

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
 Data File : VD064506.D
 Acq On : 13 Dec 2019 14:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 13 22:50:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	422533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	609828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	540502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274100	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	194535	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.91	113	203614	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.34	98	759960	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.64	95	236380	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	185696	48.503	ug/l	98
3) Chloromethane	2.21	50	230753	47.786	ug/l	100
4) Vinyl Chloride	2.35	62	290759	52.150	ug/l	100
5) Bromomethane	2.77	94	193115	46.837	ug/l	97
6) Chloroethane	2.93	64	193175	51.836	ug/l	96
7) Trichlorofluoromethane	3.27	101	504460	54.426	ug/l	97
8) Diethyl Ether	3.70	74	98634	51.210	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	213832	53.806	ug/l	98
10) Methyl Iodide	4.30	142	236881	56.443	ug/l	99
11) Tert butyl alcohol	5.25	59	51543	211.718	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	197570	51.876	ug/l	97
13) Acrolein	3.93	56	76918	231.636	ug/l	100
14) Allyl chloride	4.71	41	306902	51.635	ug/l	99
15) Acrylonitrile	5.43	53	207408	246.257	ug/l	97
16) Acetone	4.17	43	196140	253.784	ug/l	98
17) Carbon Disulfide	4.40	76	598645	49.630	ug/l	96
18) Methyl Acetate	4.72	43	106582	47.278	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	438390	50.181	ug/l	97
20) Methylene Chloride	4.96	84	213019	54.660	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	225930	52.444	ug/l	98
22) Diisopropyl ether	6.37	45	602898	51.383	ug/l	98
23) Vinyl Acetate	6.31	43	1769107	255.751	ug/l	100
24) 1,1-Dichloroethane	6.27	63	371100	52.591	ug/l	99
25) 2-Butanone	7.22	43	264827	242.296	ug/l	99
26) 2,2-Dichloropropane	7.21	77	341337	55.623	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	246465	52.476	ug/l	99
28) Bromochloromethane	7.55	49	126856	52.604	ug/l	99
29) Tetrahydrofuran	7.57	42	163933	235.744	ug/l	98
30) Chloroform	7.71	83	386263	52.855	ug/l	98
31) Cyclohexane	7.98	56	350533	57.596	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	367947	54.307	ug/l	99
36) 1,1-Dichloropropene	8.11	75	308122	53.418	ug/l	99
37) Ethyl Acetate	7.30	43	117875	48.161	ug/l	100
38) Carbon Tetrachloride	8.10	117	346077	56.847	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	385340	53.855	ug/l	99
40) Benzene	8.35	78	845211	52.758	ug/l	98
41) Methacrylonitrile	7.57	41	168206	119.837	ug/l #	26
42) 1,2-Dichloroethane	8.43	62	242719	51.952	ug/l	99
43) Isopropyl Acetate	8.46	43	240941	50.067	ug/l	100
44) Trichloroethene	9.11	130	256345	53.120	ug/l	98
45) 1,2-Dichloropropane	9.39	63	202621	52.884	ug/l	99
46) Dibromomethane	9.48	93	110941	51.303	ug/l	99
47) Bromodichloromethane	9.66	83	300155	54.020	ug/l	96
48) Methyl methacrylate	9.46	41	108606	49.320	ug/l	96
49) 1,4-Dioxane	9.47	88	26742	1001.454	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	589808	247.704	ug/l	99
52) Toluene	10.40	92	556990	53.348	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	279906	52.858	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	337663	53.676	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	152148	51.384	ug/l	98
56) Ethyl methacrylate	10.66	69	188440	49.897	ug/l	98
57) 1,3-Dichloropropane	10.95	76	256417	50.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	353581	234.860	ug/l	100
59) 2-Hexanone	10.98	43	405285	245.298	ug/l	100
60) Dibromochloromethane	11.14	129	211340	52.642	ug/l	100
61) 1,2-Dibromoethane	11.25	107	150203	50.805	ug/l	96
64) Tetrachloroethene	10.88	164	217216	52.700	ug/l	96
65) Chlorobenzene	11.67	112	585738	51.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	222821	53.394	ug/l	99
67) Ethyl Benzene	11.75	91	1072568	53.475	ug/l	97
68) m/p-Xylenes	11.86	106	820634	107.305	ug/l	99
69) o-Xylene	12.18	106	377032	53.381	ug/l	100
70) Styrene	12.20	104	661605	53.903	ug/l	99
71) Bromoform	12.37	173	127658	51.130	ug/l #	100
73) Isopropylbenzene	12.48	105	1045162	53.017	ug/l	100
74) N-amyl acetate	12.29	43	213599	47.740	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	156306	47.946	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	208474	92.486	ug/l #	100
77) Bromobenzene	12.77	156	246182	50.570	ug/l	99
78) n-propylbenzene	12.83	91	1201112	52.806	ug/l	99
79) 2-Chlorotoluene	12.91	91	638918	51.049	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	845307	52.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	52987	51.257	ug/l	96
82) 4-Chlorotoluene	13.01	91	681119	51.400	ug/l	100
83) tert-Butylbenzene	13.23	119	738585	52.735	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	841379	51.940	ug/l	99
85) sec-Butylbenzene	13.41	105	1018257	52.973	ug/l	99
86) p-Isopropyltoluene	13.53	119	961121	52.961	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	481045	52.063	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	466165	51.102	ug/l	100
89) n-Butylbenzene	13.85	91	879774	53.384	ug/l	100
90) Hexachloroethane	14.12	117	183958	54.196	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	403764	51.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23541	48.167	ug/l	94

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

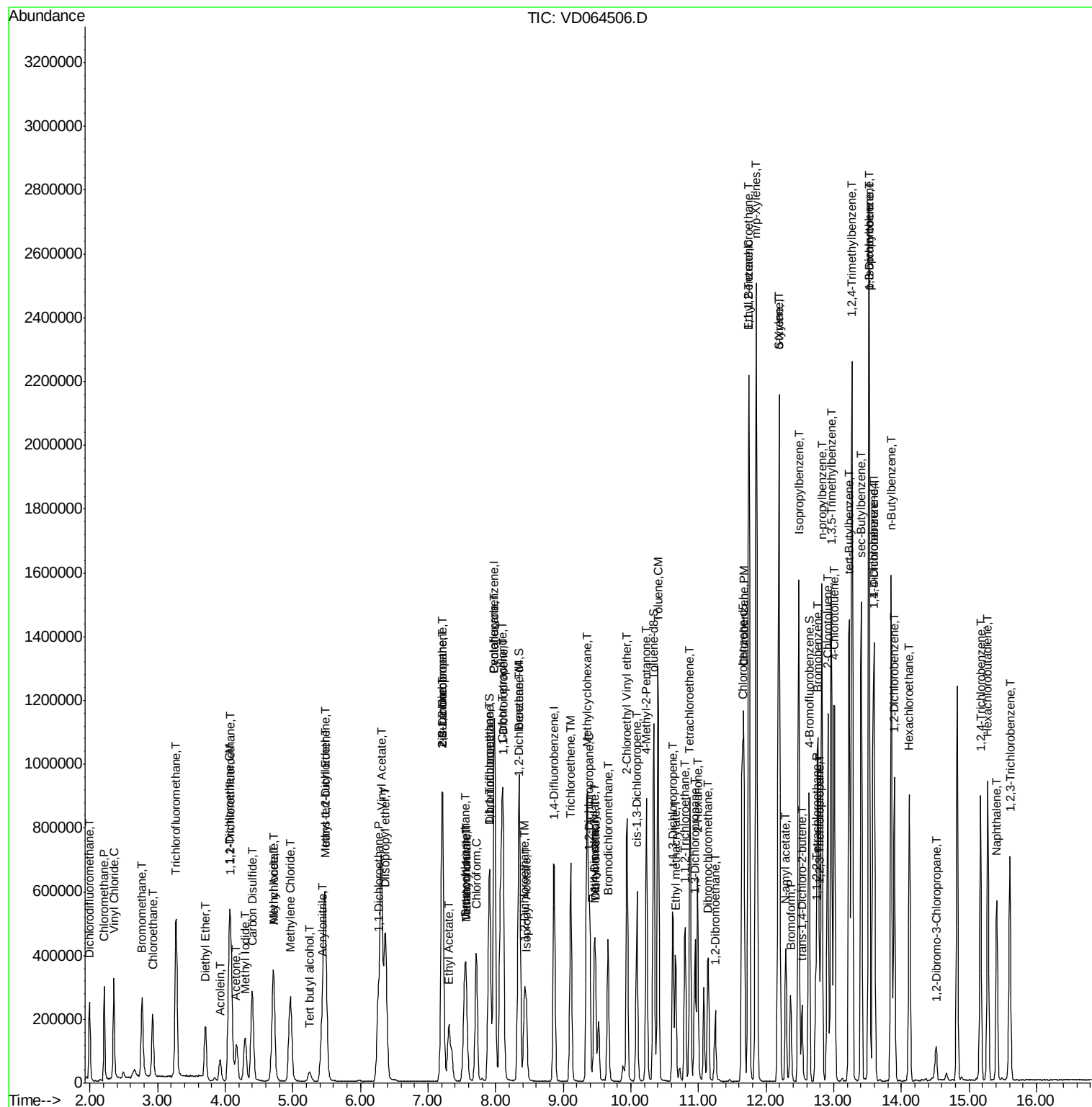
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	300493	49.689	ug/l	98
94) Hexachlorobutadiene	15.28	225	191678	51.342	ug/l	98
95) Naphthalene	15.41	128	493793	48.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	258988	50.170	ug/l	99

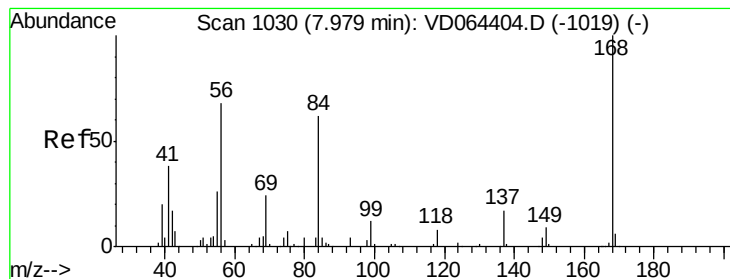
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

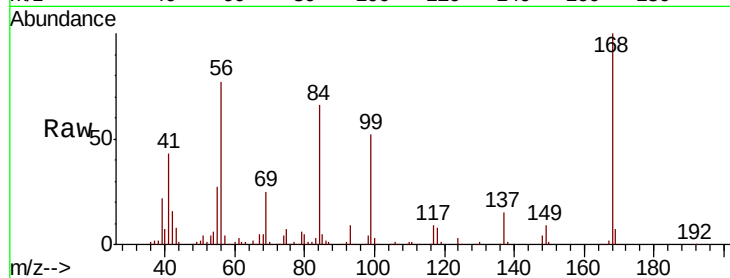
VSTDCCC050

Tgt Ion:168 Resp: 422533

Ion Ratio Lower Upper

168 100

99 51.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

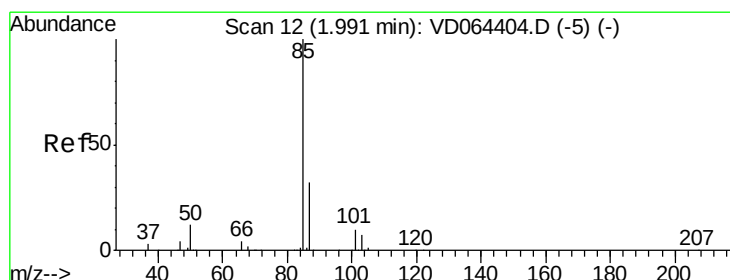
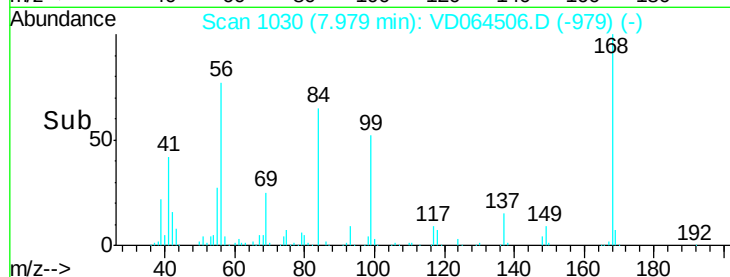
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.503 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064506.D

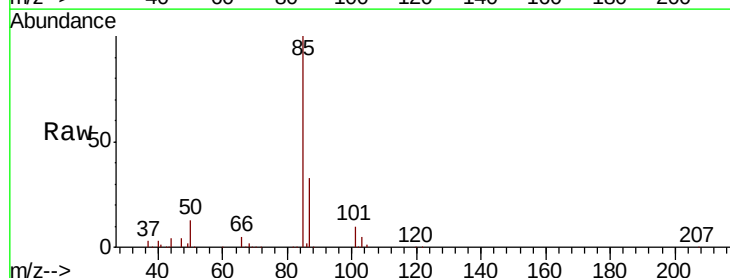
Acq: 13 Dec 2019 14:42

Tgt Ion: 85 Resp: 185696

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

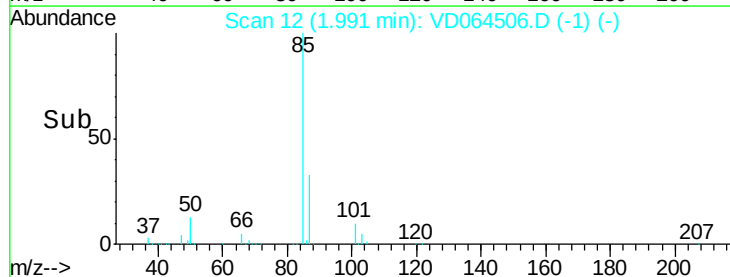
100000

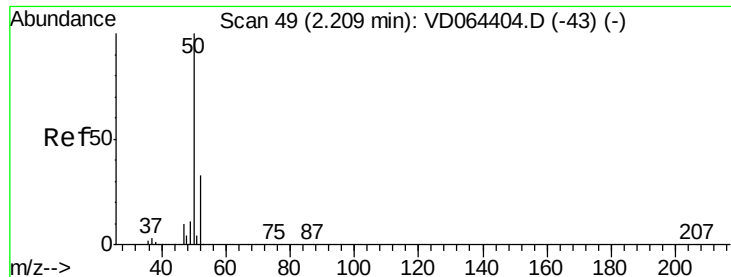
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 47.786 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

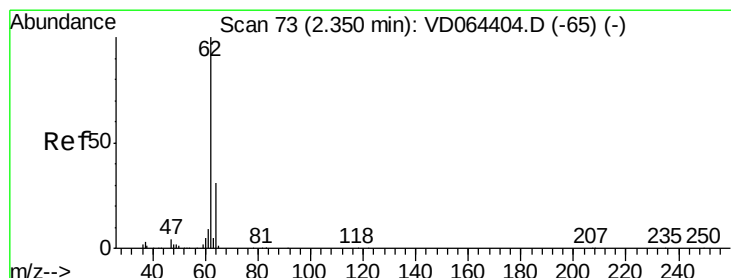
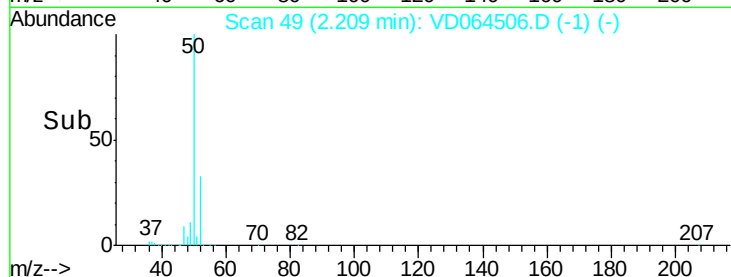
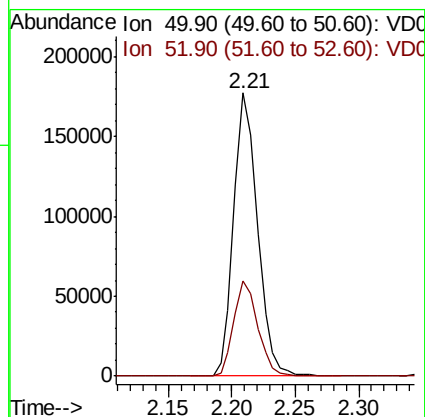
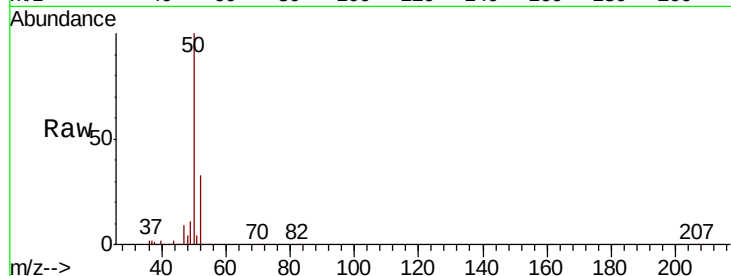
VSTDCCC050

Tgt Ion: 50 Resp: 230753

Ion Ratio Lower Upper

50 100

52 33.4 26.7 40.1



#4

Vinyl Chloride

Concen: 52.150 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064506.D

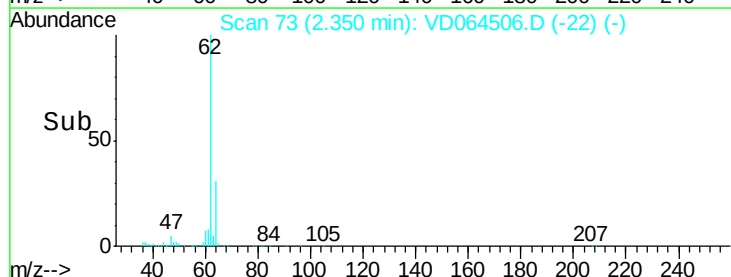
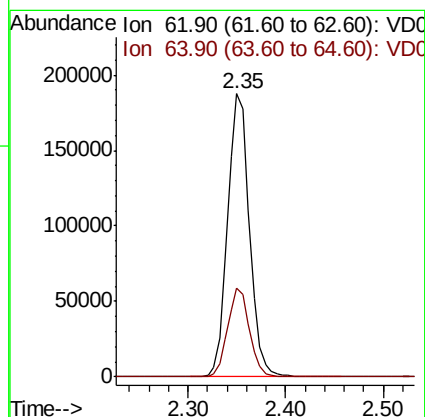
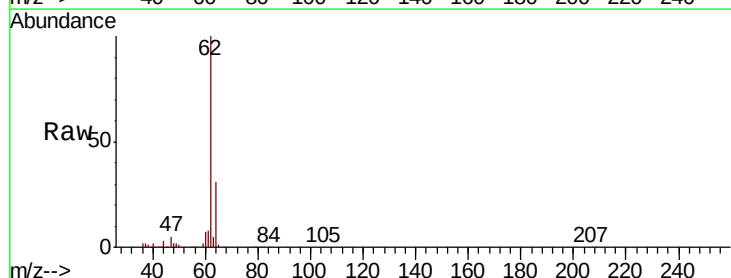
Acq: 13 Dec 2019 14:42

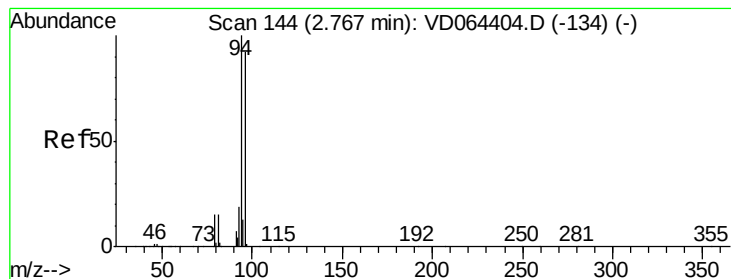
Tgt Ion: 62 Resp: 290759

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 46.837 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

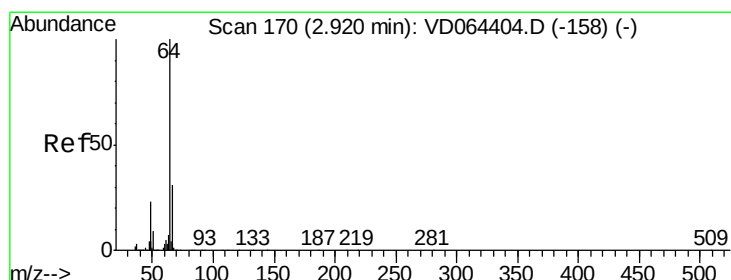
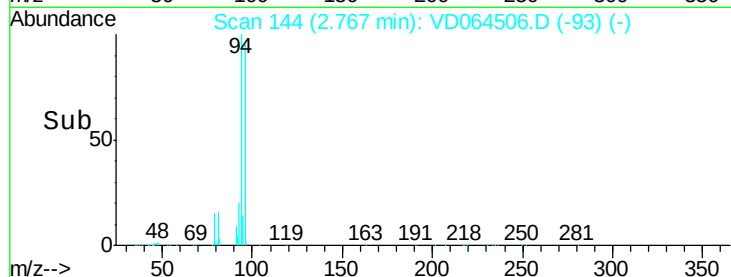
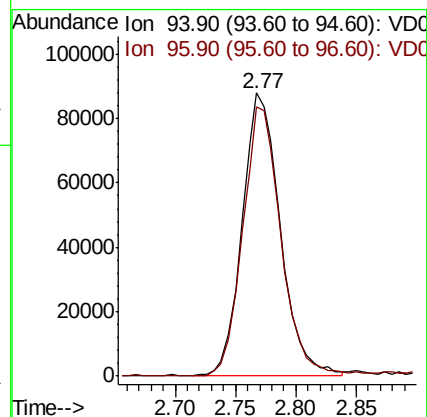
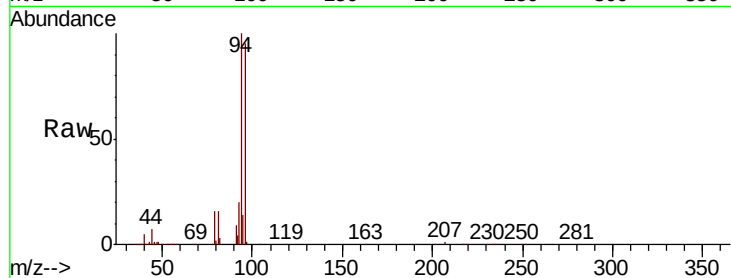
VSTDCCC050

Tgt Ion: 94 Resp: 193115

Ion Ratio Lower Upper

94 100

96 94.8 73.6 110.4



#6

Chloroethane

Concen: 51.836 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064506.D

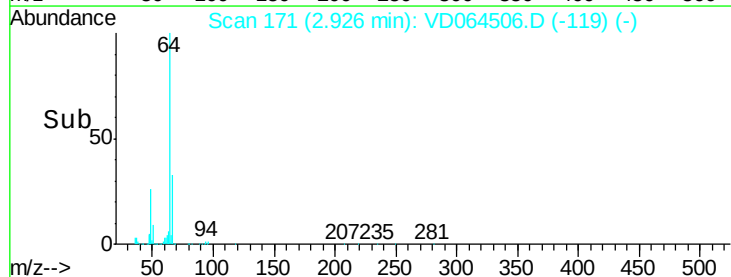
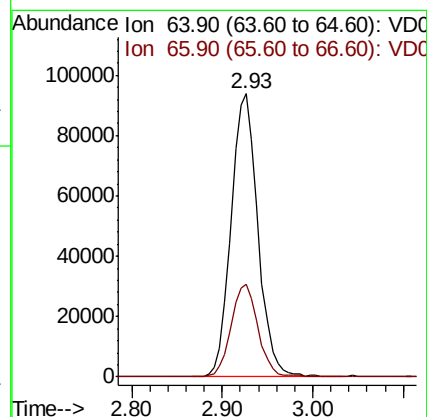
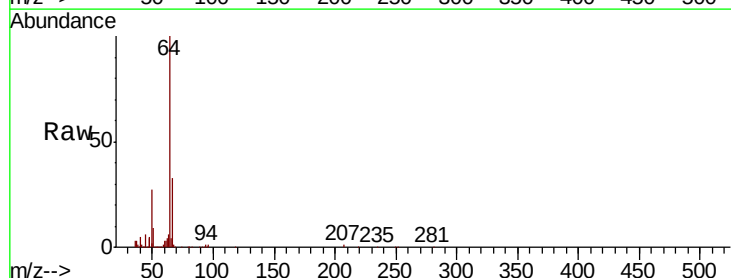
Acq: 13 Dec 2019 14:42

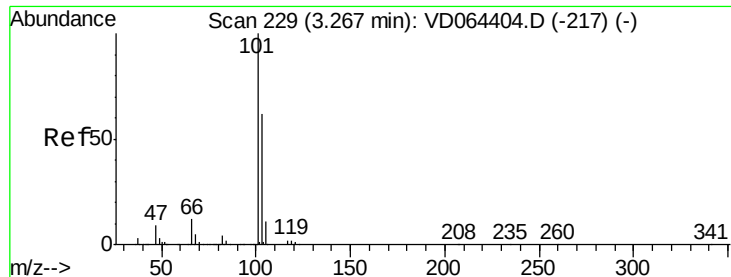
Tgt Ion: 64 Resp: 193175

Ion Ratio Lower Upper

64 100

66 32.8 24.6 37.0



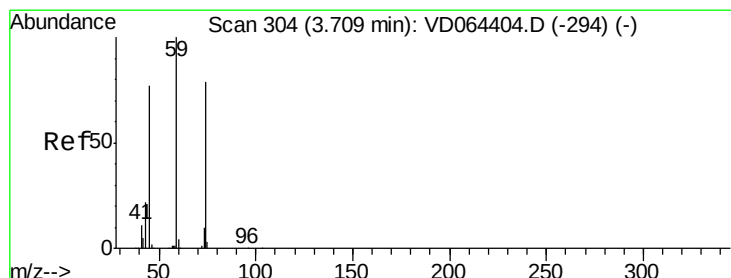
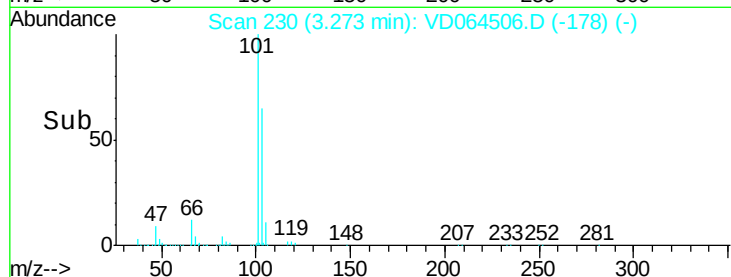
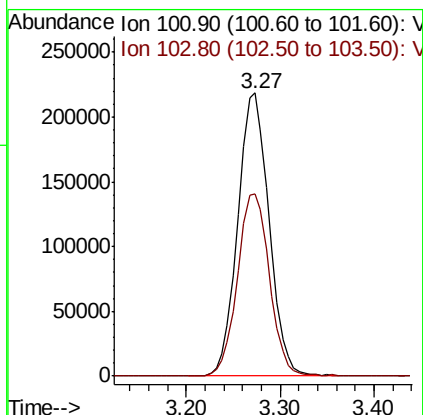
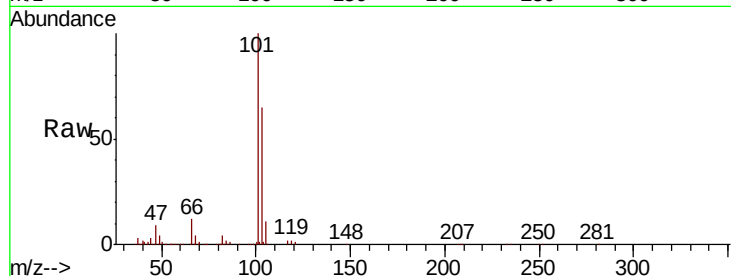


#7

Trichlorofluoromethane
Concen: 54.426 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
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VSTDCCC050

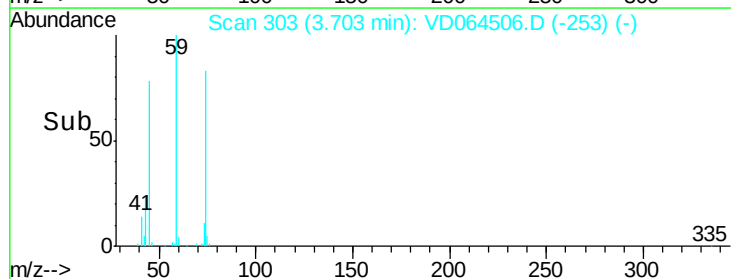
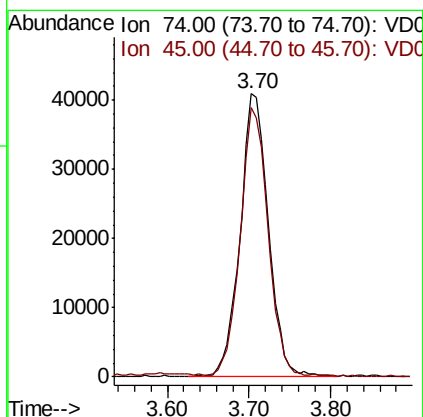
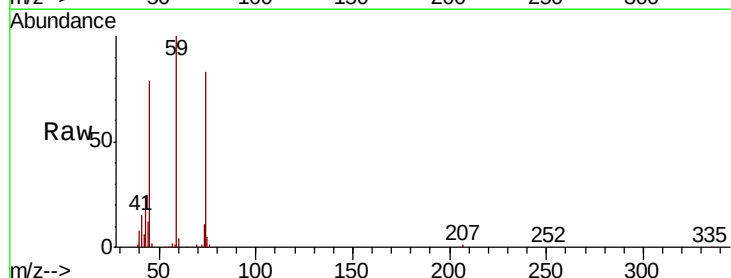
Tgt Ion:101 Resp: 504460
Ion Ratio Lower Upper
101 100
103 64.5 49.8 74.6

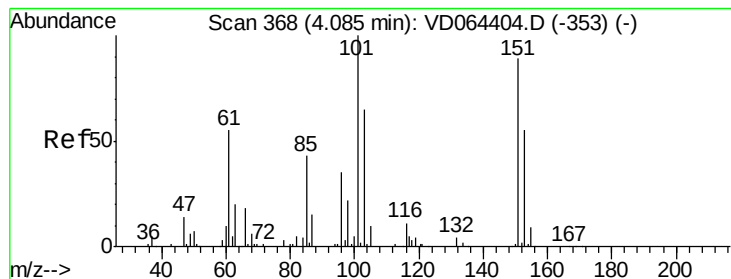


#8

Diethyl Ether
Concen: 51.210 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion: 74 Resp: 98634
Ion Ratio Lower Upper
74 100
45 92.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.806 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

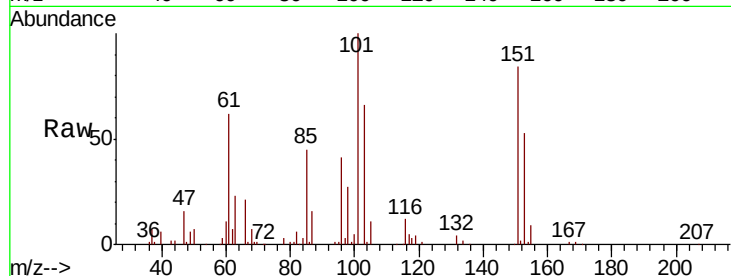
Tgt Ion:101 Resp: 213832

Ion Ratio Lower Upper

101 100

85 44.1 34.8 52.2

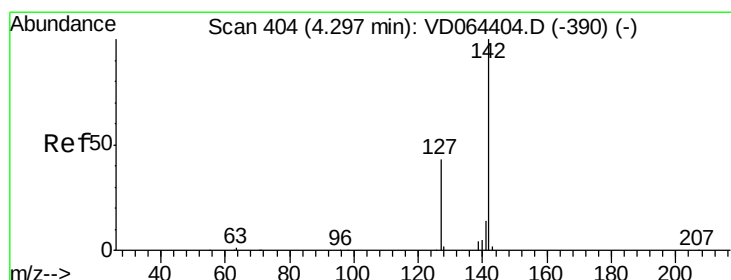
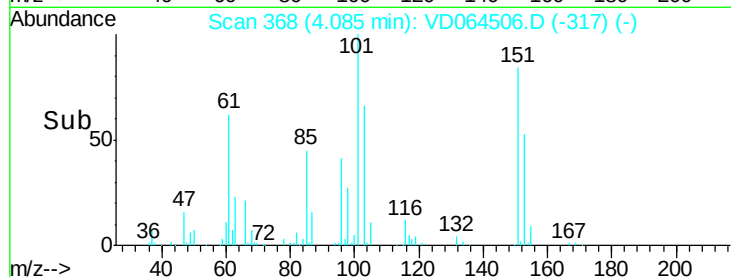
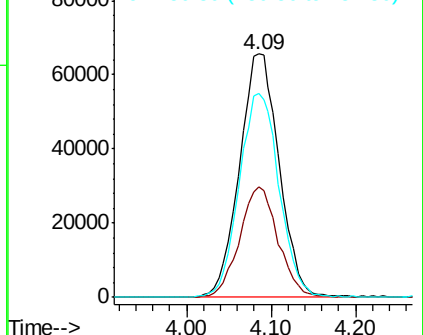
151 84.3 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.443 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

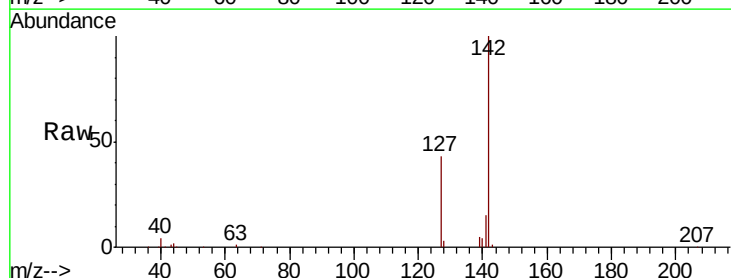
Tgt Ion:142 Resp: 236881

Ion Ratio Lower Upper

142 100

127 43.6 35.3 52.9

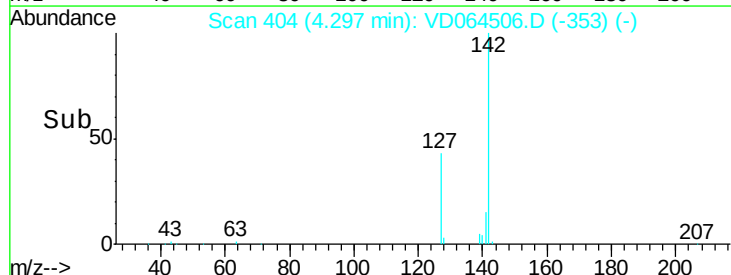
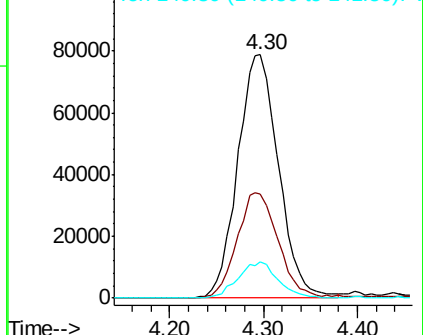
141 14.6 11.6 17.4

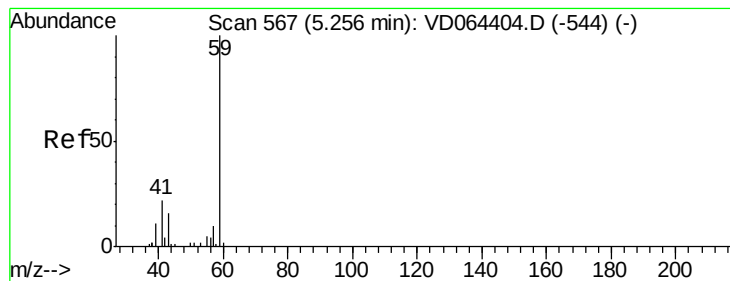


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 211.718 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

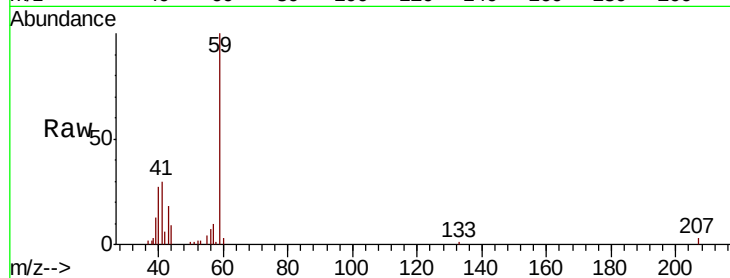
VSTDCCC050

Tgt Ion: 59 Resp: 51543

Ion Ratio Lower Upper

59 100

57 8.9 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

15000

10000

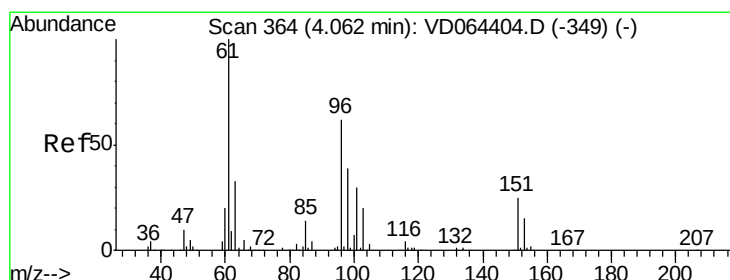
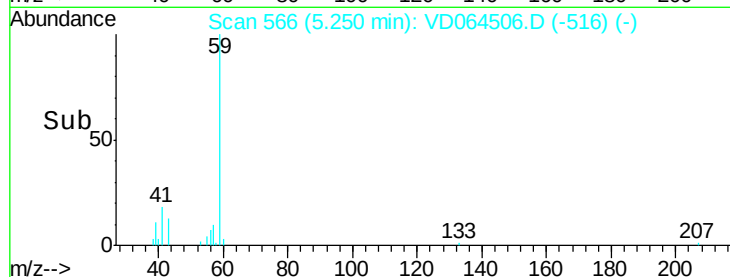
5000

0

Time-->

5.10 5.20 5.30 5.40

5.25



#12

1,1-Dichloroethene

Concen: 51.876 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

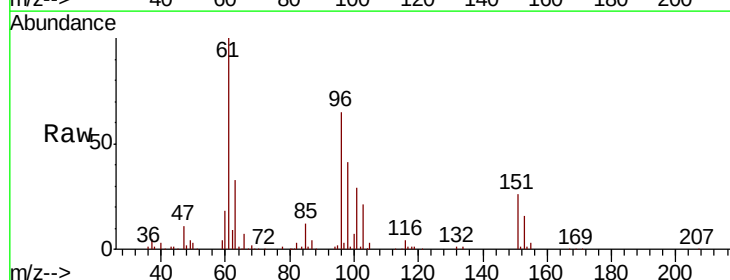
Tgt Ion: 96 Resp: 197570

Ion Ratio Lower Upper

96 100

61 154.2 128.2 192.4

98 63.1 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

150000

100000

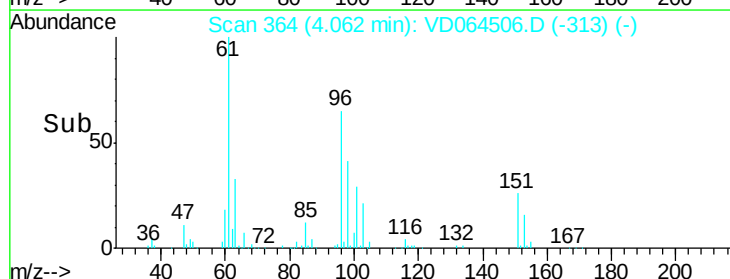
50000

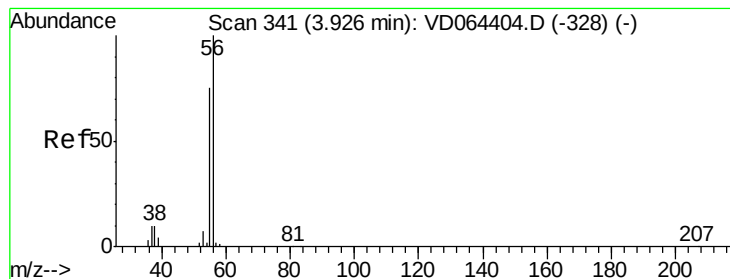
0

Time-->

4.00 4.10 4.20

4.06





#13

Acrolein

Concen: 231.636 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

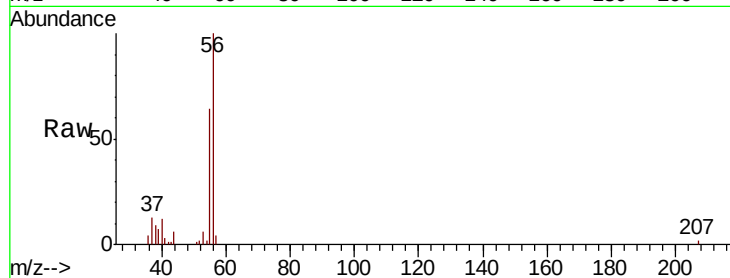
VSTDCCC050

Tgt Ion: 56 Resp: 76918

Ion Ratio Lower Upper

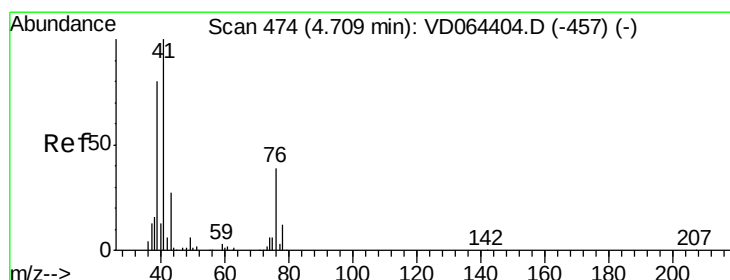
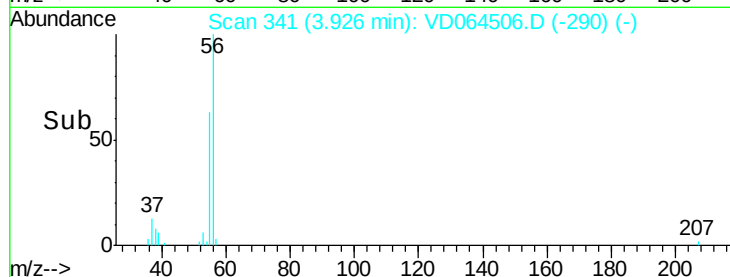
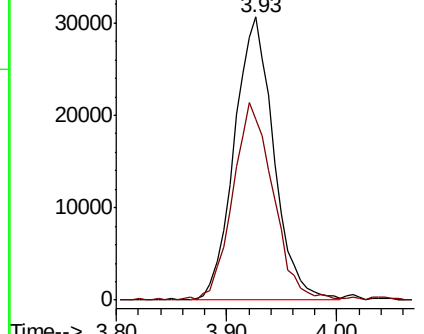
56 100

55 71.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.635 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

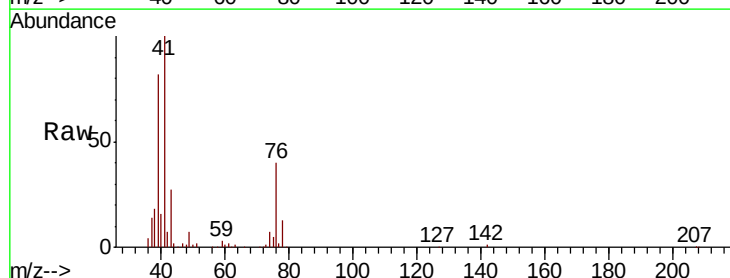
Tgt Ion: 41 Resp: 306902

Ion Ratio Lower Upper

41 100

39 76.9 62.1 93.1

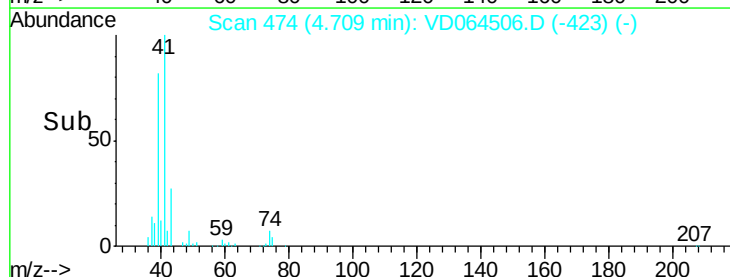
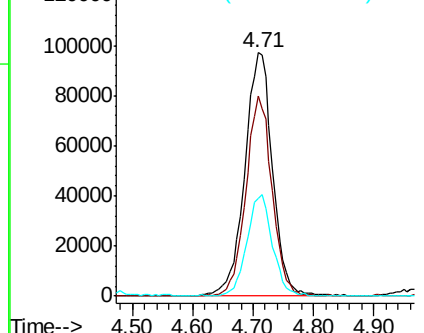
76 38.6 29.8 44.8

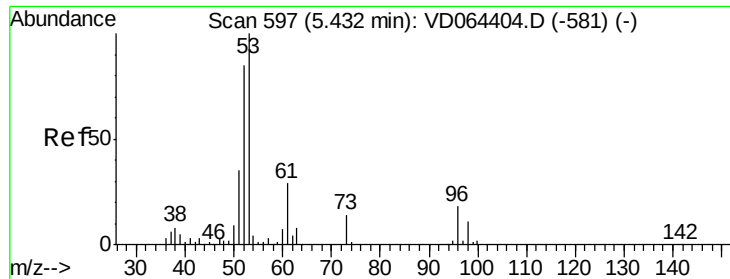


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 246.257 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

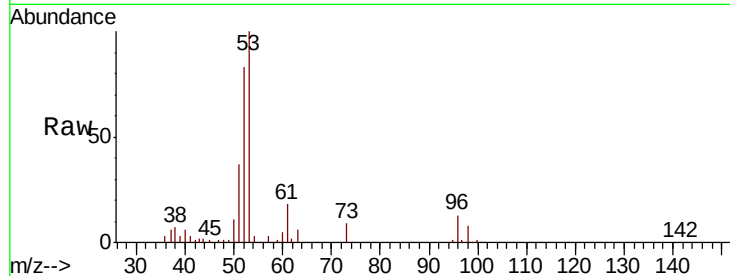
Tgt Ion: 53 Resp: 207408

Ion Ratio Lower Upper

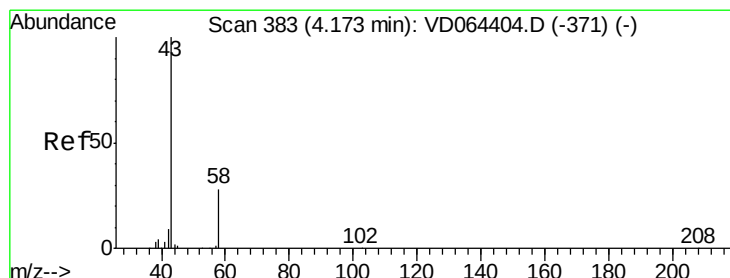
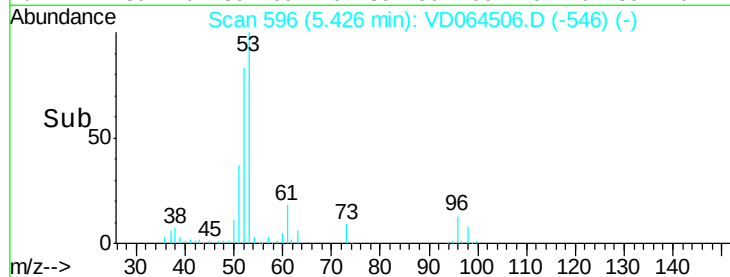
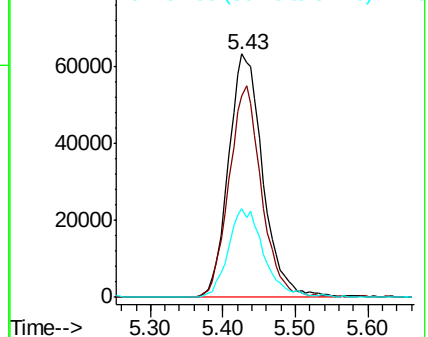
53 100

52 82.1 67.9 101.9

51 37.4 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 253.784 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064506.D

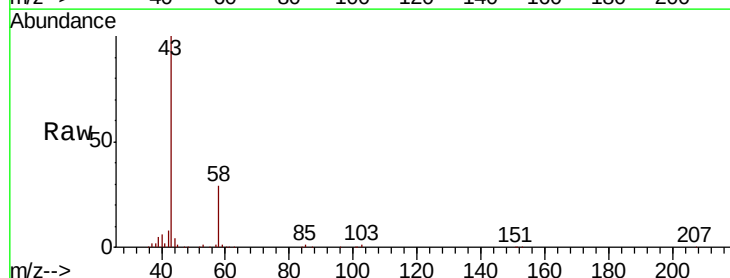
Acq: 13 Dec 2019 14:42

Tgt Ion: 43 Resp: 196140

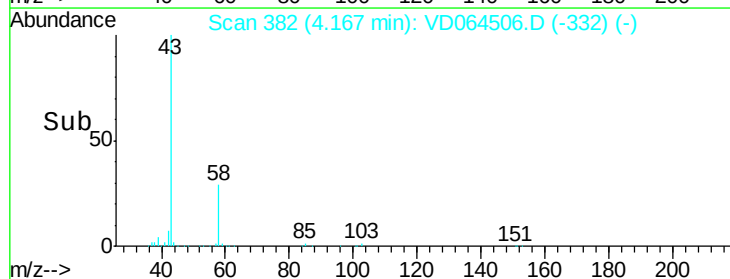
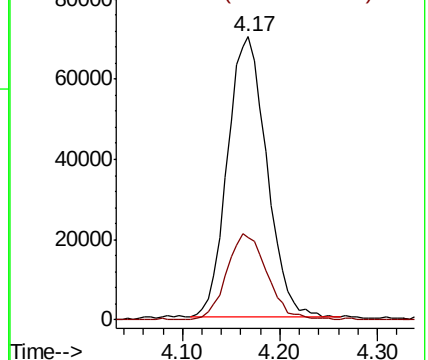
Ion Ratio Lower Upper

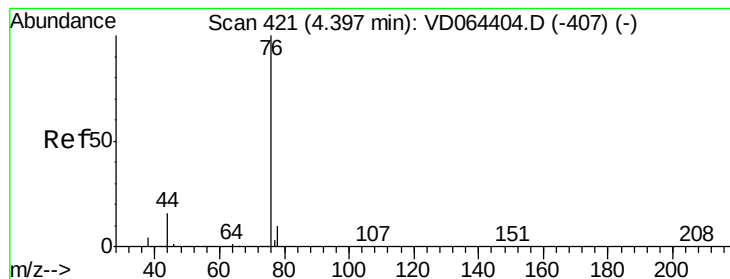
43 100

58 29.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 49.630 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

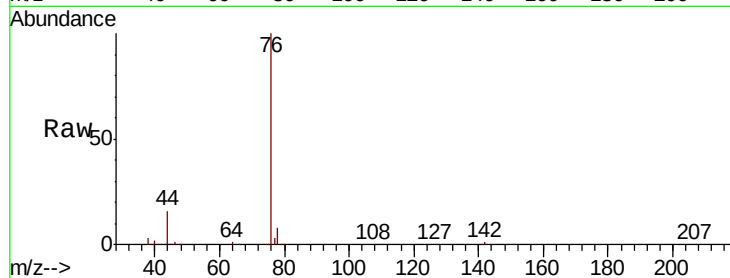
VSTDCCC050

Tgt Ion: 76 Resp: 598645

Ion Ratio Lower Upper

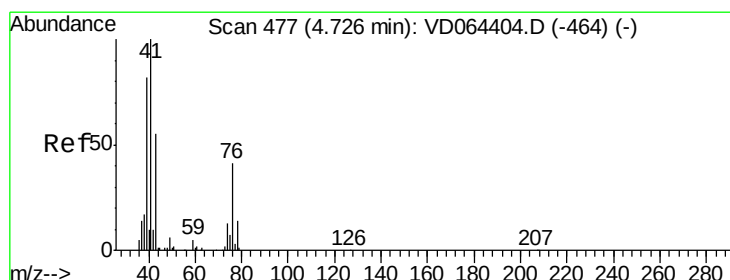
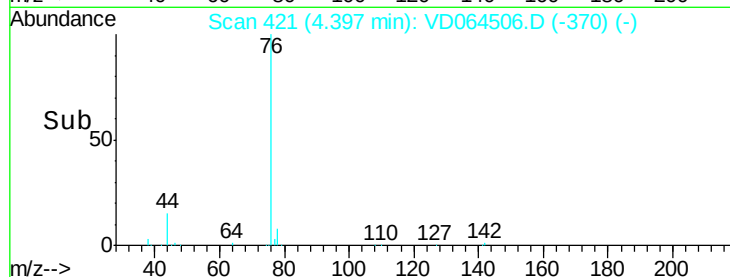
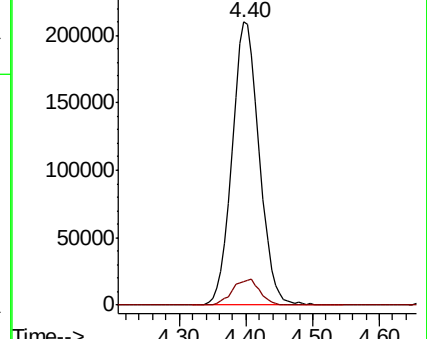
76 100

78 8.4 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.278 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064506.D

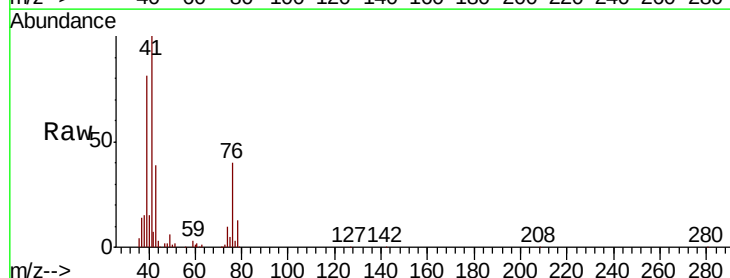
Acq: 13 Dec 2019 14:42

Tgt Ion: 43 Resp: 106582

Ion Ratio Lower Upper

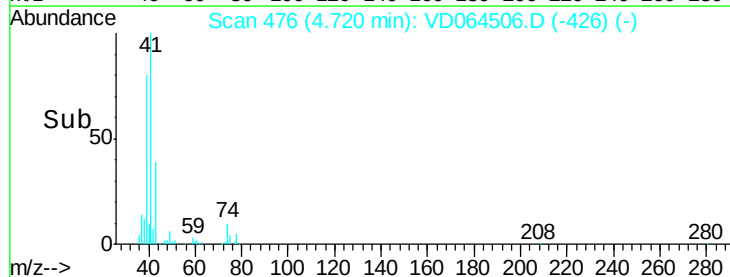
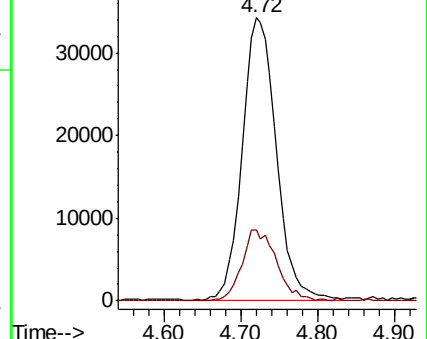
43 100

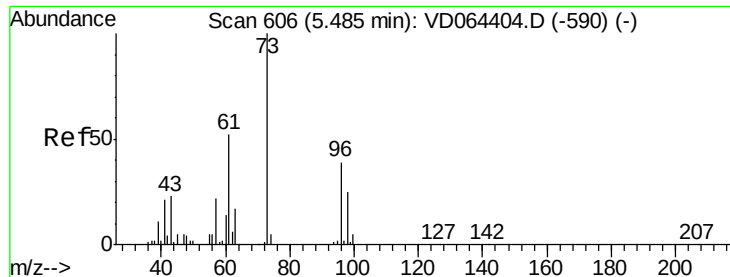
74 25.4 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



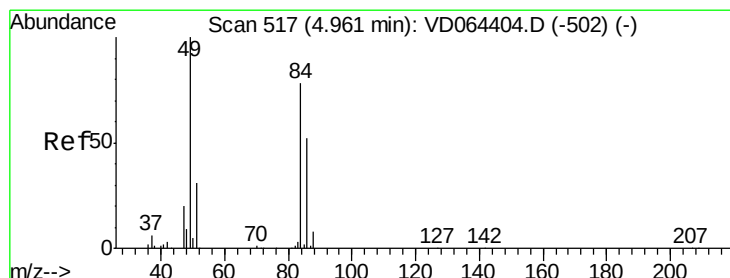
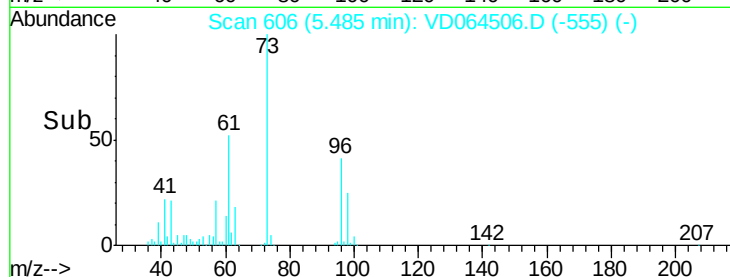
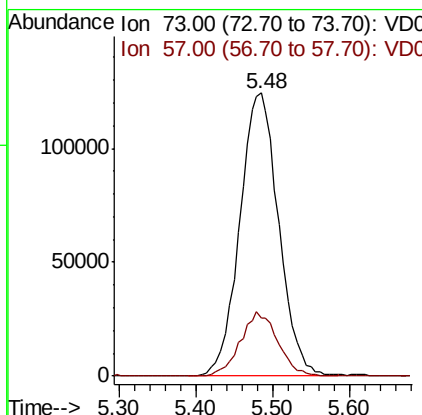
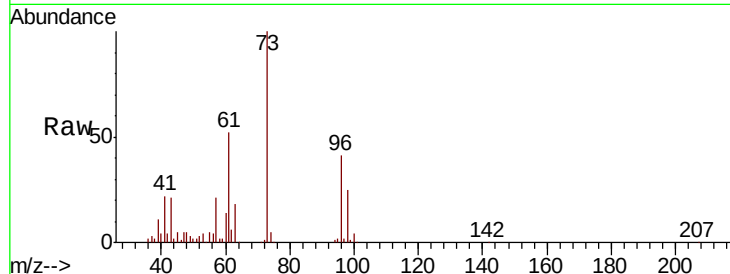


#19

Methyl tert-butyl Ether
 Concen: 50.181 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

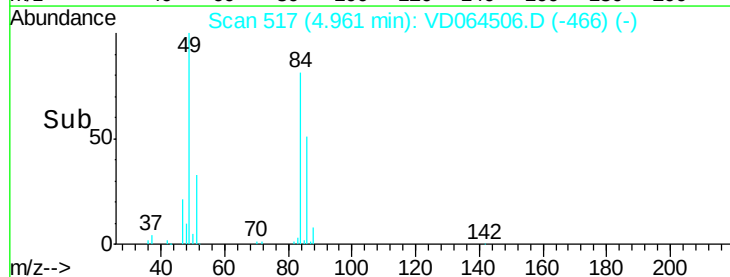
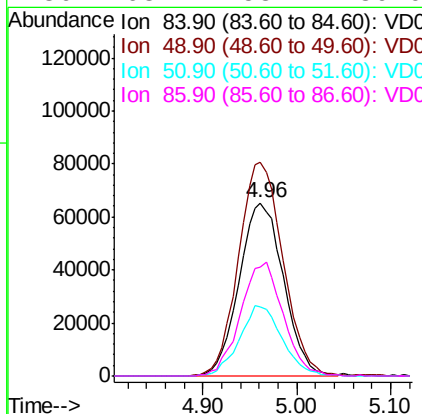
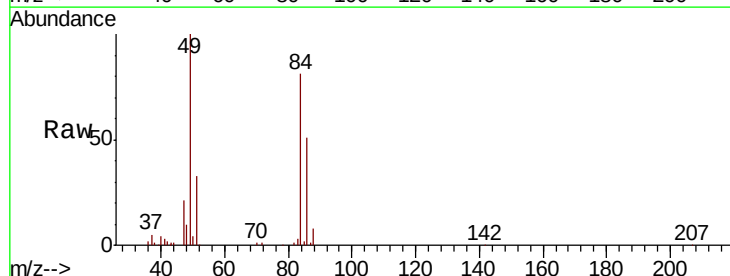
Tgt Ion: 73 Resp: 438390
 Ion Ratio Lower Upper
 73 100
 57 20.7 17.6 26.4

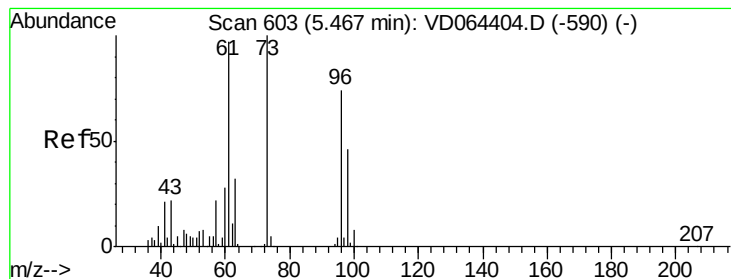


#20

Methylene Chloride
 Concen: 54.660 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion: 84 Resp: 213019
 Ion Ratio Lower Upper
 84 100
 49 123.2 102.6 153.8
 51 40.3 32.0 48.0
 86 63.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 52.444 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

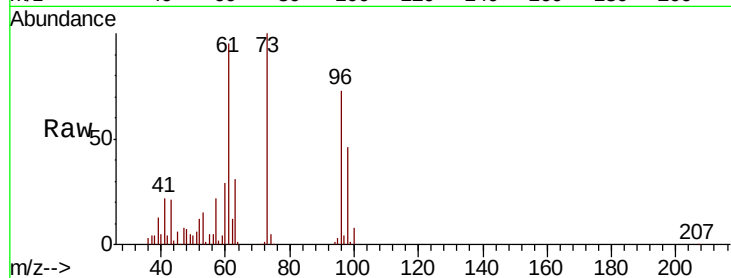
Tgt Ion: 96 Resp: 225930

Ion Ratio Lower Upper

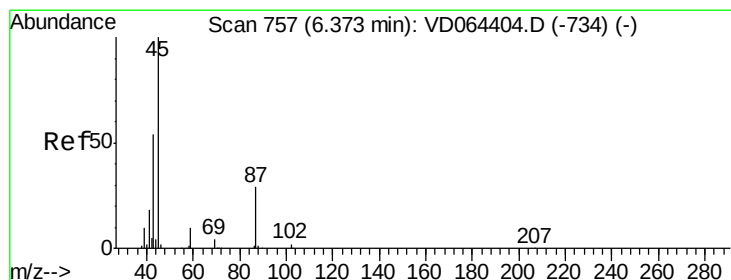
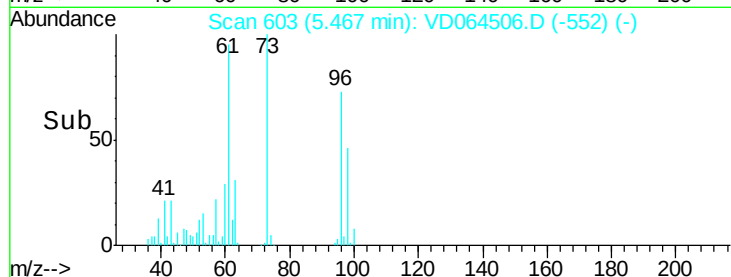
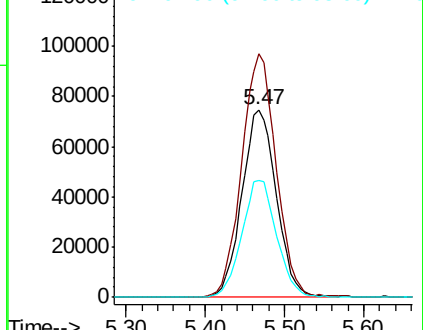
96 100

61 129.7 105.8 158.6

98 62.3 50.1 75.1



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



#22

Diisopropyl ether

Concen: 51.383 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion: 45 Resp: 602898

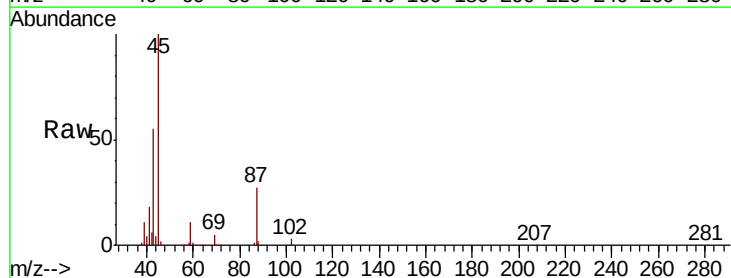
Ion Ratio Lower Upper

45 100

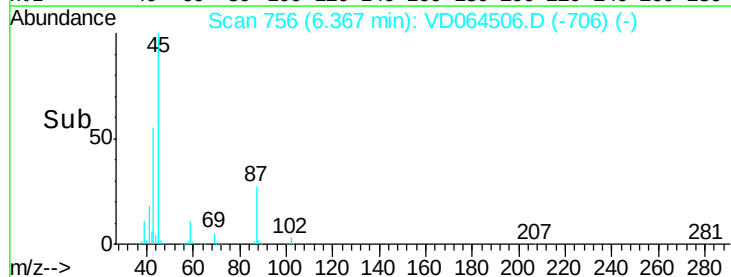
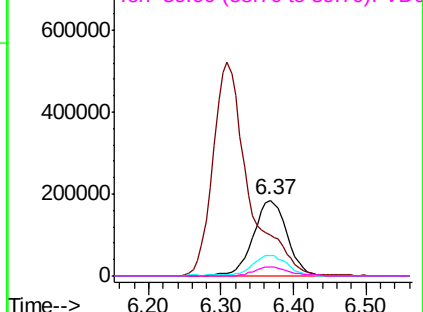
43 53.6 43.1 64.7

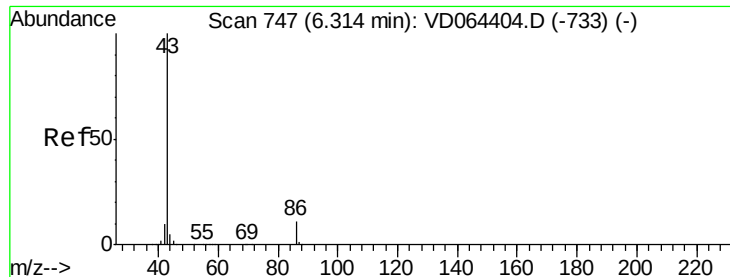
87 27.1 23.5 35.3

59 11.0 8.2 12.2



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

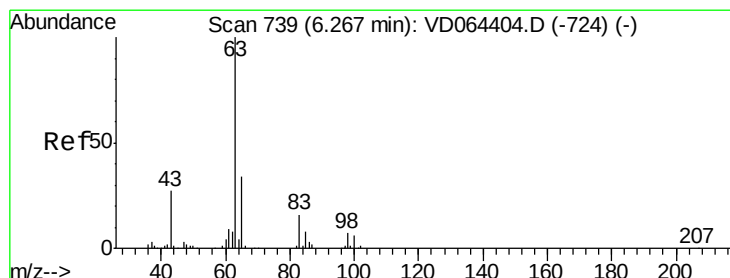
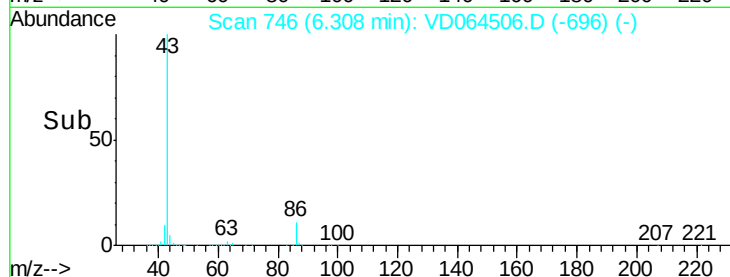
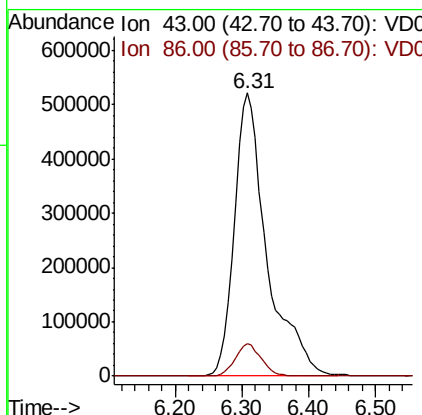
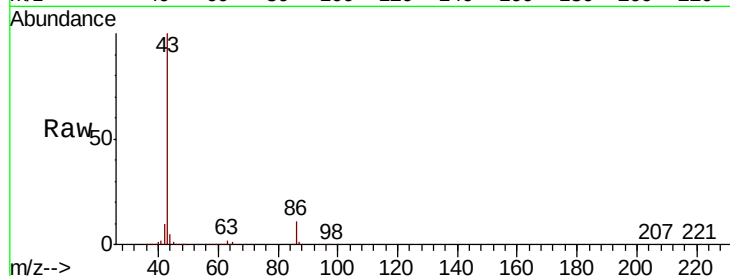




#23
 Vinyl Acetate
 Concen: 255.751 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

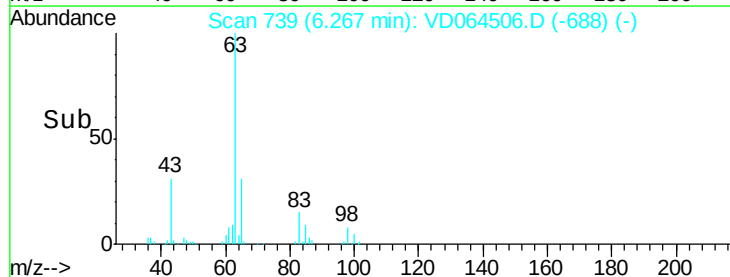
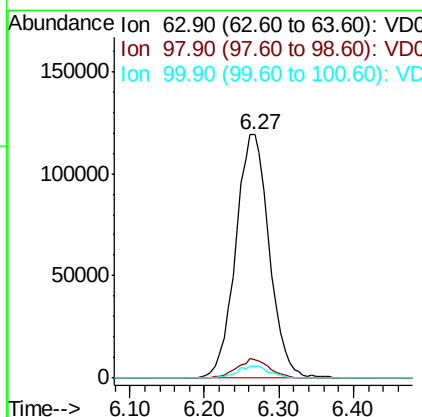
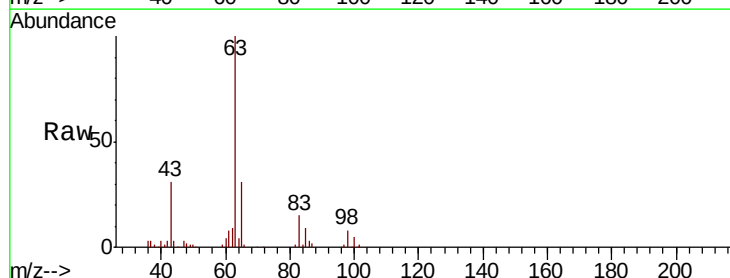
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

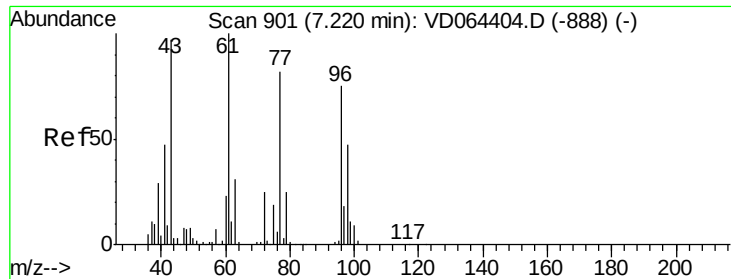
Tgt Ion: 43 Resp: 1769107
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 52.591 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion: 63 Resp: 371100
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.6 10.9
 100 5.2 2.9 8.6





#25

2-Butanone

Concen: 242.296 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

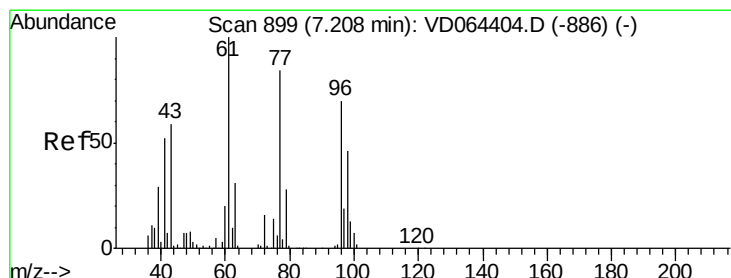
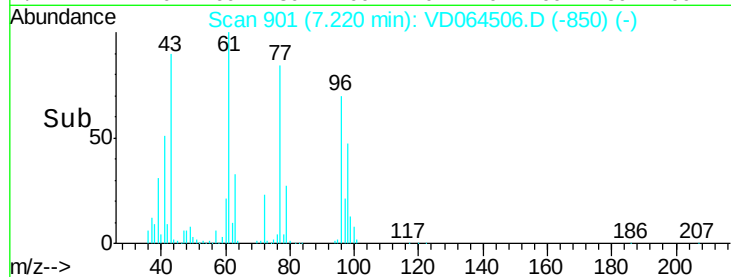
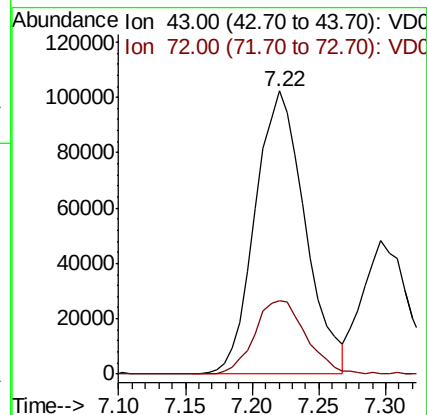
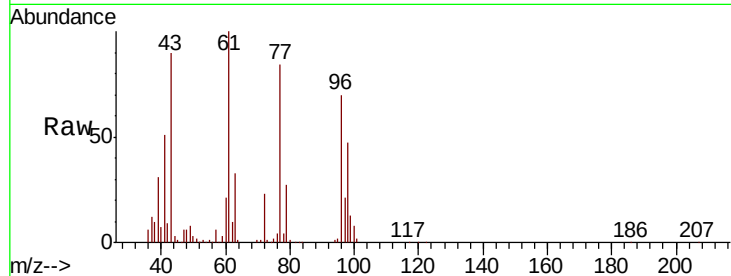
VSTDCCC050

Tgt Ion: 43 Resp: 264827

Ion Ratio Lower Upper

43 100

72 25.9 21.0 31.4



#26

2,2-Dichloropropane

Concen: 55.623 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064506.D

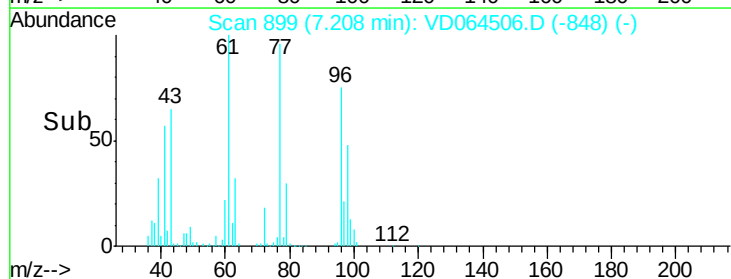
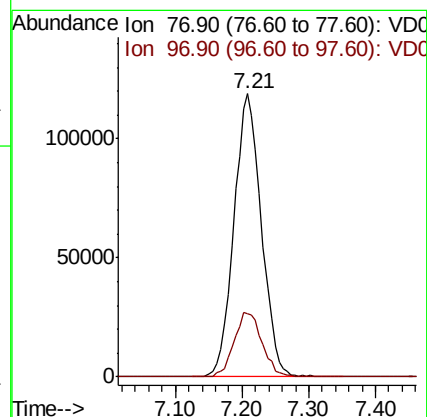
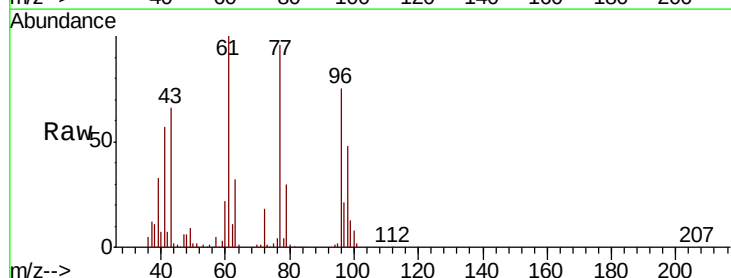
Acq: 13 Dec 2019 14:42

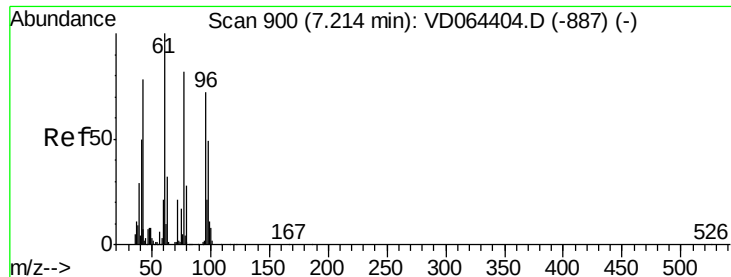
Tgt Ion: 77 Resp: 341337

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 52.476 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

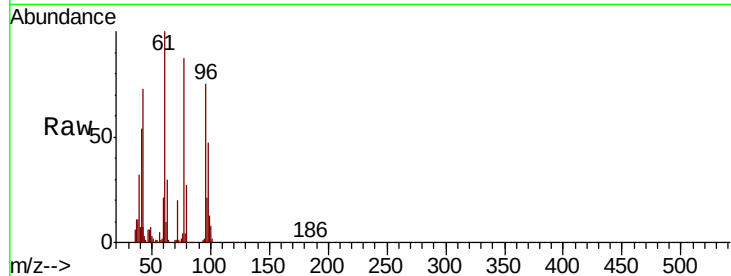
Tgt Ion: 96 Resp: 246465

Ion Ratio Lower Upper

96 100

61 137.7 0.0 279.6

98 64.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

150000

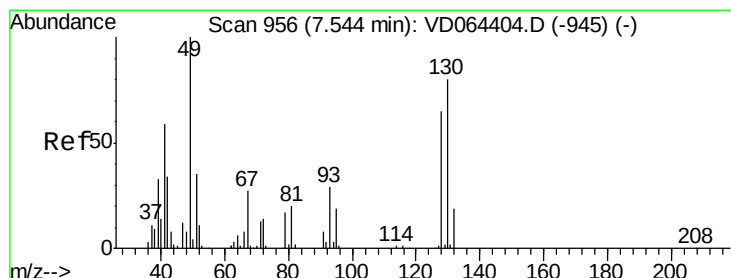
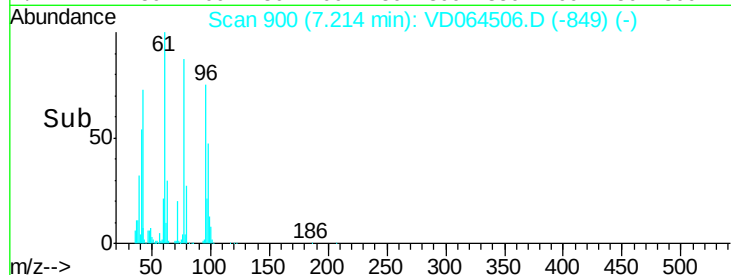
100000

50000

0

7.10 7.20 7.30

Time-->



#28

Bromochloromethane

Concen: 52.604 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

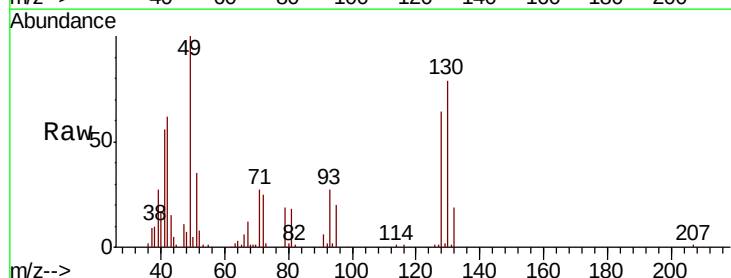
Tgt Ion: 49 Resp: 126856

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.4

130 84.7 67.4 101.0



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

60000

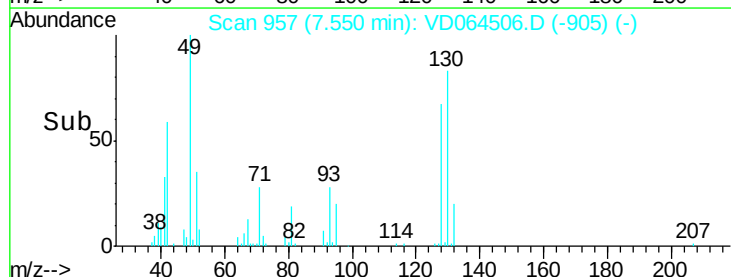
40000

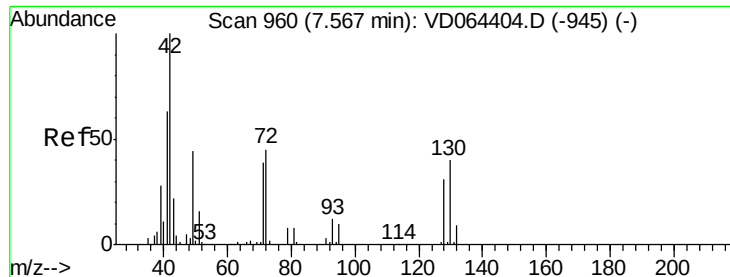
20000

0

7.40 7.50 7.60

Time-->





#29

Tetrahydrofuran

Concen: 235.744 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

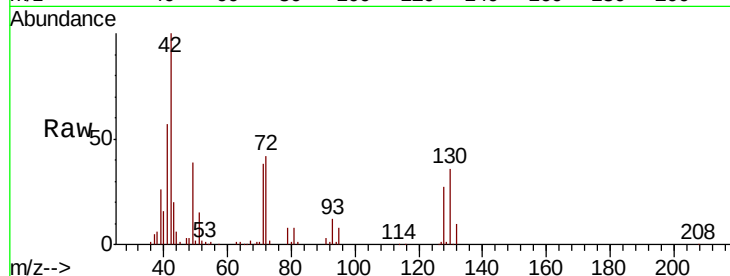
Tgt Ion: 42 Resp: 163933

Ion Ratio Lower Upper

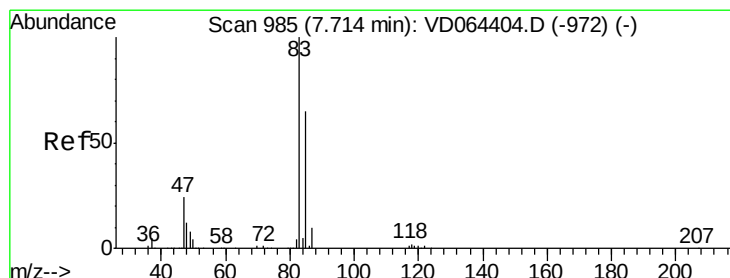
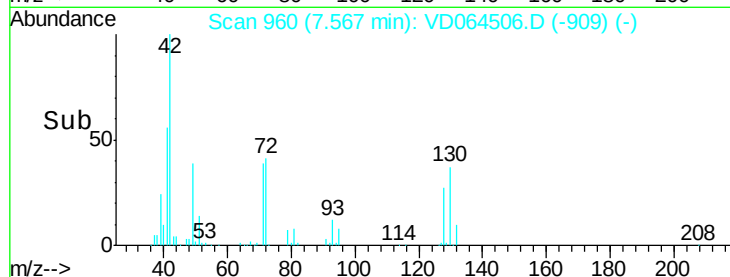
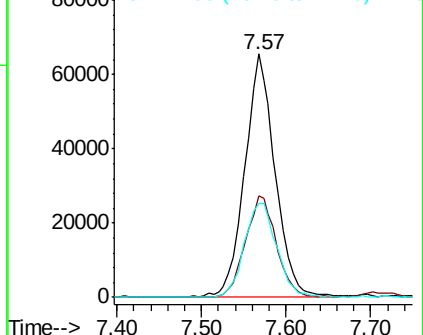
42 100

72 42.4 35.8 53.8

71 41.5 32.7 49.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.855 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064506.D

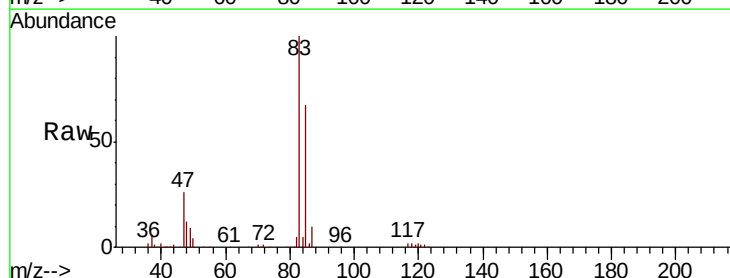
Acq: 13 Dec 2019 14:42

Tgt Ion: 83 Resp: 386263

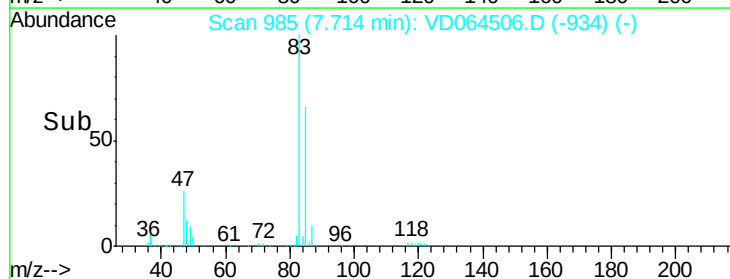
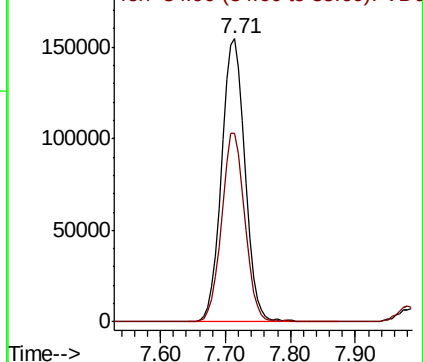
Ion Ratio Lower Upper

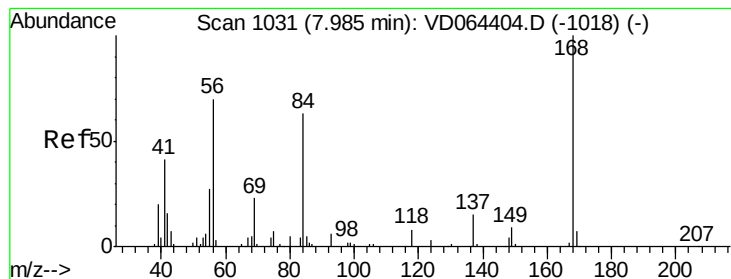
83 100

85 66.5 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 57.596 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

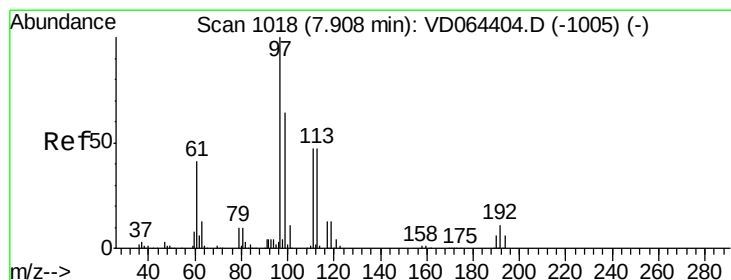
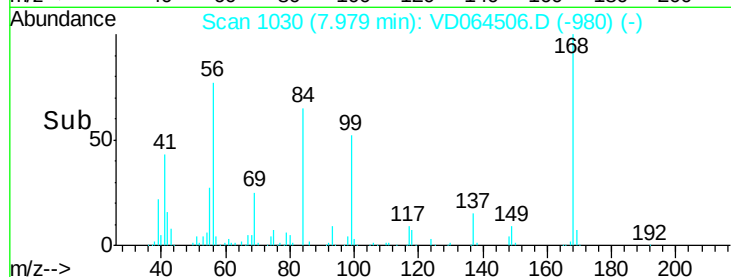
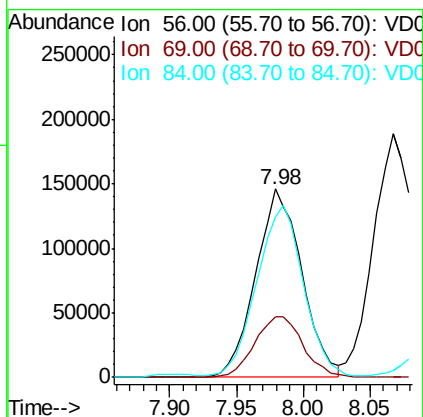
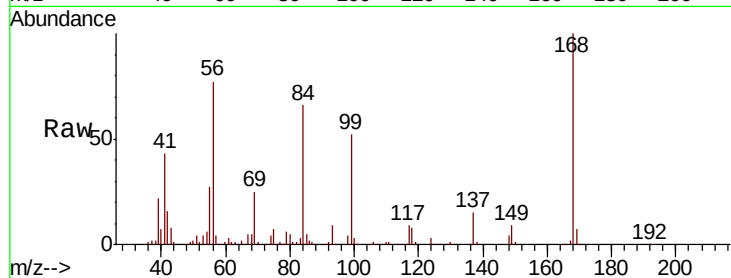
Tgt Ion: 56 Resp: 350533

Ion Ratio Lower Upper

56 100

69 32.3 26.2 39.4

84 83.3 70.3 105.5



#32

1,1,1-Trichloroethane

Concen: 54.307 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

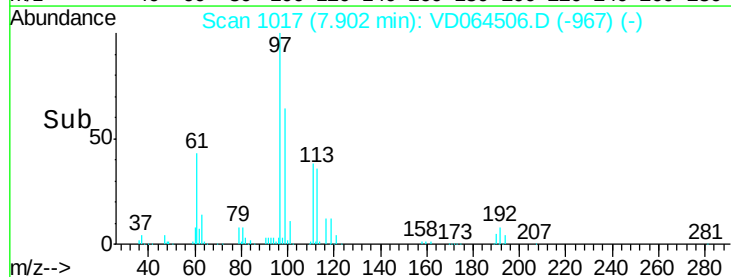
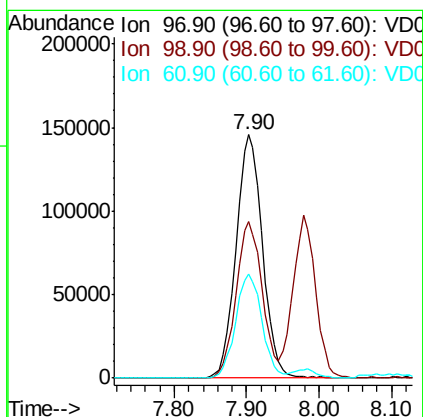
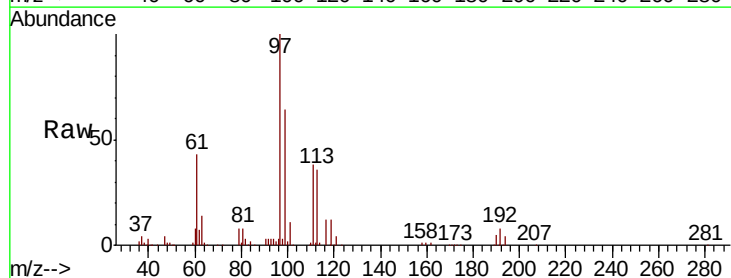
Tgt Ion: 97 Resp: 367947

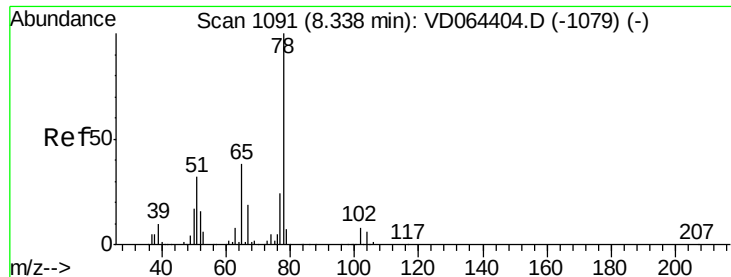
Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.2

61 42.7 35.0 52.4

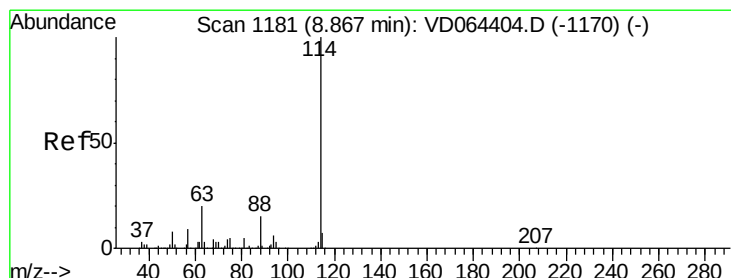
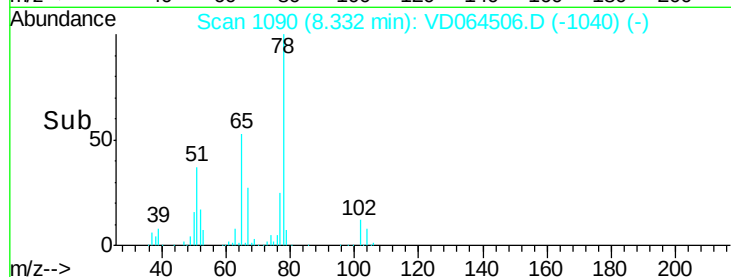
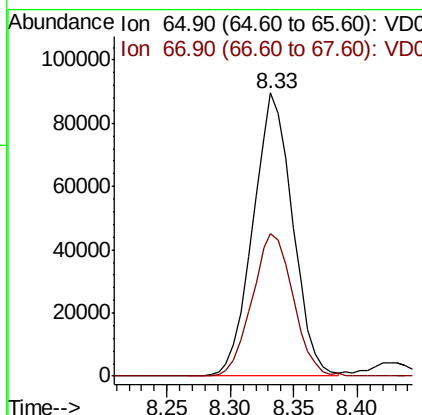
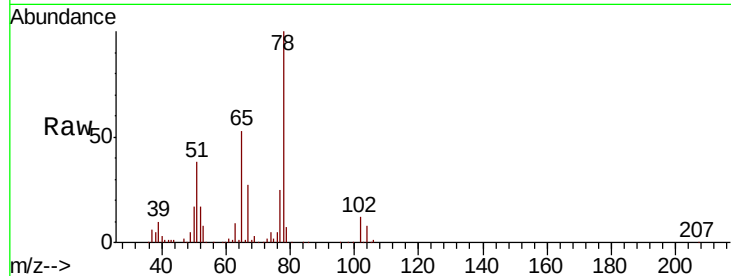




#33
 1,2-Dichloroethane-d4
 Concen: 50.865 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

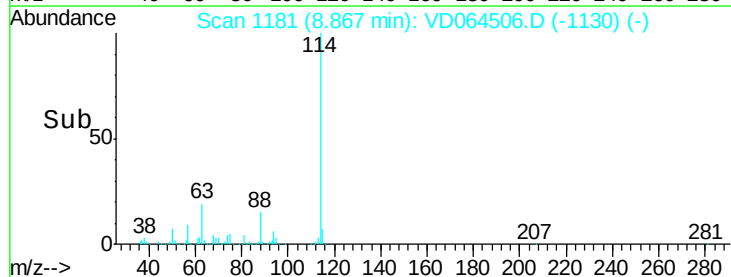
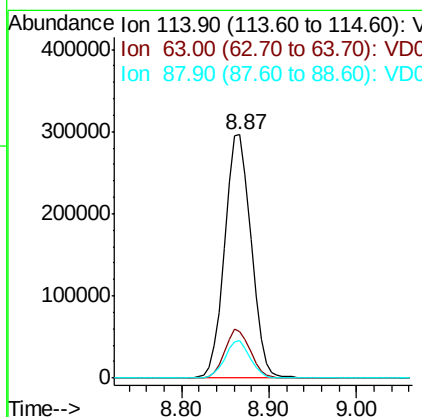
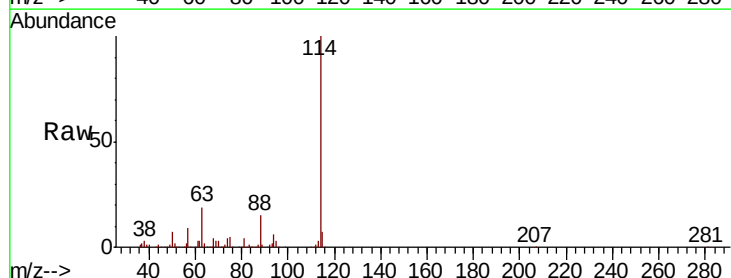
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

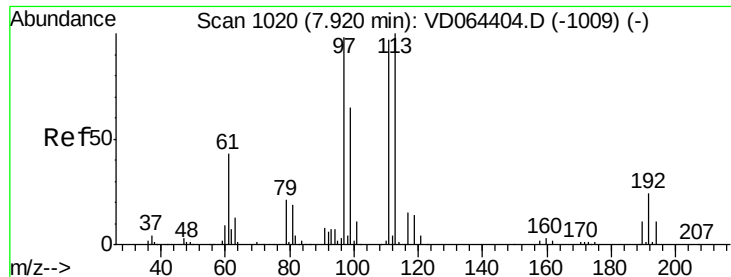
Tgt Ion: 65 Resp: 194535
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion: 114 Resp: 609828
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 15.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 52.994 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

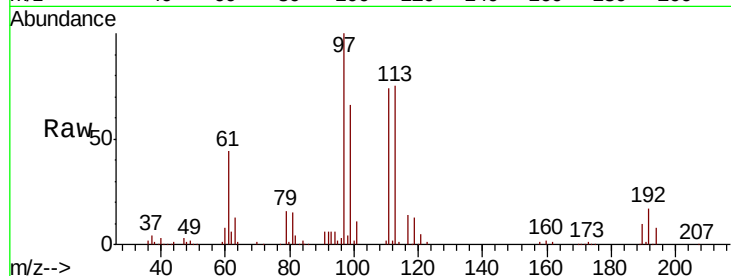
Tgt Ion: 113 Resp: 203614

Ion Ratio Lower Upper

113 100

111 101.6 79.4 119.2

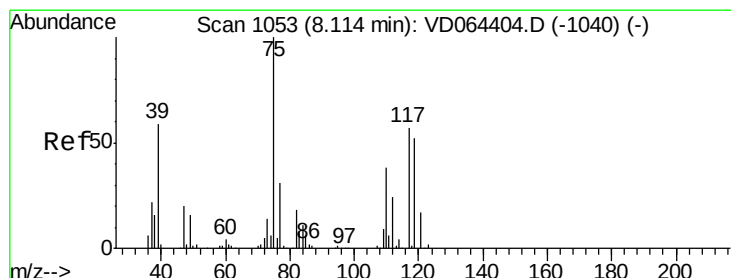
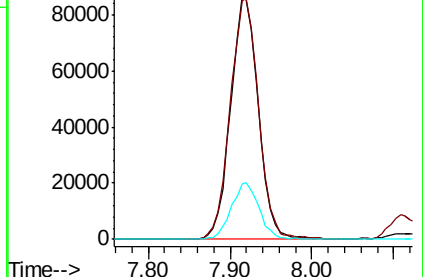
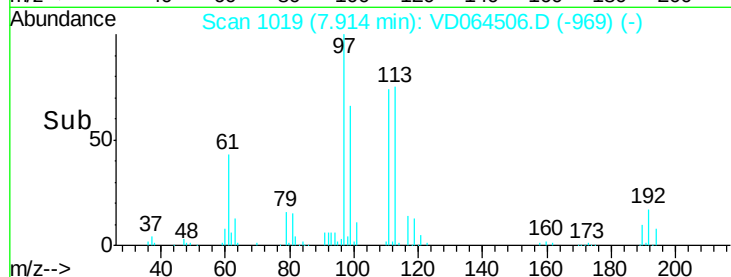
192 23.0 18.6 28.0



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: 53.418 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

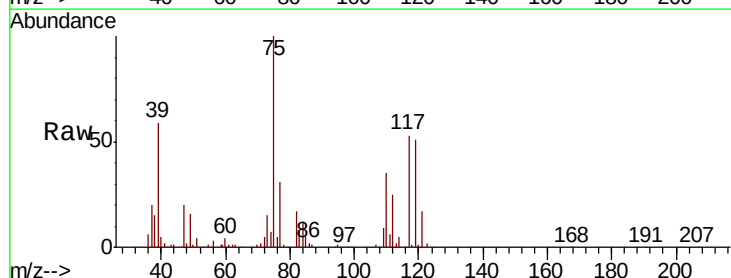
Tgt Ion: 75 Resp: 308122

Ion Ratio Lower Upper

75 100

110 37.3 18.6 55.8

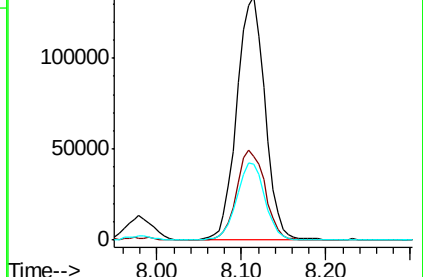
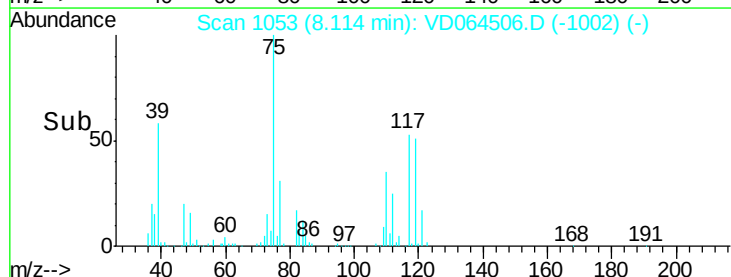
77 31.8 25.0 37.4

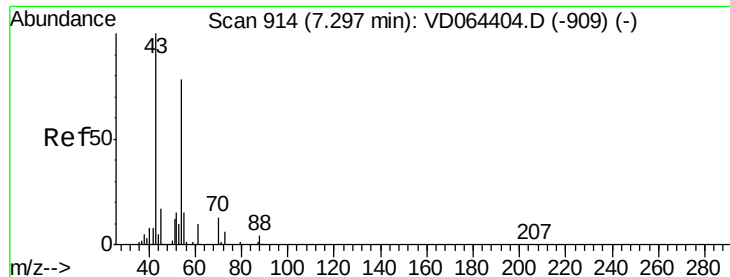


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 48.161 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

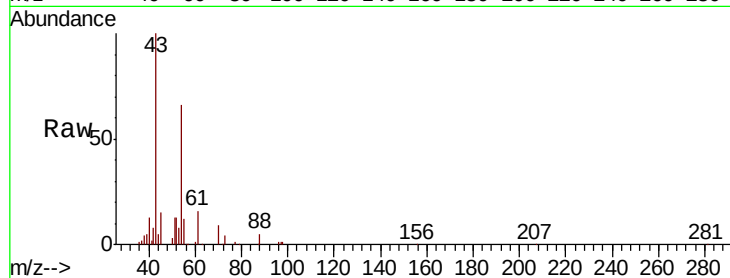
Tgt Ion: 43 Resp: 117875

Ion Ratio Lower Upper

43 100

61 13.7 10.9 16.3

70 10.2 8.3 12.5

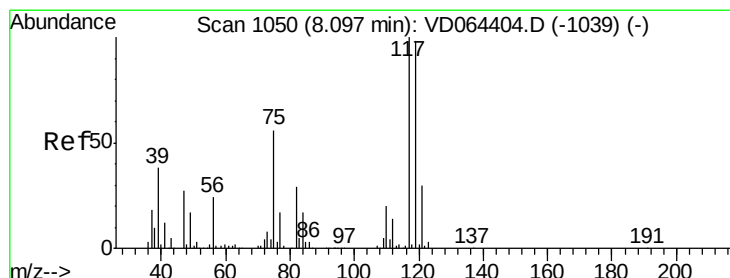
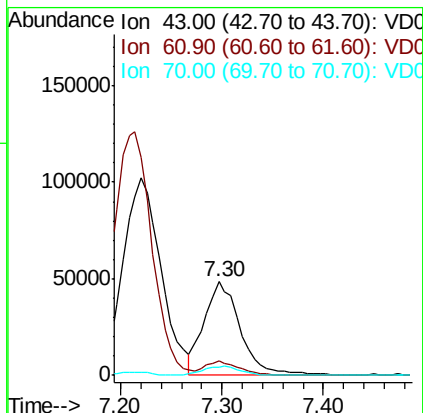
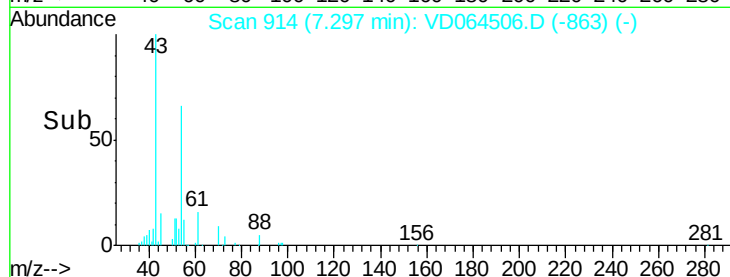


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC

Time-->



#38

Carbon Tetrachloride

Concen: 56.847 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

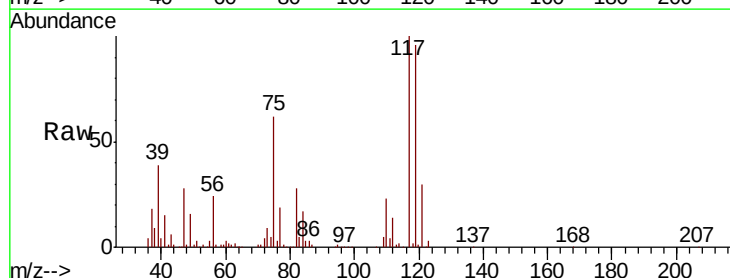
Tgt Ion: 117 Resp: 346077

Ion Ratio Lower Upper

117 100

119 95.6 78.8 118.2

121 30.2 24.2 36.2

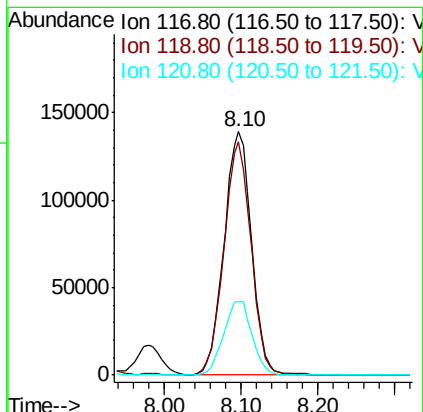
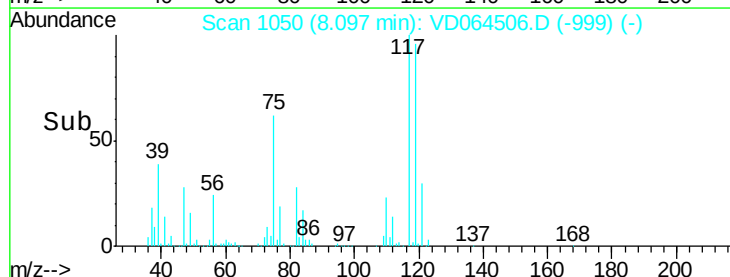


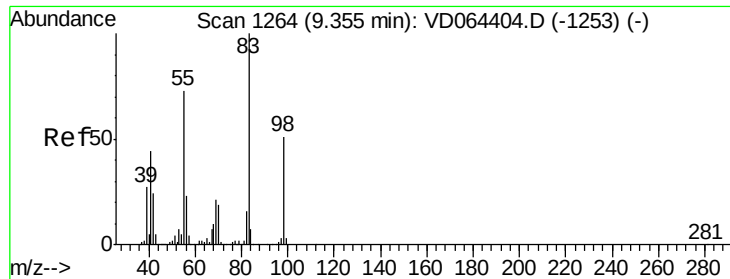
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

Time-->

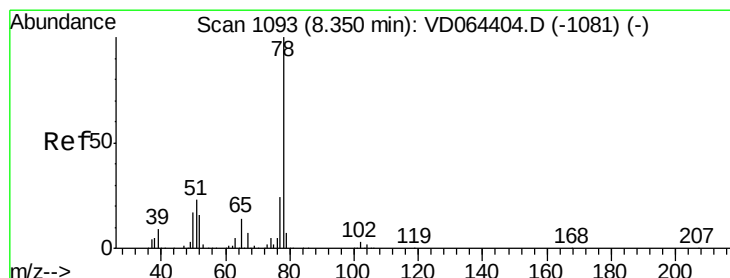
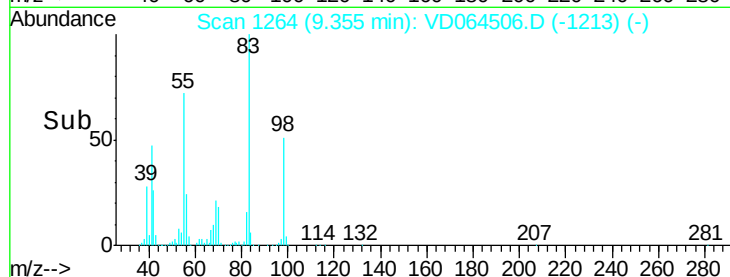
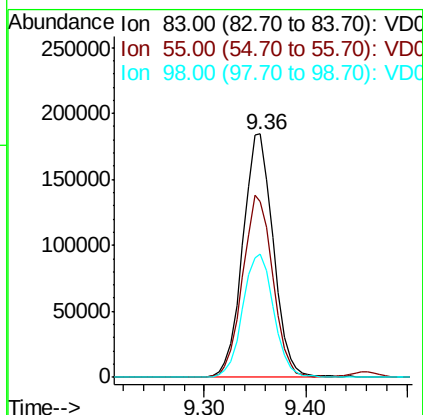
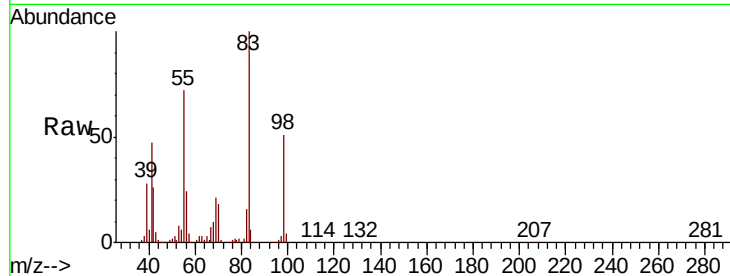




#39
Methylcyclohexane
Concen: 53.855 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

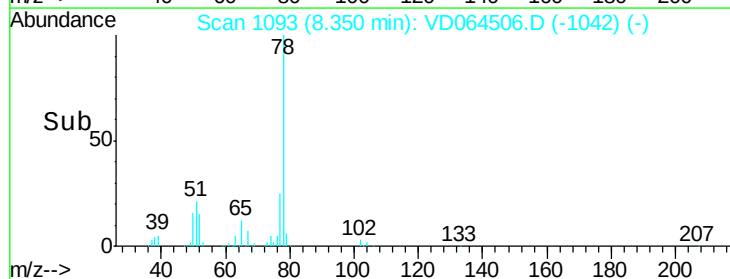
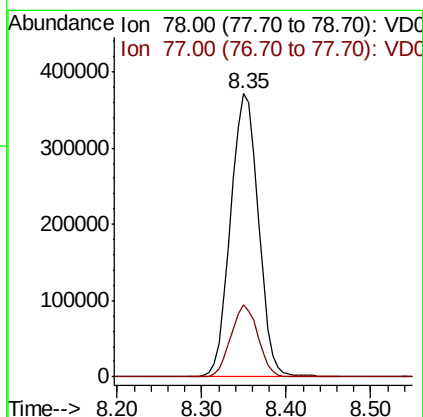
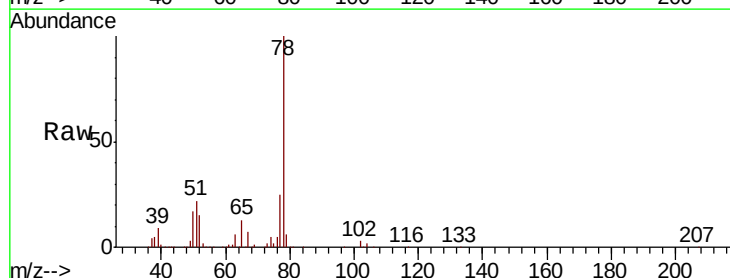
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

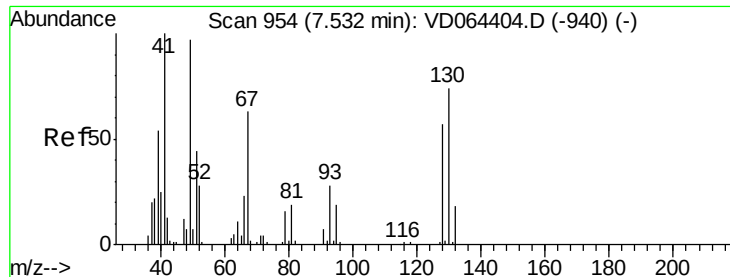
Tgt Ion: 83 Resp: 385340
Ion Ratio Lower Upper
83 100
55 72.0 58.6 87.8
98 50.9 40.9 61.3



#40
Benzene
Concen: 52.758 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion: 78 Resp: 845211
Ion Ratio Lower Upper
78 100
77 25.4 19.6 29.4

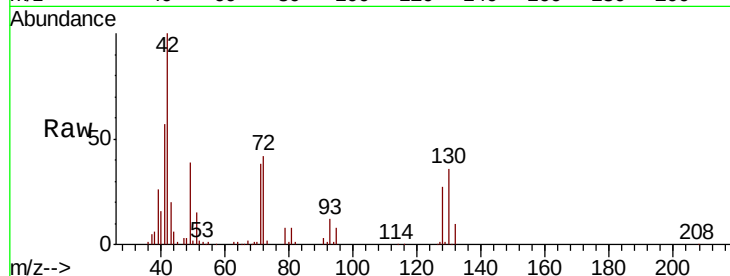




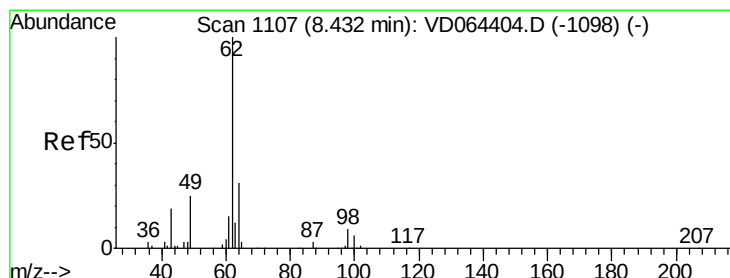
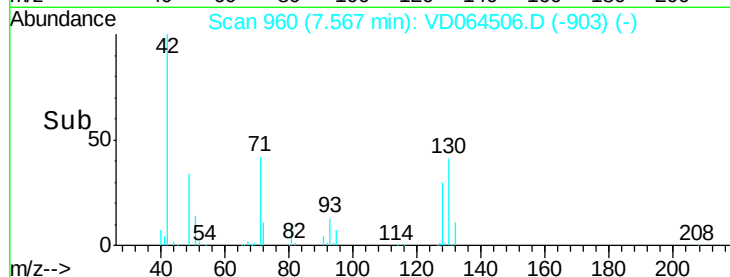
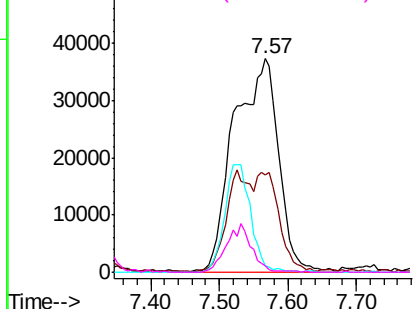
#41
Methacrylonitrile
Concen: 119.837 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 168206
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 50.9 76.3#
52 0.0 22.5 33.7#

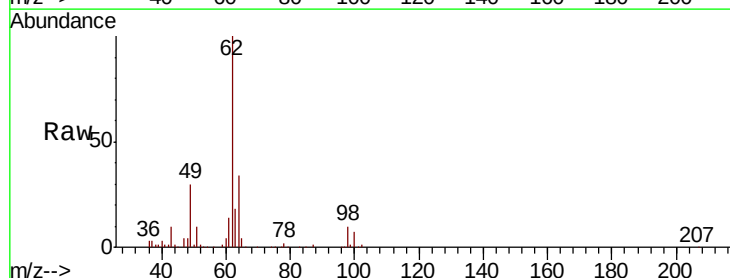


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

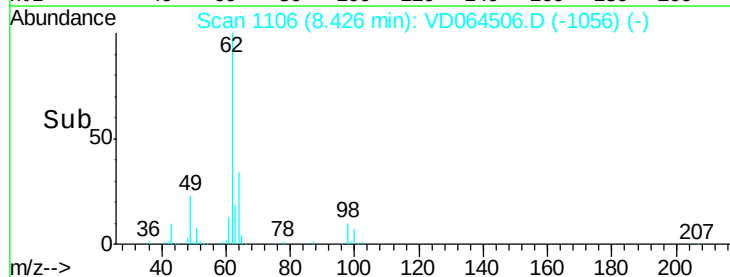
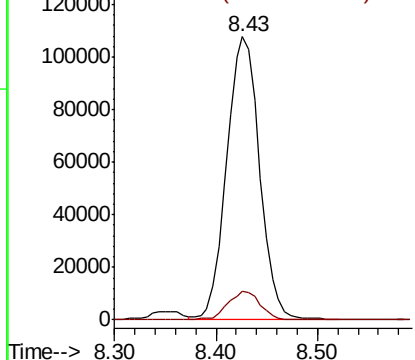


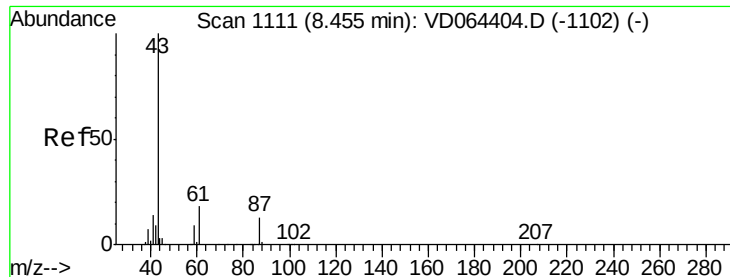
#42
1,2-Dichloroethane
Concen: 51.952 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion: 62 Resp: 242719
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.067 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

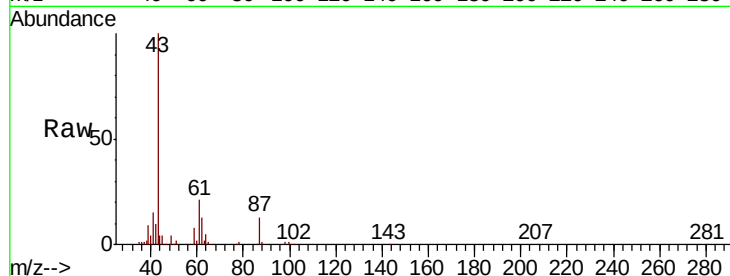
Tgt Ion: 43 Resp: 240941

Ion Ratio Lower Upper

43 100

61 29.9 24.0 36.0

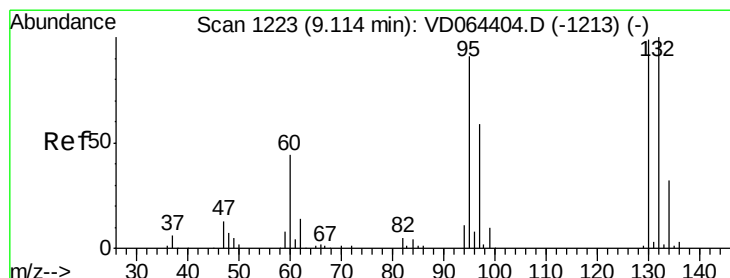
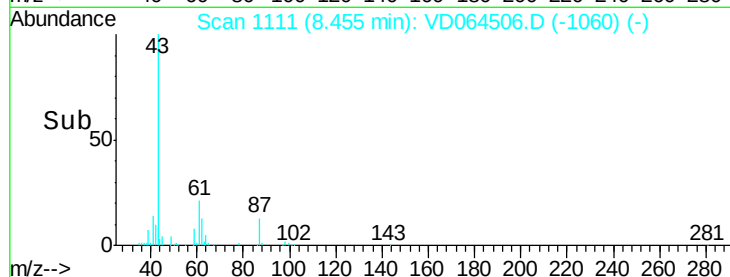
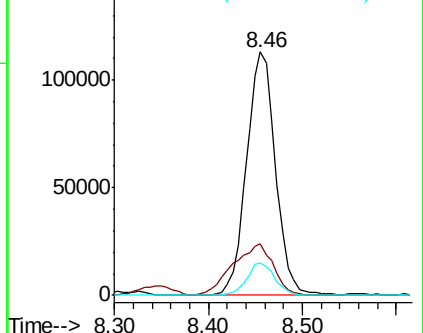
87 12.9 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.120 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064506.D

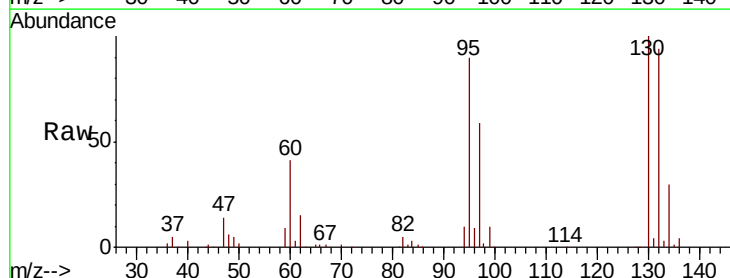
Acq: 13 Dec 2019 14:42

Tgt Ion: 130 Resp: 256345

Ion Ratio Lower Upper

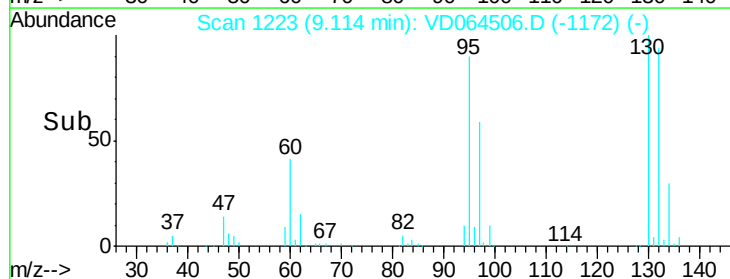
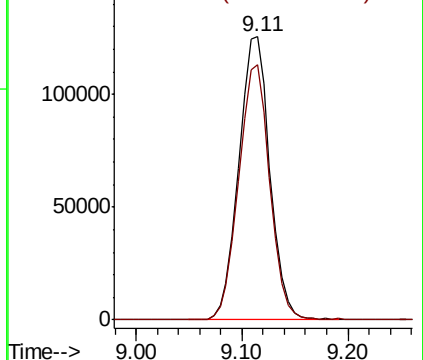
130 100

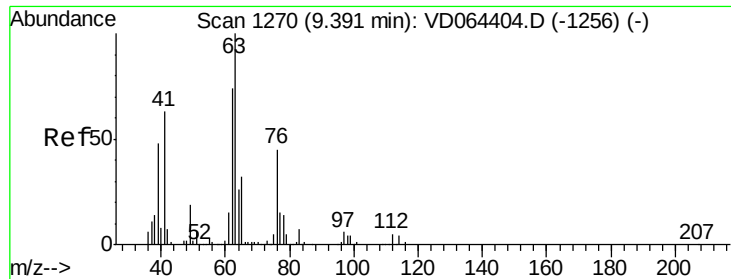
95 90.2 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.884 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

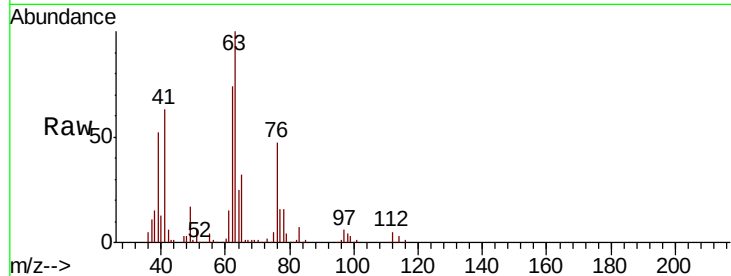
VSTDCCC050

Tgt Ion: 63 Resp: 202621

Ion Ratio Lower Upper

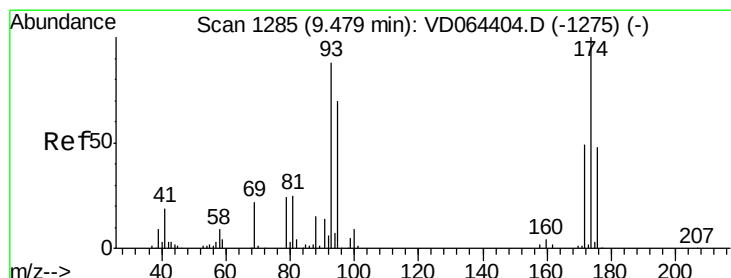
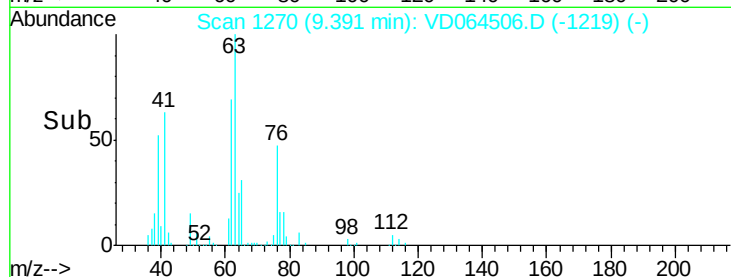
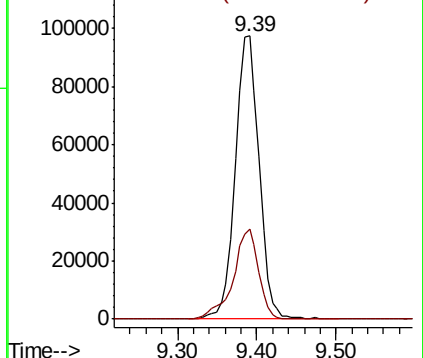
63 100

65 32.0 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.303 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

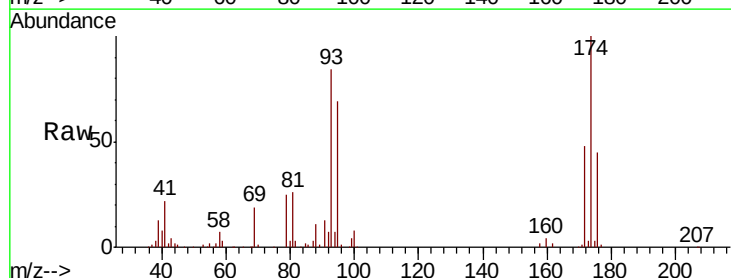
Tgt Ion: 93 Resp: 110941

Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

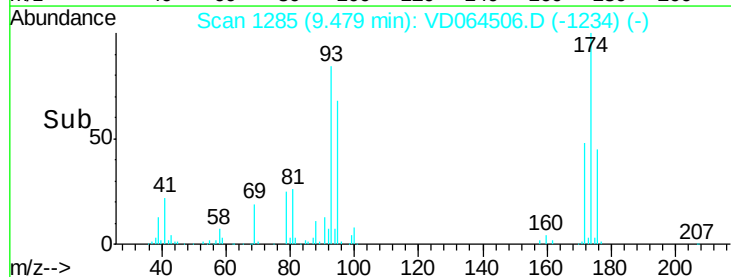
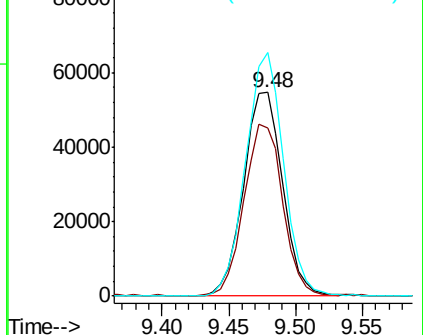
174 116.1 92.3 138.5

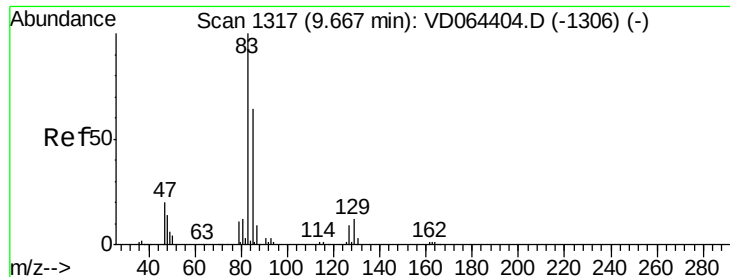


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.020 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

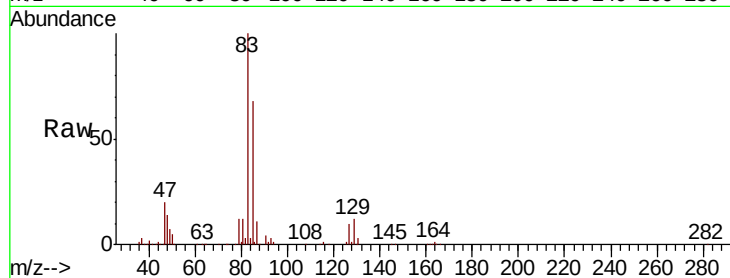
Tgt Ion: 83 Resp: 300155

Ion Ratio Lower Upper

83 100

85 67.5 51.1 76.7

127 9.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

9.66

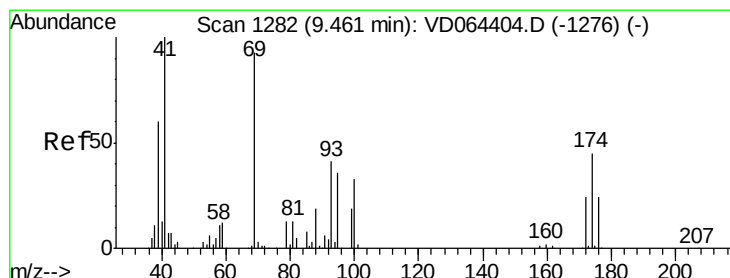
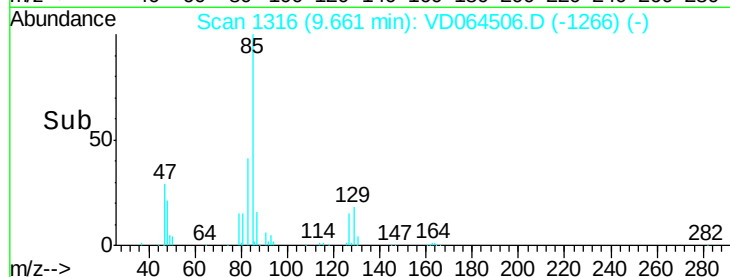
150000

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 49.320 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

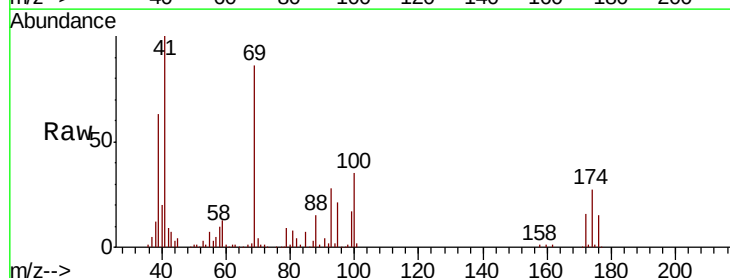
Tgt Ion: 41 Resp: 108606

Ion Ratio Lower Upper

41 100

69 88.1 72.0 108.0

39 63.0 55.2 82.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

80000

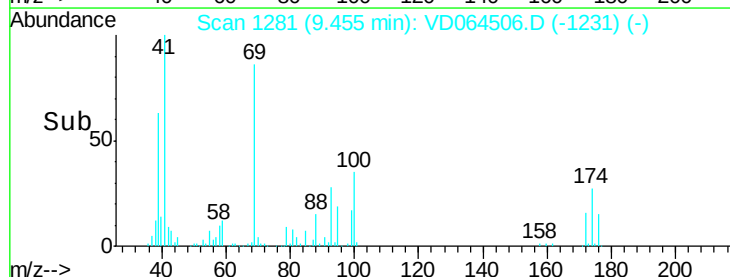
60000

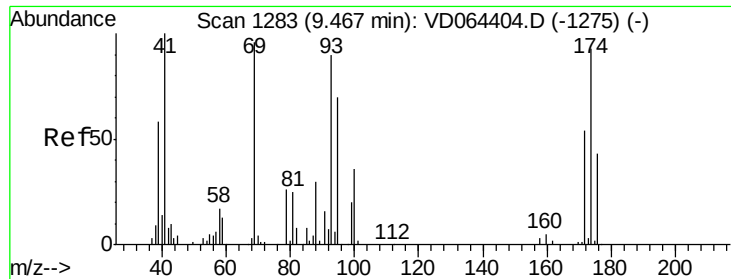
40000

20000

0

Time-->

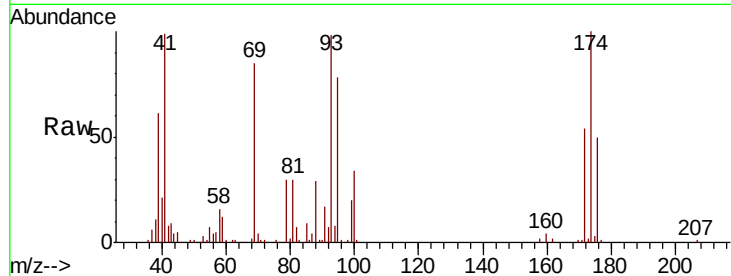




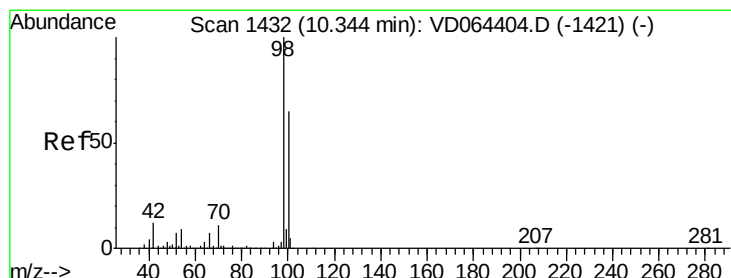
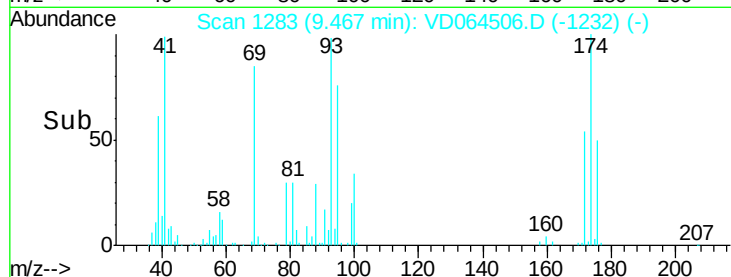
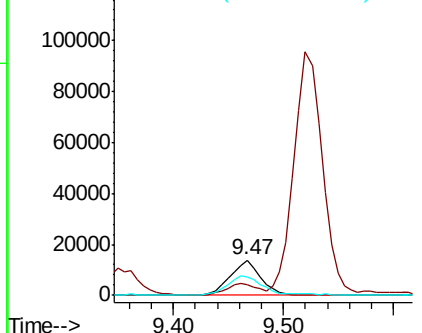
#49
 1,4-Dioxane
 Concen: 1001.454 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 26742
 Ion Ratio Lower Upper
 88 100
 43 31.6 26.7 40.1
 58 63.1 52.3 78.5

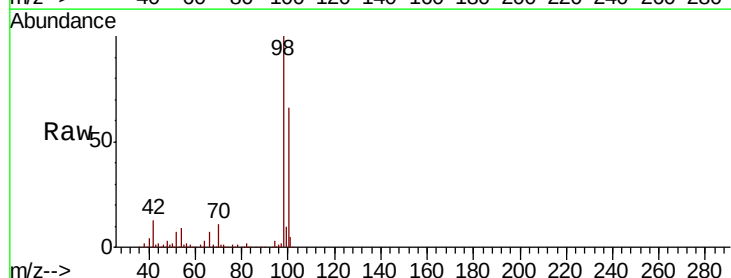


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

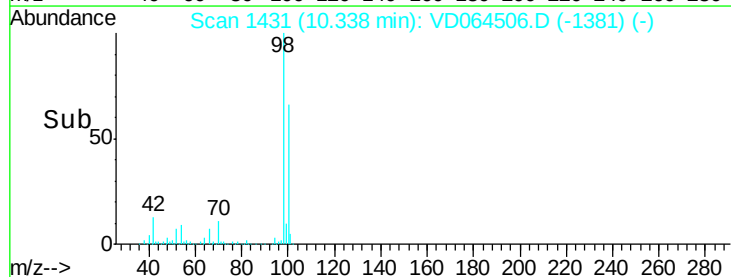
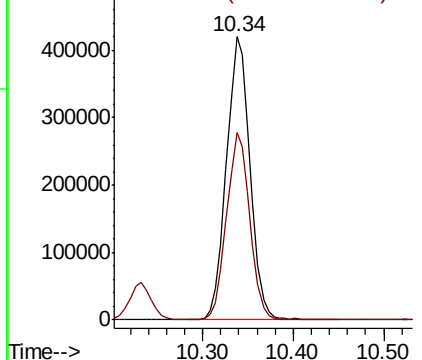


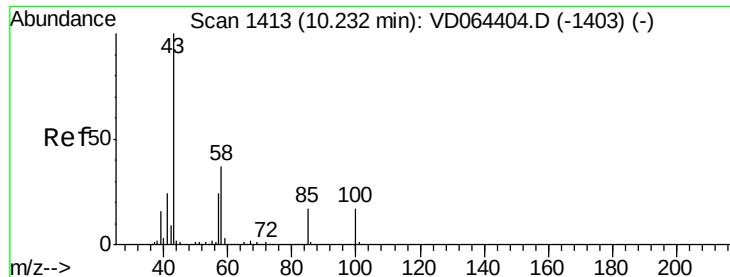
#50
 Toluene-d8
 Concen: 52.508 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion: 98 Resp: 759960
 Ion Ratio Lower Upper
 98 100
 100 64.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC

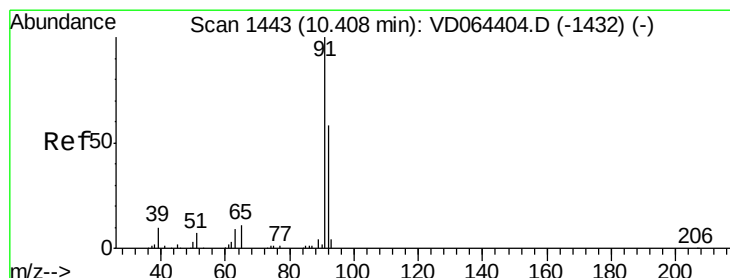
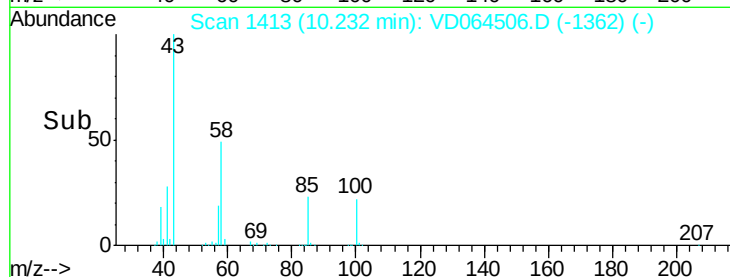
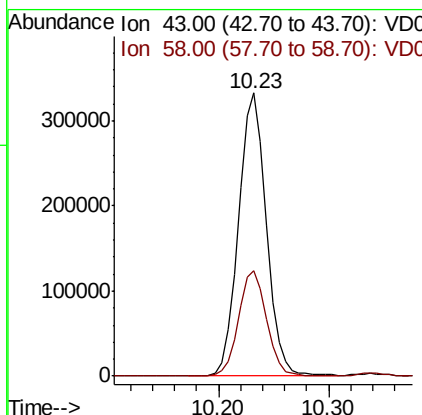
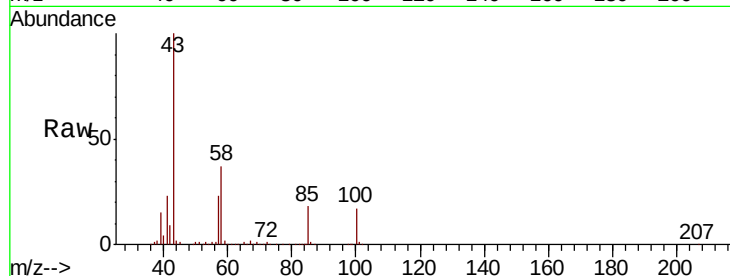




#51
 4-Methyl-2-Pentanone
 Concen: 247.704 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

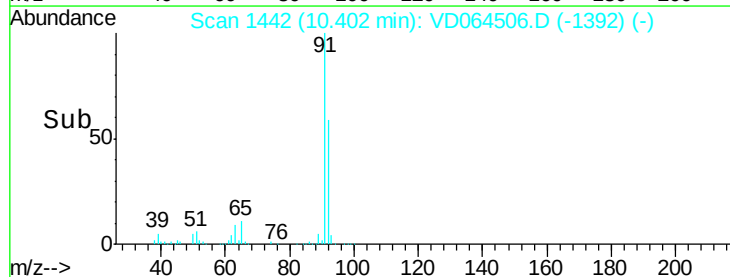
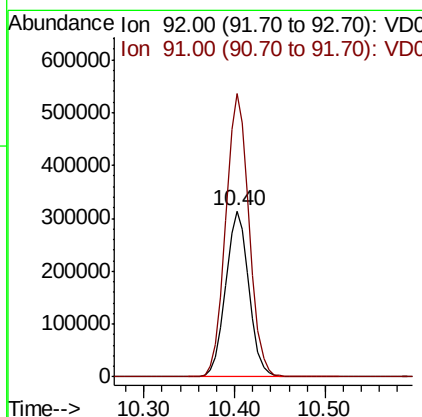
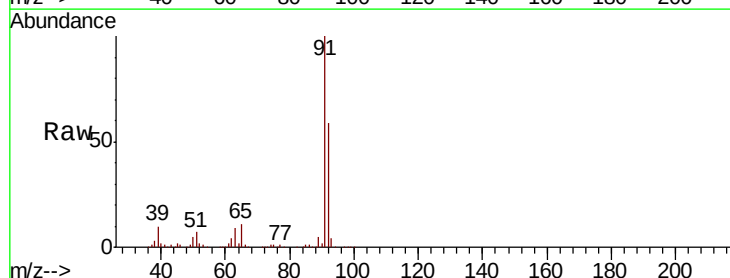
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

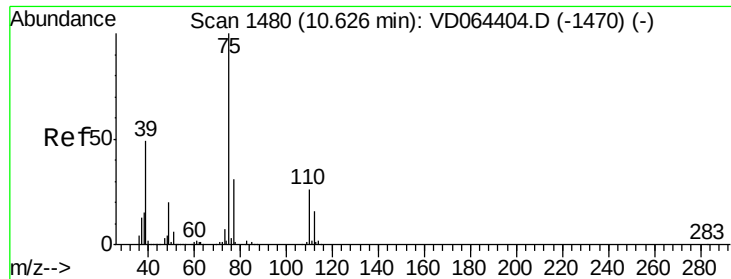
Tgt Ion: 43 Resp: 589808
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.6 46.0



#52
 Toluene
 Concen: 53.348 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion: 92 Resp: 556990
 Ion Ratio Lower Upper
 92 100
 91 172.0 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 52.858 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

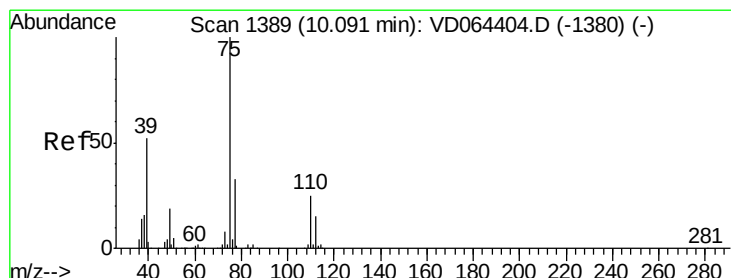
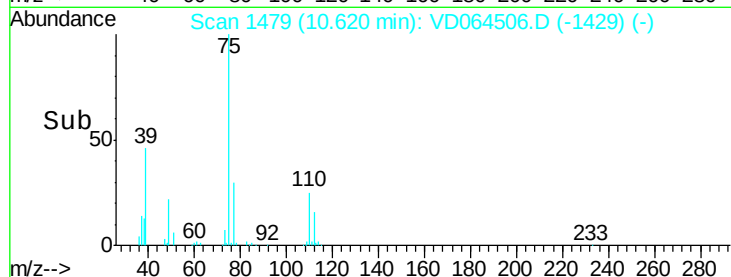
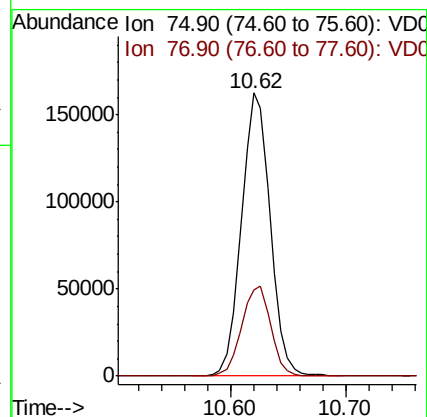
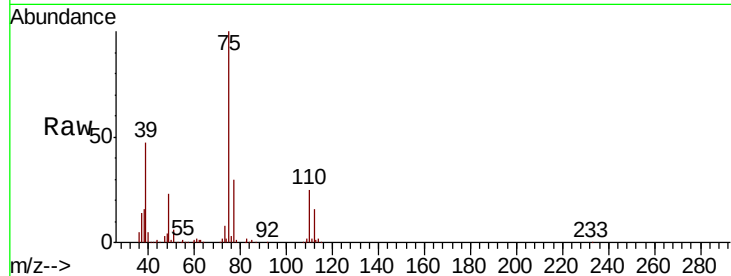
VSTDCCC050

Tgt Ion: 75 Resp: 279906

Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 53.676 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

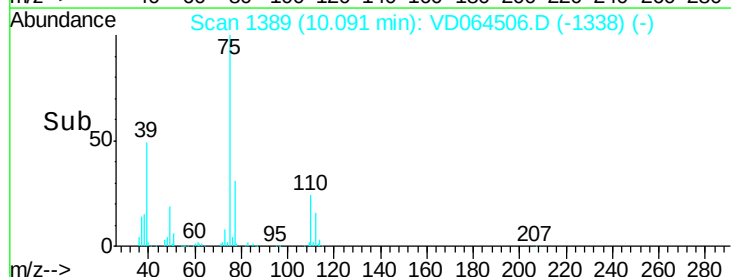
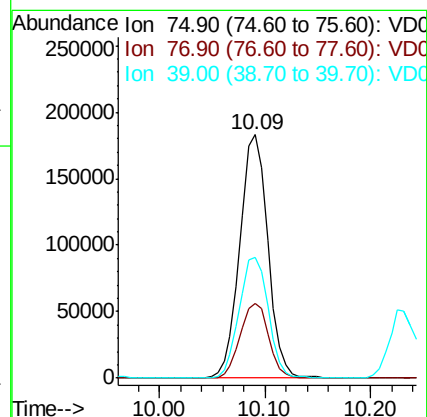
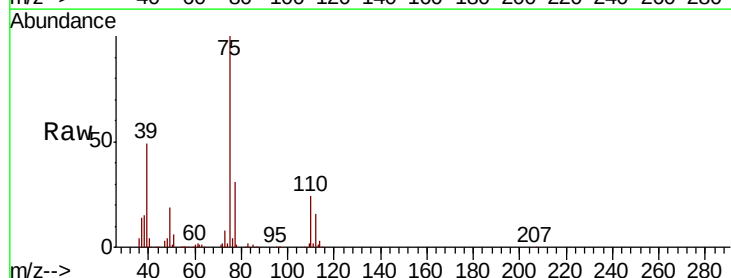
Tgt Ion: 75 Resp: 337663

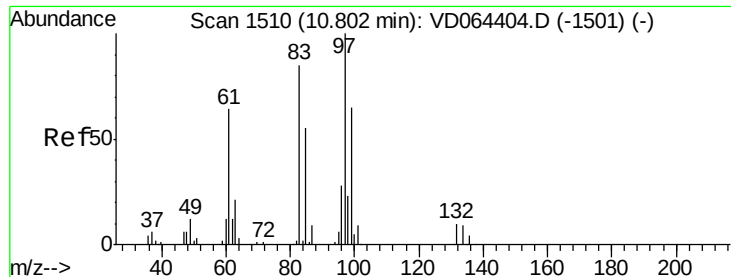
Ion Ratio Lower Upper

75 100

77 30.5 26.1 39.1

39 49.3 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 51.384 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 152148

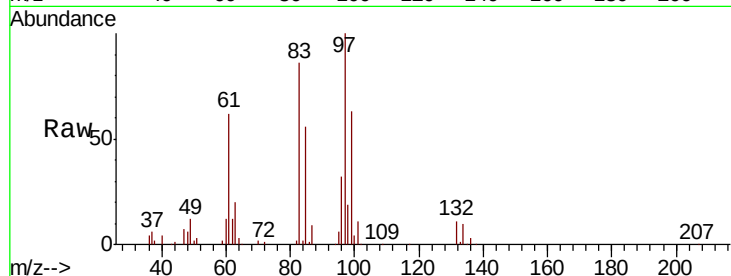
Ion Ratio Lower Upper

97 100

83 85.5 67.8 101.8

85 56.0 43.7 65.5

99 62.5 51.7 77.5

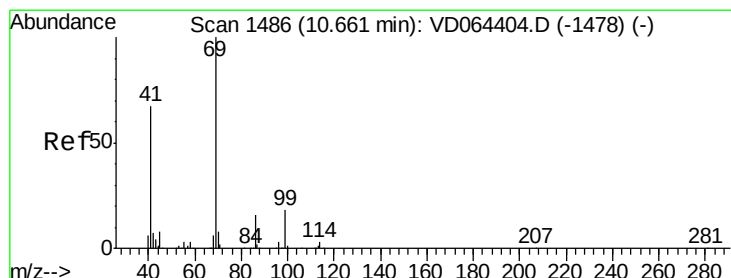
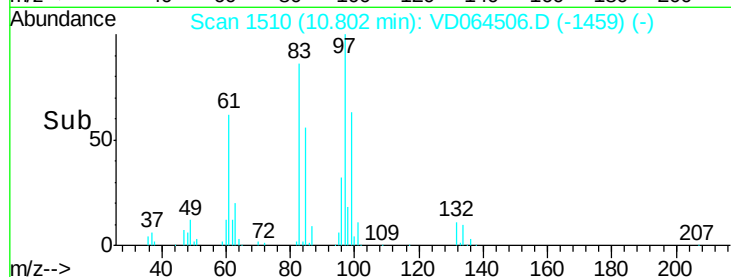
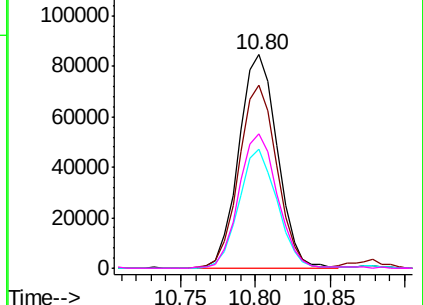


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.897 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

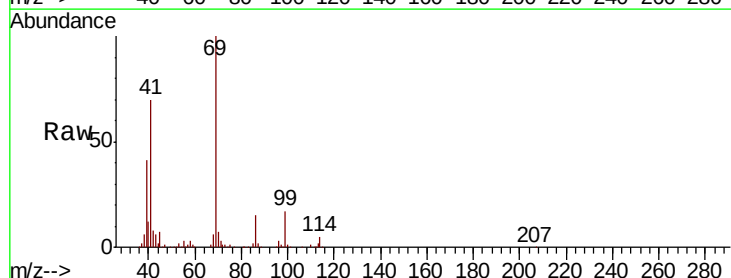
Tgt Ion: 69 Resp: 188440

Ion Ratio Lower Upper

69 100

41 70.5 55.0 82.4

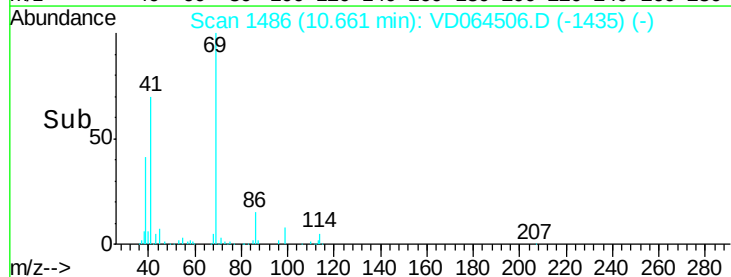
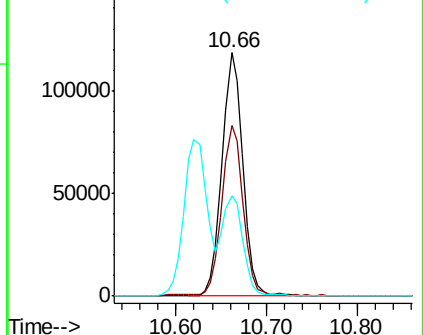
39 40.9 33.0 49.6

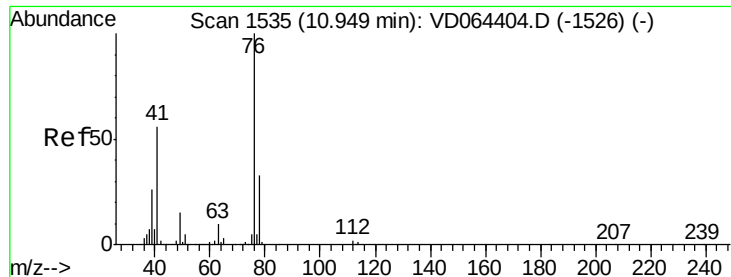


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

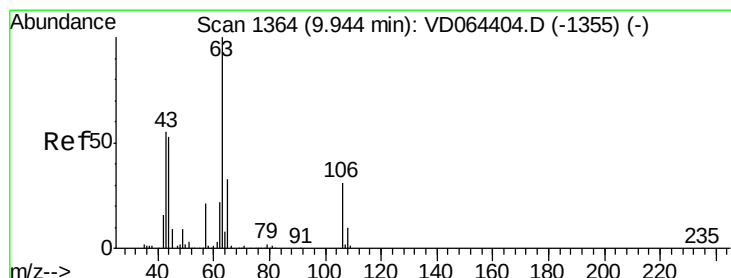
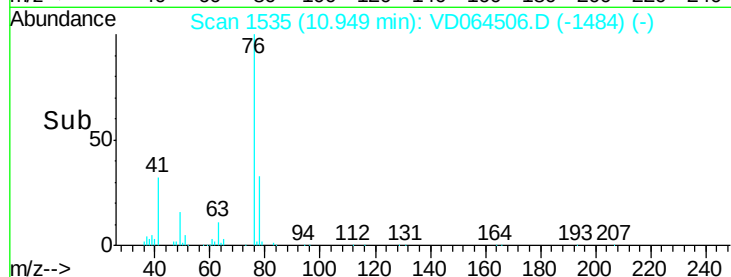
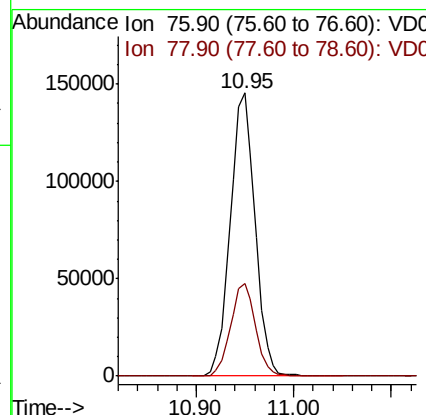
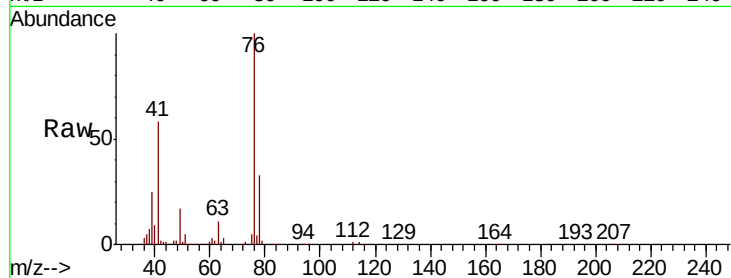




#57
 1,3-Dichloropropane
 Concen: 50.872 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

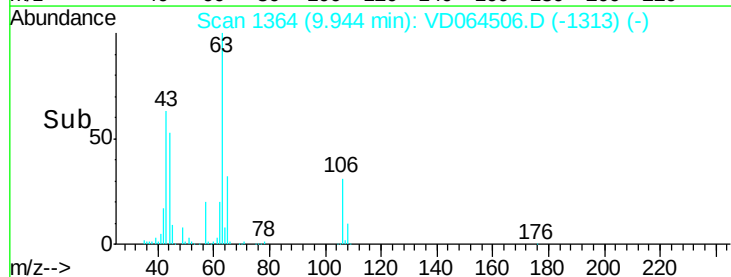
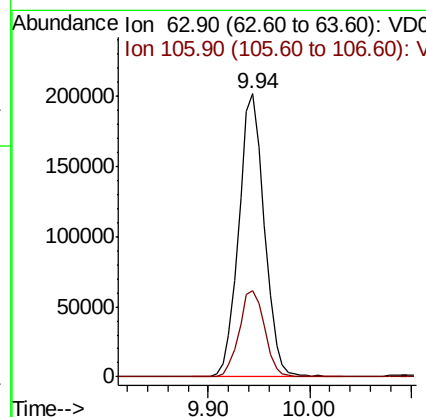
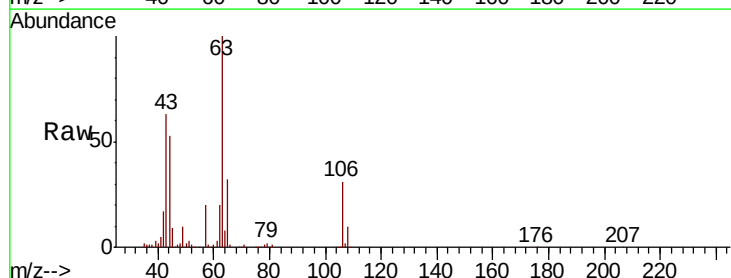
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

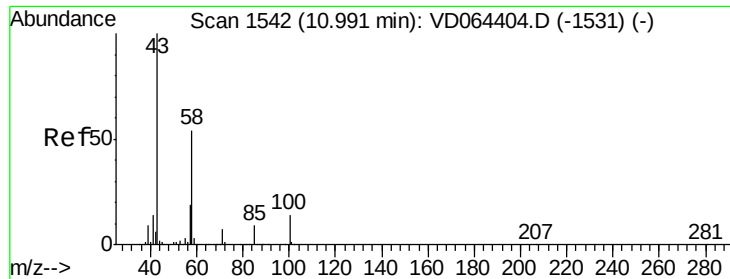
Tgt Ion: 76 Resp: 256417
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.860 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion: 63 Resp: 353581
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.2 36.4

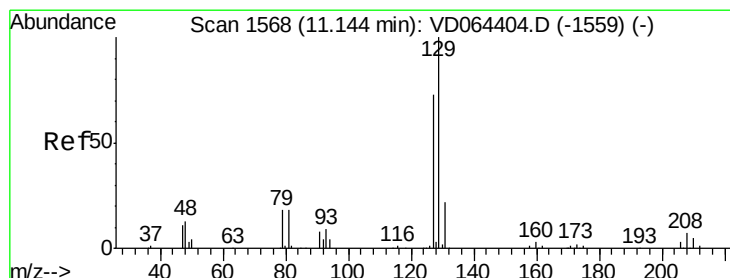
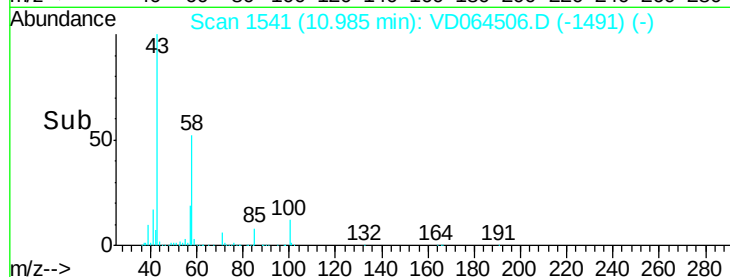
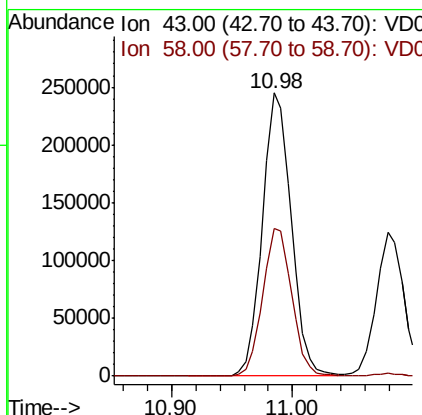
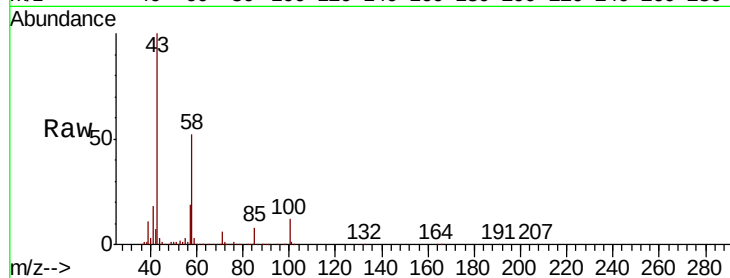




#59
2-Hexanone
Concen: 245.298 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

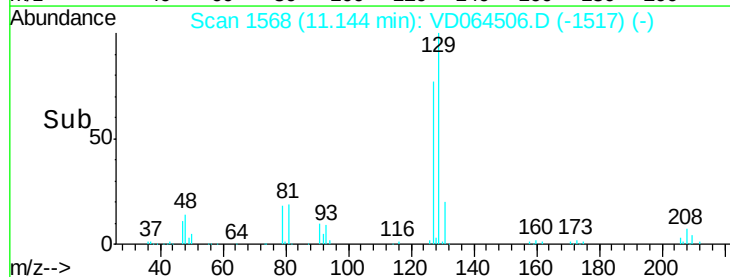
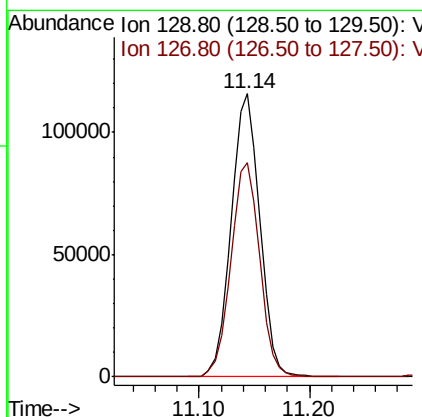
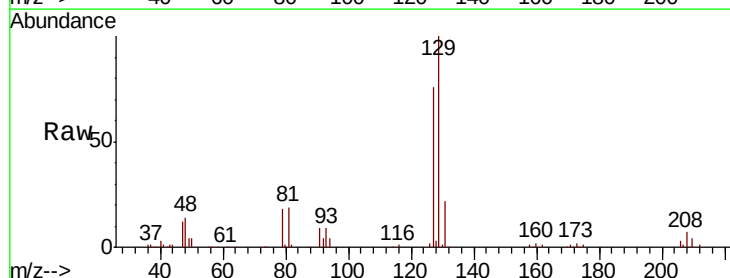
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

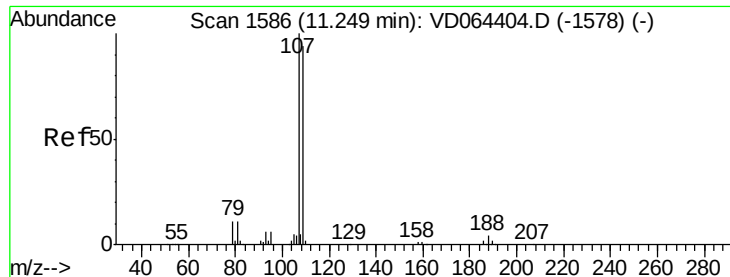
Tgt Ion: 43 Resp: 405285
Ion Ratio Lower Upper
43 100
58 52.7 26.3 78.8



#60
Dibromochloromethane
Concen: 52.642 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion: 129 Resp: 211340
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3

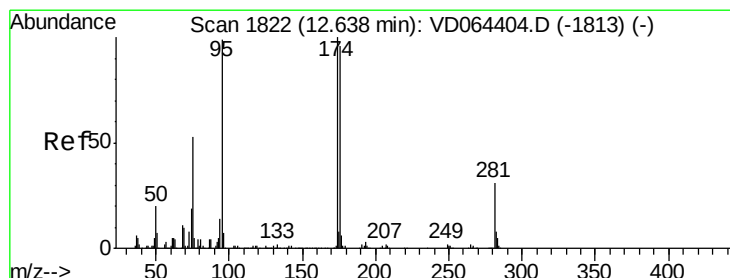
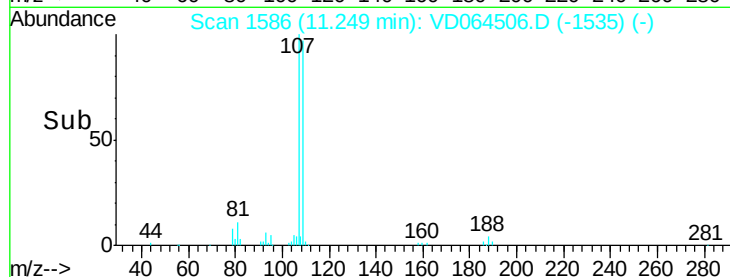
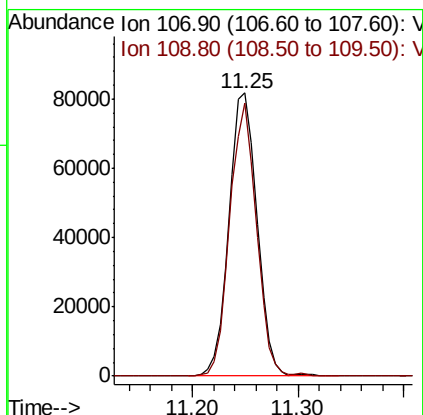
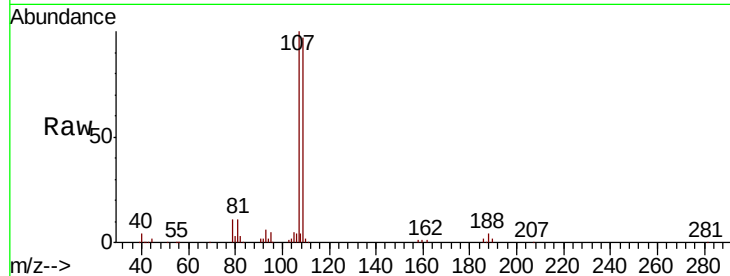




#61
 1,2-Dibromoethane
 Concen: 50.805 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

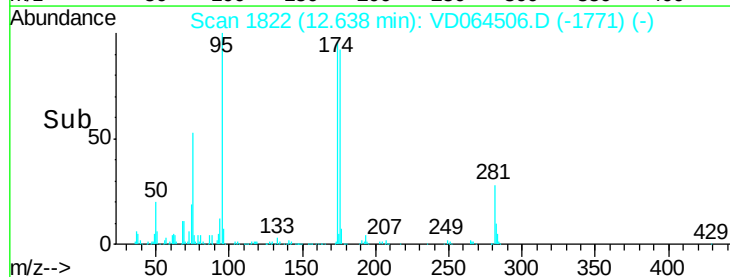
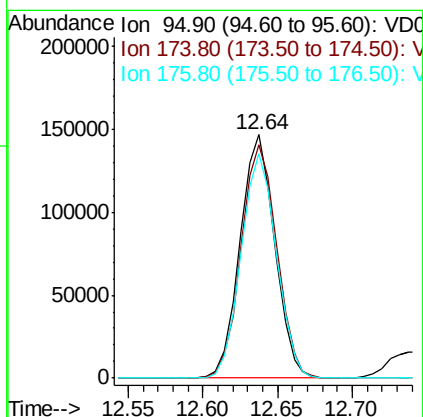
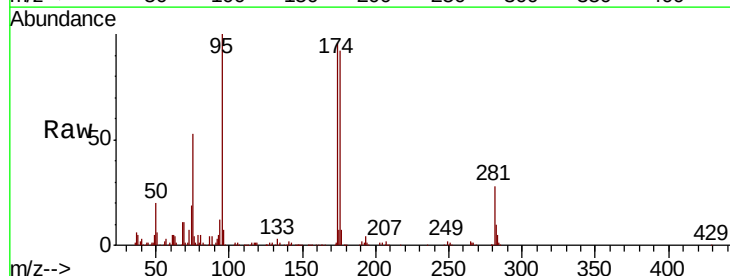
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

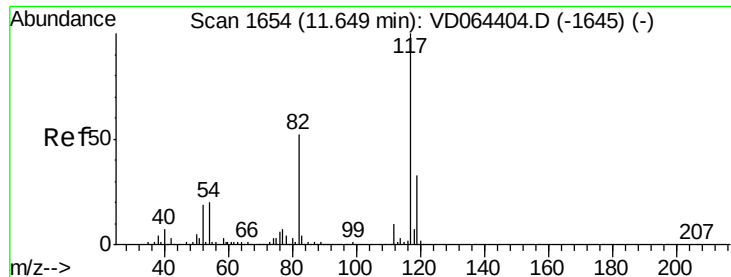
Tgt Ion: 107 Resp: 150203
 Ion Ratio Lower Upper
 107 100
 109 91.2 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 50.820 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion: 95 Resp: 236380
 Ion Ratio Lower Upper
 95 100
 174 98.6 0.0 197.2
 176 94.1 0.0 189.6

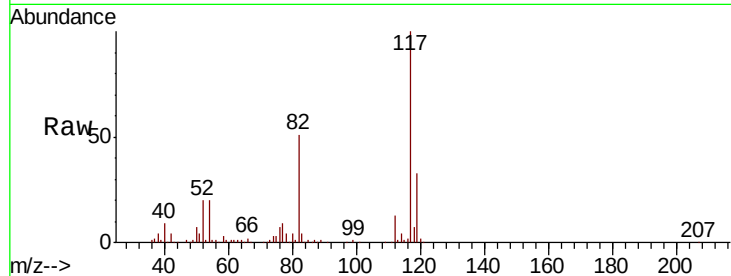




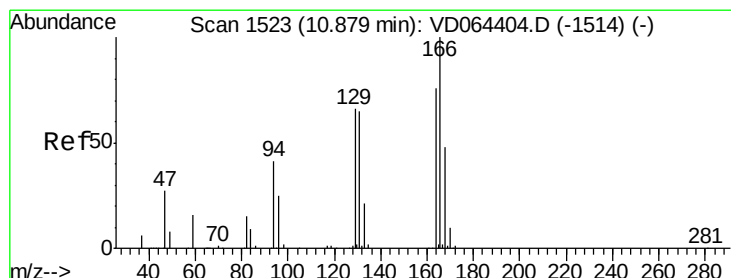
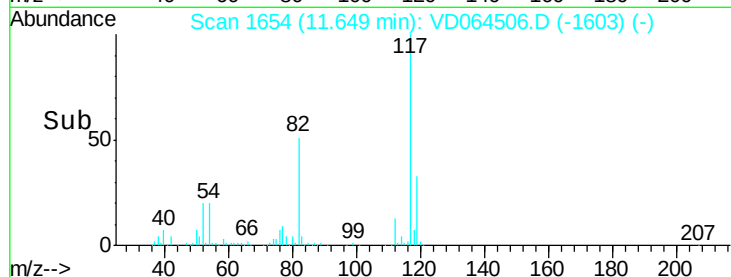
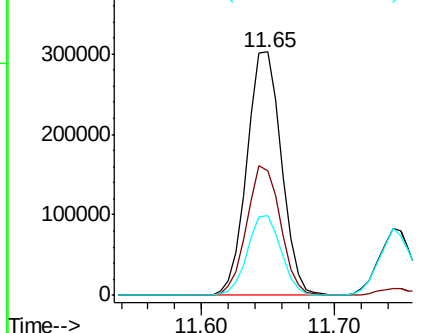
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 540502
Ion Ratio Lower Upper
117 100
82 51.0 41.4 62.2
119 32.6 26.2 39.2

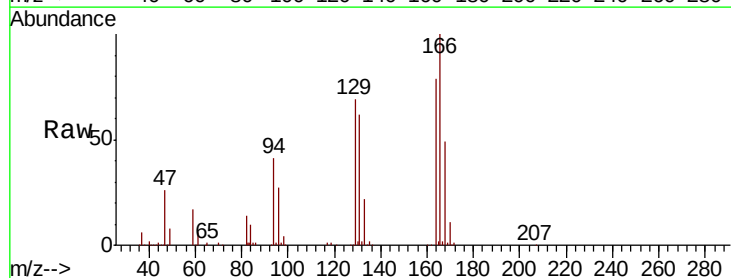


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

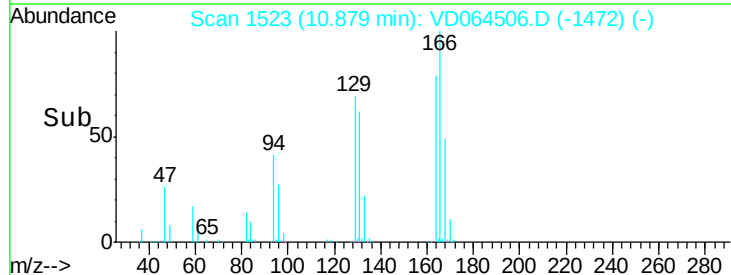
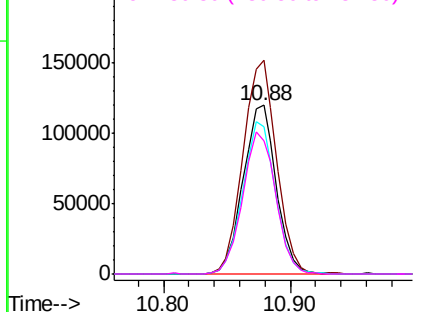


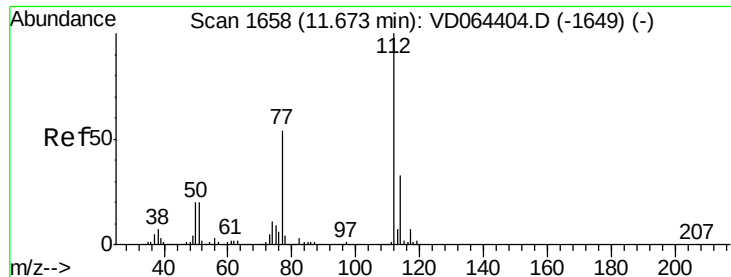
#64
Tetrachloroethene
Concen: 52.700 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion:164 Resp: 217216
Ion Ratio Lower Upper
164 100
166 126.8 104.8 157.2
129 87.4 68.7 103.1
131 79.0 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

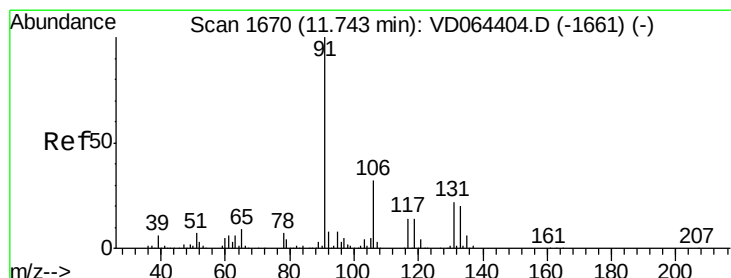
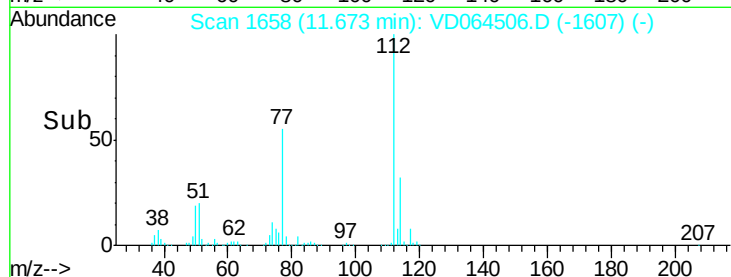
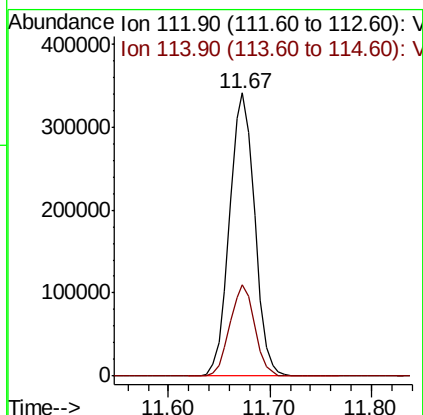
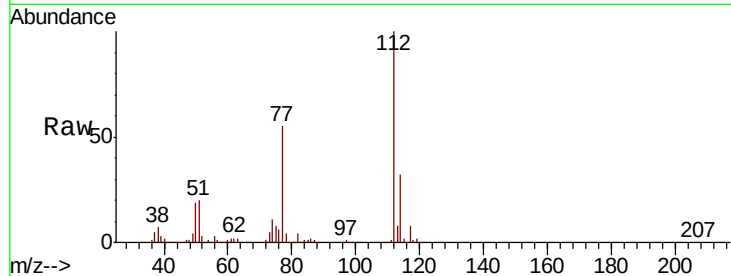




#65
Chlorobenzene
Concen: 51.959 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

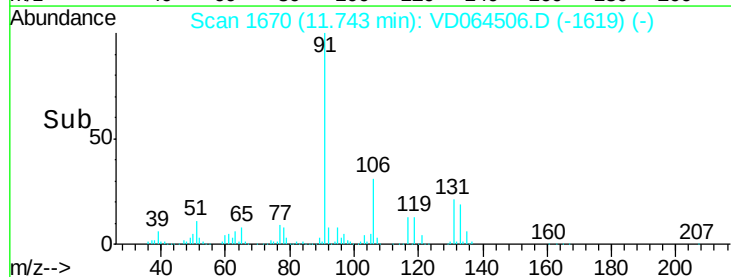
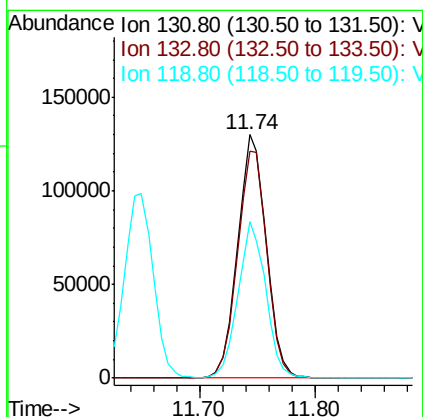
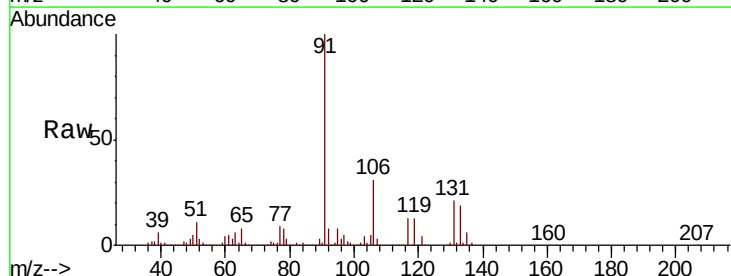
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

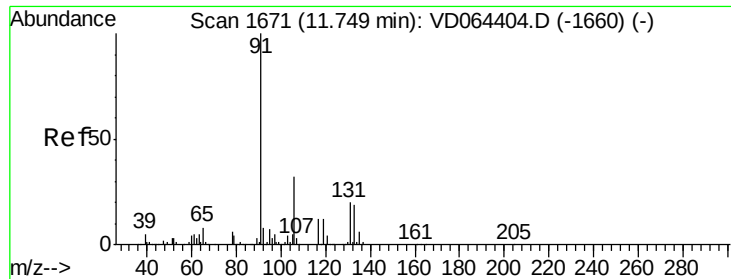
Tgt Ion:112 Resp: 585738
Ion Ratio Lower Upper
112 100
114 32.5 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.394 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion:131 Resp: 222821
Ion Ratio Lower Upper
131 100
133 96.0 48.3 144.9
119 62.6 31.9 95.9

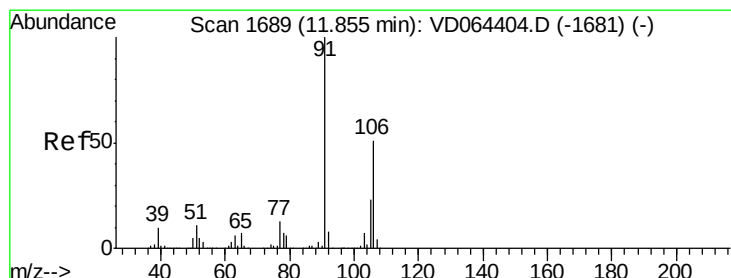
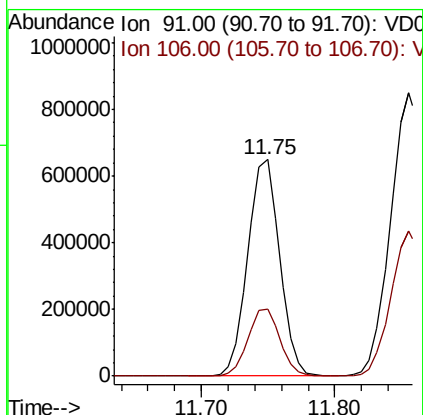
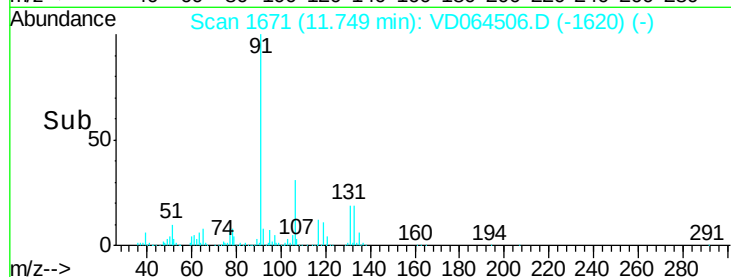
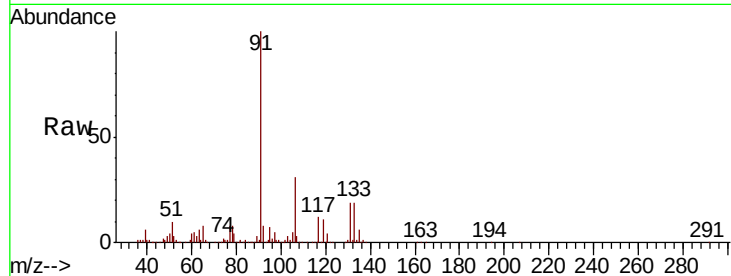




#67
Ethyl Benzene
Concen: 53.475 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

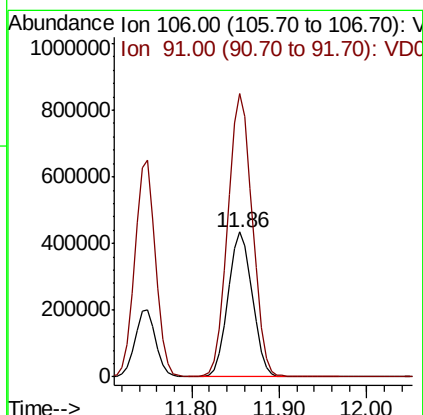
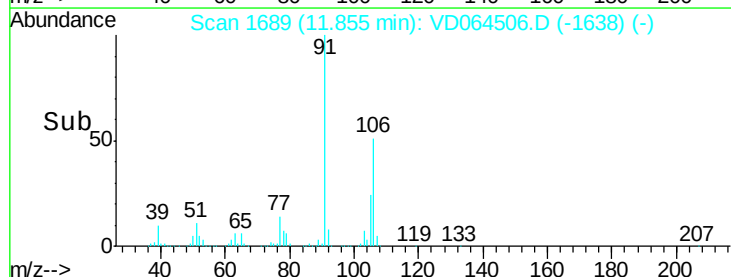
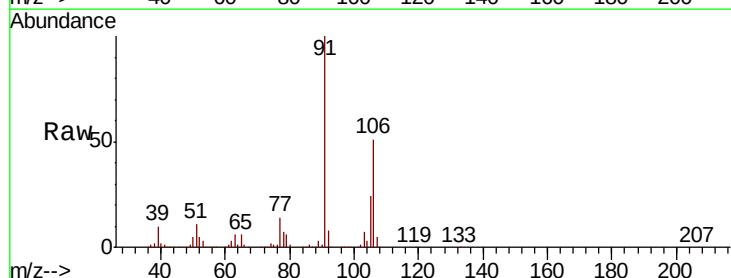
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

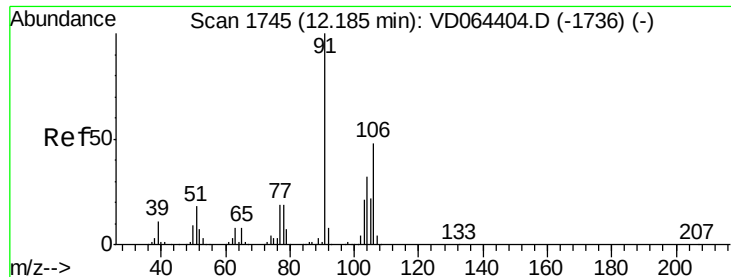
Tgt Ion: 91 Resp: 1072568
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.8



#68
m/p-Xylenes
Concen: 107.305 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion: 106 Resp: 820634
Ion Ratio Lower Upper
106 100
91 198.0 157.4 236.2

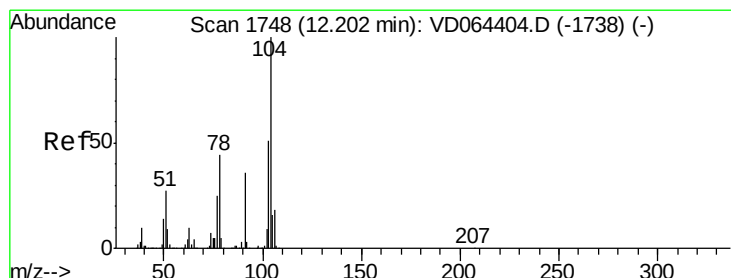
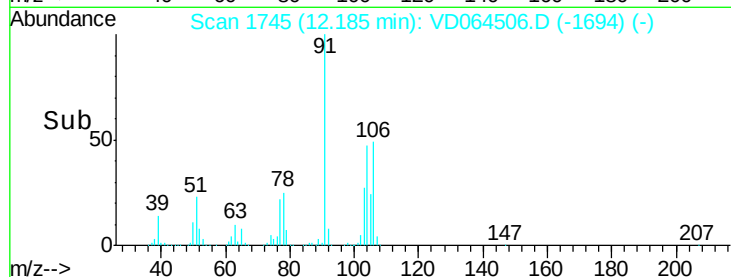
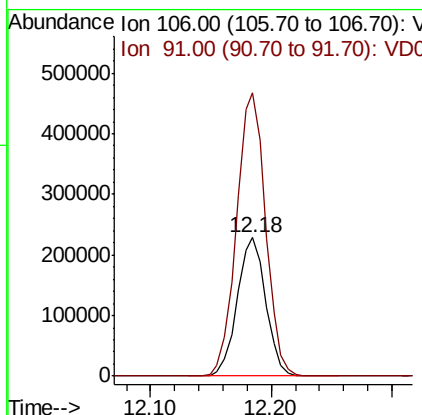
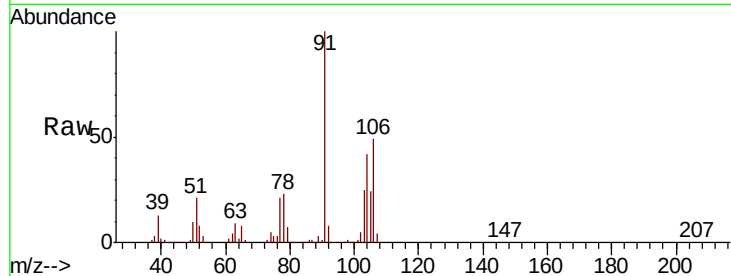




#69
o-Xylene
Concen: 53.381 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

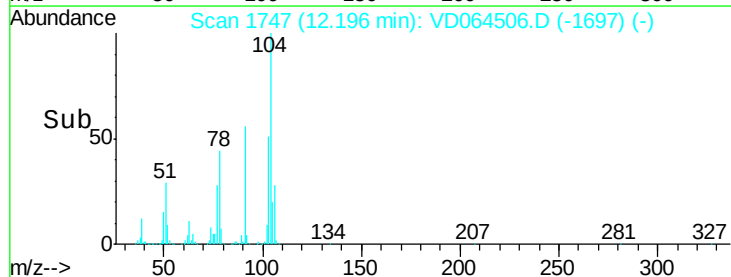
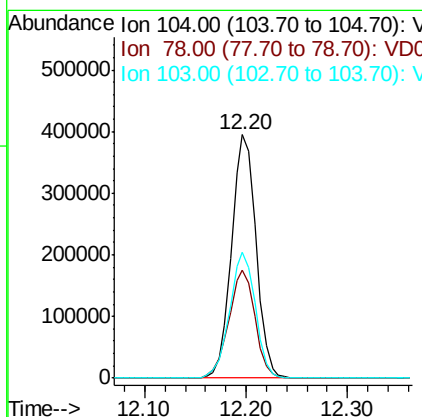
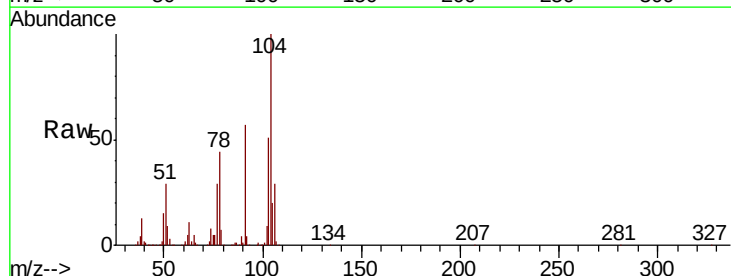
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

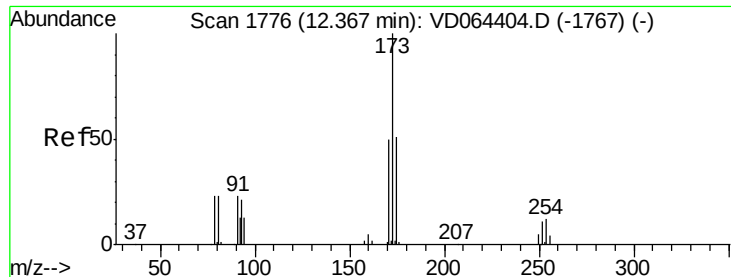
Tgt Ion:106 Resp: 377032
Ion Ratio Lower Upper
106 100
91 207.5 103.8 311.4



#70
Styrene
Concen: 53.903 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion:104 Resp: 661605
Ion Ratio Lower Upper
104 100
78 47.3 38.8 58.2
103 54.5 44.2 66.4





#71

Bromoform

Concen: 51.130 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

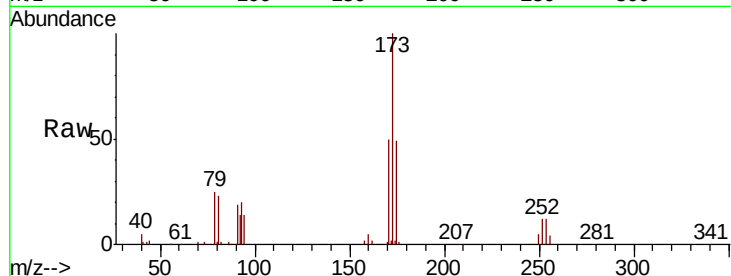
Tgt Ion:173 Resp: 127658

Ion Ratio Lower Upper

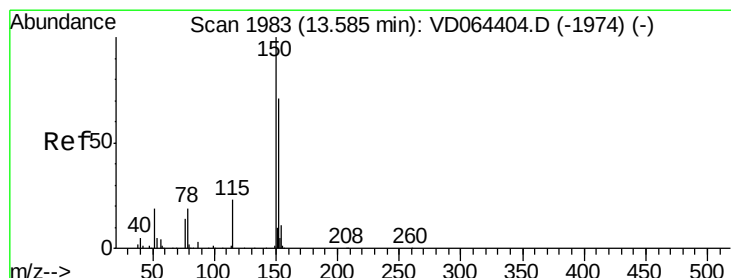
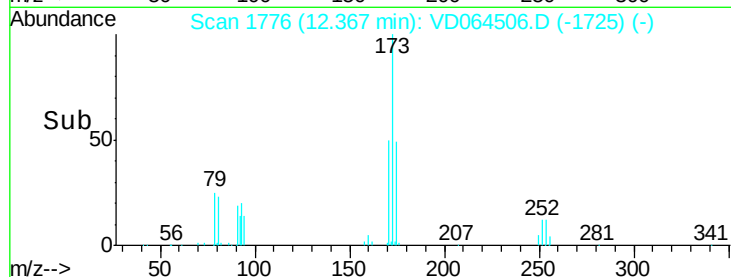
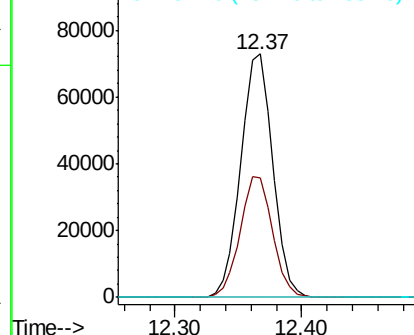
173 100

175 50.2 25.3 75.8

254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

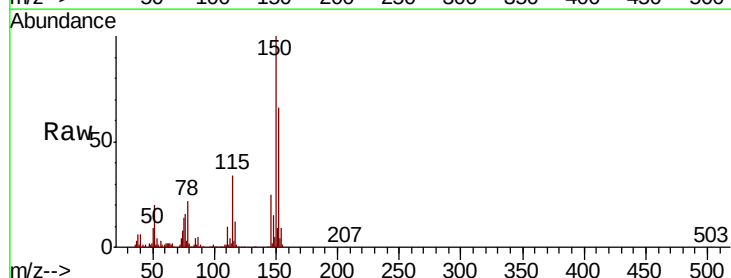
Tgt Ion:152 Resp: 274100

Ion Ratio Lower Upper

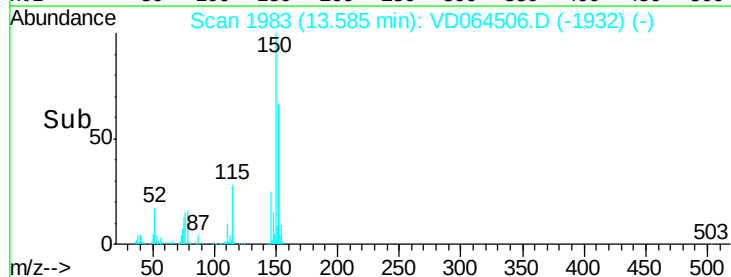
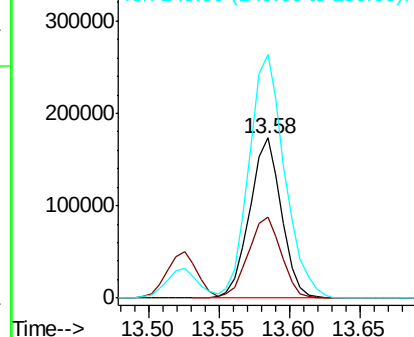
152 100

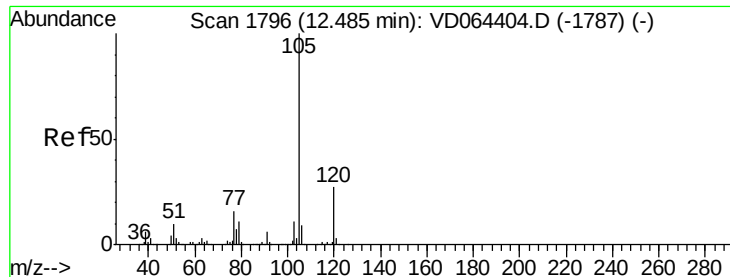
115 52.9 26.7 80.1

150 170.4 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.017 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

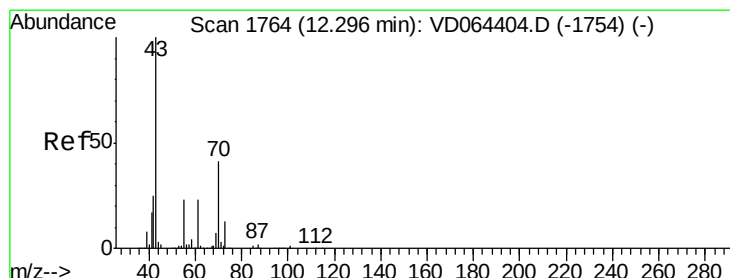
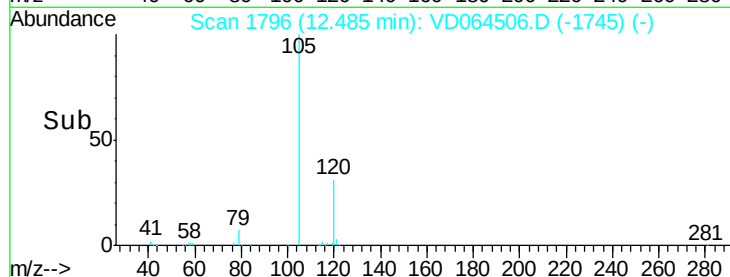
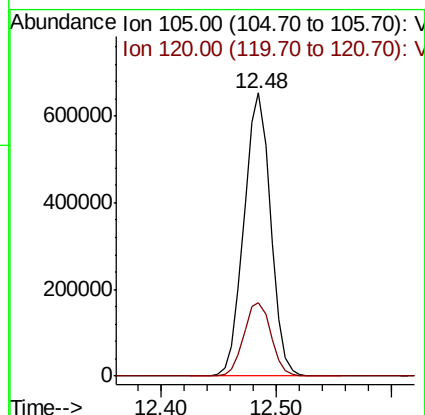
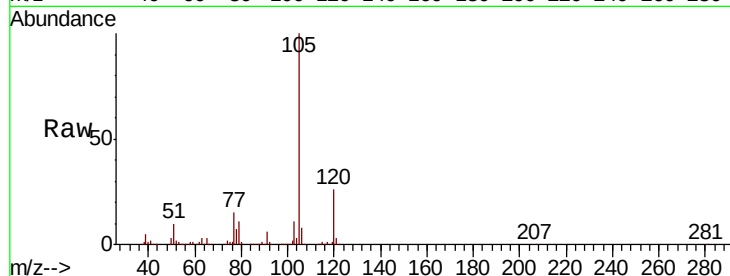
VSTDCCC050

Tgt Ion: 105 Resp: 1045162

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 47.740 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Tgt Ion: 43 Resp: 213599

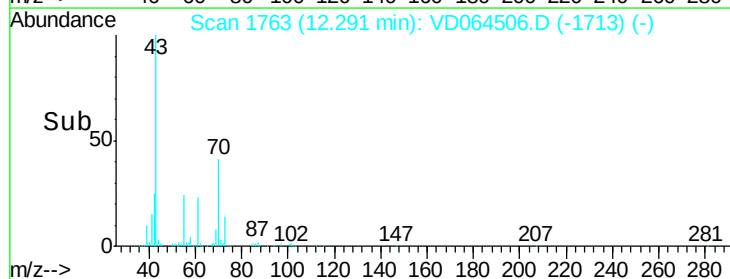
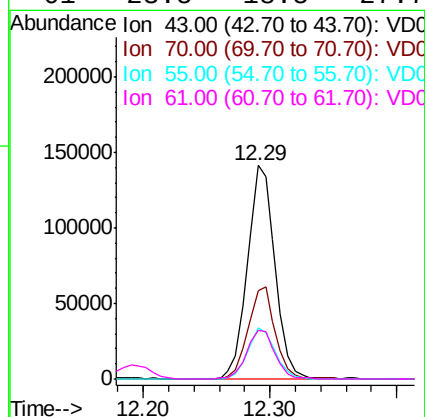
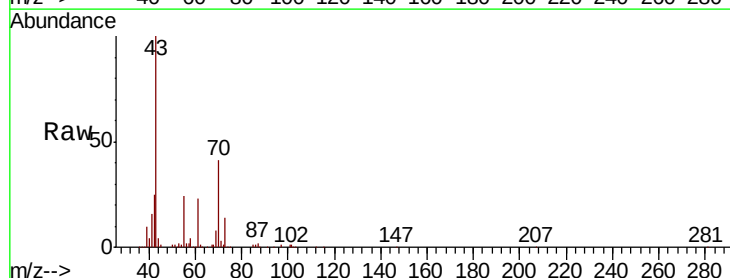
Ion Ratio Lower Upper

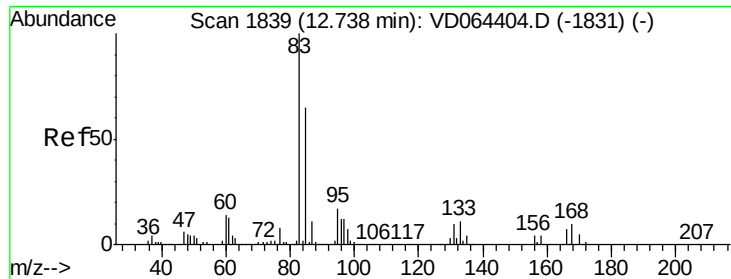
43 100

70 42.6 33.4 50.2

55 24.0 18.9 28.3

61 23.5 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.946 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

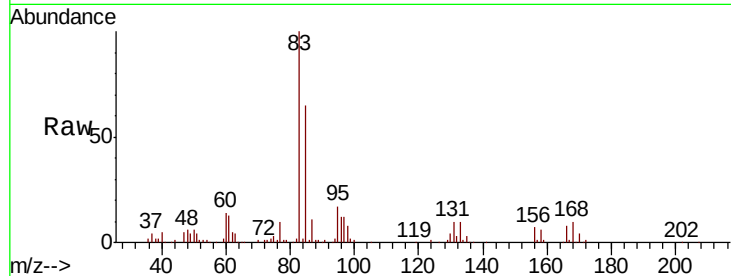
Tgt Ion: 83 Resp: 156306

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.0

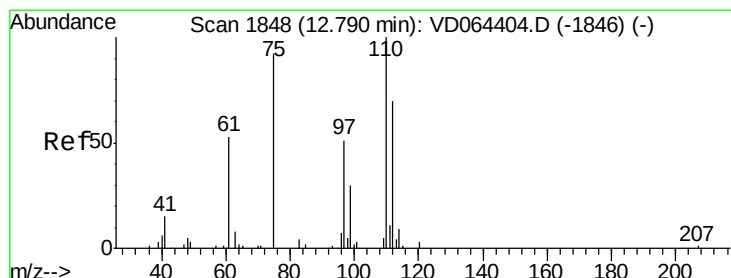
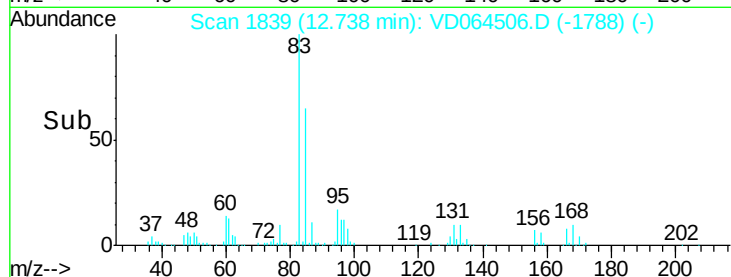
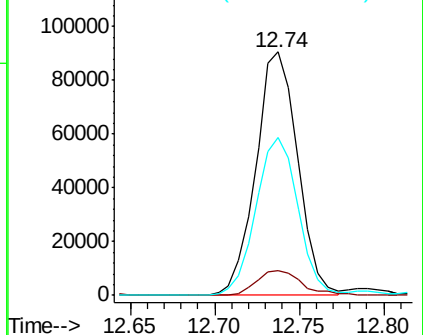
85 65.4 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 92.486 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064506.D

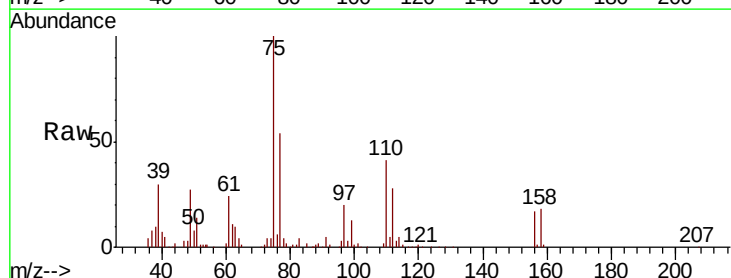
Acq: 13 Dec 2019 14:42

Tgt Ion: 75 Resp: 208474

Ion Ratio Lower Upper

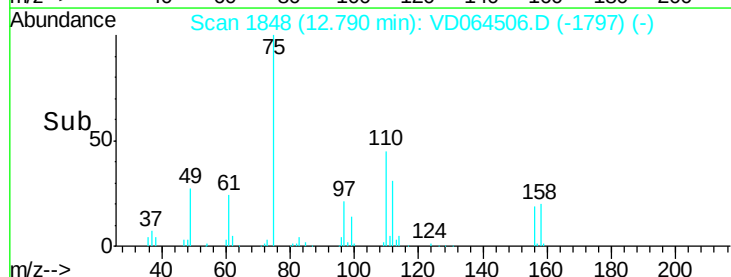
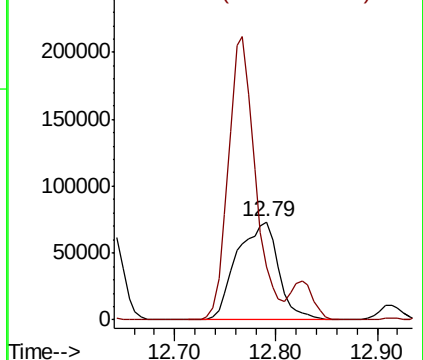
75 100

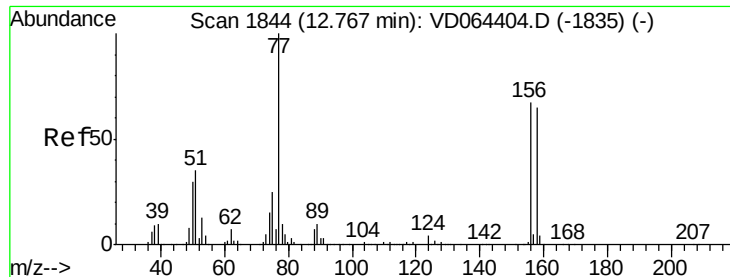
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.570 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

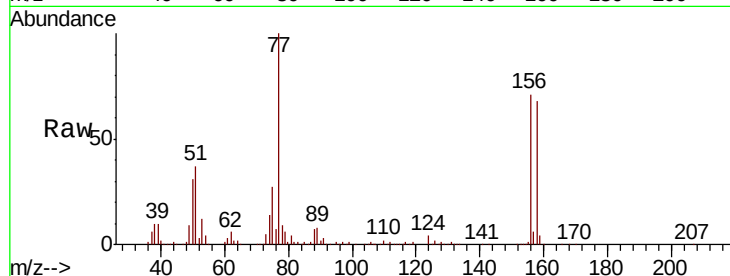
Tgt Ion:156 Resp: 246182

Ion Ratio Lower Upper

156 100

77 160.5 80.0 240.2

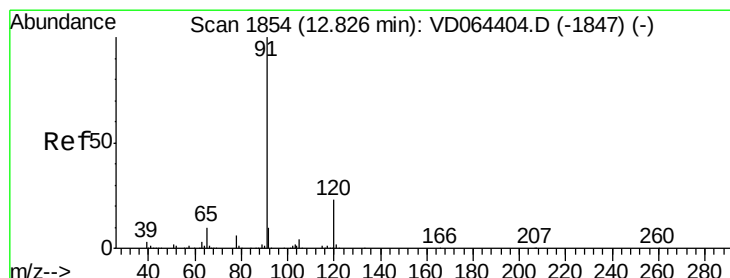
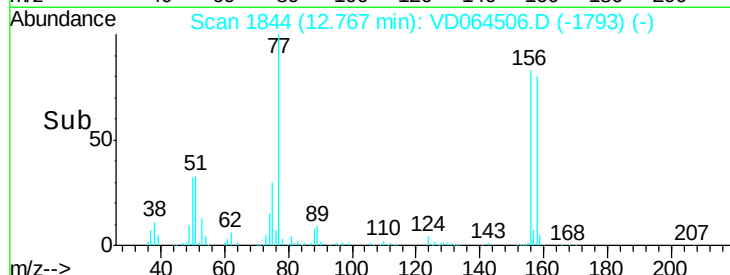
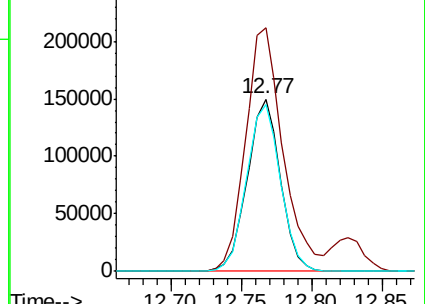
158 99.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.806 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064506.D

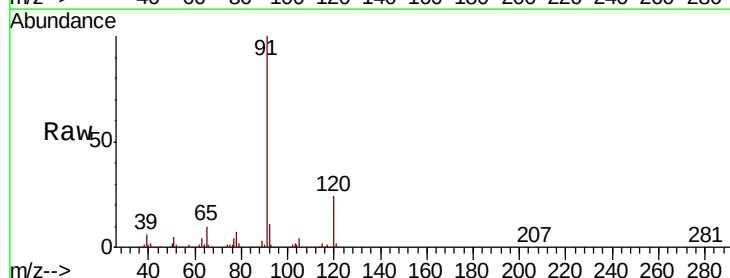
Acq: 13 Dec 2019 14:42

Tgt Ion: 91 Resp: 1201112

Ion Ratio Lower Upper

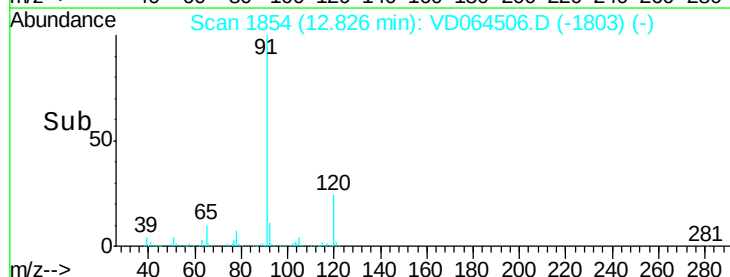
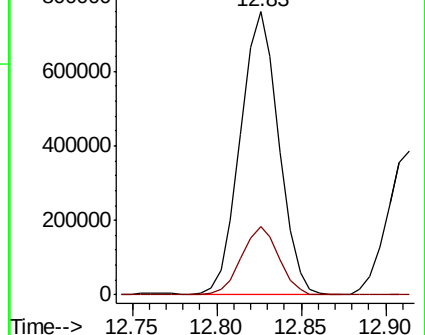
91 100

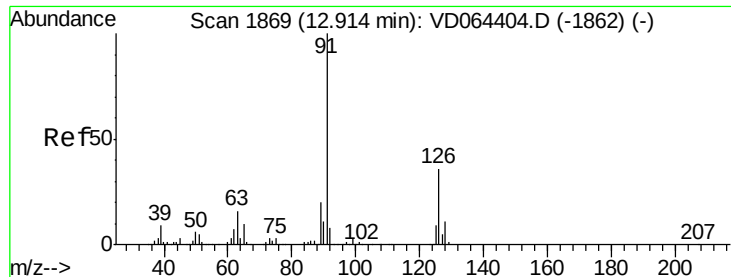
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.049 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

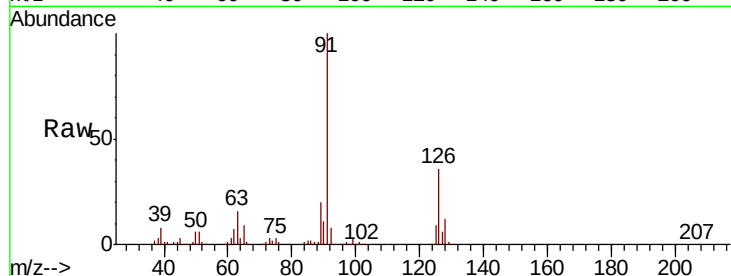
VSTDCCC050

Tgt Ion: 91 Resp: 638918

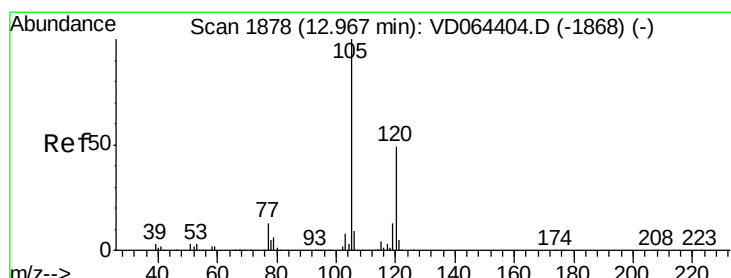
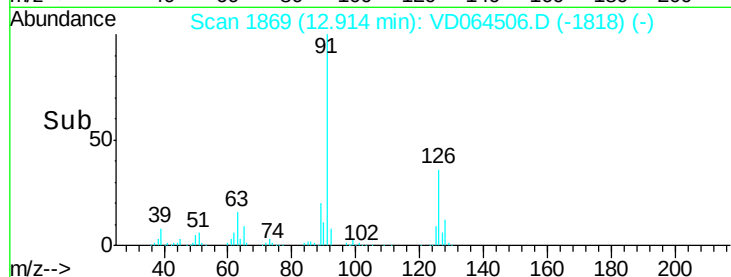
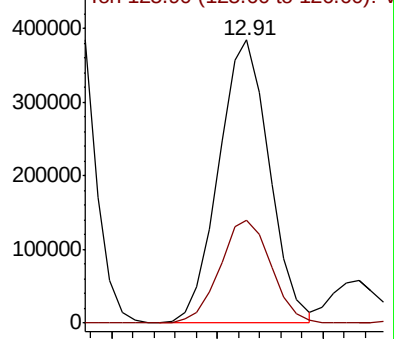
Ion Ratio Lower Upper

91 100

126 36.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VD064506.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.472 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064506.D

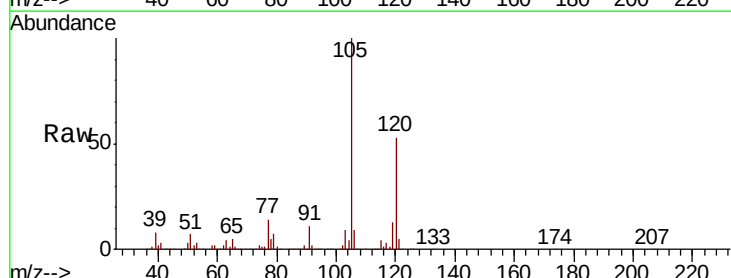
Acq: 13 Dec 2019 14:42

Tgt Ion: 105 Resp: 845307

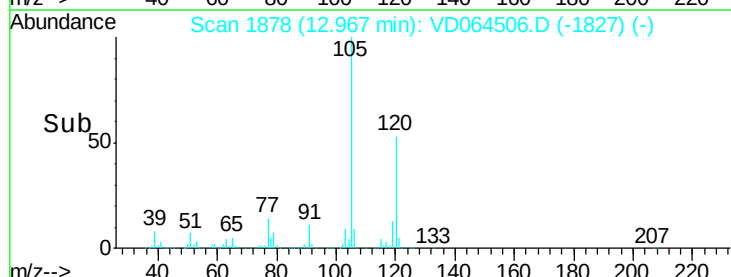
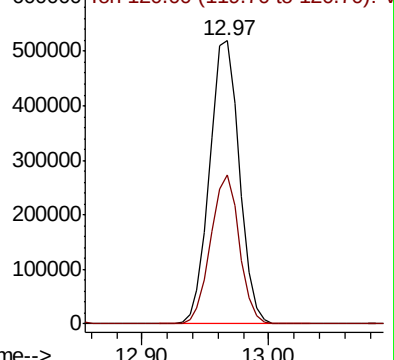
Ion Ratio Lower Upper

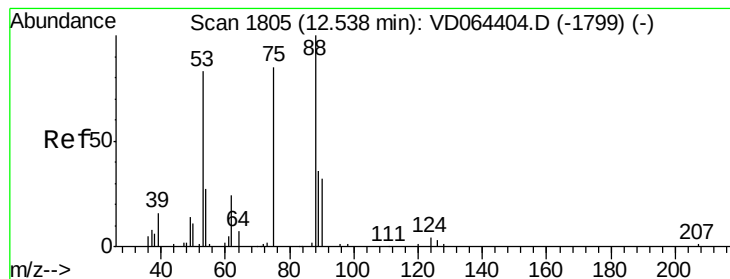
105 100

120 50.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064506.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.257 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

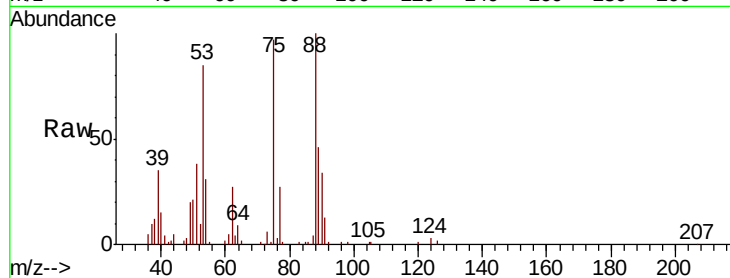
Tgt Ion: 75 Resp: 52987

Ion Ratio Lower Upper

75 100

53 95.3 81.0 121.6

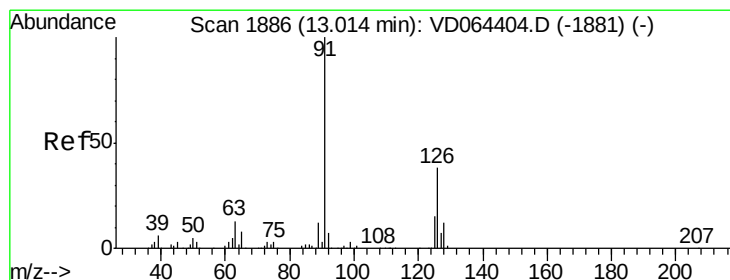
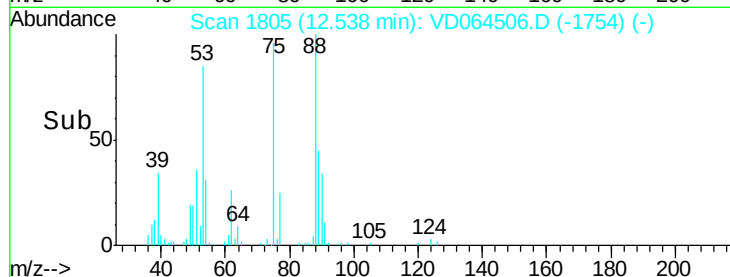
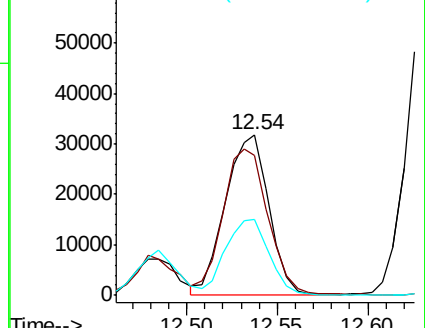
89 47.2 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.400 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD064506.D

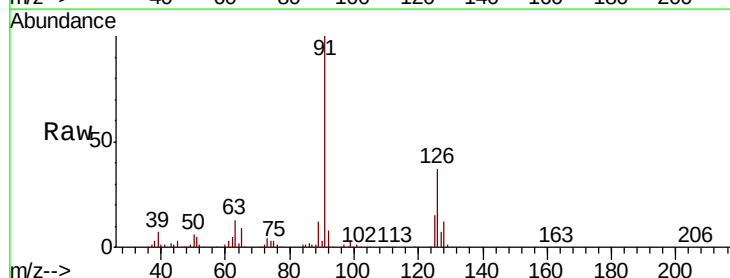
Acq: 13 Dec 2019 14:42

Tgt Ion: 91 Resp: 681119

Ion Ratio Lower Upper

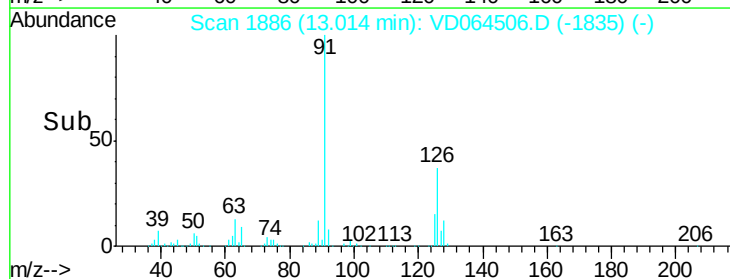
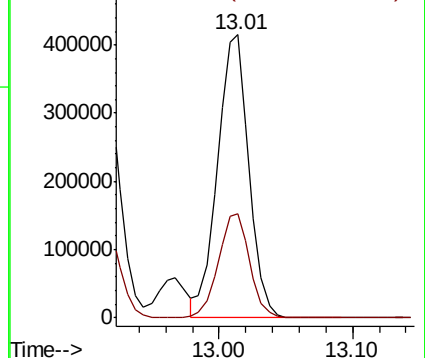
91 100

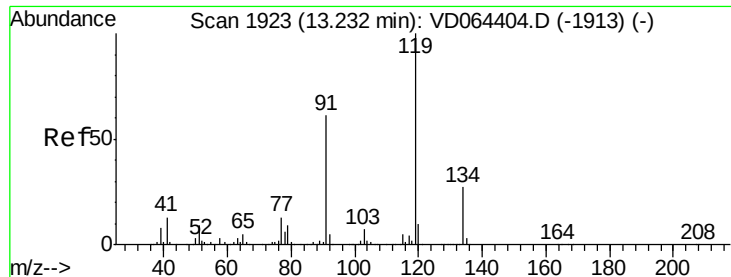
126 36.7 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

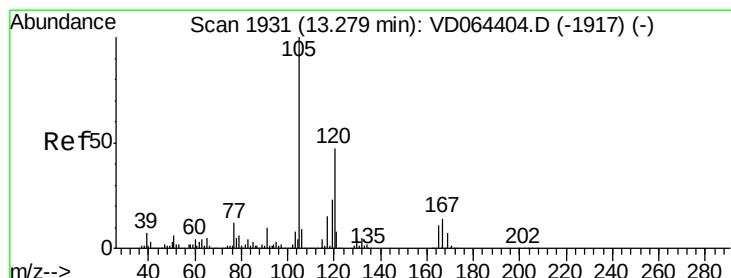
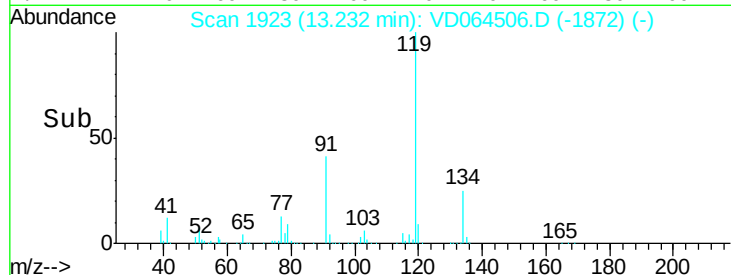
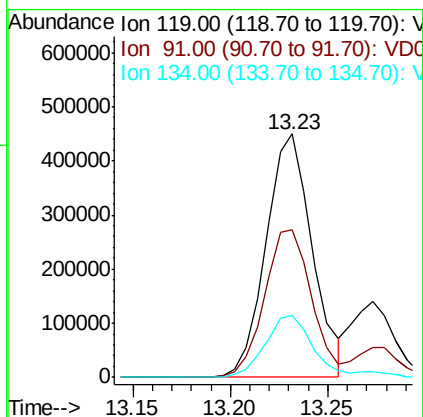
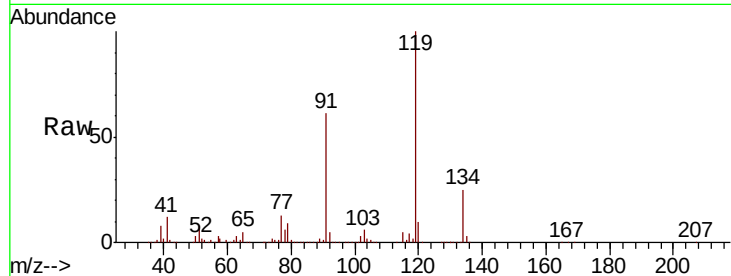




#83
 tert-Butylbenzene
 Concen: 52.735 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

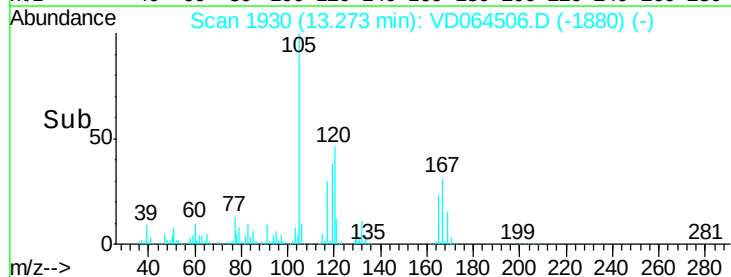
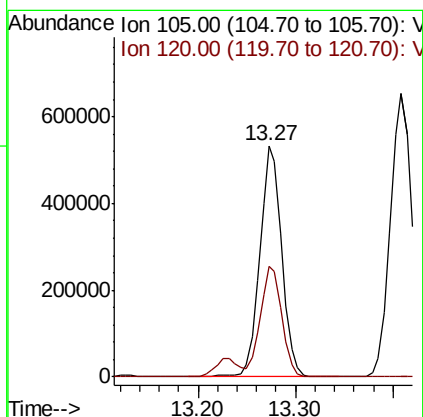
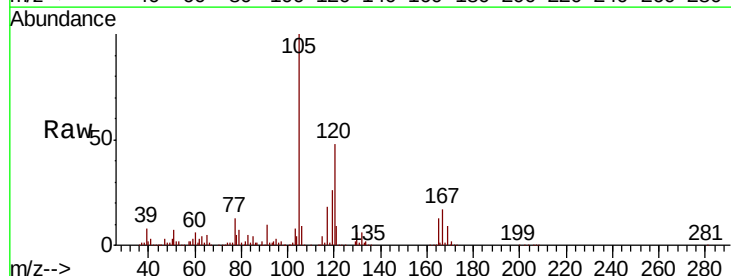
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

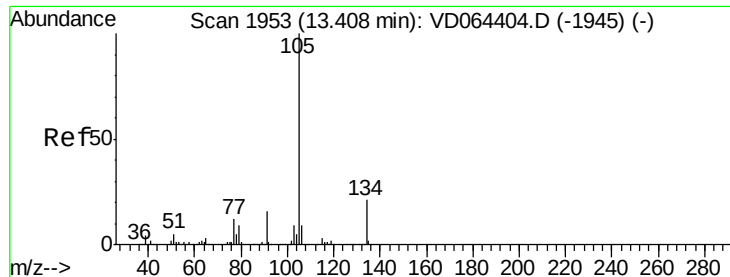
Tgt Ion:119 Resp: 738585
 Ion Ratio Lower Upper
 119 100
 91 61.5 31.2 93.6
 134 27.5 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.940 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion:105 Resp: 841379
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.6 70.8





#85

sec-Butylbenzene

Concen: 52.973 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

Instrument :

MSVOA_D

ClientSampleId :

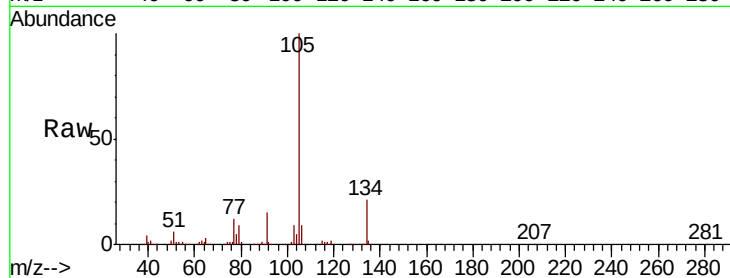
VSTDCCC050

Tgt Ion:105 Resp: 1018257

Ion Ratio Lower Upper

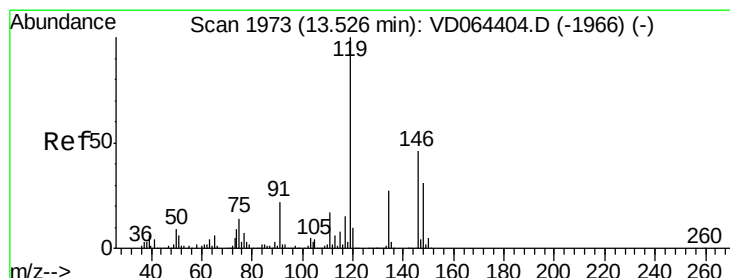
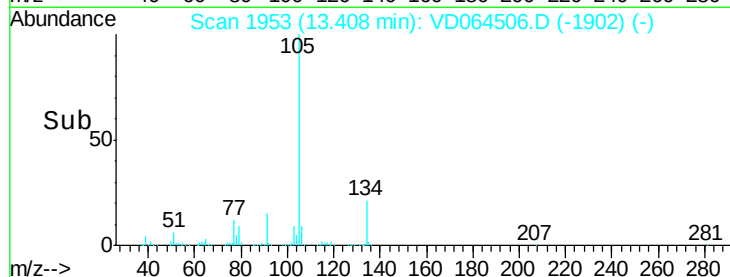
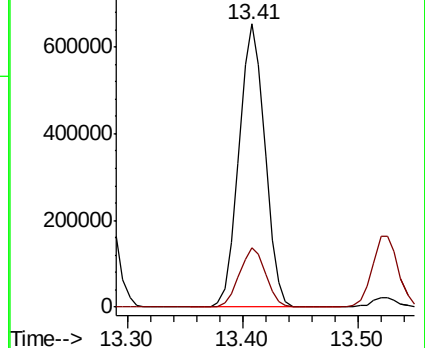
105 100

134 21.3 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.961 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064506.D

Acq: 13 Dec 2019 14:42

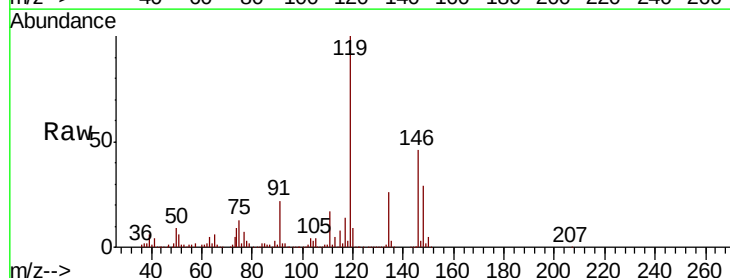
Tgt Ion:119 Resp: 961121

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

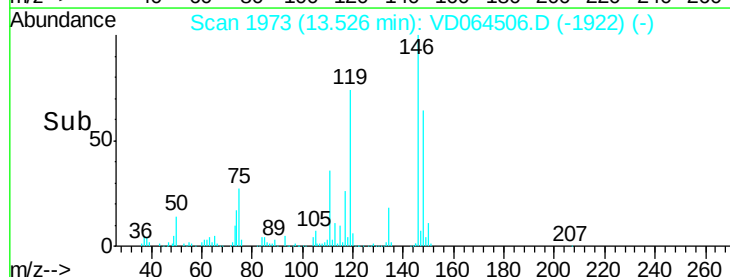
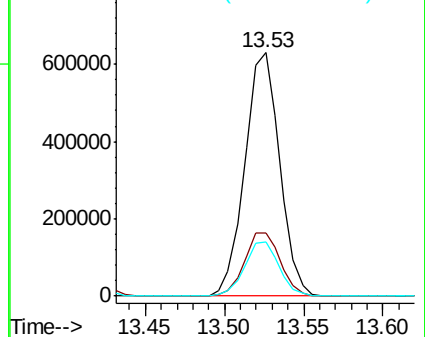
91 22.4 11.2 33.5

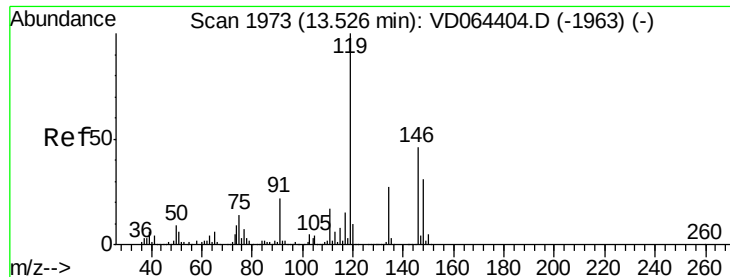


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

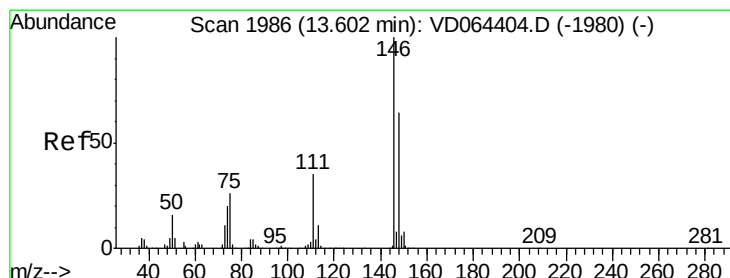
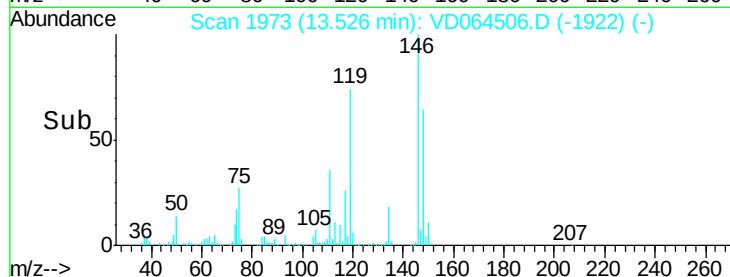
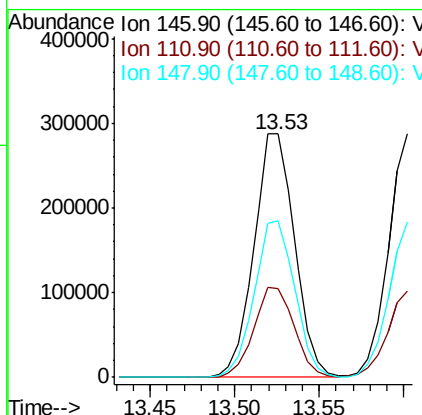
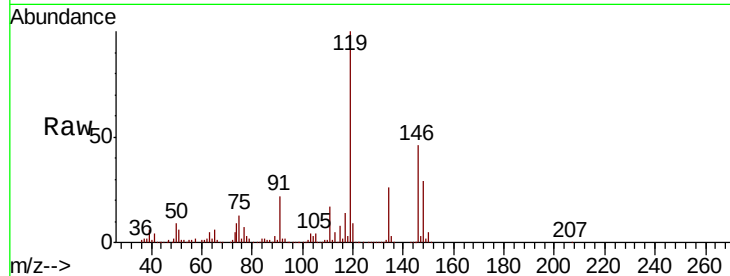




#87
 1,3-Dichlorobenzene
 Concen: 52.063 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

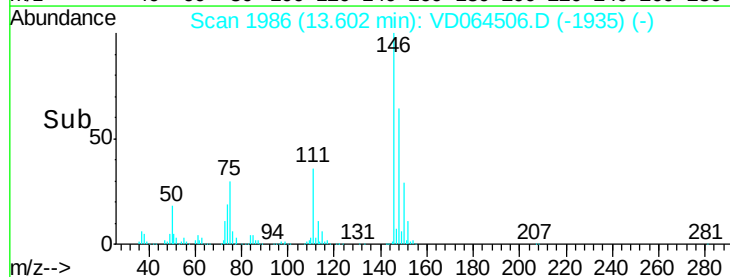
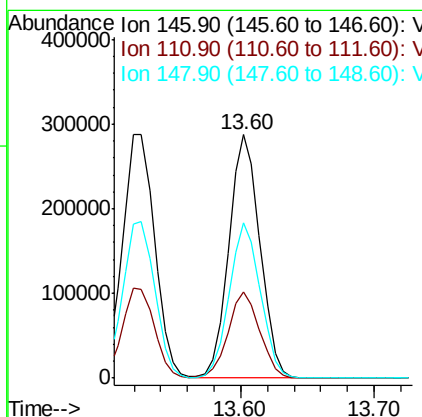
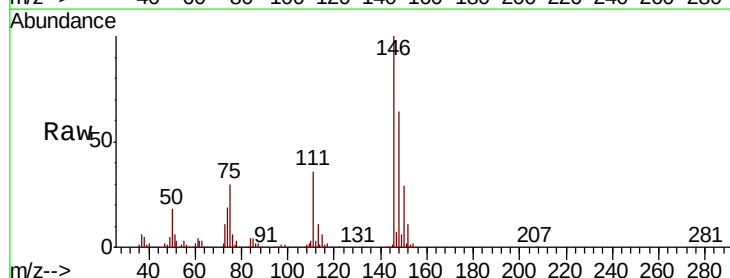
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

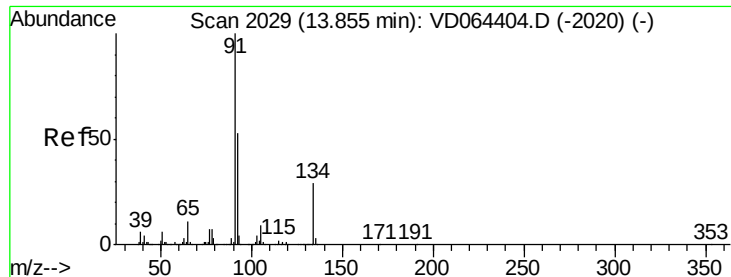
Tgt Ion:146 Resp: 481045
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.4
 148 63.8 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 51.102 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion:146 Resp: 466165
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.2 54.6
 148 63.9 31.8 95.4

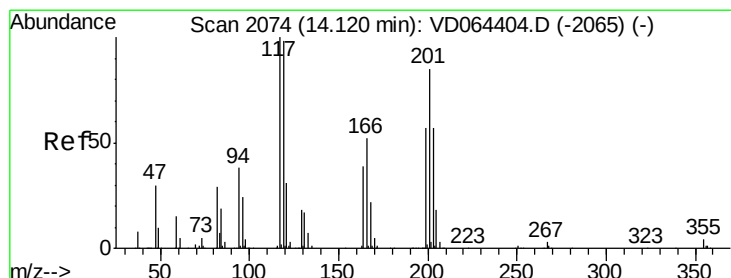
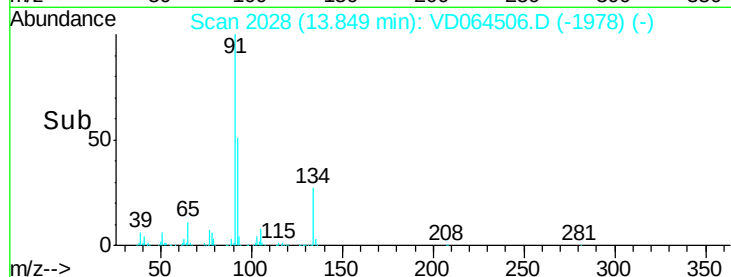
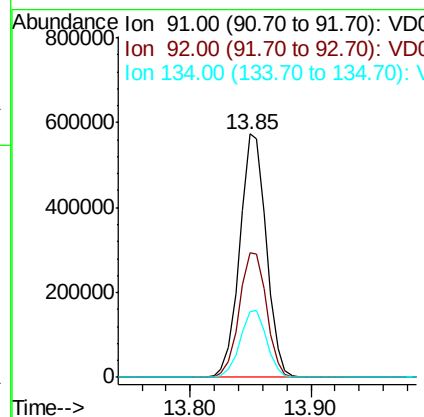
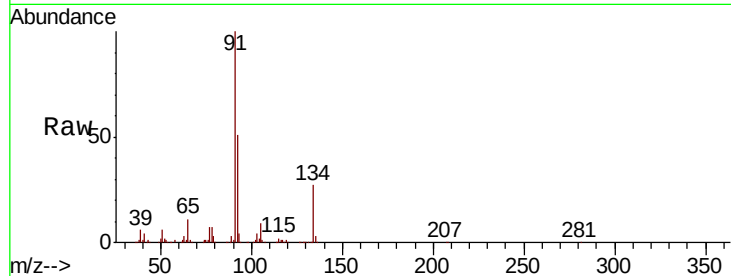




#89
n-Butylbenzene
Concen: 53.384 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

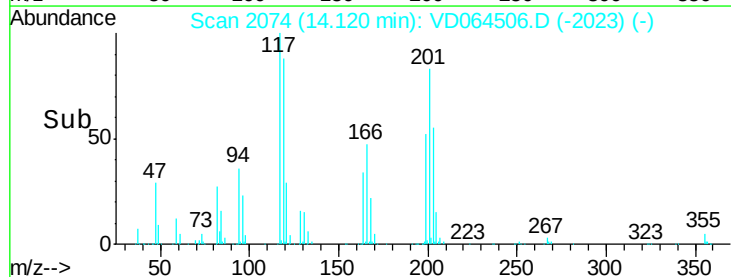
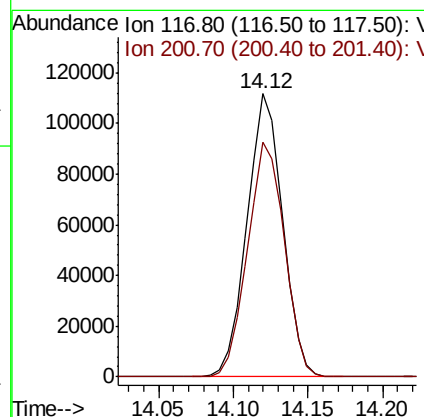
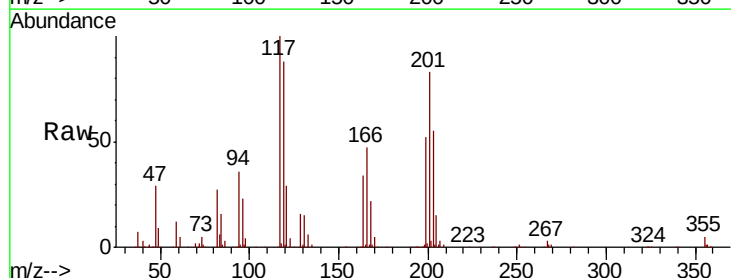
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

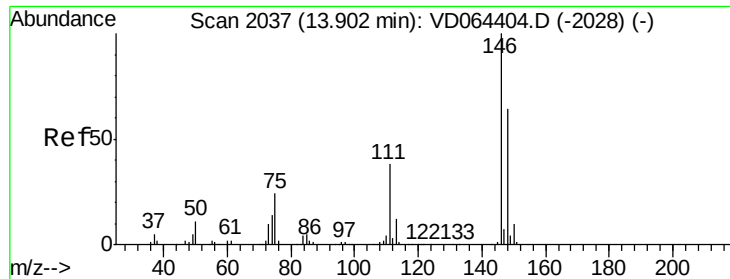
Tgt Ion: 91 Resp: 879774
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.4
134 27.4 13.9 41.7



#90
Hexachloroethane
Concen: 54.196 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion: 117 Resp: 183958
Ion Ratio Lower Upper
117 100
201 85.9 44.3 132.8

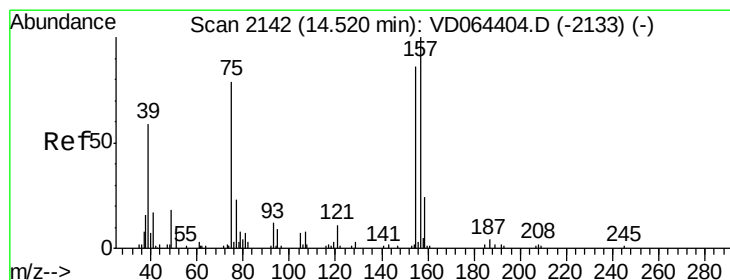
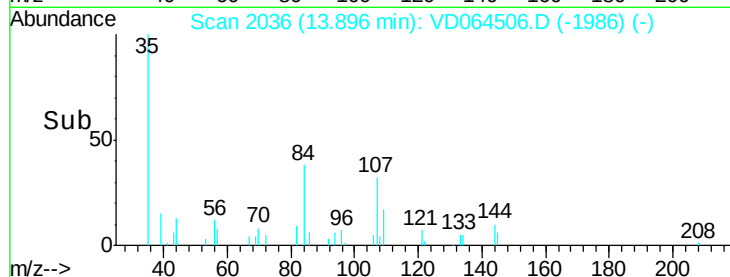
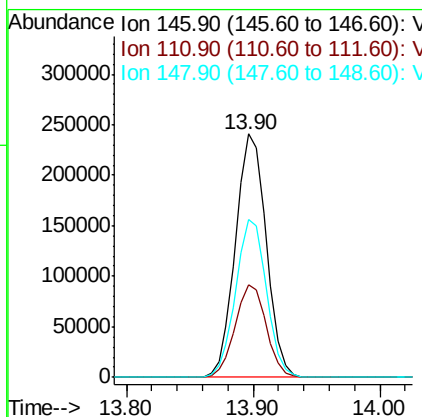
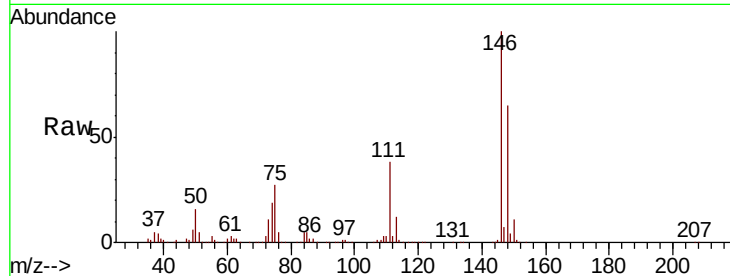




#91
 1,2-Dichlorobenzene
 Concen: 51.132 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

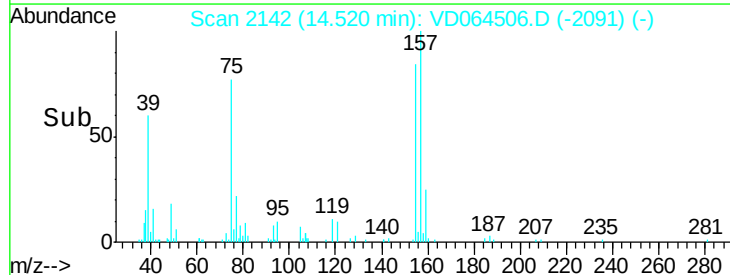
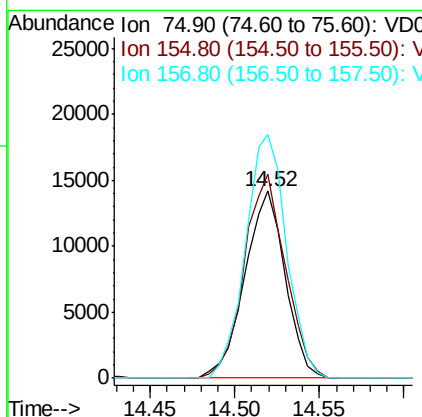
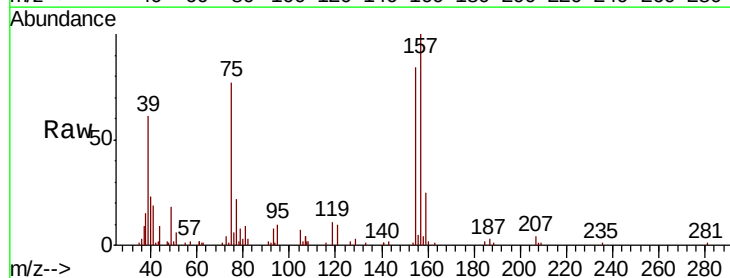
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

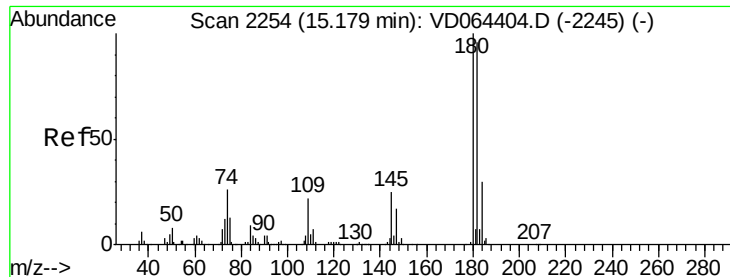
Tgt Ion:146 Resp: 403764
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.3
 148 65.2 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.167 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion: 75 Resp: 23541
 Ion Ratio Lower Upper
 75 100
 155 111.3 51.9 155.7
 157 132.2 63.2 189.8

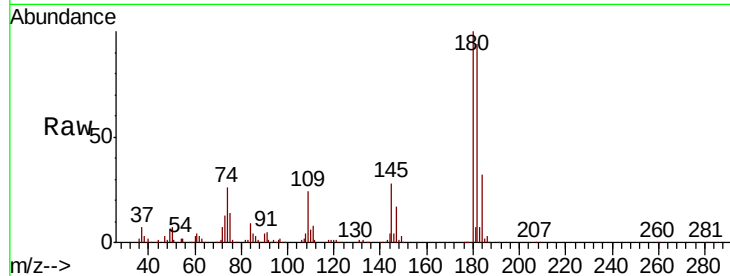




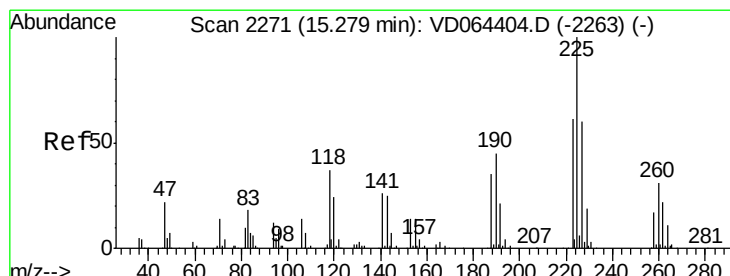
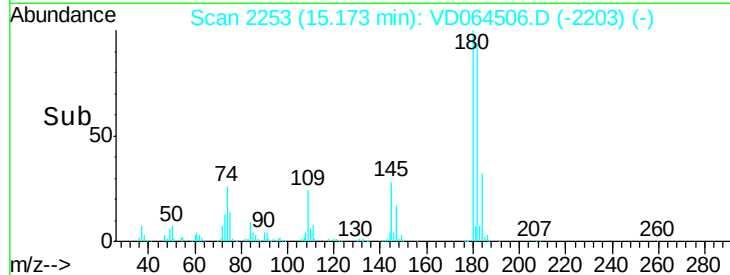
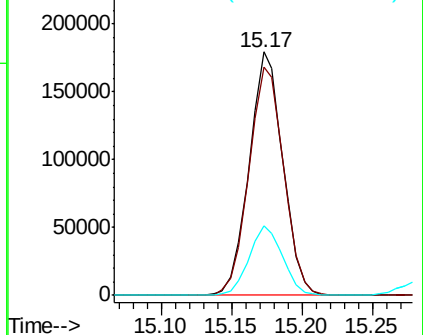
#93
 1,2,4-Trichlorobenzene
 Concen: 49.689 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 300493
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.4 142.3
 145 28.3 14.0 41.9

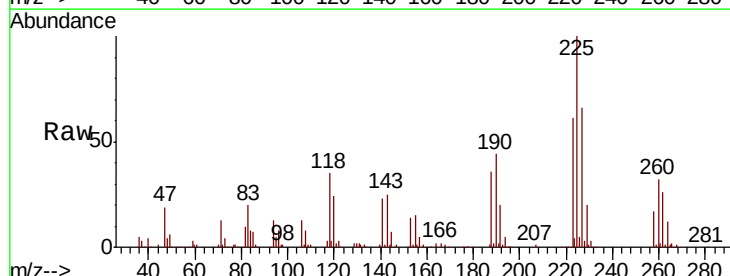


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

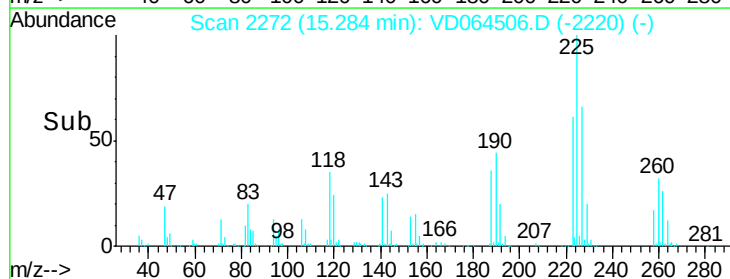
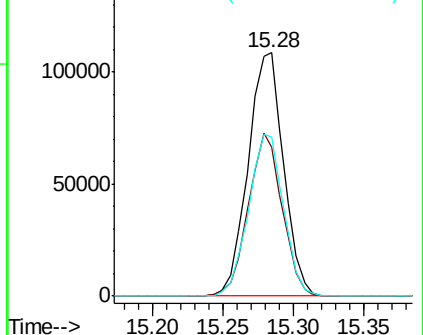


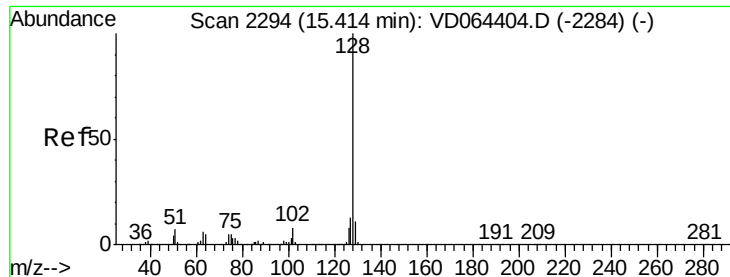
#94
 Hexachlorobutadiene
 Concen: 51.342 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064506.D
 Acq: 13 Dec 2019 14:42

Tgt Ion:225 Resp: 191678
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.1 93.3
 227 65.4 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

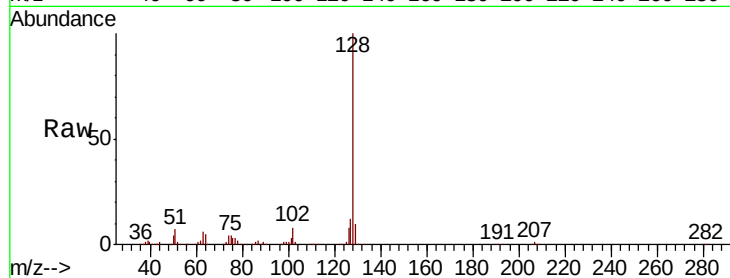




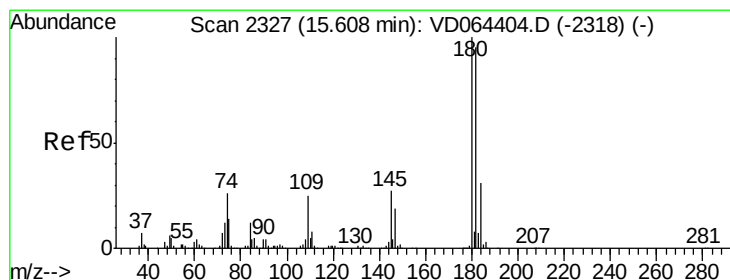
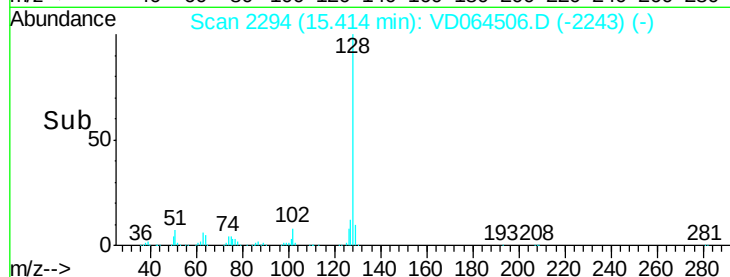
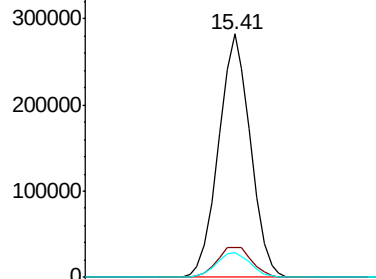
#95
Naphthalene
Concen: 48.927 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 493793
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.8 8.8 13.2

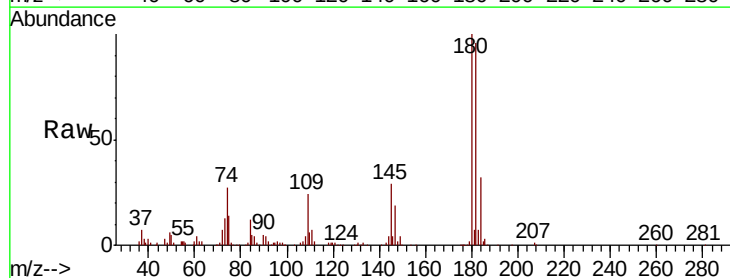


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.170 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064506.D
Acq: 13 Dec 2019 14:42

Tgt Ion:180 Resp: 258988
Ion Ratio Lower Upper
180 100
182 94.6 47.6 142.9
145 29.5 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

