

Data File : VD065516.D
Acq On : 16 Mar 2020 16:57
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 17 07:29:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	481567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	710120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	662559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315428	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196277	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.92	113	214545	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.34	98	839264	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.64	95	276886	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173952	42.030	ug/l	99
3) Chloromethane	2.21	50	218677	43.764	ug/l	100
4) Vinyl Chloride	2.36	62	227218	46.103	ug/l	97
5) Bromomethane	2.77	94	157652	57.837	ug/l	99
6) Chloroethane	2.93	64	147859	48.984	ug/l	99
7) Trichlorofluoromethane	3.27	101	344829	47.483	ug/l	97
8) Diethyl Ether	3.71	74	103802	48.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	227137	48.563	ug/l	99
10) Methyl Iodide	4.30	142	266331	54.811	ug/l	98
11) Tert butyl alcohol	5.24	59	51419	217.008	ug/l	97
12) 1,1-Dichloroethene	4.07	96	211769	47.284	ug/l	97
13) Acrolein	3.92	56	85537	209.321	ug/l	99
14) Allyl chloride	4.71	41	336858	48.962	ug/l	99
15) Acrylonitrile	5.43	53	223095	237.454	ug/l	99
16) Acetone	4.16	43	192159	230.012	ug/l	95
17) Carbon Disulfide	4.40	76	660344	44.275	ug/l	99
18) Methyl Acetate	4.72	43	96795	45.675	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	442382	51.364	ug/l	97
20) Methylene Chloride	4.97	84	257676	57.301	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	246166	49.410	ug/l	99
22) Diisopropyl ether	6.37	45	679833	53.156	ug/l	99
23) Vinyl Acetate	6.31	43	1835310	258.445	ug/l	100
24) 1,1-Dichloroethane	6.27	63	413974	50.464	ug/l	99
25) 2-Butanone	7.22	43	259445	227.569	ug/l	99
26) 2,2-Dichloropropane	7.21	77	363657	50.728	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	268789	52.782	ug/l	98
28) Bromochloromethane	7.56	49	178219	54.301	ug/l	98
29) Tetrahydrofuran	7.57	42	173914	238.872	ug/l	99
30) Chloroform	7.71	83	420972	51.342	ug/l	98
31) Cyclohexane	7.98	56	379528	46.268	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	383212	50.574	ug/l	100
36) 1,1-Dichloropropene	8.11	75	330401	48.539	ug/l	99
37) Ethyl Acetate	7.30	43	123275	46.855	ug/l	99
38) Carbon Tetrachloride	8.10	117	348812	49.416	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	414285	50.391	ug/l	95
40) Benzene	8.36	78	962426	50.569	ug/l	100
41) Methacrylonitrile	7.53	41	70274	50.506	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	245349	49.369	ug/l	100
43) Isopropyl Acetate	8.46	43	229152	47.170	ug/l	99
44) Trichloroethene	9.11	130	275042	51.173	ug/l	100
45) 1,2-Dichloropropane	9.39	63	236419	51.282	ug/l	94
46) Dibromomethane	9.48	93	119977	50.172	ug/l	97
47) Bromodichloromethane	9.67	83	317933	51.105	ug/l	95
48) Methyl methacrylate	9.46	41	111173	48.650	ug/l	99
49) 1,4-Dioxane	9.47	88	25424	929.472	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	614132	251.217	ug/l	99
52) Toluene	10.41	92	624348	52.074	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	304204	52.325	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	373847	53.125	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	172931	51.059	ug/l	99
56) Ethyl methacrylate	10.67	69	209263	54.806	ug/l	97
57) 1,3-Dichloropropane	10.95	76	295304	51.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	282550	236.884	ug/l	97
59) 2-Hexanone	10.99	43	417623	246.782	ug/l	98
60) Dibromochloromethane	11.15	129	224213	51.644	ug/l	99
61) 1,2-Dibromoethane	11.25	107	165588	51.256	ug/l	96
64) Tetrachloroethene	10.88	164	239544	50.455	ug/l	96
65) Chlorobenzene	11.68	112	675213	51.498	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	250181	52.392	ug/l	96
67) Ethyl Benzene	11.75	91	1207746	53.311	ug/l	100
68) m/p-Xylenes	11.86	106	920880	105.419	ug/l	100
69) o-Xylene	12.18	106	426681	55.528	ug/l	99
70) Styrene	12.20	104	740994	54.793	ug/l	99
71) Bromoform	12.37	173	131755	49.122	ug/l #	99
73) Isopropylbenzene	12.48	105	1159853	55.904	ug/l	100
74) N-amyl acetate	12.30	43	217566	51.223	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	176998	48.534	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	229552	92.227	ug/l #	100
77) Bromobenzene	12.77	156	281563	54.623	ug/l	96
78) n-propylbenzene	12.83	91	1340430	54.452	ug/l	100
79) 2-Chlorotoluene	12.91	91	739710	53.318	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	928683	54.447	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	57568	48.809	ug/l	99
82) 4-Chlorotoluene	13.01	91	773903	53.084	ug/l	100
83) tert-Butylbenzene	13.23	119	827612	57.354	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	927316	55.155	ug/l	99
85) sec-Butylbenzene	13.41	105	1133973	55.054	ug/l	99
86) p-Isopropyltoluene	13.53	119	1055495	56.158	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	514904	51.957	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	504853	51.212	ug/l	99
89) n-Butylbenzene	13.85	91	977366	56.247	ug/l	99
90) Hexachloroethane	14.12	117	199709	51.596	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	444242	52.676	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26779	48.215	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031620\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	322742	56.463	ug/l	98
94) Hexachlorobutadiene	15.28	225	199197	53.038	ug/l	98
95) Naphthalene	15.41	128	532249	52.047	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	273286	55.329	ug/l	99

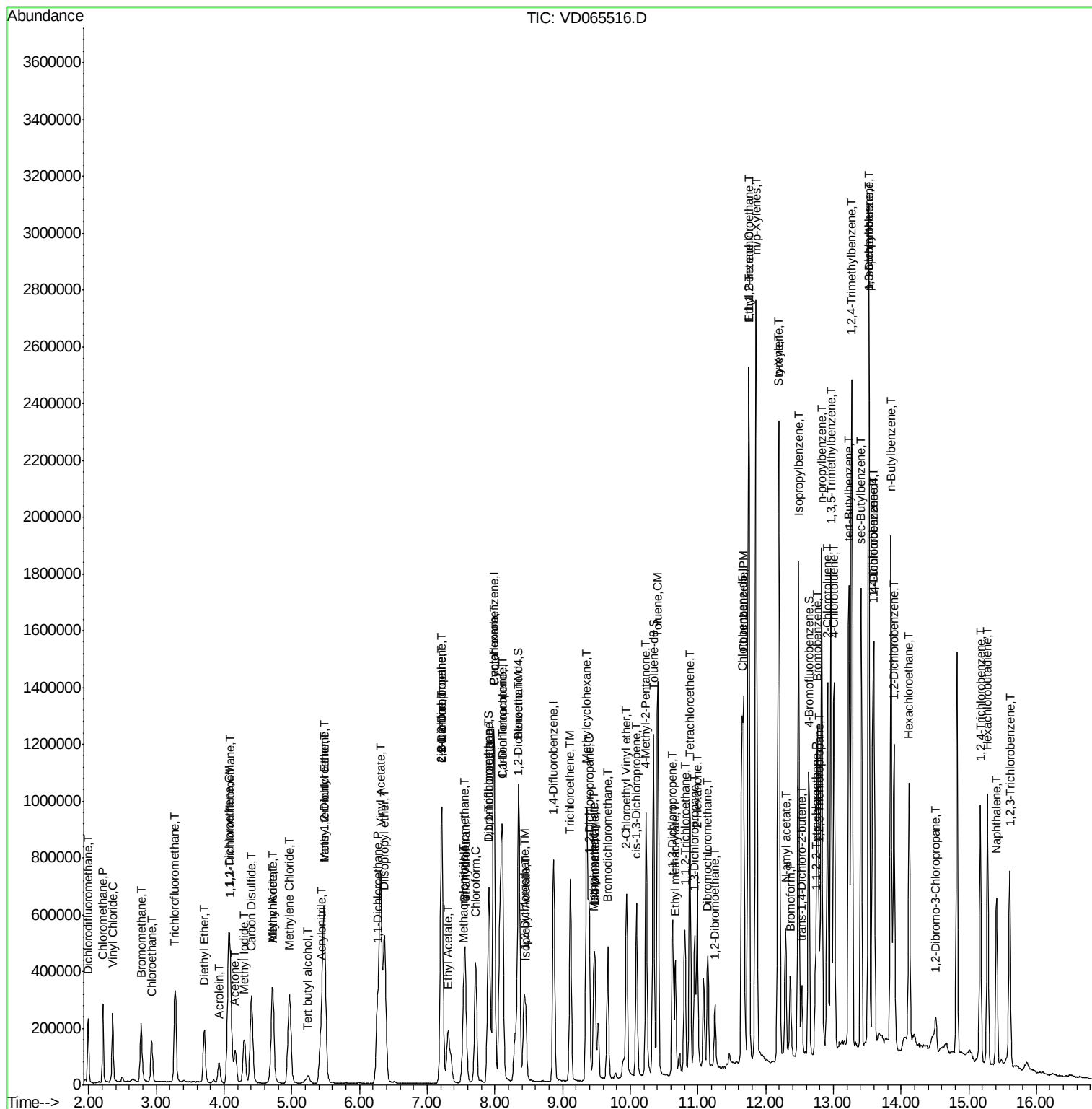
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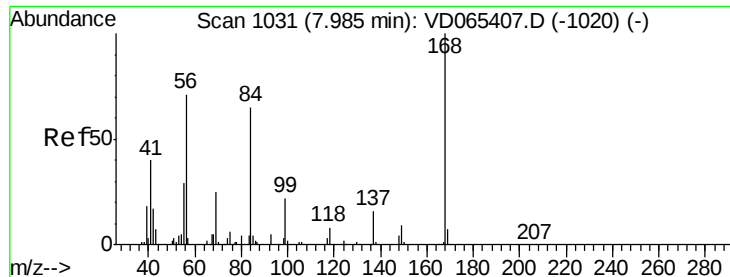
Data File : VD065516.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

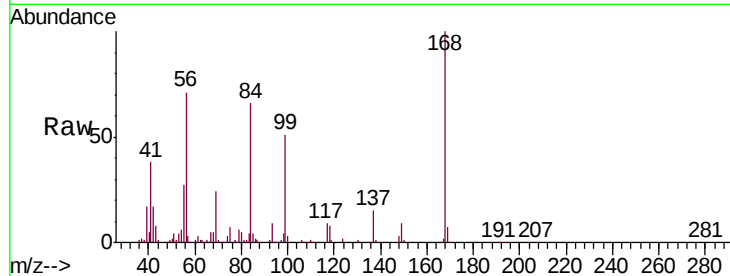
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 481567

Ion Ratio Lower Upper

168 100

99 50.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

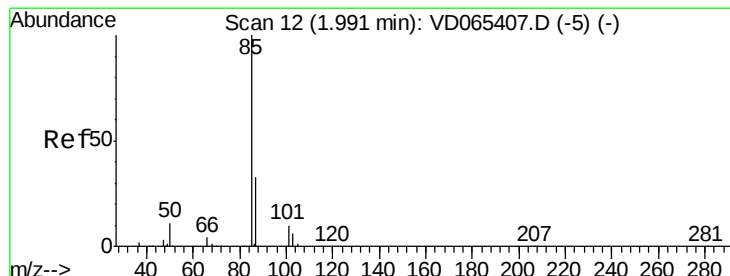
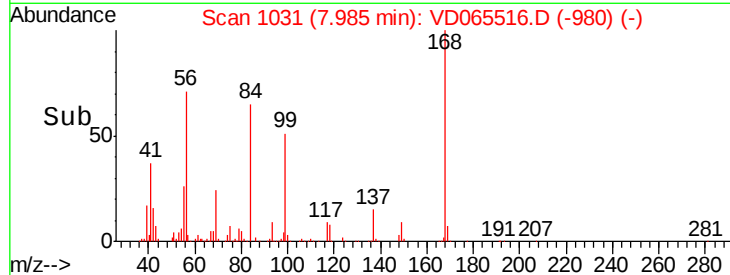
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.030 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065516.D

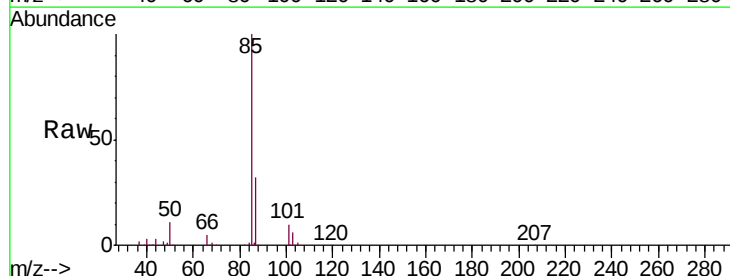
Acq: 16 Mar 2020 16:57

Tgt Ion: 85 Resp: 173952

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

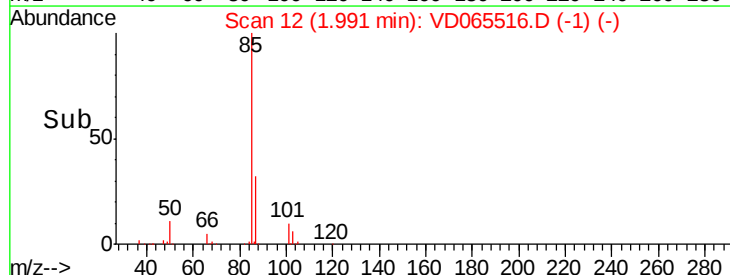
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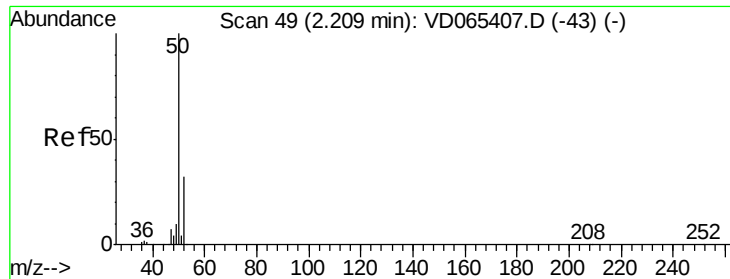
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 43.764 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

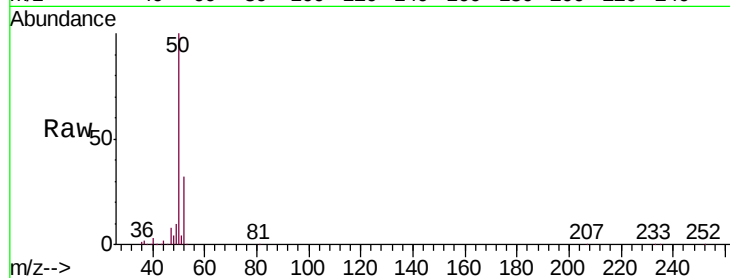
VSTDCCC050EC

Tgt Ion: 50 Resp: 218677

Ion Ratio Lower Upper

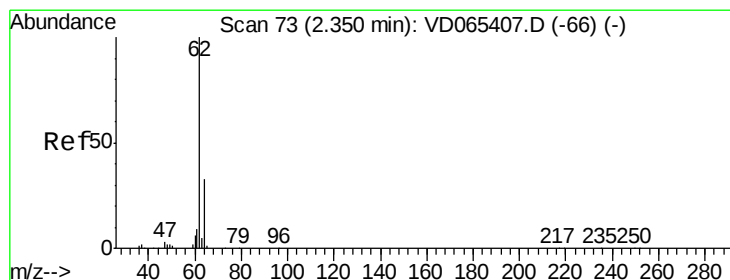
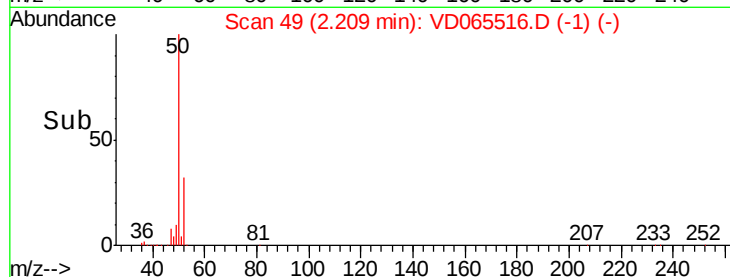
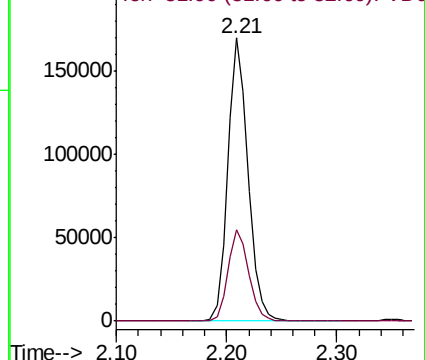
50 100

52 32.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.103 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065516.D

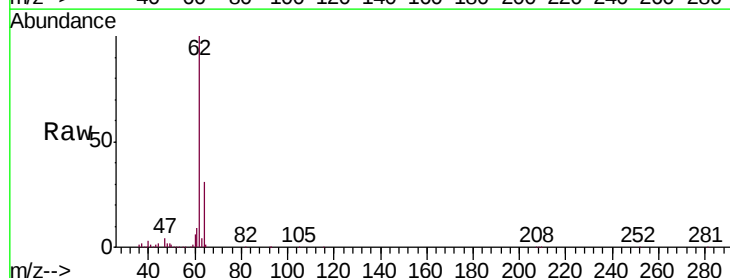
Acq: 16 Mar 2020 16:57

Tgt Ion: 62 Resp: 227218

Ion Ratio Lower Upper

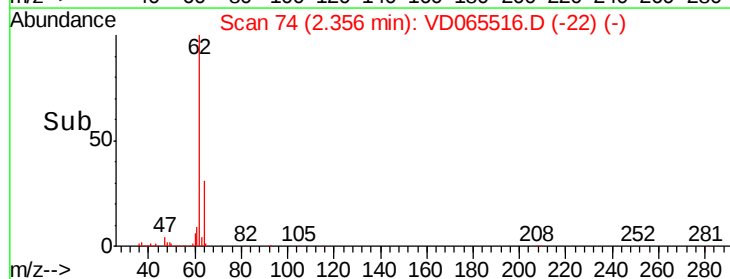
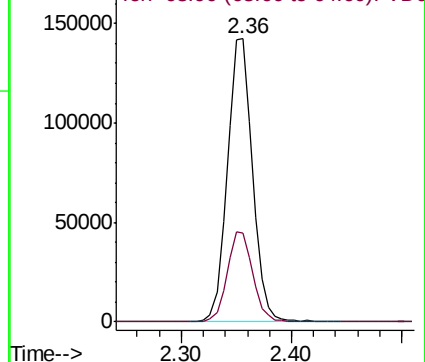
62 100

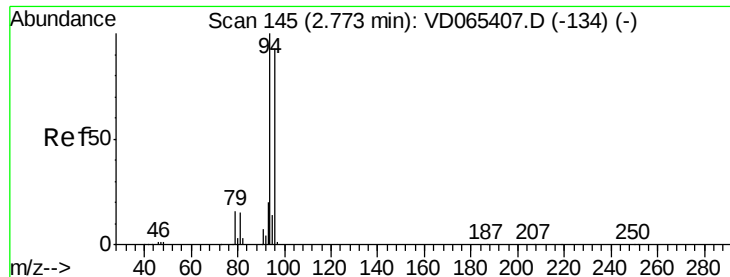
64 31.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 57.837 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

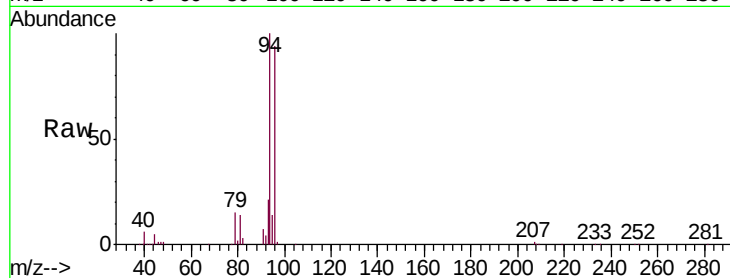
VSTDCCC050EC

Tgt Ion: 94 Resp: 157652

Ion Ratio Lower Upper

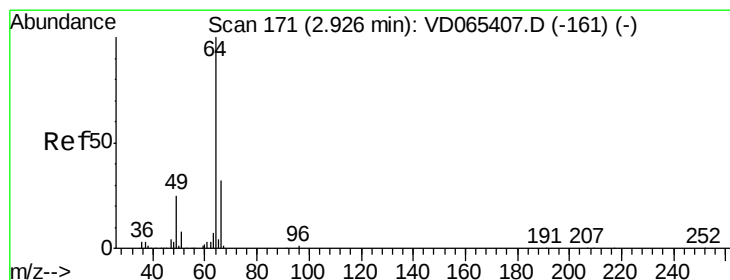
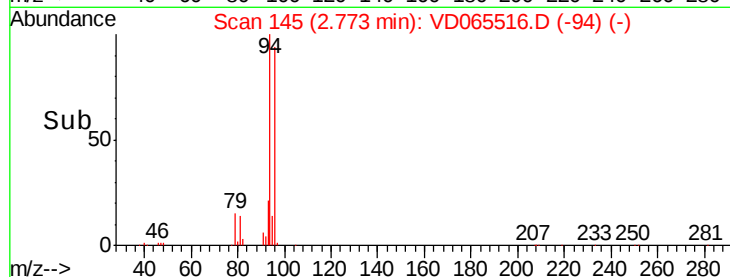
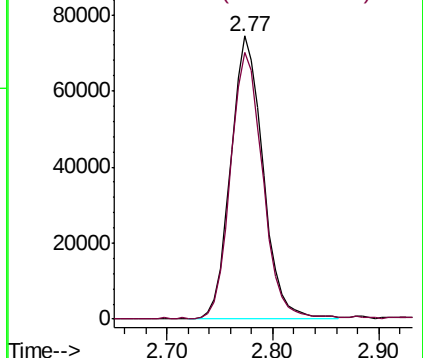
94 100

96 94.3 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.984 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065516.D

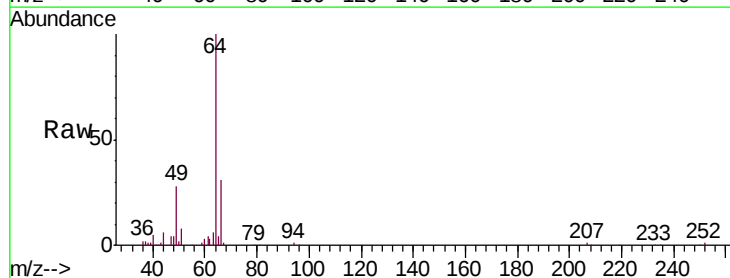
Acq: 16 Mar 2020 16:57

Tgt Ion: 64 Resp: 147859

Ion Ratio Lower Upper

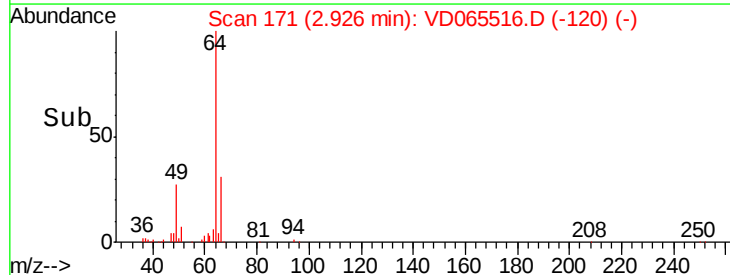
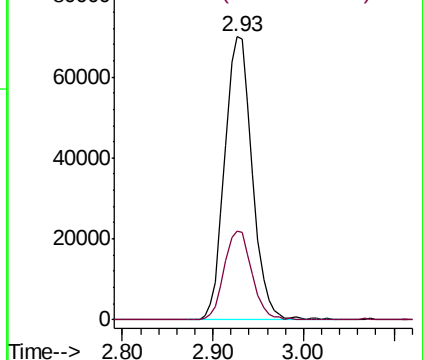
64 100

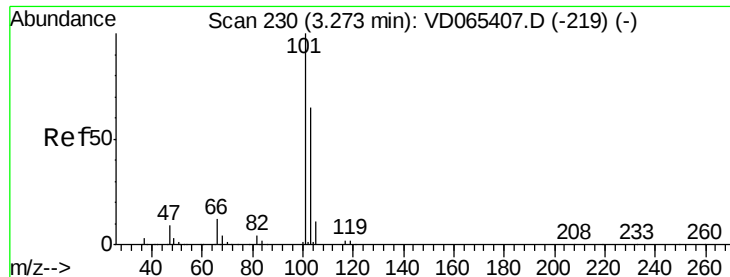
66 31.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



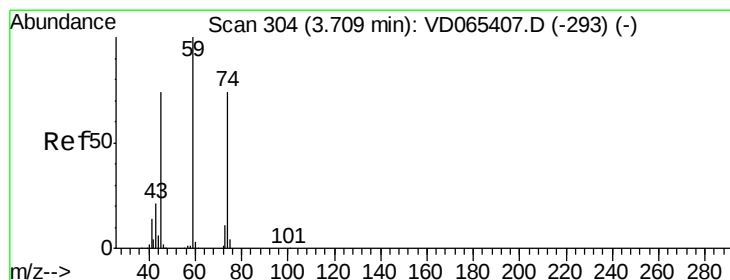
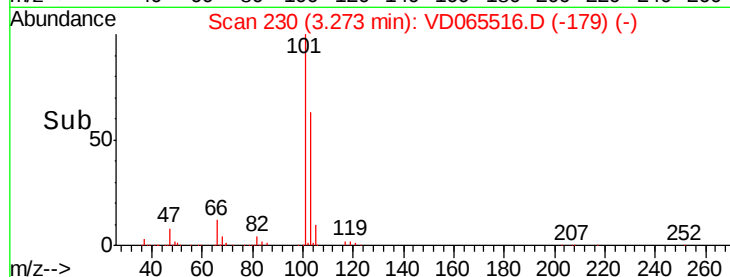
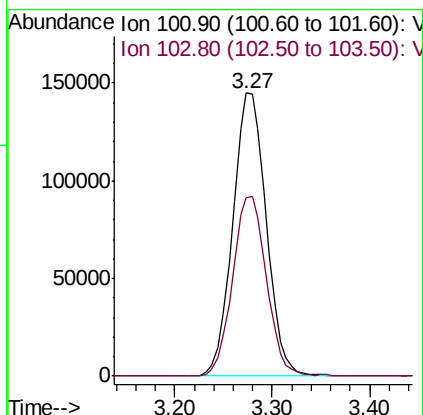
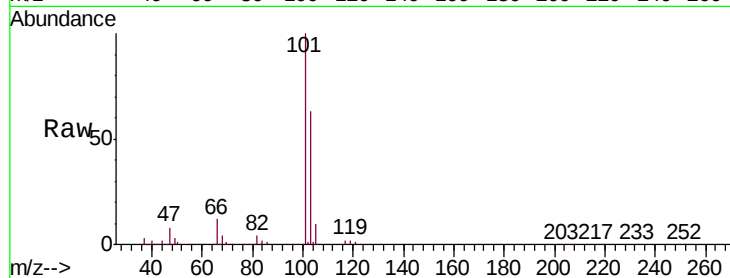


#7

Trichlorofluoromethane
Concen: 47.483 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065516.D
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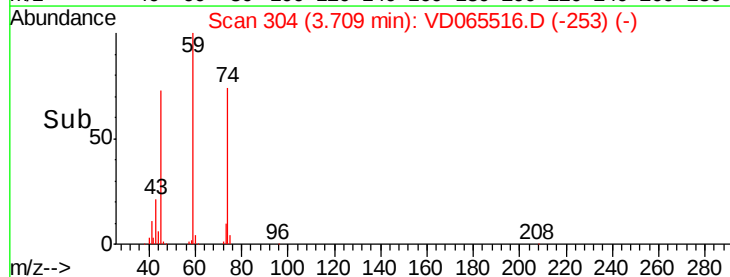
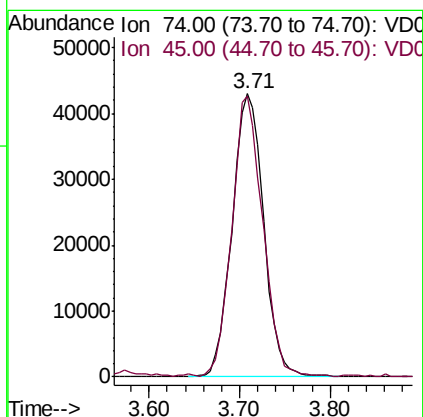
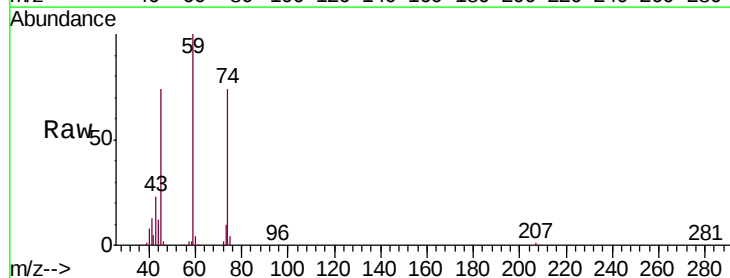
Tgt Ion: 101 Resp: 344829
Ion Ratio Lower Upper
101 100
103 62.9 52.1 78.1

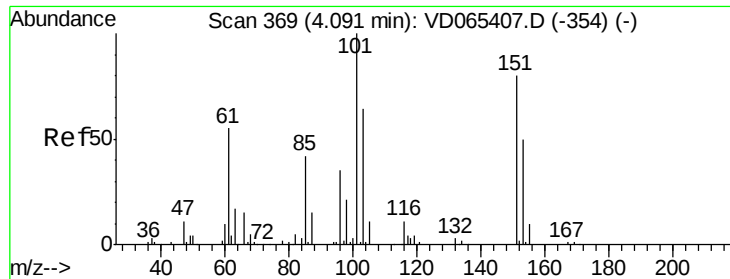


#8

Diethyl Ether
Concen: 48.065 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 74 Resp: 103802
Ion Ratio Lower Upper
74 100
45 97.4 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.563 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065516.D

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MSVOA_D

ClientSampleId :

VSTDCCC050EC

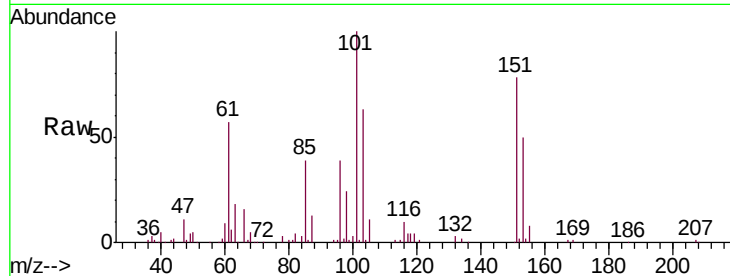
Tgt Ion:101 Resp: 227137

Ion Ratio Lower Upper

101 100

85 40.9 34.2 51.2

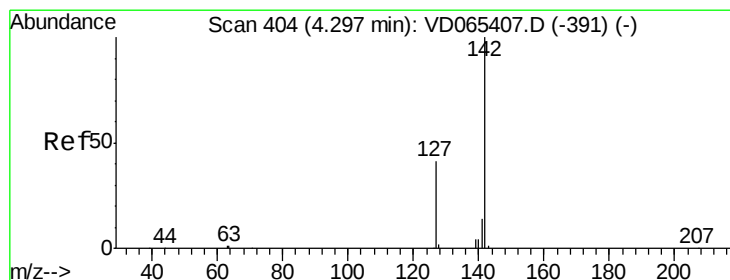
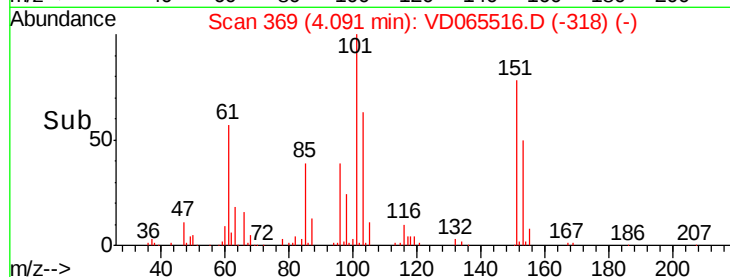
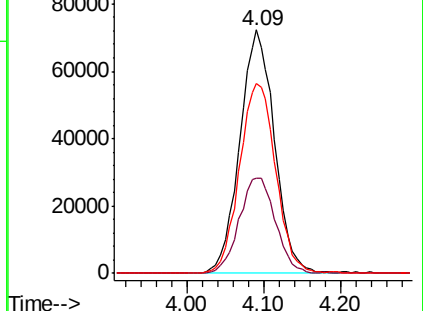
151 81.2 65.1 97.7



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: 54.811 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

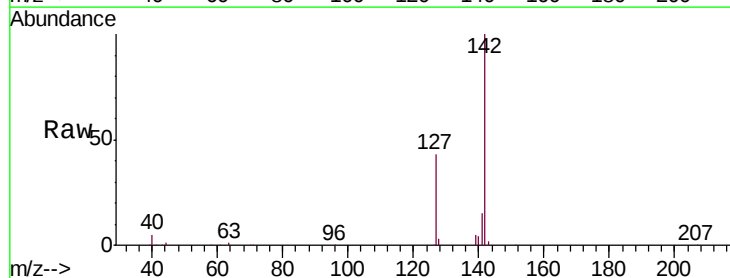
Tgt Ion:142 Resp: 266331

Ion Ratio Lower Upper

142 100

127 43.1 35.0 52.6

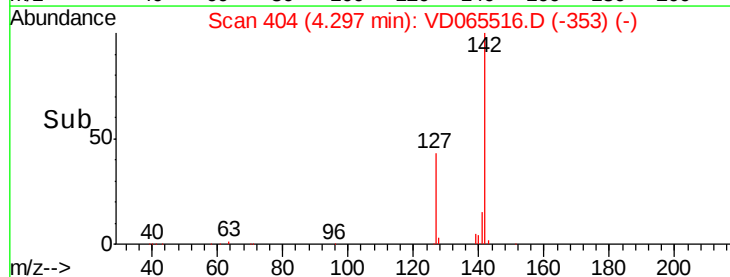
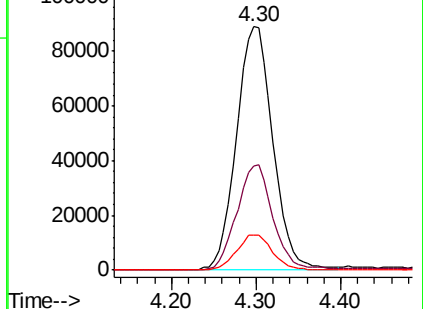
141 14.4 12.4 18.6

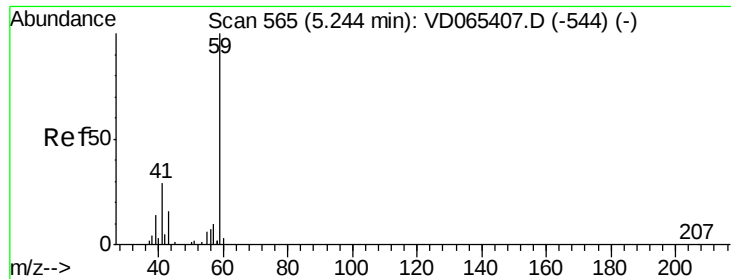


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

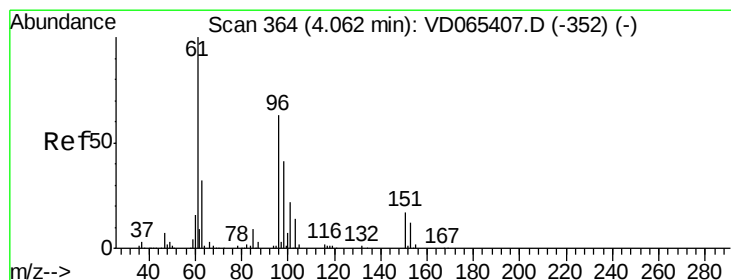
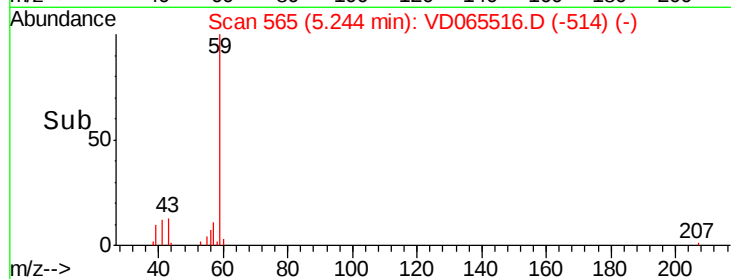
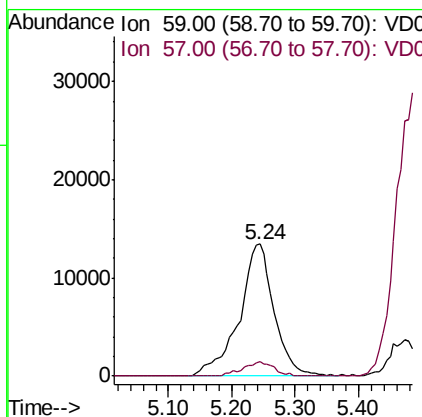
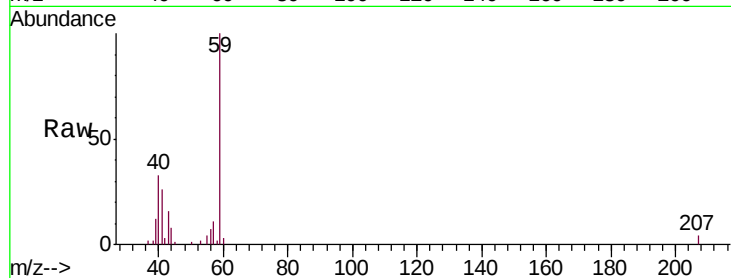




#11
Tert butyl alcohol
Concen: 217.008 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

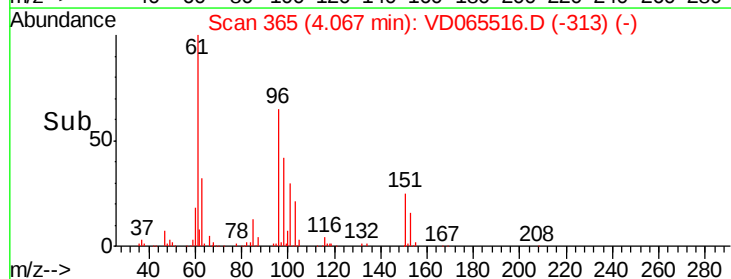
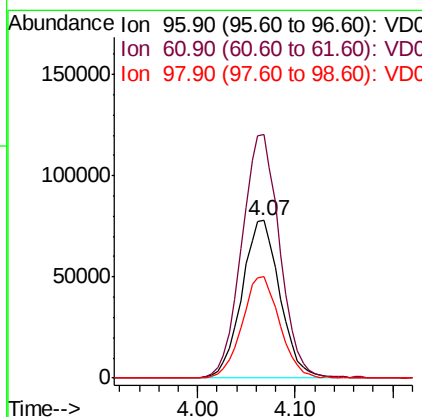
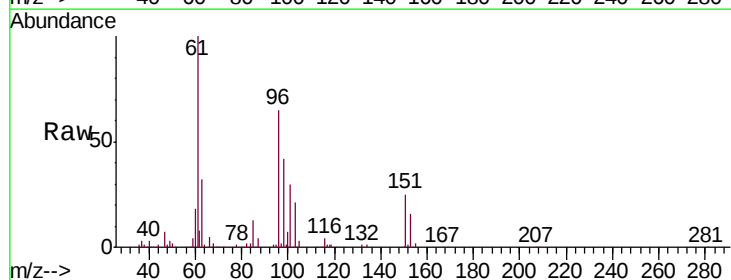
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

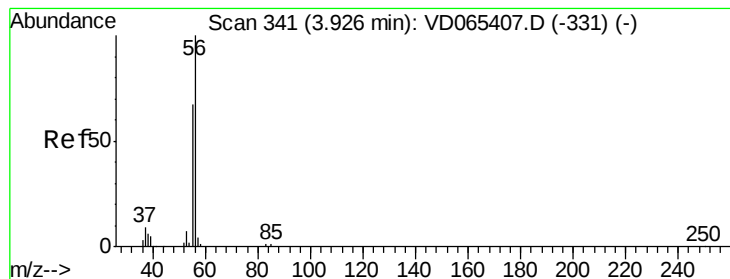
Tgt Ion: 59 Resp: 51419
Ion Ratio Lower Upper
59 100
57 9.6 6.9 10.3



#12
1,1-Dichloroethene
Concen: 47.284 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 96 Resp: 211769
Ion Ratio Lower Upper
96 100
61 154.7 128.0 192.0
98 64.3 51.9 77.9





#13

Acrolein

Concen: 209.321 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

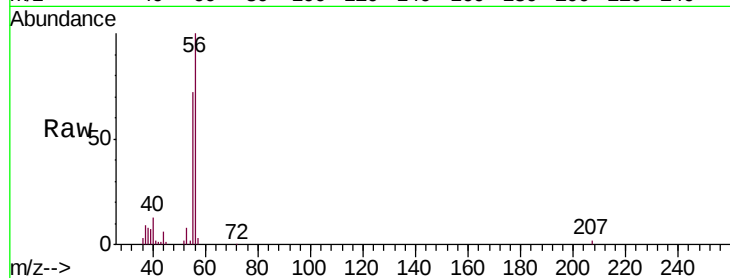
VSTDCCC050EC

Tgt Ion: 56 Resp: 85537

Ion Ratio Lower Upper

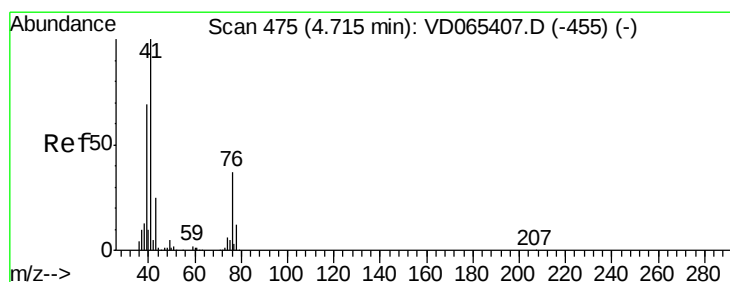
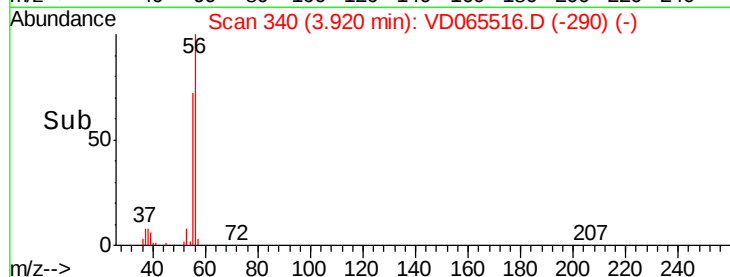
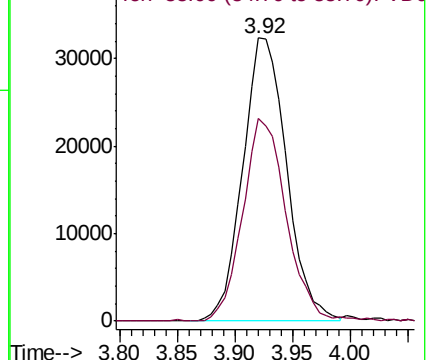
56 100

55 71.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.962 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

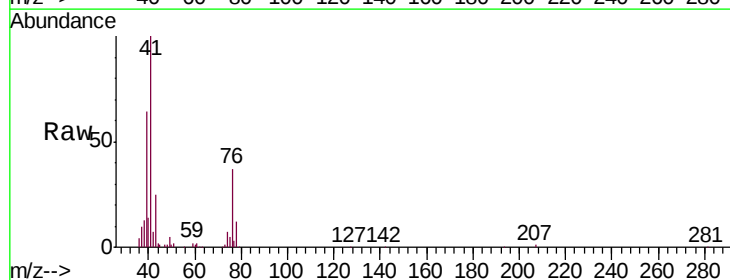
Tgt Ion: 41 Resp: 336858

Ion Ratio Lower Upper

41 100

39 64.9 52.6 79.0

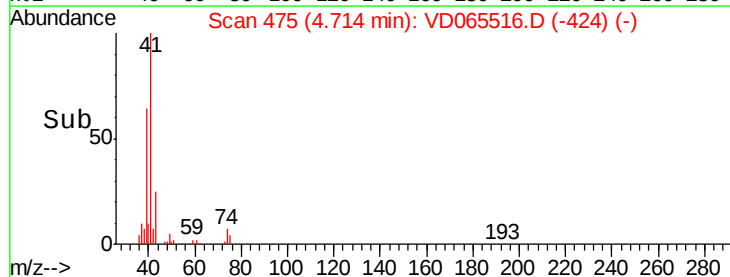
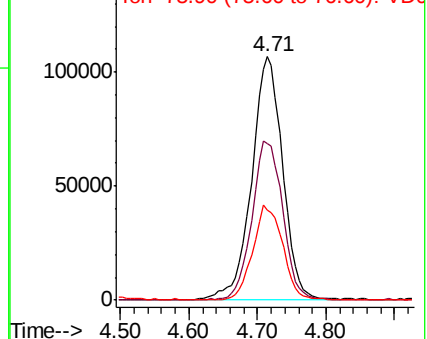
76 36.9 29.2 43.8

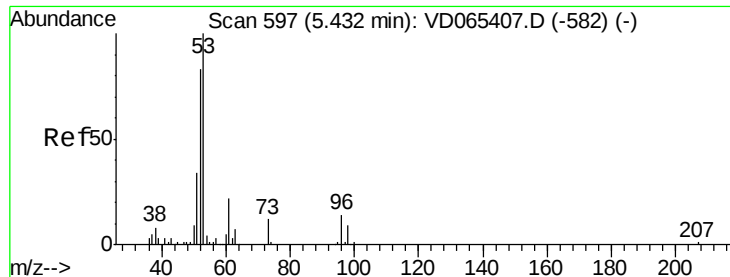


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 237.454 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

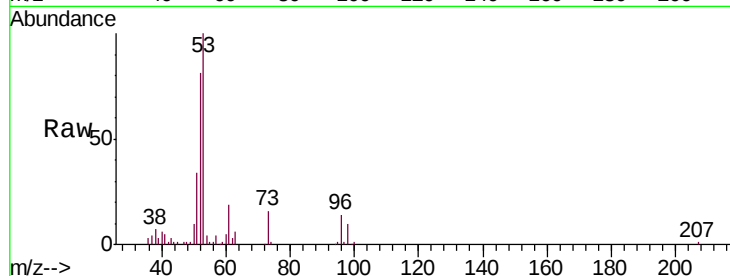
Tgt Ion: 53 Resp: 223095

Ion Ratio Lower Upper

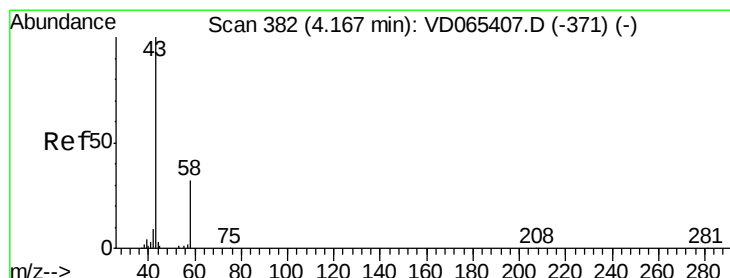
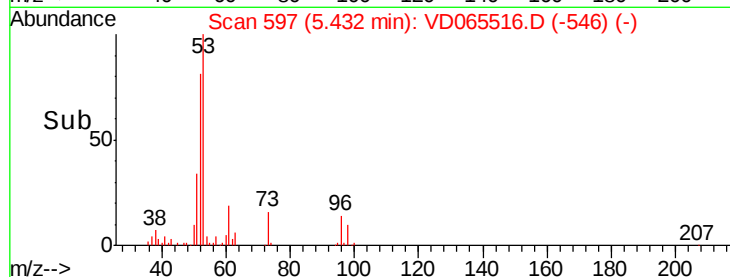
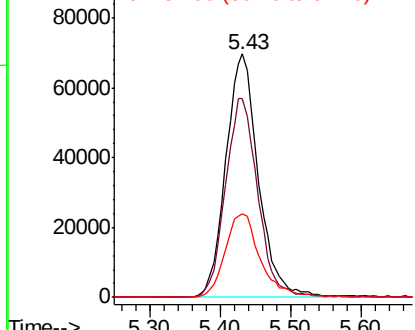
53 100

52 80.9 65.1 97.7

51 37.3 28.5 42.7



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: 230.012 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065516.D

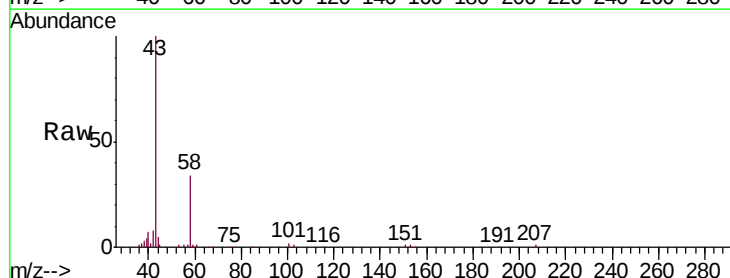
Acq: 16 Mar 2020 16:57

Tgt Ion: 43 Resp: 192159

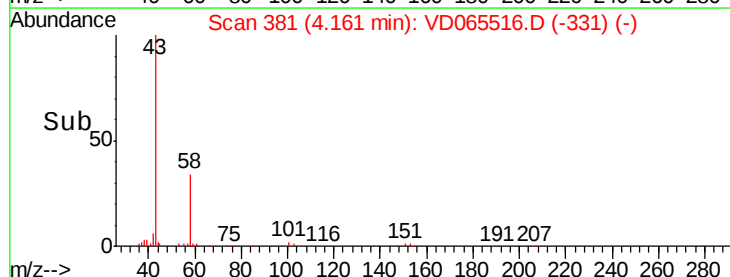
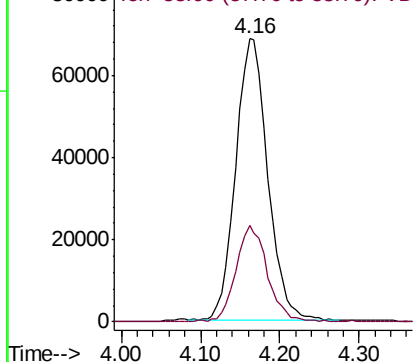
Ion Ratio Lower Upper

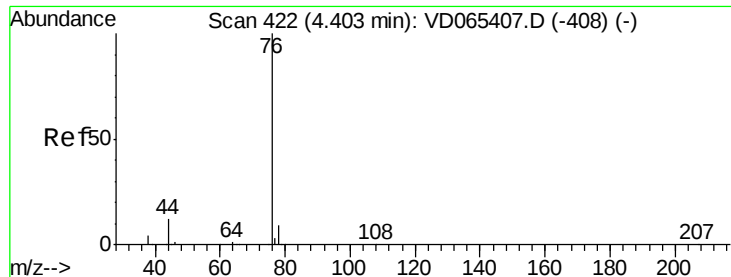
43 100

58 34.2 25.1 37.7



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

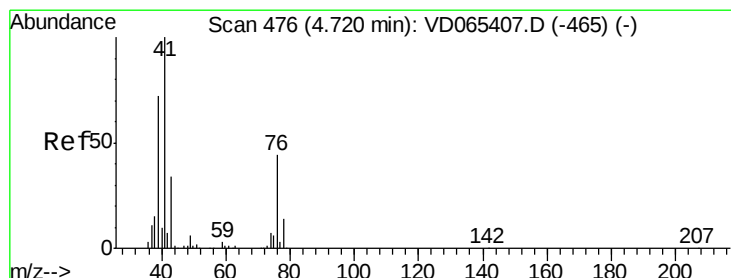
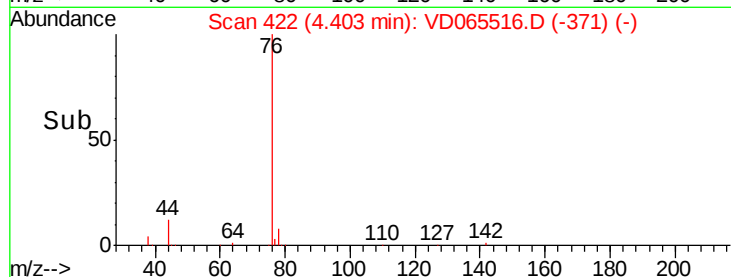
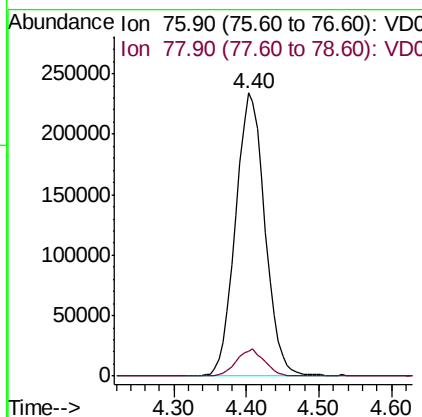
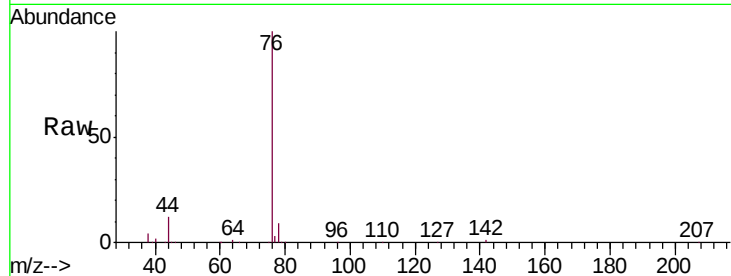




#17
Carbon Disulfide
Concen: 44.275 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

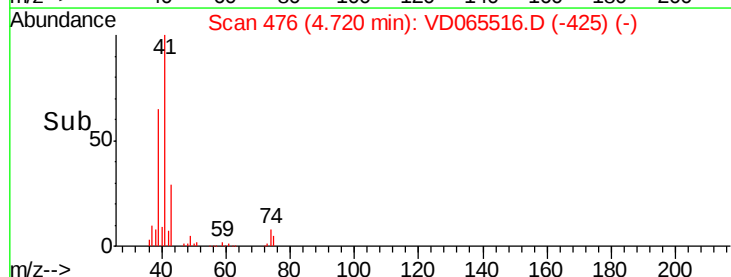
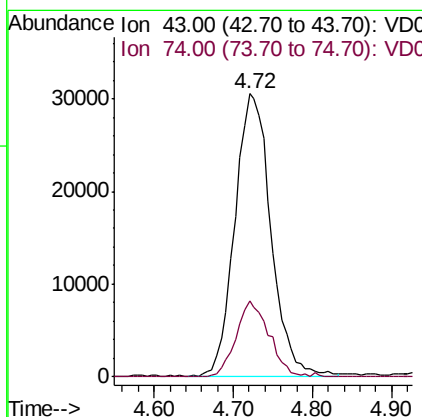
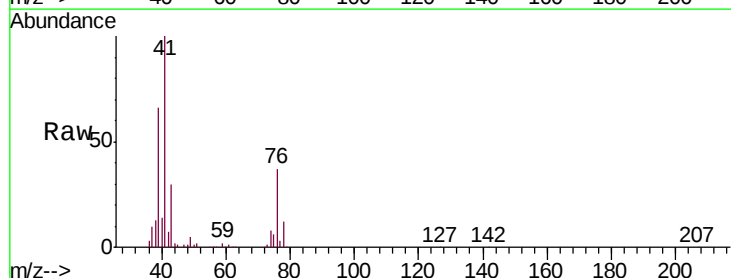
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

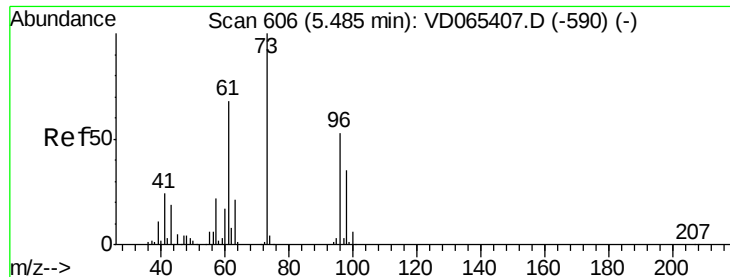
Tgt Ion: 76 Resp: 660344
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 45.675 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 43 Resp: 96795
Ion Ratio Lower Upper
43 100
74 24.5 19.6 29.4

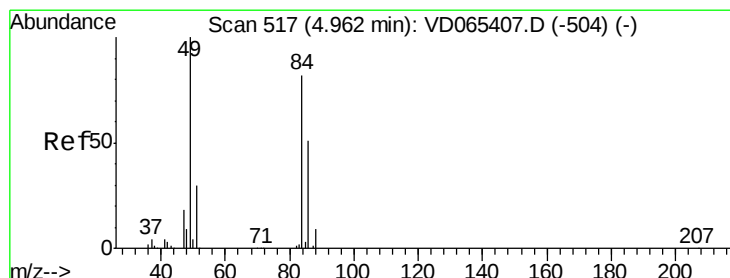
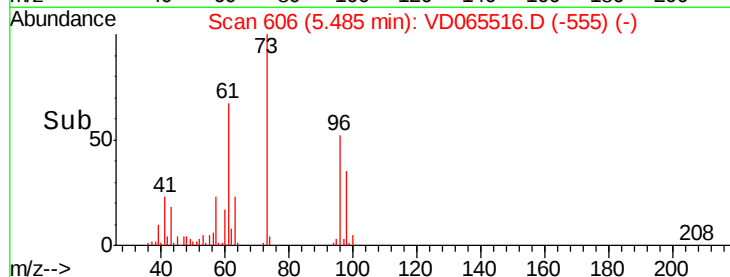
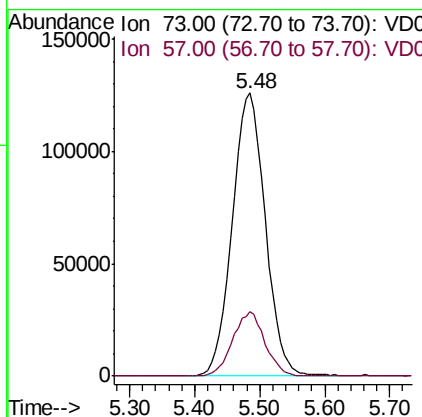
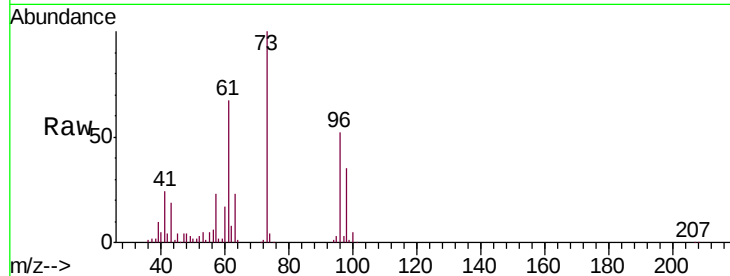




#19
Methyl tert-butyl Ether
Concen: 51.364 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

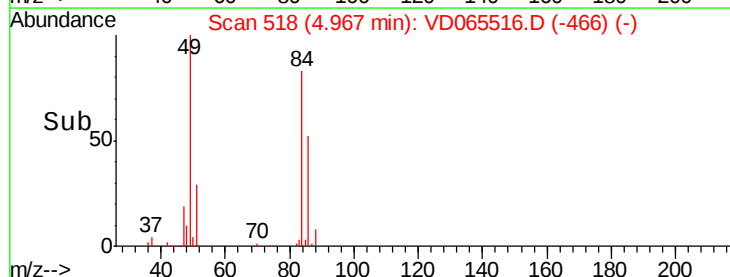
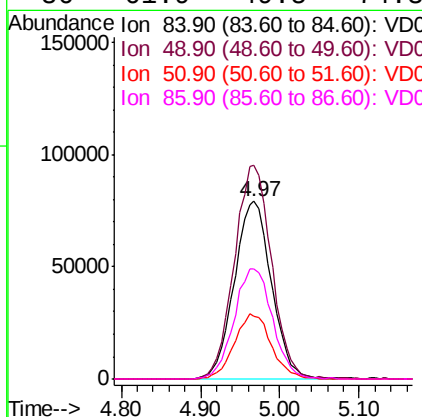
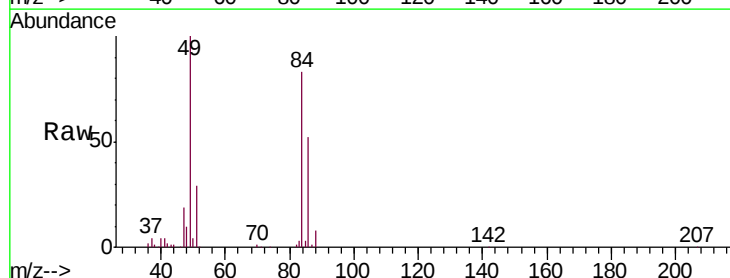
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

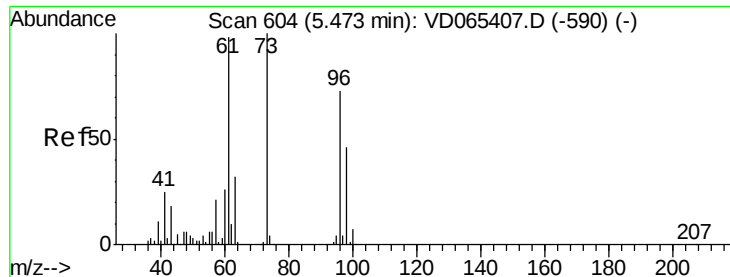
Tgt Ion: 73 Resp: 442382
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 57.301 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 84 Resp: 257676
Ion Ratio Lower Upper
84 100
49 120.2 97.7 146.5
51 35.2 28.8 43.2
86 61.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 49.410 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

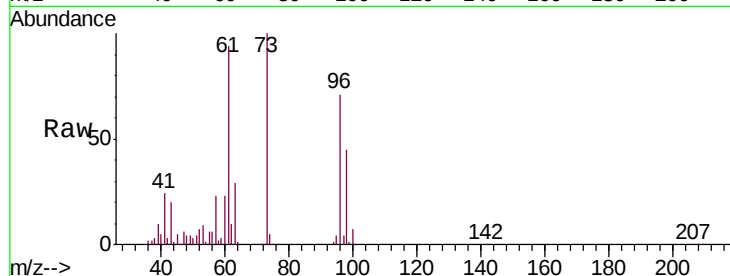
Tgt Ion: 96 Resp: 246166

Ion Ratio Lower Upper

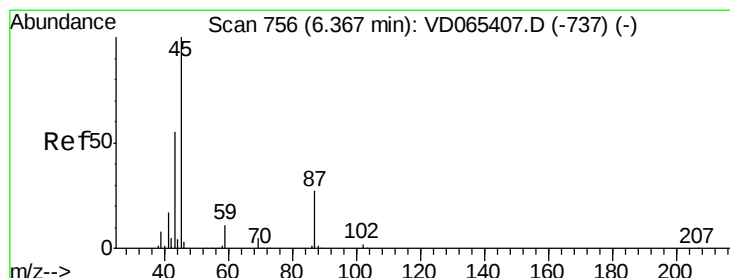
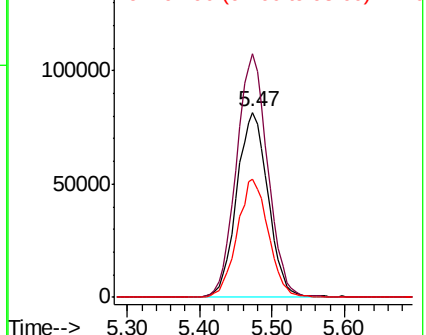
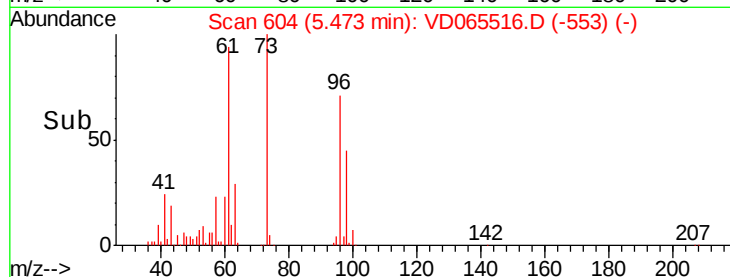
96 100

61 131.6 106.3 159.5

98 63.7 50.2 75.4



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: 53.156 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion: 45 Resp: 679833

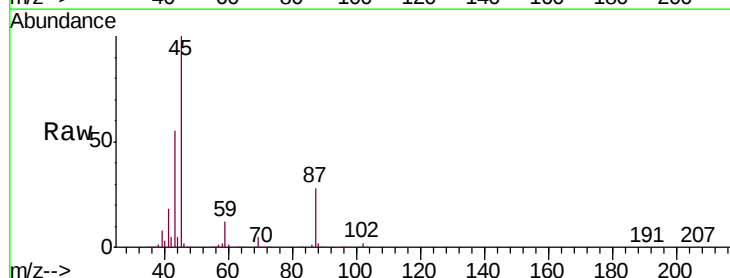
Ion Ratio Lower Upper

45 100

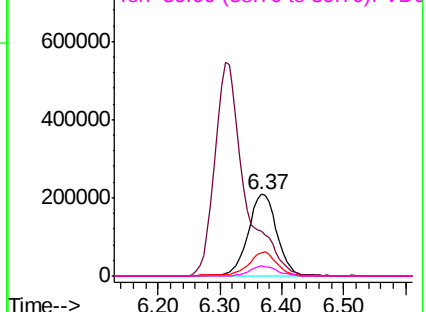
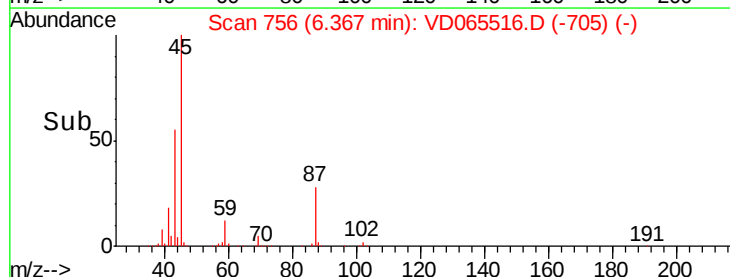
43 54.7 44.4 66.6

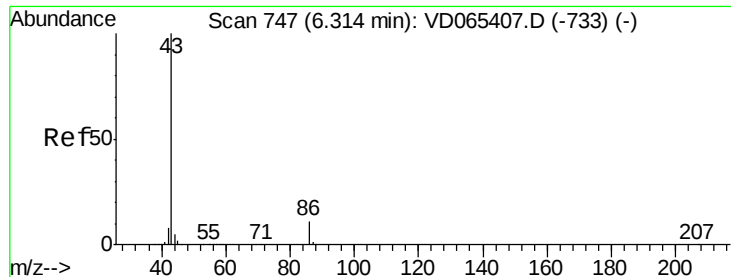
87 28.5 21.9 32.9

59 12.2 9.2 13.8



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

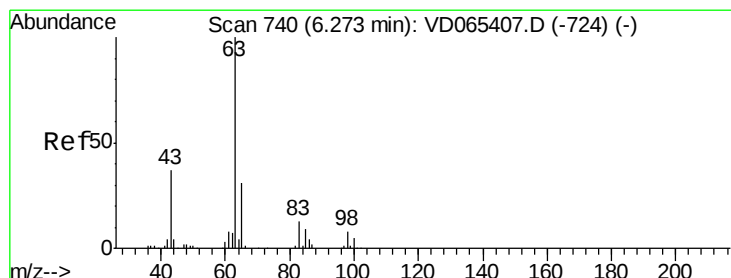
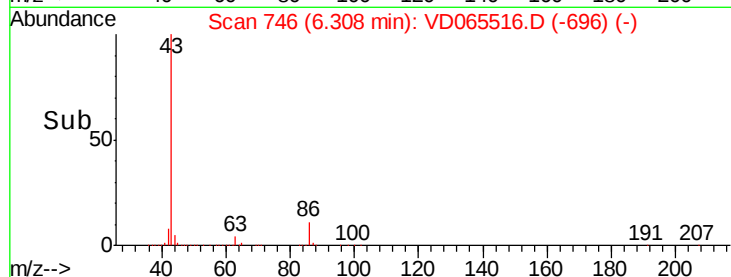
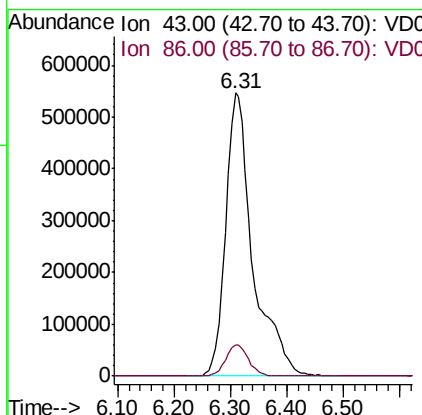
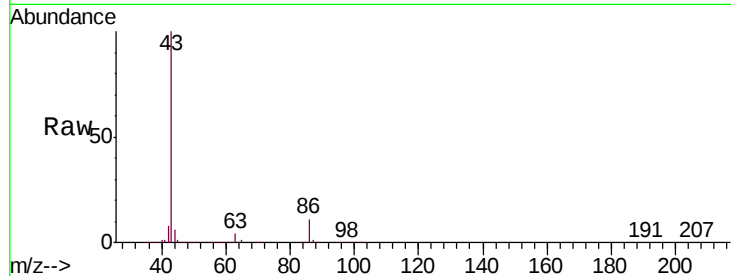




#23
 Vinyl Acetate
 Concen: 258.445 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

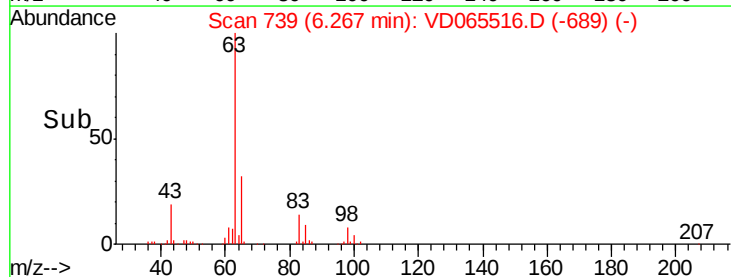
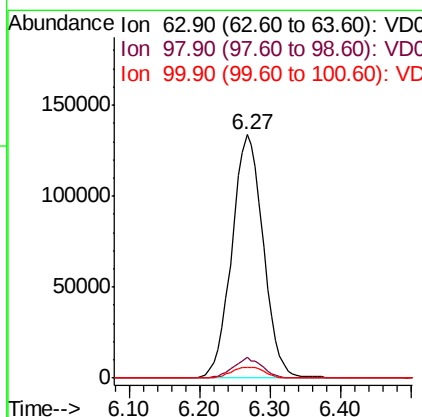
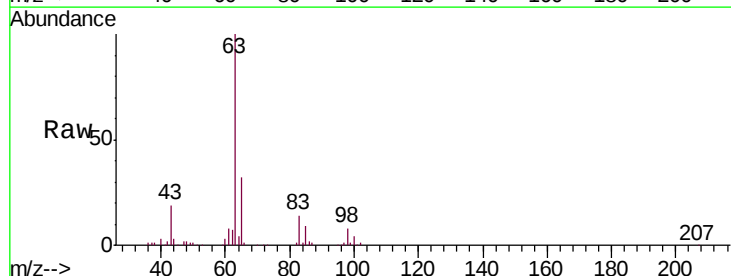
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

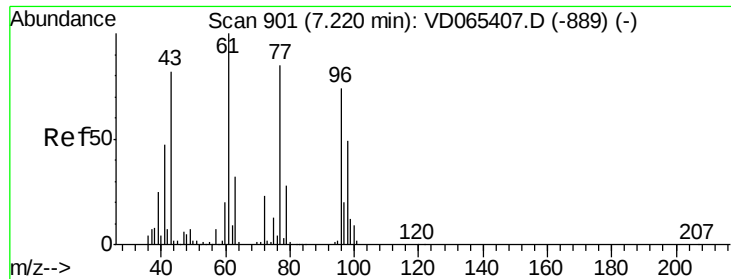
Tgt Ion: 43 Resp: 1835310
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 50.464 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion: 63 Resp: 413974
 Ion Ratio Lower Upper
 63 100
 98 8.5 4.2 12.6
 100 4.4 2.4 7.2

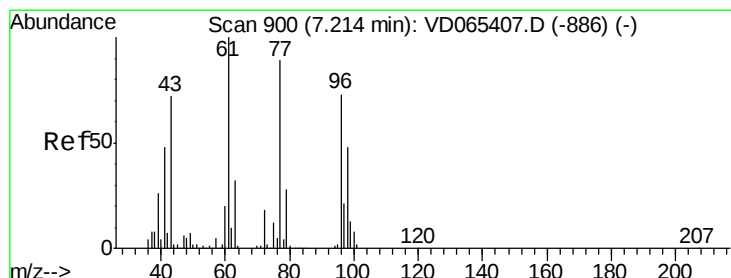
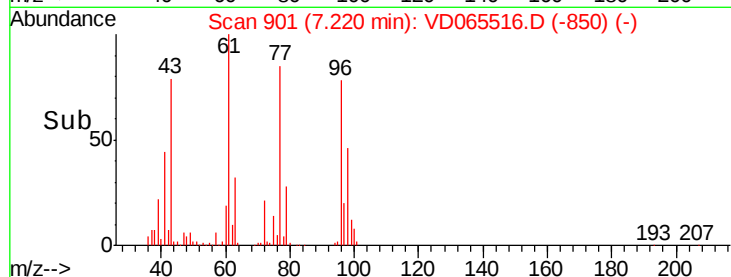
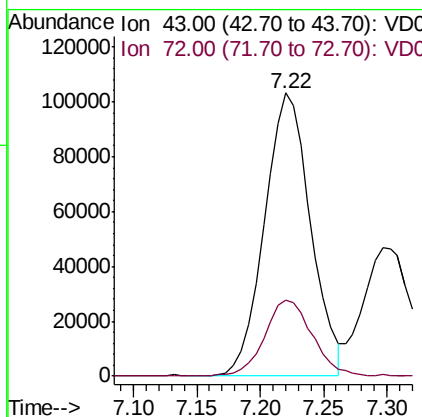
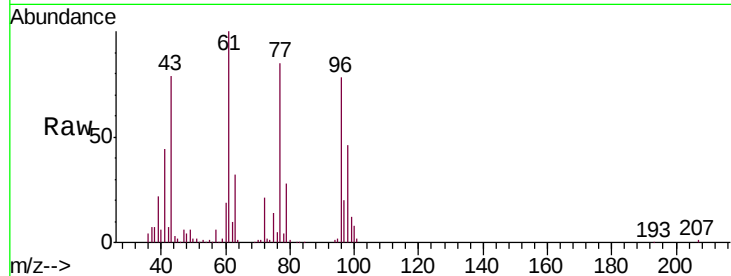




#25
2-Butanone
Concen: 227.569 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

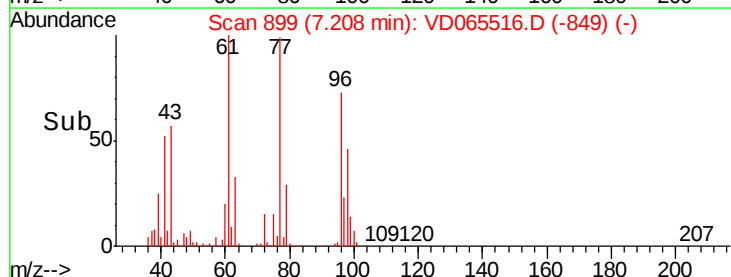
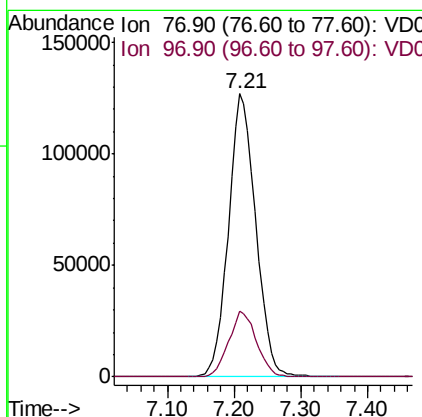
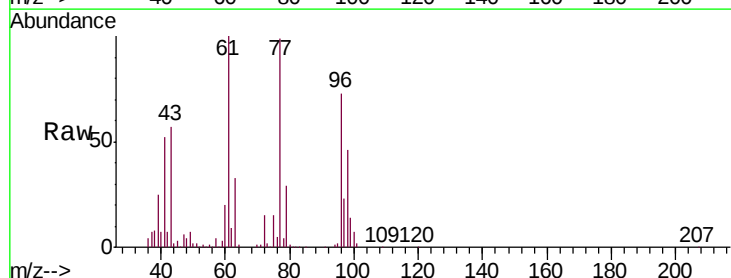
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

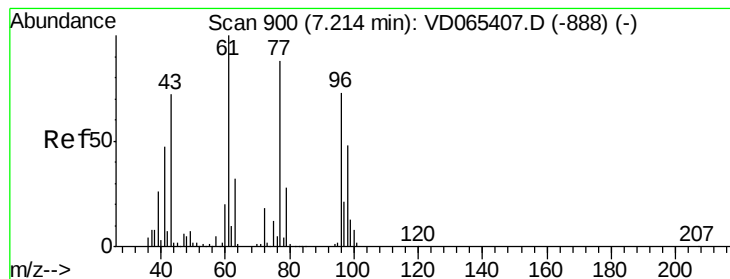
Tgt Ion: 43 Resp: 259445
Ion Ratio Lower Upper
43 100
72 27.1 22.3 33.5



#26
2,2-Dichloropropane
Concen: 50.728 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 77 Resp: 363657
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.4



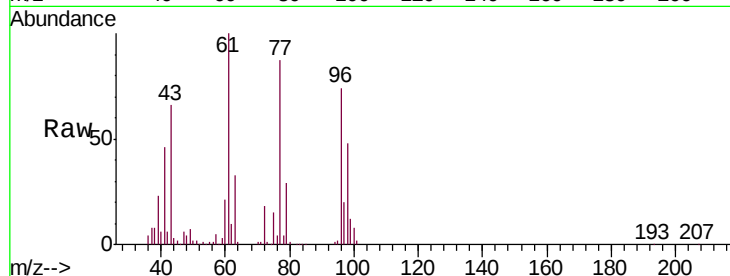


#27

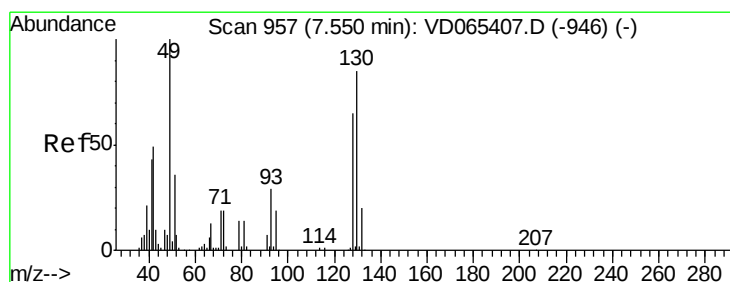
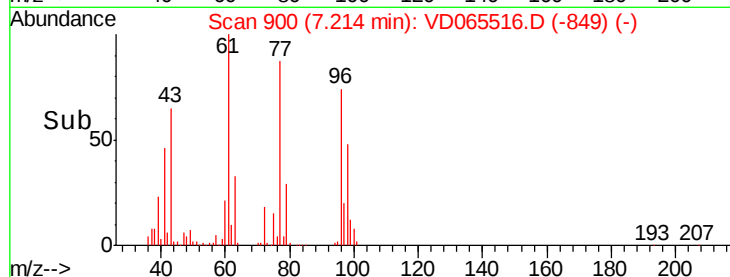
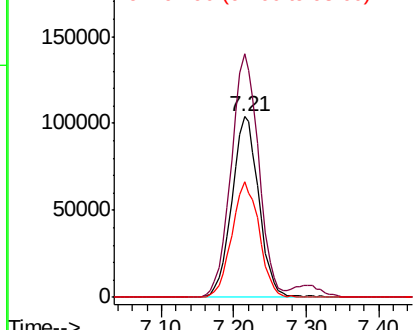
cis-1,2-Dichloroethene
Concen: 52.782 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 268789
Ion Ratio Lower Upper
96 100
61 137.6 0.0 280.4
98 64.5 0.0 132.6



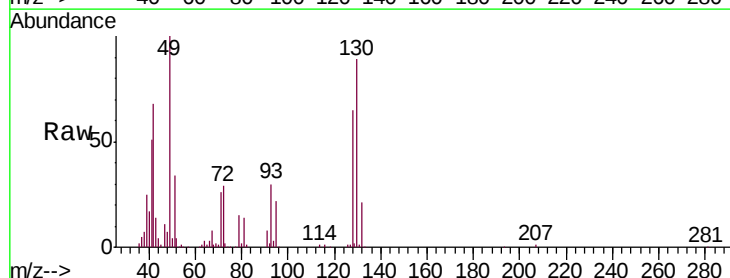
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



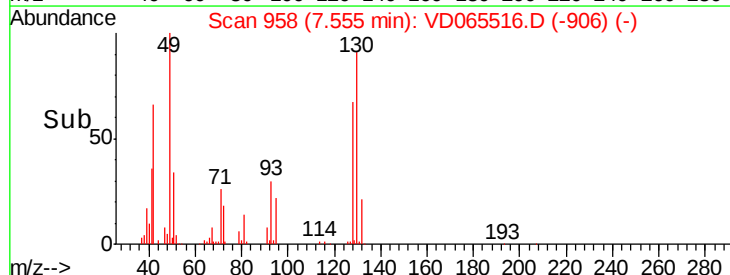
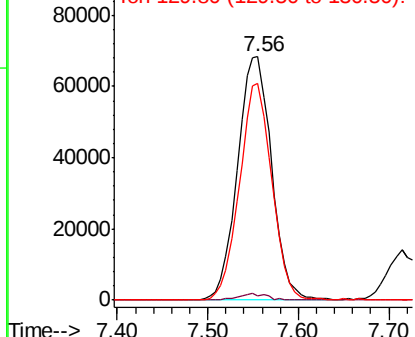
#28

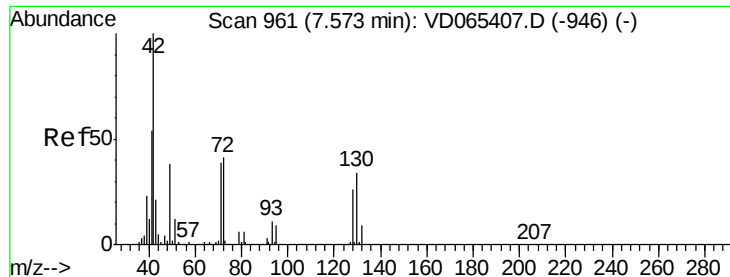
Bromochloromethane
Concen: 54.301 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 49 Resp: 178219
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 84.8 66.6 100.0



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





#29

Tetrahydrofuran

Concen: 238.872 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

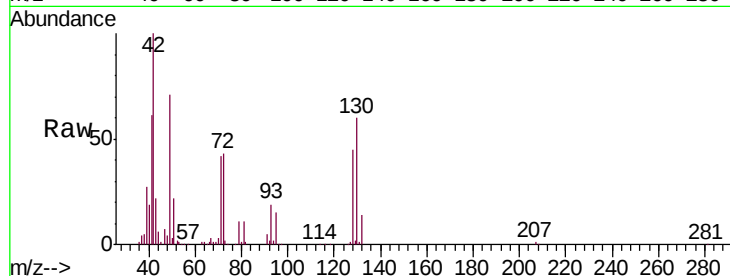
Tgt Ion: 42 Resp: 173914

Ion Ratio Lower Upper

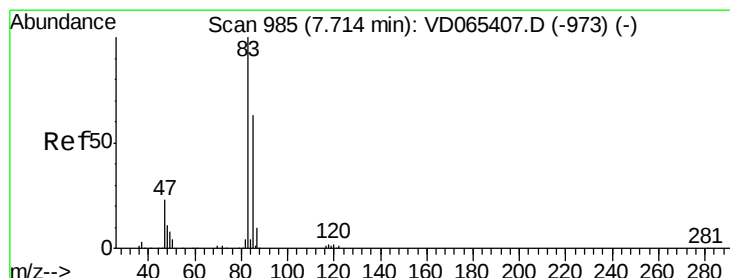
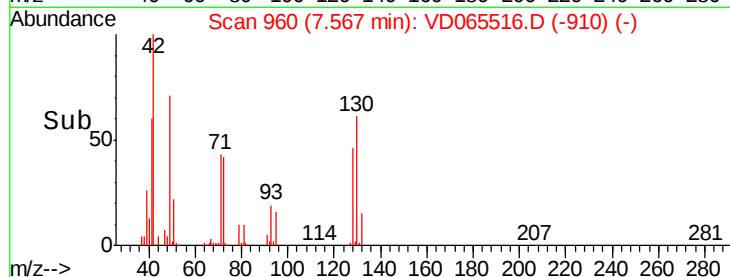
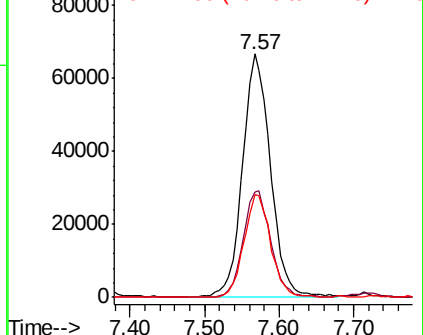
42 100

72 42.9 33.0 49.6

71 40.1 32.0 48.0



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: 51.342 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065516.D

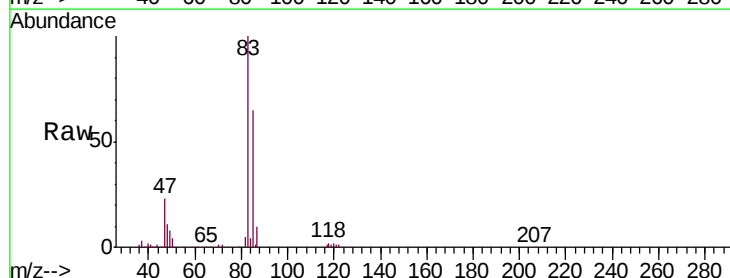
Acq: 16 Mar 2020 16:57

Tgt Ion: 83 Resp: 420972

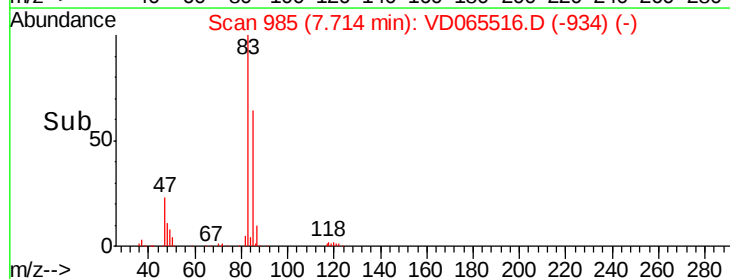
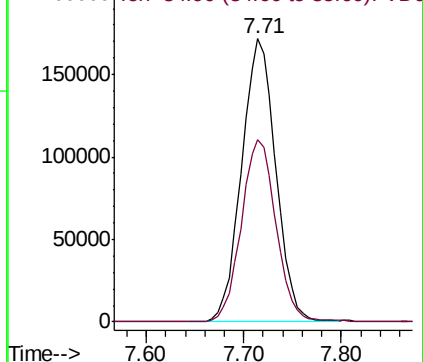
Ion Ratio Lower Upper

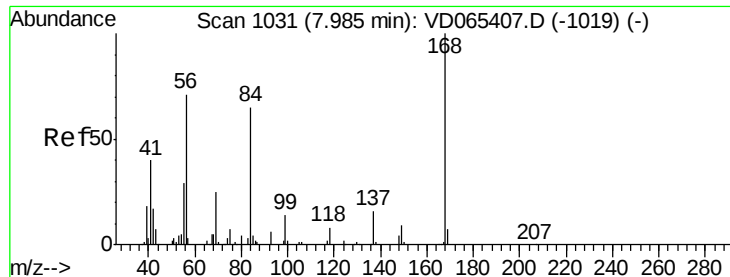
83 100

85 64.6 50.3 75.5



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

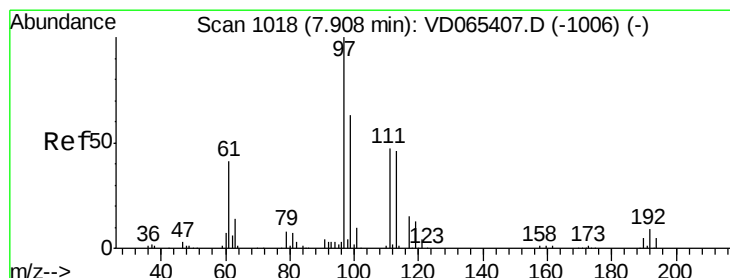
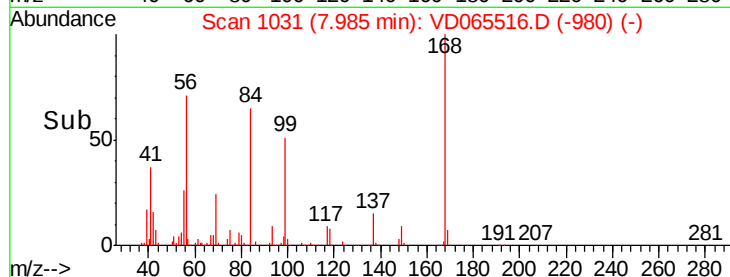
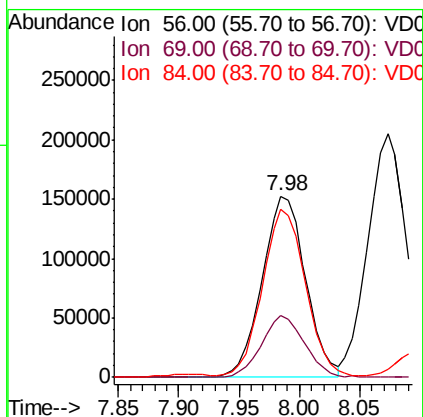
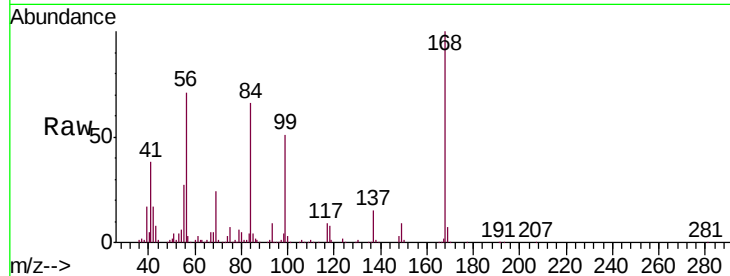




#31
Cyclohexane
Concen: 46.268 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

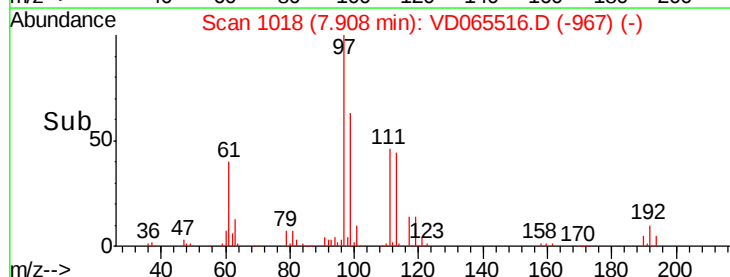
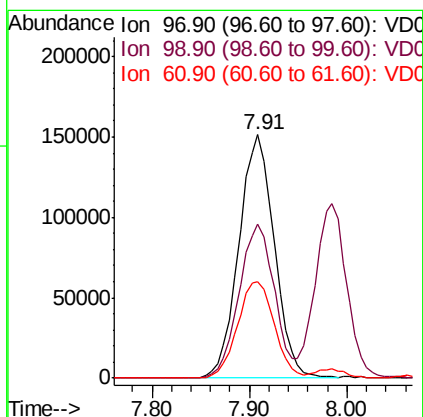
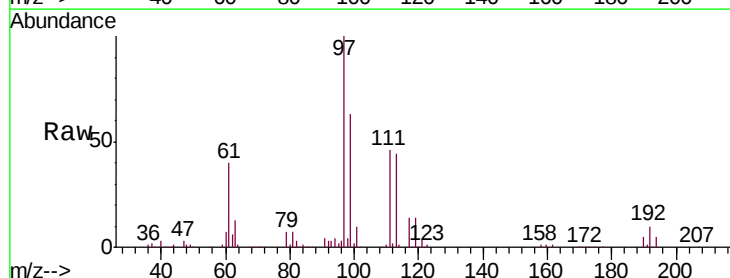
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

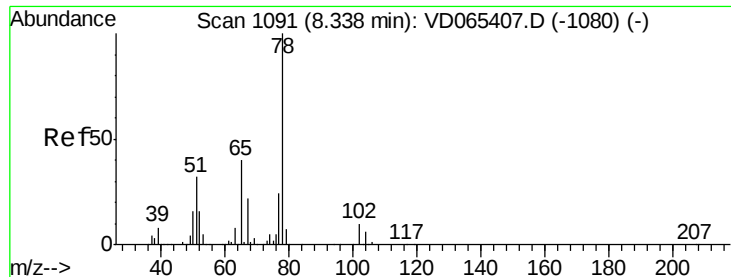
Tgt Ion: 56 Resp: 379528
Ion Ratio Lower Upper
56 100
69 33.9 28.3 42.5
84 91.1 73.1 109.7



#32
1,1,1-Trichloroethane
Concen: 50.574 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 97 Resp: 383212
Ion Ratio Lower Upper
97 100
99 63.9 50.9 76.3
61 41.1 33.2 49.8

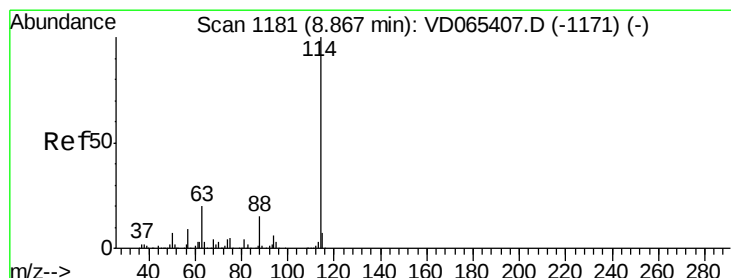
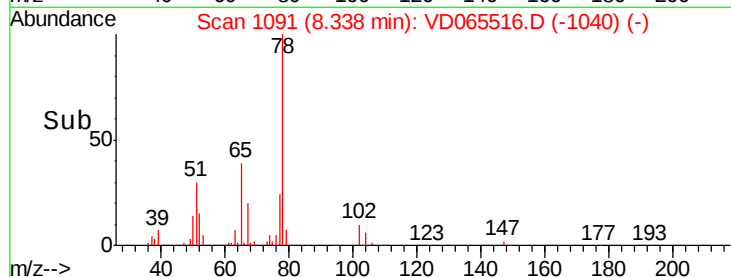
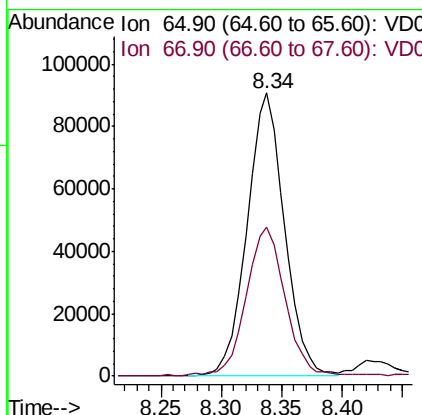
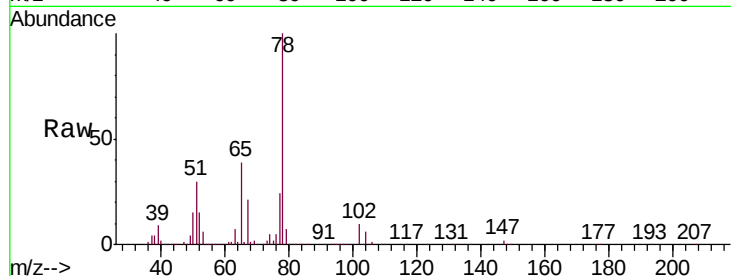




#33
 1,2-Dichloroethane-d4
 Concen: 47.515 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

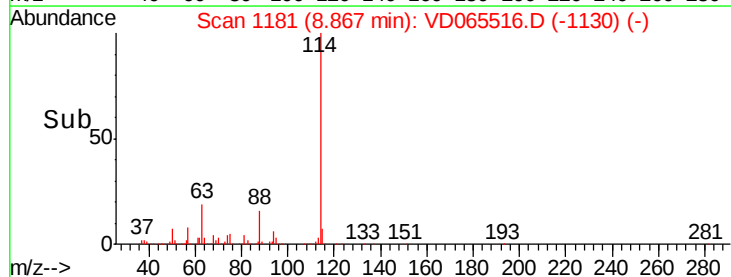
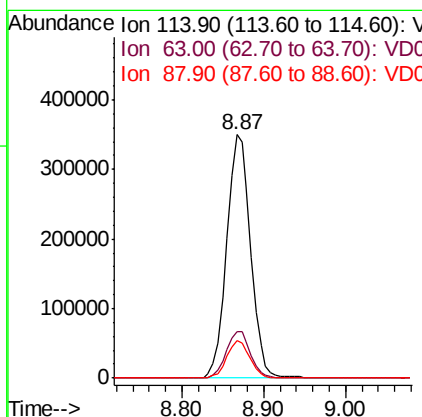
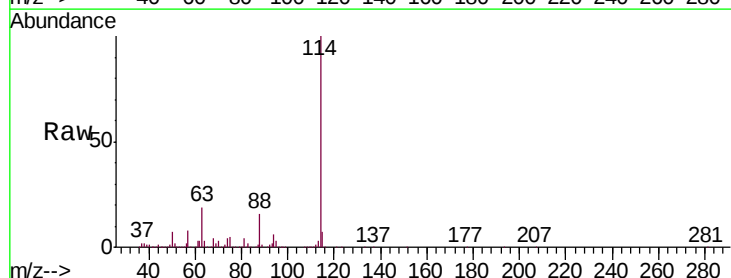
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

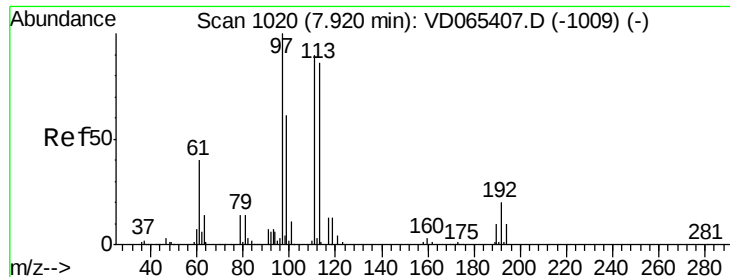
Tgt Ion: 65 Resp: 196277
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion: 114 Resp: 710120
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.6
 88 15.5 0.0 30.4

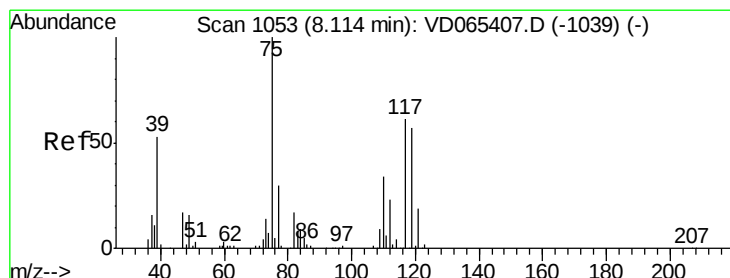
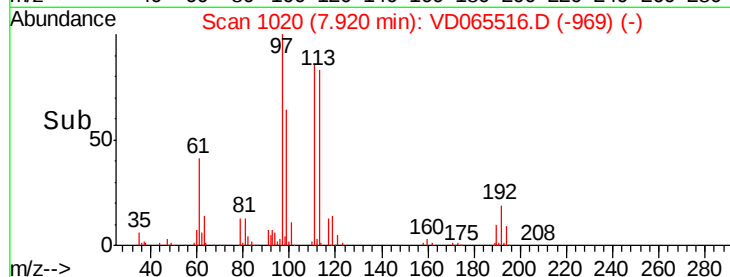
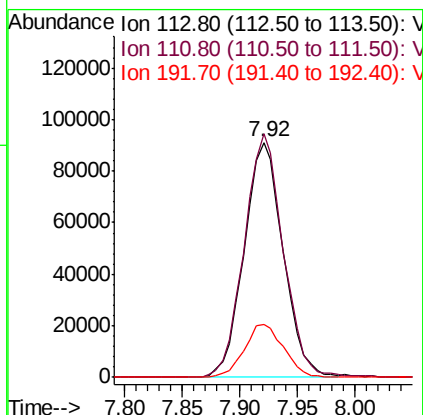
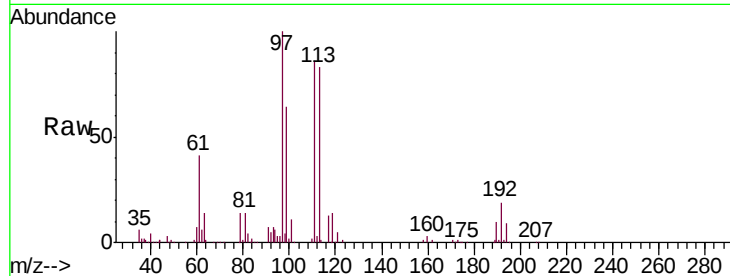




#35
 Dibromofluoromethane
 Concen: 48.855 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

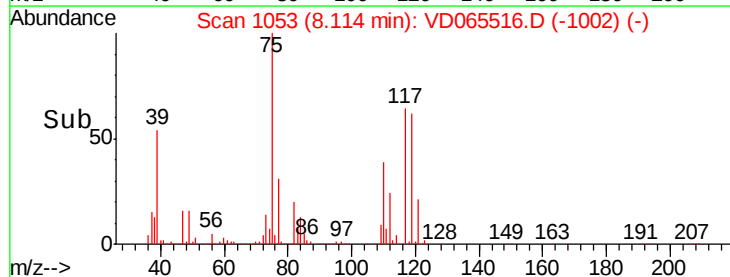
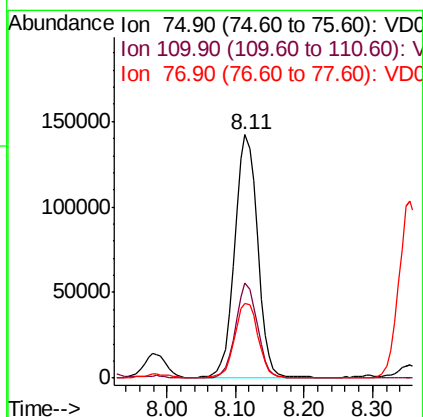
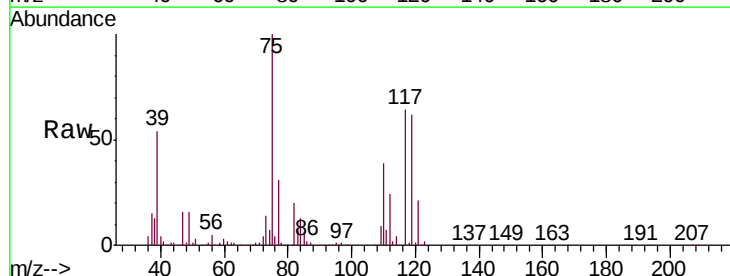
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

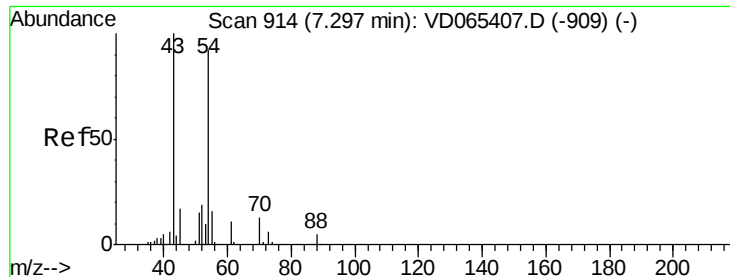
Tgt Ion: 113 Resp: 214545
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.1 123.1
 192 22.7 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 48.539 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion: 75 Resp: 330401
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.1 54.1
 77 31.5 25.2 37.8

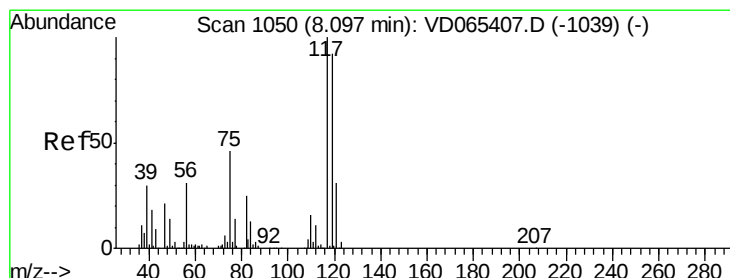
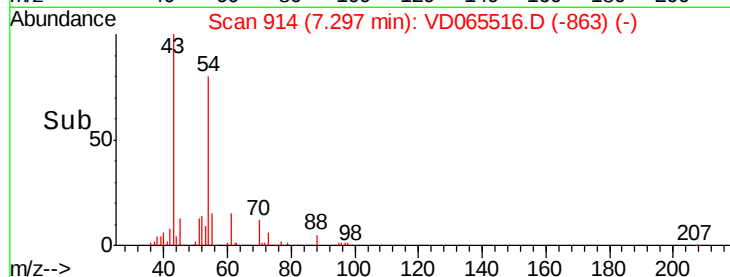
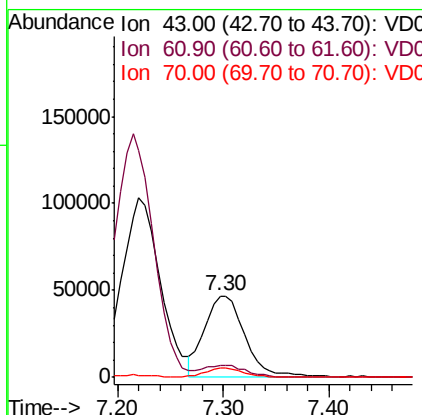
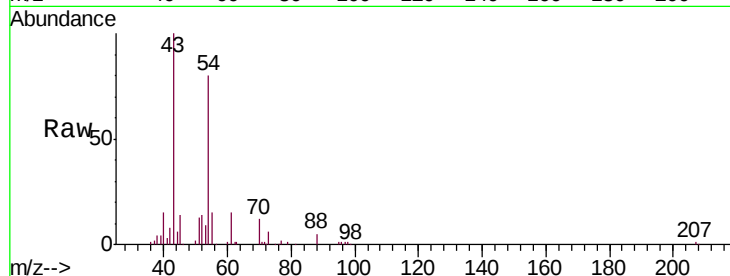




#37
 Ethyl Acetate
 Concen: 46.855 ug/l
 RT: 7.30 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

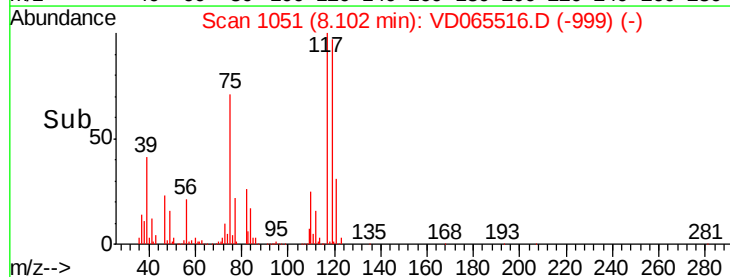
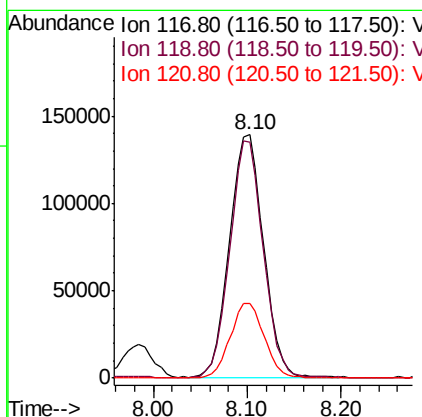
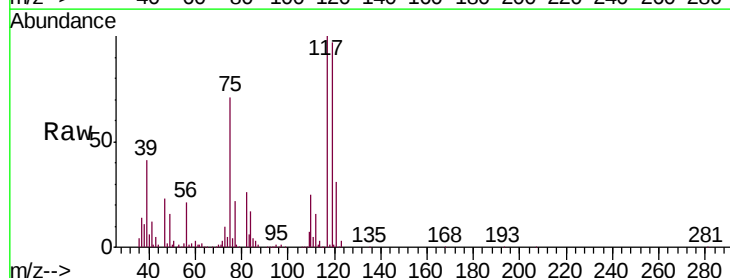
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

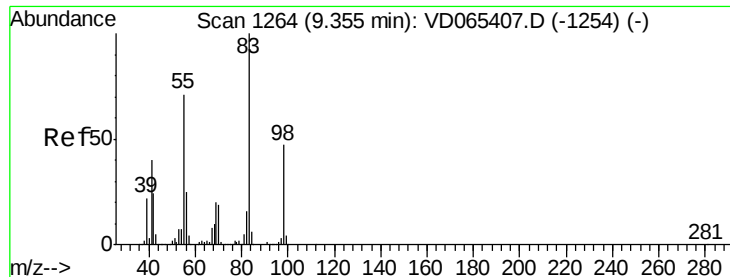
Tgt Ion: 43 Resp: 123275
 Ion Ratio Lower Upper
 43 100
 61 14.8 11.4 17.0
 70 11.3 9.0 13.4



#38
 Carbon Tetrachloride
 Concen: 49.416 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion: 117 Resp: 348812
 Ion Ratio Lower Upper
 117 100
 119 97.3 73.3 109.9
 121 31.0 25.0 37.4

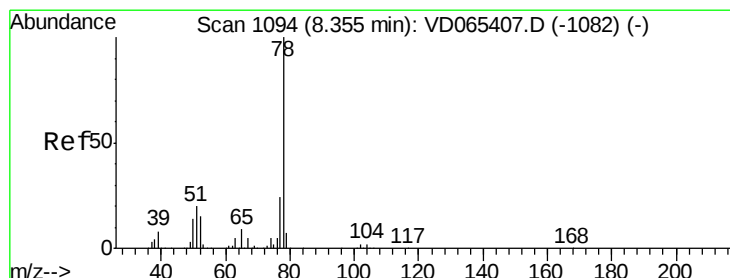
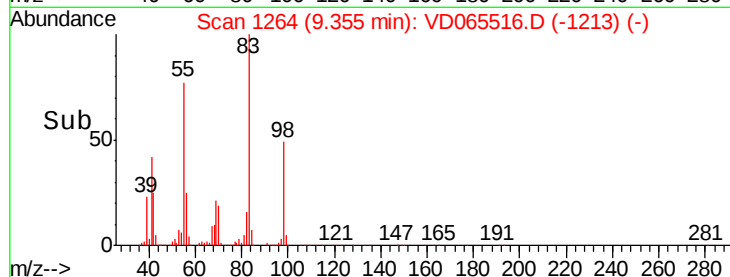
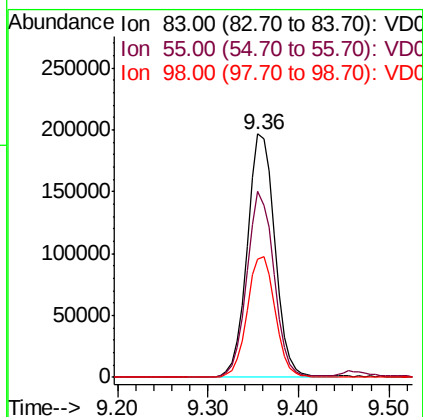
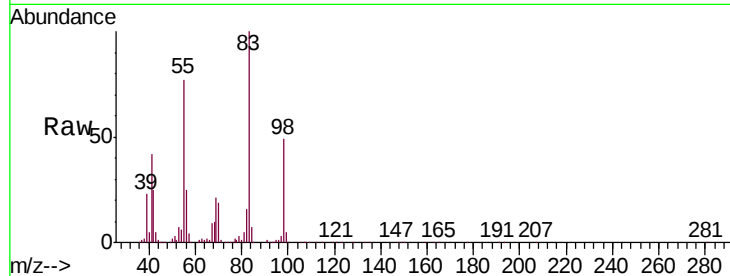




#39
Methylcyclohexane
Concen: 50.391 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

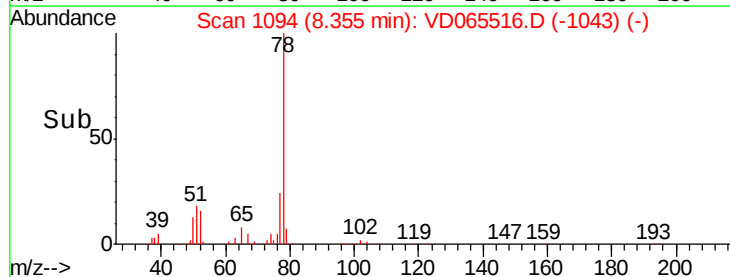
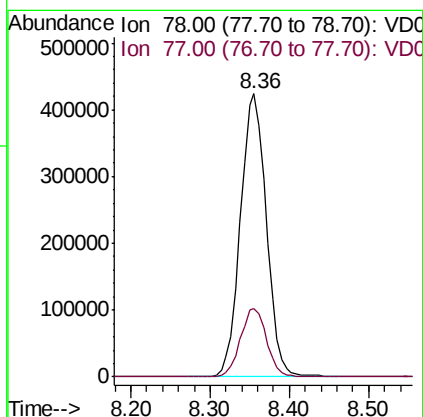
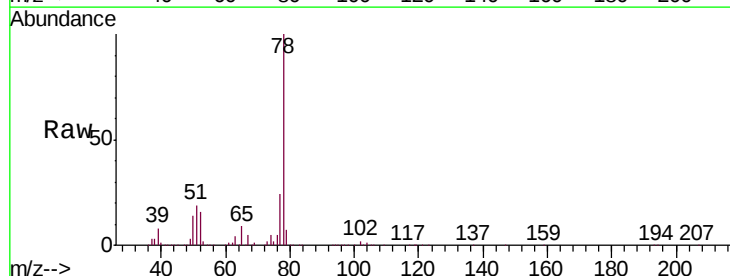
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

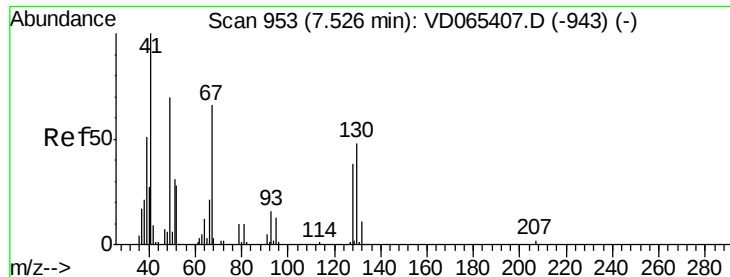
Tgt Ion: 83 Resp: 414285
Ion Ratio Lower Upper
83 100
55 76.5 57.1 85.7
98 48.8 37.8 56.8



#40
Benzene
Concen: 50.569 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 78 Resp: 962426
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.0

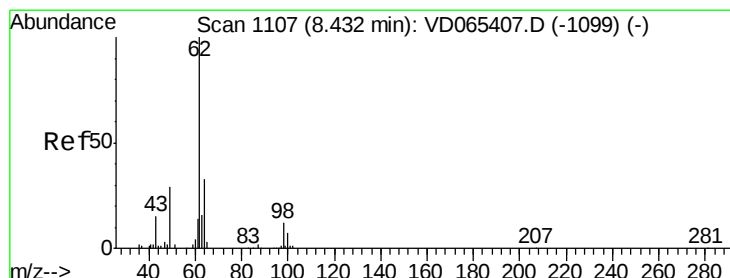
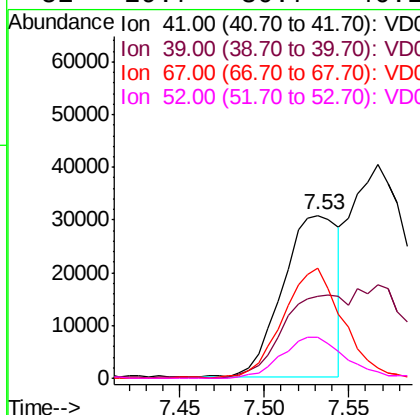
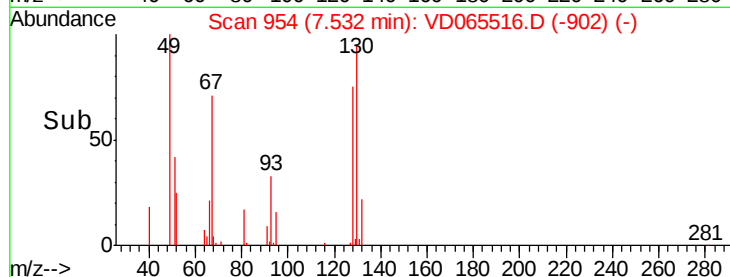
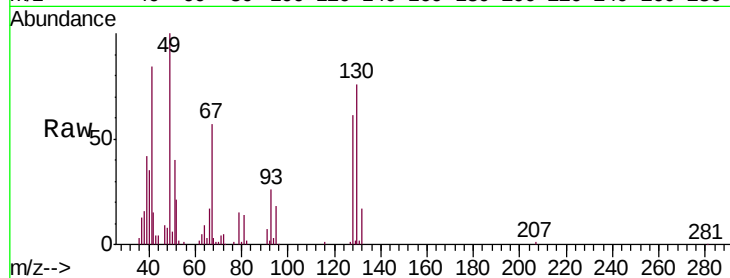




#41
Methacrylonitrile
Concen: 50.506 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

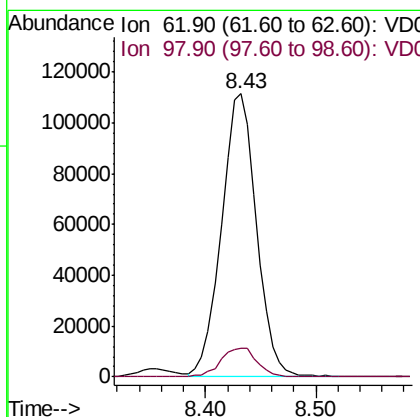
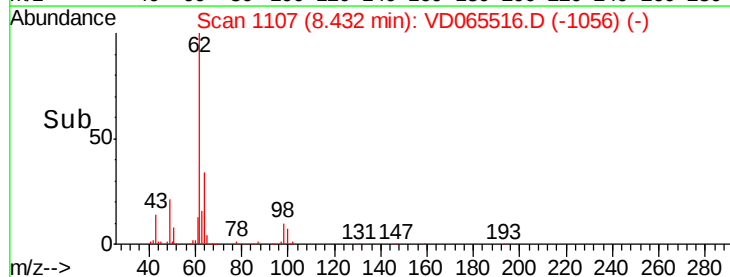
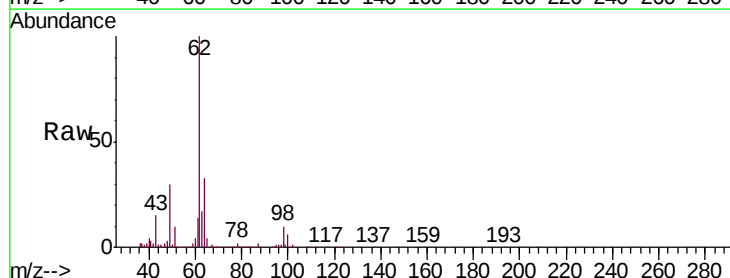
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

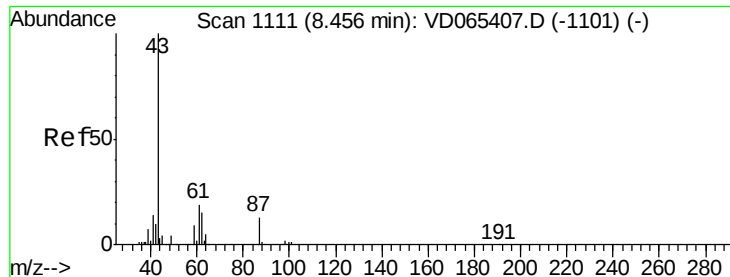
Tgt Ion: 41 Resp: 70274
Ion Ratio Lower Upper
41 100
39 59.6 55.0 82.6
67 73.5 70.3 105.5
52 29.7 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 49.369 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 62 Resp: 245349
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.4





#43

Isopropyl Acetate

Concen: 47.170 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

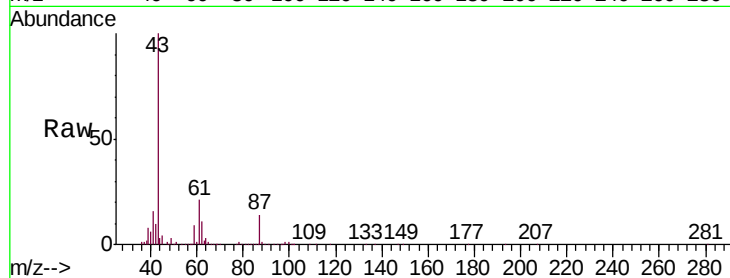
Tgt Ion: 43 Resp: 229152

Ion Ratio Lower Upper

43 100

61 32.3 25.0 37.6

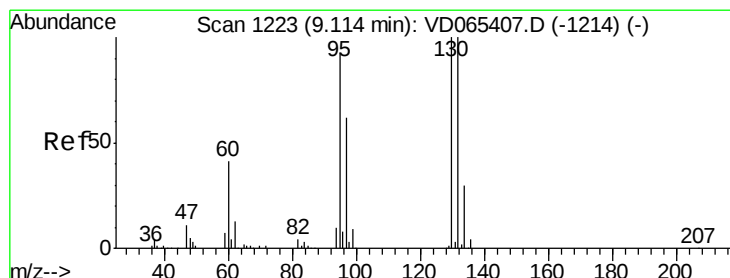
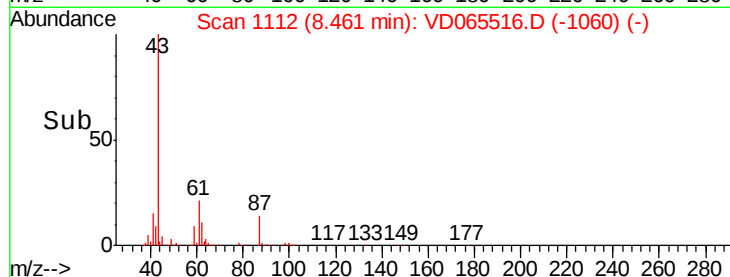
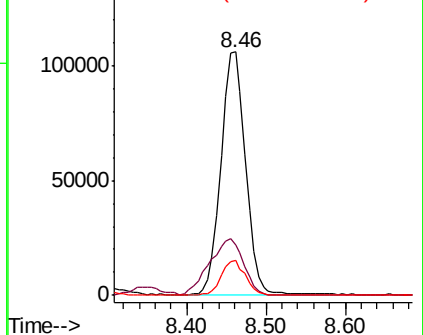
87 14.0 11.0 16.4



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: 51.173 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065516.D

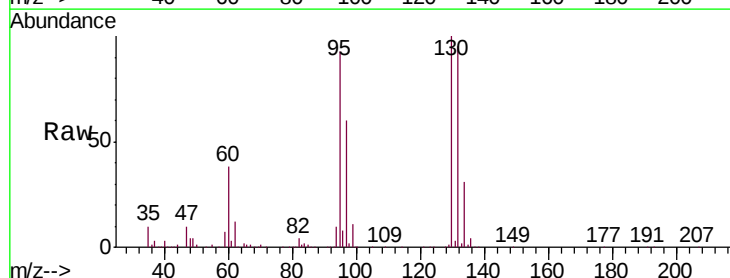
Acq: 16 Mar 2020 16:57

Tgt Ion: 130 Resp: 275042

Ion Ratio Lower Upper

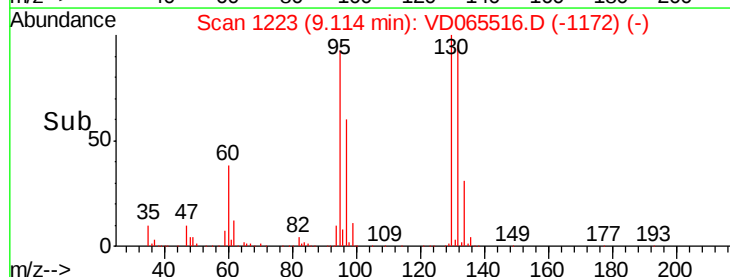
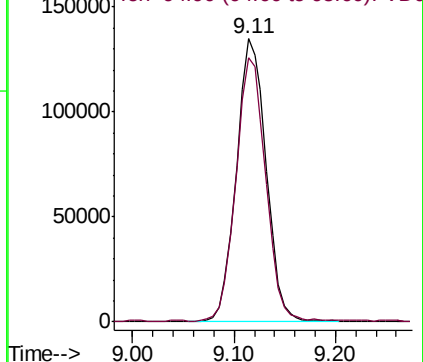
130 100

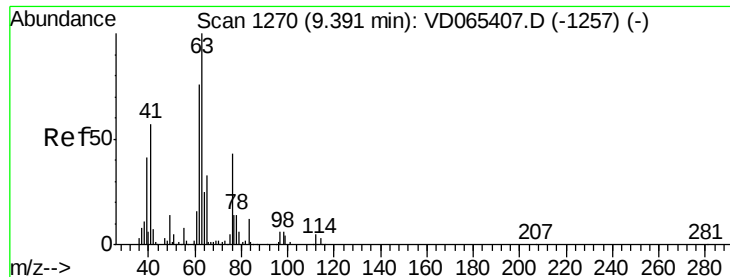
95 93.1 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

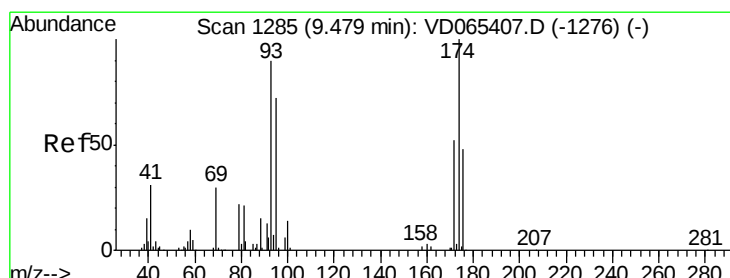
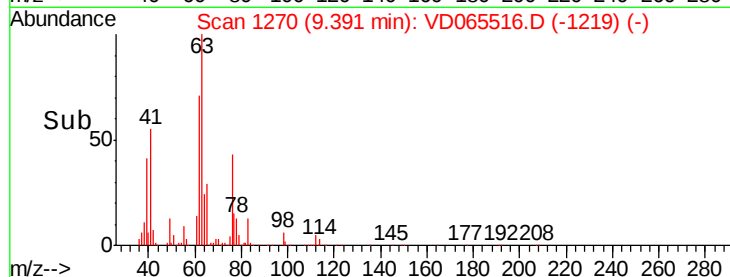
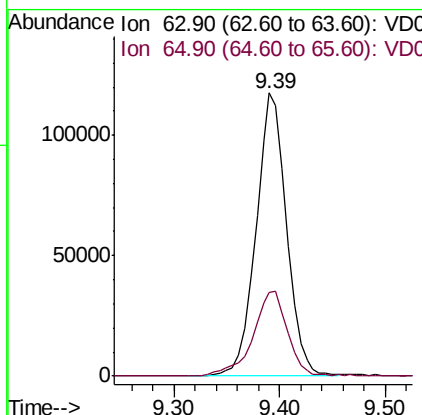
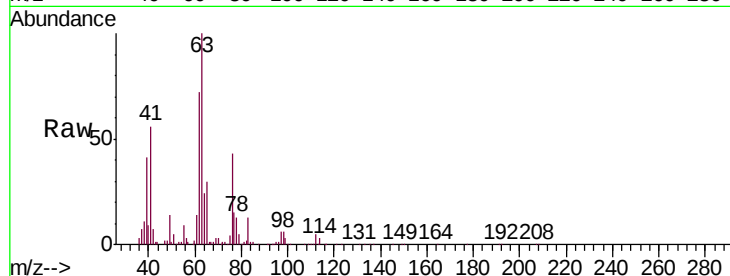




#45
 1,2-Dichloropropane
 Concen: 51.282 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

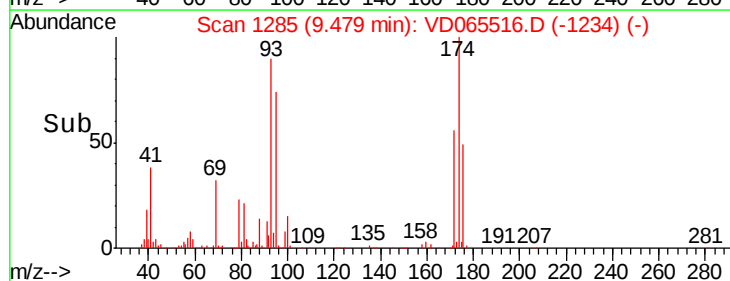
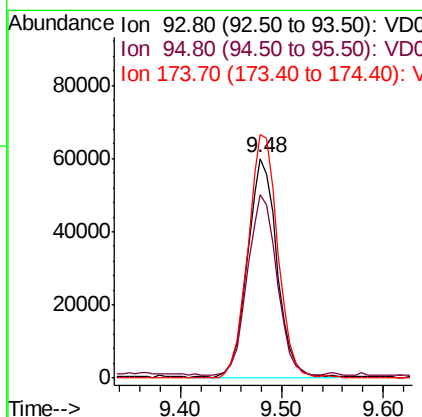
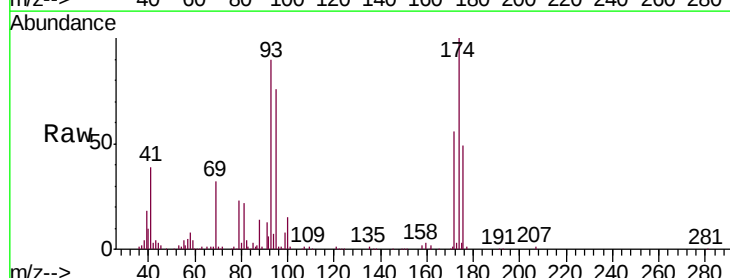
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 236419
 Ion Ratio Lower Upper
 63 100
 65 29.7 26.4 39.6



#46
 Dibromomethane
 Concen: 50.172 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion: 93 Resp: 119977
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.0 97.6
 174 113.9 88.3 132.5





#47

Bromodichloromethane

Concen: 51.105 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

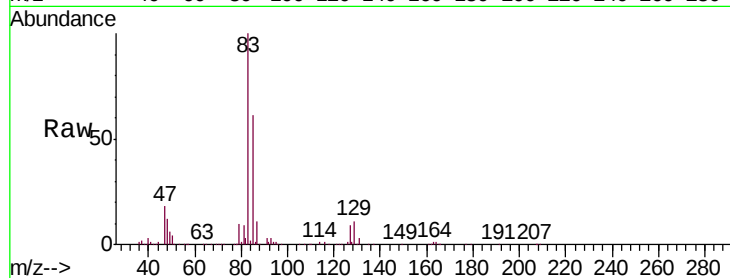
Tgt Ion: 83 Resp: 317933

Ion Ratio Lower Upper

83 100

85 61.5 52.8 79.2

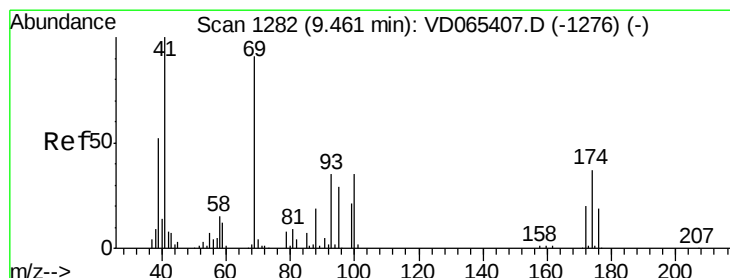
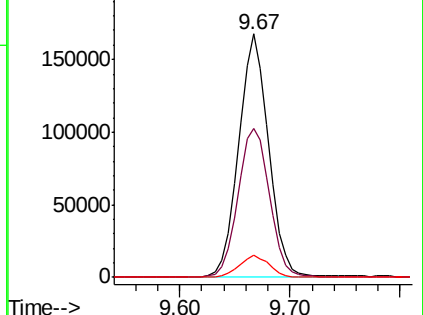
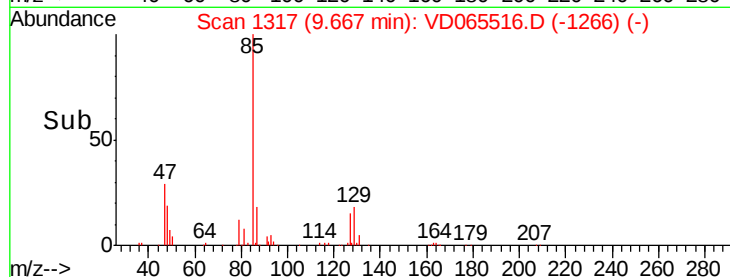
127 9.0 8.0 12.0



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



#48

Methyl methacrylate

Concen: 48.650 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

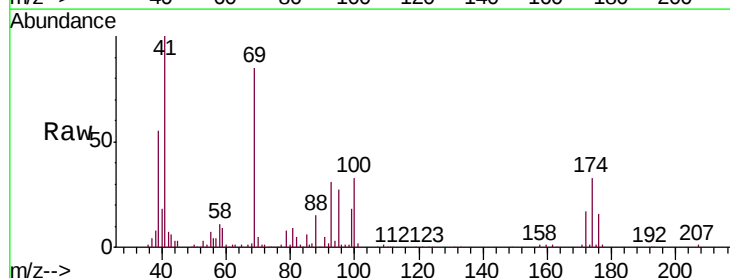
Tgt Ion: 41 Resp: 111173

Ion Ratio Lower Upper

41 100

69 92.0 72.5 108.7

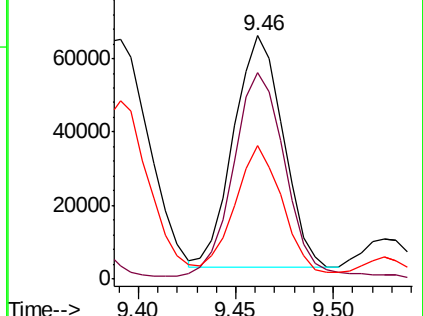
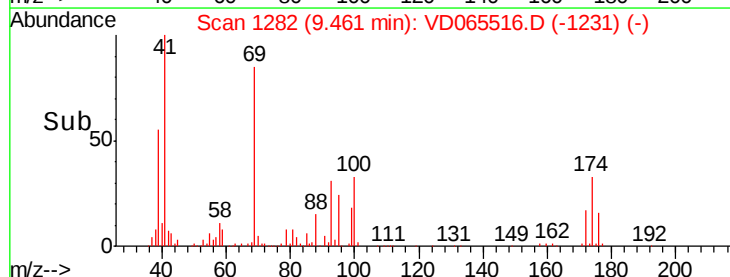
39 51.2 41.6 62.4

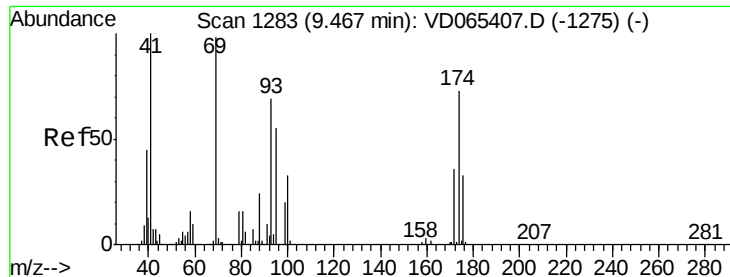


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 929.472 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

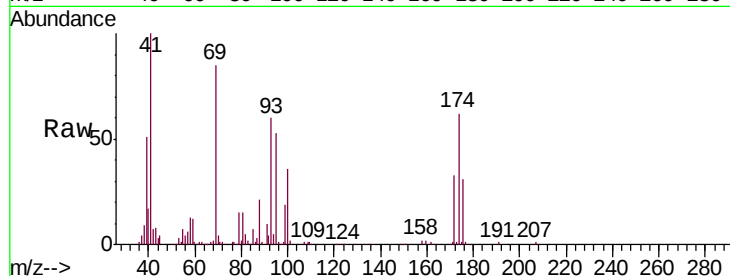
Tgt Ion: 88 Resp: 25424

Ion Ratio Lower Upper

88 100

43 32.7 24.5 36.7

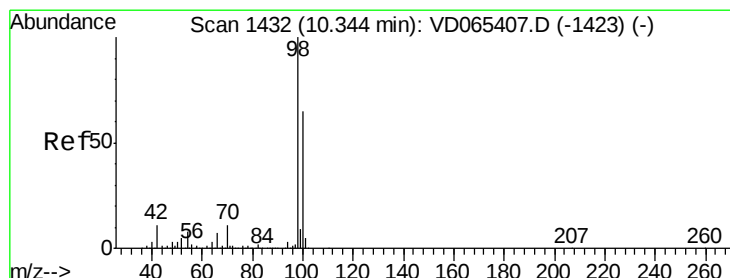
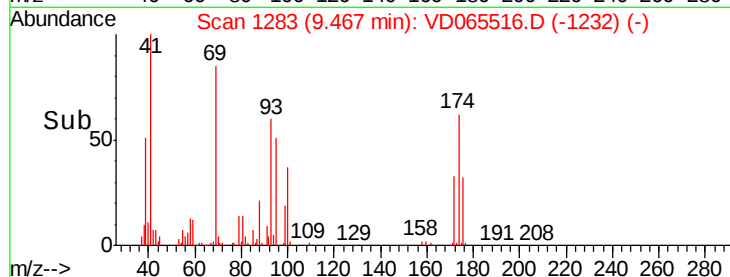
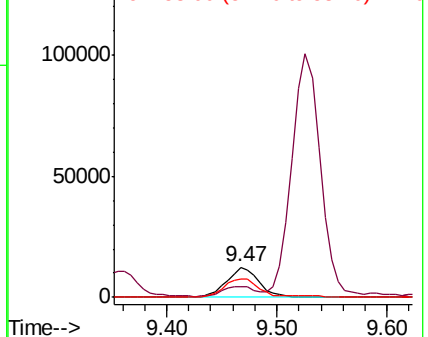
58 65.6 54.5 81.7



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: 49.816 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065516.D

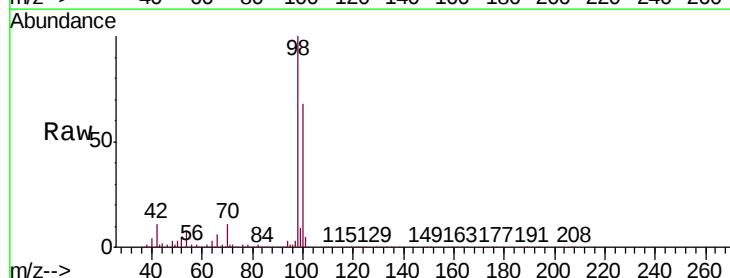
Acq: 16 Mar 2020 16:57

Tgt Ion: 98 Resp: 839264

Ion Ratio Lower Upper

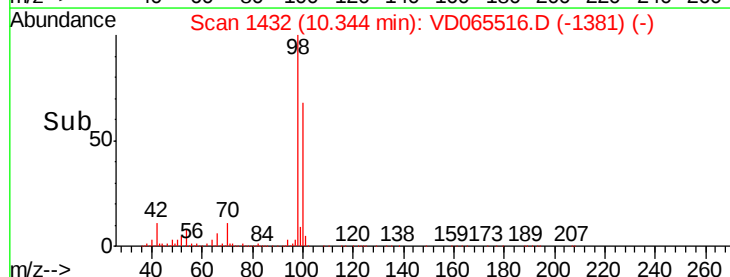
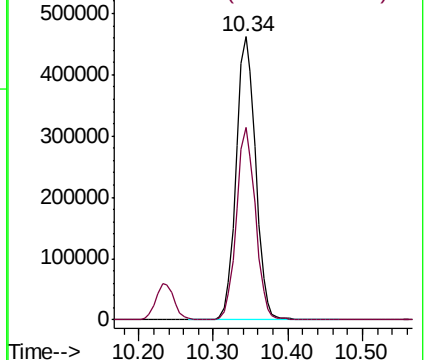
98 100

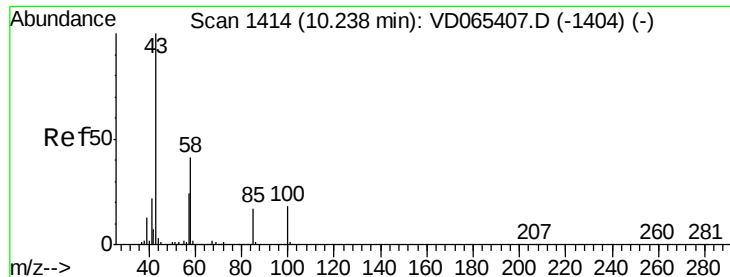
100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

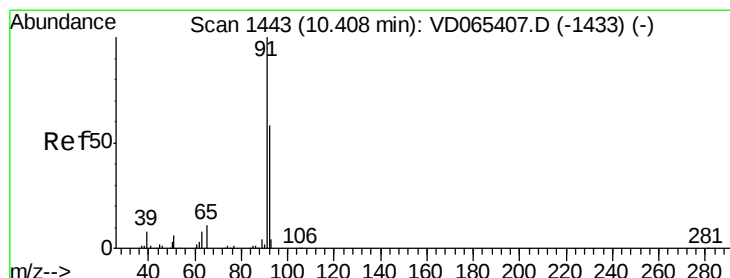
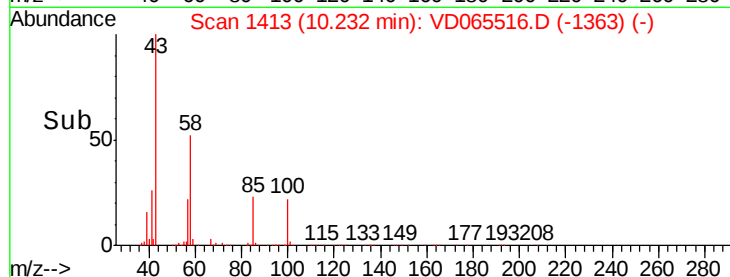
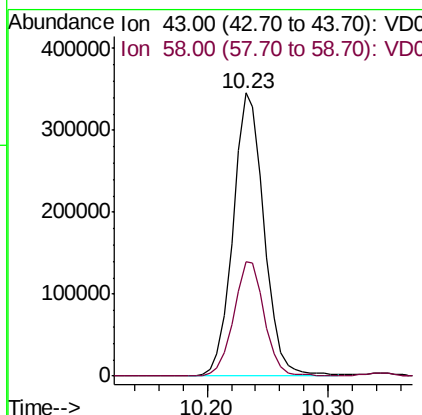
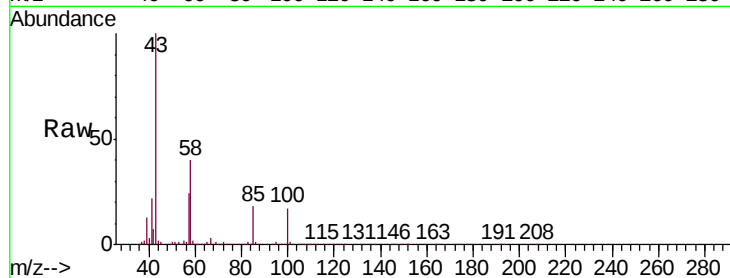




#51
 4-Methyl-2-Pentanone
 Concen: 251.217 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

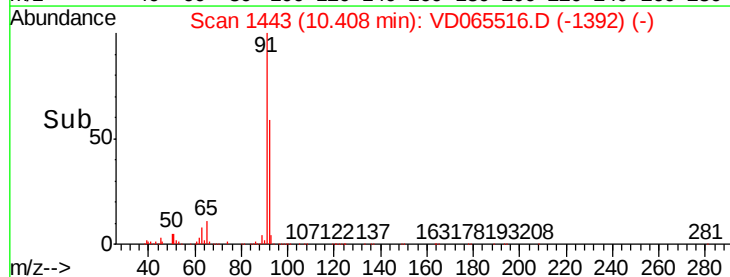
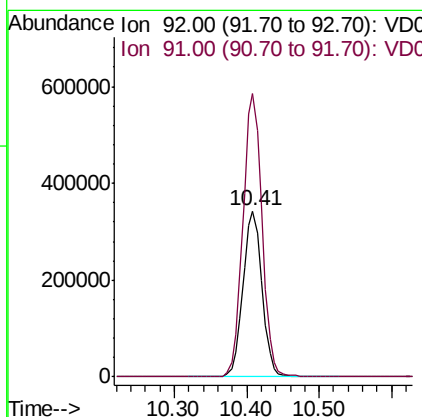
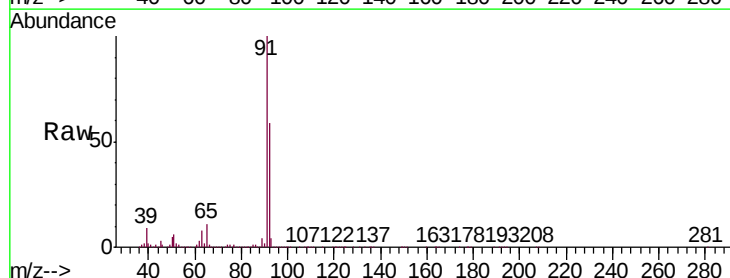
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

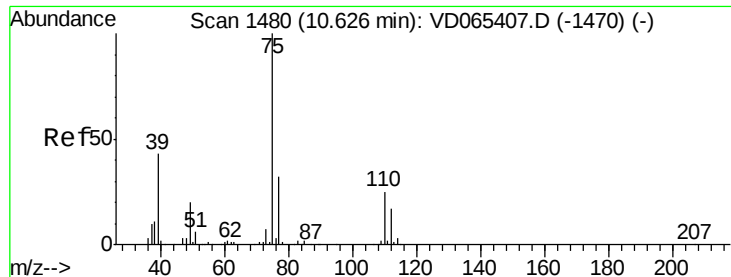
Tgt Ion: 43 Resp: 614132
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.8 47.6



#52
 Toluene
 Concen: 52.074 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion: 92 Resp: 624348
 Ion Ratio Lower Upper
 92 100
 91 171.4 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 52.325 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

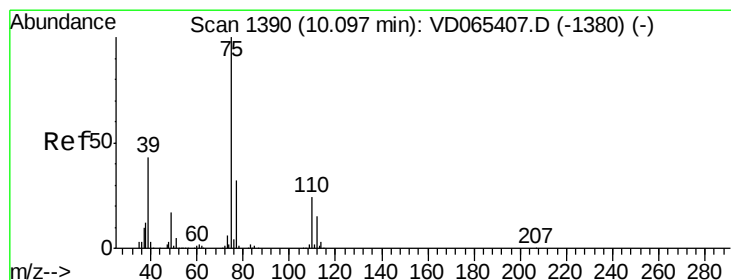
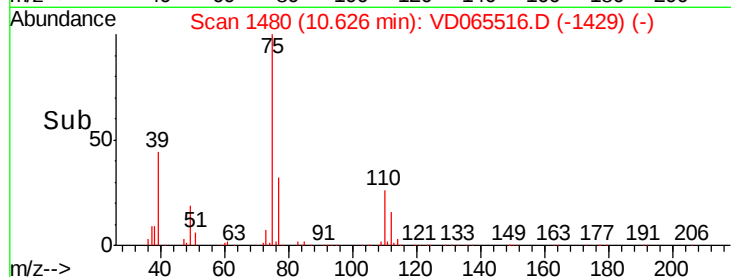
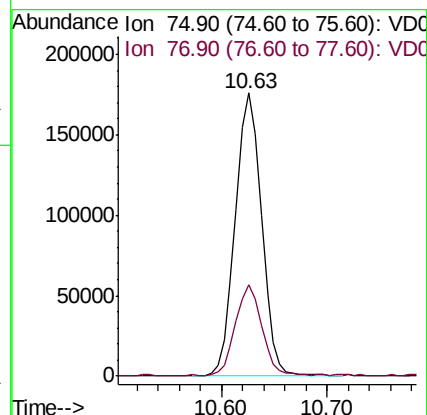
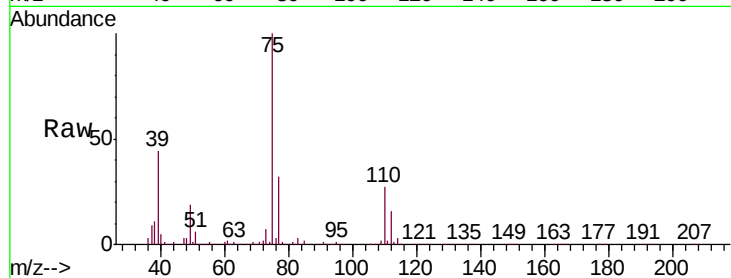
VSTDCCC050EC

Tgt Ion: 75 Resp: 304204

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.125 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

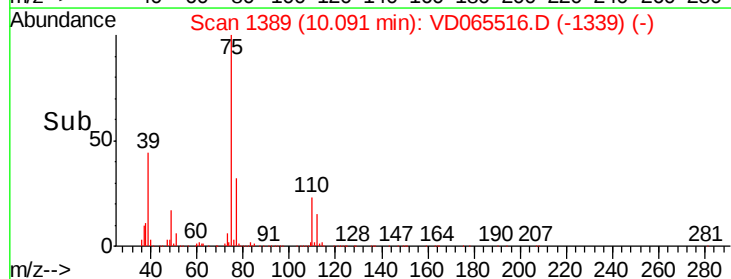
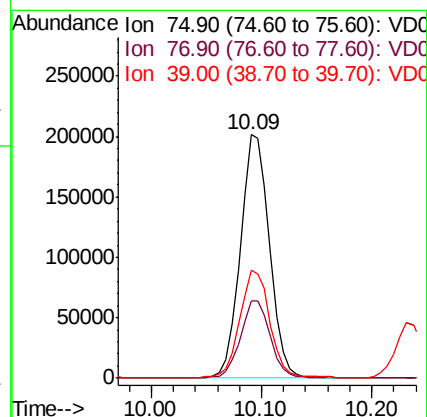
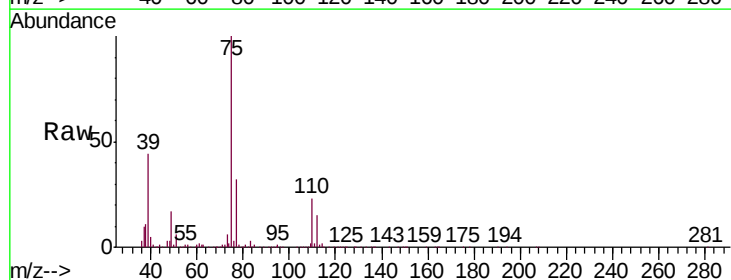
Tgt Ion: 75 Resp: 373847

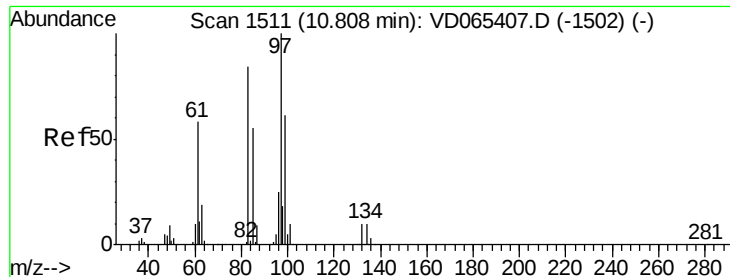
Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

39 44.1 34.6 52.0

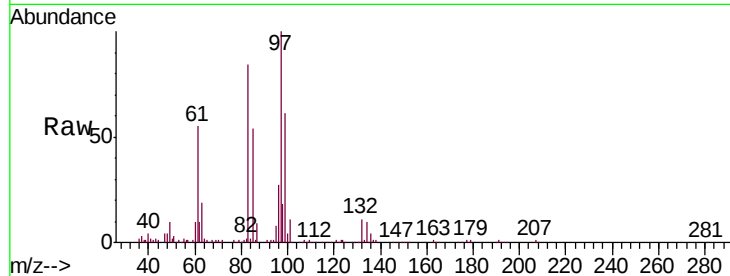




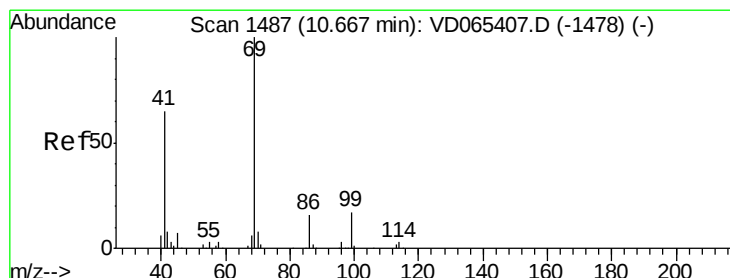
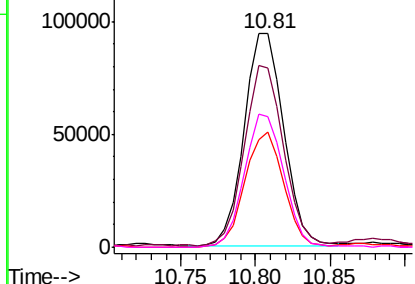
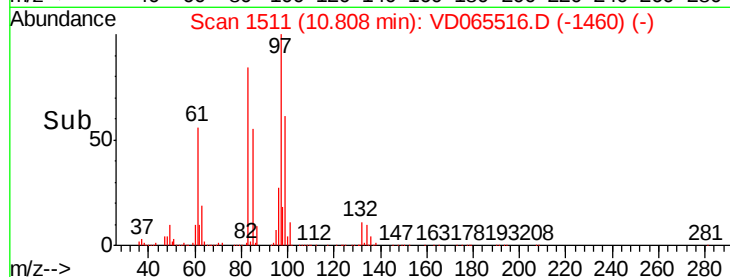
#55
 1,1,2-Trichloroethane
 Concen: 51.059 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	172931
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.4	101.0
85	54.5	43.8	65.8
99	61.2	48.8	73.2

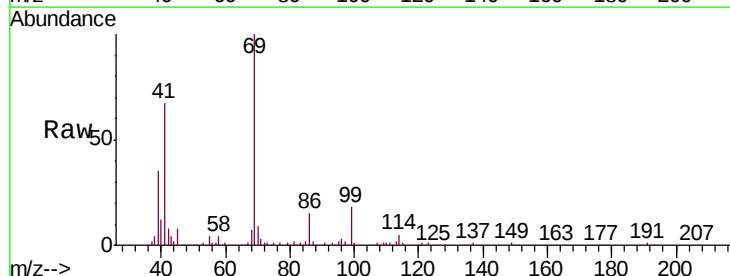


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

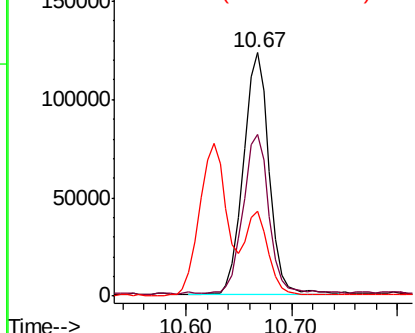
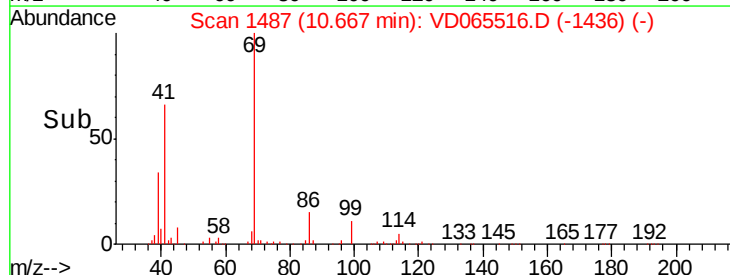


#56
 Ethyl methacrylate
 Concen: 54.806 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion:	69	Resp:	209263
Ion	Ratio	Lower	Upper
69	100		
41	64.2	53.0	79.6
39	30.3	26.0	39.0



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: 51.531 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

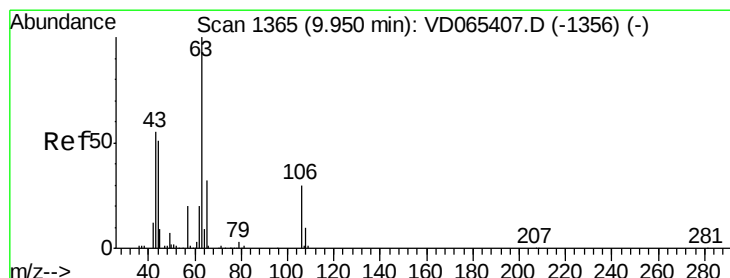
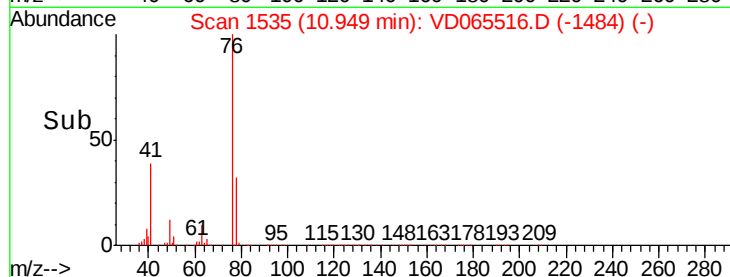
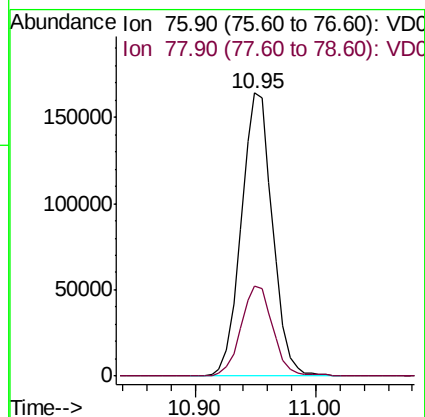
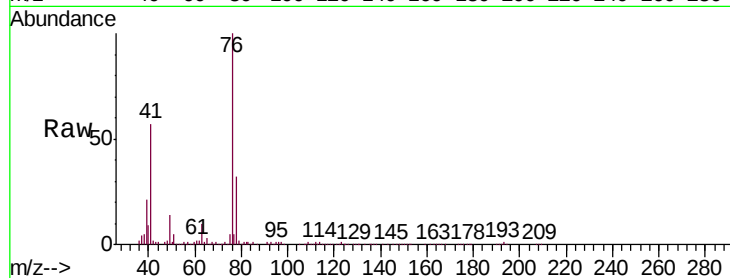
VSTDCCC050EC

Tgt Ion: 76 Resp: 295304

Ion Ratio Lower Upper

76 100

78 33.0 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 236.884 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065516.D

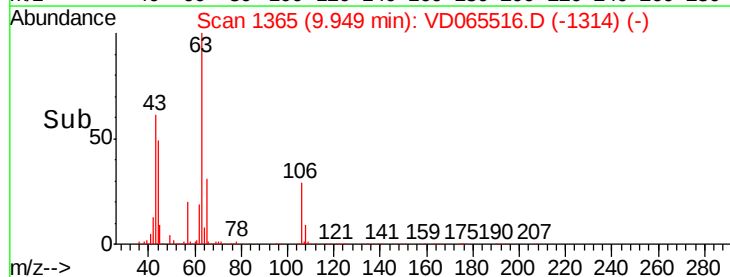
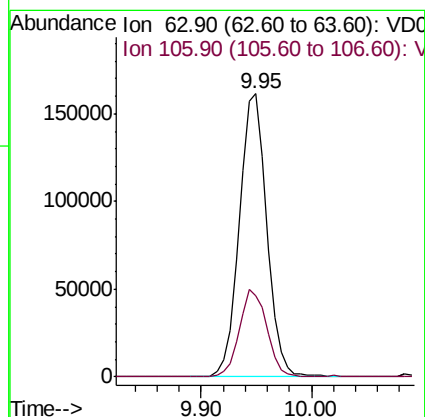
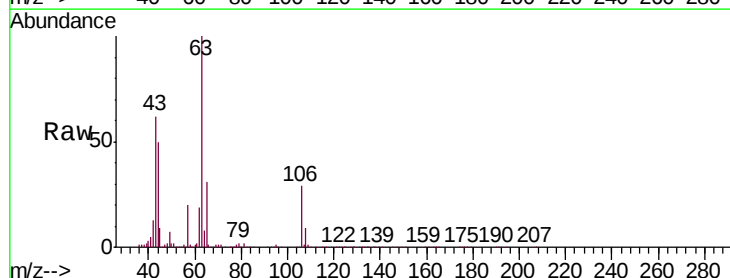
Acq: 16 Mar 2020 16:57

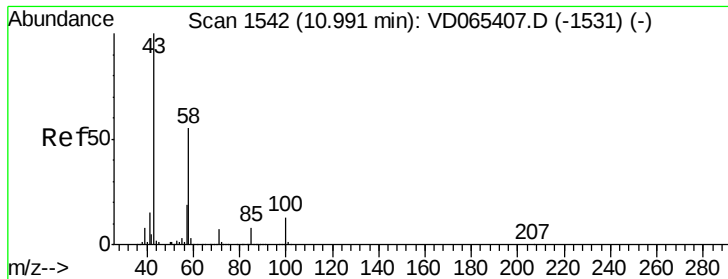
Tgt Ion: 63 Resp: 282550

Ion Ratio Lower Upper

63 100

106 30.8 23.3 34.9

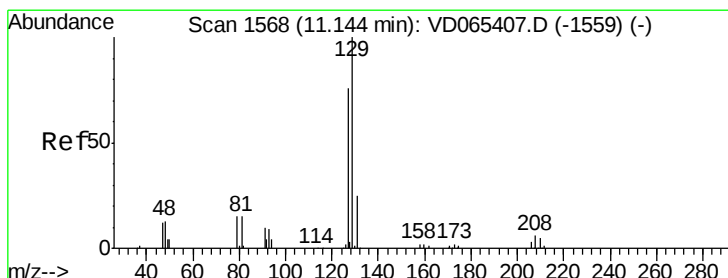
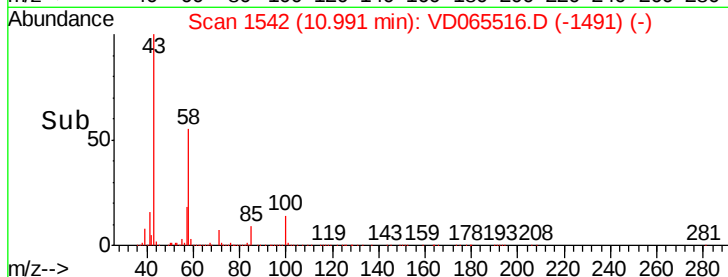
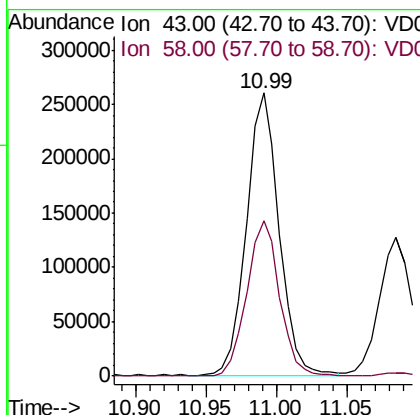
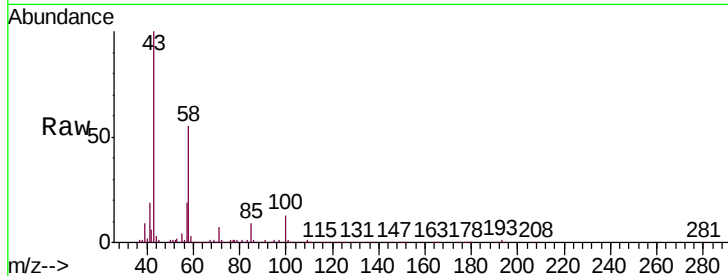




#59
2-Hexanone
Concen: 246.782 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

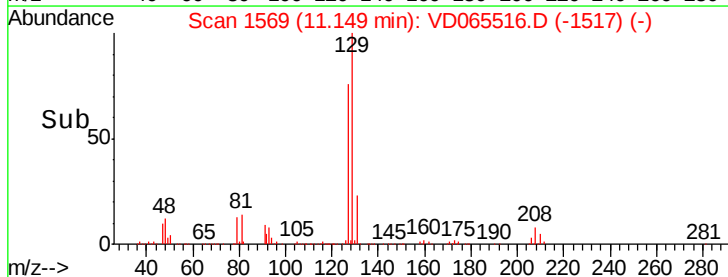
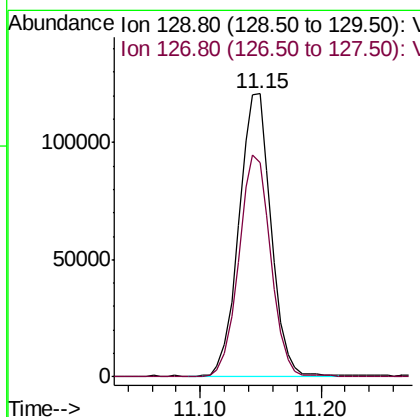
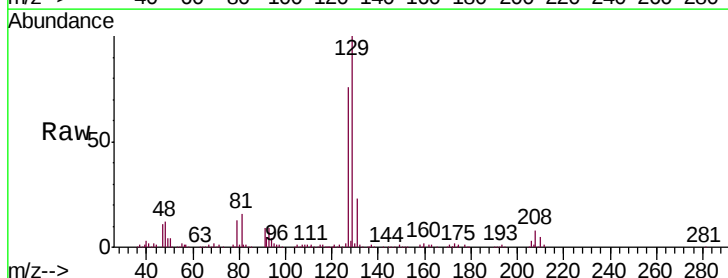
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

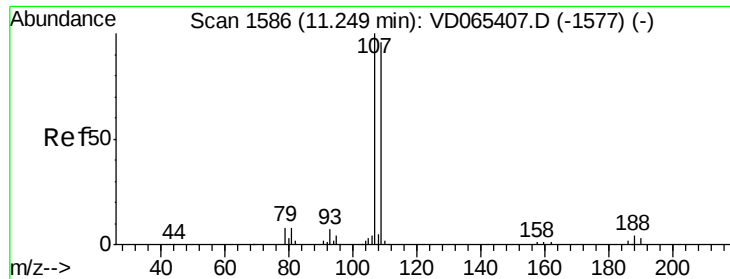
Tgt Ion: 43 Resp: 417623
Ion Ratio Lower Upper
43 100
58 56.1 27.4 82.2



#60
Dibromochloromethane
Concen: 51.644 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 129 Resp: 224213
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5

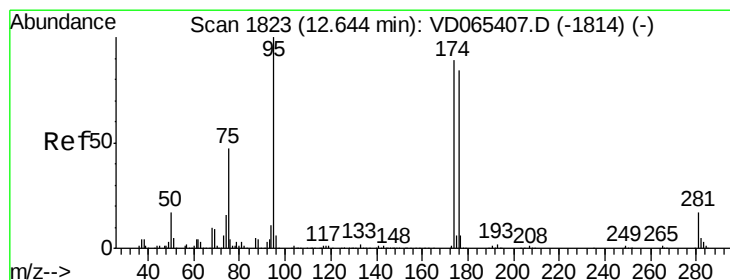
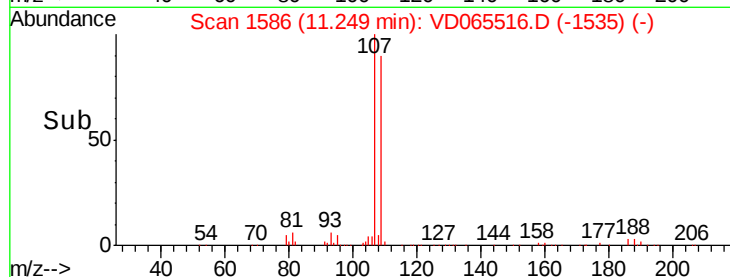
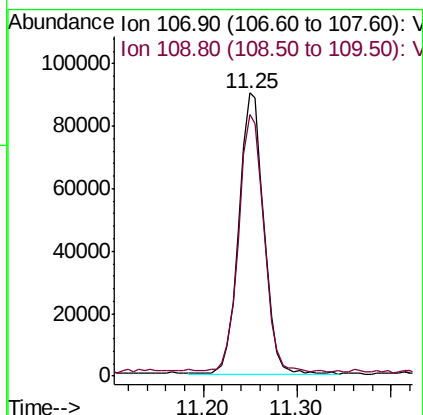
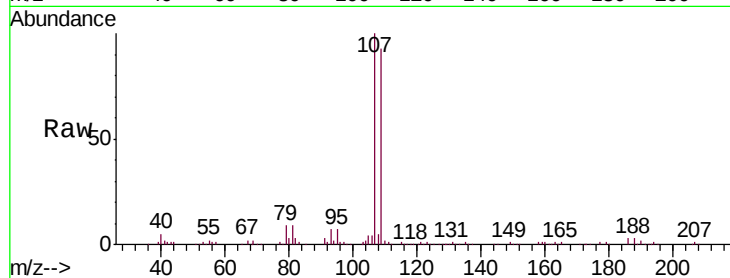




#61
 1,2-Dibromoethane
 Concen: 51.256 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

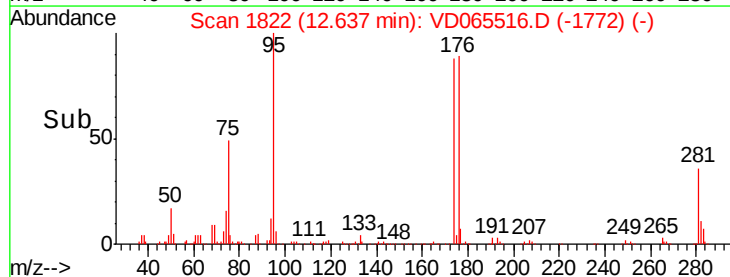
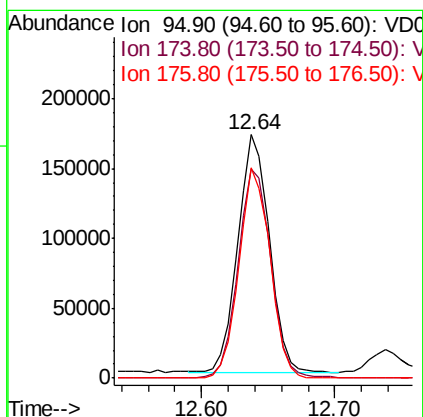
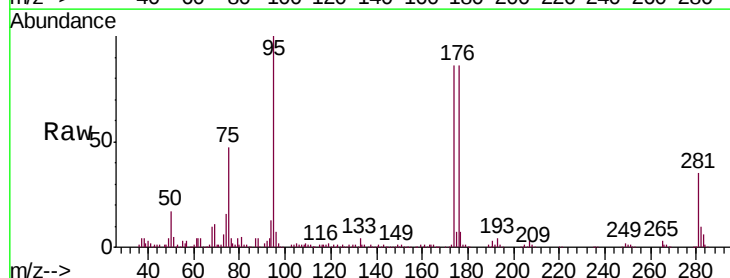
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 165588
 Ion Ratio Lower Upper
 107 100
 109 92.1 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 53.239 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion: 95 Resp: 276886
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 176.8
 176 87.3 0.0 171.4

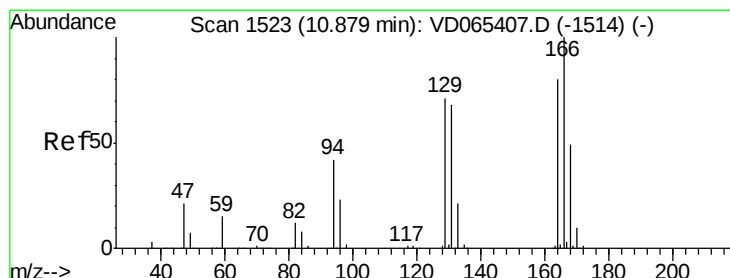
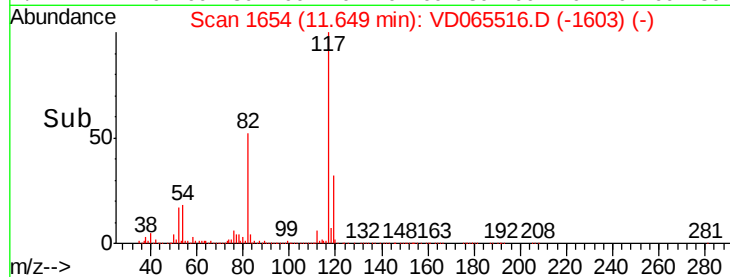
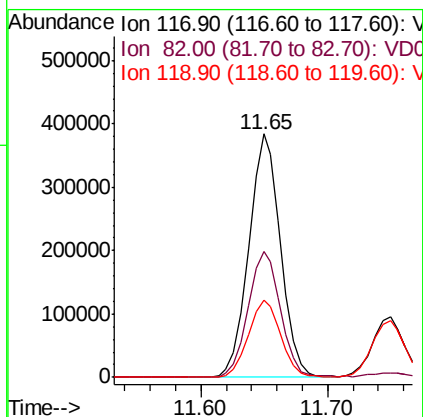
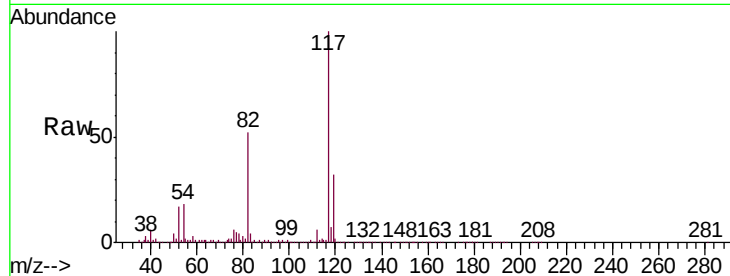




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

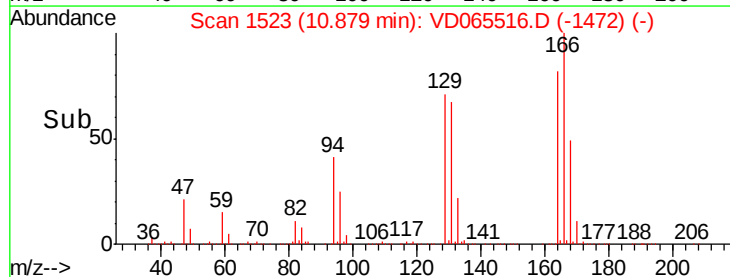
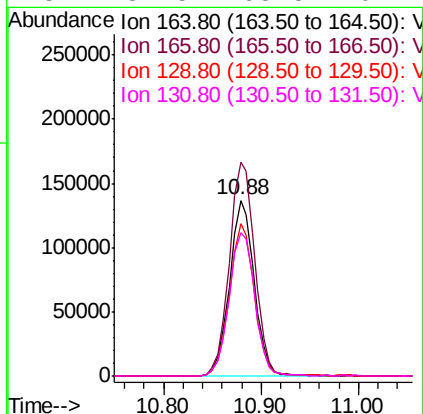
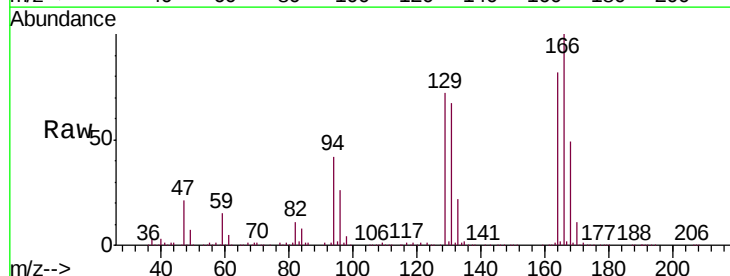
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

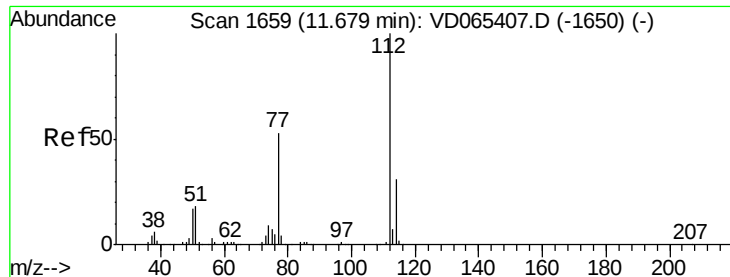
Tgt Ion:117 Resp: 662559
Ion Ratio Lower Upper
117 100
82 51.8 40.6 60.8
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 50.455 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion:164 Resp: 239544
Ion Ratio Lower Upper
164 100
166 121.2 100.5 150.7
129 86.6 71.5 107.3
131 81.5 68.5 102.7

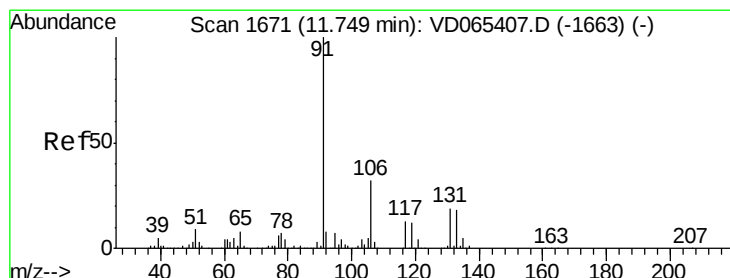
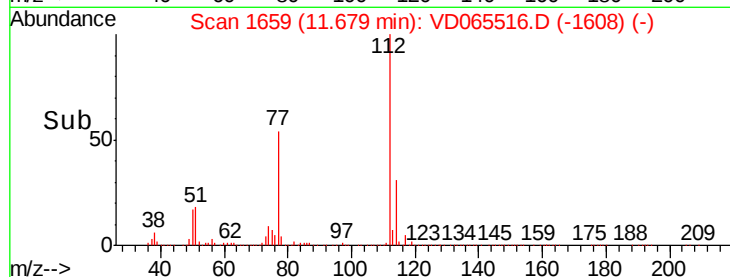
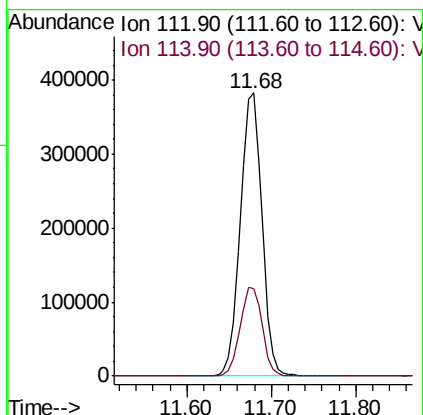
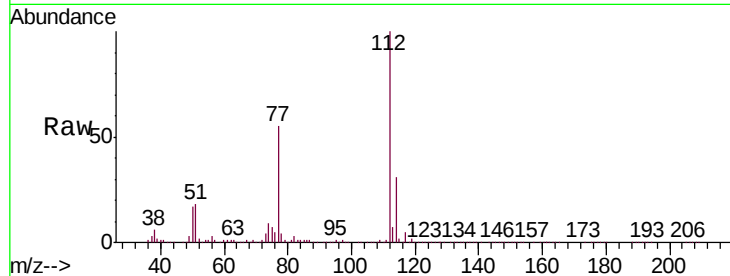




#65
Chlorobenzene
Concen: 51.498 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

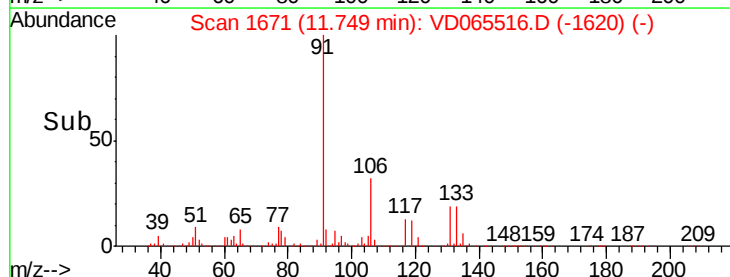
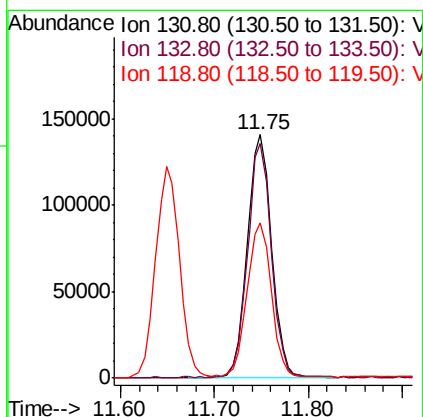
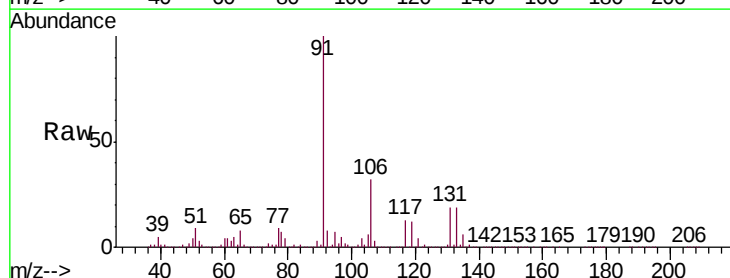
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

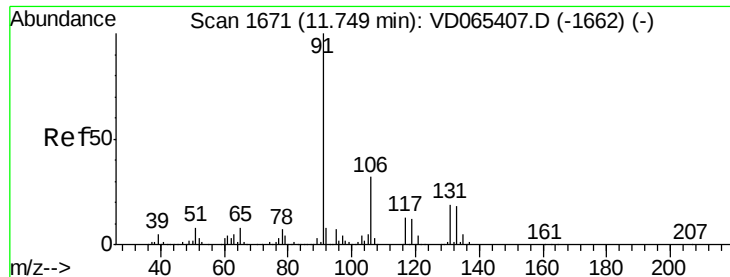
Tgt Ion:112 Resp: 675213
Ion Ratio Lower Upper
112 100
114 31.1 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.392 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion:131 Resp: 250181
Ion Ratio Lower Upper
131 100
133 94.5 49.2 147.6
119 63.6 33.3 99.8





#67

Ethyl Benzene

Concen: 53.311 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

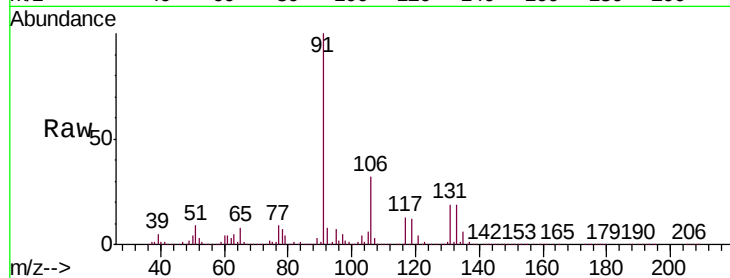
VSTDCCC050EC

Tgt Ion: 91 Resp: 1207746

Ion Ratio Lower Upper

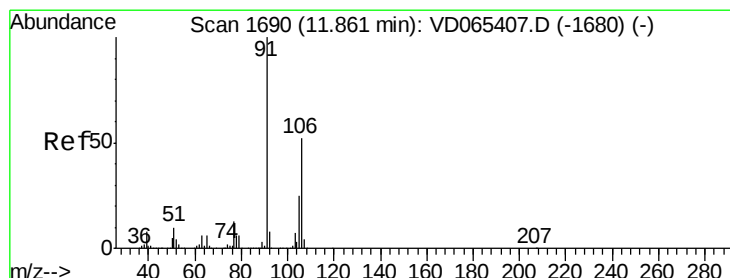
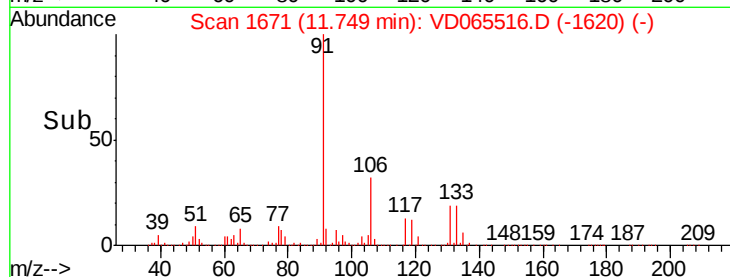
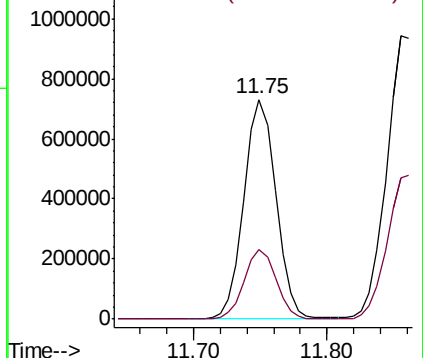
91 100

106 31.7 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 105.419 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065516.D

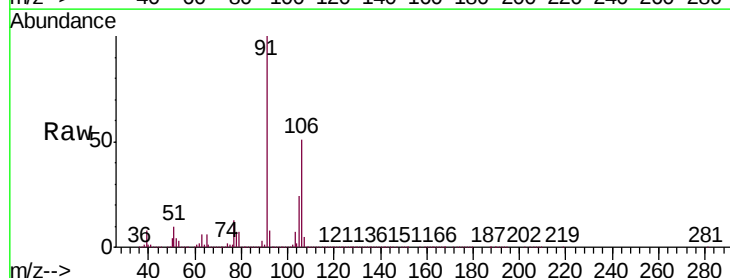
Acq: 16 Mar 2020 16:57

Tgt Ion: 106 Resp: 920880

Ion Ratio Lower Upper

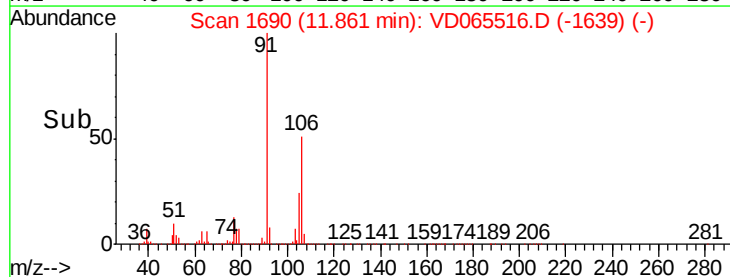
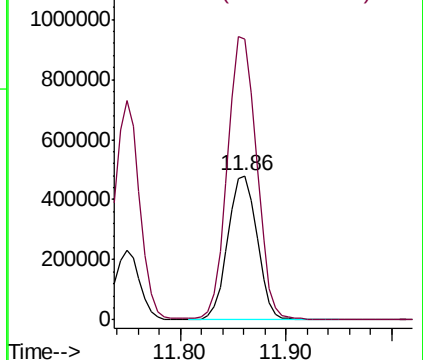
106 100

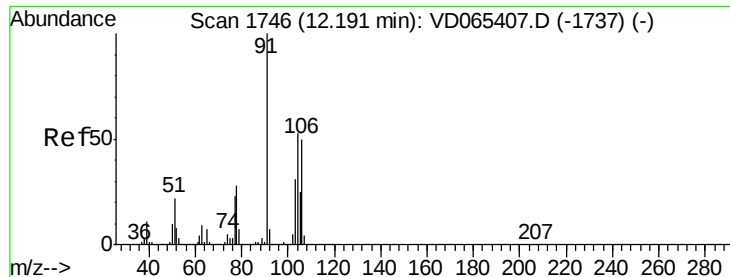
91 195.4 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

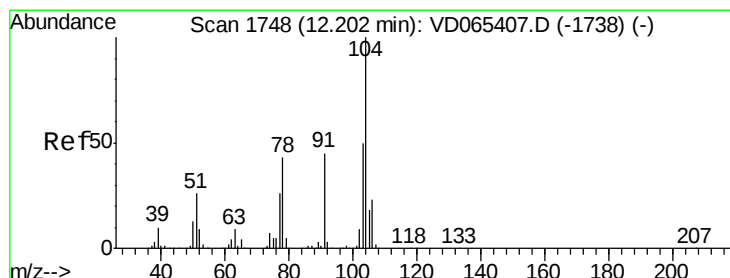
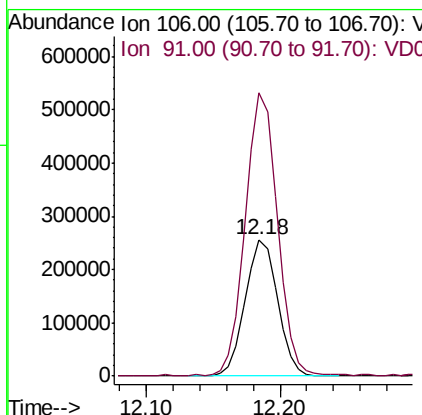
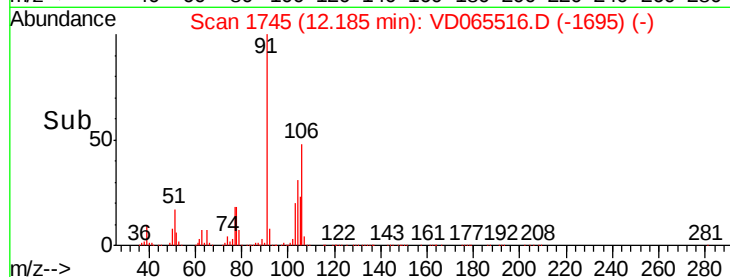
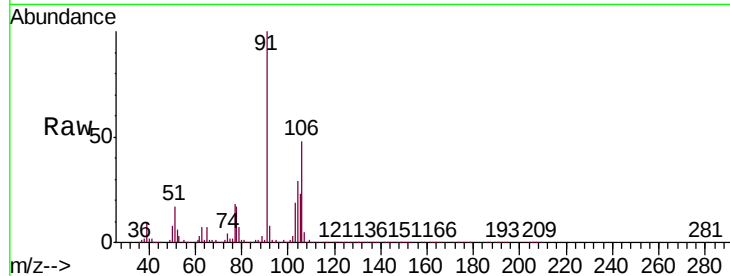




#69
o-Xylene
Concen: 55.528 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

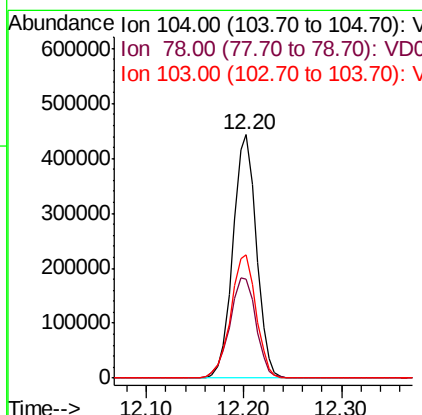
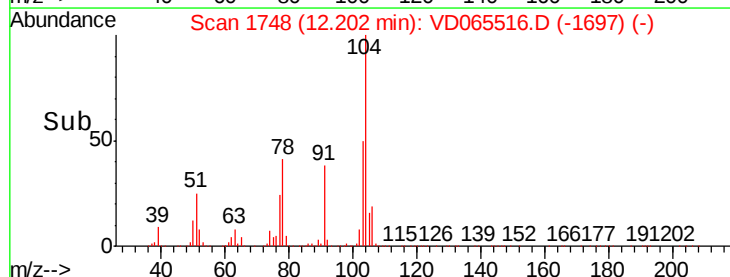
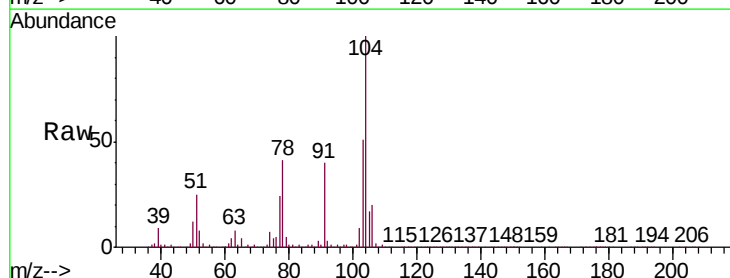
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

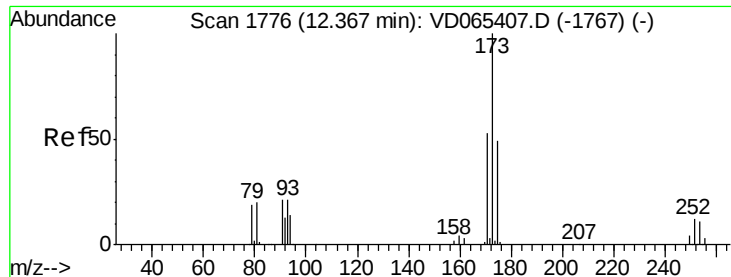
Tgt Ion:106 Resp: 426681
Ion Ratio Lower Upper
106 100
91 205.4 103.5 310.3



#70
Styrene
Concen: 54.793 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion:104 Resp: 740994
Ion Ratio Lower Upper
104 100
78 46.3 37.7 56.5
103 54.4 43.6 65.4





#71

Bromoform

Concen: 49.122 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

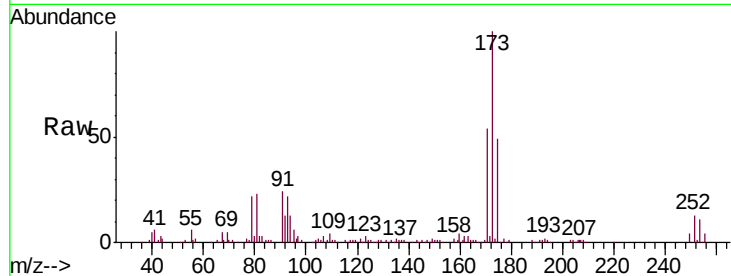
Tgt Ion:173 Resp: 131755

Ion Ratio Lower Upper

173 100

175 49.6 24.3 73.0

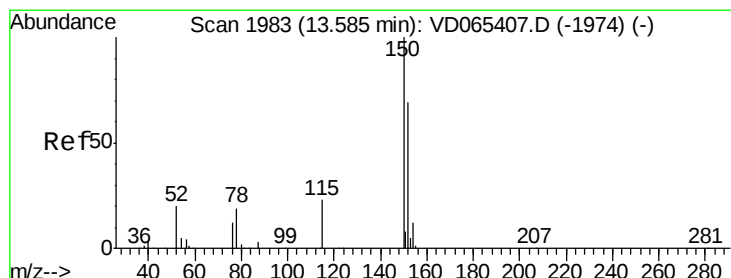
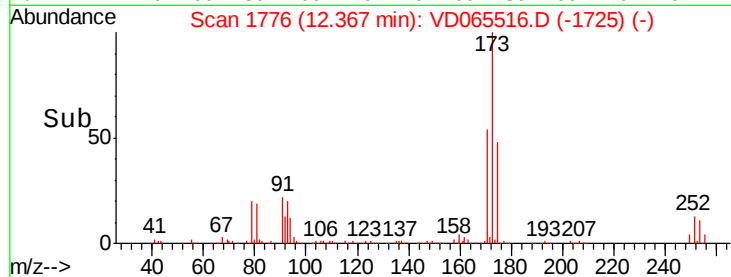
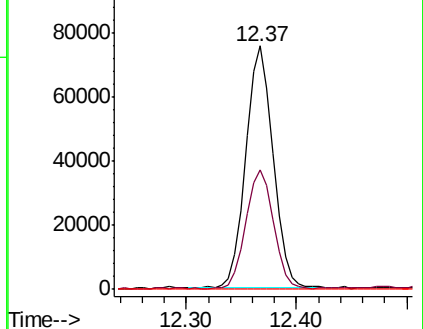
254 0.2 0.1 0.1#



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: VD065516.D

Acq: 16 Mar 2020 16:57

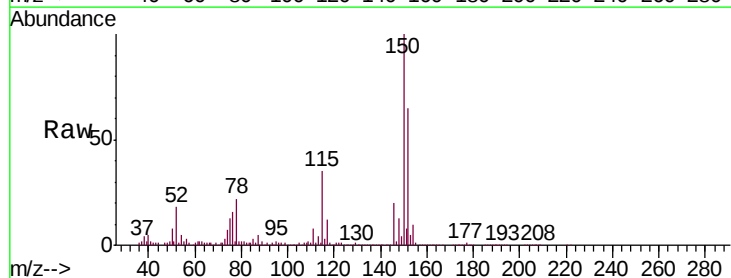
Tgt Ion:152 Resp: 315428

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.8

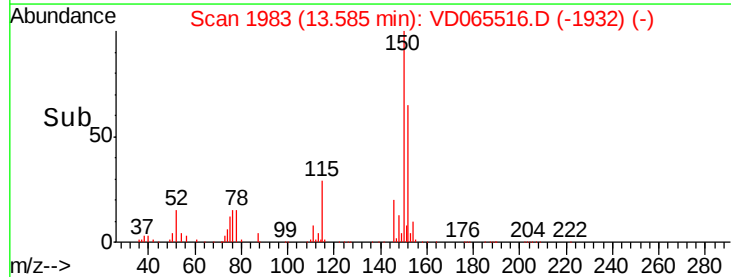
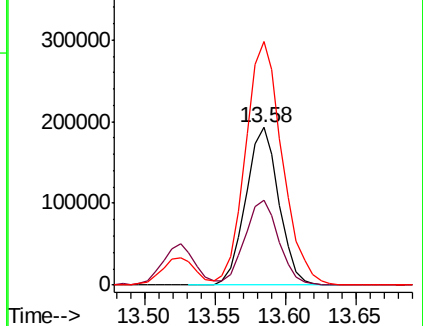
150 172.0 0.0 345.0

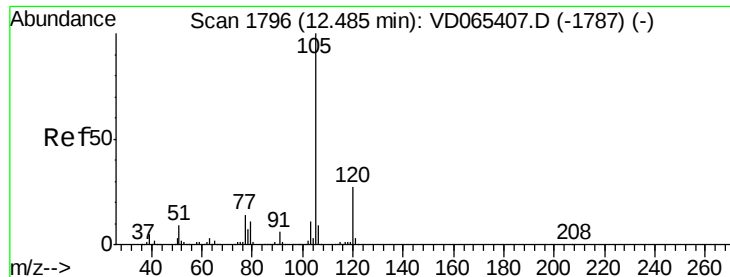


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.904 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

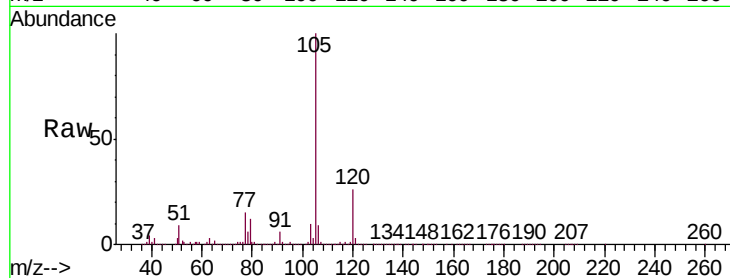
VSTDCCC050EC

Tgt Ion:105 Resp: 1159853

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

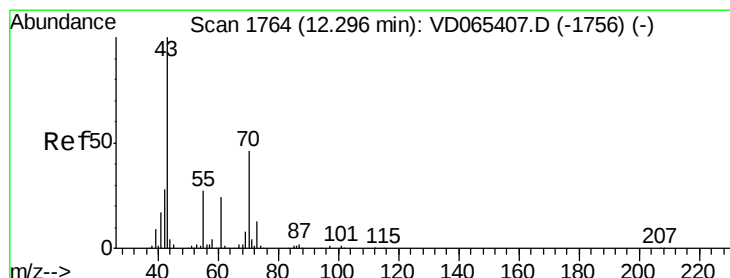
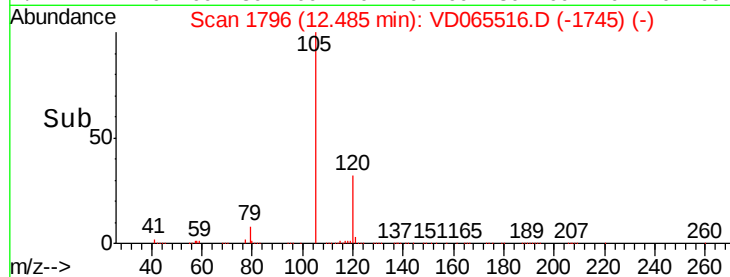
400000

200000

0

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 51.223 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion: 43 Resp: 217566

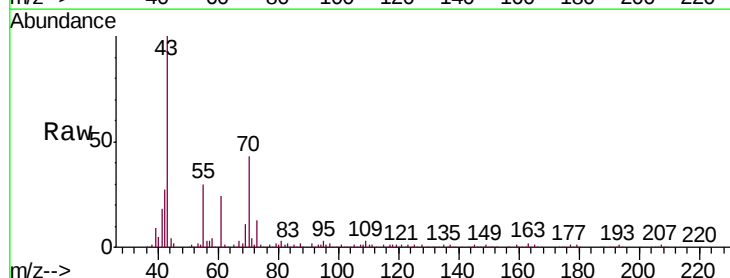
Ion Ratio Lower Upper

43 100

70 44.1 36.1 54.1

55 33.7 21.6 32.4#

61 24.3 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

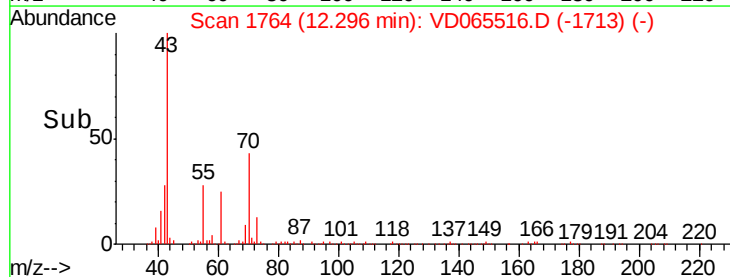
100000

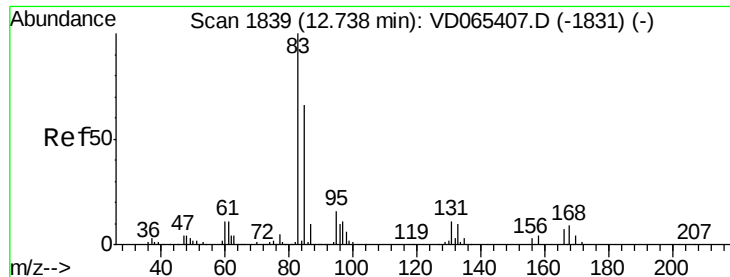
50000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.534 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

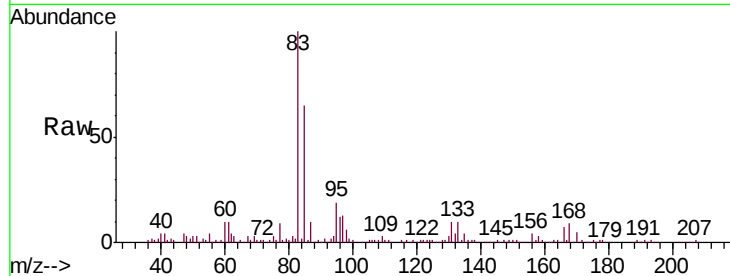
Tgt Ion: 83 Resp: 176998

Ion Ratio Lower Upper

83 100

131 10.1 5.4 16.2

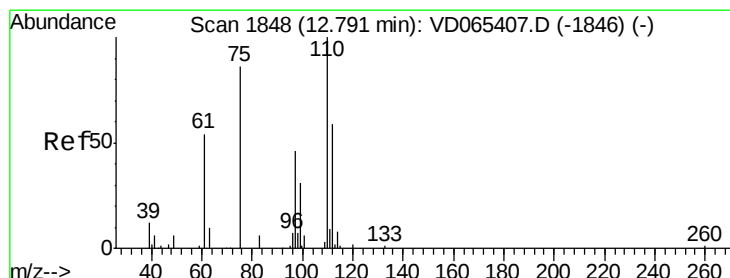
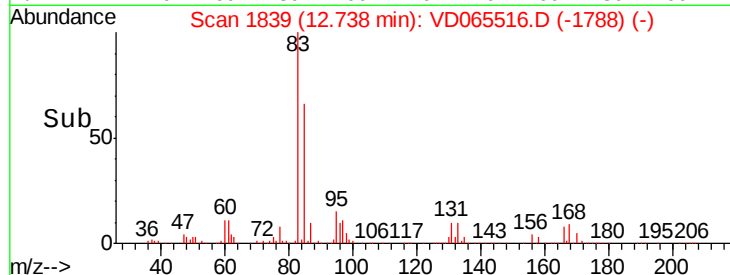
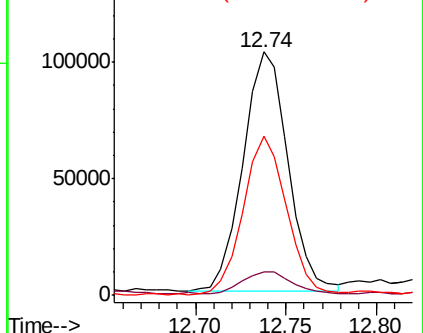
85 63.7 33.0 98.9



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: 92.227 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065516.D

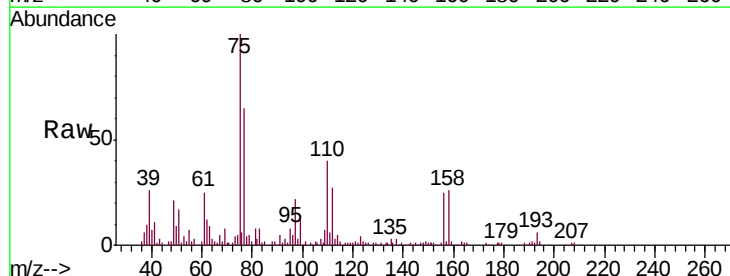
Acq: 16 Mar 2020 16:57

Tgt Ion: 75 Resp: 229552

Ion Ratio Lower Upper

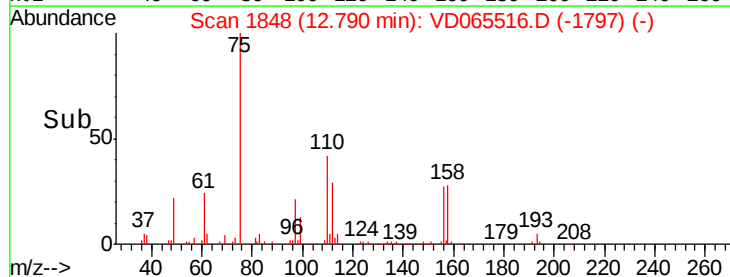
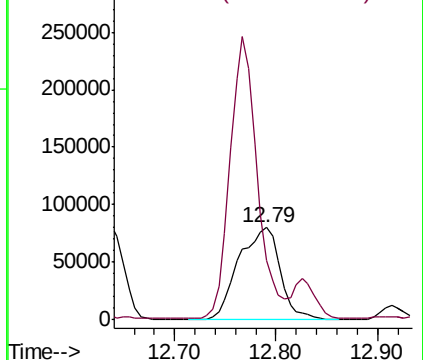
75 100

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: 54.623 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

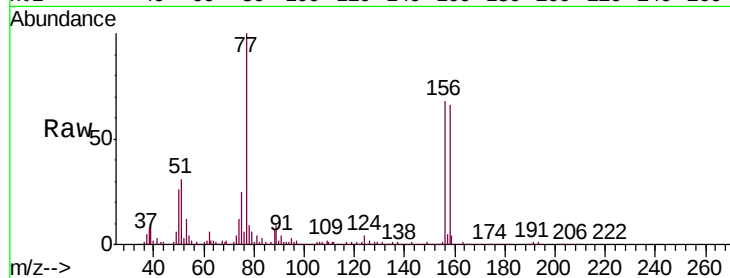
Tgt Ion:156 Resp: 281563

Ion Ratio Lower Upper

156 100

77 162.3 84.9 254.6

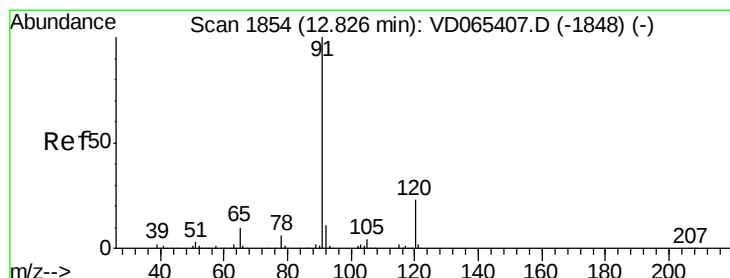
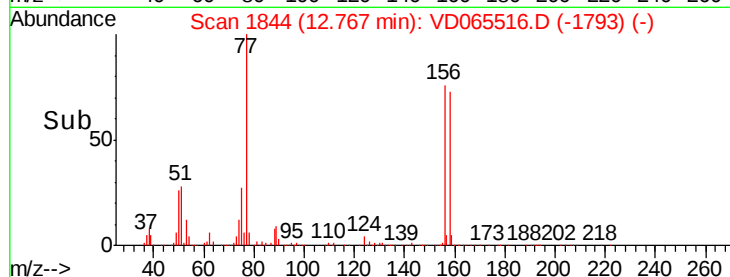
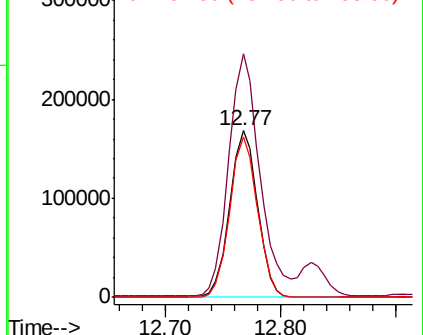
158 95.7 49.0 147.2



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: 54.452 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065516.D

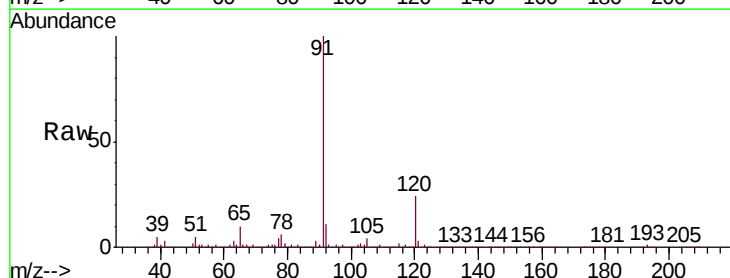
Acq: 16 Mar 2020 16:57

Tgt Ion: 91 Resp: 1340430

Ion Ratio Lower Upper

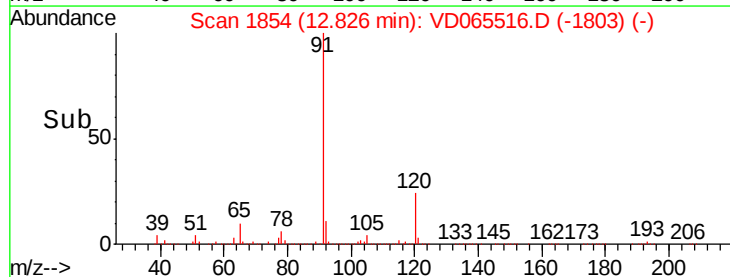
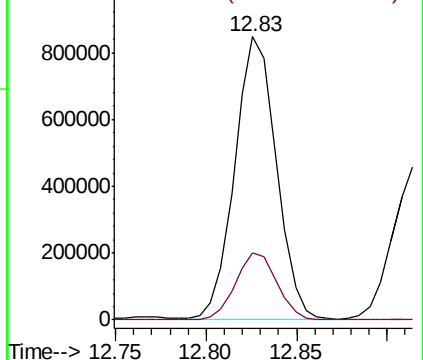
91 100

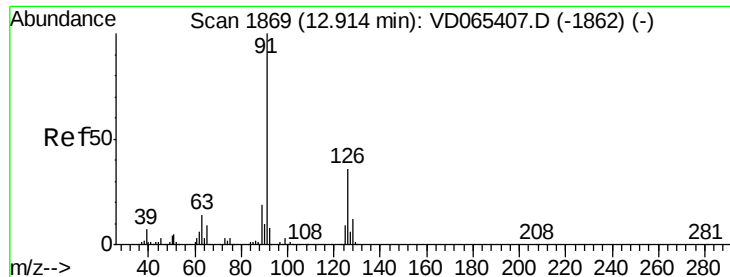
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.318 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

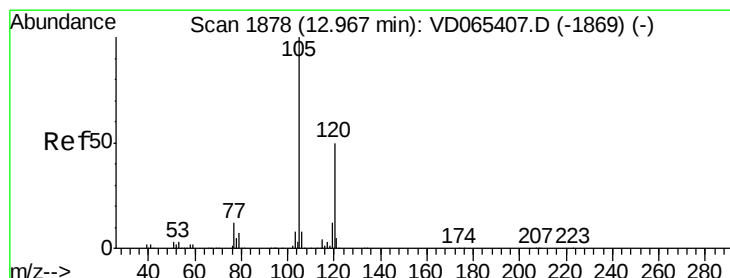
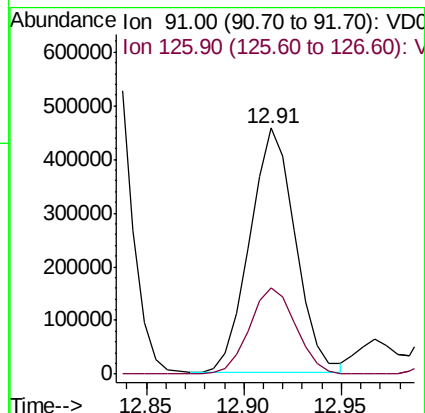
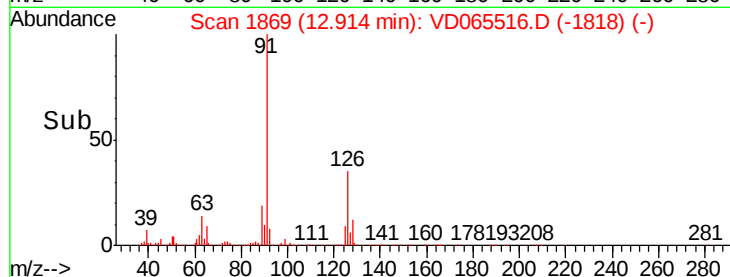
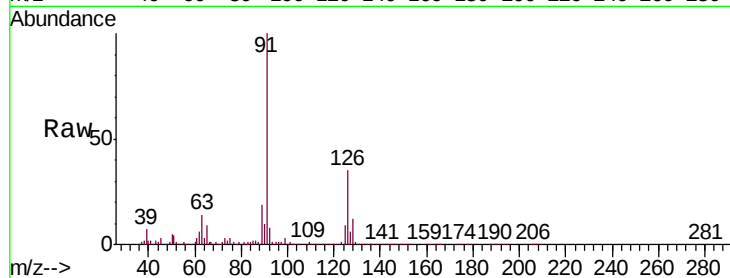
VSTDCCC050EC

Tgt Ion: 91 Resp: 739710

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 54.447 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065516.D

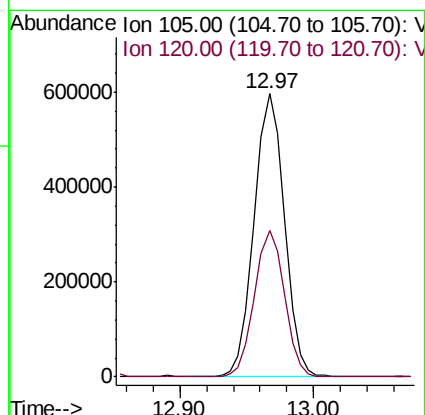
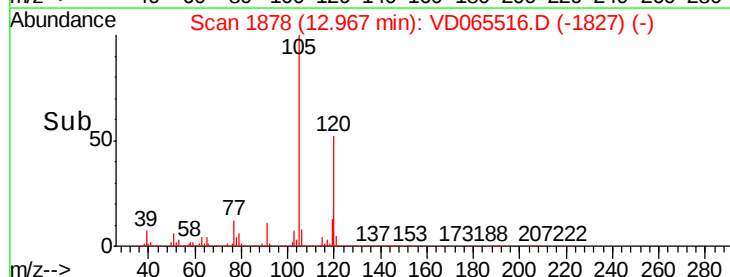
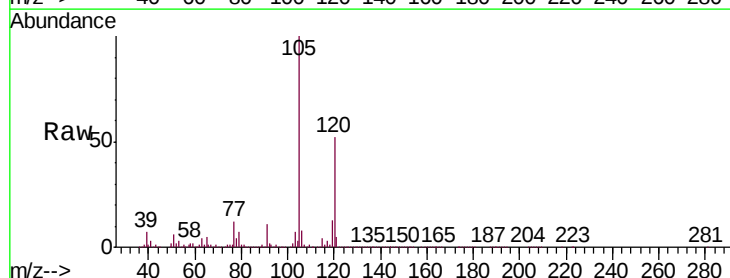
Acq: 16 Mar 2020 16:57

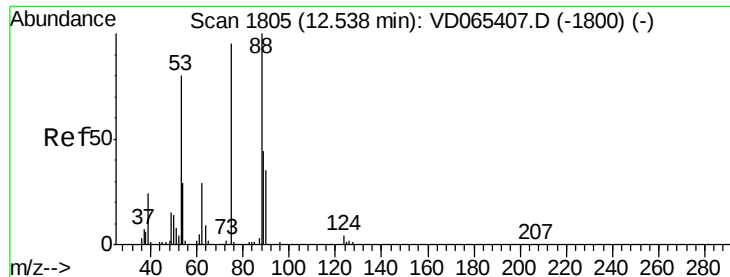
Tgt Ion: 105 Resp: 928683

Ion Ratio Lower Upper

105 100

120 51.4 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.809 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

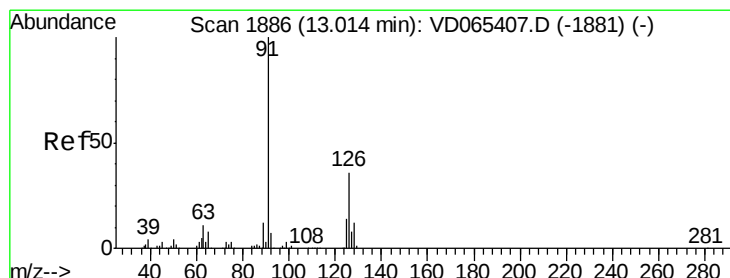
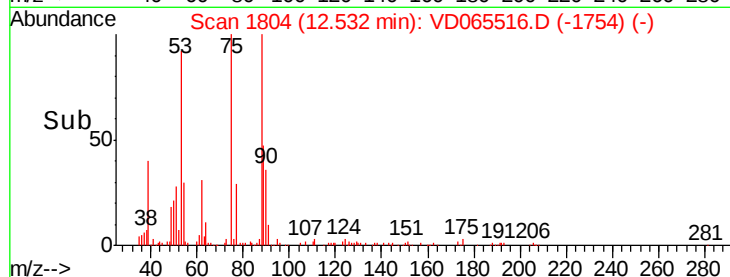
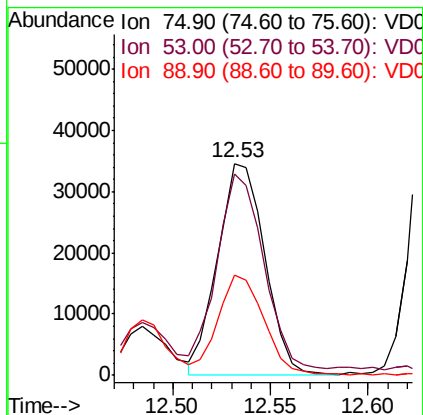
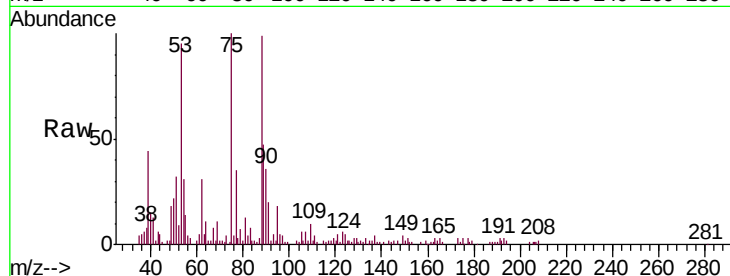
Tgt Ion: 75 Resp: 57568

Ion Ratio Lower Upper

75 100

53 90.7 71.3 106.9

89 45.6 37.0 55.6



#82

4-Chlorotoluene

Concen: 53.084 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065516.D

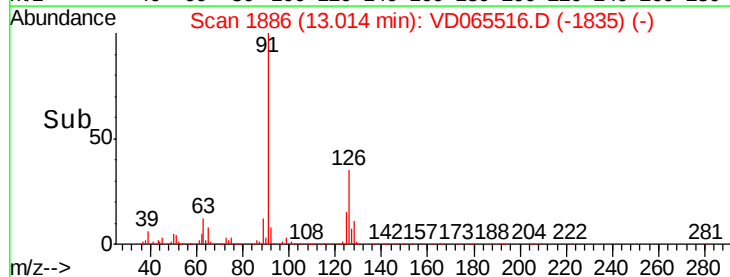
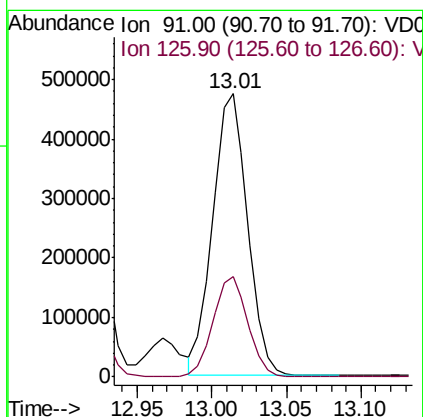
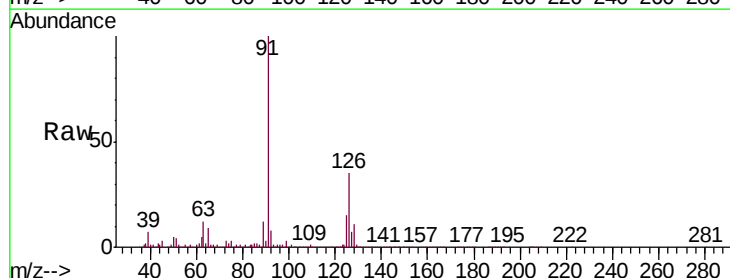
Acq: 16 Mar 2020 16:57

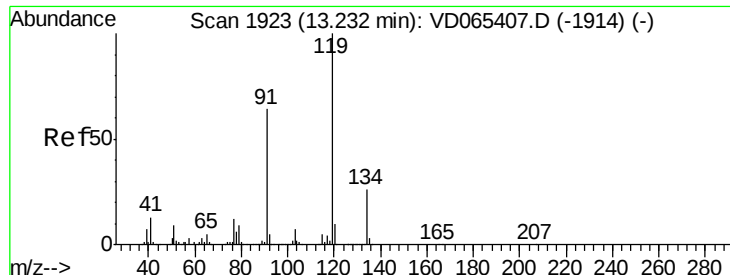
Tgt Ion: 91 Resp: 773903

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8

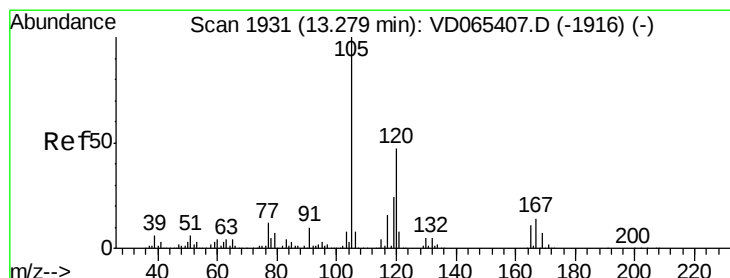
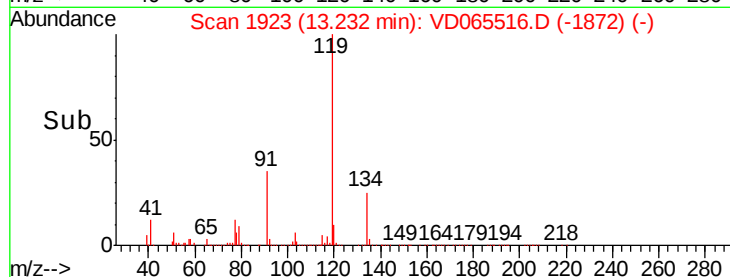
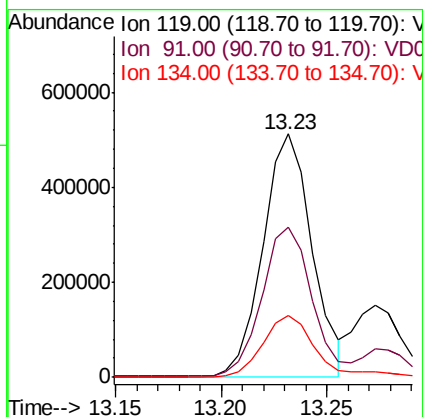
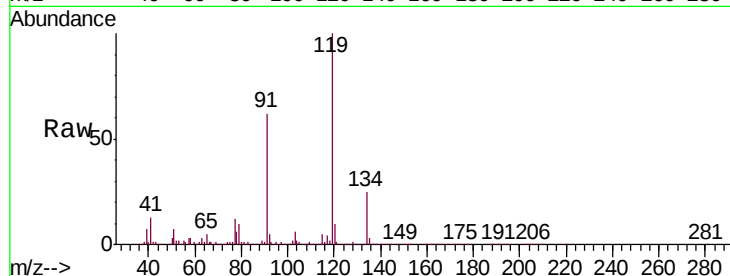




#83
 tert-Butylbenzene
 Concen: 57.354 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

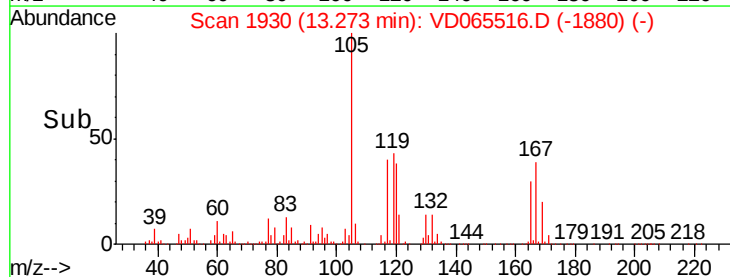
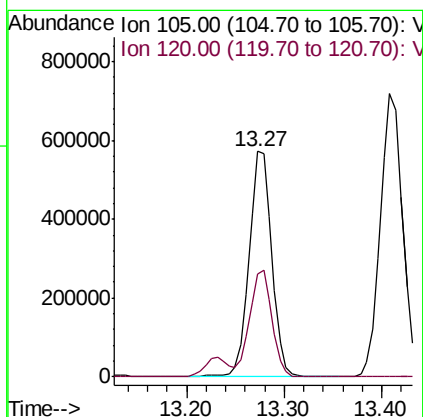
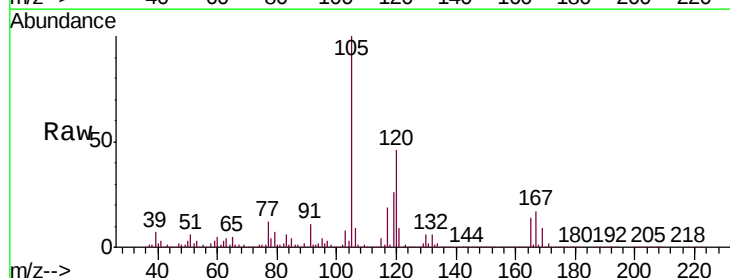
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

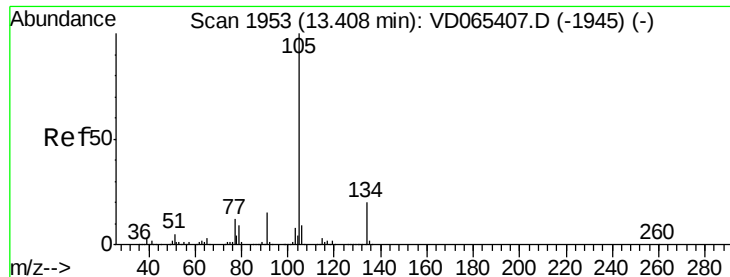
Tgt Ion:119 Resp: 827612
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.6 95.0
 134 27.6 14.2 42.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.155 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion:105 Resp: 927316
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.3

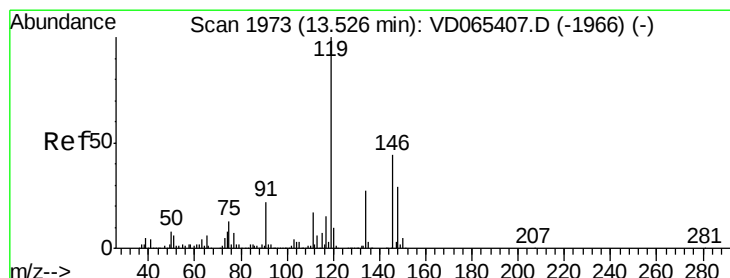
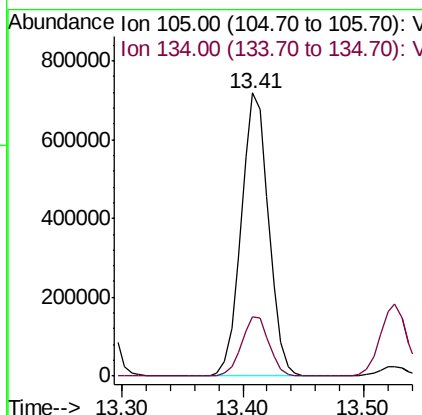
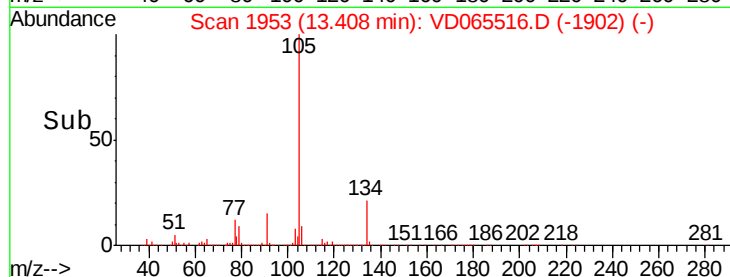
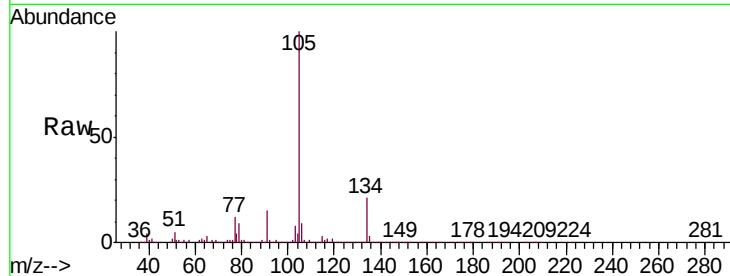




#85
 sec-Butylbenzene
 Concen: 55.054 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

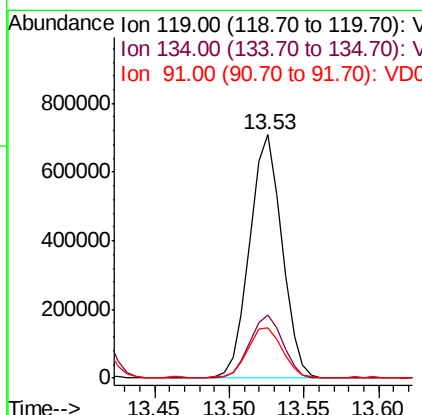
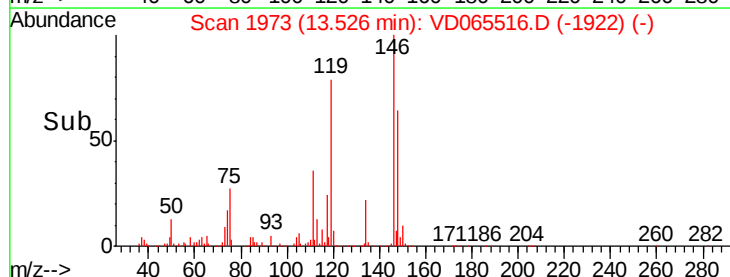
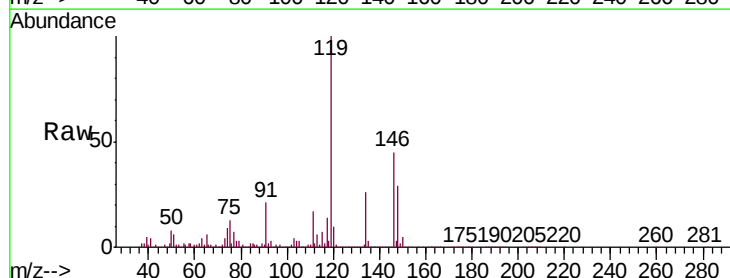
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

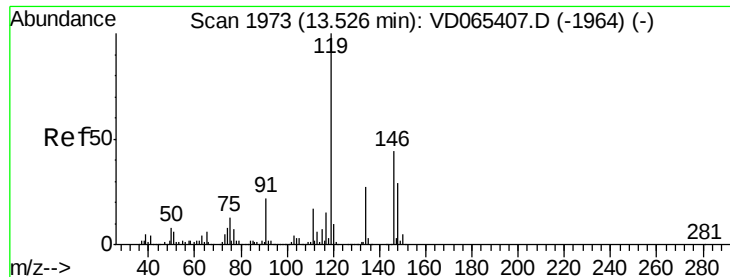
Tgt Ion:105 Resp: 1133973
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 56.158 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion:119 Resp: 1055495
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 21.8 10.9 32.6

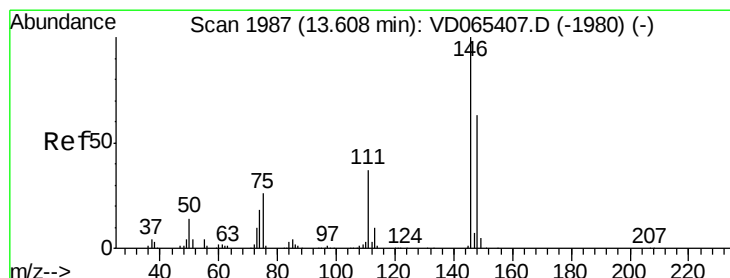
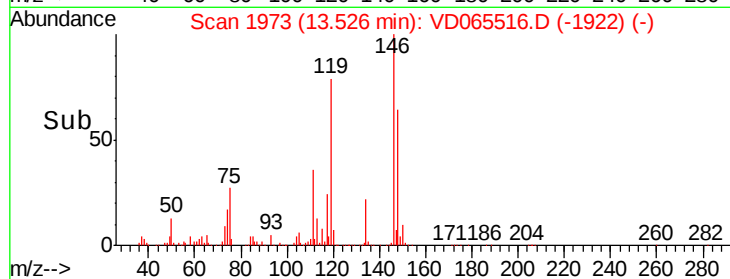
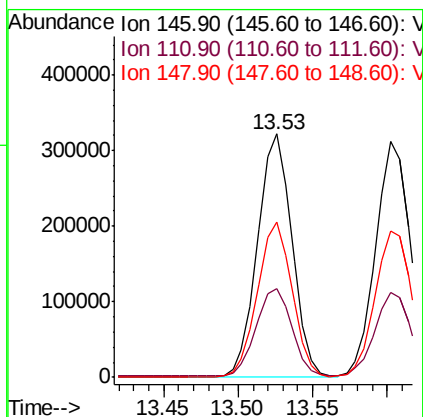
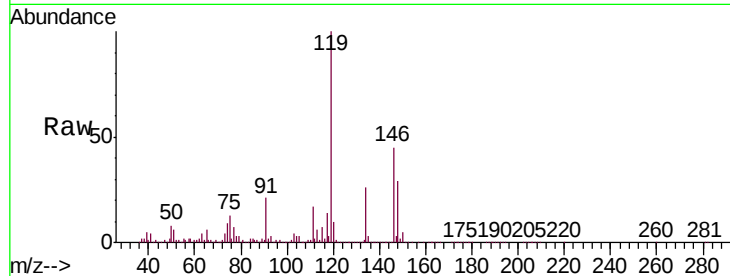




#87
 1,3-Dichlorobenzene
 Concen: 51.957 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

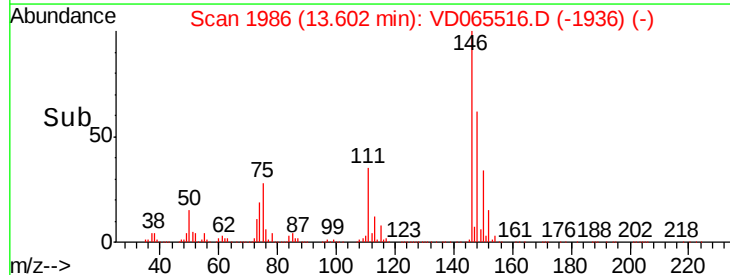
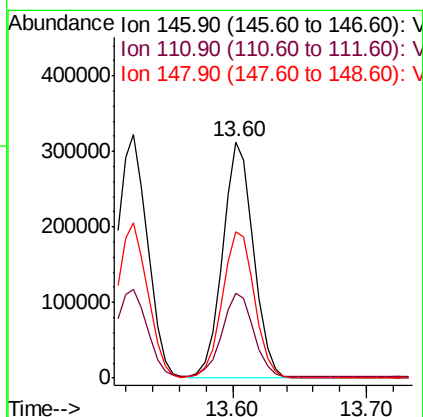
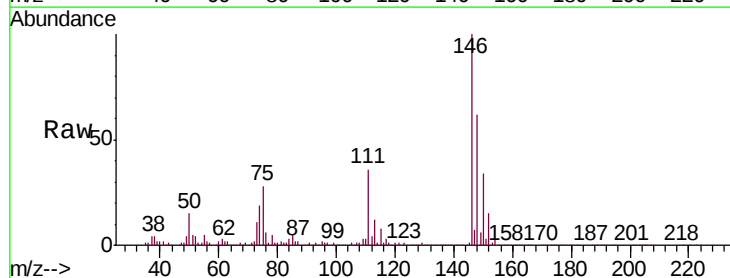
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

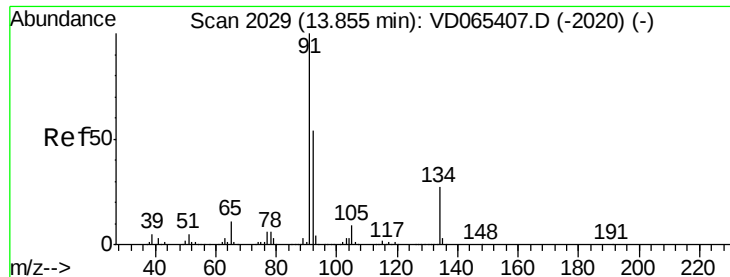
Tgt Ion:146 Resp: 514904
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.1
 148 63.9 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 51.212 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion:146 Resp: 504853
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.5 55.5
 148 64.7 32.0 96.0

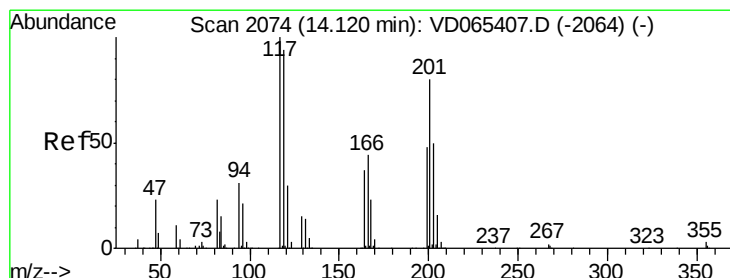
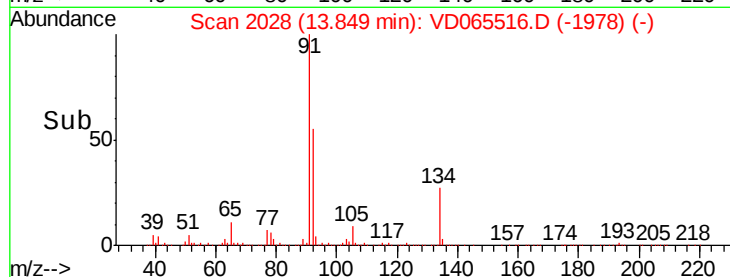
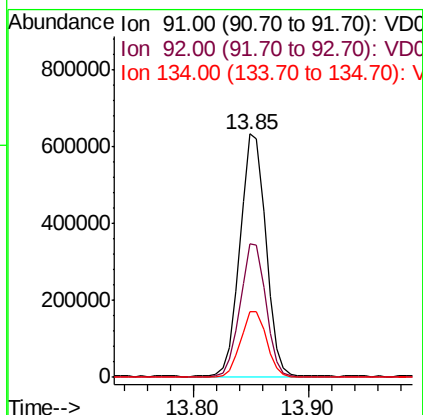
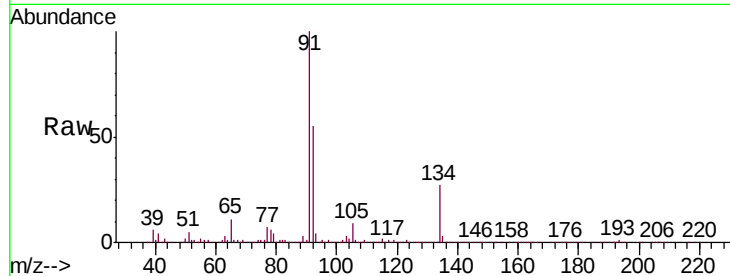




#89
n-Butylbenzene
Concen: 56.247 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

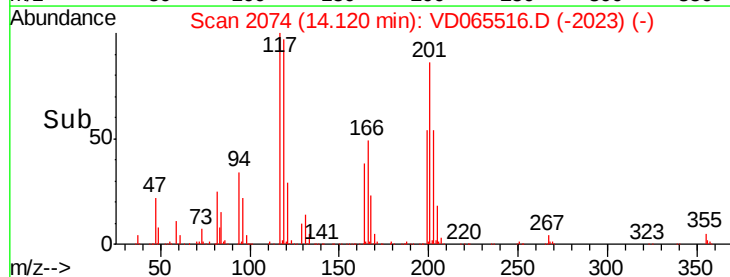
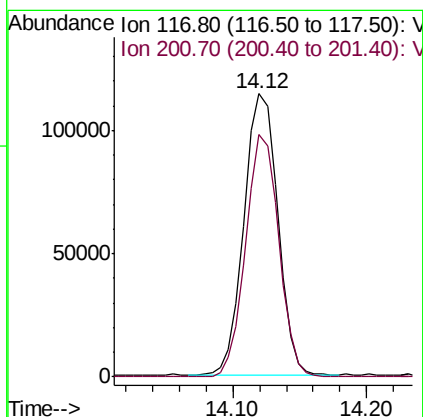
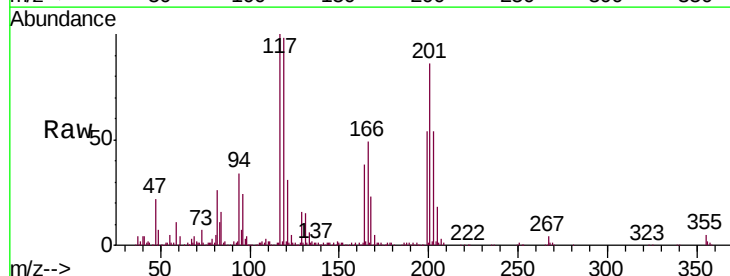
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

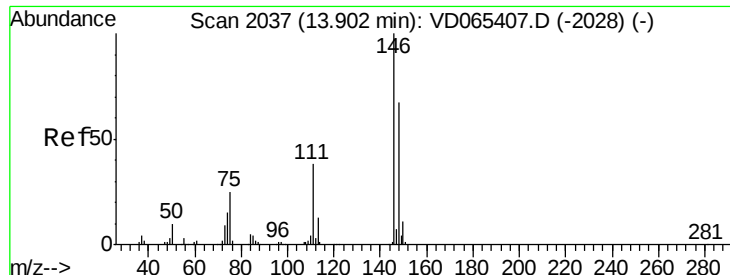
Tgt Ion: 91 Resp: 977366
Ion Ratio Lower Upper
91 100
92 54.7 26.8 80.4
134 27.4 13.4 40.2



#90
Hexachloroethane
Concen: 51.596 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 117 Resp: 199709
Ion Ratio Lower Upper
117 100
201 84.6 41.9 125.6

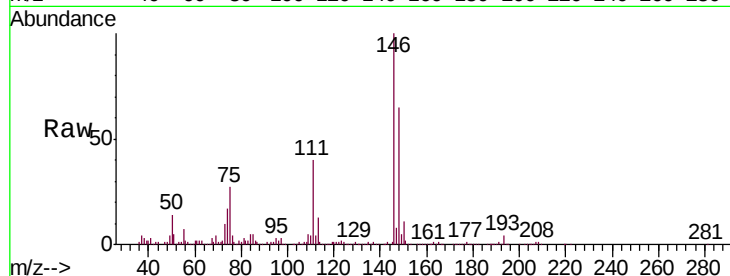




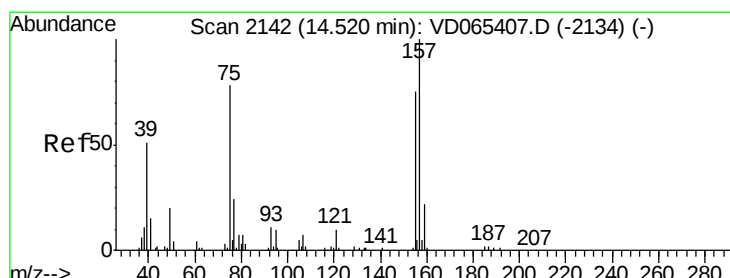
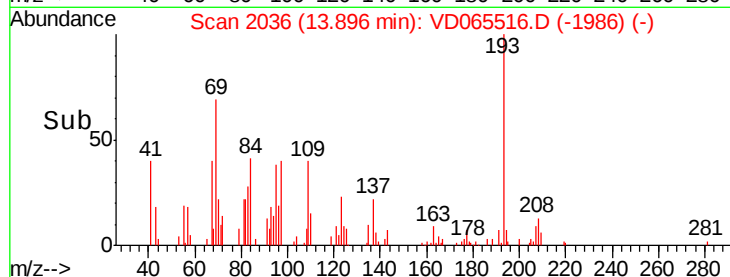
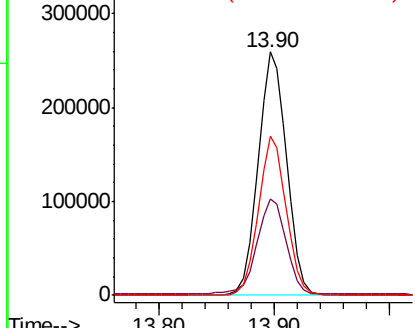
#91
 1,2-Dichlorobenzene
 Concen: 52.676 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:146 Resp: 444242
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.8 59.3
 148 63.7 32.6 97.8

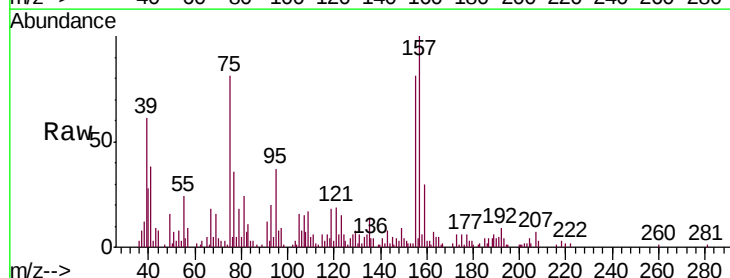


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

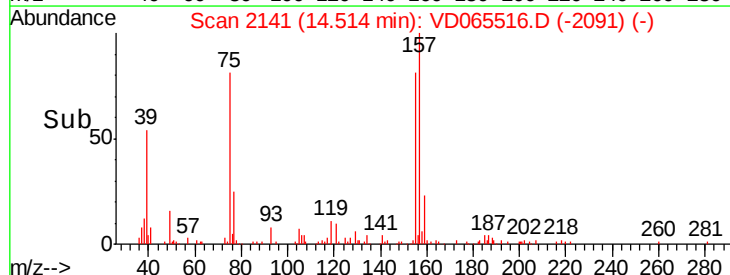
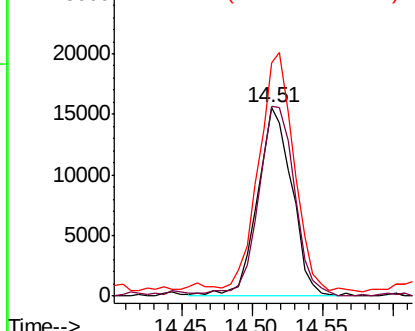


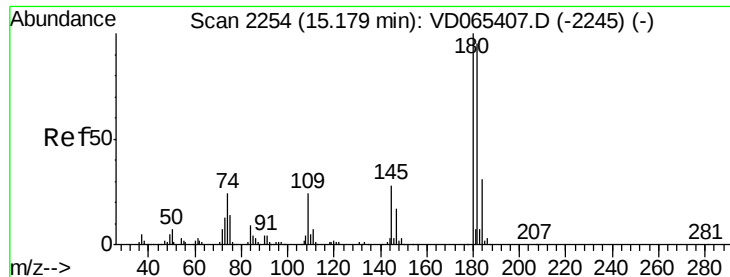
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.215 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion: 75 Resp: 26779
 Ion Ratio Lower Upper
 75 100
 155 105.6 46.4 139.1
 157 130.5 60.2 180.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

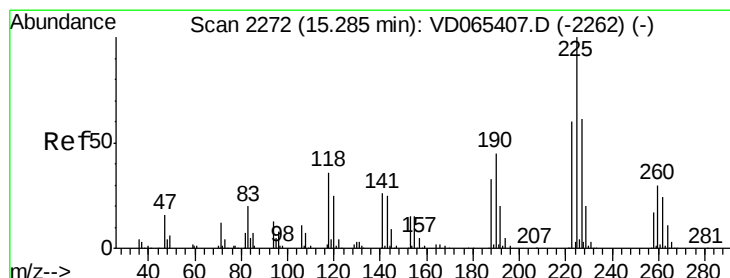
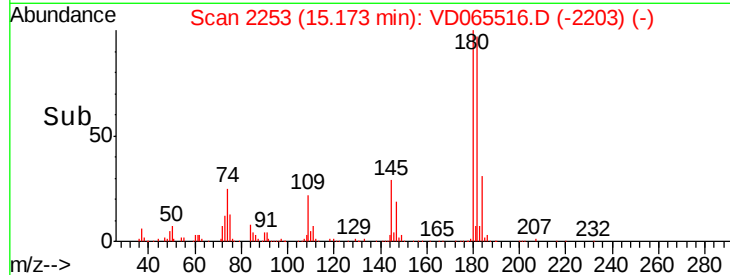
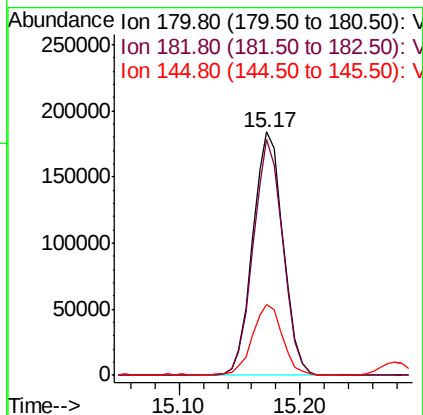
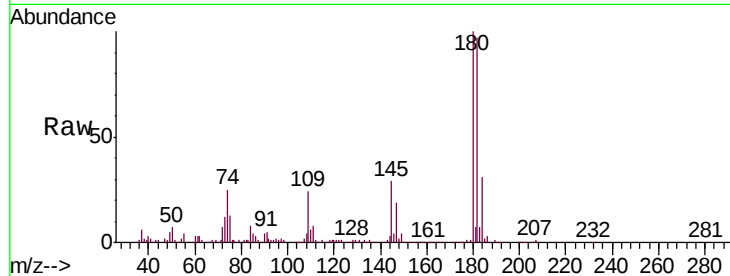




#93
 1,2,4-Trichlorobenzene
 Concen: 56.463 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

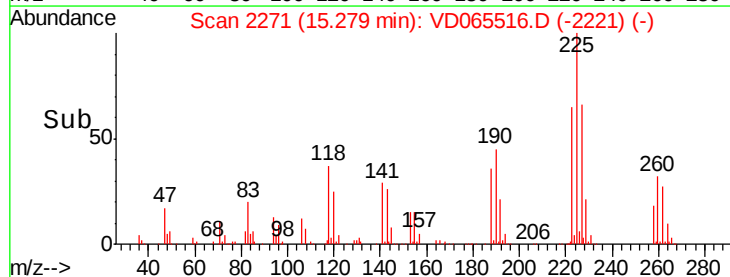
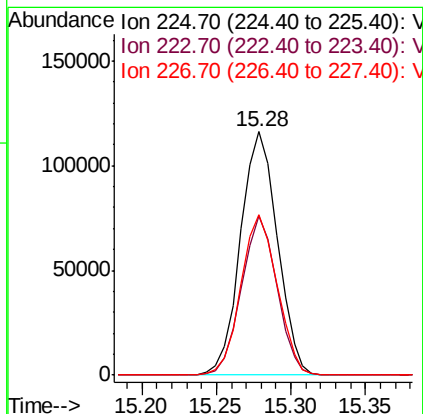
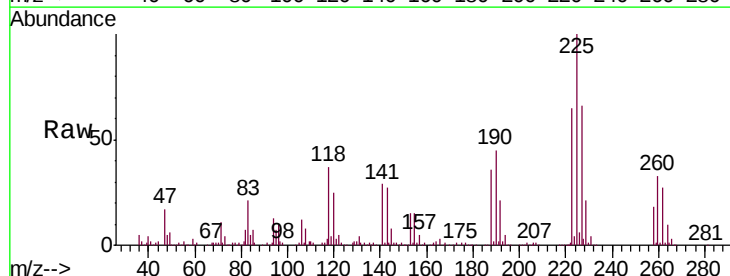
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

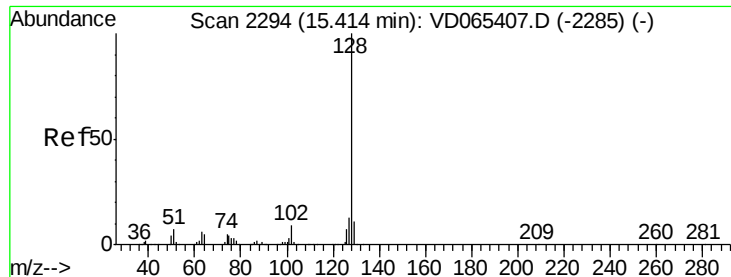
Tgt Ion:180 Resp: 322742
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.3 144.9
 145 28.3 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 53.038 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion:225 Resp: 199197
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.9 92.5
 227 64.6 31.6 94.7

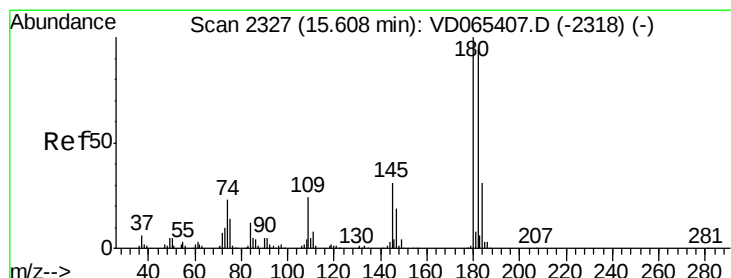
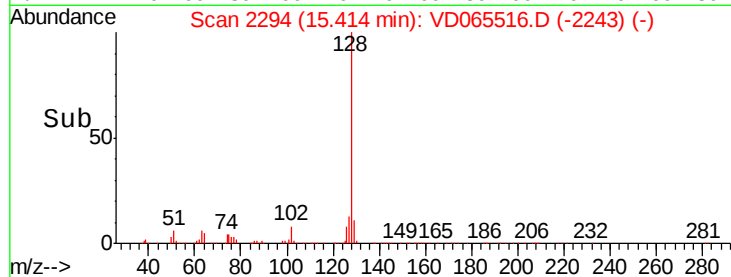
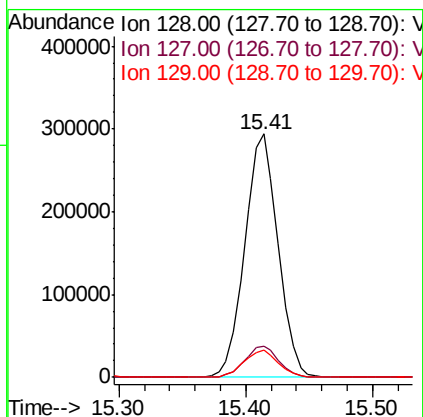
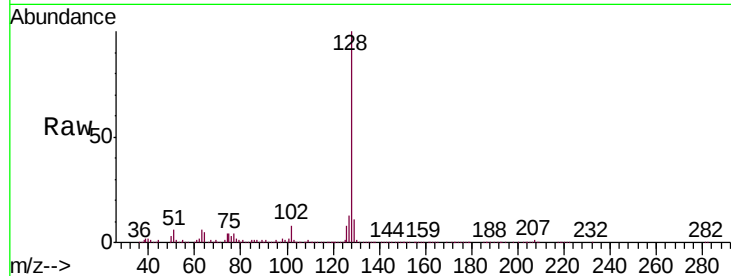




#95
Naphthalene
Concen: 52.047 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 532249
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 55.329 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion:180 Resp: 273286
Ion Ratio Lower Upper
180 100
182 94.8 46.9 140.6
145 30.2 15.0 45.1

