

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032620\
 Data File : VD065528.D
 Acq On : 26 Mar 2020 16:34
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Mar 27 01:15:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:12:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	516426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	741993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	347162	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	86000	19.55	ug/l	0.00
Spiked Amount						
			Recovery	=	39.10%	
35) Dibromofluoromethane	7.92	113	91375	20.02	ug/l	0.00
Spiked Amount						
			Recovery	=	40.04%	
50) Toluene-d8	10.34	98	345738	19.81	ug/l	0.00
Spiked Amount						
			Recovery	=	39.62%	
62) 4-Bromofluorobenzene	12.64	95	109452	20.24	ug/l	0.00
Spiked Amount						
			Recovery	=	40.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	78057	18.582	ug/l	96
3) Chloromethane	2.21	50	103295	19.901	ug/l	97
4) Vinyl Chloride	2.35	62	101962	19.847	ug/l	98
5) Bromomethane	2.76	94	67754	20.211	ug/l	99
6) Chloroethane	2.92	64	64400	20.284	ug/l	94
7) Trichlorofluoromethane	3.27	101	149796	19.653	ug/l	98
8) Diethyl Ether	3.71	74	45755	19.933	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97640	19.750	ug/l	99
10) Methyl Iodide	4.30	142	103925	20.001	ug/l	100
11) Tert butyl alcohol	5.23	59	28260	111.973	ug/l #	73
12) 1,1-Dichloroethene	4.06	96	92390	19.575	ug/l	94
13) Acrolein	3.93	56	39871	90.123	ug/l	97
14) Allyl chloride	4.71	41	135492	18.746	ug/l	98
15) Acrylonitrile	5.43	53	97229	97.942	ug/l	98
16) Acetone	4.17	43	81648	92.356	ug/l	95
17) Carbon Disulfide	4.40	76	306181	19.553	ug/l	100
18) Methyl Acetate	4.72	43	42491	18.889	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	176419	19.286	ug/l	98
20) Methylene Chloride	4.96	84	127416	23.121	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	105084	19.974	ug/l	99
22) Diisopropyl ether	6.37	45	276069	20.376	ug/l	98
23) Vinyl Acetate	6.31	43	729791	97.166	ug/l	100
24) 1,1-Dichloroethane	6.27	63	173300	20.017	ug/l	99
25) 2-Butanone	7.22	43	110231	91.384	ug/l	97
26) 2,2-Dichloropropane	7.21	77	151809	19.952	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105454	19.574	ug/l	98
28) Bromochloromethane	7.55	49	70923	20.259	ug/l	98
29) Tetrahydrofuran	7.57	42	73931	95.995	ug/l	98
30) Chloroform	7.71	83	178708	20.565	ug/l	97
31) Cyclohexane	7.98	56	163415	18.953	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	163213	20.357	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142939	20.398	ug/l	98
37) Ethyl Acetate	7.30	43	55364	20.315	ug/l #	95
38) Carbon Tetrachloride	8.10	117	147144	20.184	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	163912	19.452	ug/l	99
40) Benzene	8.36	78	403368	20.547	ug/l	95
41) Methacrylonitrile	7.54	41	32324	21.902	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	107747	20.883	ug/l	97
43) Isopropyl Acetate	8.46	43	95168	18.968	ug/l	98
44) Trichloroethene	9.11	130	114655	20.628	ug/l	98
45) 1,2-Dichloropropane	9.39	63	100307	21.054	ug/l	94
46) Dibromomethane	9.48	93	51733	20.903	ug/l	99
47) Bromodichloromethane	9.67	83	137826	21.399	ug/l	100
48) Methyl methacrylate	9.46	41	49555	20.919	ug/l	95
49) 1,4-Dioxane	9.47	88	11789	413.725	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	248276	98.008	ug/l	99
52) Toluene	10.41	92	256509	20.703	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122652	20.357	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	151107	20.739	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	73553	20.867	ug/l	97
56) Ethyl methacrylate	10.67	69	75831	19.108	ug/l	96
57) 1,3-Dichloropropane	10.95	76	122920	20.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	201026	138.601	ug/l	100
59) 2-Hexanone	10.99	43	166615	95.280	ug/l	98
60) Dibromochloromethane	11.14	129	98144	21.679	ug/l	96
61) 1,2-Dibromoethane	11.25	107	69368	20.555	ug/l	99
64) Tetrachloroethene	10.88	164	102113	20.873	ug/l	94
65) Chlorobenzene	11.67	112	278954	20.675	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	104465	21.139	ug/l	99
67) Ethyl Benzene	11.75	91	466460	20.081	ug/l	100
68) m/p-Xylenes	11.86	106	372885	41.595	ug/l	100
69) o-Xylene	12.18	106	160208	20.306	ug/l	100
70) Styrene	12.20	104	289775	20.797	ug/l	100
71) Bromoform	12.37	173	57620	20.711	ug/l #	100
73) Isopropylbenzene	12.48	105	442691	19.790	ug/l	99
74) N-amyl acetate	12.30	43	84622	18.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	77835	19.694	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	98017	35.510	ug/l #	100
77) Bromobenzene	12.77	156	115144	20.508	ug/l	99
78) n-propylbenzene	12.83	91	527531	19.805	ug/l	99
79) 2-Chlorotoluene	12.91	91	301501	20.042	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	375382	20.395	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24303	18.982	ug/l	97
82) 4-Chlorotoluene	13.01	91	329364	20.853	ug/l	99
83) tert-Butylbenzene	13.23	119	304475	19.510	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	374044	20.564	ug/l	99
85) sec-Butylbenzene	13.41	105	438599	19.768	ug/l	99
86) p-Isopropyltoluene	13.53	119	410926	20.273	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	222793	20.632	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	218766	20.351	ug/l	97
89) n-Butylbenzene	13.86	91	356641	19.113	ug/l	99
90) Hexachloroethane	14.12	117	84944	20.333	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	189480	20.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11178	18.507	ug/l	95

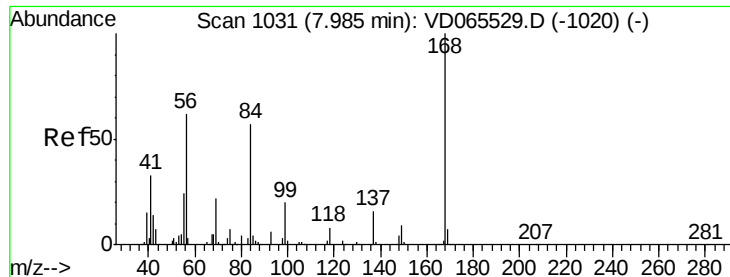
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032620\
Data File : VD065528.D
Acq On : 26 Mar 2020 16:34
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	124860	20.011	ug/l	99
94) Hexachlorobutadiene	15.28	225	83064	20.389	ug/l	99
95) Naphthalene	15.41	128	177869	17.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	106772	19.808	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

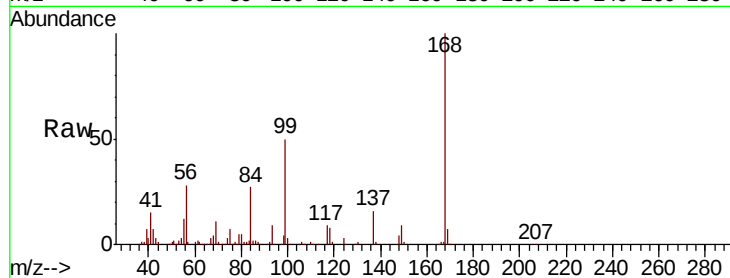
VSTDIC020

Tot Ion:168 Resp: 516426

Ion Ratio Lower Upper

168 100

99 50.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

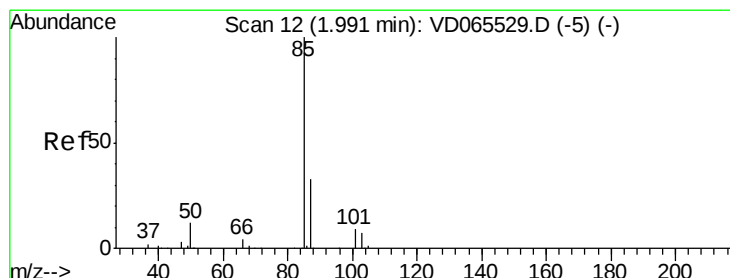
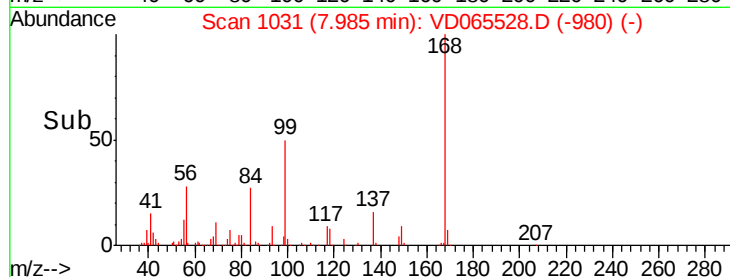
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.582 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065528.D

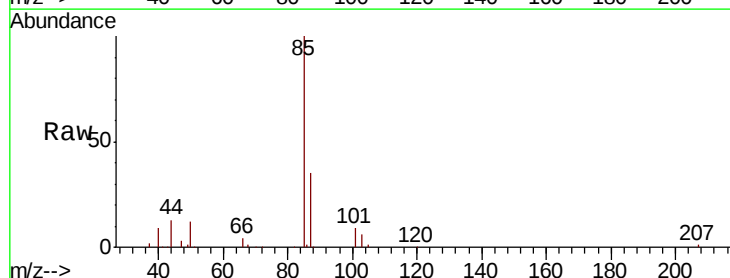
Acq: 26 Mar 2020 16:34

Tgt Ion: 85 Resp: 78057

Ion Ratio Lower Upper

85 100

87 34.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

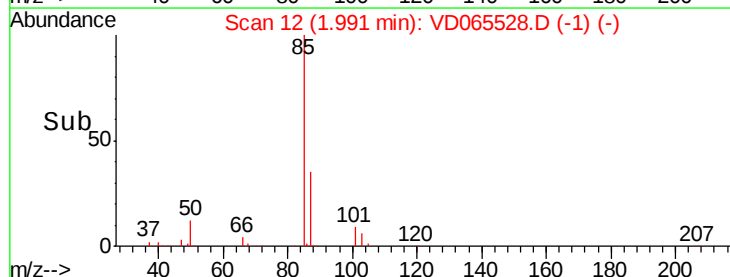
20000

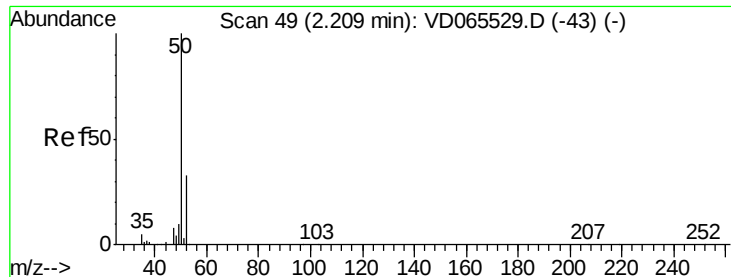
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.901 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

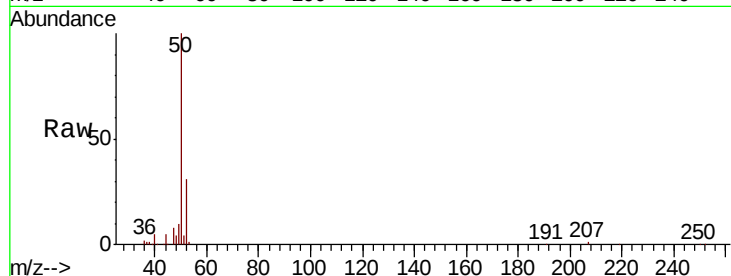
VSTDIC020

Tot Ion: 50 Resp: 103295

Ion Ratio Lower Upper

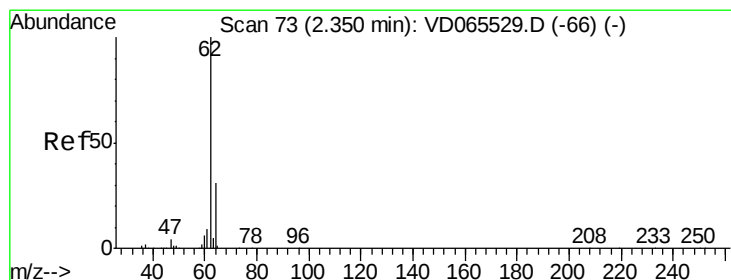
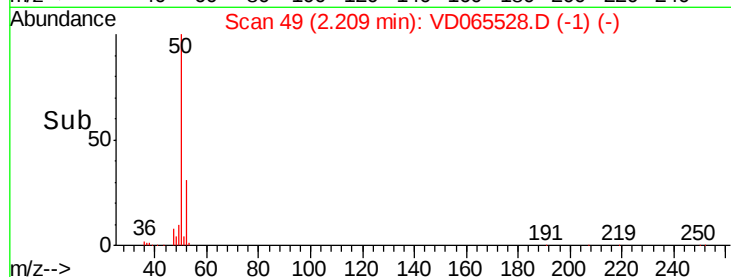
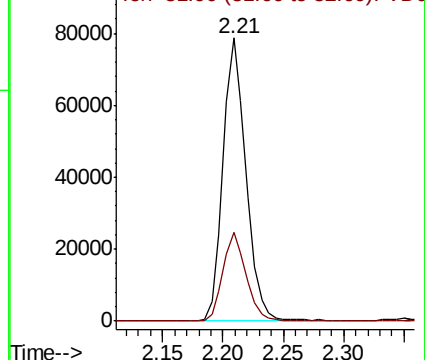
50 100

52 31.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.847 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065528.D

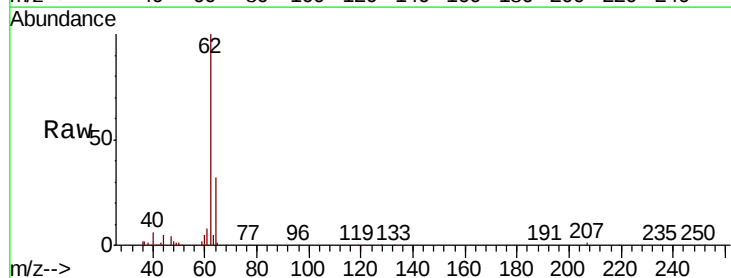
Acq: 26 Mar 2020 16:34

Tgt Ion: 62 Resp: 101962

Ion Ratio Lower Upper

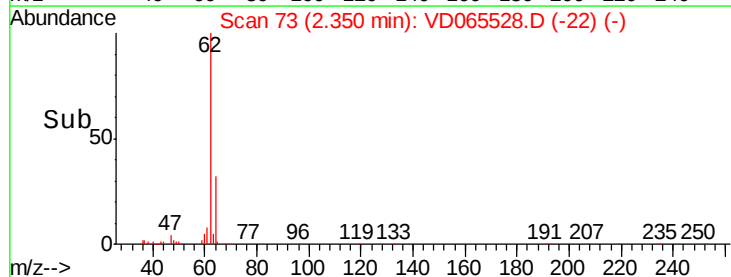
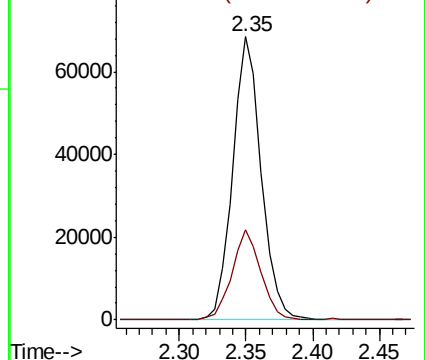
62 100

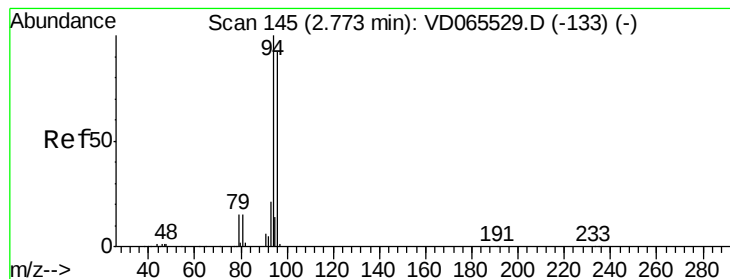
64 32.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.211 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

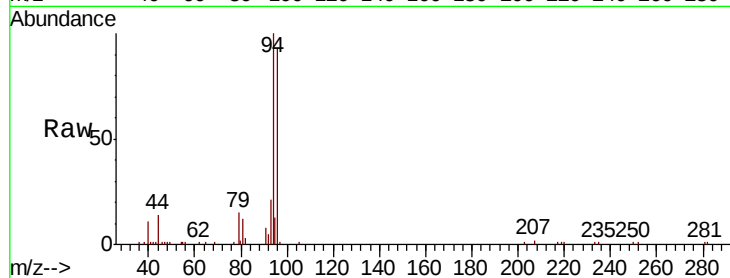
VSTDIC020

Tot Ion: 94 Resp: 67754

Ion Ratio Lower Upper

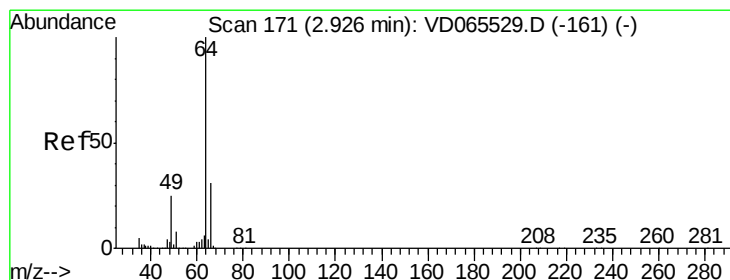
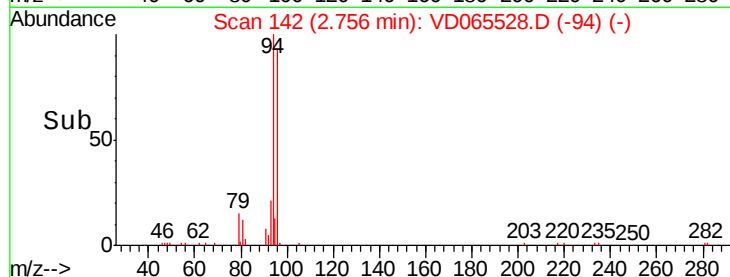
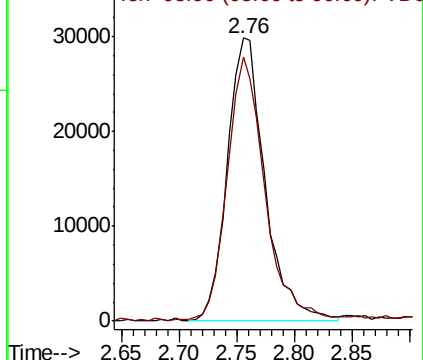
94 100

96 92.9 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.284 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065528.D

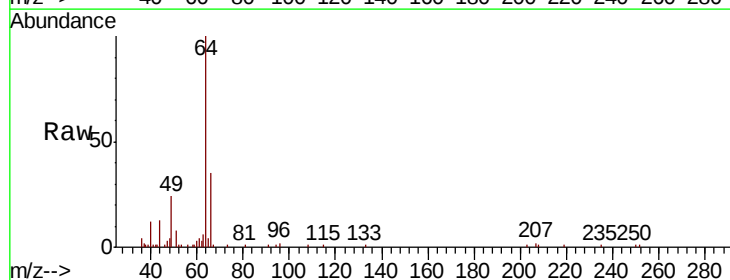
Acq: 26 Mar 2020 16:34

Tgt Ion: 64 Resp: 64400

Ion Ratio Lower Upper

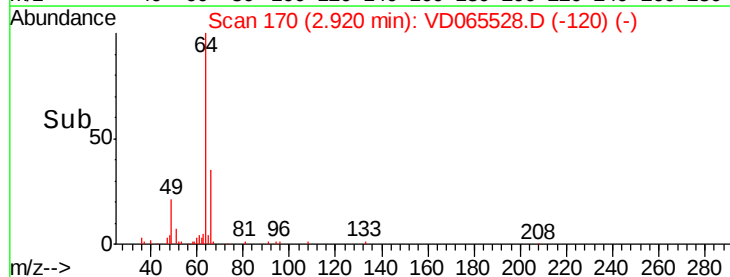
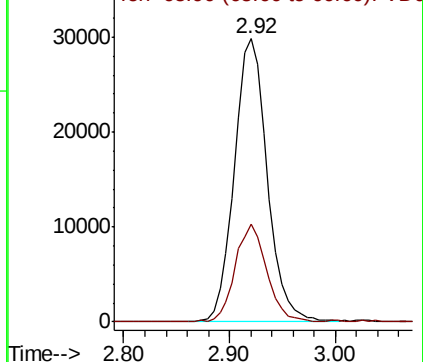
64 100

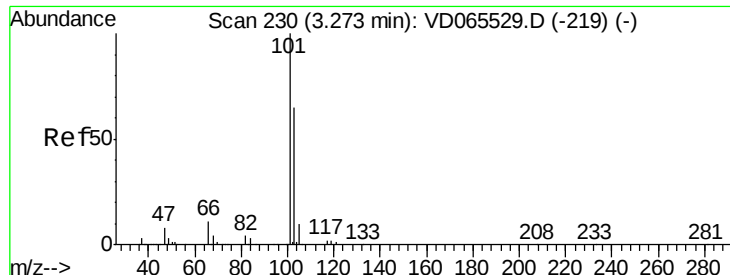
66 34.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



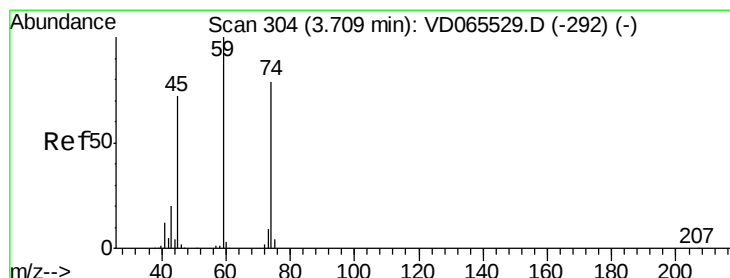
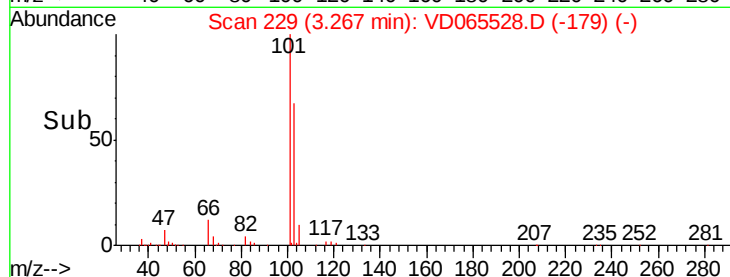
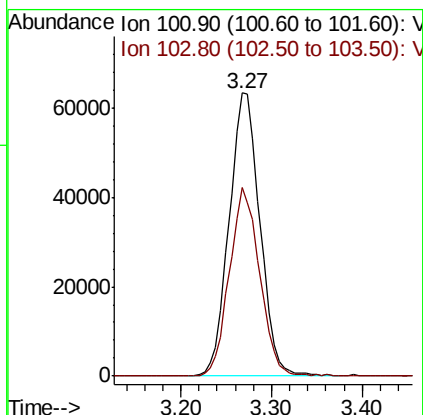
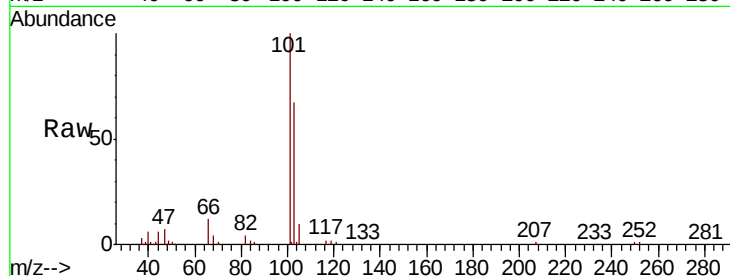


#7

Trichlorofluoromethane
Concen: 19.653 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

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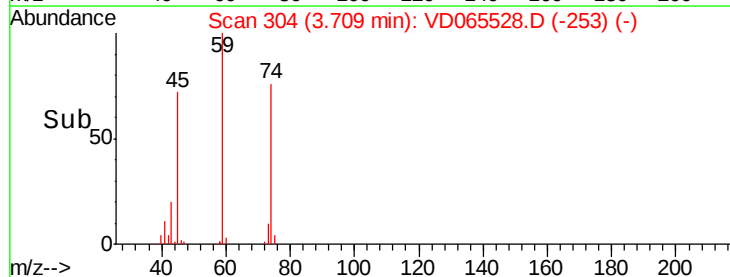
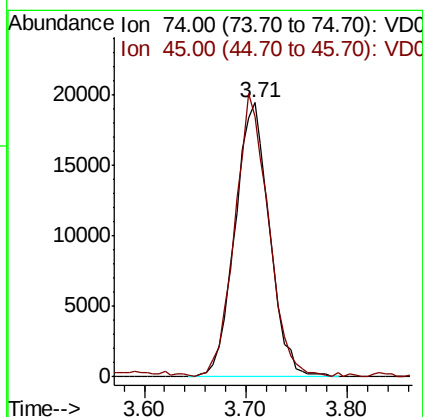
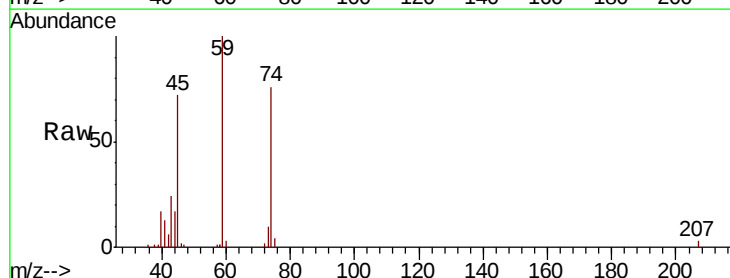
Tot Ion:101 Resp: 149796
Ion Ratio Lower Upper
101 100
103 66.6 51.9 77.9

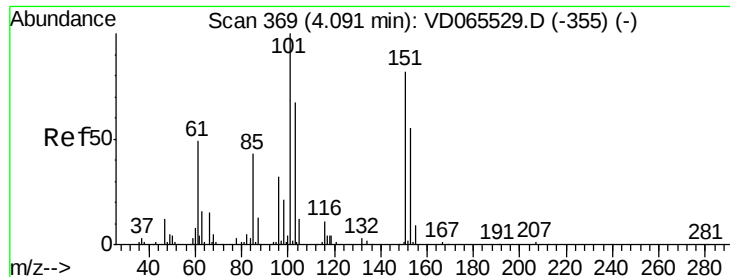


#8

Diethyl Ether
Concen: 19.933 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion: 74 Resp: 45755
Ion Ratio Lower Upper
74 100
45 101.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.750 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

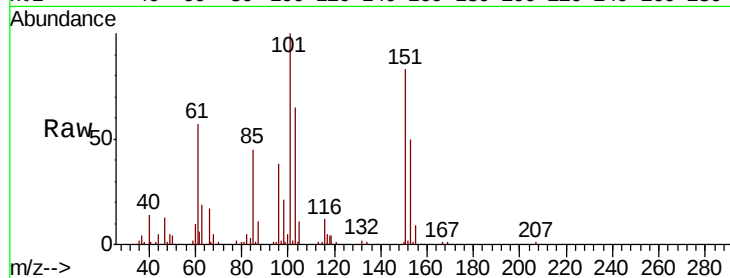
Tot Ion:101 Resp: 97640

Ion Ratio Lower Upper

101 100

85 42.3 32.6 48.8

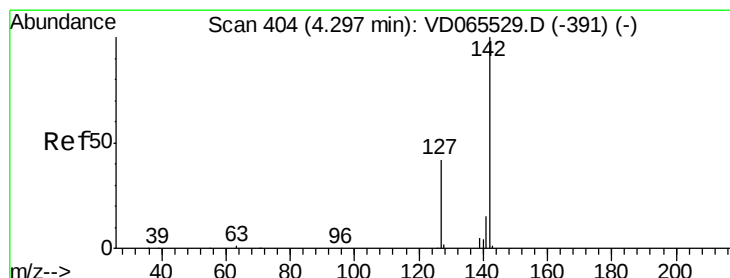
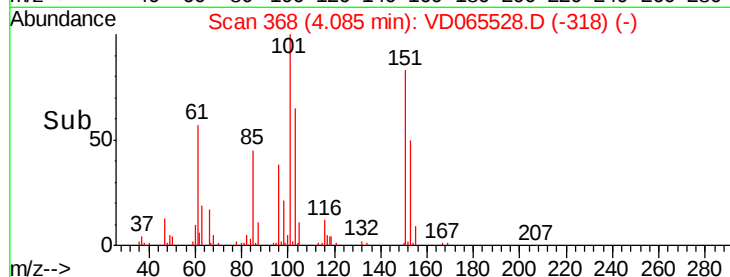
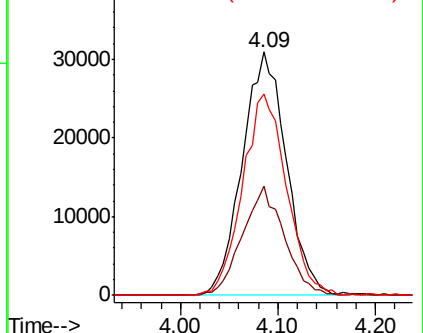
151 81.8 65.5 98.3



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: 20.001 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

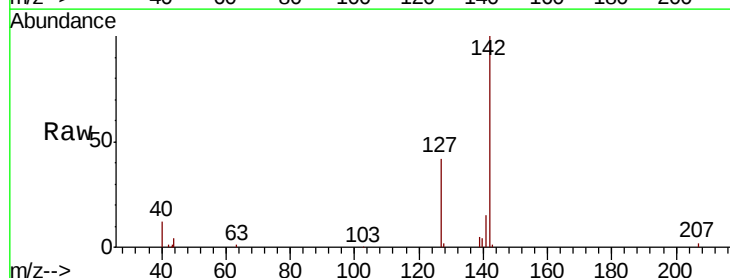
Tgt Ion:142 Resp: 103925

Ion Ratio Lower Upper

142 100

127 42.6 33.9 50.9

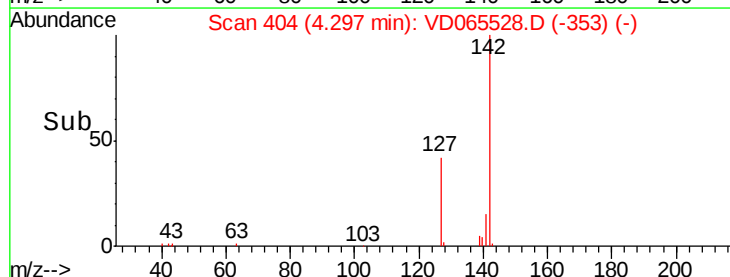
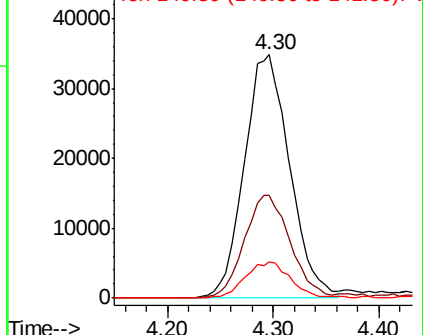
141 14.9 11.6 17.4

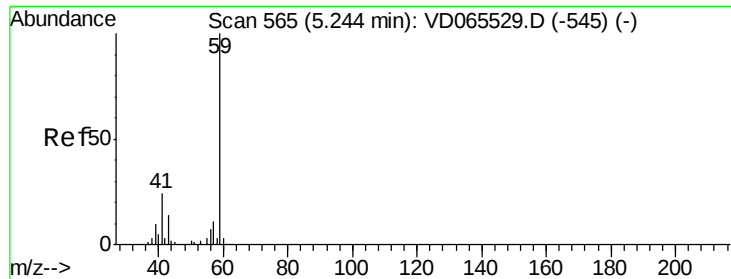


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



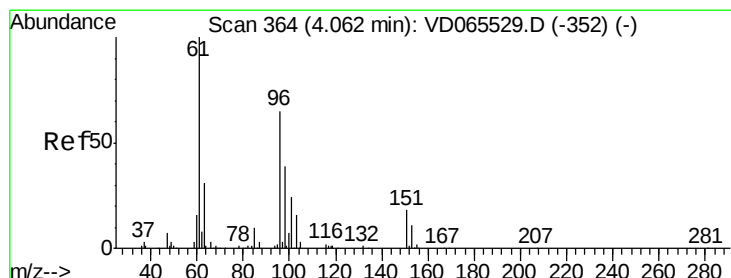
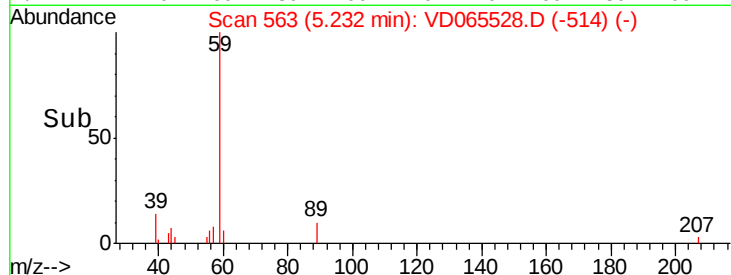
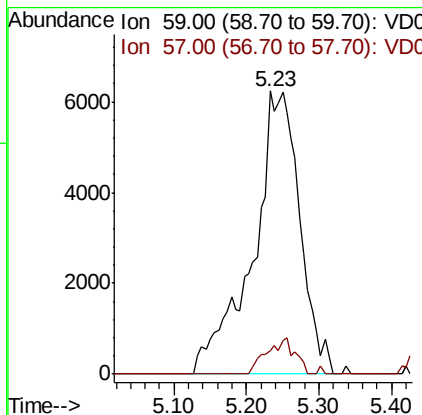
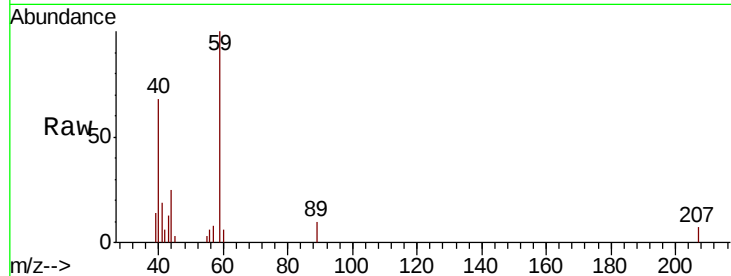


#11

Tert butyl alcohol
Concen: 111.973 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

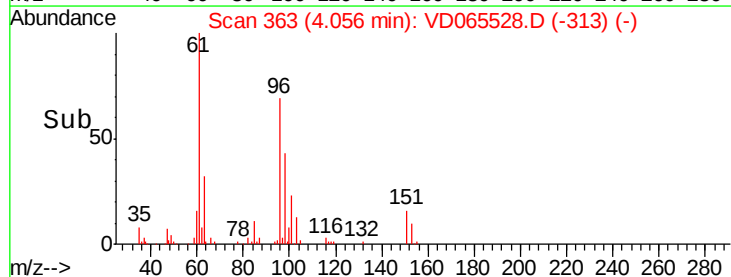
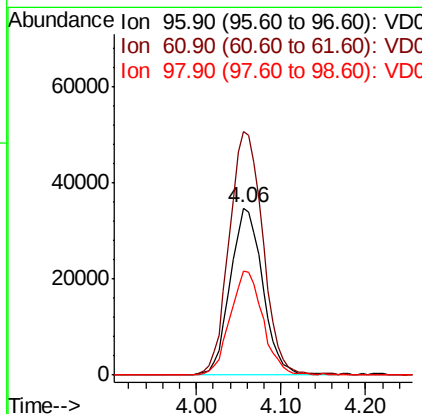
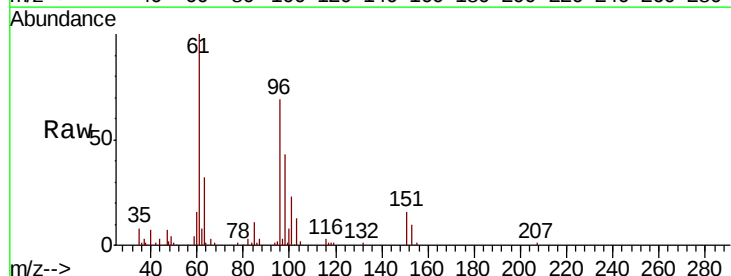
Tot Ion: 59 Resp: 28260
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

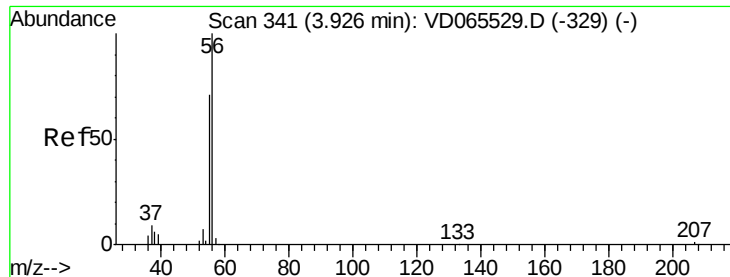


#12

1,1-Dichloroethene
Concen: 19.575 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion: 96 Resp: 92390
Ion Ratio Lower Upper
96 100
61 145.7 124.0 186.0
98 62.5 48.2 72.4





#13

Acrolein

Concen: 90.123 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

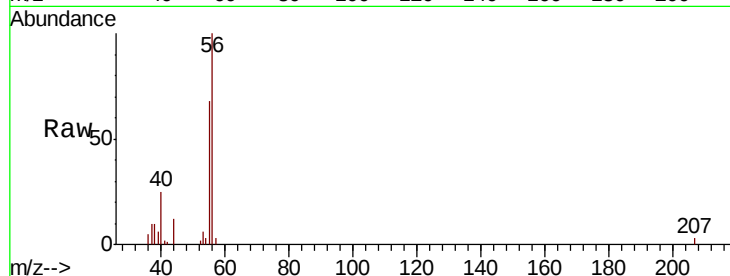
VSTDIC020

Tot Ion: 56 Resp: 39871

Ion Ratio Lower Upper

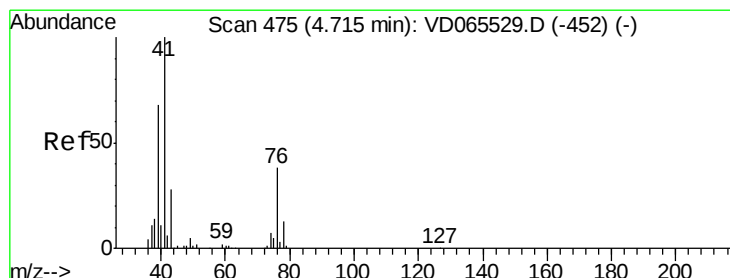
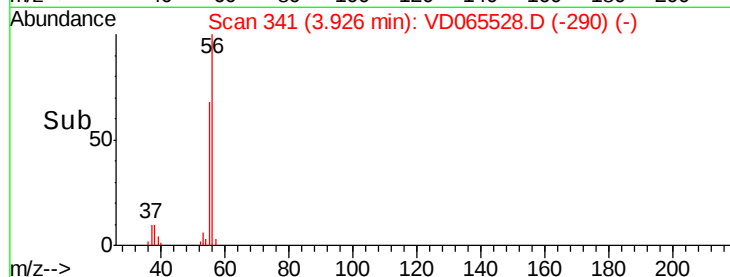
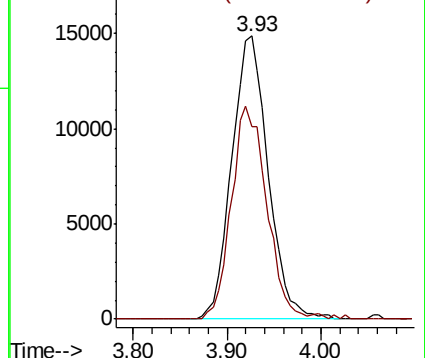
56 100

55 72.8 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.746 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

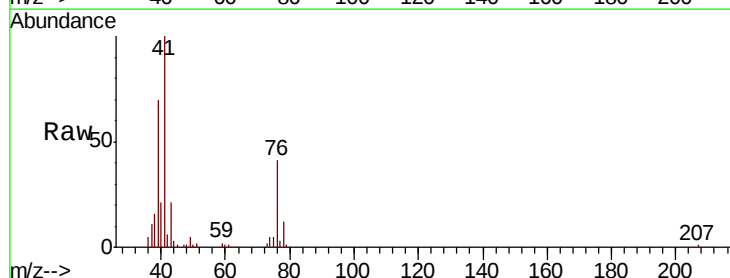
Tgt Ion: 41 Resp: 135492

Ion Ratio Lower Upper

41 100

39 67.1 52.9 79.3

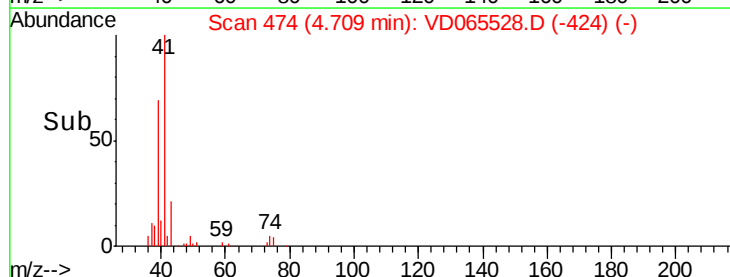
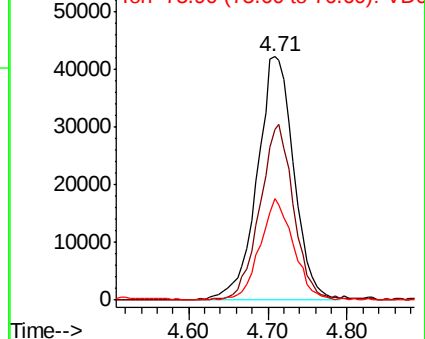
76 38.0 28.9 43.3

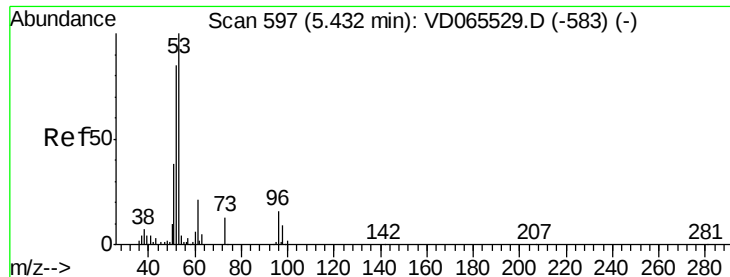


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 97.942 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

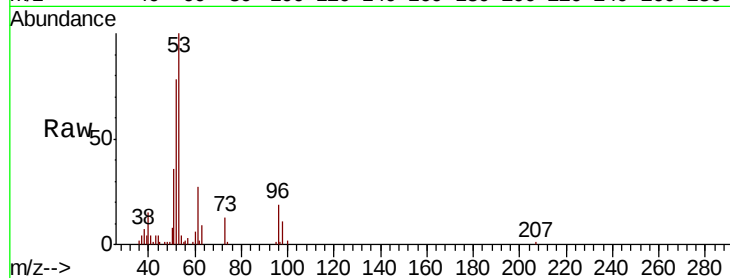
Tot Ion: 53 Resp: 97229

Ion Ratio Lower Upper

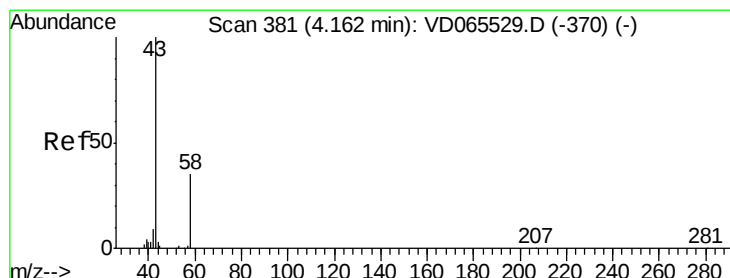
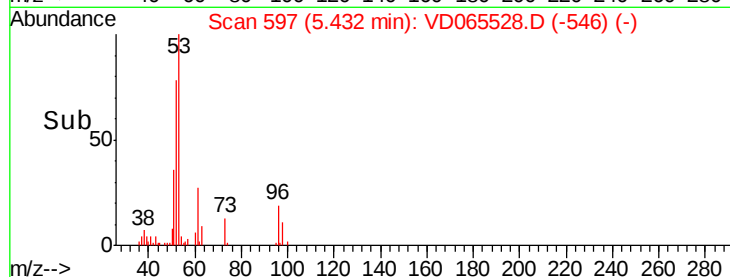
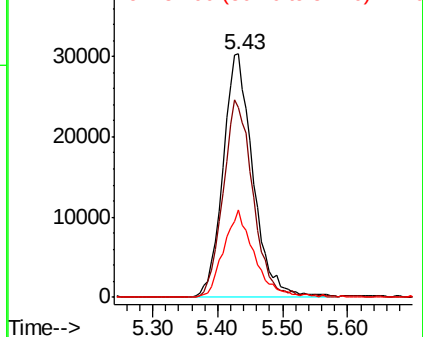
53 100

52 80.7 65.8 98.6

51 36.0 29.7 44.5



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: 92.356 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065528.D

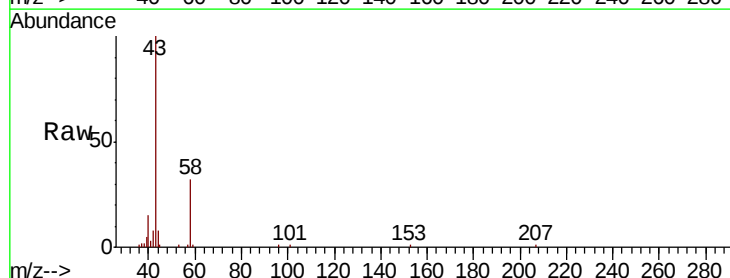
Acq: 26 Mar 2020 16:34

Tgt Ion: 43 Resp: 81648

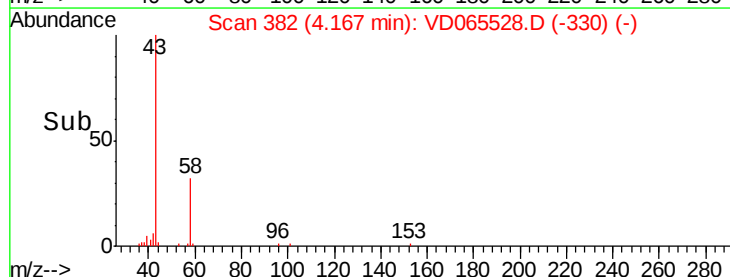
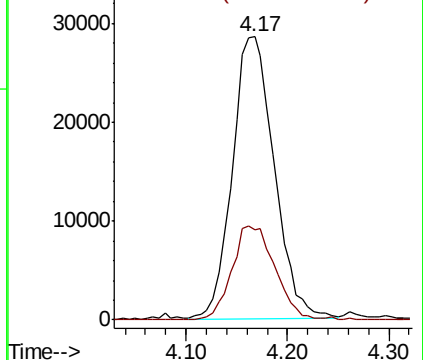
Ion Ratio Lower Upper

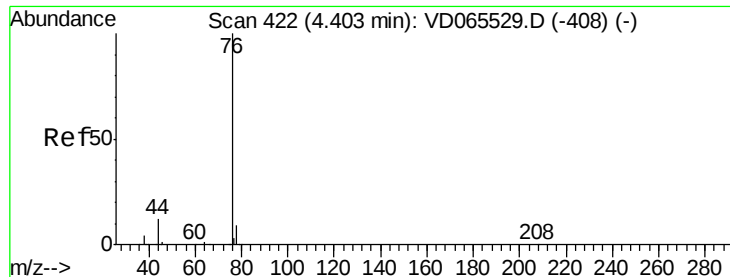
43 100

58 32.1 27.9 41.9



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





#17

Carbon Disulfide

Concen: 19.553 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

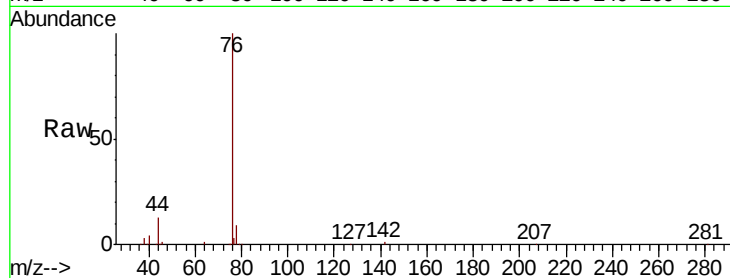
VSTDIC020

Tot Ion: 76 Resp: 306181

Ion Ratio Lower Upper

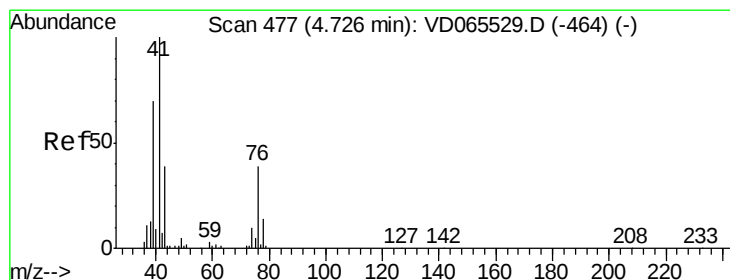
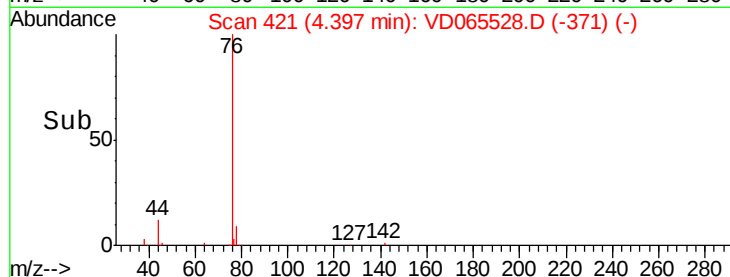
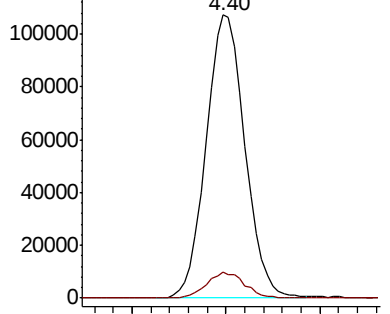
76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.889 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065528.D

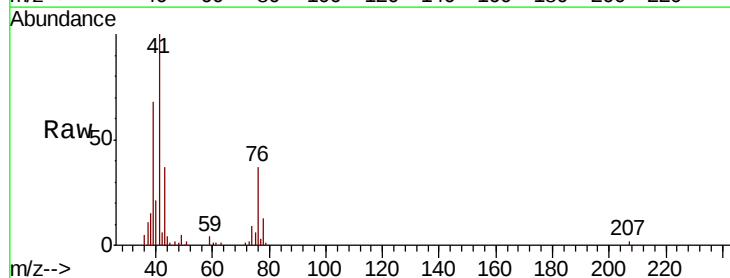
Acq: 26 Mar 2020 16:34

Tgt Ion: 43 Resp: 42491

Ion Ratio Lower Upper

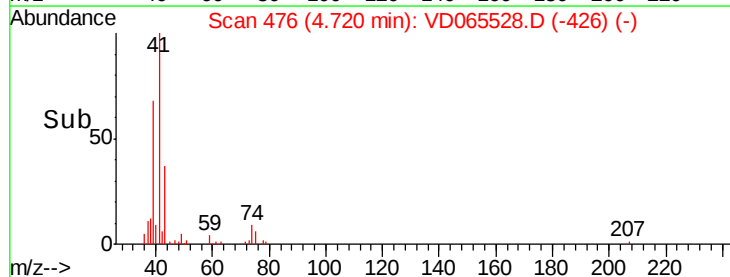
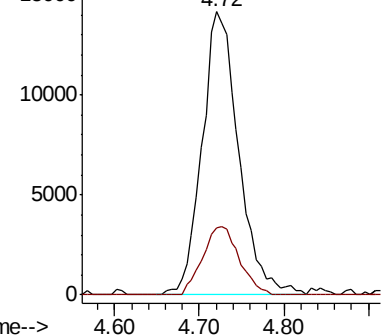
43 100

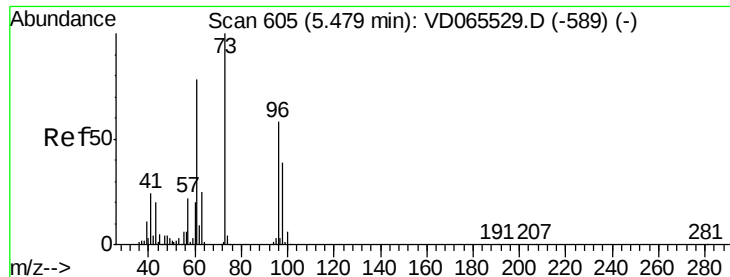
74 24.1 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

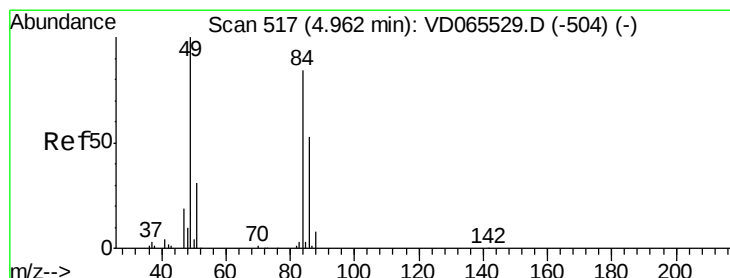
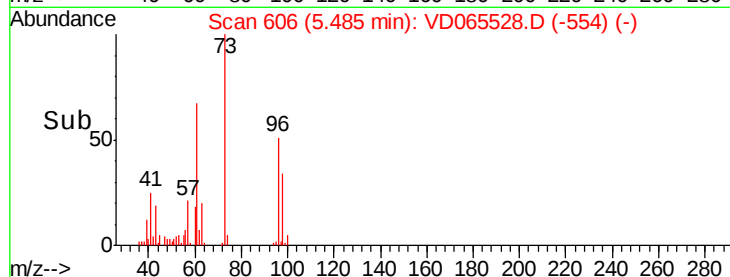
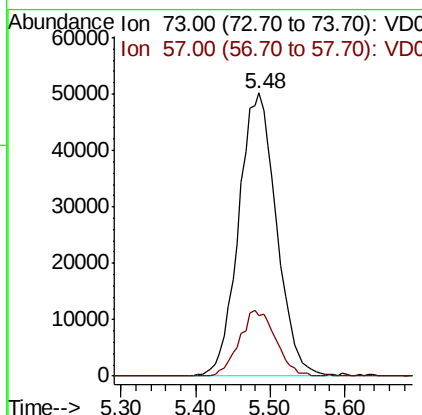
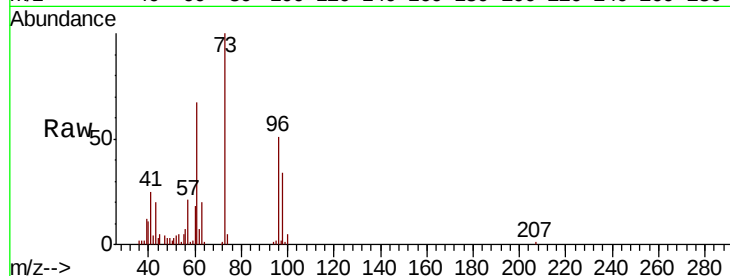




#19
Methyl tert-butyl Ether
Concen: 19.286 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

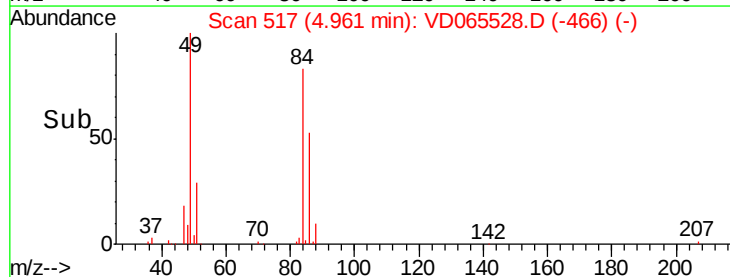
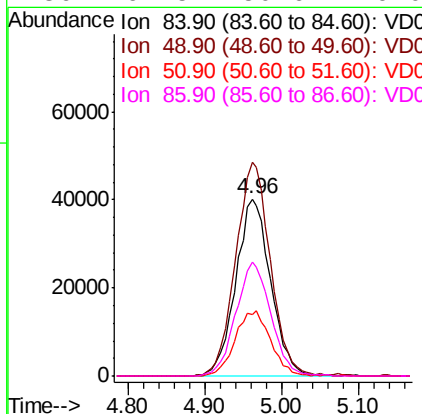
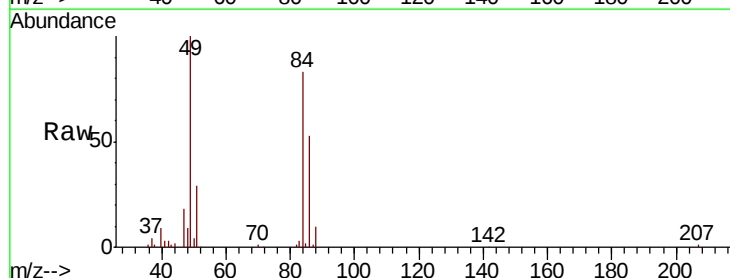
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

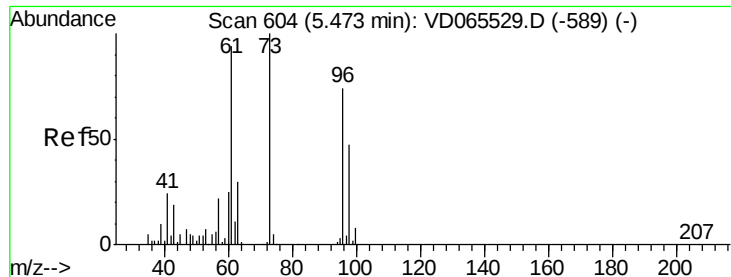
Tot Ion: 73 Resp: 176419
Ion Ratio Lower Upper
73 100
57 21.3 17.7 26.5



#20
Methylene Chloride
Concen: 23.121 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion: 84 Resp: 127416
Ion Ratio Lower Upper
84 100
49 120.9 95.6 143.4
51 34.9 29.4 44.2
86 64.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.974 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

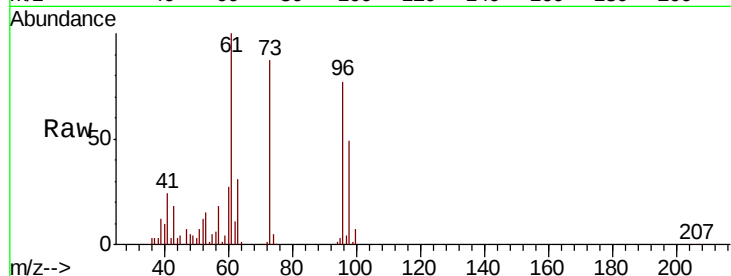
Tot Ion: 96 Resp: 105084

Ion Ratio Lower Upper

96 100

61 129.1 101.8 152.6

98 63.9 51.4 77.2

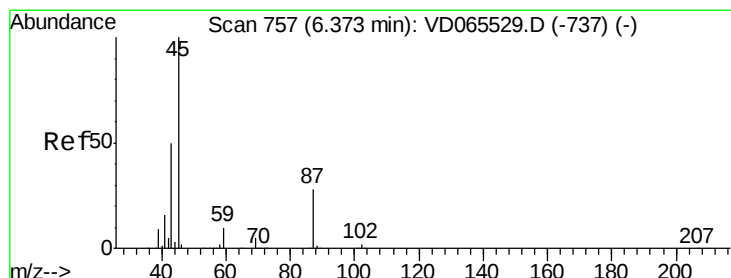
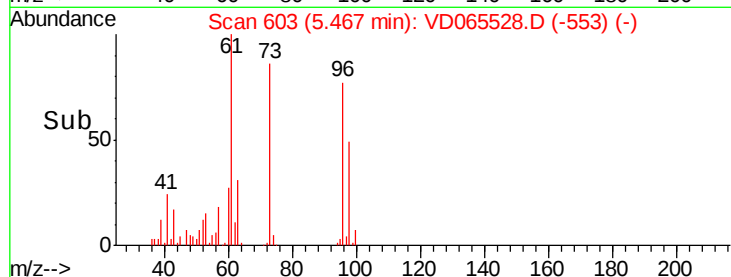
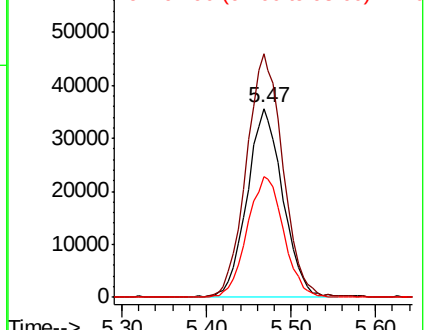


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.376 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Tgt Ion: 45 Resp: 276069

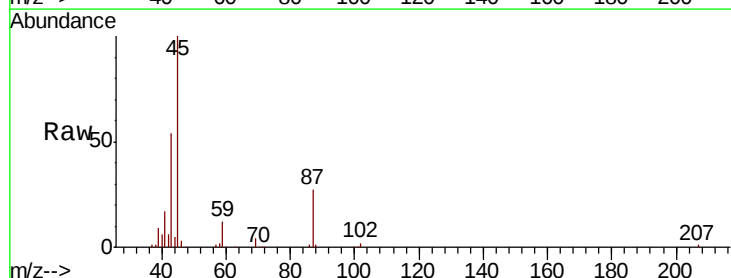
Ion Ratio Lower Upper

45 100

43 52.5 40.5 60.7

87 27.2 22.5 33.7

59 12.0 8.6 12.8



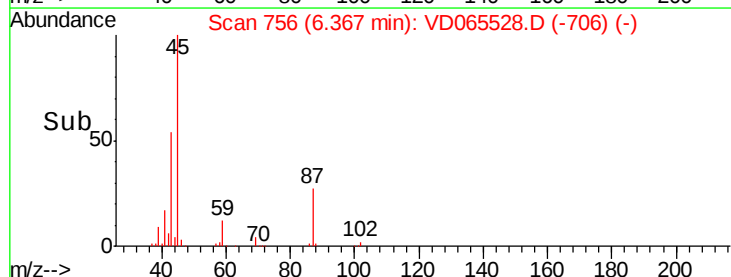
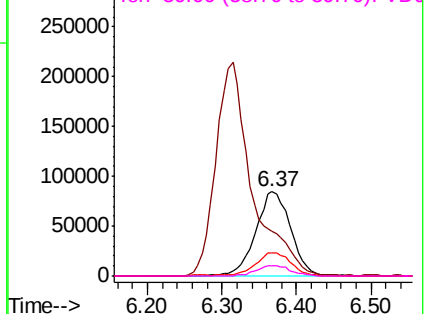
Abundance

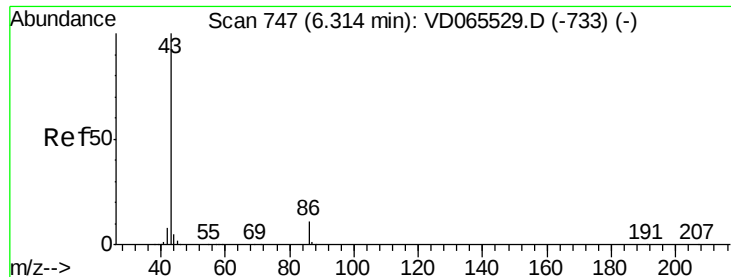
Ion 45.00 (44.70 to 45.70): VDC

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: 97.166 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

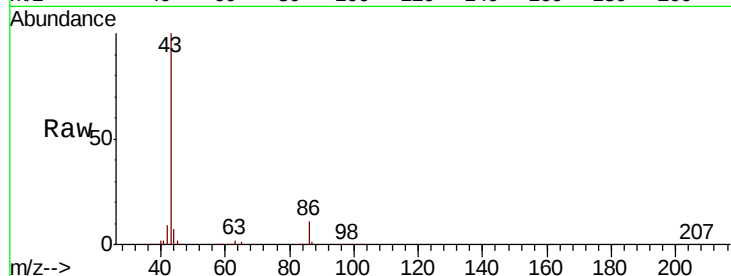
VSTDIC020

Tot Ion: 43 Resp: 729791

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

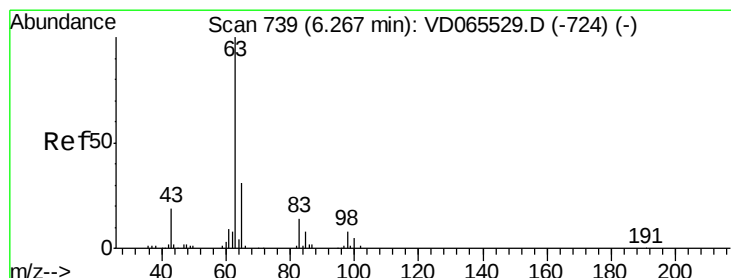
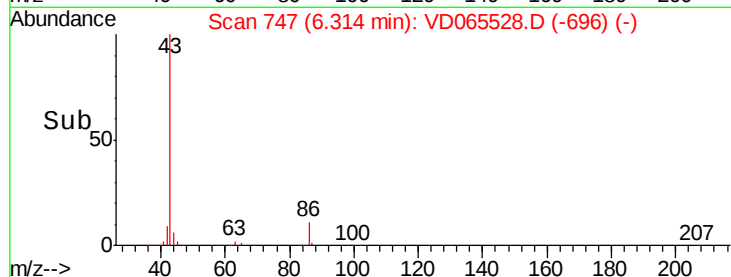
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.017 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

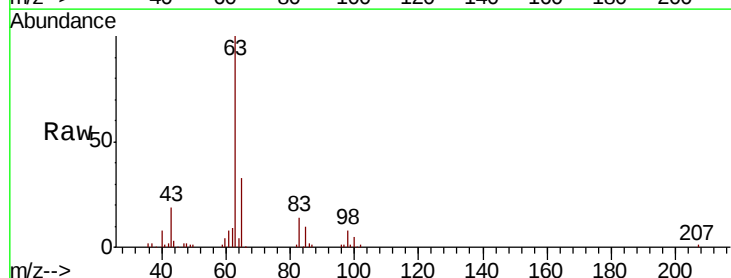
Tgt Ion: 63 Resp: 173300

Ion Ratio Lower Upper

63 100

98 7.9 4.2 12.6

100 4.8 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

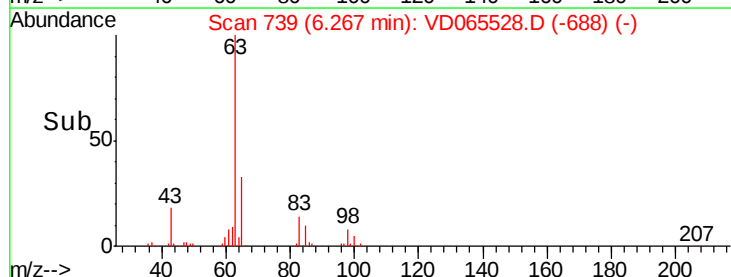
60000

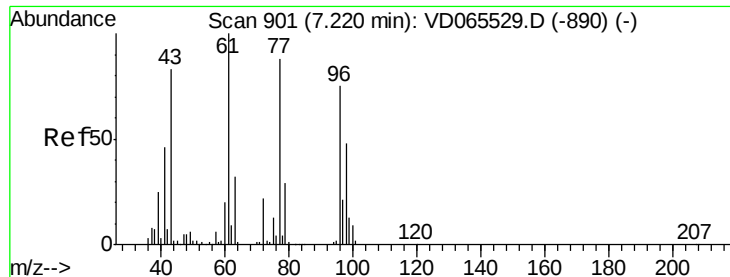
40000

20000

0

Time-->





#25

2-Butanone

Concen: 91.384 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

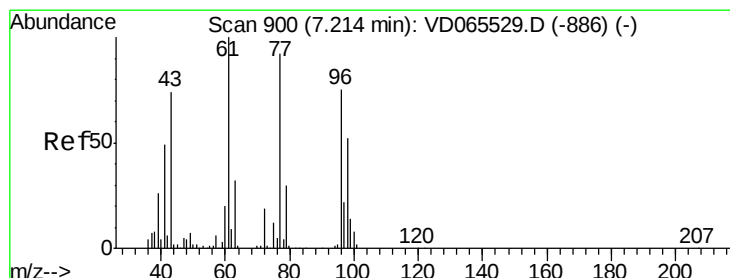
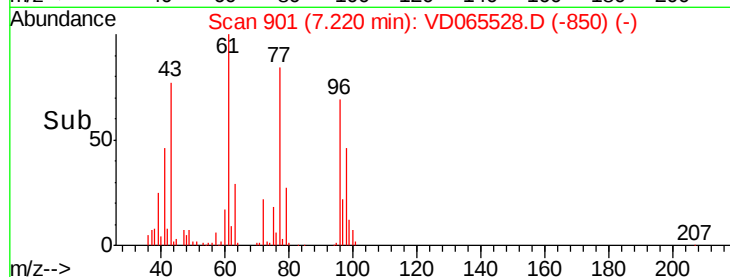
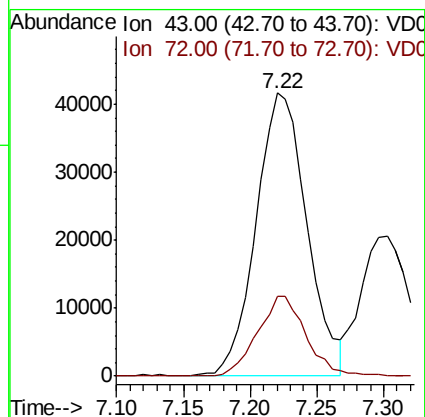
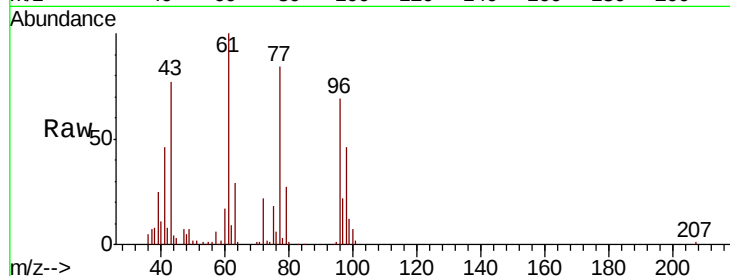
VSTDIC020

Tot Ion: 43 Resp: 110231

Ion Ratio Lower Upper

43 100

72 28.2 21.5 32.3



#26

2,2-Dichloropropane

Concen: 19.952 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065528.D

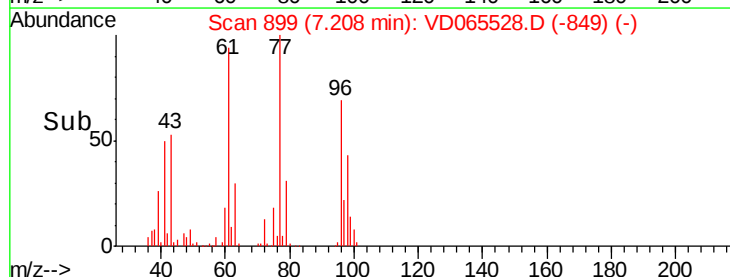
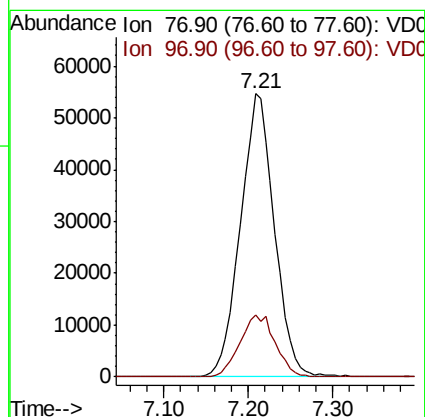
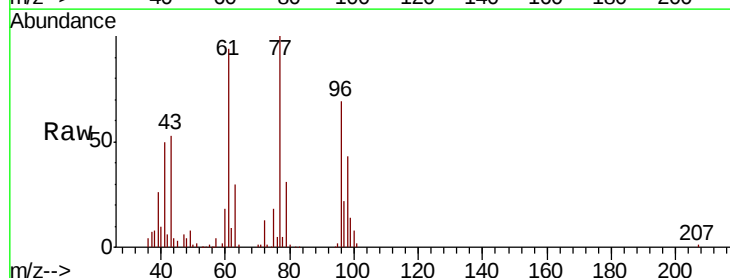
Acq: 26 Mar 2020 16:34

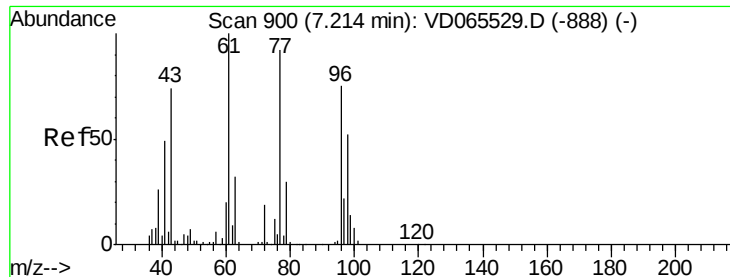
Tgt Ion: 77 Resp: 151809

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.1



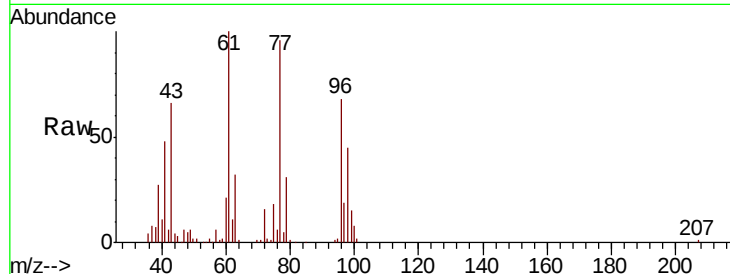


#27

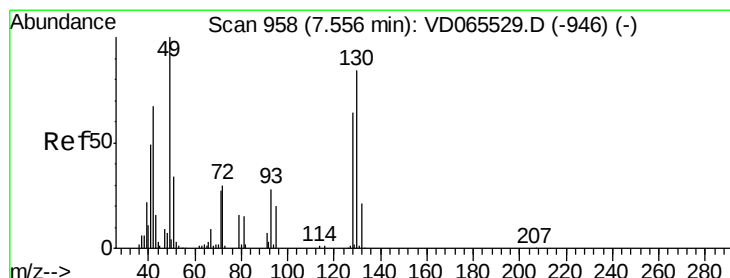
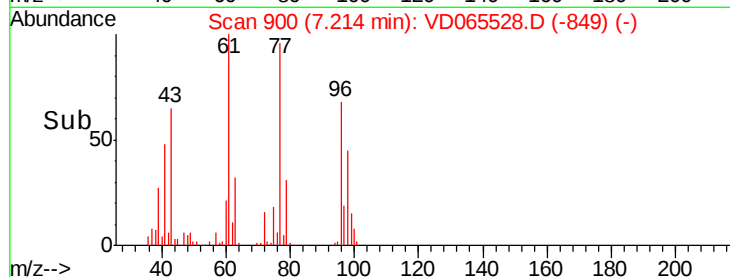
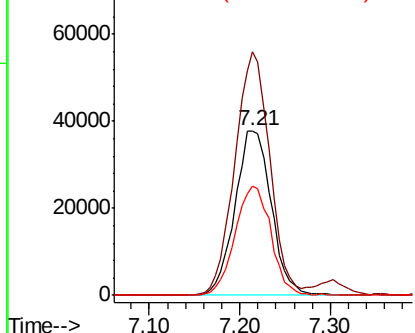
cis-1,2-Dichloroethene
 Concen: 19.574 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 105454
 Ion Ratio Lower Upper
 96 100
 61 141.9 0.0 278.0
 98 65.4 0.0 129.6



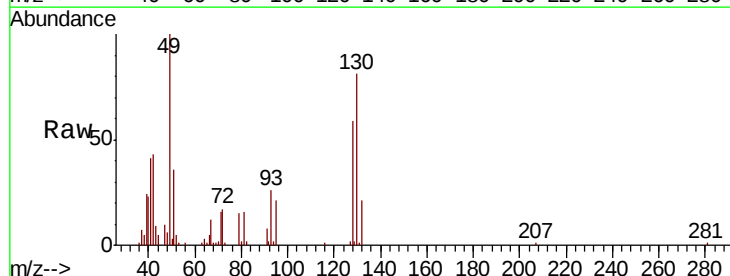
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



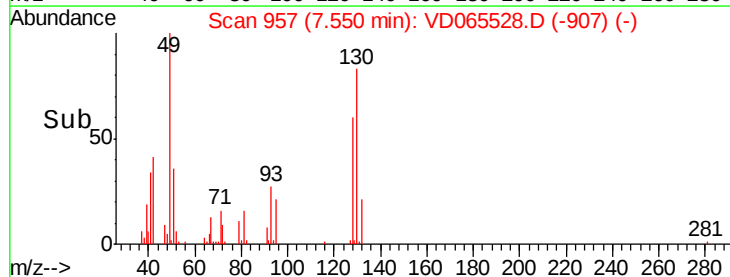
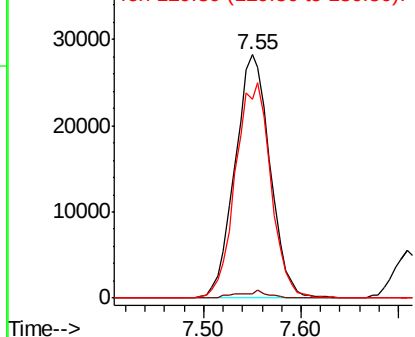
#28

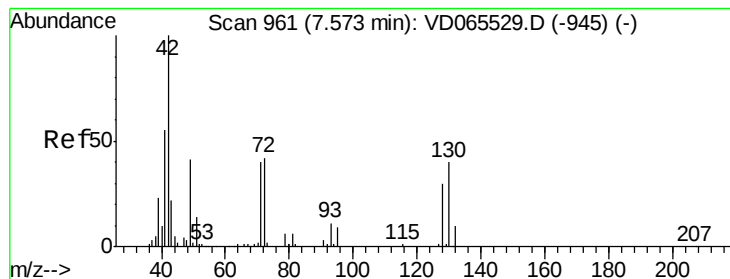
Bromochloromethane
 Concen: 20.259 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Tgt Ion: 49 Resp: 70923
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.4
 130 89.0 69.7 104.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 95.995 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

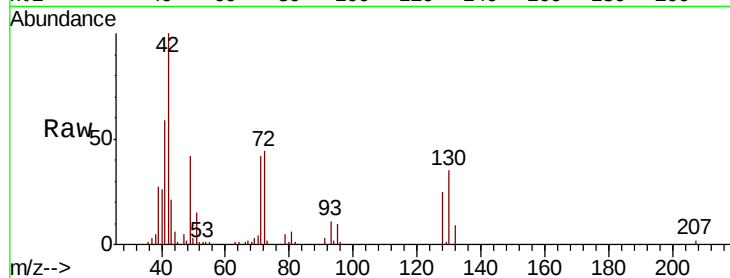
Tot Ion: 42 Resp: 73931

Ion Ratio Lower Upper

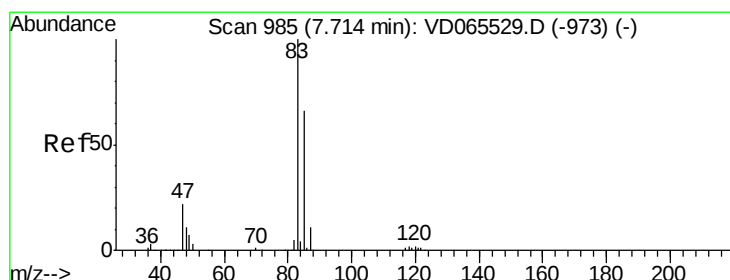
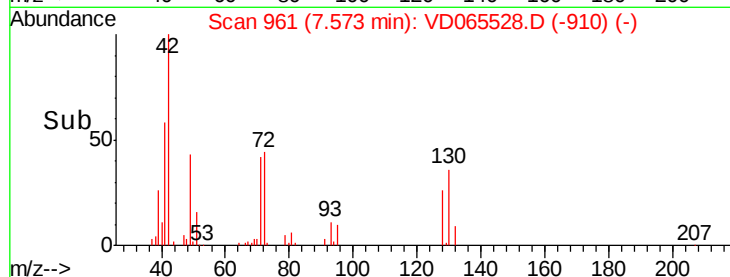
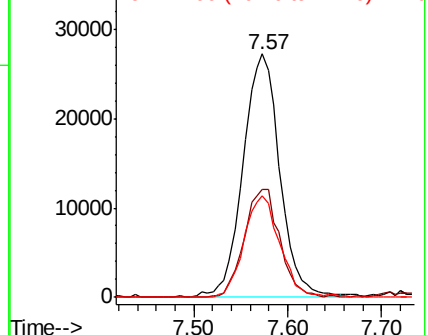
42 100

72 42.6 35.0 52.6

71 40.2 33.0 49.6



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: 20.565 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065528.D

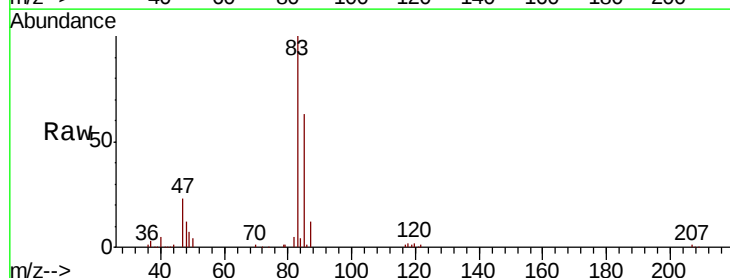
Acq: 26 Mar 2020 16:34

Tgt Ion: 83 Resp: 178708

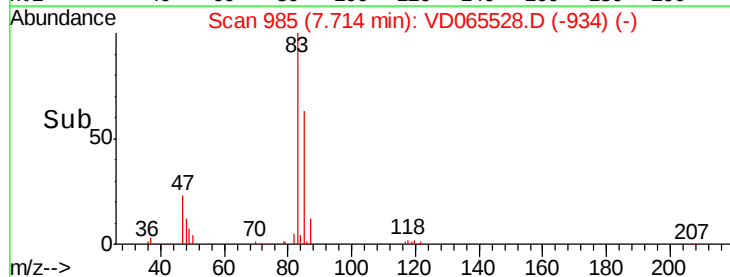
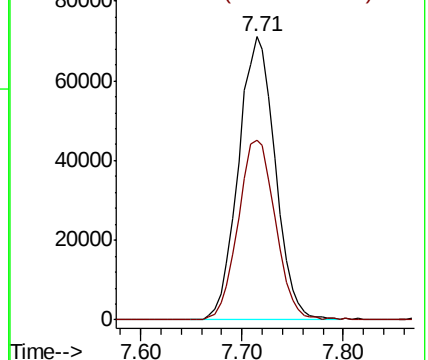
Ion Ratio Lower Upper

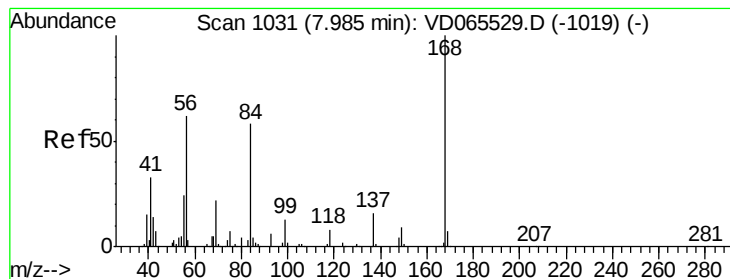
83 100

85 63.4 52.9 79.3



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





#31

Cyclohexane

Concen: 18.953 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

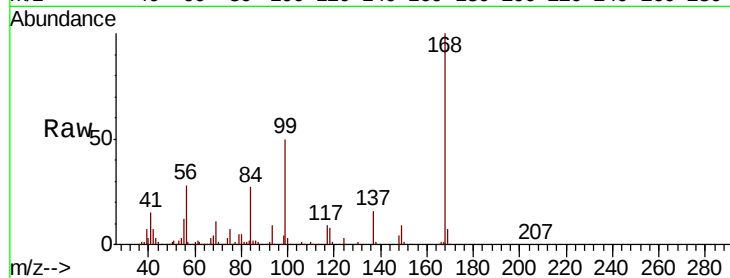
Tot Ion: 56 Resp: 163415

Ion Ratio Lower Upper

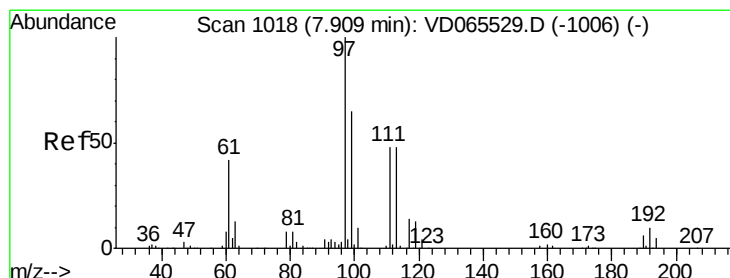
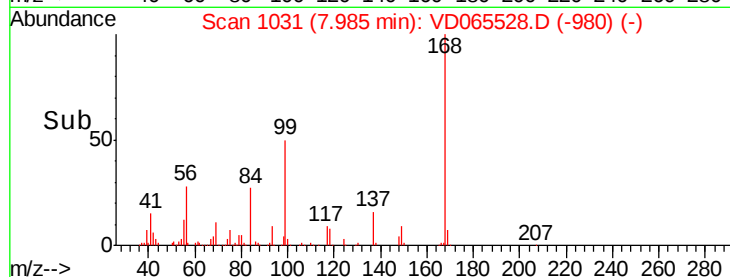
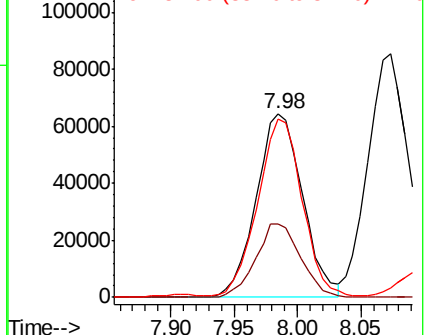
56 100

69 39.9 28.2 42.4

84 95.8 73.4 110.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.357 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

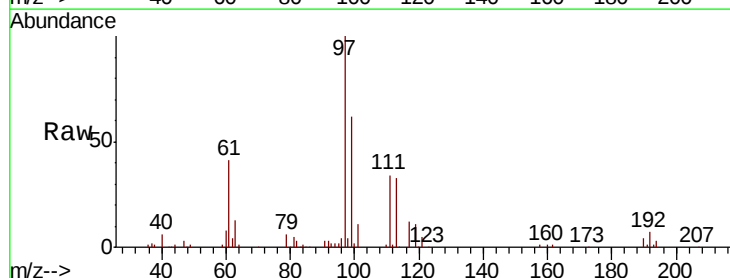
Tgt Ion: 97 Resp: 163213

Ion Ratio Lower Upper

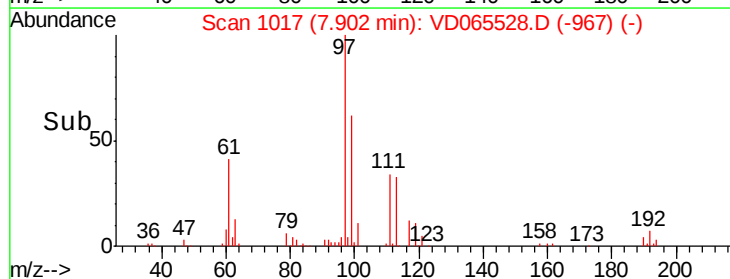
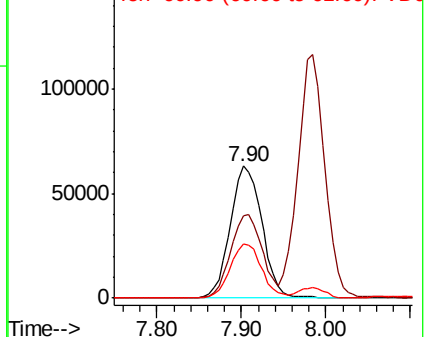
97 100

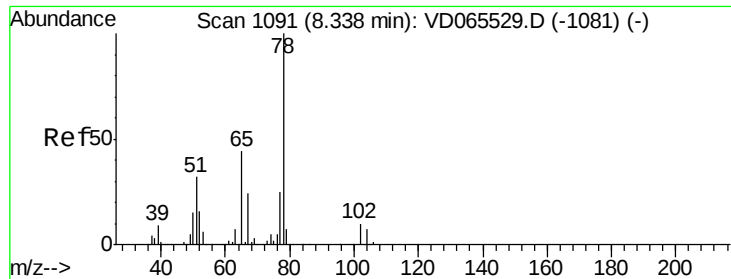
99 63.4 51.2 76.8

61 41.1 33.4 50.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.553 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

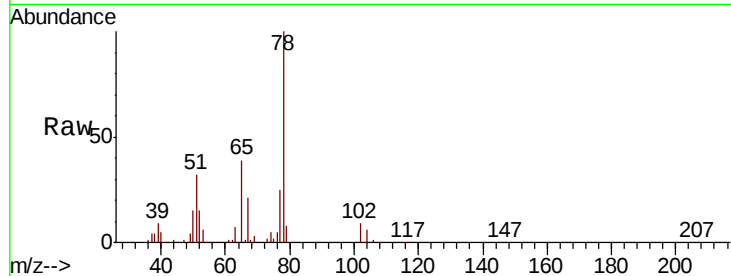
VSTDIC020

Tot Ion: 65 Resp: 86000

Ion Ratio Lower Upper

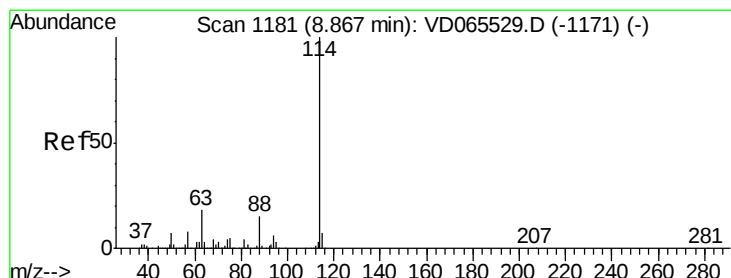
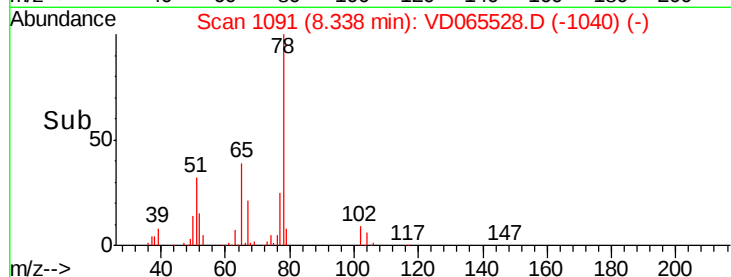
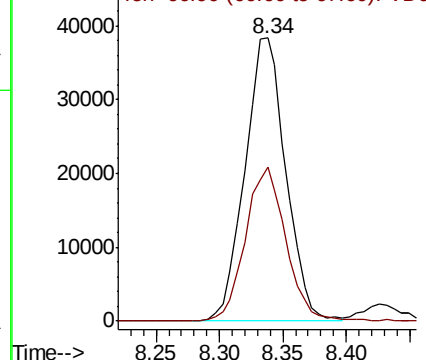
65 100

67 53.6 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

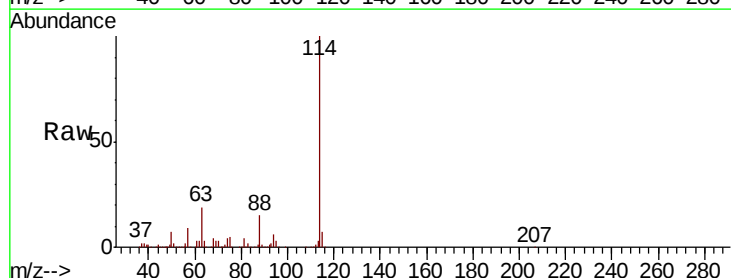
Tgt Ion: 114 Resp: 741993

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.0

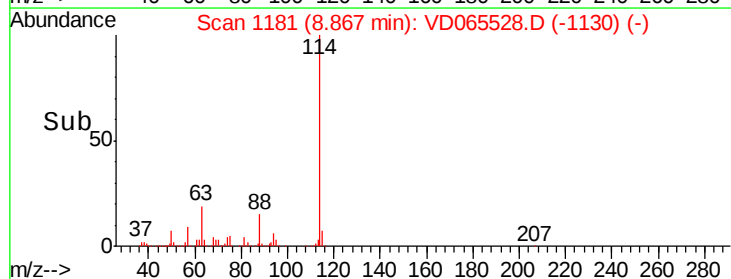
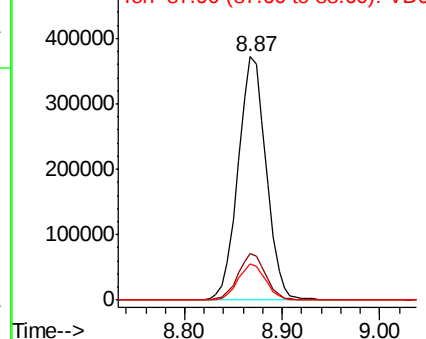
88 14.7 0.0 30.4

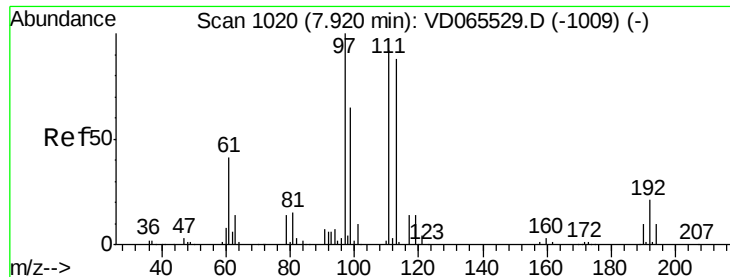


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 20.024 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

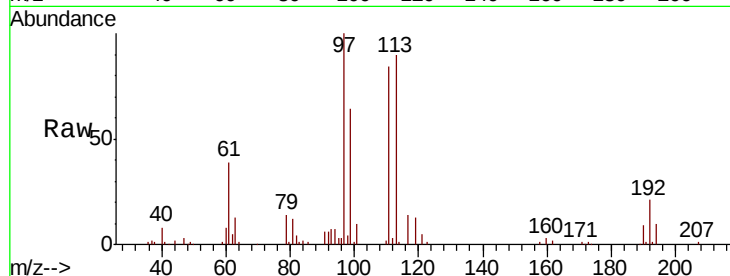
Tot Ion:113 Resp: 91375

Ion Ratio Lower Upper

113 100

111 104.9 83.3 124.9

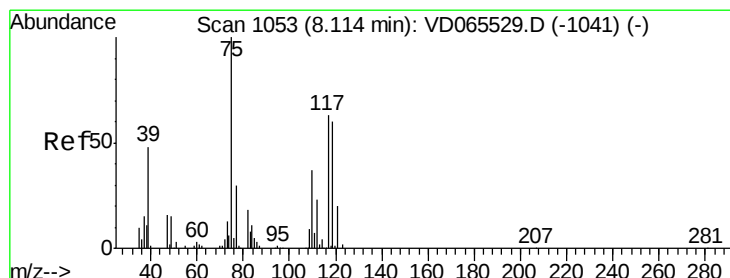
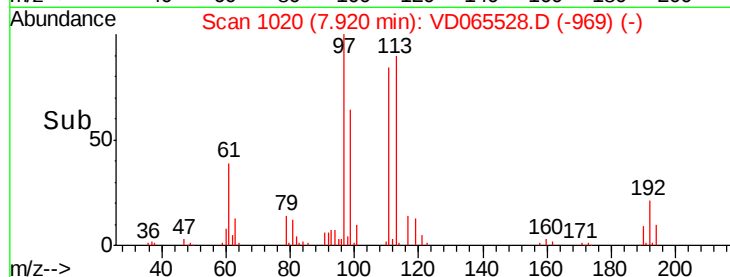
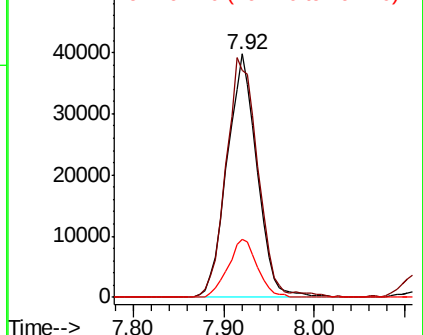
192 23.4 18.5 27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.398 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

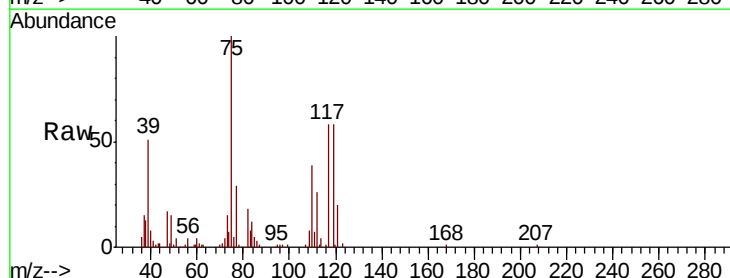
Tgt Ion: 75 Resp: 142939

Ion Ratio Lower Upper

75 100

110 36.6 18.8 56.4

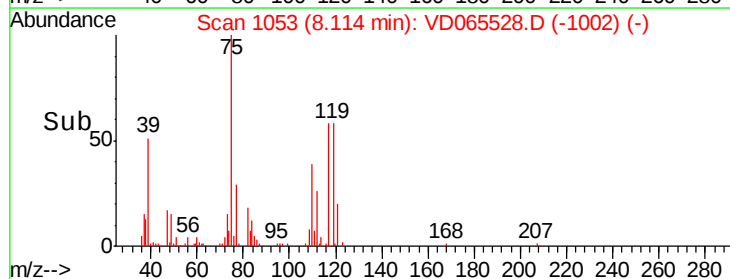
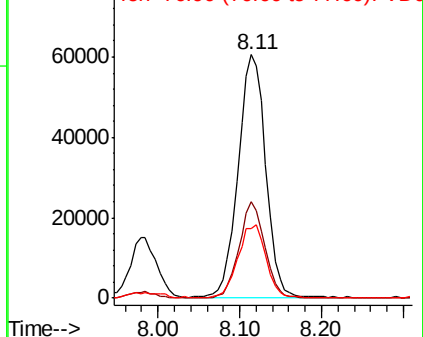
77 30.6 25.1 37.7

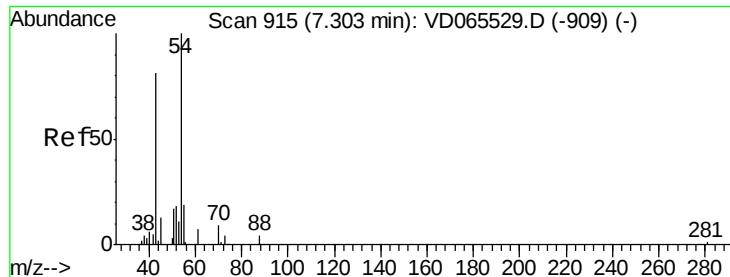


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

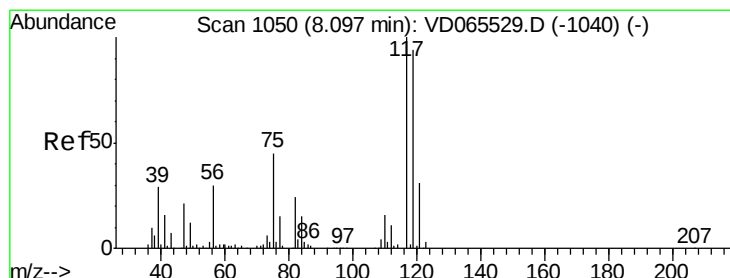
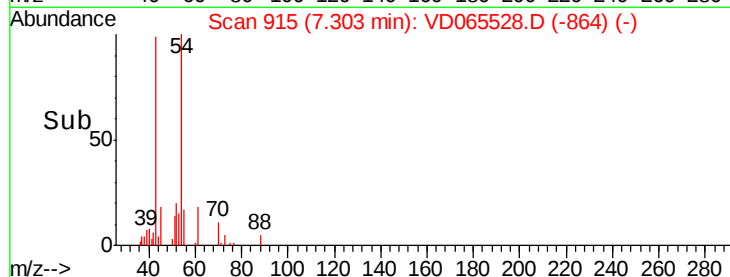
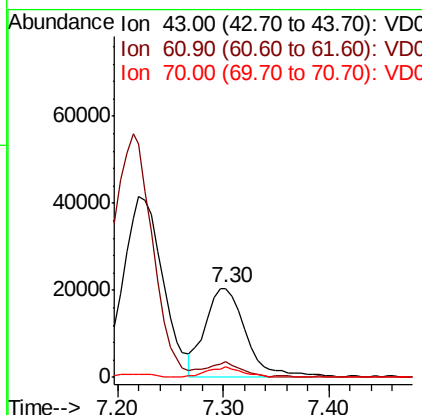
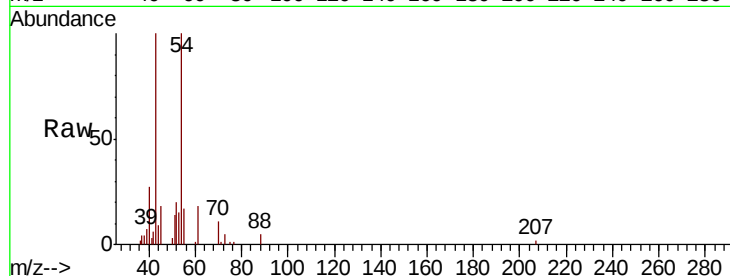




#37
Ethyl Acetate
Concen: 20.315 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

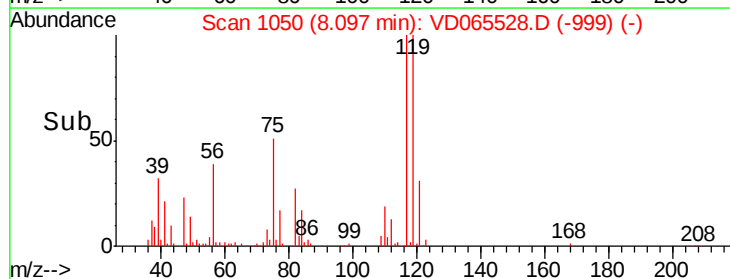
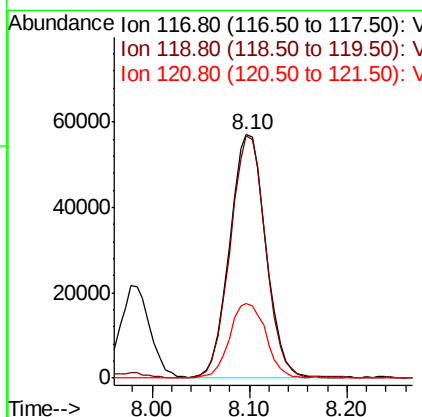
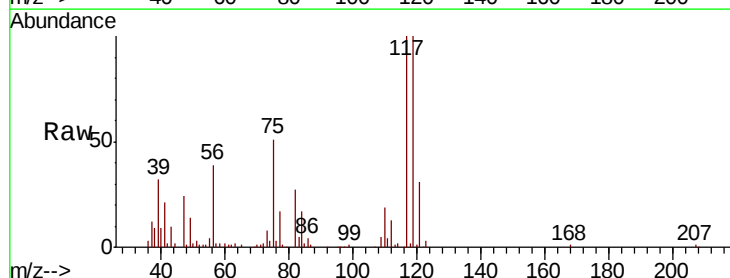
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

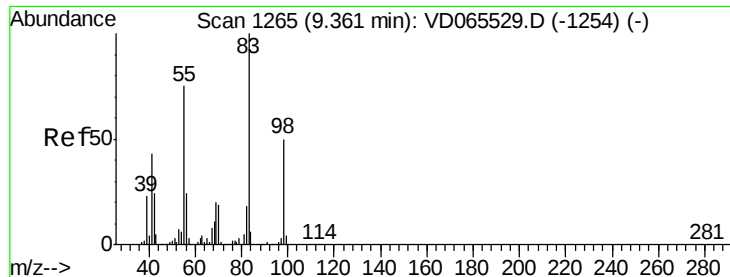
Tot Ion: 43 Resp: 55364
Ion Ratio Lower Upper
43 100
61 11.6 12.2 18.4#
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.184 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion: 117 Resp: 147144
Ion Ratio Lower Upper
117 100
119 99.2 75.2 112.8
121 30.7 24.5 36.7

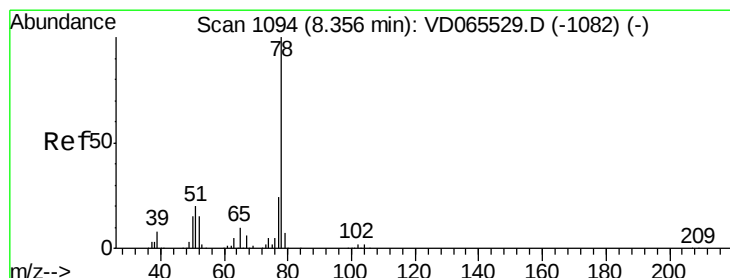
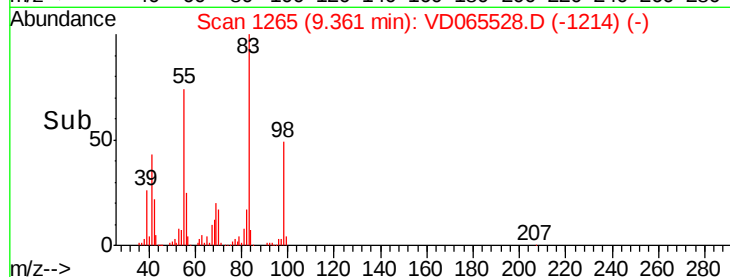
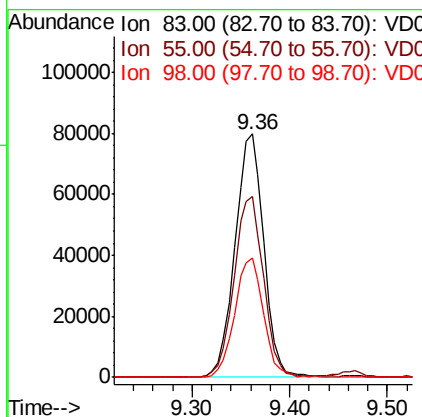
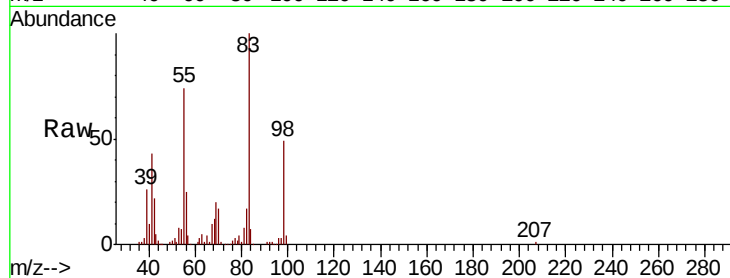




#39
Methvlcvclohexane
Concen: 19.452 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

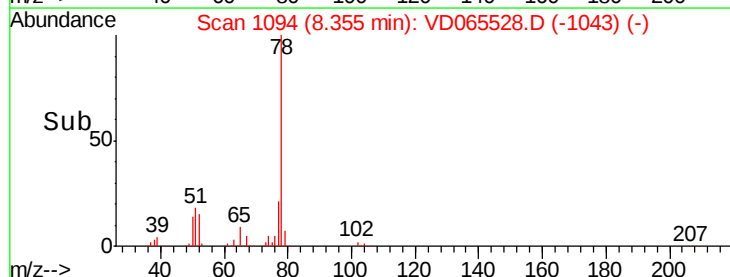
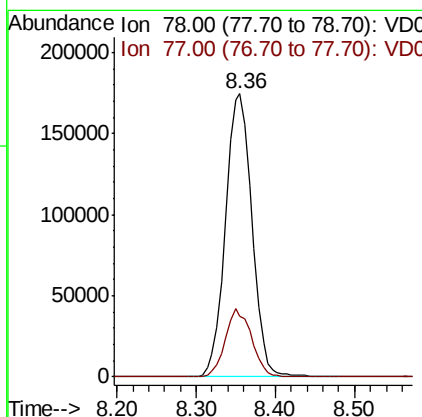
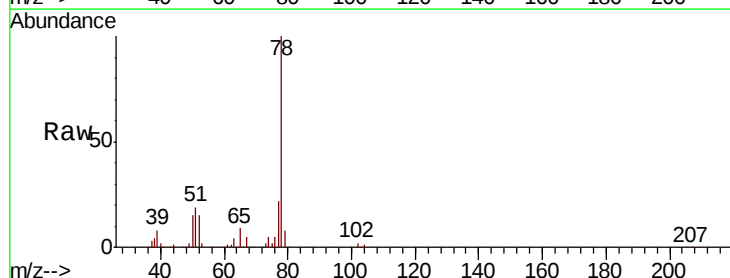
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

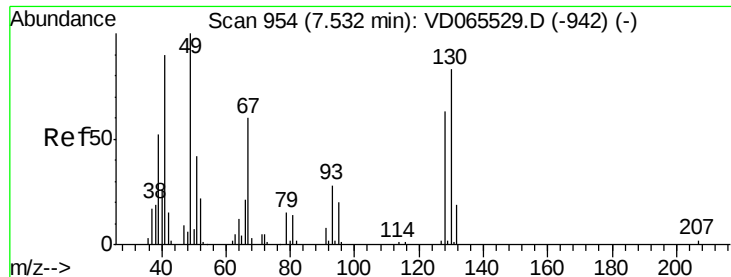
Tot Ion: 83 Resp: 163912
Ion Ratio Lower Upper
83 100
55 74.1 59.7 89.5
98 49.2 40.2 60.2



#40
Benzene
Concen: 20.547 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion: 78 Resp: 403368
Ion Ratio Lower Upper
78 100
77 21.5 19.1 28.7





#41

Methacrylonitrile

Concen: 21.902 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 32324

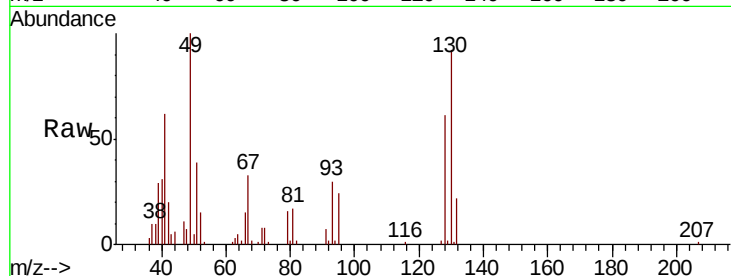
Ion Ratio Lower Upper

41 100

39 39.8 42.9 64.3#

67 64.2 60.5 90.7

52 27.5 24.5 36.7

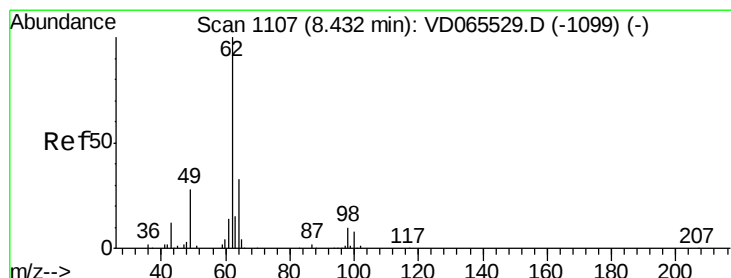
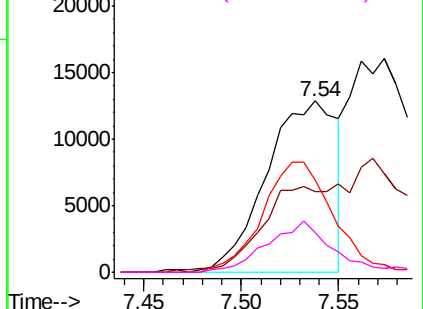
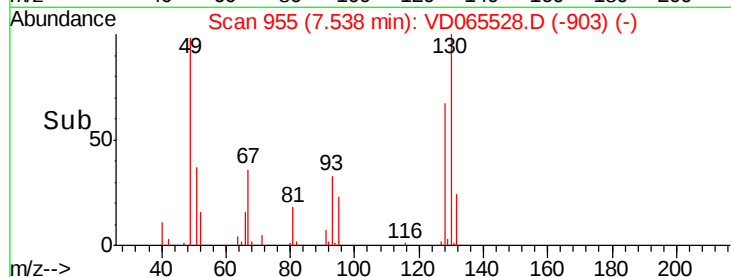


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.883 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065528.D

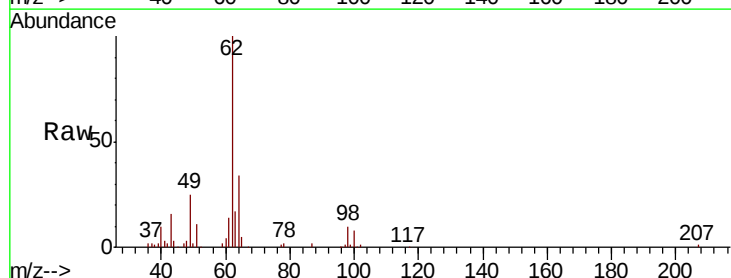
Acq: 26 Mar 2020 16:34

Tgt Ion: 62 Resp: 107747

Ion Ratio Lower Upper

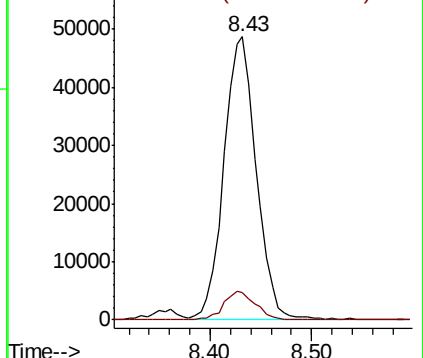
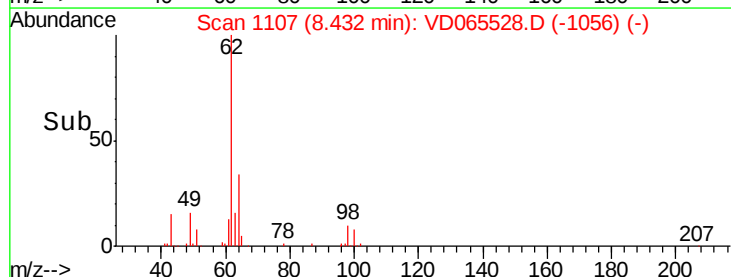
62 100

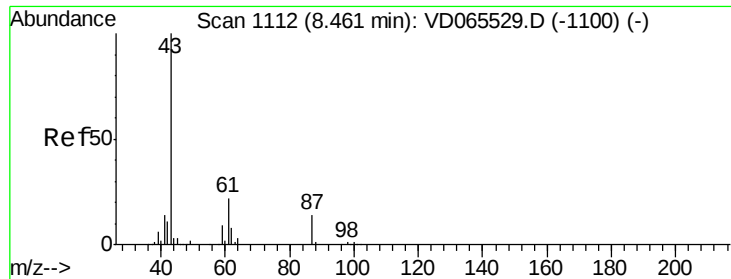
98 9.9 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

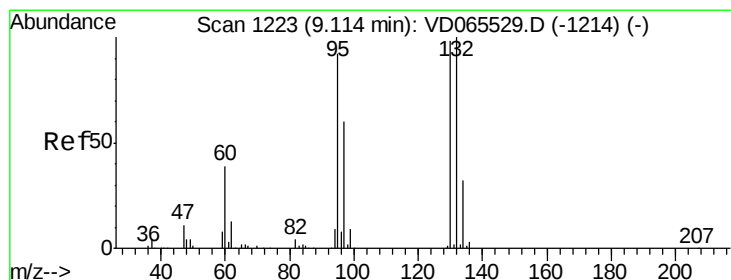
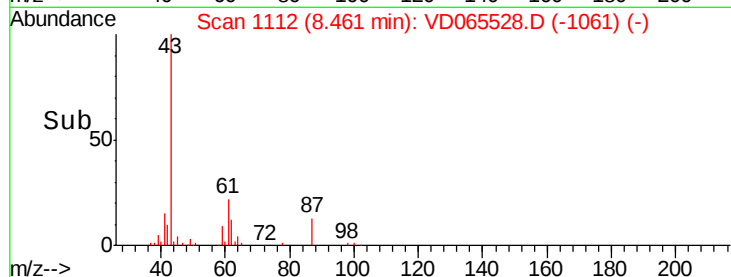
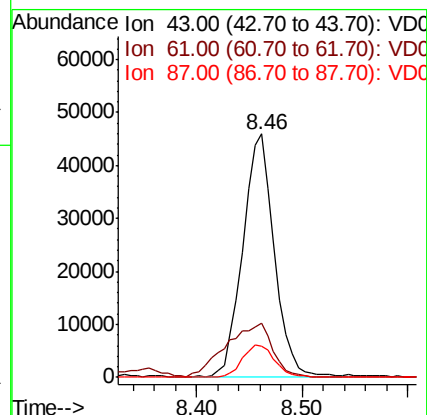
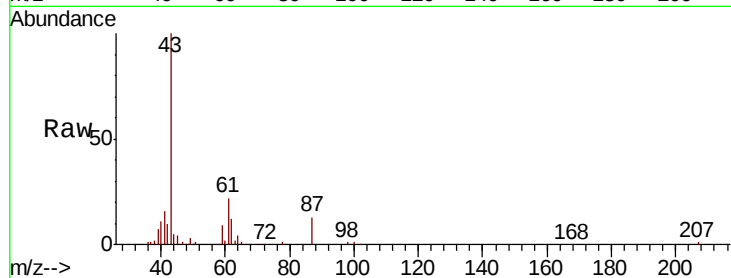




#43
Isopropyl Acetate
Concen: 18.968 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

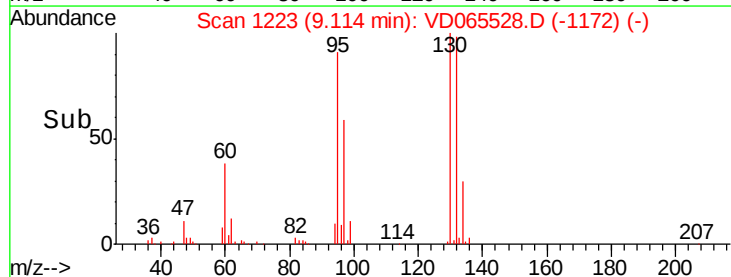
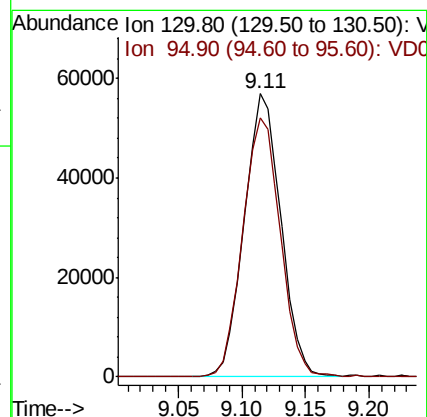
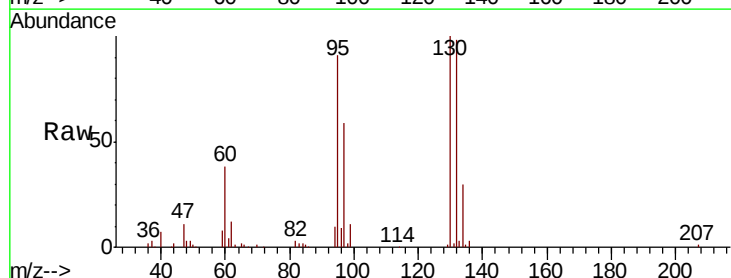
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

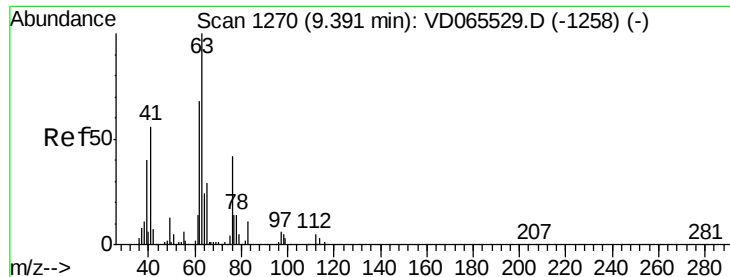
Tot Ion: 43 Resp: 95168
Ion Ratio Lower Upper
43 100
61 32.7 25.0 37.4
87 13.5 11.0 16.4



#44
Trichloroethene
Concen: 20.628 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion: 130 Resp: 114655
Ion Ratio Lower Upper
130 100
95 91.3 0.0 187.0

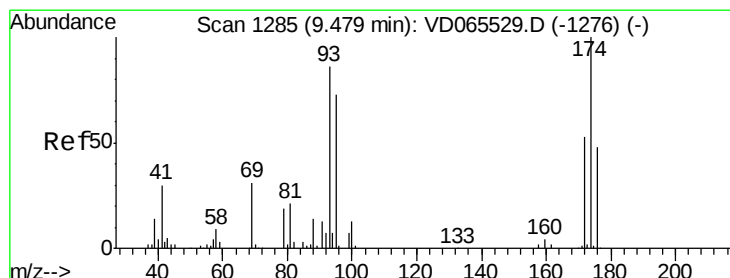
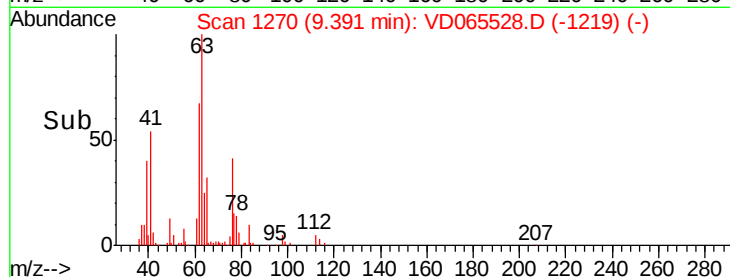
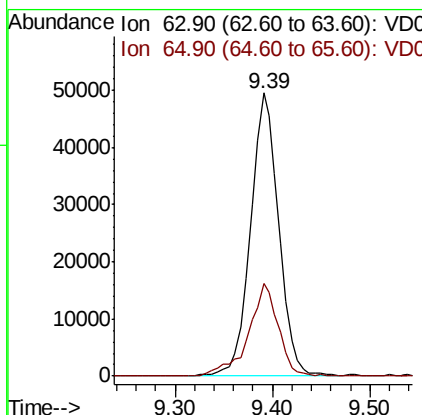
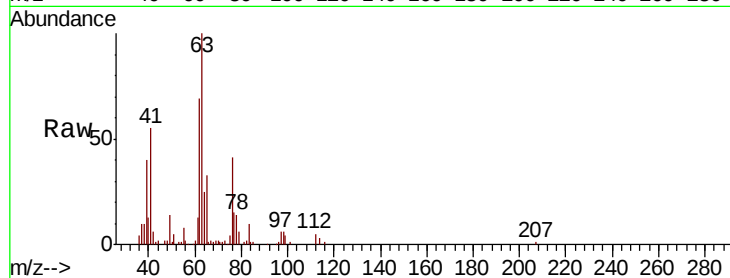




#45
 1,2-Dichloropropane
 Concen: 21.054 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

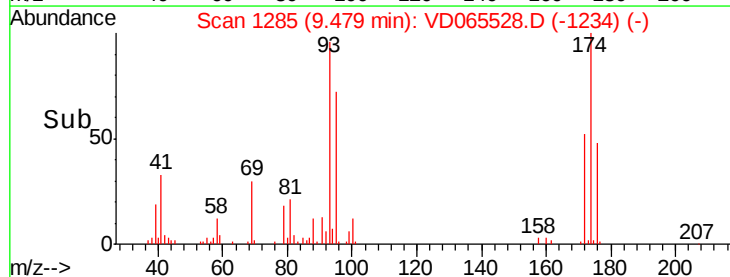
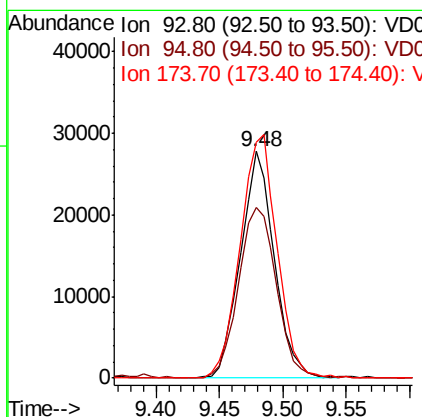
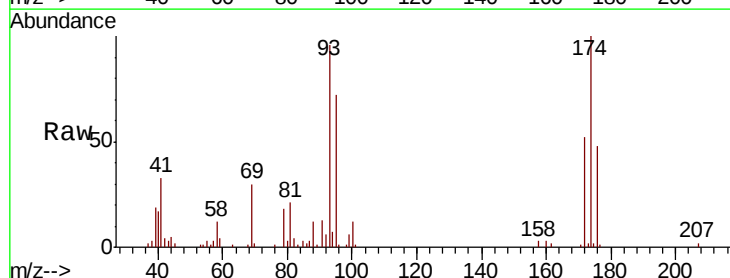
Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC020

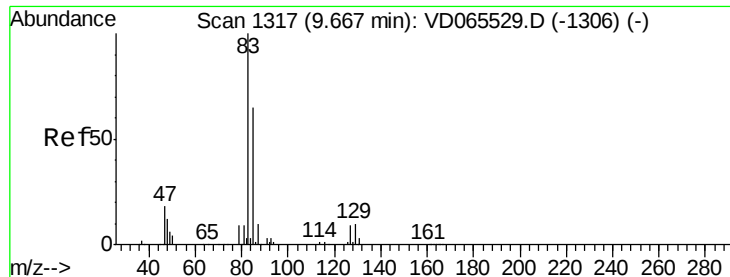
Tot Ion: 63 Resp: 100307
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.5 35.3



#46
 Dibromomethane
 Concen: 20.903 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Tgt Ion: 93 Resp: 51733
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.3 100.9
 174 116.4 92.5 138.7





#47

Bromodichloromethane

Concen: 21.399 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

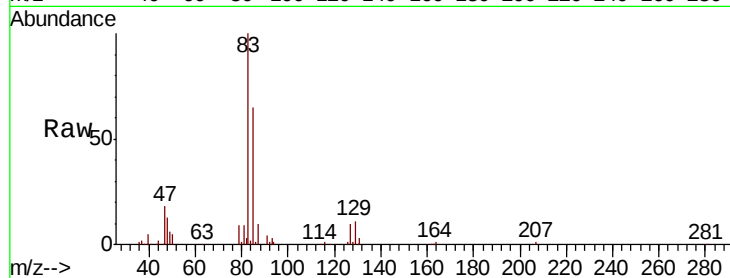
Tot Ion: 83 Resp: 137826

Ion Ratio Lower Upper

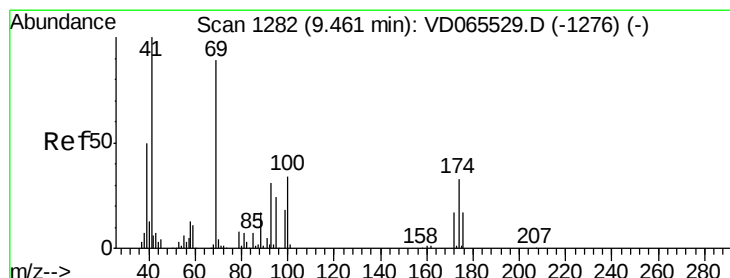
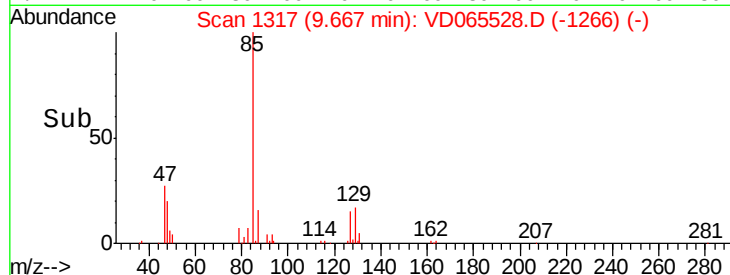
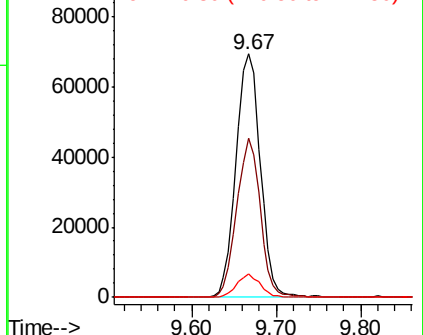
83 100

85 65.3 52.2 78.2

127 9.6 7.1 10.7



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: 20.919 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

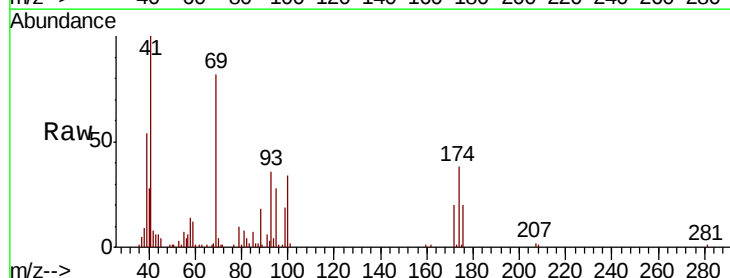
Tgt Ion: 41 Resp: 49555

Ion Ratio Lower Upper

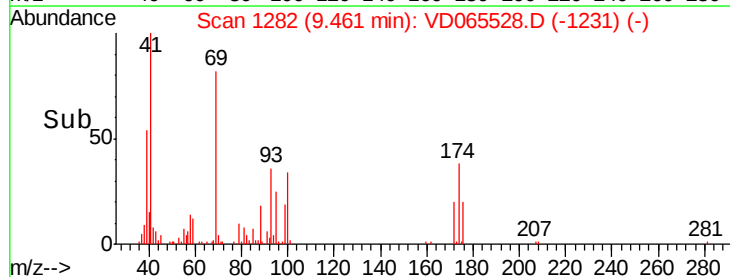
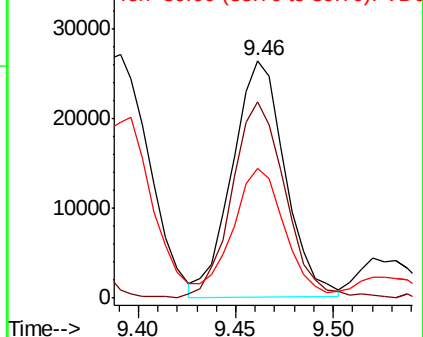
41 100

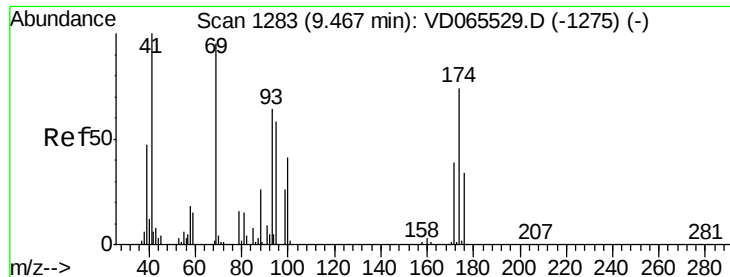
69 83.6 71.8 107.6

39 54.6 42.2 63.4



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: 413.725 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

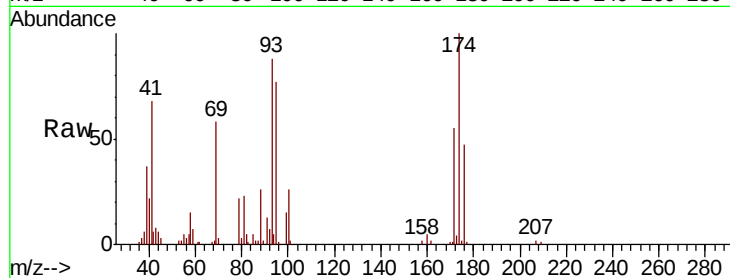
Tot Ion: 88 Resp: 11789

Ion Ratio Lower Upper

88 100

43 33.5 26.0 39.0

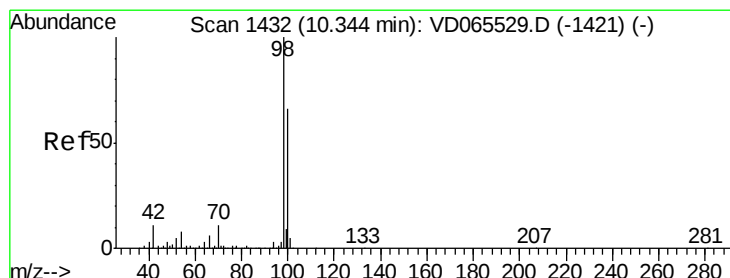
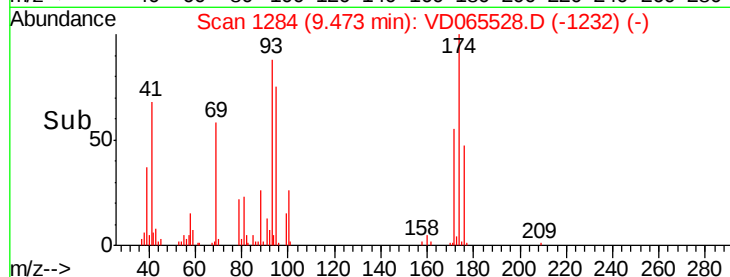
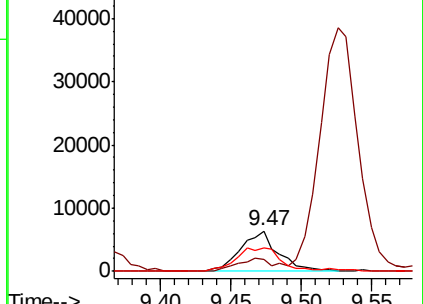
58 69.8 54.6 82.0



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: 19.808 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065528.D

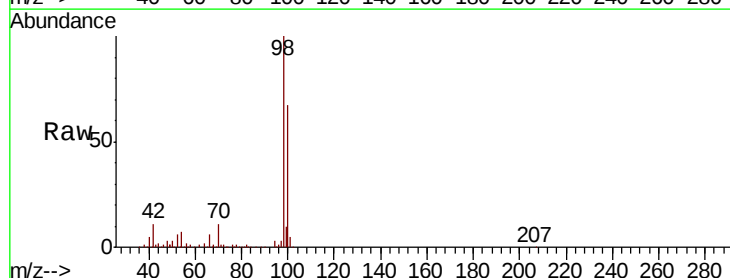
Acq: 26 Mar 2020 16:34

Tgt Ion: 98 Resp: 345738

Ion Ratio Lower Upper

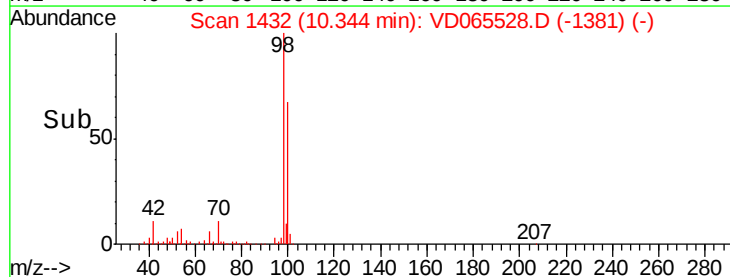
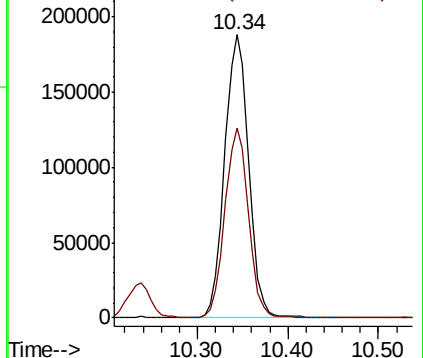
98 100

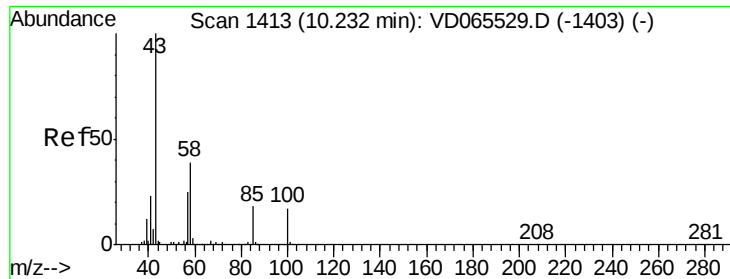
100 66.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

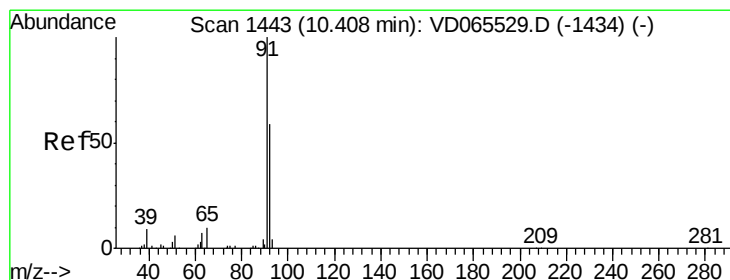
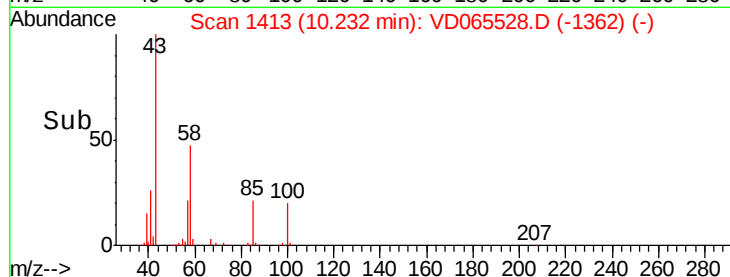
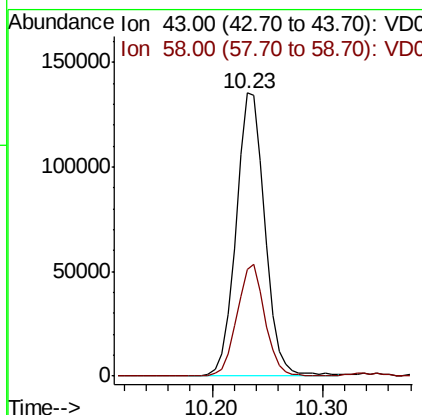
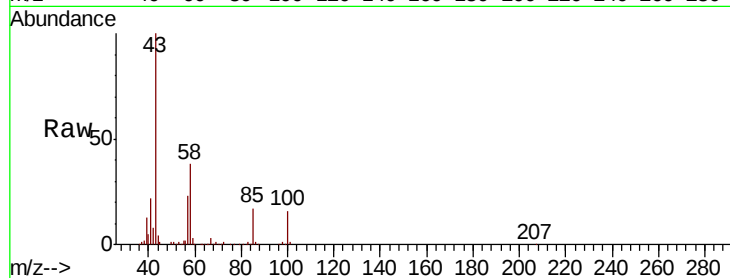




#51
4-Methyl-2-Pentanone
Concen: 98.008 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

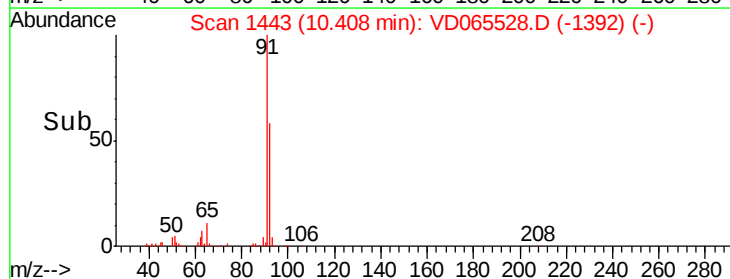
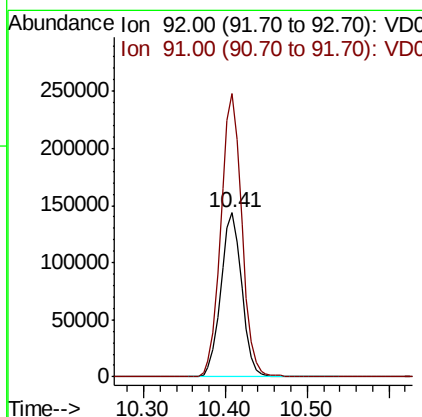
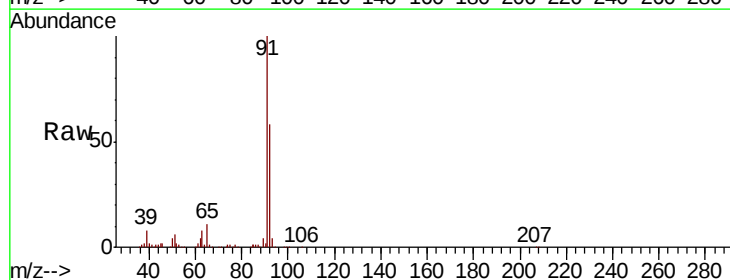
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

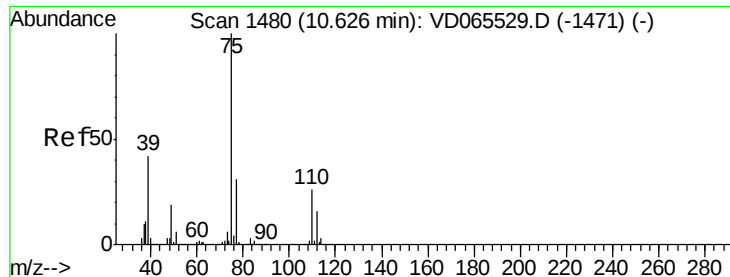
Tot Ion: 43 Resp: 248276
Ion Ratio Lower Upper
43 100
58 38.4 31.4 47.2



#52
Toluene
Concen: 20.703 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion: 92 Resp: 256509
Ion Ratio Lower Upper
92 100
91 172.4 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 20.357 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

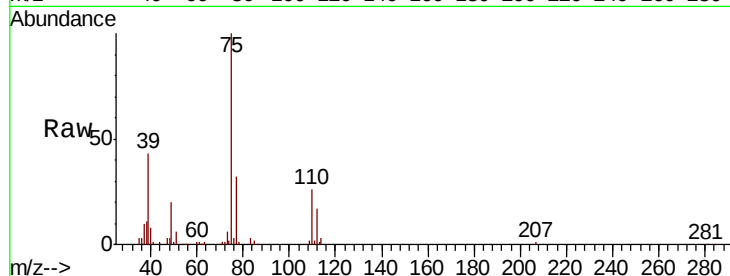
VSTDIC020

Tot Ion: 75 Resp: 122652

Ion Ratio Lower Upper

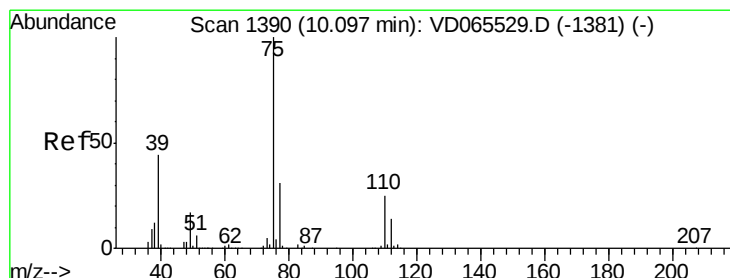
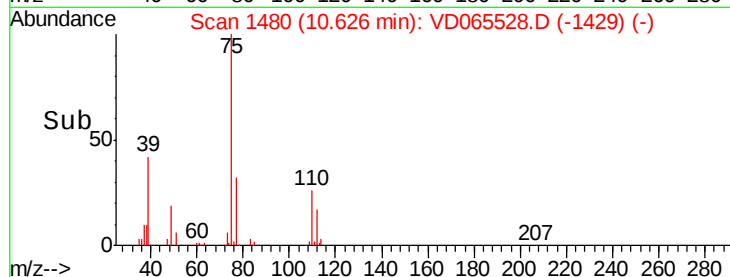
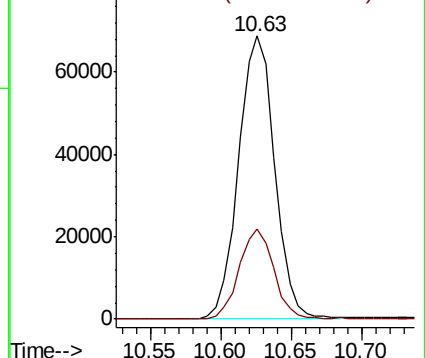
75 100

77 32.0 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.739 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

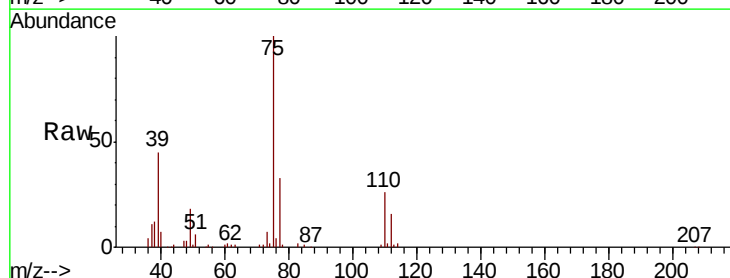
Tgt Ion: 75 Resp: 151107

Ion Ratio Lower Upper

75 100

77 33.2 24.6 36.8

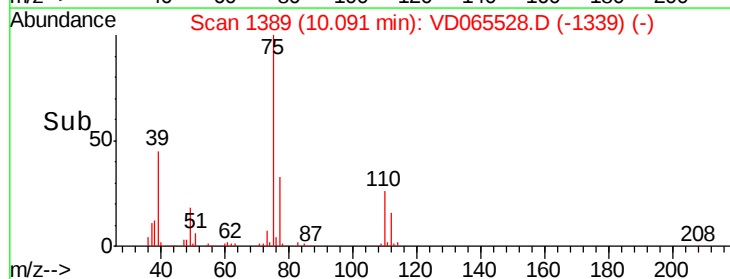
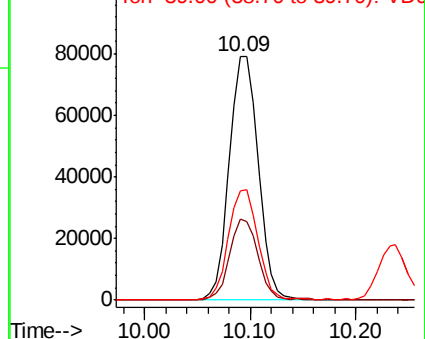
39 44.4 35.4 53.2

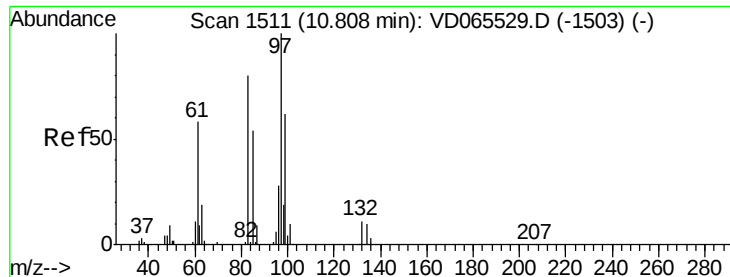


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

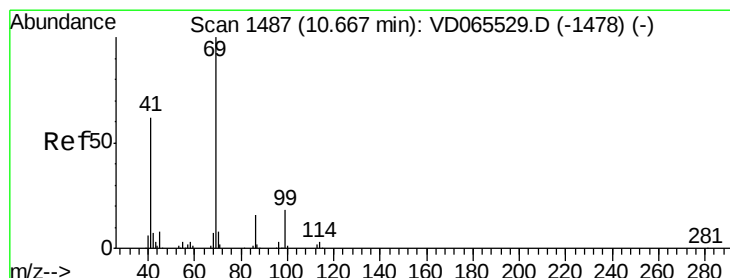
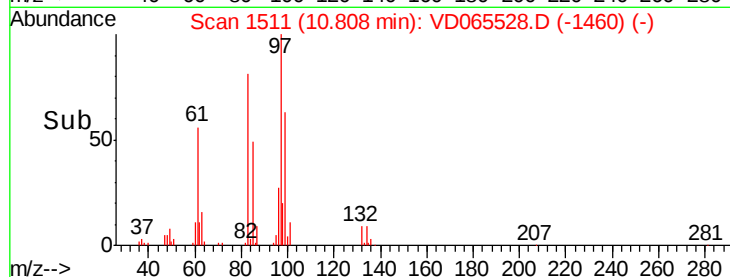
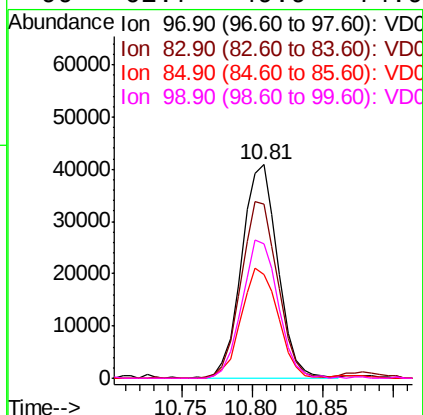
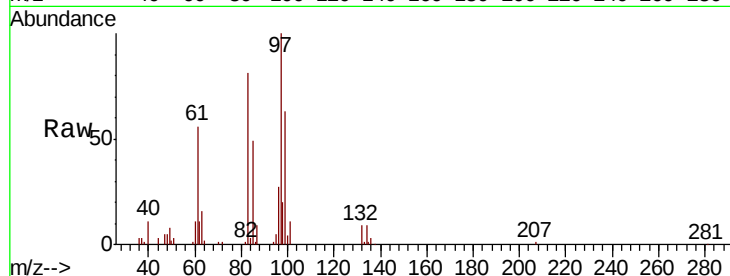




#55
 1,1,2-Trichloroethane
 Concen: 20.867 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

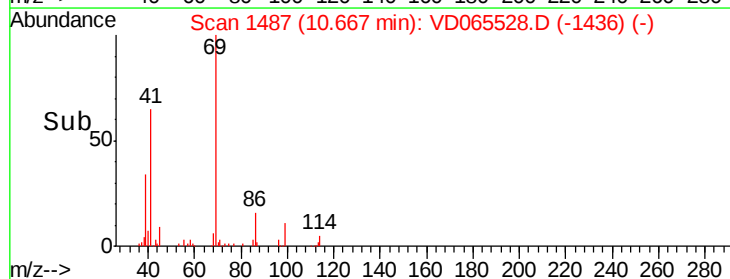
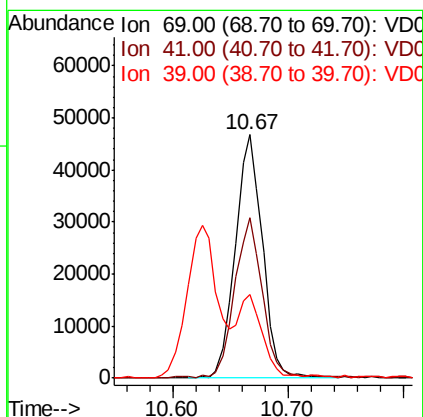
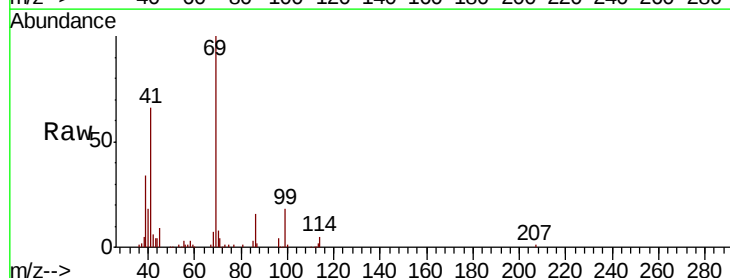
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

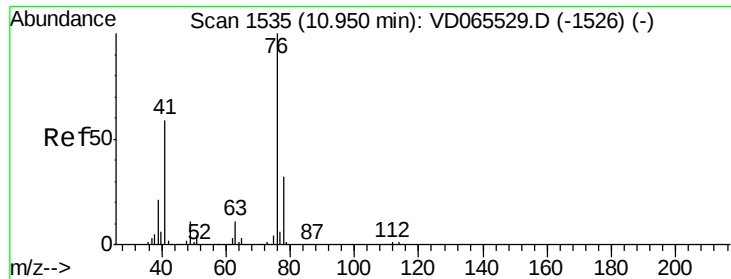
Tot Ion:	97	Resp:	73553
Ion	Ratio	Lower	Upper
97	100		
83	81.4	63.8	95.6
85	48.7	42.9	64.3
99	62.7	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 19.108 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Tgt Ion:	69	Resp:	75831
Ion	Ratio	Lower	Upper
69	100		
41	68.6	51.3	76.9
39	31.2	25.3	37.9

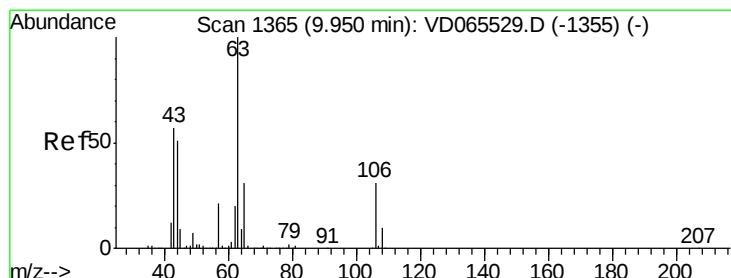
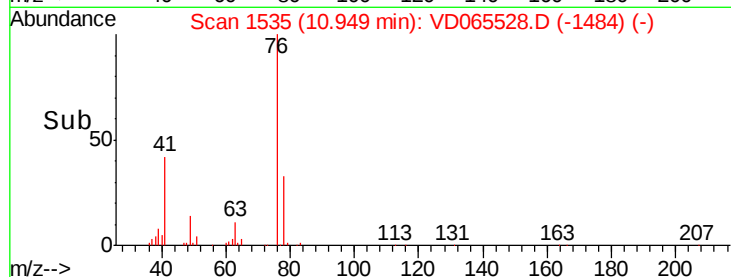
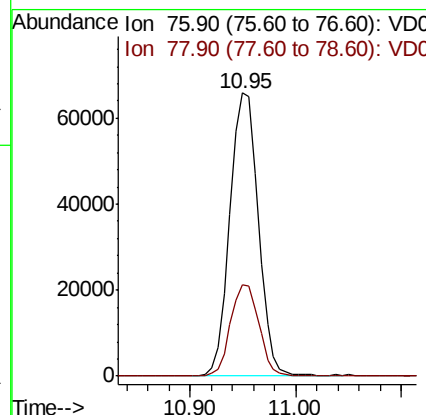
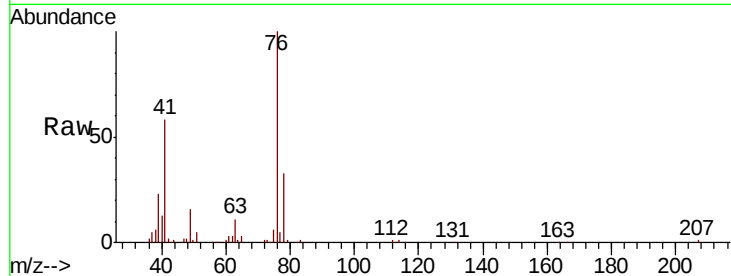




#57
 1,3-Dichloropropane
 Concen: 20.633 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

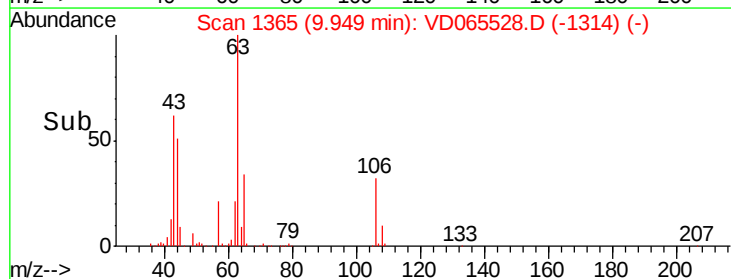
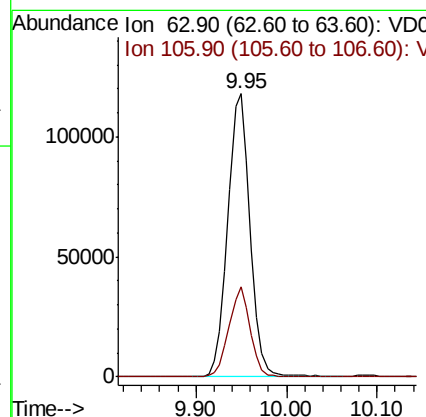
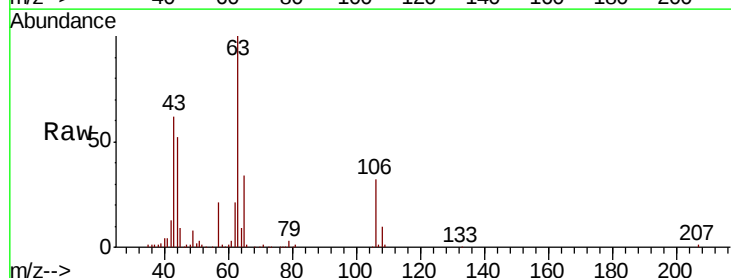
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

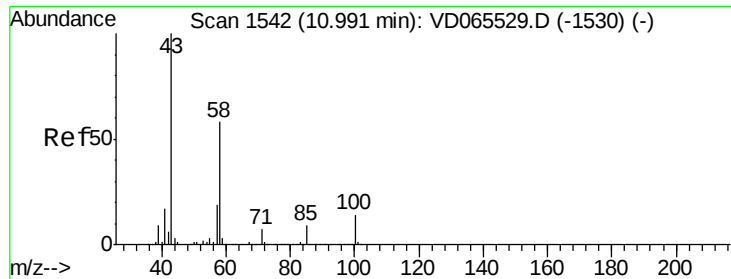
Tot Ion: 76 Resp: 122920
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 138.601 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Tgt Ion: 63 Resp: 201026
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.3 36.5

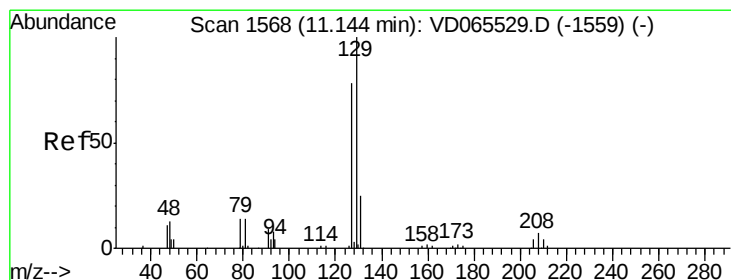
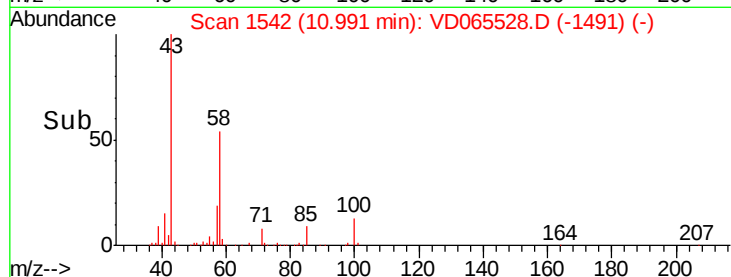
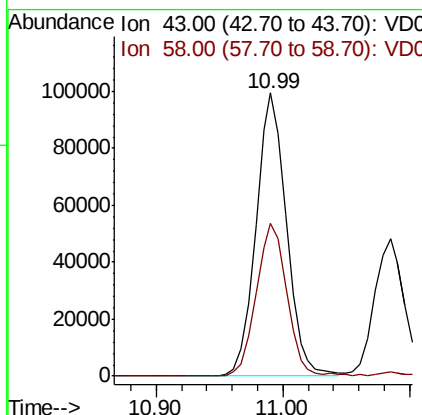
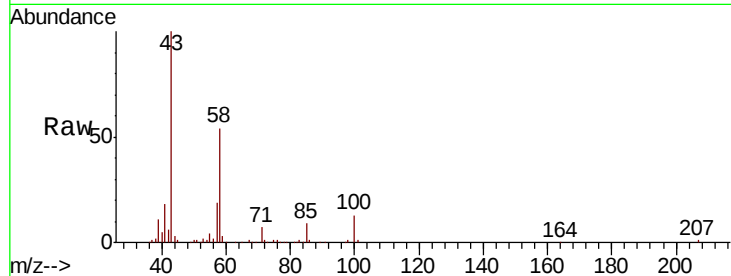




#59
2-Hexanone
Concen: 95.280 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

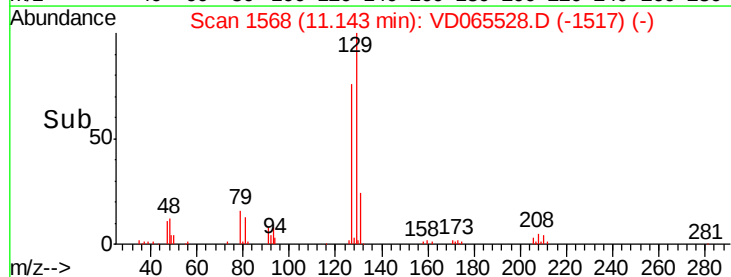
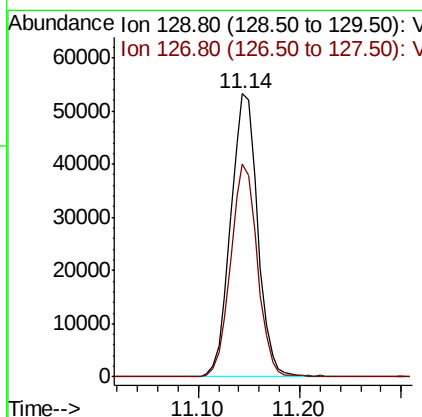
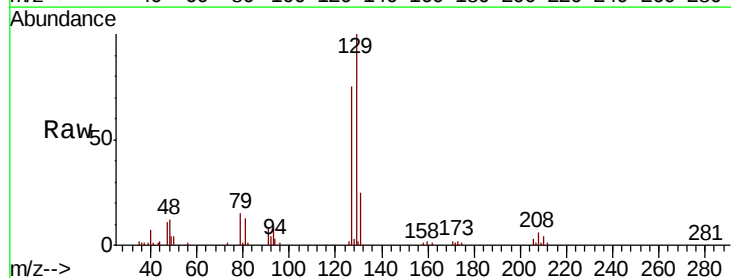
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

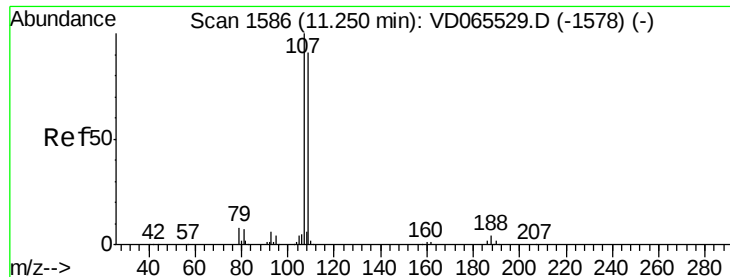
Tot Ion: 43 Resp: 166615
Ion Ratio Lower Upper
43 100
58 54.0 27.9 83.7



#60
Dibromochloromethane
Concen: 21.679 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion: 129 Resp: 98144
Ion Ratio Lower Upper
129 100
127 74.4 38.9 116.6

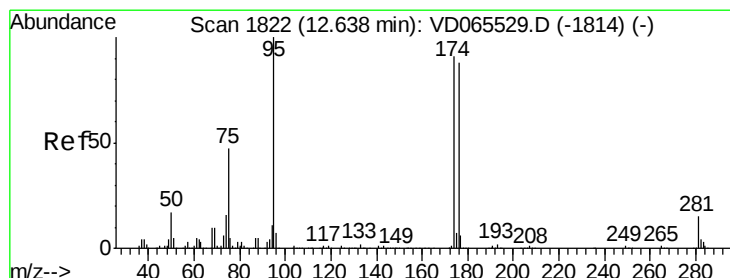
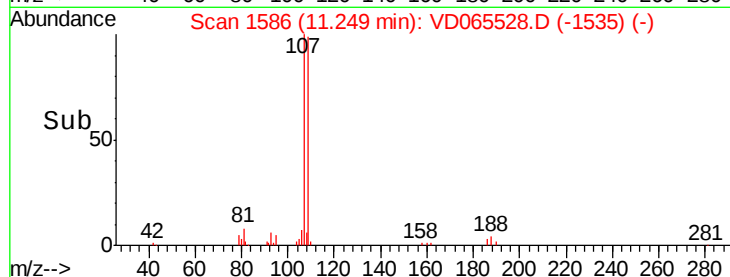
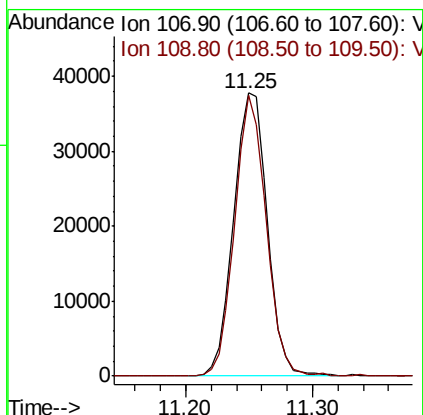
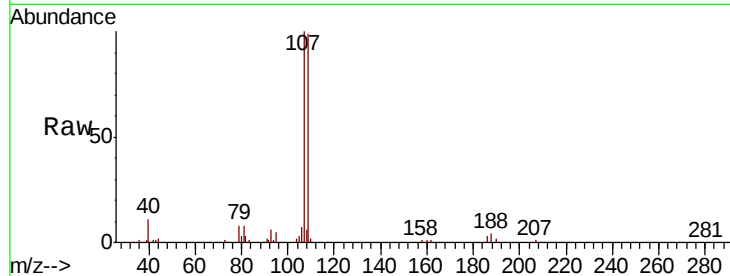




#61
 1,2-Dibromoethane
 Concen: 20.555 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

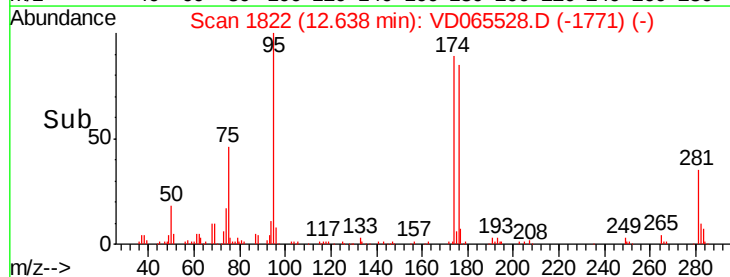
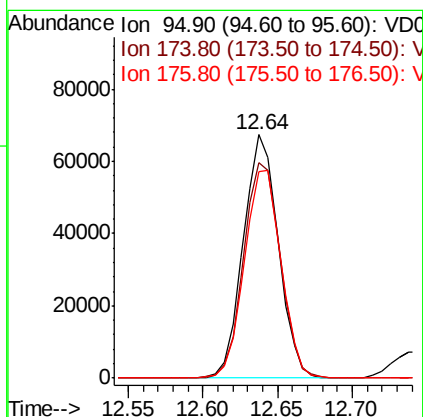
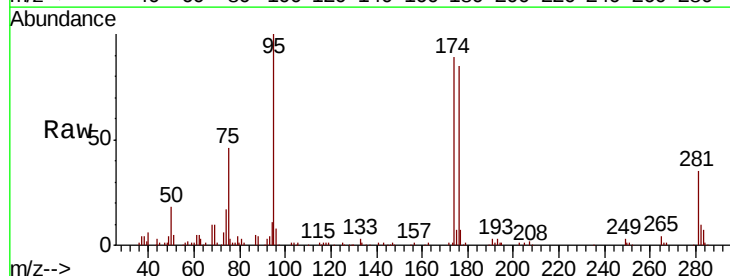
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

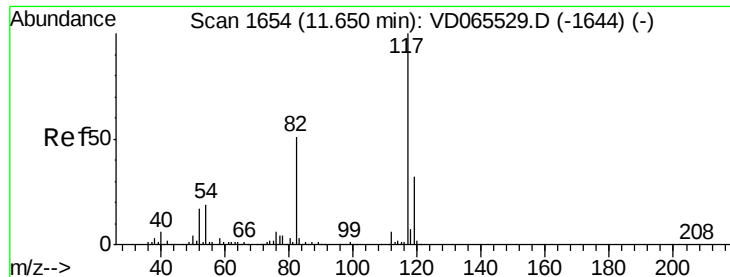
Tot Ion: 107 Resp: 69368
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 20.243 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Tgt Ion: 95 Resp: 109452
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 183.8
 176 89.5 0.0 178.2

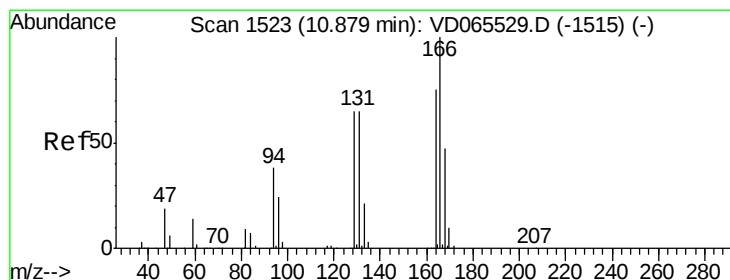
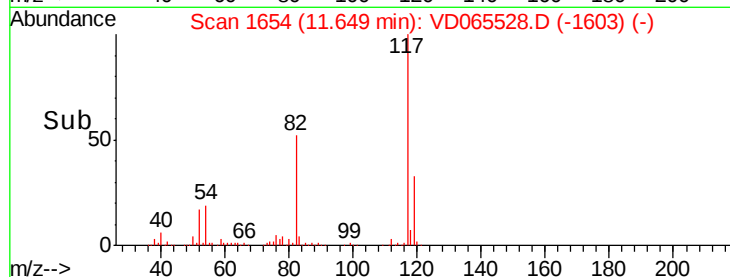
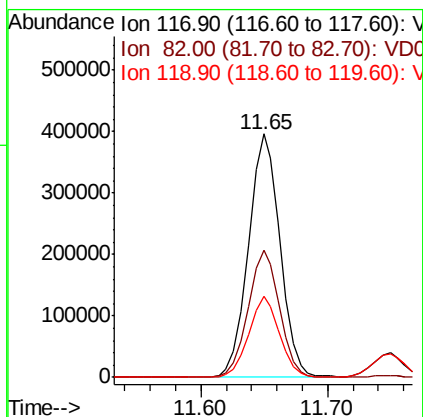
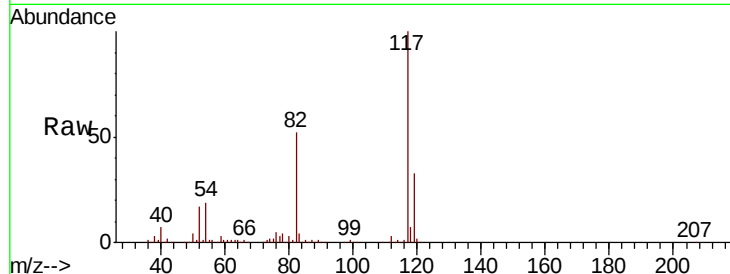




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

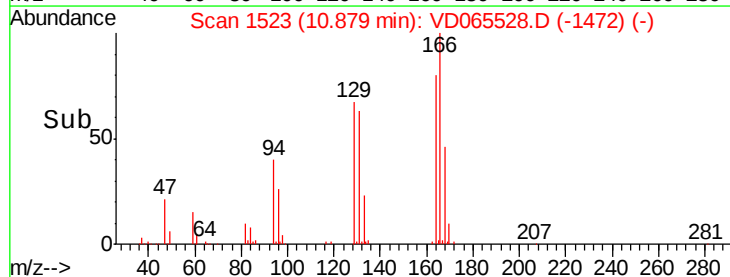
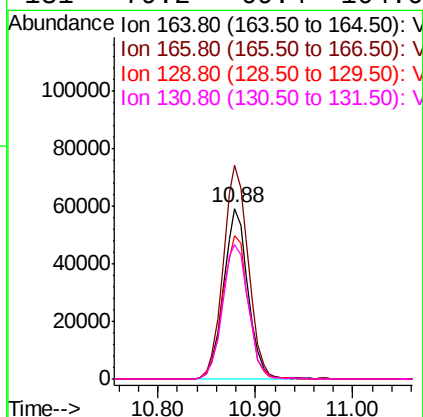
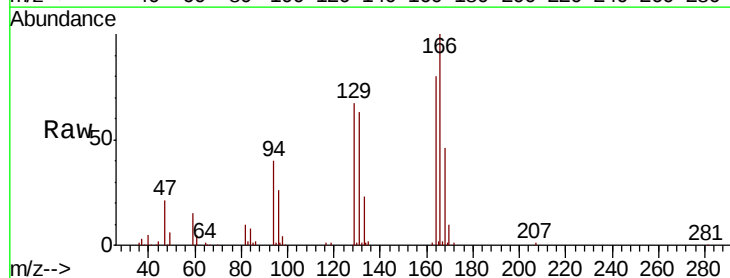
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

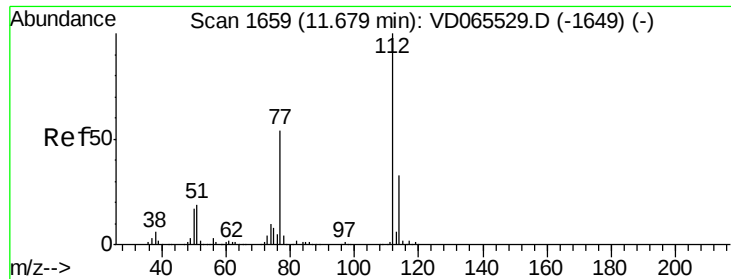
Tot Ion:117 Resp: 686953
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 33.4 25.5 38.3



#64
Tetrachloroethene
Concen: 20.873 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion:164 Resp: 102113
Ion Ratio Lower Upper
164 100
166 125.4 107.1 160.7
129 84.0 69.2 103.8
131 79.2 69.4 104.0

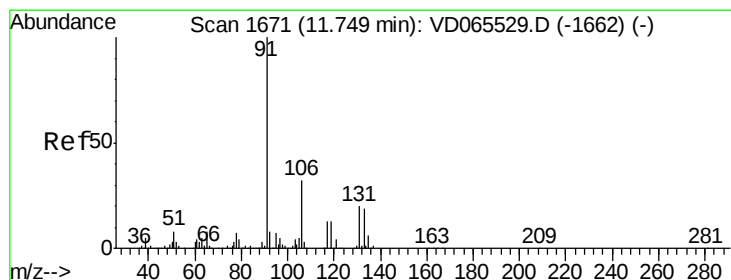
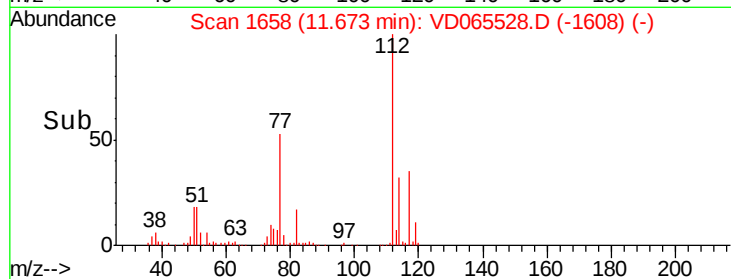
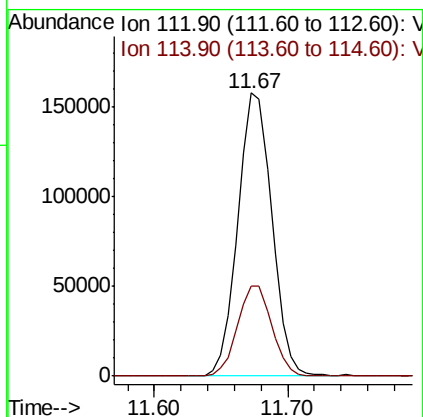
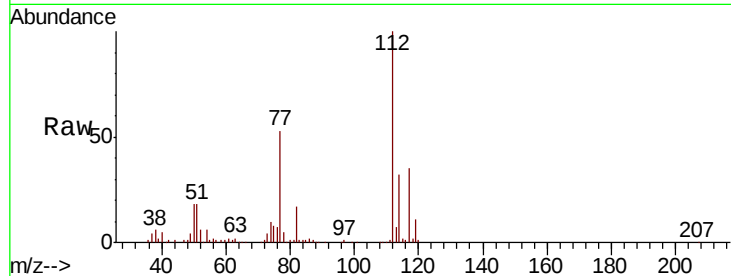




#65
Chlorobenzene
Concen: 20.675 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

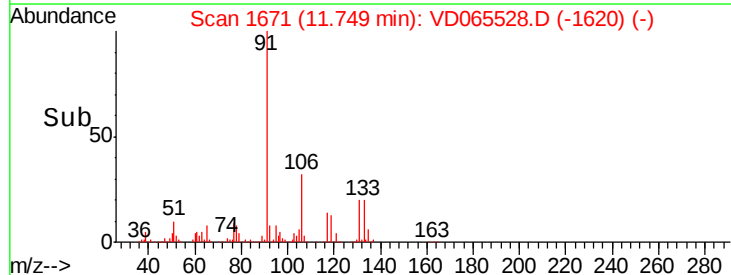
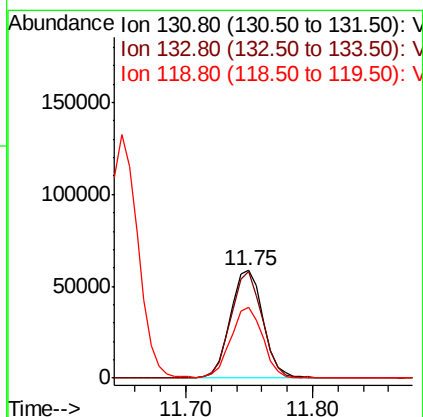
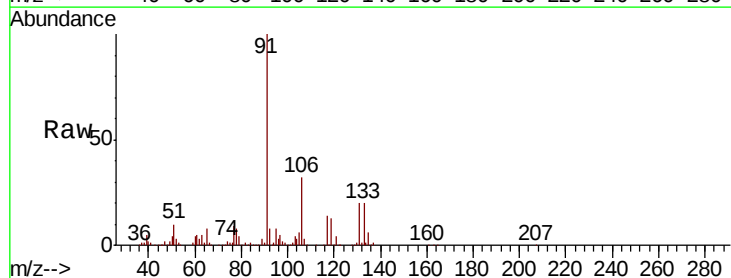
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

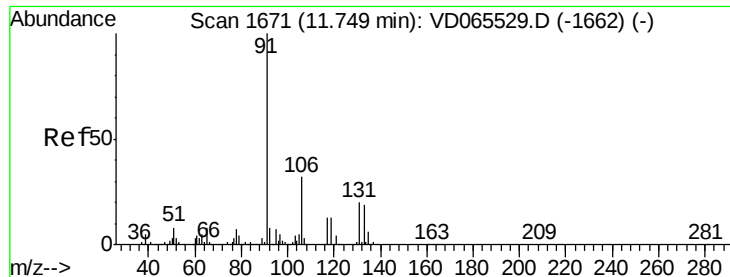
Tot Ion:112 Resp: 278954
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.139 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion:131 Resp: 104465
Ion Ratio Lower Upper
131 100
133 95.8 48.9 146.7
119 64.6 32.5 97.4





#67

Ethyl Benzene

Concen: 20.081 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

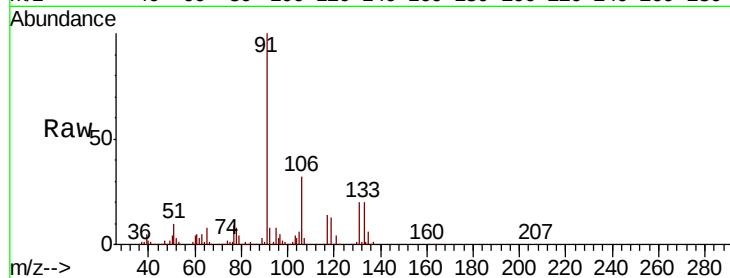
VSTDIC020

Tot Ion: 91 Resp: 466460

Ion Ratio Lower Upper

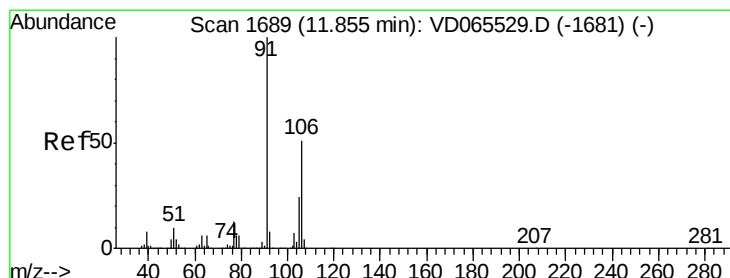
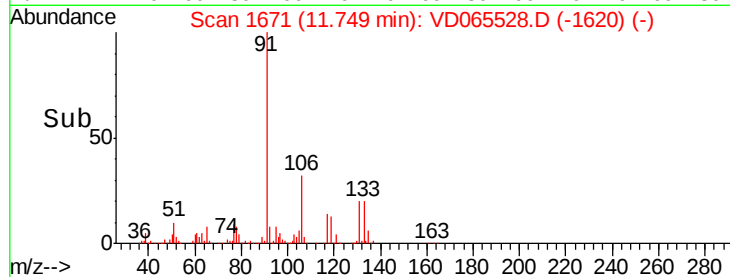
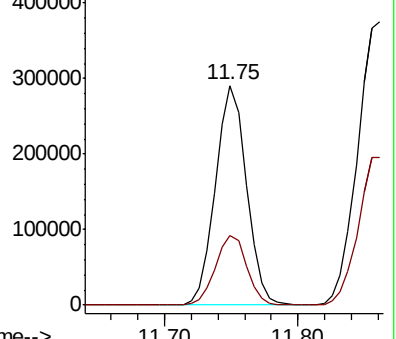
91 100

106 31.6 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.595 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065528.D

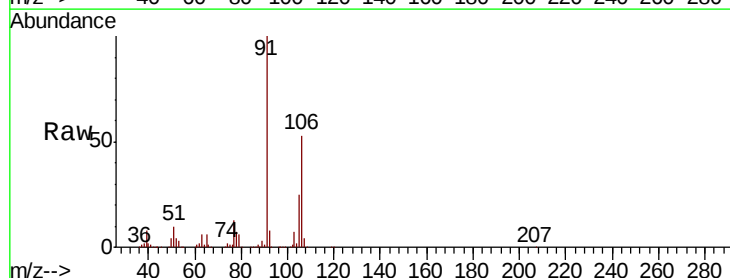
Acq: 26 Mar 2020 16:34

Tgt Ion: 106 Resp: 372885

Ion Ratio Lower Upper

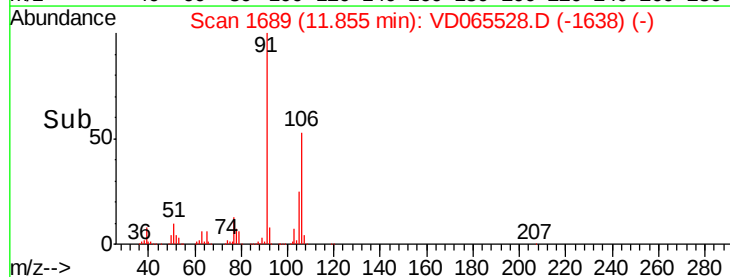
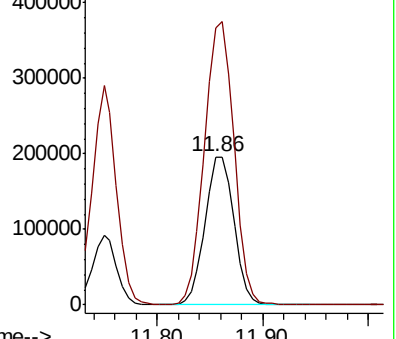
106 100

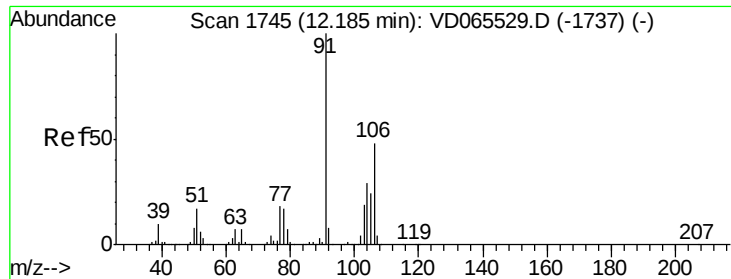
91 194.7 155.4 233.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

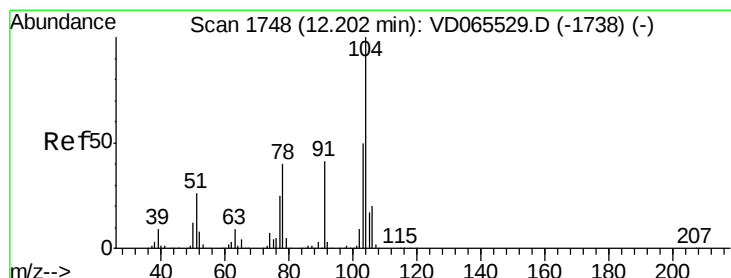
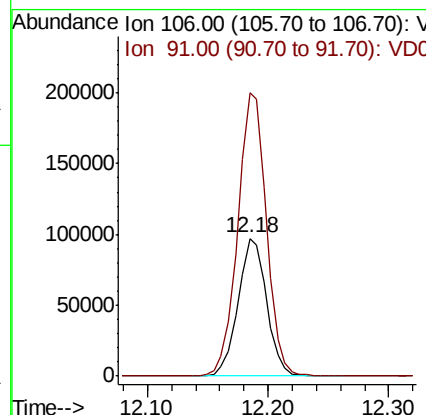
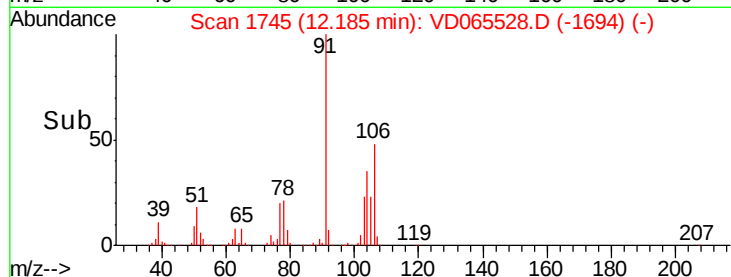
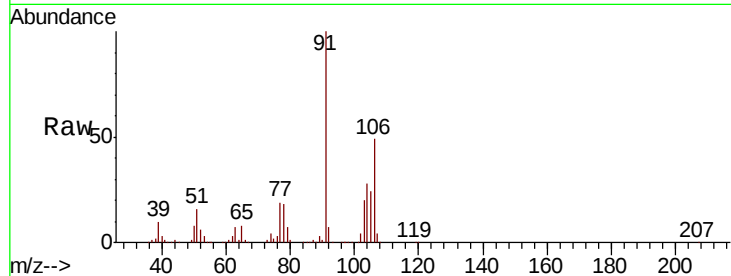




#69
o-Xylene
Concen: 20.306 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

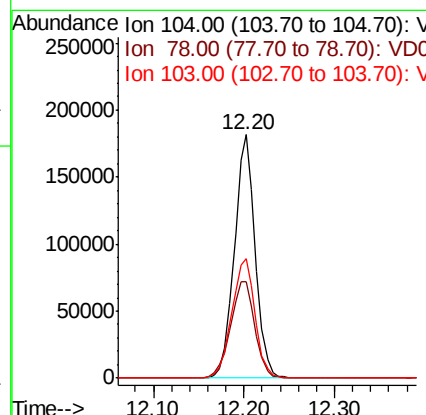
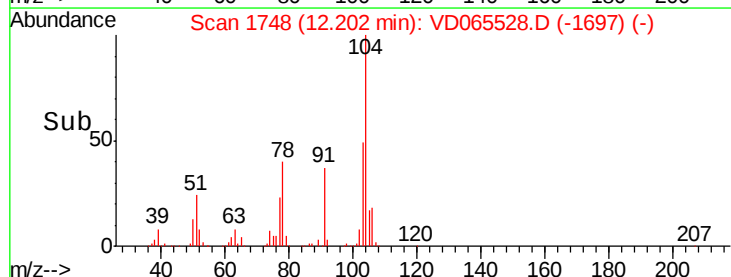
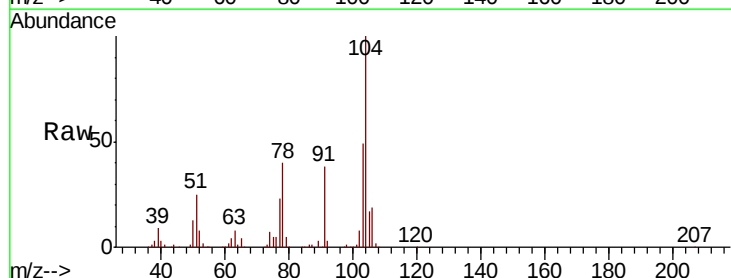
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

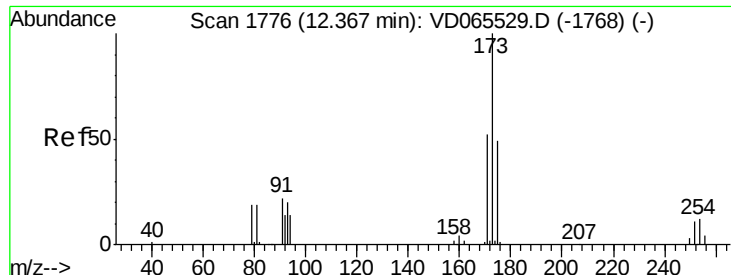
Tot Ion:106 Resp: 160208
Ion Ratio Lower Upper
106 100
91 206.3 102.8 308.4



#70
Styrene
Concen: 20.797 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion:104 Resp: 289775
Ion Ratio Lower Upper
104 100
78 46.0 36.6 55.0
103 54.5 43.8 65.6

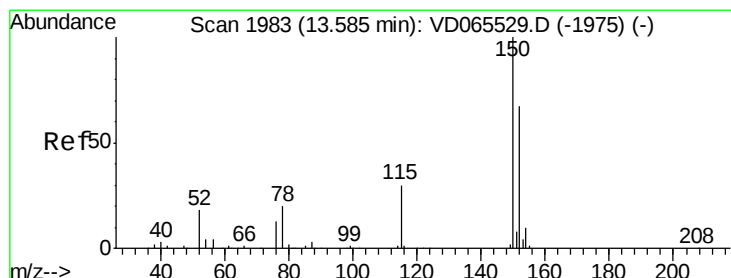
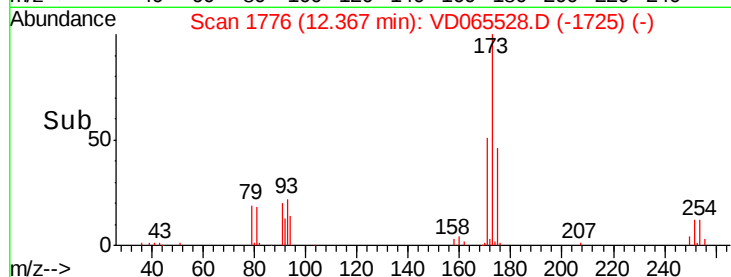
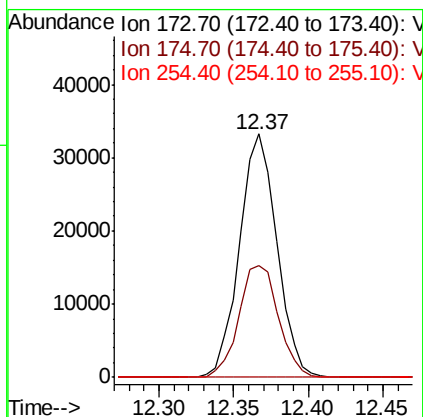
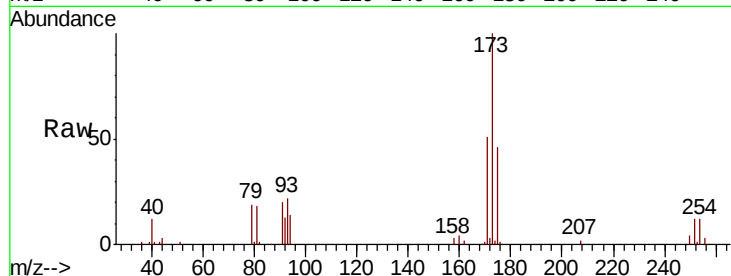




#71
Bromoform
Concen: 20.711 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

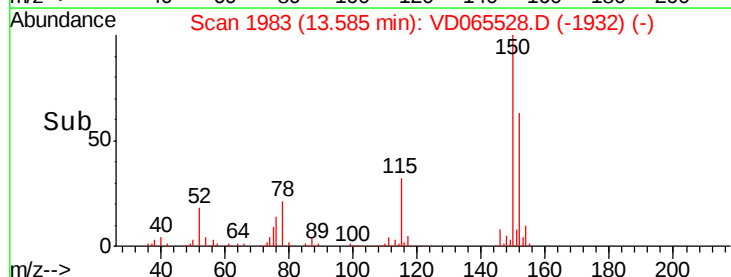
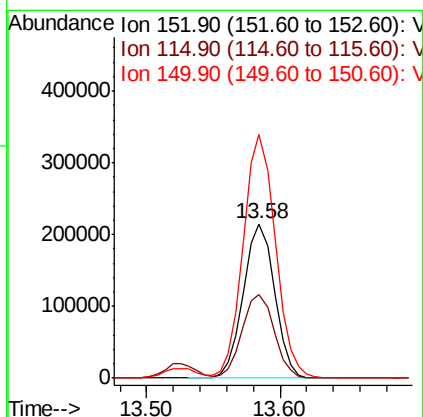
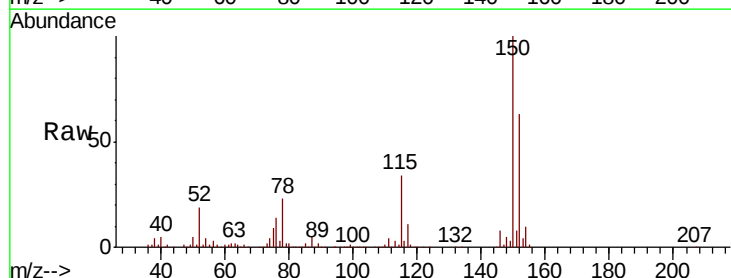
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

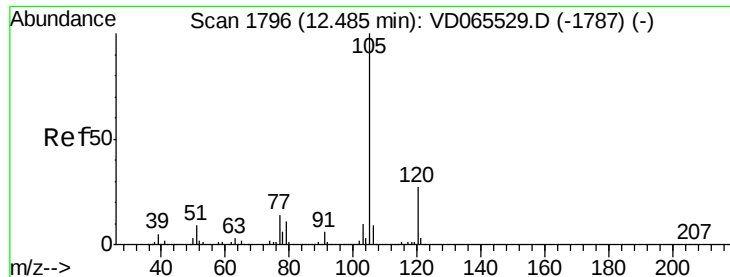
Tot Ion:173 Resp: 57620
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion:152 Resp: 347162
Ion Ratio Lower Upper
152 100
115 55.9 27.2 81.6
150 163.1 0.0 340.2





#73

Isopropylbenzene

Concen: 19.790 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

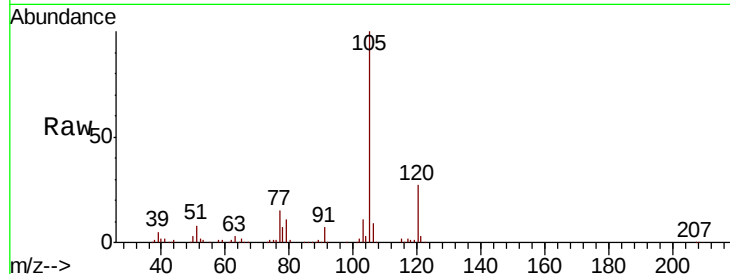
VSTDIC020

Tot Ion:105 Resp: 442691

Ion Ratio Lower Upper

105 100

120 26.9 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

300000

250000

200000

150000

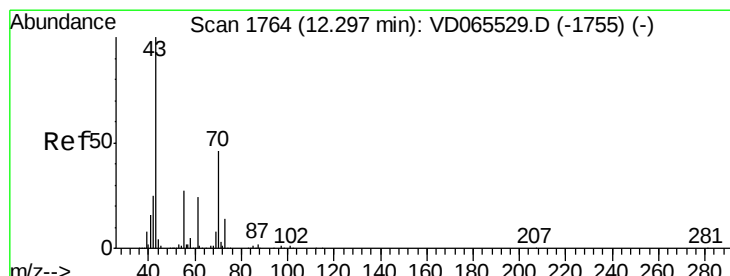
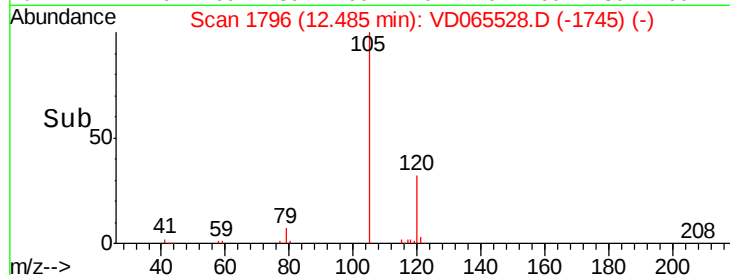
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 18.456 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Tgt Ion: 43 Resp: 84622

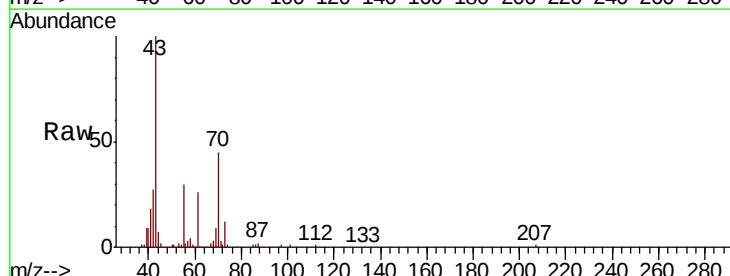
Ion Ratio Lower Upper

43 100

70 44.6 36.2 54.2

55 28.7 22.2 33.4

61 25.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

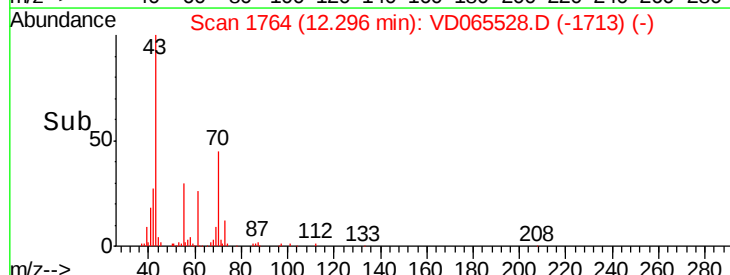
40000

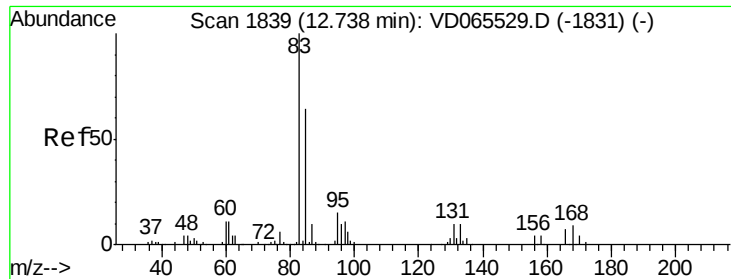
20000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 19.694 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

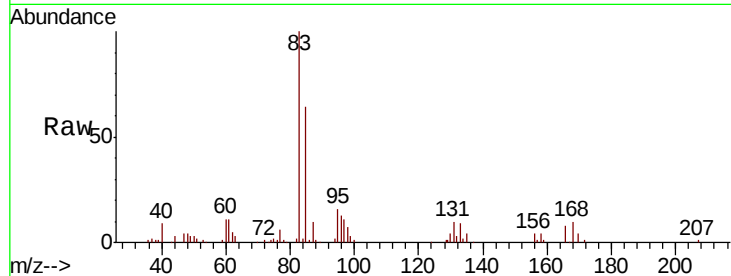
Tot Ion: 83 Resp: 77835

Ion Ratio Lower Upper

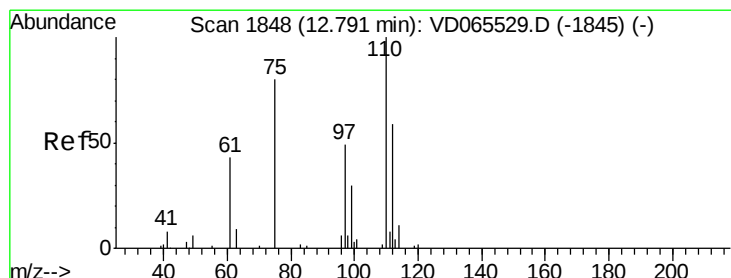
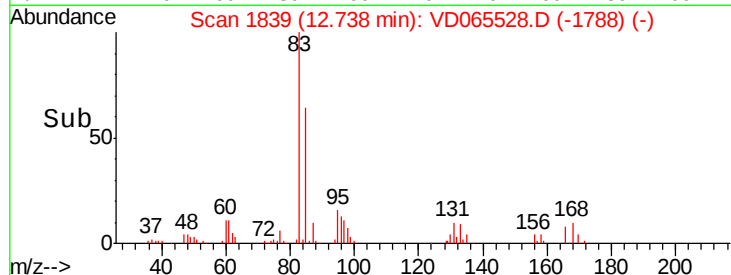
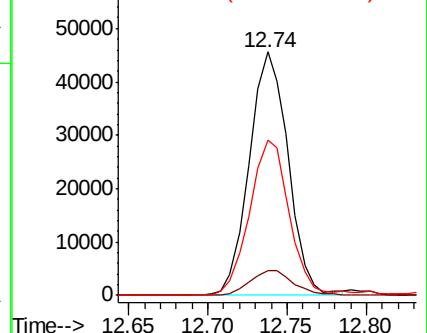
83 100

131 11.4 5.6 16.8

85 66.3 32.6 98.0



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: 35.510 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065528.D

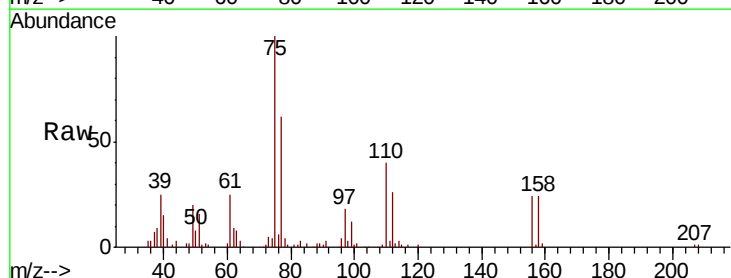
Acq: 26 Mar 2020 16:34

Tgt Ion: 75 Resp: 98017

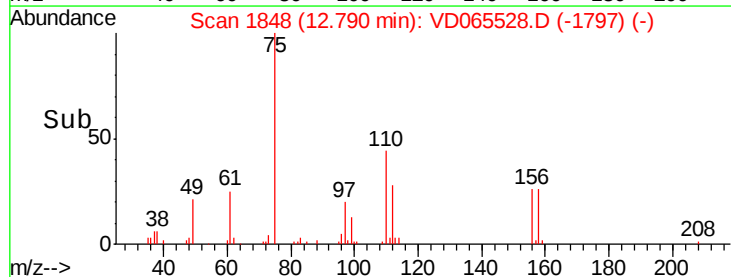
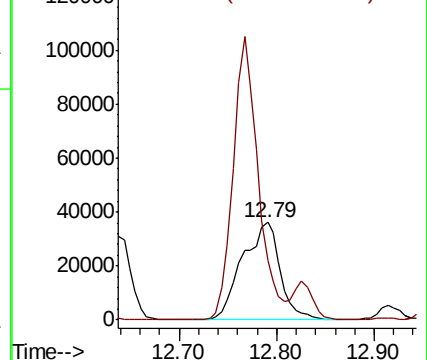
Ion Ratio Lower Upper

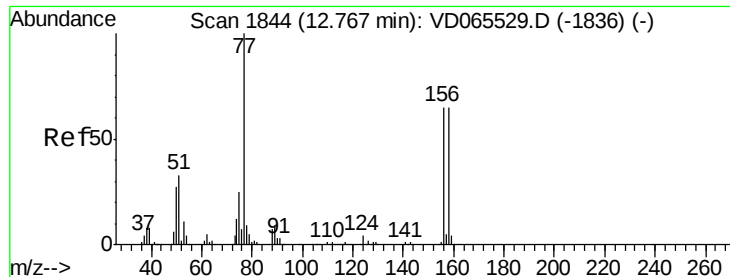
75 100

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: 20.508 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

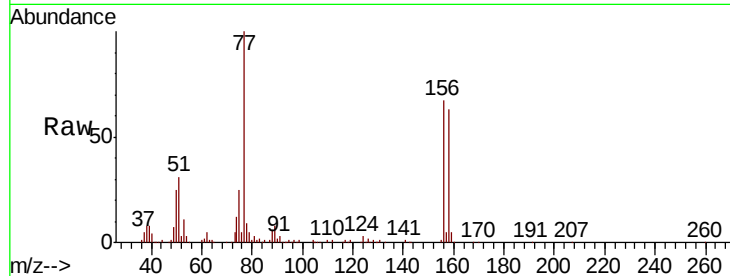
Tot Ion:156 Resp: 115144

Ion Ratio Lower Upper

156 100

77 163.3 81.8 245.3

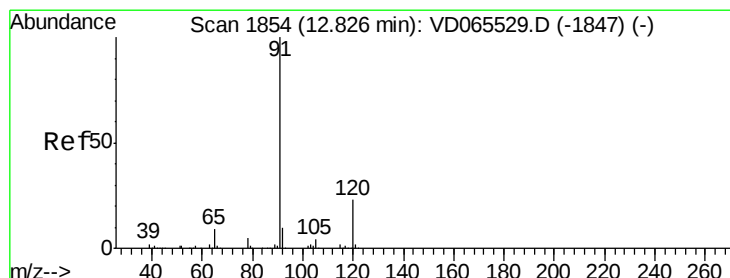
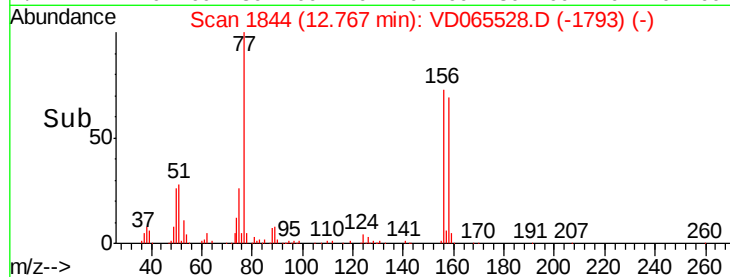
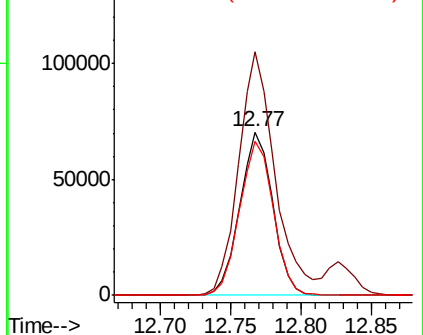
158 96.6 49.1 147.4



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: 19.805 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065528.D

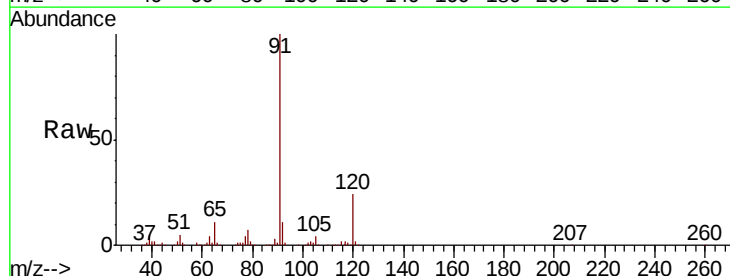
Acq: 26 Mar 2020 16:34

Tgt Ion: 91 Resp: 527531

Ion Ratio Lower Upper

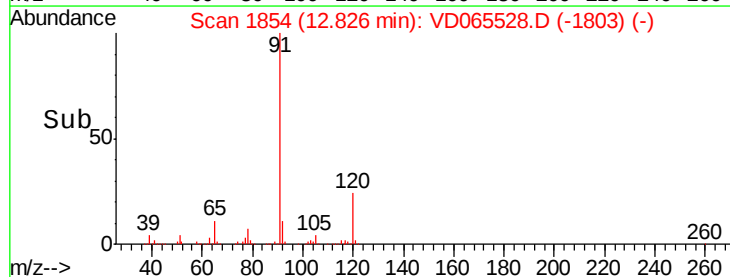
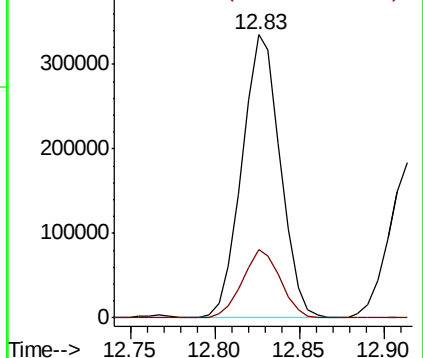
91 100

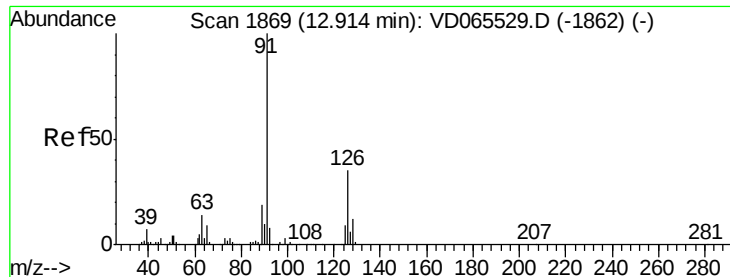
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

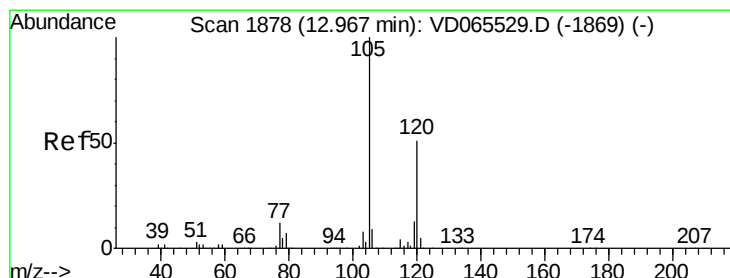
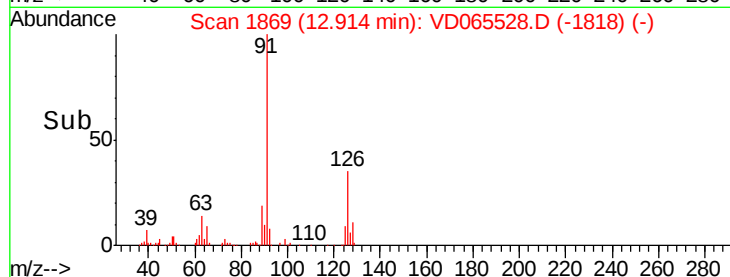
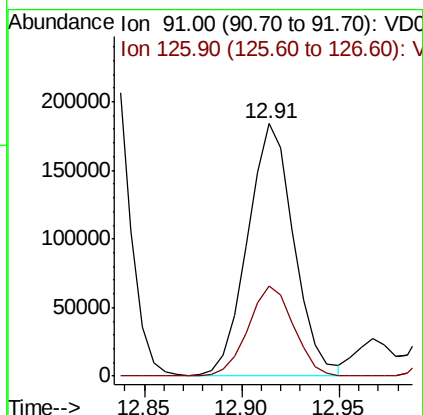
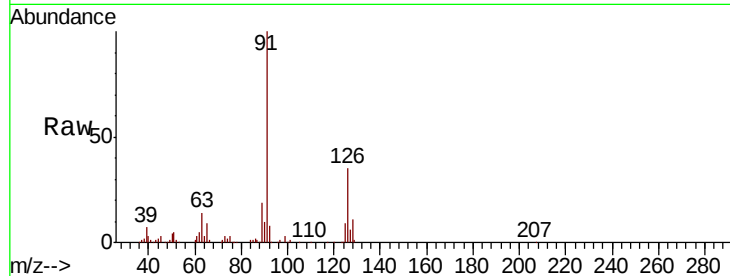




#79
 2-Chlorotoluene
 Concen: 20.042 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

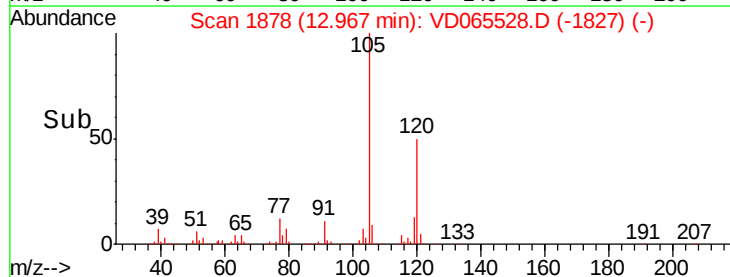
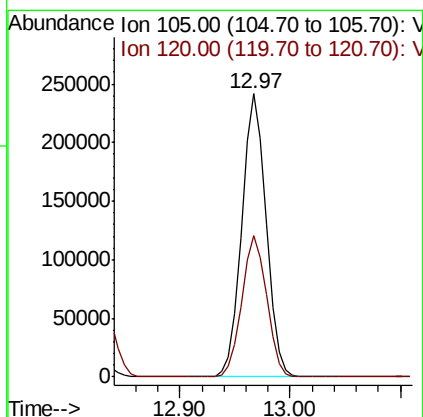
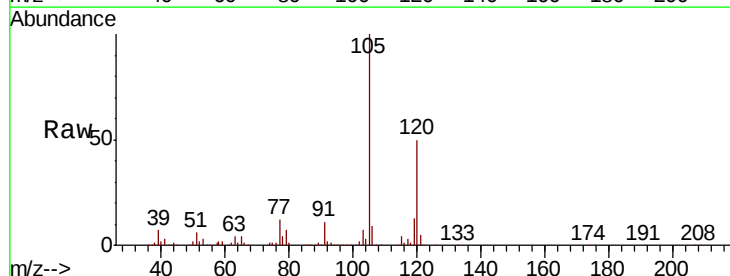
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

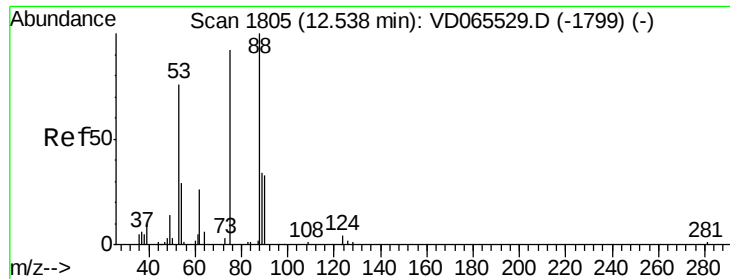
Tot Ion: 91 Resp: 301501
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 20.395 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Tgt Ion: 105 Resp: 375382
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.982 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

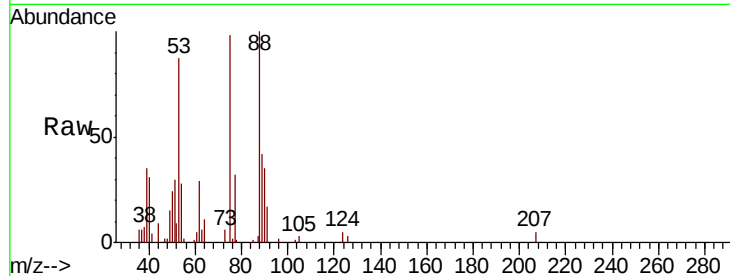
Tot Ion: 75 Resp: 24303

Ion Ratio Lower Upper

75 100

53 94.6 72.4 108.6

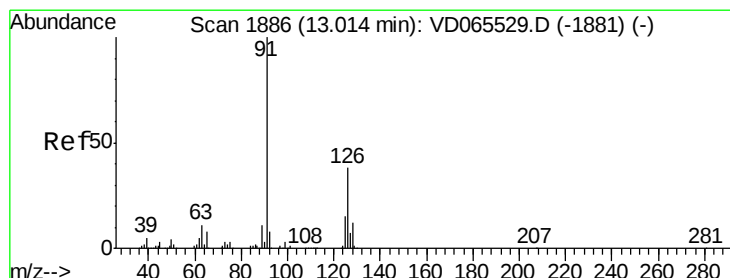
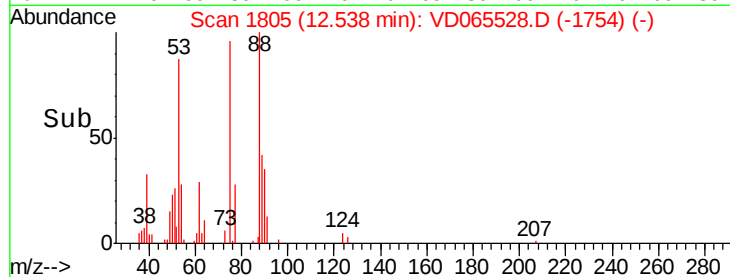
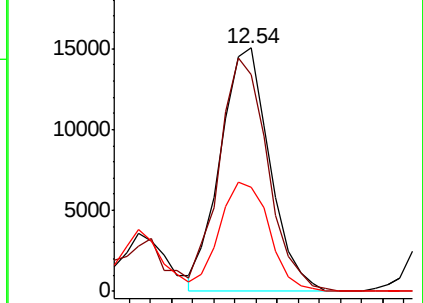
89 45.3 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.853 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065528.D

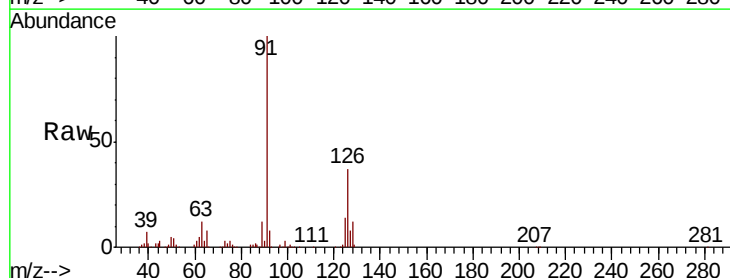
Acq: 26 Mar 2020 16:34

Tgt Ion: 91 Resp: 329364

Ion Ratio Lower Upper

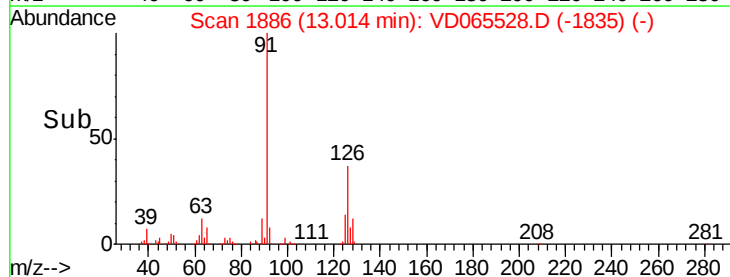
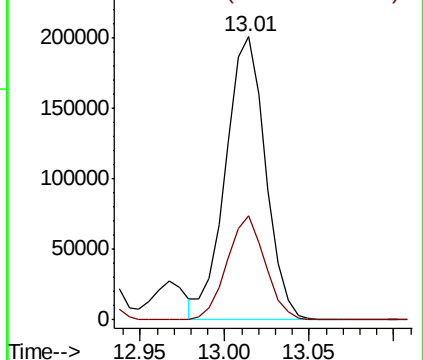
91 100

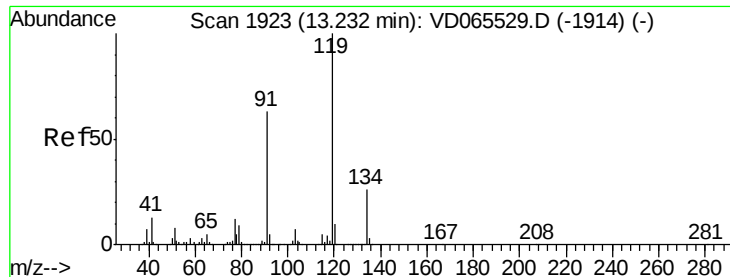
126 35.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

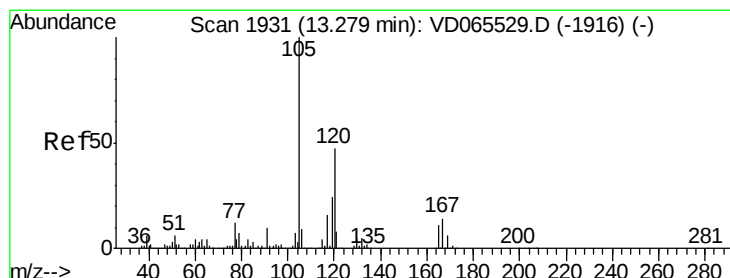
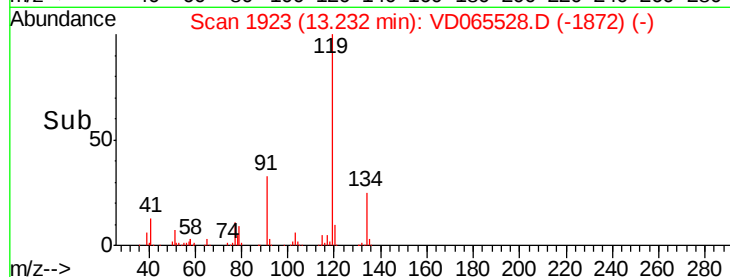
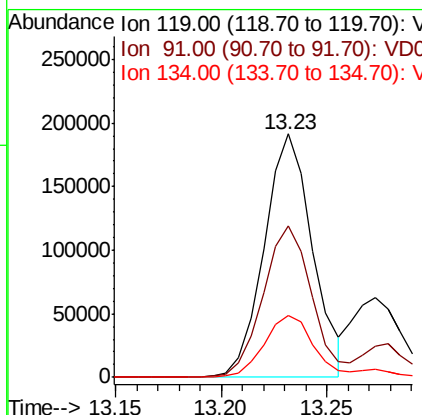
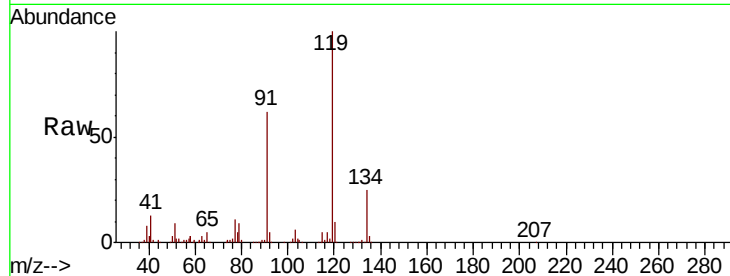




#83
tert-Butylbenzene
Concen: 19.510 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

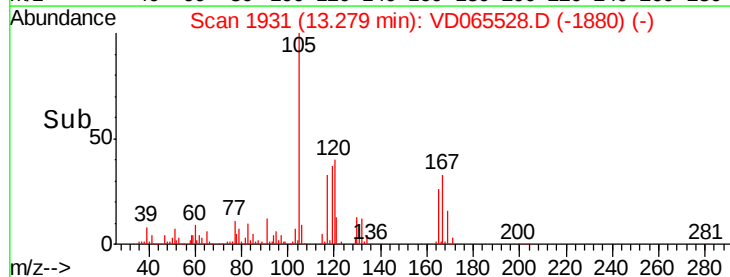
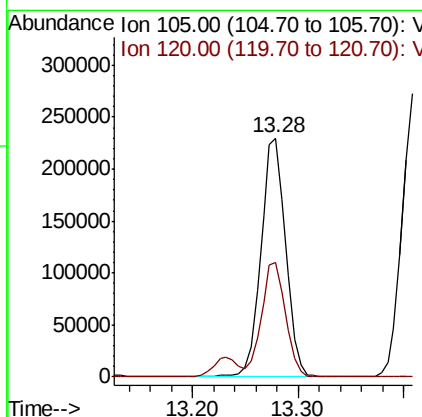
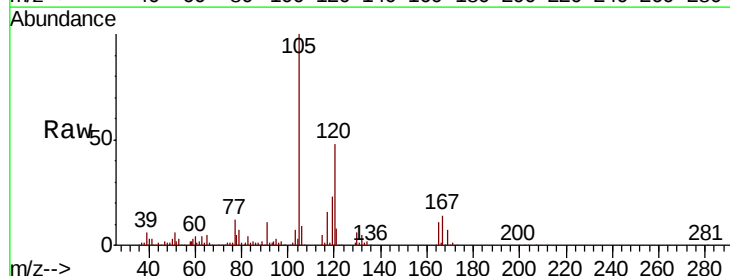
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

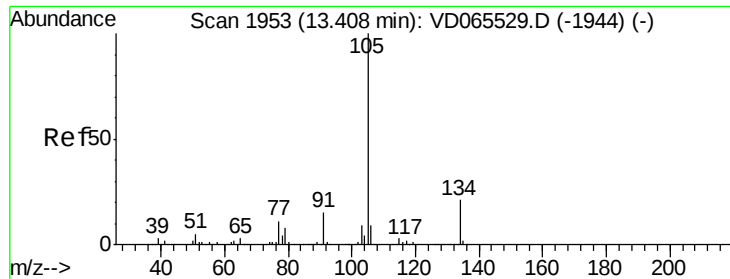
Tot Ion:119 Resp: 304475
Ion Ratio Lower Upper
119 100
91 63.4 31.4 94.0
134 25.9 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 20.564 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion:105 Resp: 374044
Ion Ratio Lower Upper
105 100
120 46.5 23.5 70.5





#85

sec-Butylbenzene

Concen: 19.768 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

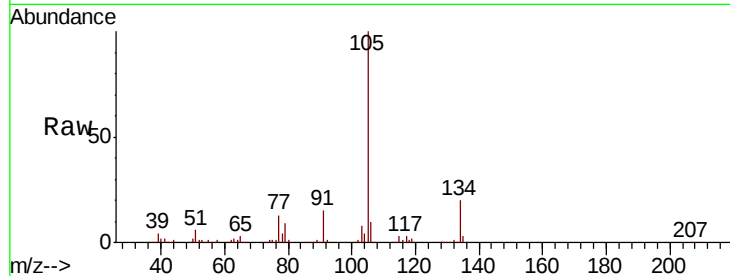
VSTDIC020

Tot Ion:105 Resp: 438599

Ion Ratio Lower Upper

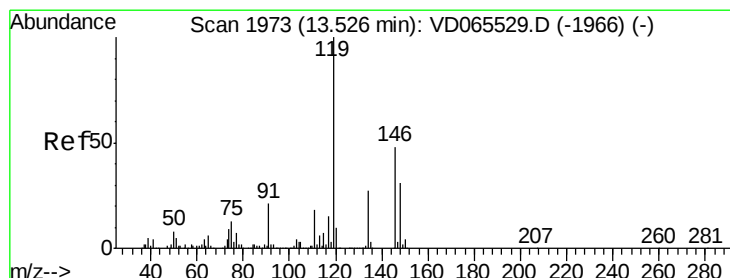
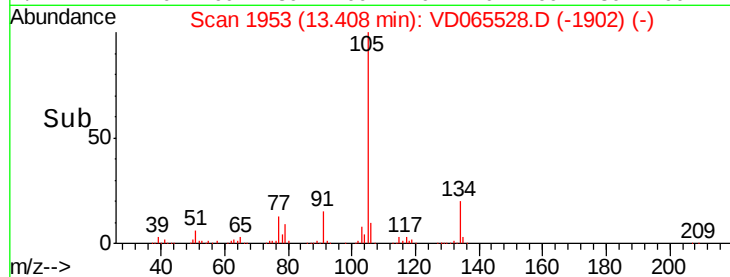
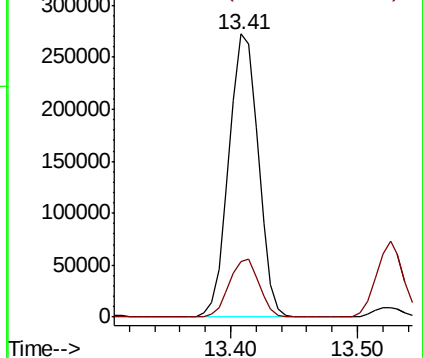
105 100

134 20.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.273 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

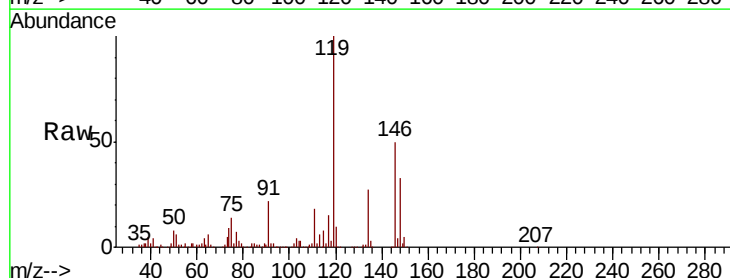
Tgt Ion:119 Resp: 410926

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

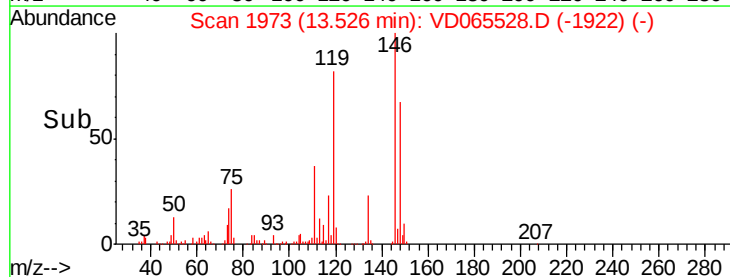
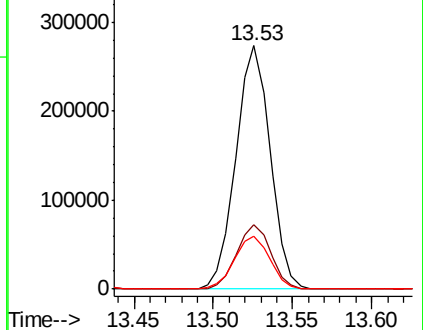
91 22.4 10.8 32.3

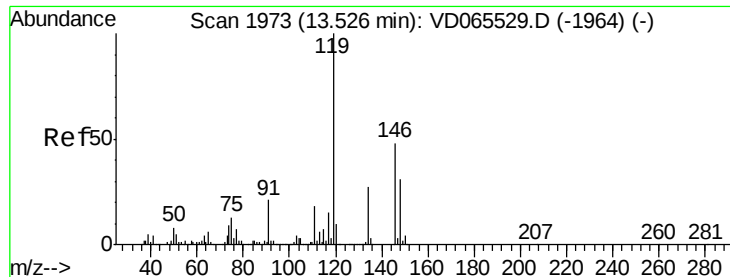


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.632 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

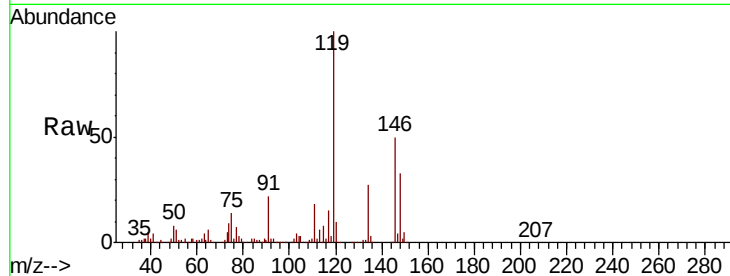
Tot Ion:146 Resp: 222793

Ion Ratio Lower Upper

146 100

111 37.4 18.5 55.5

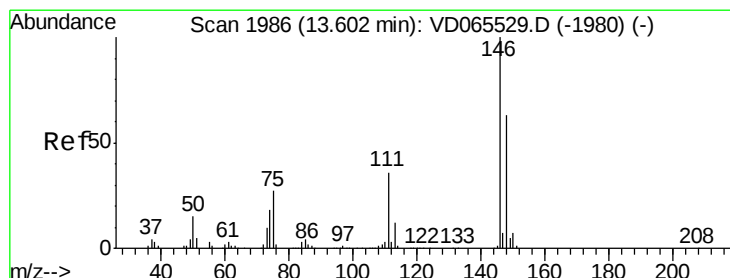
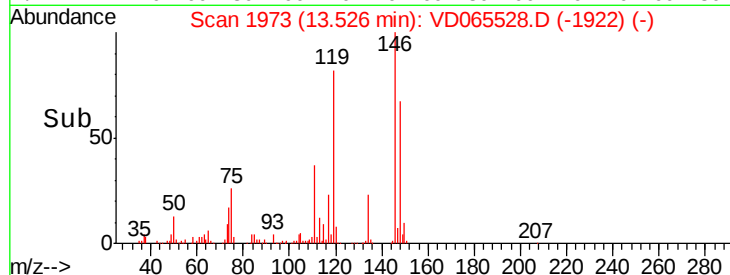
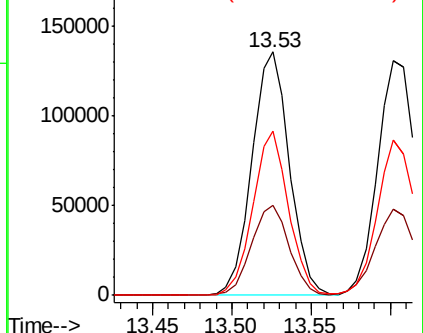
148 64.3 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 20.351 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065528.D

Acq: 26 Mar 2020 16:34

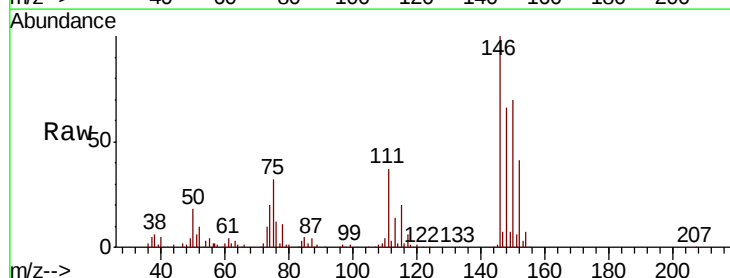
Tgt Ion:146 Resp: 218766

Ion Ratio Lower Upper

146 100

111 38.0 18.0 54.0

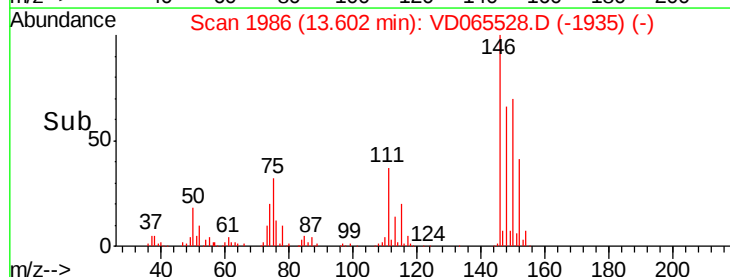
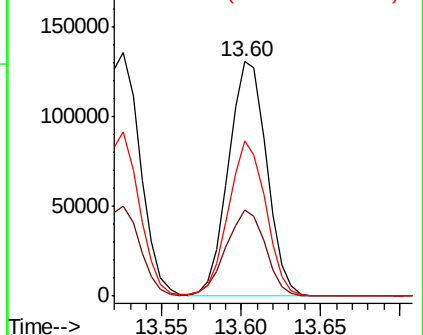
148 64.9 31.6 94.8

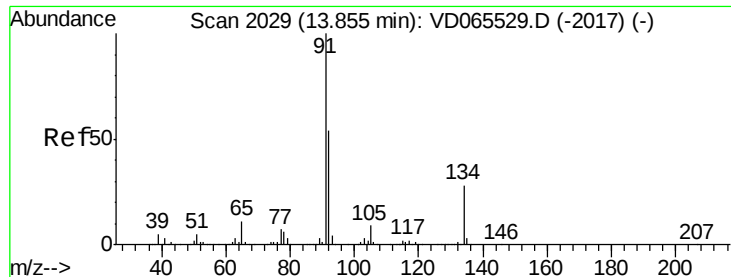


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

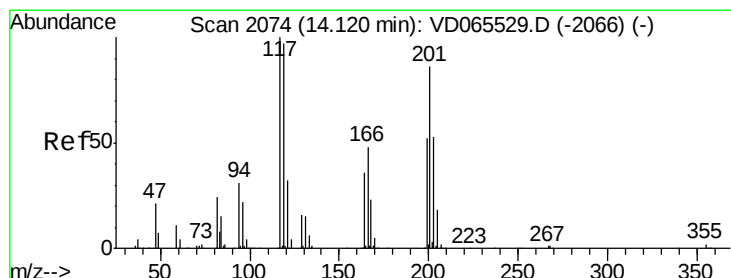
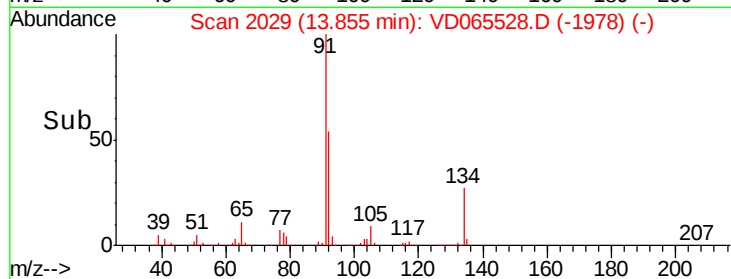
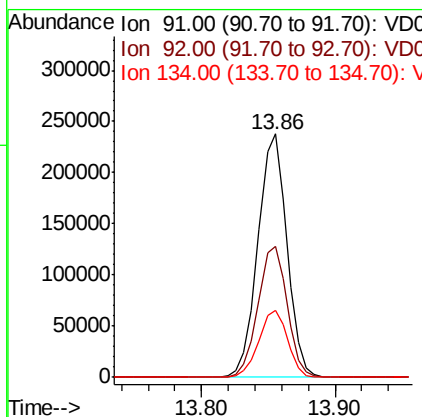
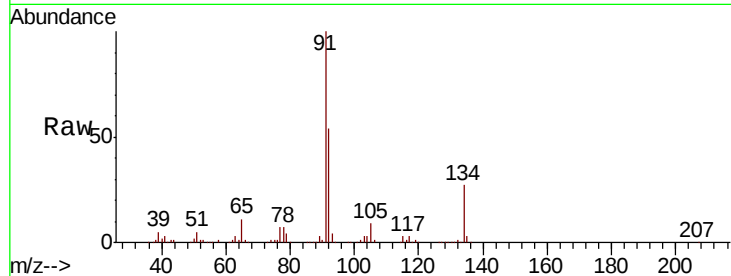




#89
n-Butylbenzene
Concen: 19.113 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

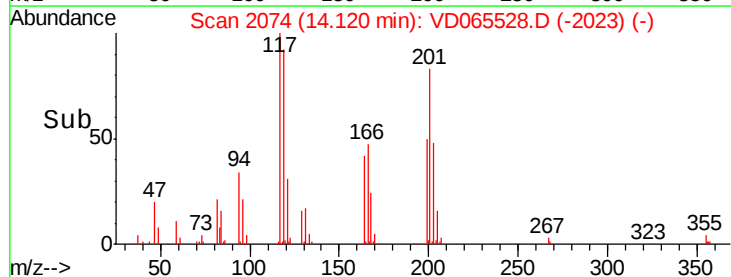
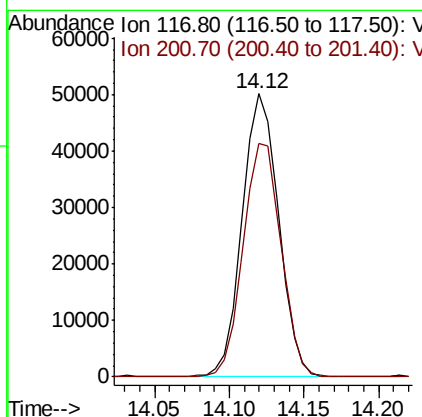
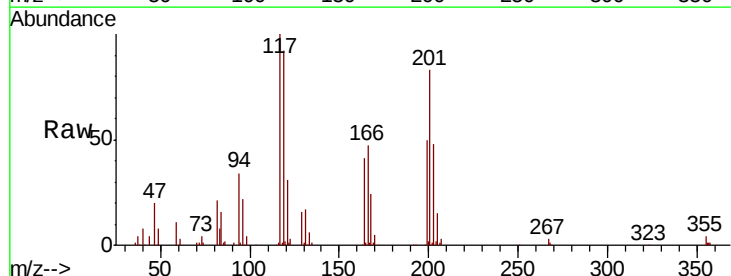
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

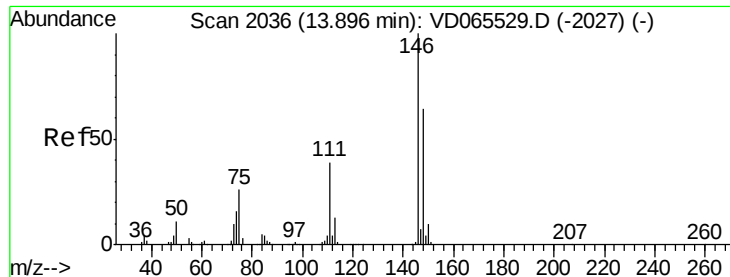
Tot Ion: 91 Resp: 356641
Ion Ratio Lower Upper
91 100
92 54.1 26.8 80.4
134 27.3 13.7 41.0



#90
Hexachloroethane
Concen: 20.333 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion: 117 Resp: 84944
Ion Ratio Lower Upper
117 100
201 85.6 43.9 131.6

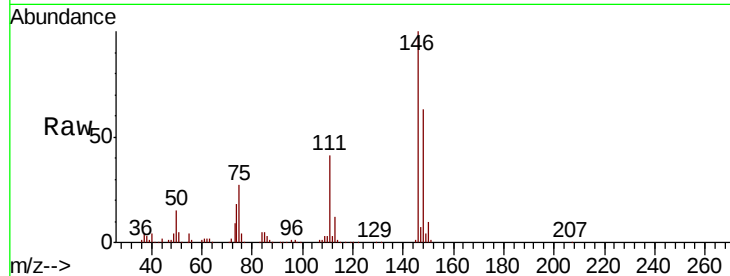




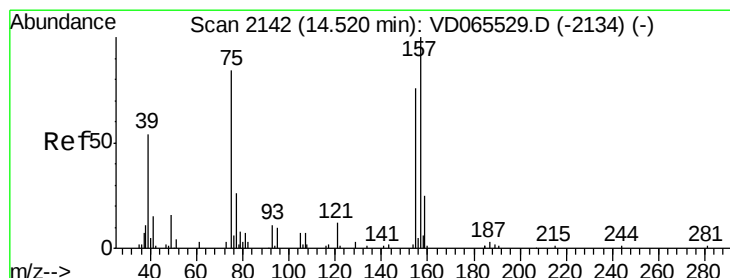
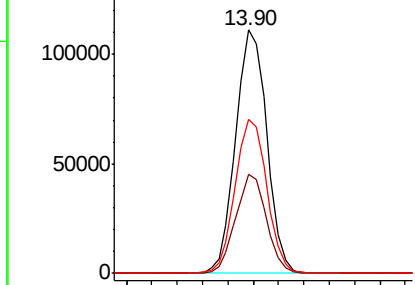
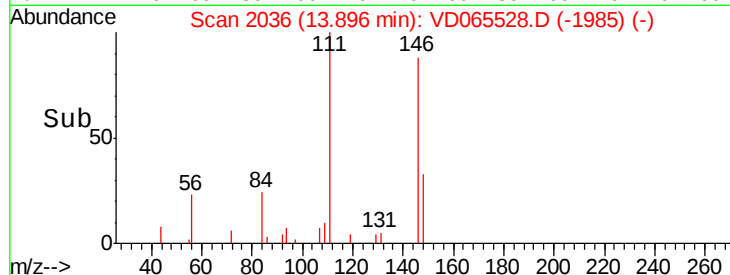
#91
 1,2-Dichlorobenzene
 Concen: 20.617 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 189480
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.4 58.4
 148 64.0 32.1 96.5

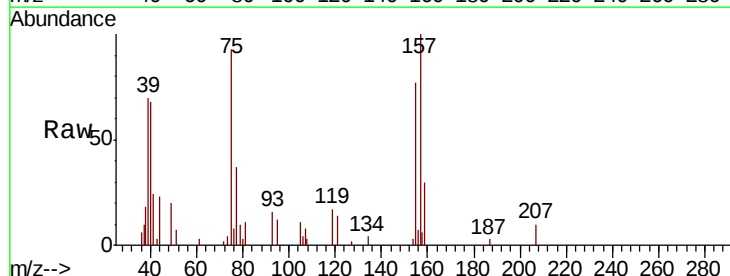


Abundance Ion 145.90 (145.60 to 146.60): V
 150000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

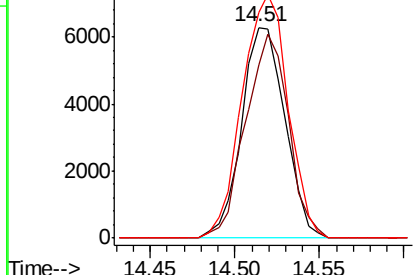
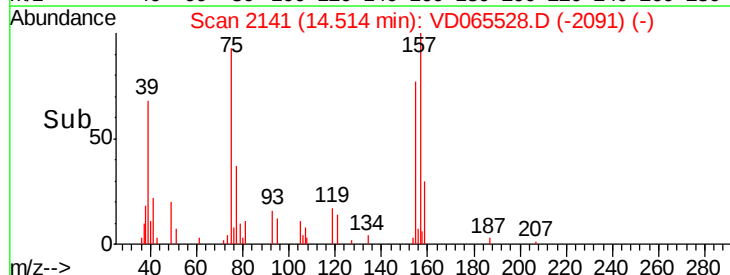


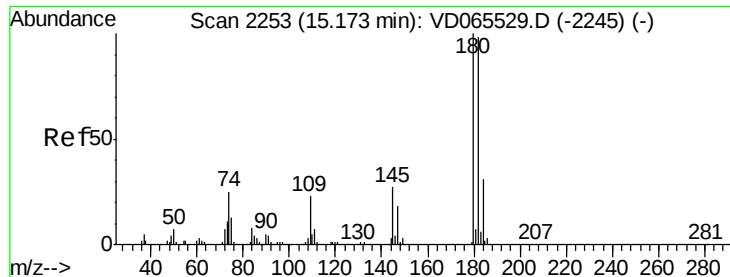
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.507 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Tgt Ion: 75 Resp: 11178
 Ion Ratio Lower Upper
 75 100
 155 95.8 46.2 138.6
 157 122.0 57.9 173.7



Abundance Ion 74.90 (74.60 to 75.60): VDC
 10000 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

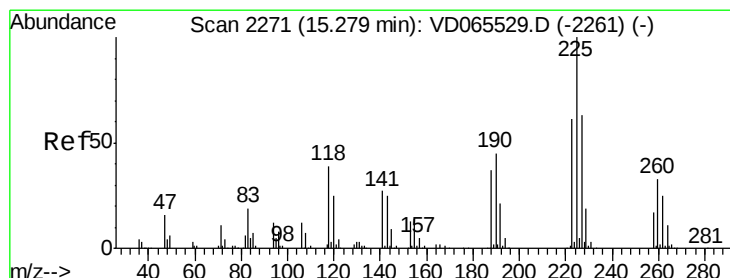
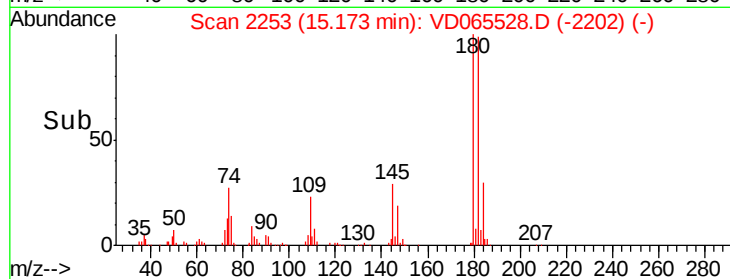
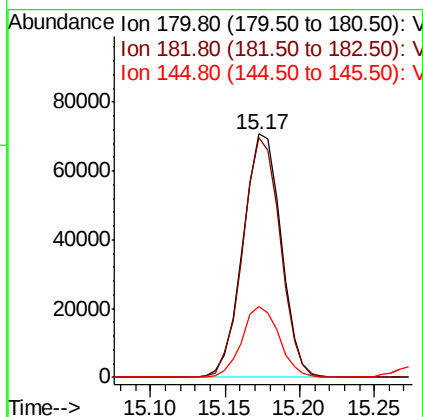
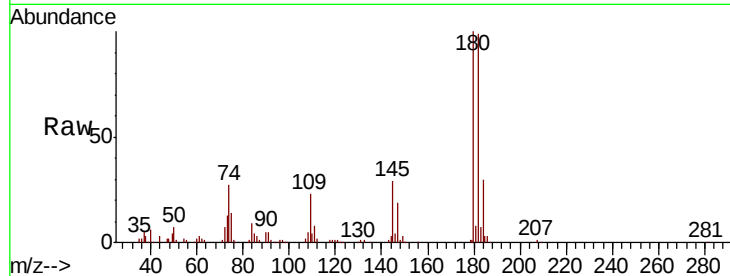




#93
 1,2,4-Trichlorobenzene
 Concen: 20.011 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

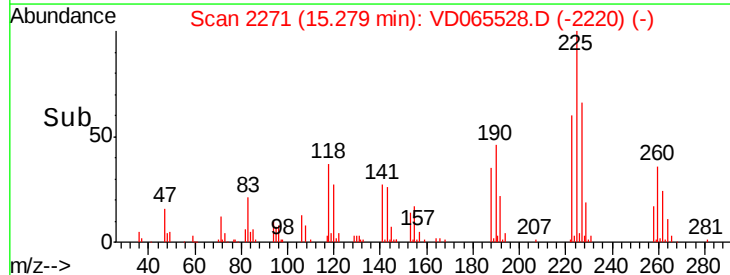
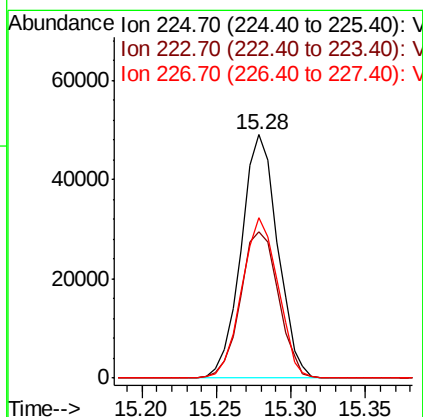
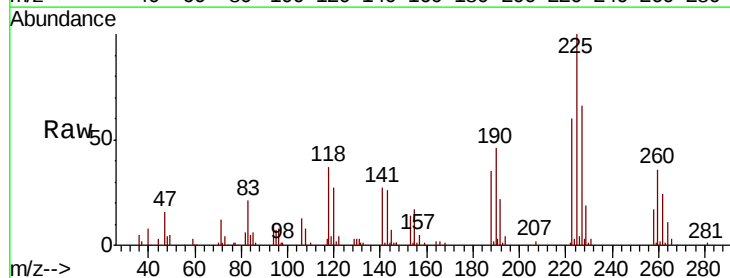
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

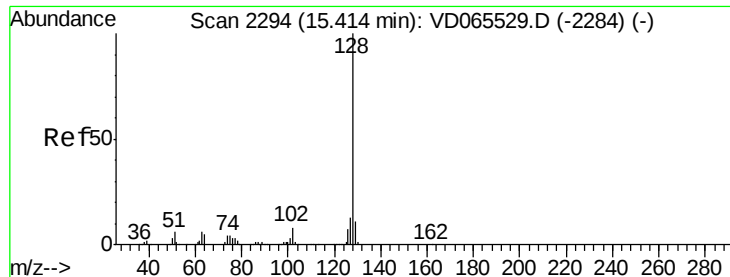
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.3
145	28.4	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 20.389 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065528.D
 Acq: 26 Mar 2020 16:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.2	93.6
227	65.4	32.3	96.9

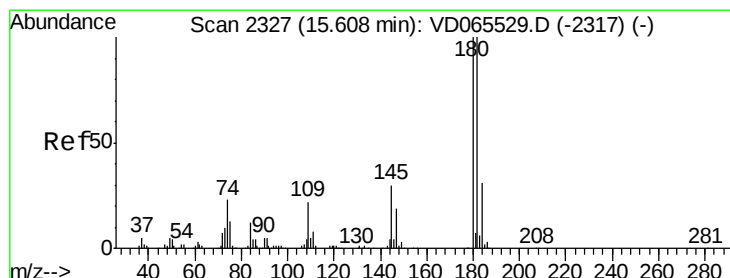
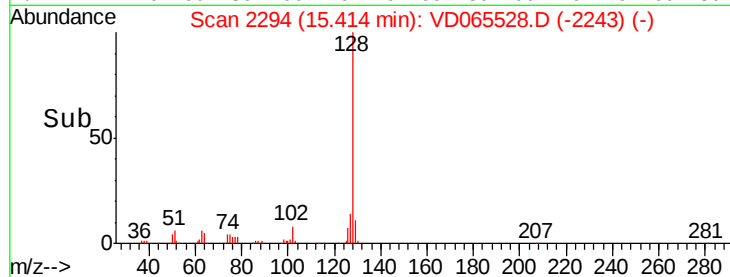
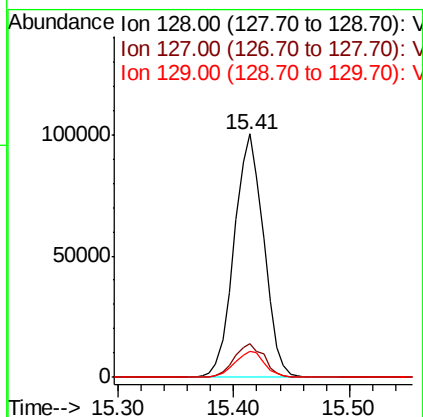
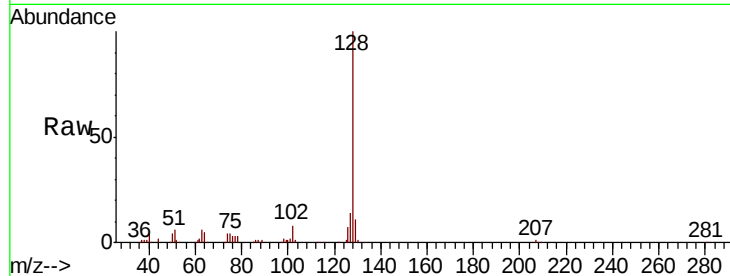




#95
Naphthalene
Concen: 17.886 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 177869
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.808 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065528.D
Acq: 26 Mar 2020 16:34

Tgt Ion:180 Resp: 106772
Ion Ratio Lower Upper
180 100
182 99.9 48.1 144.3
145 30.8 15.0 45.0

