Lower Upper

95 100

174 85.1 0.0 173.6

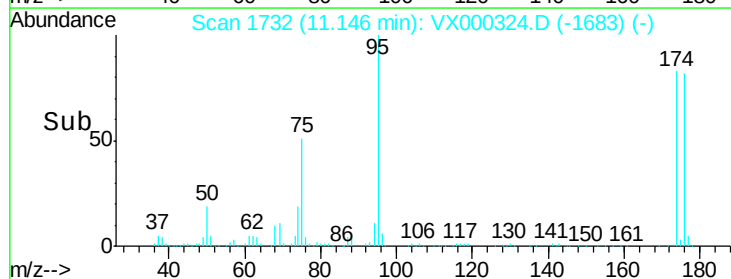
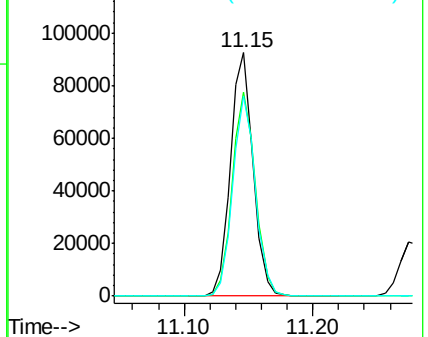
176 82.4 0.0 164.6

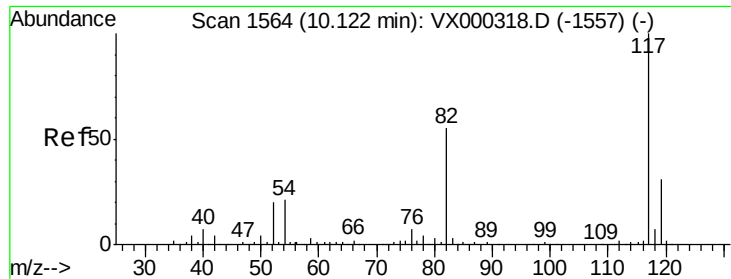


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





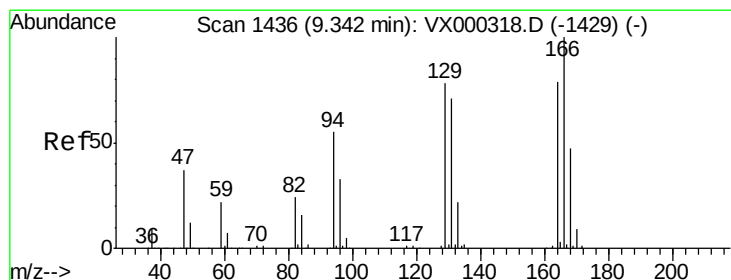
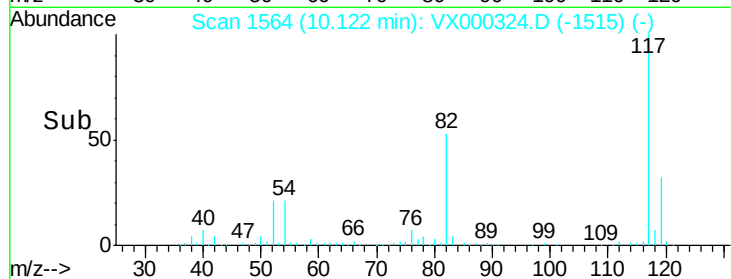
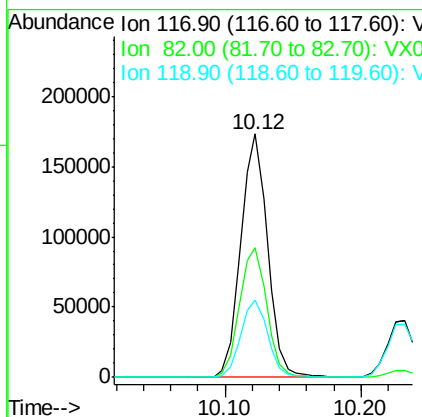
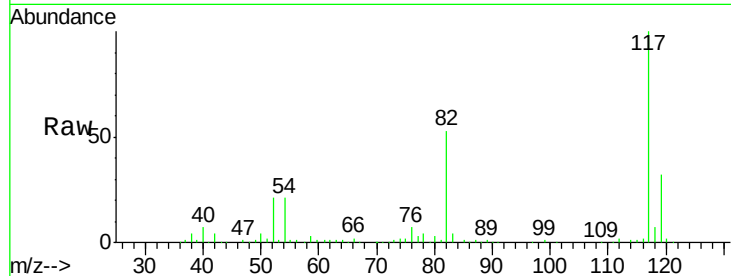
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.8	65.8
119	31.6	24.9	37.3

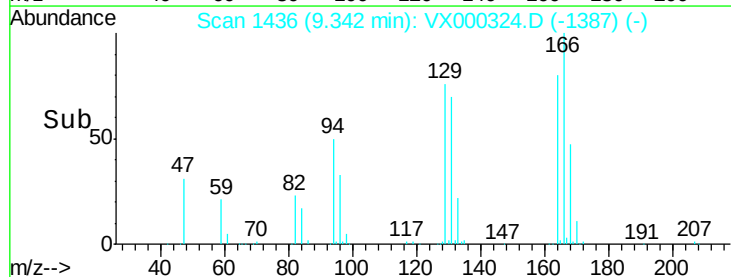
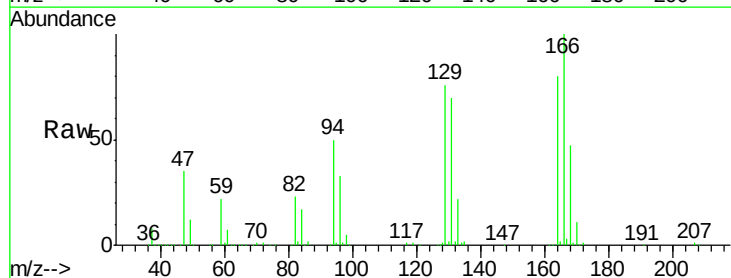
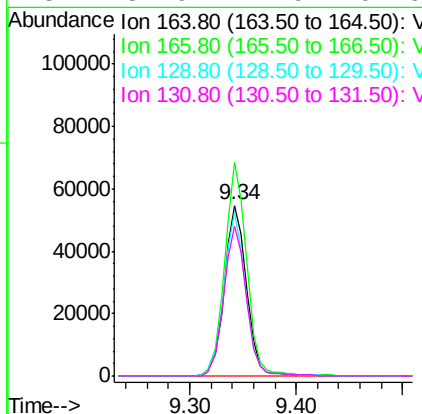
Manual Integrations
APPROVED

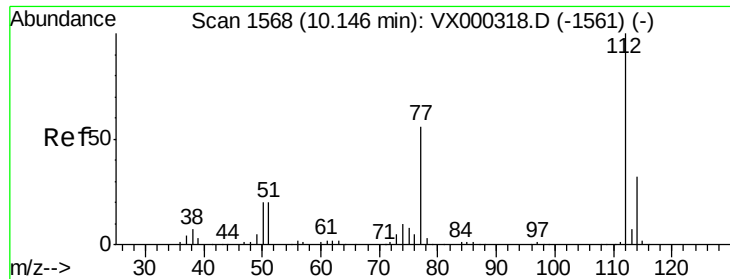
apatel
3/16/2018 3:43:19 PM



#64
Tetrachloroethene
Concen: 52.14 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.0	151.6
129	95.9	79.0	118.4
131	87.9	71.9	107.9





#65

Chlorobenzene

Concen: 49.16 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 238616

Ion Ratio Lower Upper

112 100

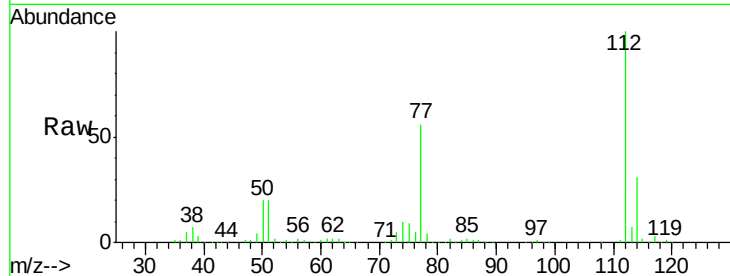
114 31.5 25.7 38.5

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.15

200000

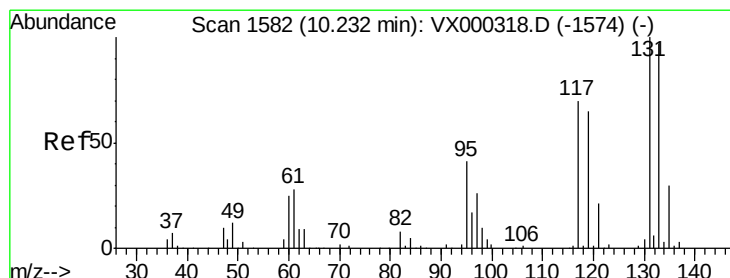
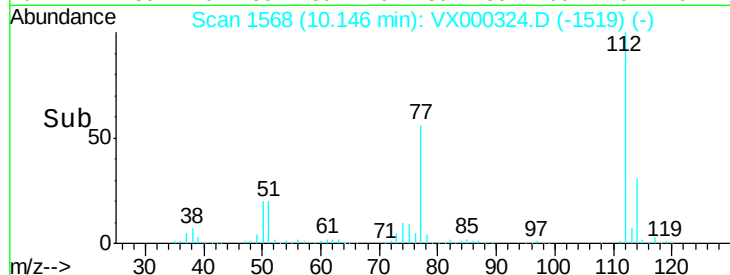
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.19 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

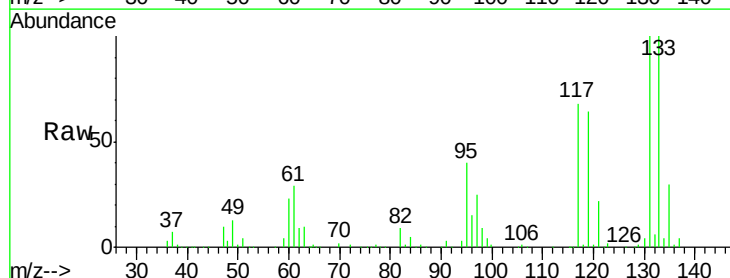
Tgt Ion:131 Resp: 85190

Ion Ratio Lower Upper

131 100

133 94.1 47.1 141.3

119 64.5 33.1 99.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

80000

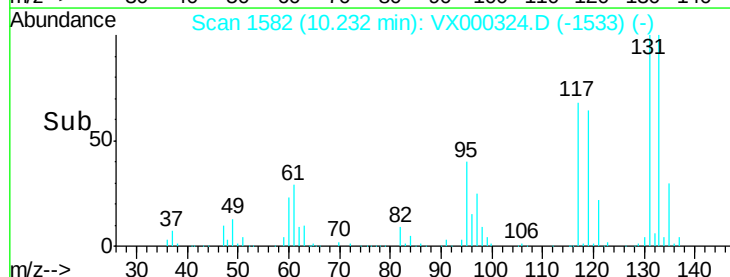
60000

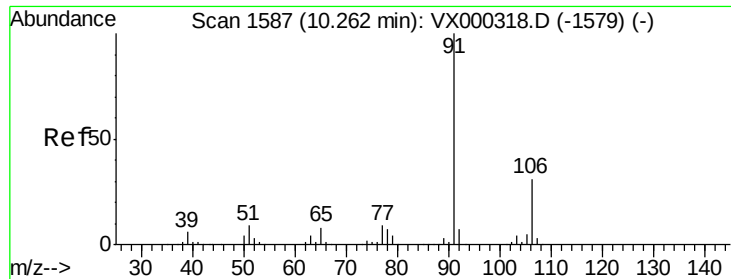
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 50.16 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 415038

Ion Ratio Lower Upper

91 100

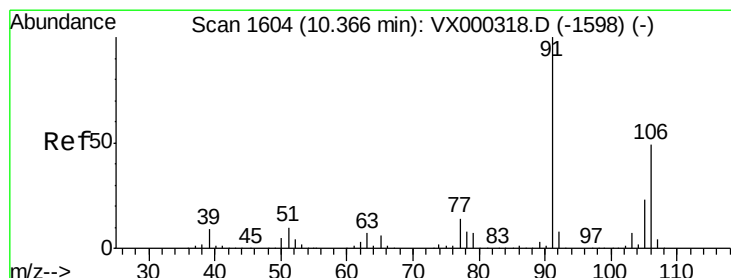
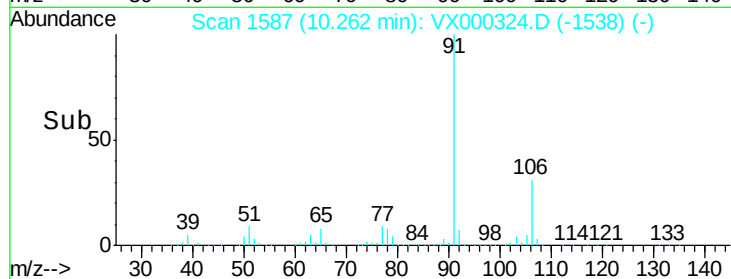
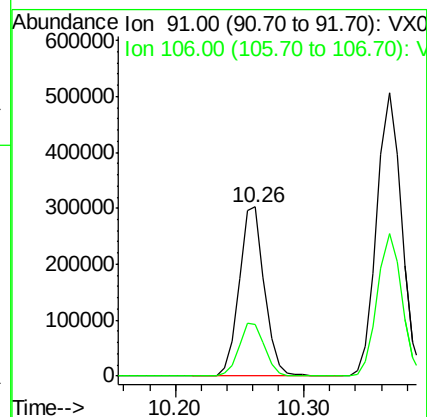
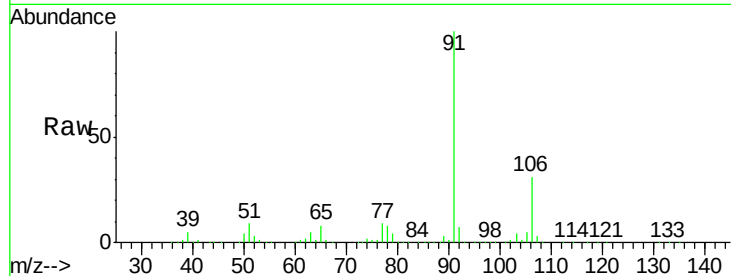
106 30.5 25.0 37.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.38 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000324.D

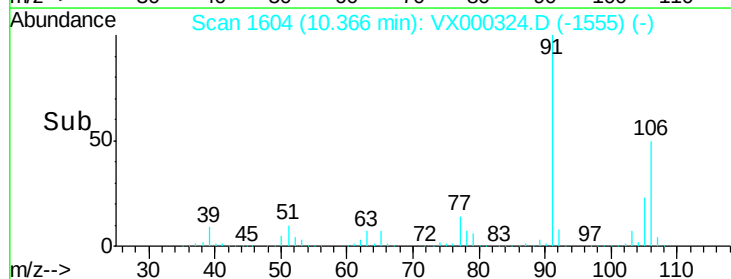
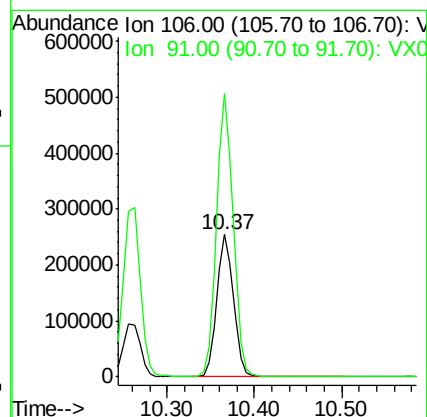
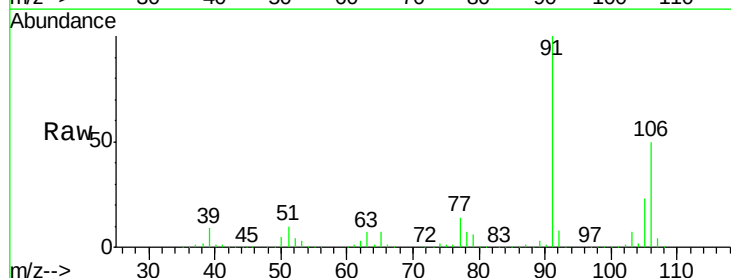
Acq: 15 Mar 2018 12:51

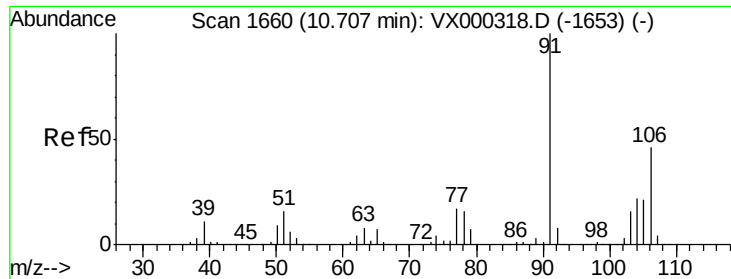
Tgt Ion: 106 Resp: 336514

Ion Ratio Lower Upper

106 100

91 200.1 163.4 245.2





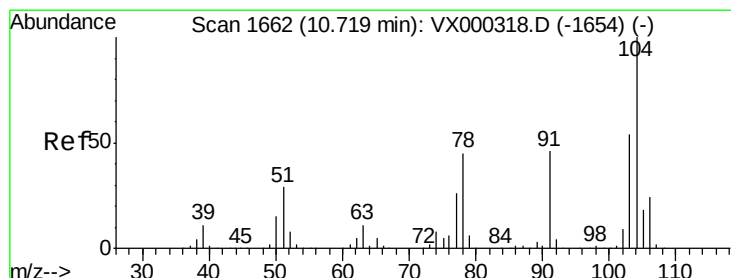
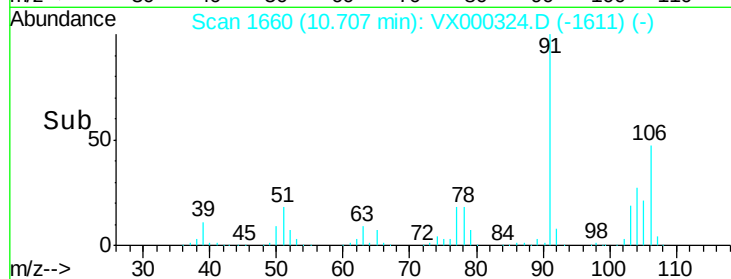
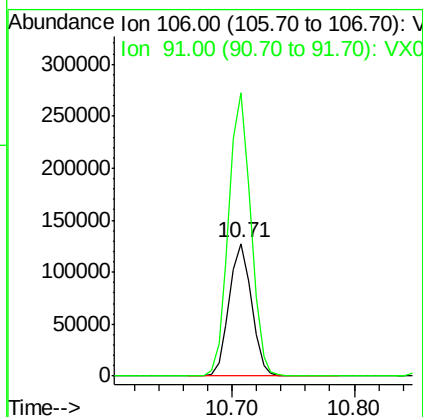
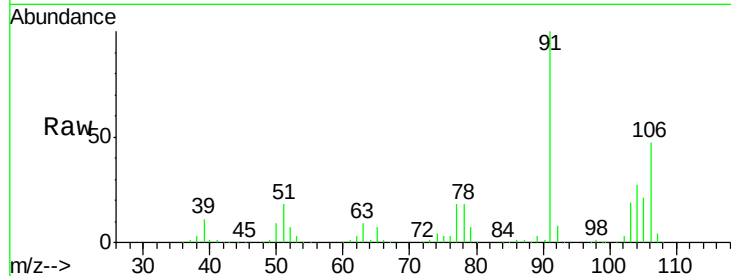
#69
o-Xylene
Concen: 51.51 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 161307
Ion Ratio Lower Upper
106 100
91 211.8 106.5 319.6

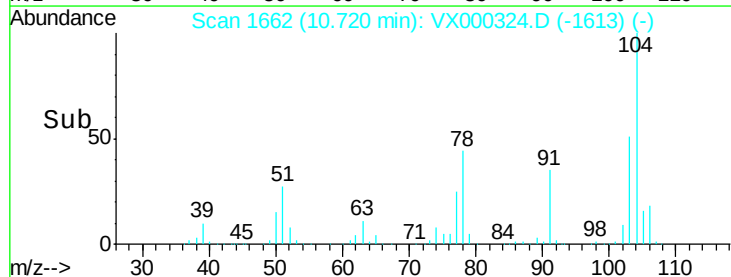
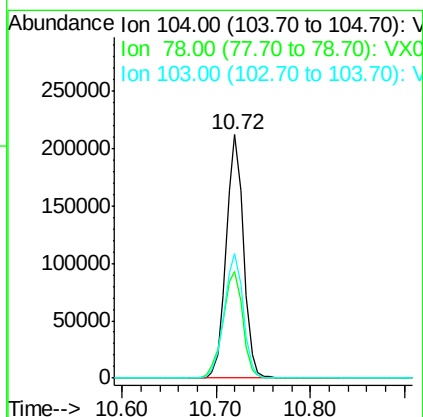
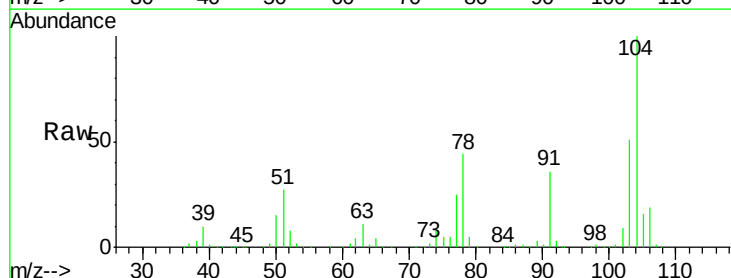
Manual Integrations
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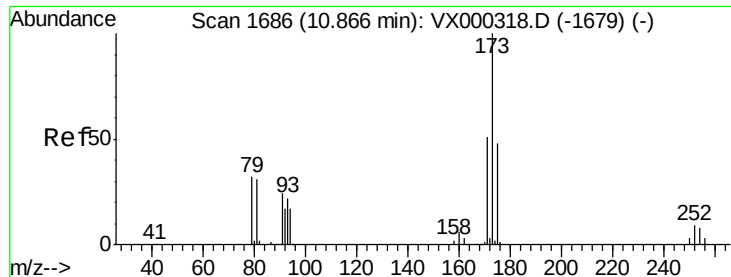
apatel
3/16/2018 3:43:19 PM



#70
Styrene
Concen: 52.32 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion:104 Resp: 271903
Ion Ratio Lower Upper
104 100
78 49.8 40.5 60.7
103 56.2 45.7 68.5





#71

Bromoform

Concen: 46.41 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

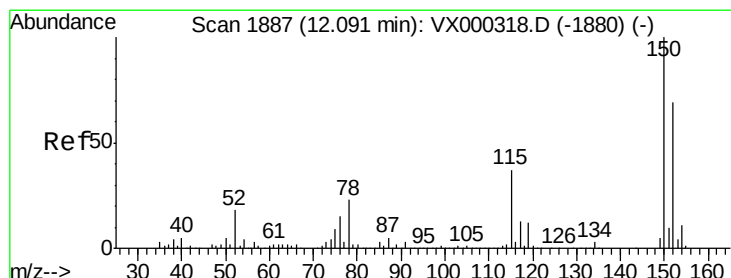
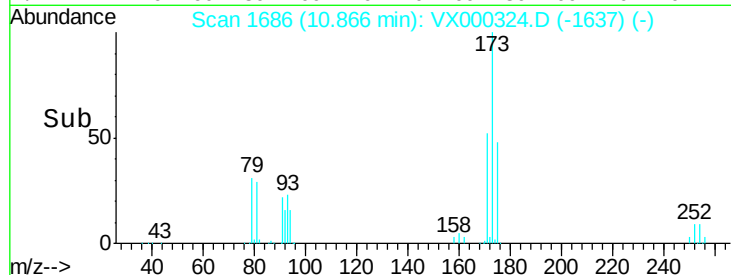
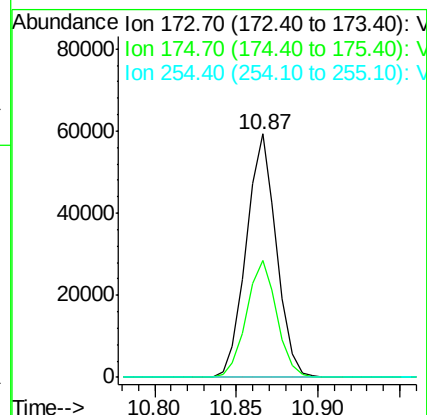
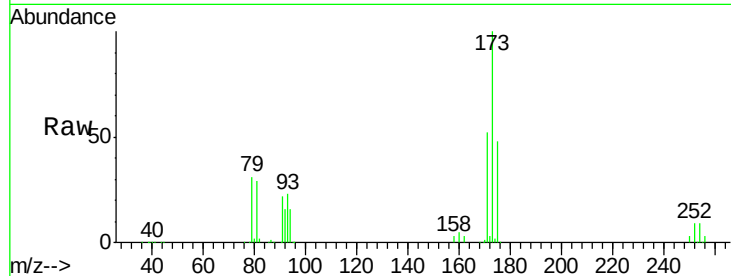
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	25.4	76.4
254	0.1	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

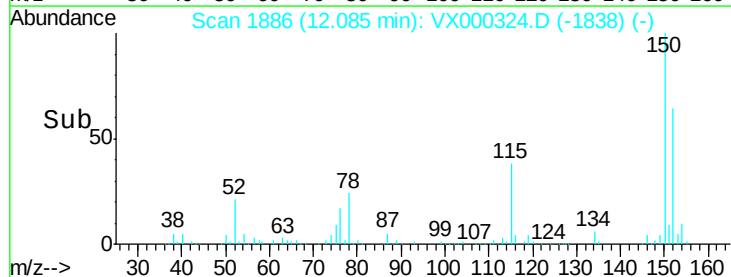
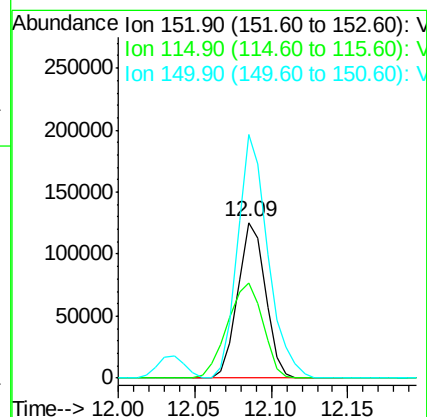
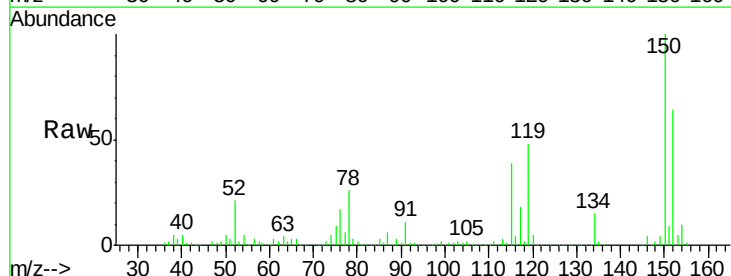
RT: 12.09 min Scan# 1886

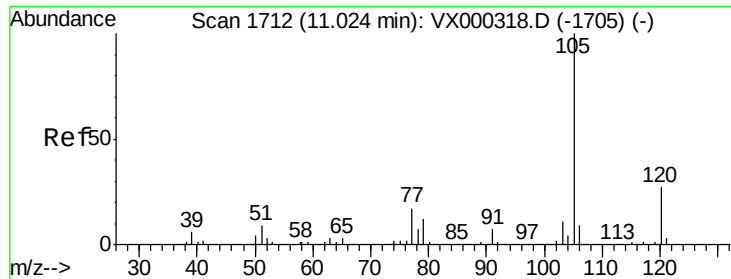
Delta R.T. -0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.2	39.8	119.3
150	171.0	0.0	344.4





#73

Isopropylbenzene

Concen: 46.94 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 446314

Ion Ratio Lower Upper

105 100

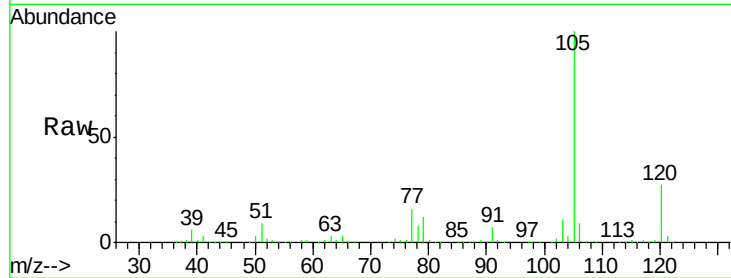
120 26.5 13.6 40.7

Manual Integrations

APPROVED

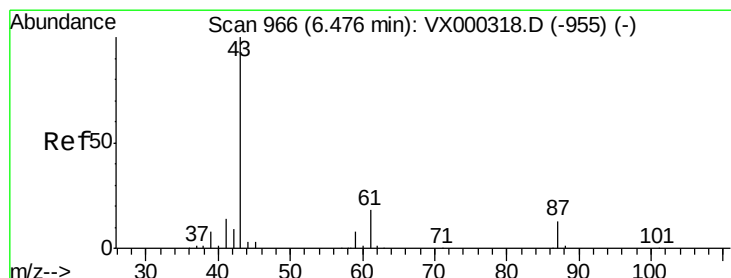
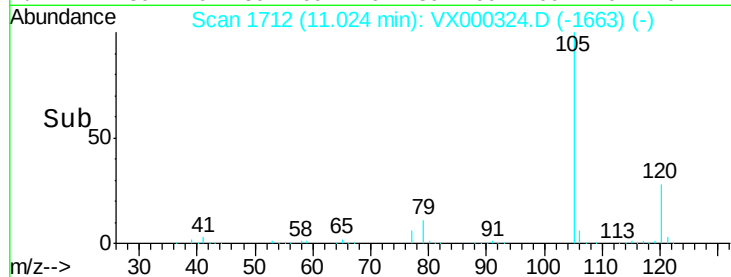
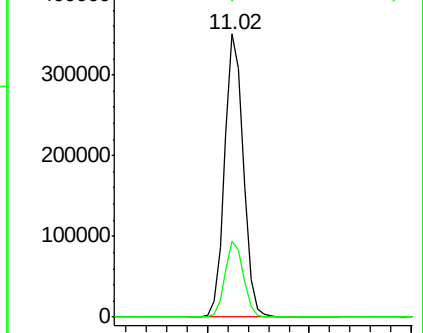
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.73 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tgt Ion: 43 Resp: 212691

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

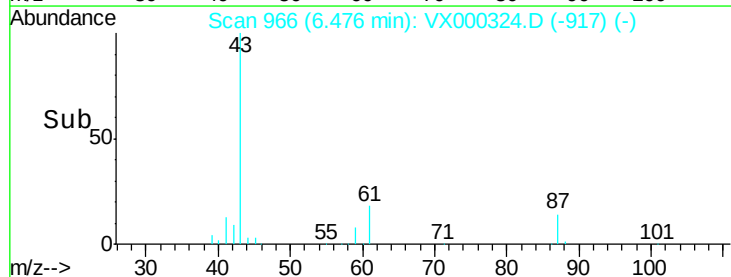
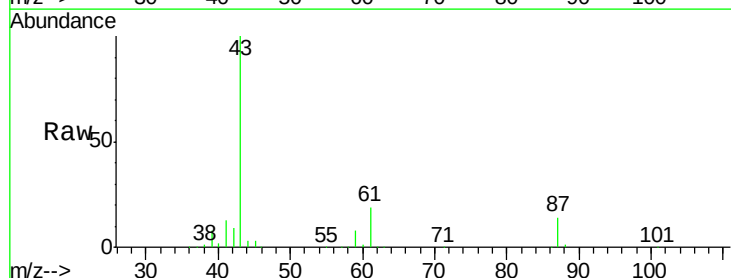
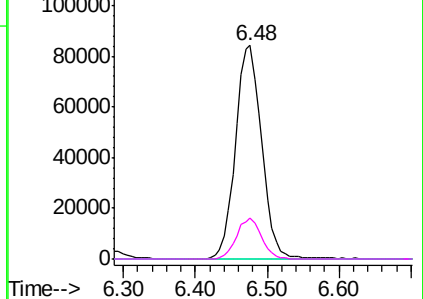
61 18.4 14.4 21.6

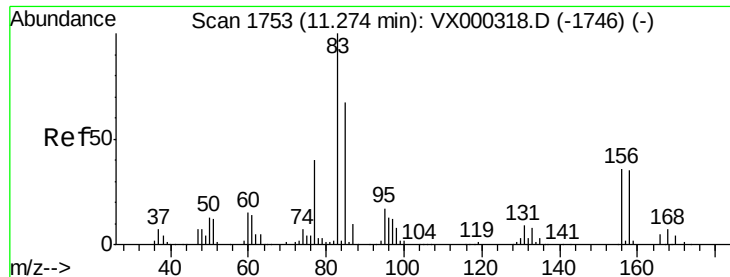
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.80 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 158422

Ion Ratio Lower Upper

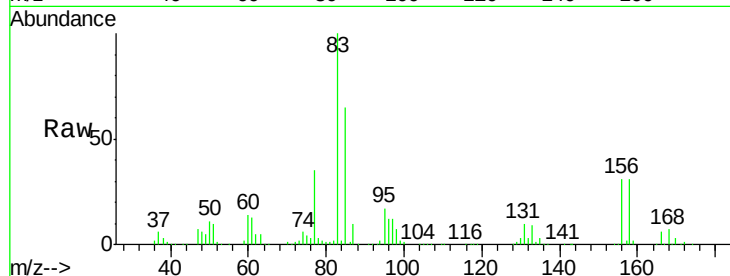
83 100

131 10.3 5.0 14.9

85 65.0 32.5 97.5

Manual Integrations
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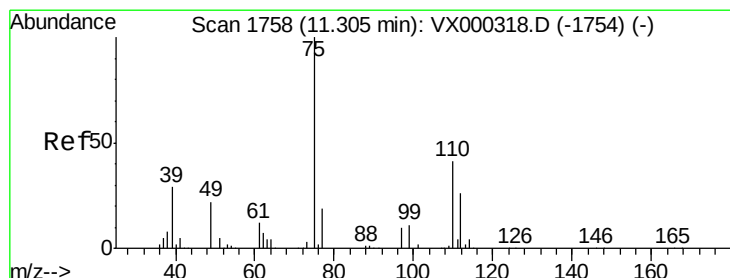
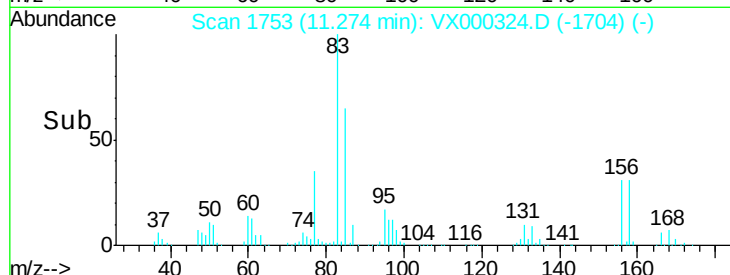
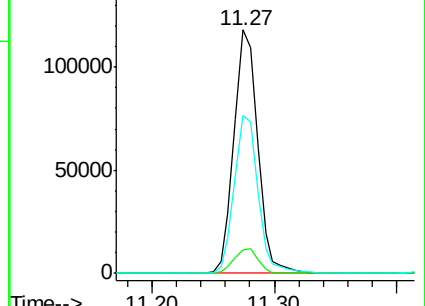
apatel
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.76 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000324.D

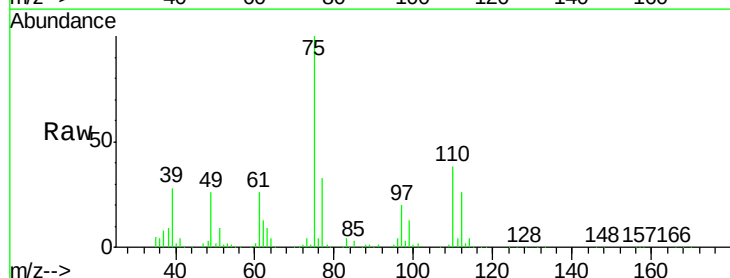
Acq: 15 Mar 2018 12:51

Tgt Ion: 75 Resp: 144662

Ion Ratio Lower Upper

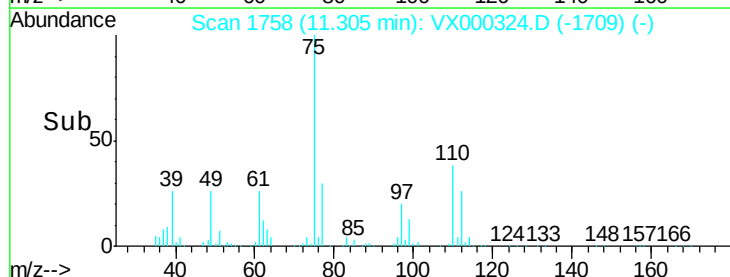
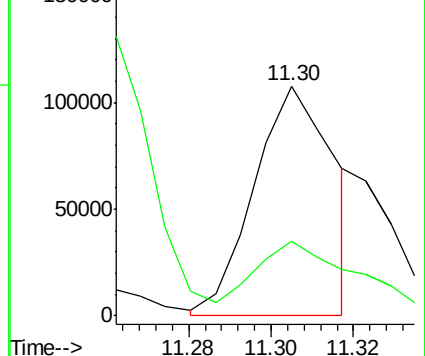
75 100

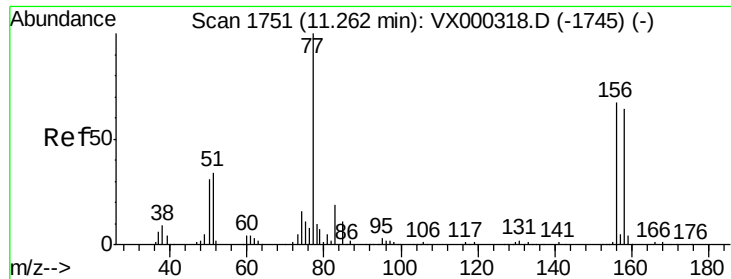
77 42.3 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.82 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

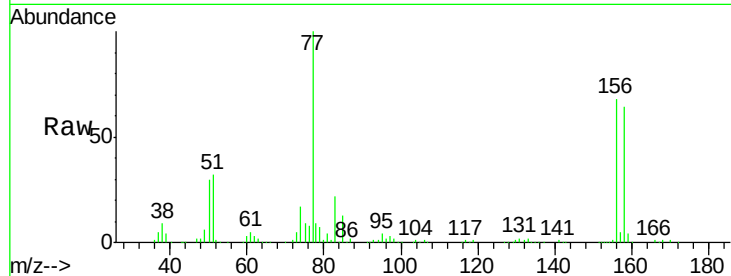
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	111858
Ion Ratio	Lower	Upper	
156	100		
77	148.8	73.4	220.2
158	97.1	48.5	145.6

Manual Integrations
APPROVED

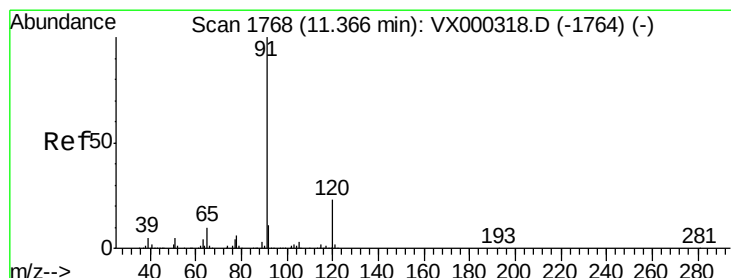
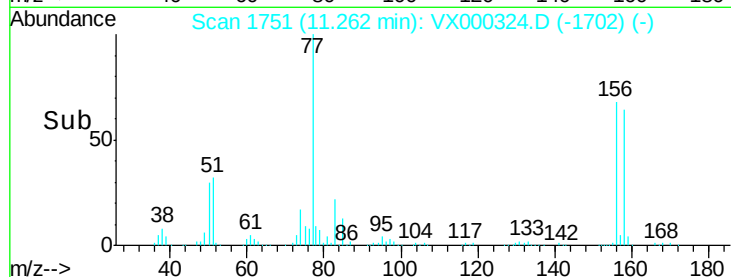
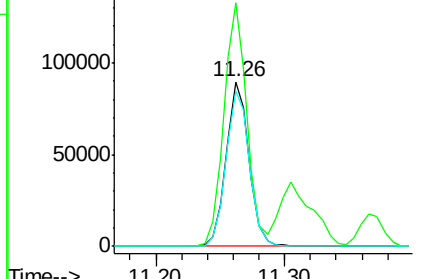
apatel
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.13 ug/l

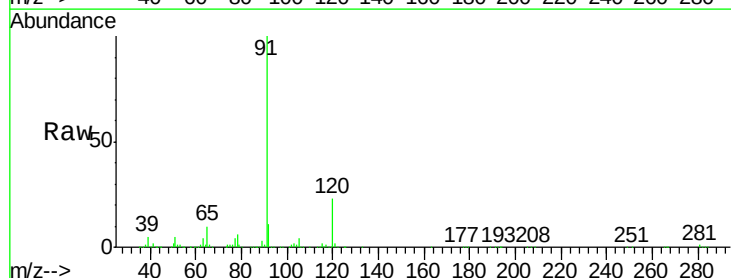
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000324.D

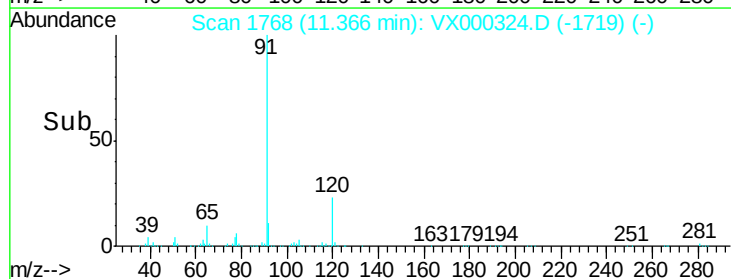
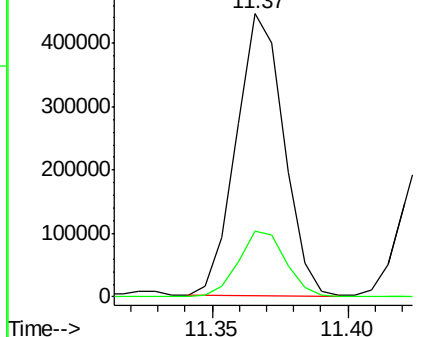
Acq: 15 Mar 2018 12:51

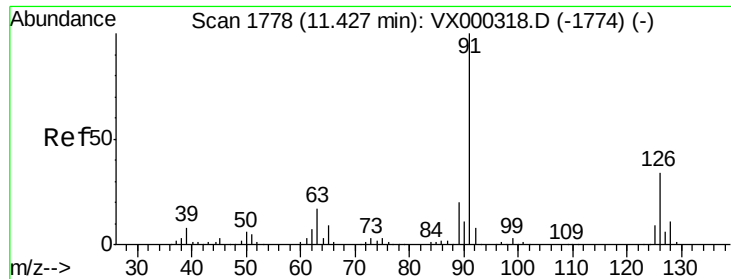
Tgt Ion:	91	Resp:	540388
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.63 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 296863

Ion Ratio Lower Upper

91 100

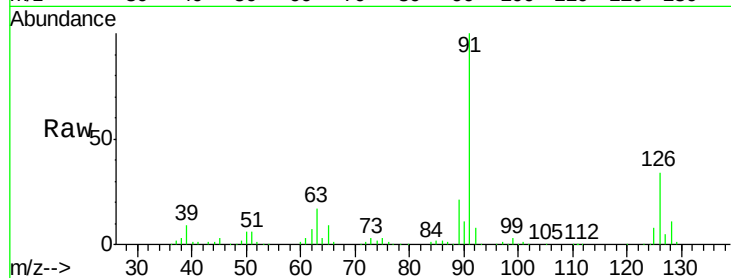
126 35.9 17.7 53.1

Manual Integrations

APPROVED

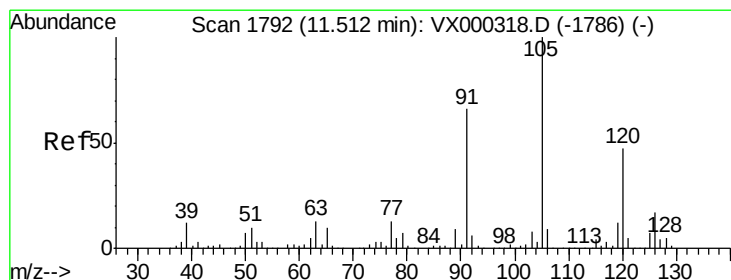
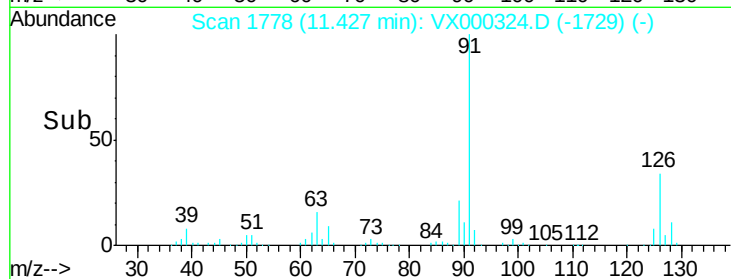
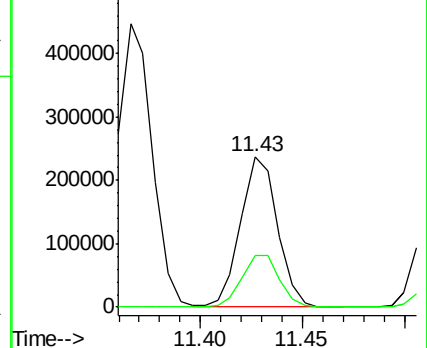
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.36 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000324.D

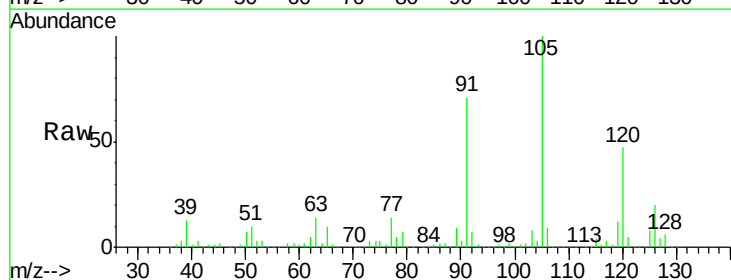
Acq: 15 Mar 2018 12:51

Tgt Ion: 105 Resp: 391751

Ion Ratio Lower Upper

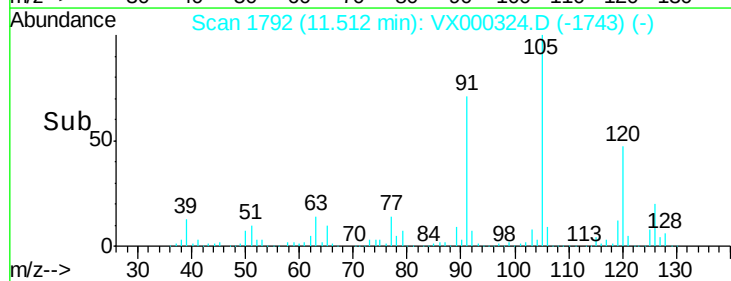
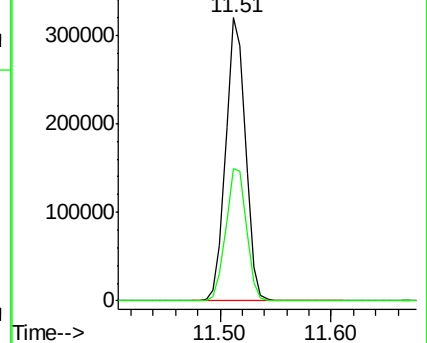
105 100

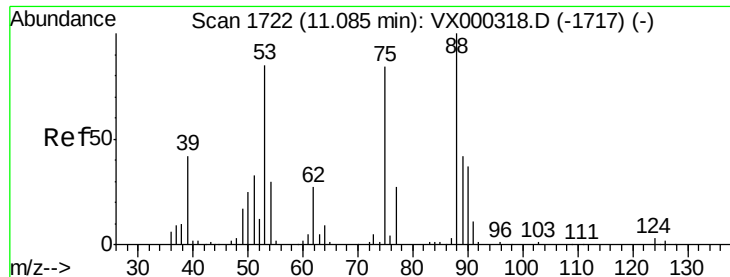
120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





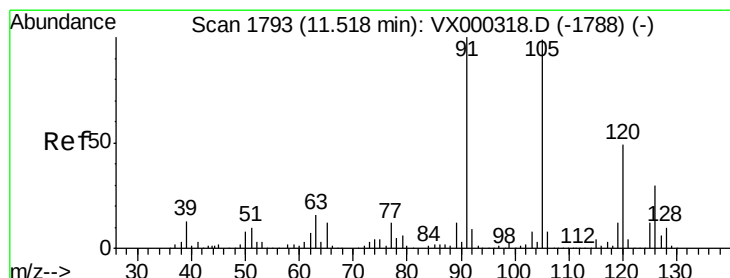
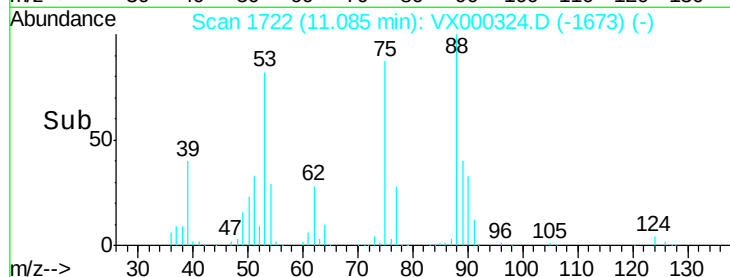
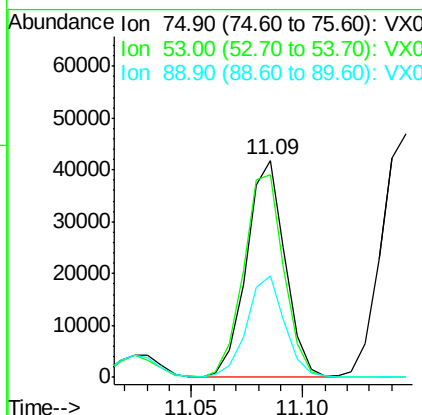
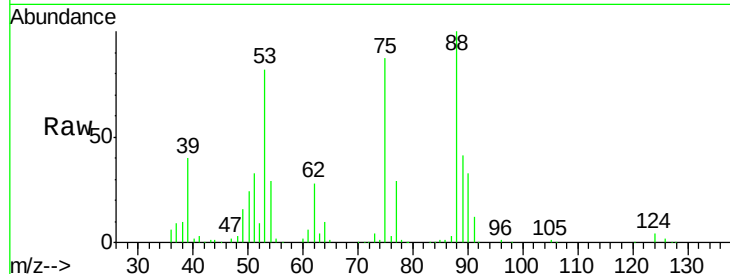
#81
trans-1,4-Dichloro-2-butene
Concen: 48.07 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	80.7	121.1
89	46.2	39.4	59.0

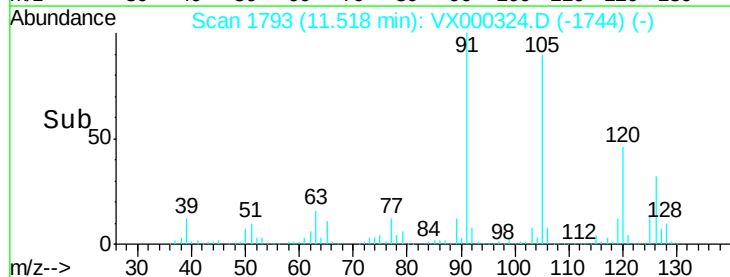
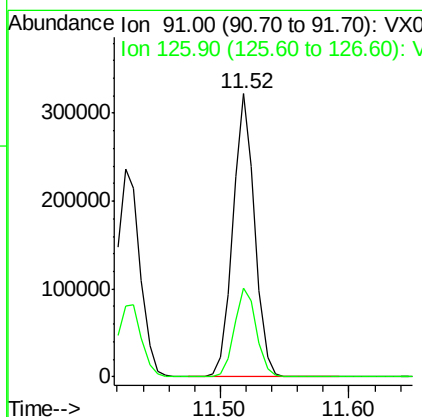
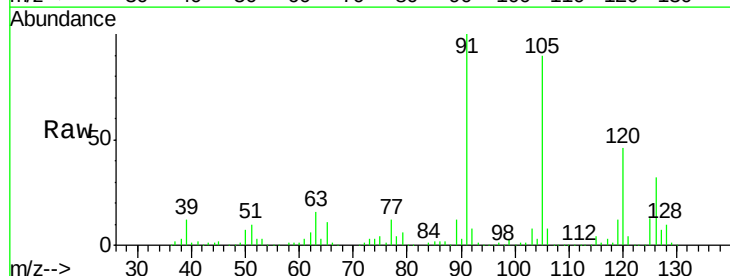
Manual Integrations
APPROVED

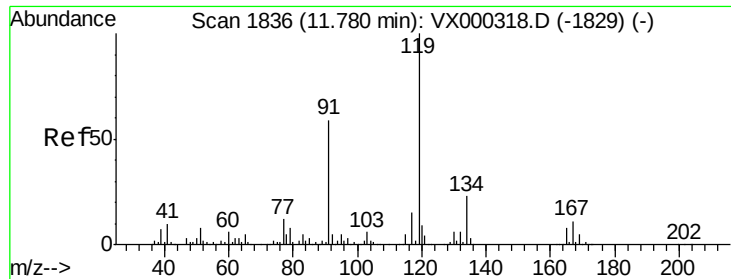
apatel
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#82
4-Chlorotoluene
Concen: 47.55 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000324.D
Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.4	46.1





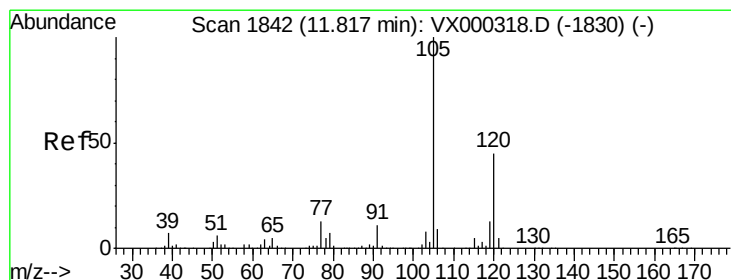
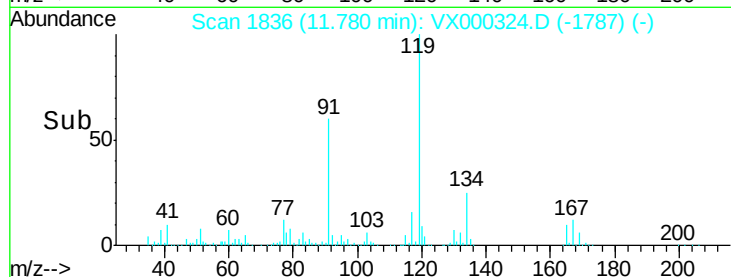
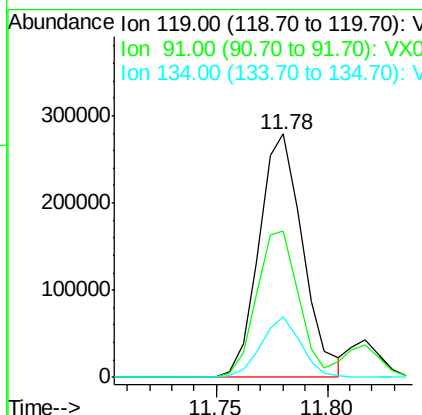
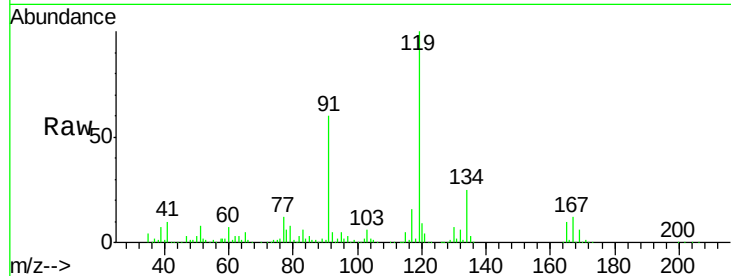
#83
 tert-Butylbenzene
 Concen: 48.25 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	381277		
91	58.0		28.8	86.4
134	22.8		11.4	34.1

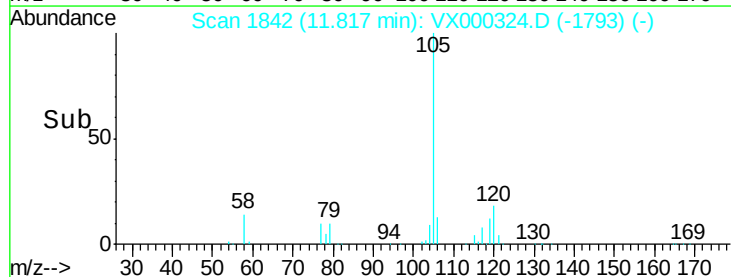
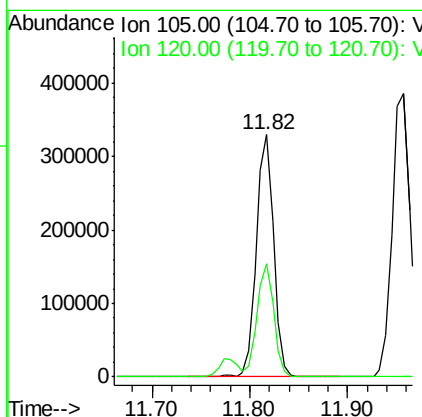
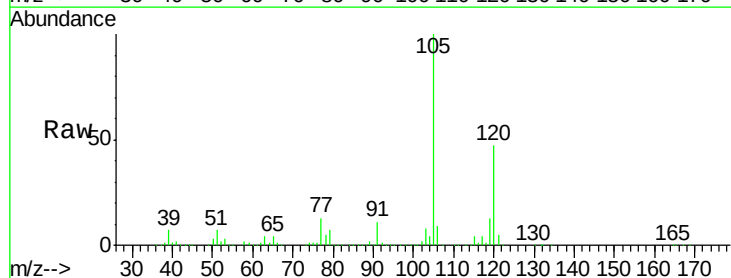
Manual Integrations
 APPROVED

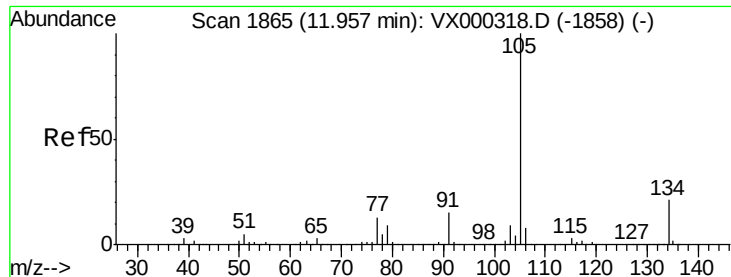
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.44 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	403400		
120	45.5		22.4	67.3





#85

sec-Butylbenzene

Concen: 49.41 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 488842

Ion Ratio Lower Upper

105 100

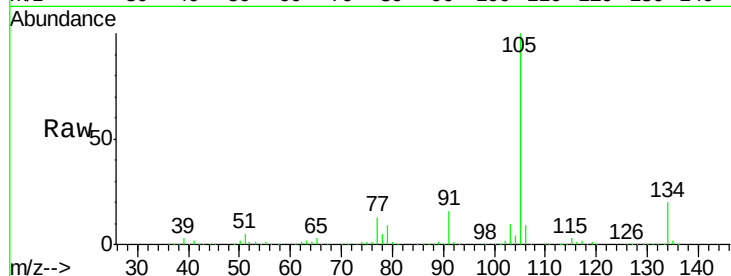
134 20.4 10.3 30.8

Manual Integrations

APPROVED

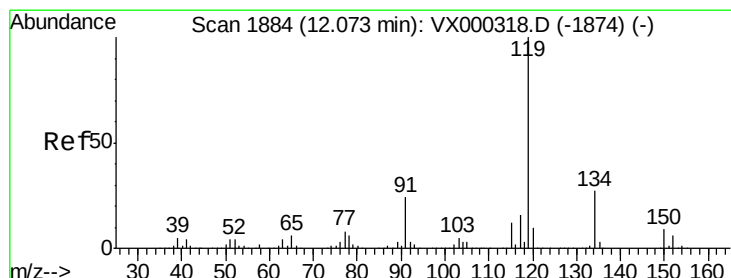
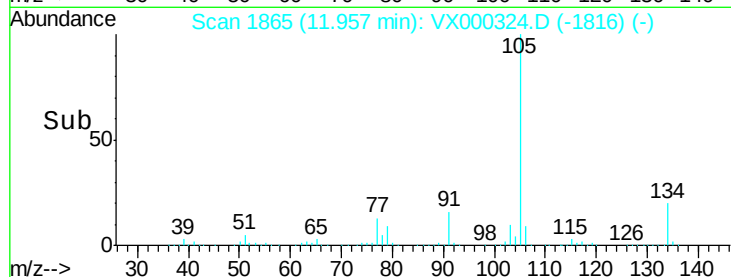
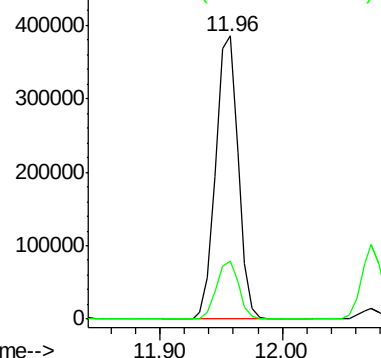
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.27 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

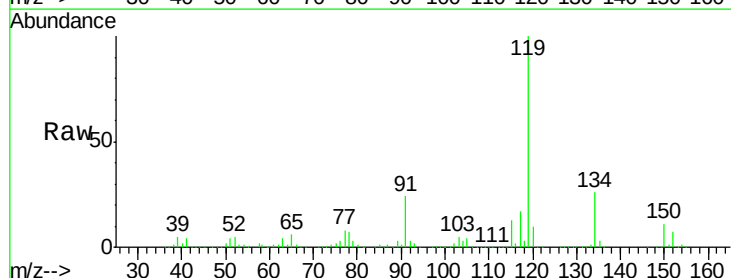
Tgt Ion:119 Resp: 442612

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

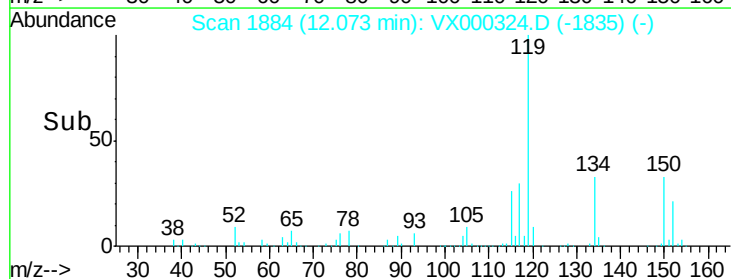
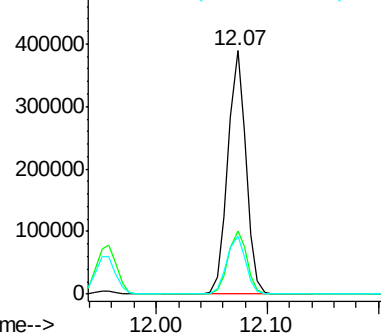
91 24.8 12.0 36.1

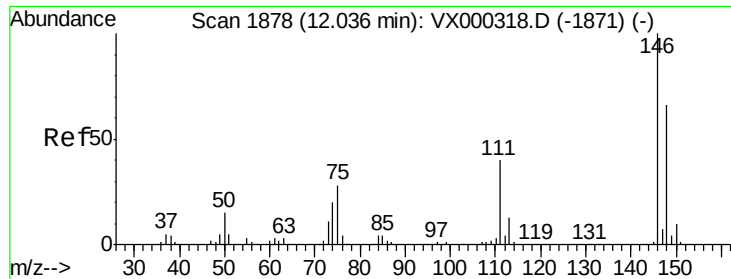


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





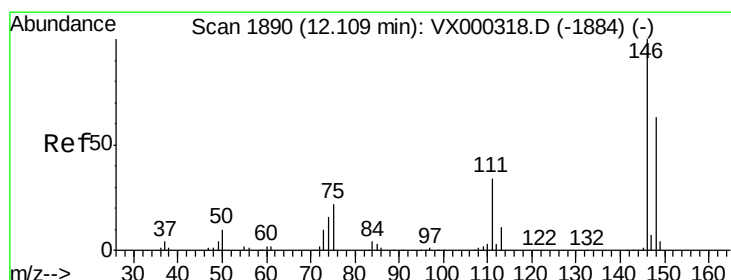
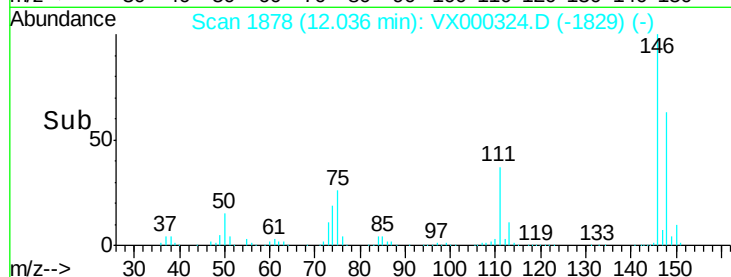
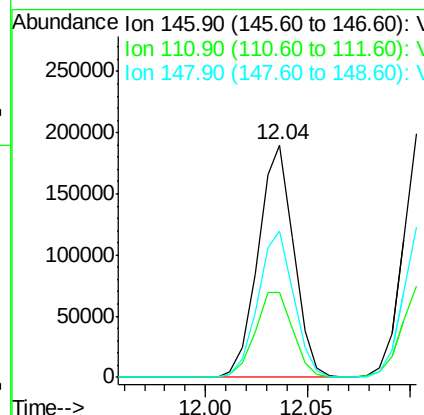
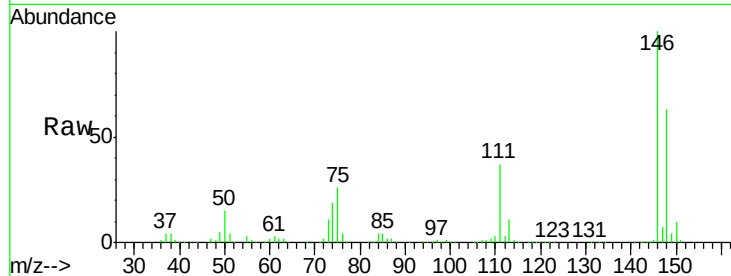
#87
 1,3-Dichlorobenzene
 Concen: 47.11 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.2	32.4	97.0

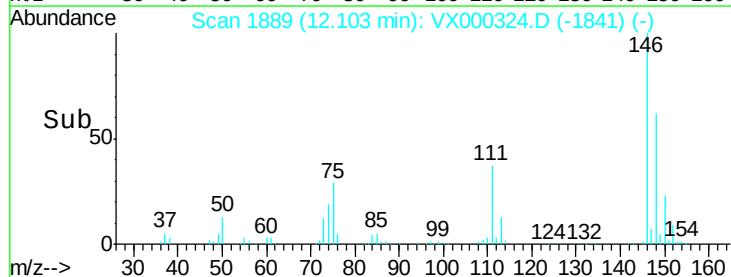
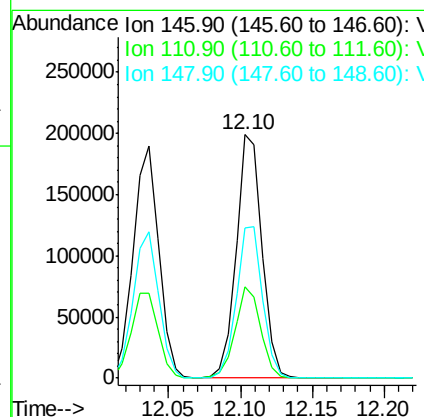
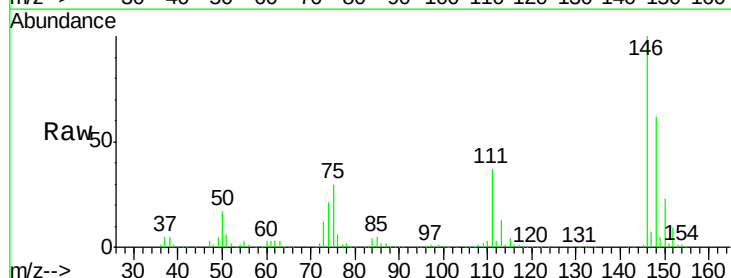
Manual Integrations
 APPROVED

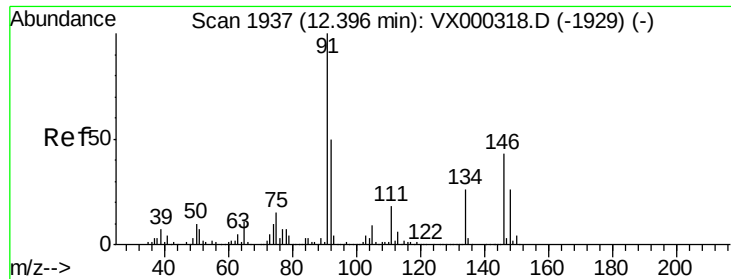
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 48.97 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	63.3	31.0	93.0





#89

n-Butylbenzene

Concen: 50.23 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

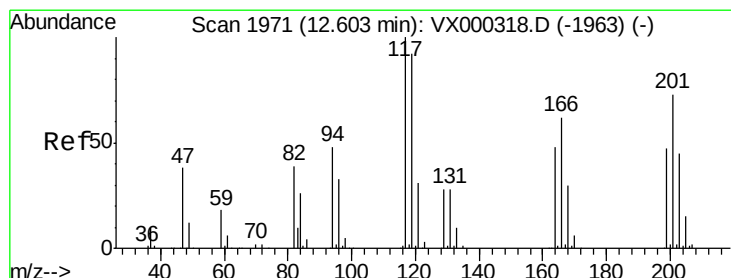
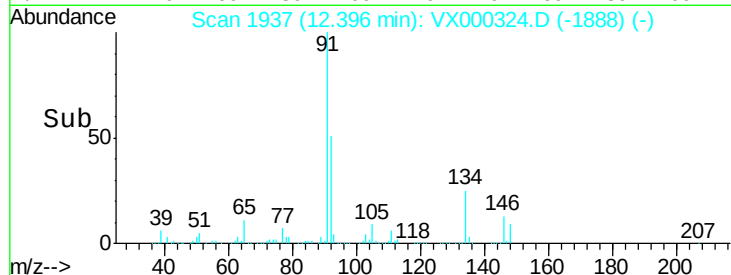
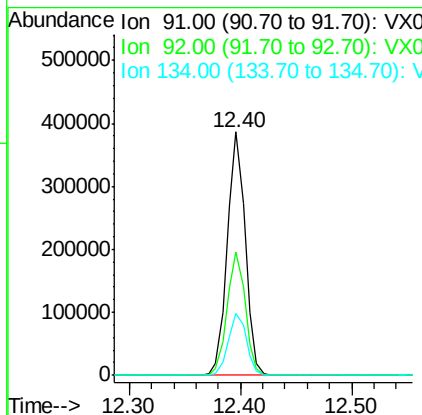
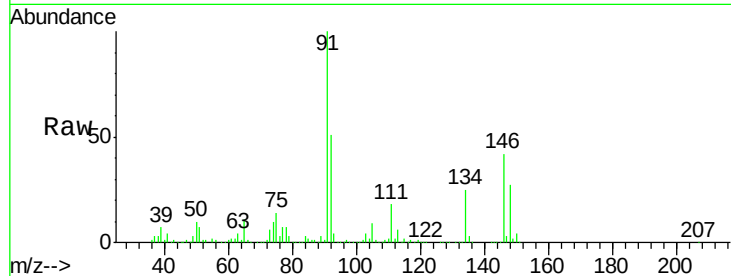
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	429952
Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.8
134	25.9	13.1	39.3

Manual Integrations
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#90

Hexachloroethane

Concen: 50.31 ug/l

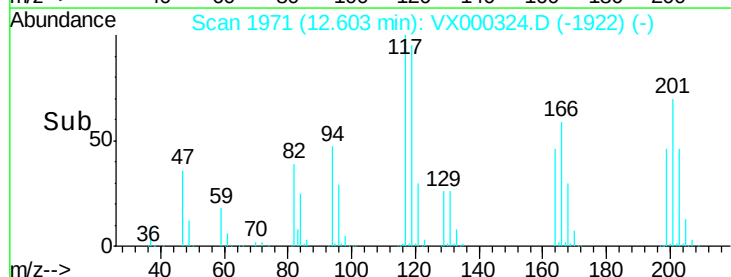
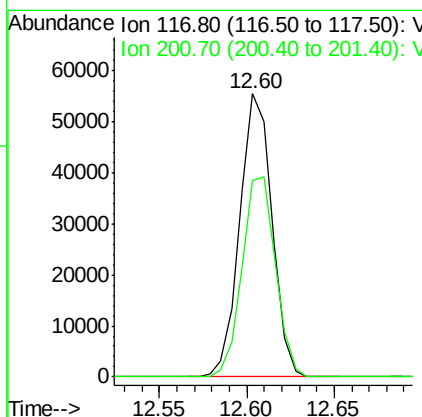
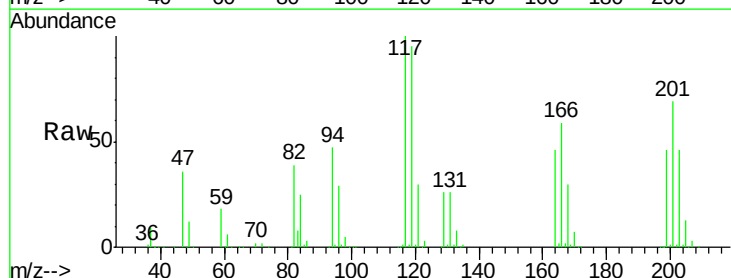
RT: 12.60 min Scan# 1971

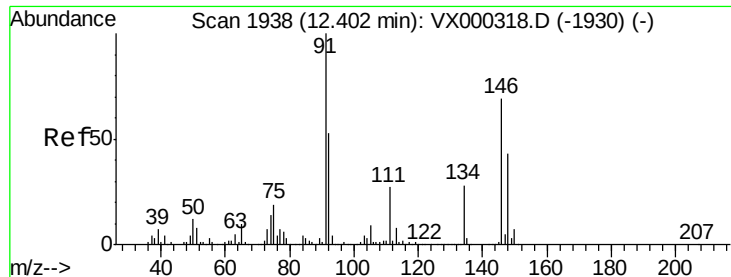
Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tgt Ion:	117	Resp:	71047
Ion	Ratio	Lower	Upper
117	100		
201	73.4	37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 48.55 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

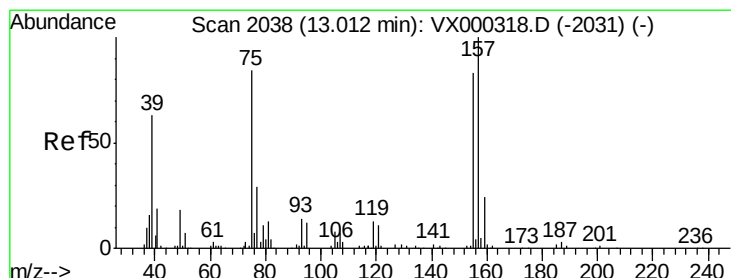
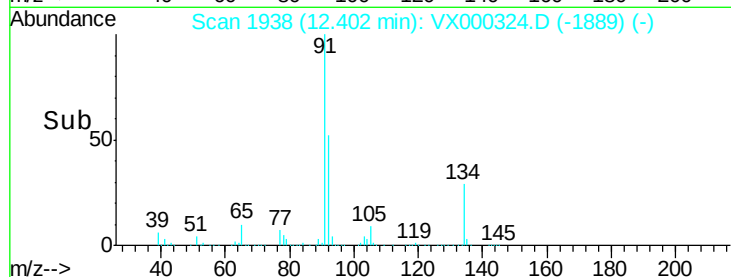
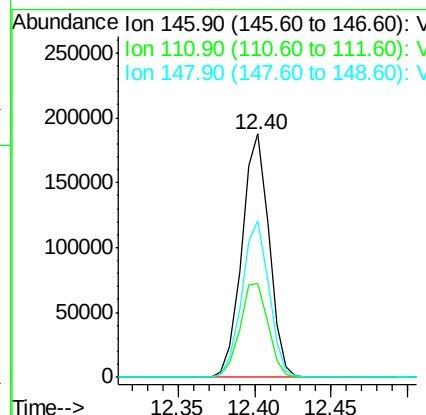
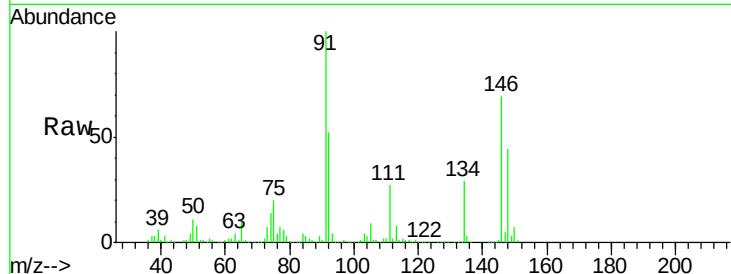
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	230306
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.1	60.2
148	63.9	31.2	93.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.83 ug/l

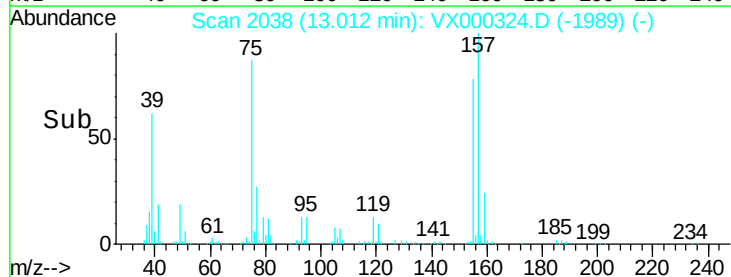
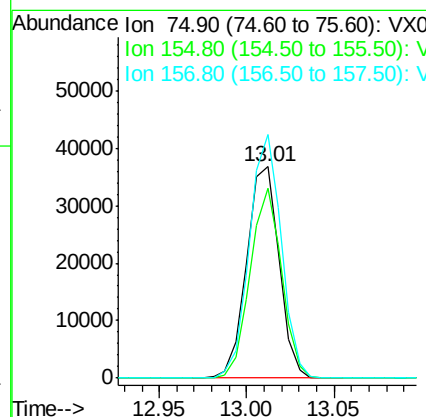
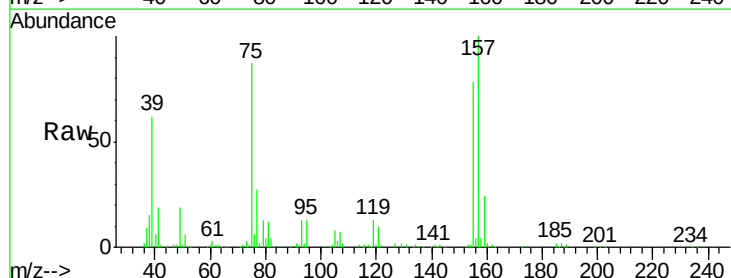
RT: 13.01 min Scan# 2038

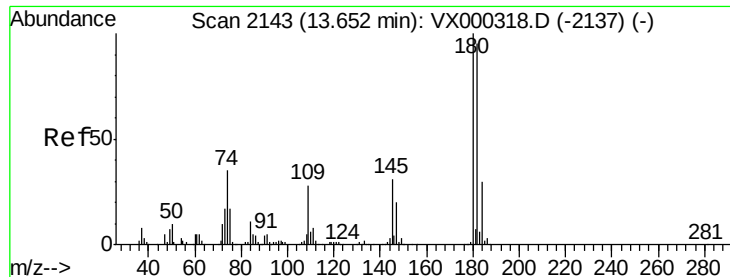
Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tgt Ion:	75	Resp:	47491
Ion Ratio	Lower	Upper	
75	100		
155	86.8	45.0	134.8
157	112.6	58.1	174.2





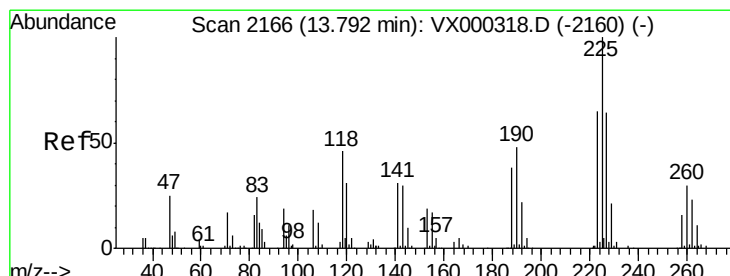
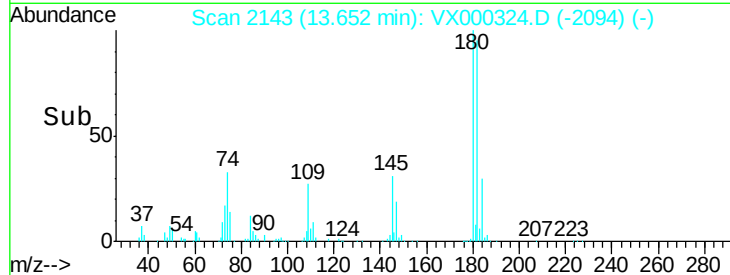
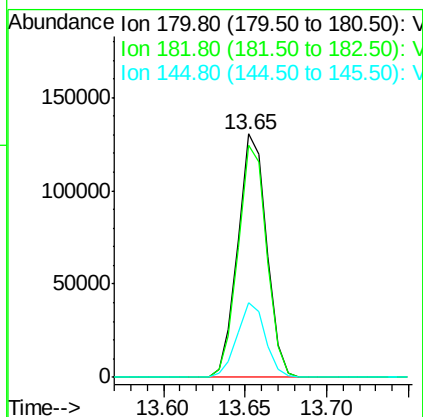
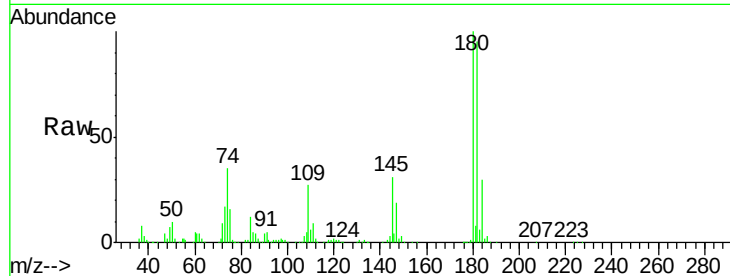
#93
 1,2,4-Trichlorobenzene
 Concen: 47.01 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	160633		
182	95.1	47.6	142.9	
145	30.2	15.1	45.3	

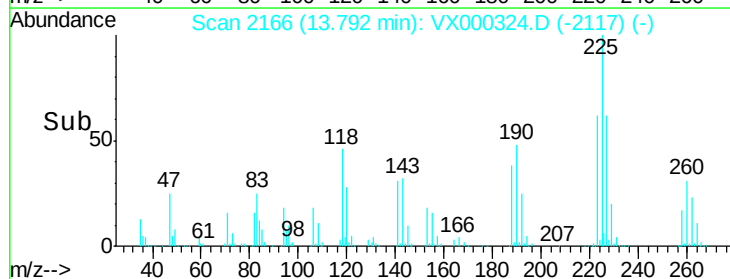
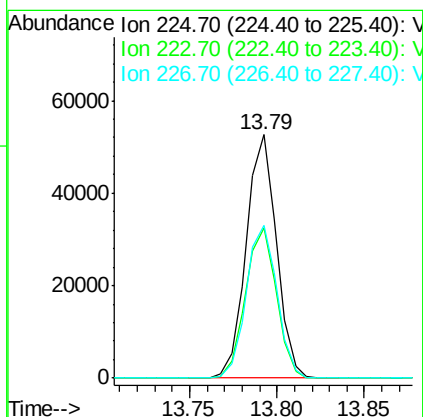
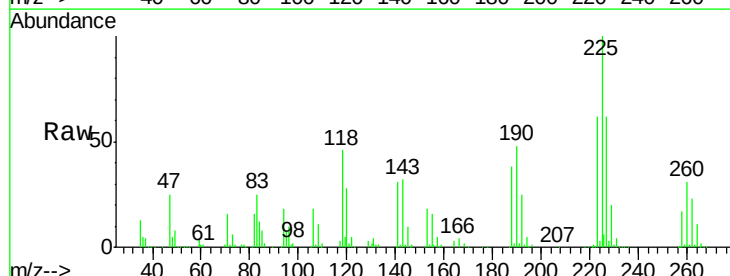
Manual Integrations
 APPROVED

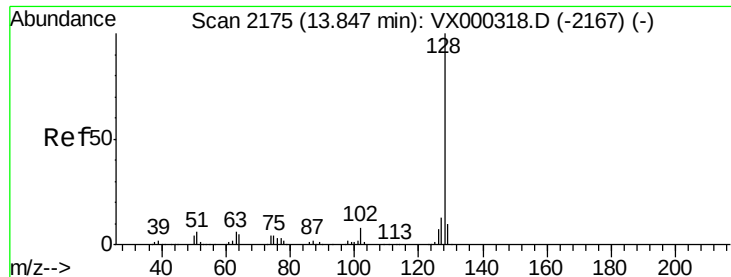
apatel
 3/16/2018 3:43:19 PM



#94
 Hexachlorobutadiene
 Concen: 46.84 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000324.D
 Acq: 15 Mar 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63137		
223	63.2	32.0	96.0	
227	63.8	32.6	98.0	





#95

Naphthalene

Concen: 48.11 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Instrument :

MSVOA_X

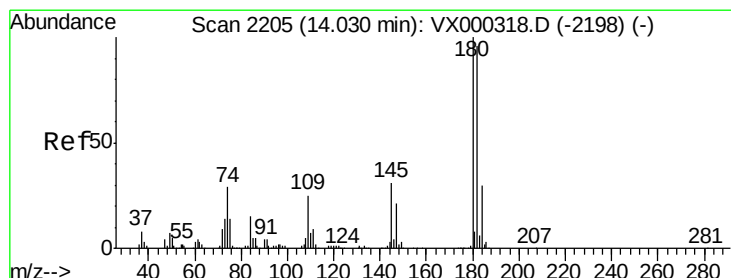
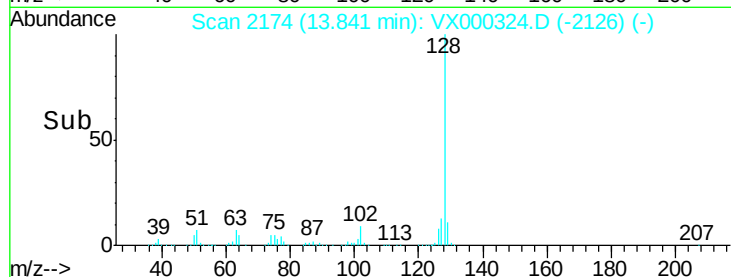
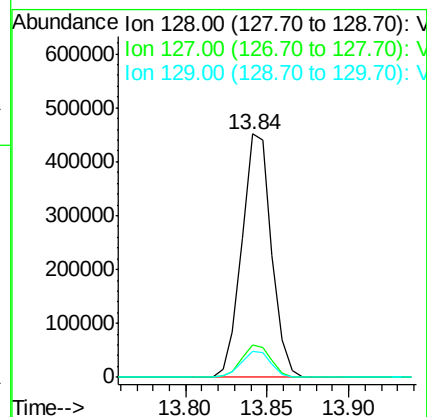
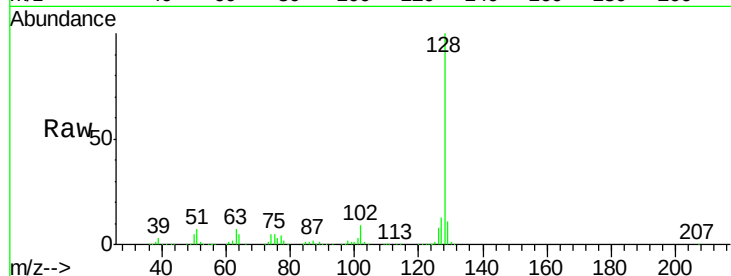
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	570515
Ion Ratio		Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.7	8.9	13.3

Manual Integrations
APPROVED

apatel
3/16/2018 3:43:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.68 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VX000324.D

Acq: 15 Mar 2018 12:51

Tgt Ion:	180	Resp:	157698
Ion Ratio		Lower	Upper
180	100		
182	95.2	47.4	142.3
145	32.1	15.8	47.3

