

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065536.D
 Acq On : 27 Mar 2020 11:26
 Operator : VA/SY
 Sample : VD0327SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:31:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	542155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	765530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	704069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	349974	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	224203	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.91	113	244800	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.34	98	953889	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.64	95	295935	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82041	24.833	ug/l	97
3) Chloromethane	2.21	50	103940	22.584	ug/l	98
4) Vinyl Chloride	2.35	62	106135	21.184	ug/l	91
5) Bromomethane	2.76	94	70730	20.564	ug/l	92
6) Chloroethane	2.92	64	66450	20.525	ug/l	97
7) Trichlorofluoromethane	3.27	101	161705	21.634	ug/l	97
8) Diethyl Ether	3.70	74	43687	18.420	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100908	20.469	ug/l	99
10) Methyl Iodide	4.29	142	95628	16.765	ug/l	99
11) Tert butyl alcohol	5.24	59	15514	61.130	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	94930	20.268	ug/l	96
13) Acrolein	3.92	56	34864	81.364	ug/l	100
14) Allyl chloride	4.71	41	135114	18.959	ug/l	100
15) Acrylonitrile	5.43	53	86136	88.198	ug/l	100
16) Acetone	4.16	43	77836	91.405	ug/l	94
17) Carbon Disulfide	4.40	76	316448	20.494	ug/l	100
18) Methyl Acetate	4.71	43	39847	17.995	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	161714	17.312	ug/l	99
20) Methylene Chloride	4.96	84	110979	17.516	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	108141	20.068	ug/l	97
22) Diisopropyl ether	6.37	45	266623	19.293	ug/l	97
23) Vinyl Acetate	6.31	43	678348	90.116	ug/l	99
24) 1,1-Dichloroethane	6.26	63	175118	19.983	ug/l	96
25) 2-Butanone	7.21	43	102856	88.939	ug/l	96
26) 2,2-Dichloropropane	7.21	77	157913	20.349	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105823	18.951	ug/l	98
28) Bromochloromethane	7.55	49	69114	18.968	ug/l	96
29) Tetrahydrofuran	7.57	42	64359	85.866	ug/l	100
30) Chloroform	7.71	83	180414	19.874	ug/l	97
31) Cyclohexane	7.98	56	165960	19.563	ug/l	88
32) 1,1,1-Trichloroethane	7.91	97	168014	20.487	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146977	21.014	ug/l	99
37) Ethyl Acetate	7.30	43	51554	19.256	ug/l #	78
38) Carbon Tetrachloride	8.10	117	152565	20.710	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165349	20.051	ug/l	97
40) Benzene	8.35	78	414190	20.753	ug/l	99
41) Methacrylonitrile	7.53	41	22874	14.801	ug/l #	68
42) 1,2-Dichloroethane	8.43	62	106092	19.976	ug/l	99
43) Isopropyl Acetate	8.46	43	90338	18.581	ug/l	96
44) Trichloroethene	9.11	130	115913	20.016	ug/l	100
45) 1,2-Dichloropropane	9.39	63	96475	19.899	ug/l	97
46) Dibromomethane	9.48	93	50323	19.781	ug/l	99
47) Bromodichloromethane	9.67	83	133342	19.785	ug/l	100
48) Methyl methacrylate	9.46	41	45415	19.645	ug/l	94
49) 1,4-Dioxane	9.46	88	10970	396.551	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	238211	97.090	ug/l	98
52) Toluene	10.41	92	260433	20.604	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	119150	19.330	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	146604	19.440	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71501	19.702	ug/l	95
56) Ethyl methacrylate	10.67	69	69909	18.028	ug/l	98
57) 1,3-Dichloropropane	10.95	76	118056	19.331	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	196134	95.237	ug/l	99
59) 2-Hexanone	10.99	43	153960	92.034	ug/l	97
60) Dibromochloromethane	11.14	129	93247	19.389	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67121	19.110	ug/l	99
64) Tetrachloroethene	10.88	164	105414	20.901	ug/l	95
65) Chlorobenzene	11.67	112	274668	19.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	103103	20.086	ug/l	99
67) Ethyl Benzene	11.75	91	470415	20.291	ug/l	99
68) m/p-Xylenes	11.86	106	375475	41.248	ug/l	97
69) o-Xylene	12.18	106	158397	19.869	ug/l	99
70) Styrene	12.20	104	283073	20.103	ug/l	99
71) Bromoform	12.37	173	55696	19.672	ug/l #	100
73) Isopropylbenzene	12.48	105	437813	20.373	ug/l	100
74) N-amyl acetate	12.30	43	76993	18.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	74020	19.830	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	93270	34.665	ug/l #	100
77) Bromobenzene	12.77	156	112385	20.013	ug/l	99
78) n-propylbenzene	12.83	91	539274	21.053	ug/l	100
79) 2-Chlorotoluene	12.91	91	301728	20.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	377180	21.176	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22773	18.893	ug/l	98
82) 4-Chlorotoluene	13.01	91	324327	20.884	ug/l	99
83) tert-Butylbenzene	13.23	119	303908	20.372	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	371584	20.867	ug/l	100
85) sec-Butylbenzene	13.41	105	439342	20.580	ug/l	100
86) p-Isopropyltoluene	13.53	119	410774	20.881	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	224561	20.773	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	218323	20.212	ug/l	99
89) n-Butylbenzene	13.86	91	368871	20.647	ug/l	99
90) Hexachloroethane	14.12	117	86307	20.921	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	186725	20.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10535	18.735	ug/l	98

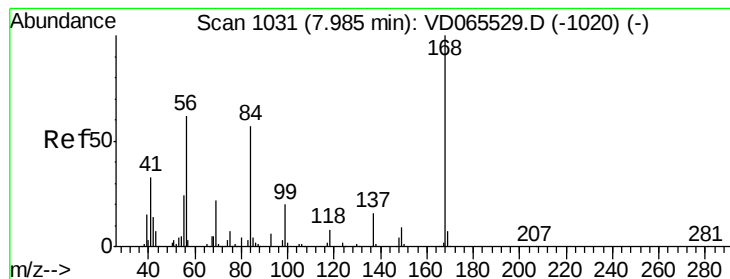
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118164	18.619	ug/l	99
94) Hexachlorobutadiene	15.28	225	86192	20.841	ug/l	98
95) Naphthalene	15.41	128	162366	18.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102383	18.784	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

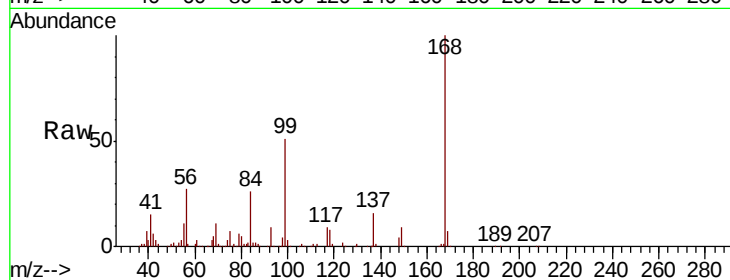
ClientSampleId :

Tot Ion:168 Resp: 542155

Ion Ratio Lower Upper

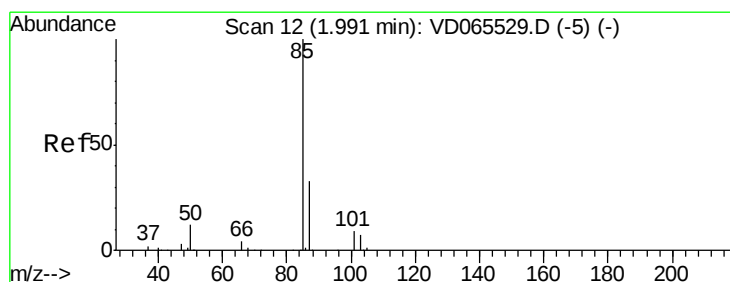
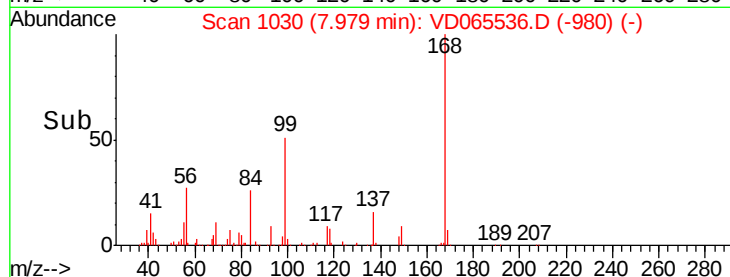
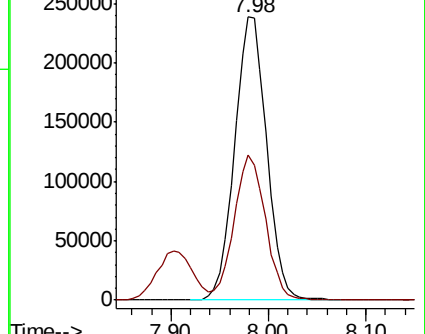
168 100

99 51.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 24.833 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065536.D

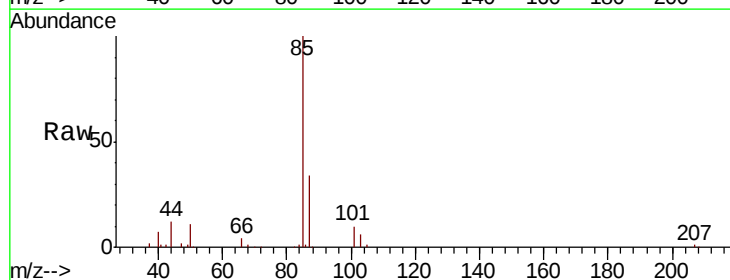
Acq: 27 Mar 2020 11:26

Tgt Ion: 85 Resp: 82041

Ion Ratio Lower Upper

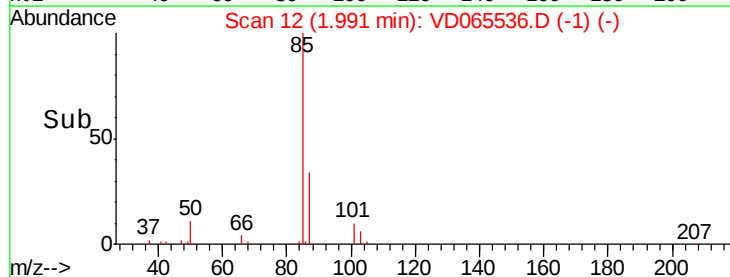
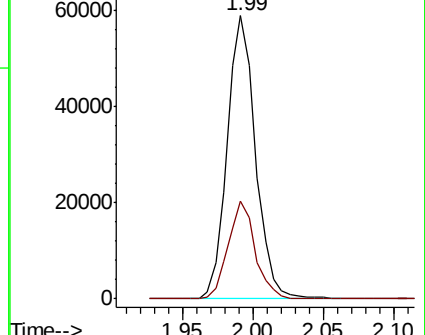
85 100

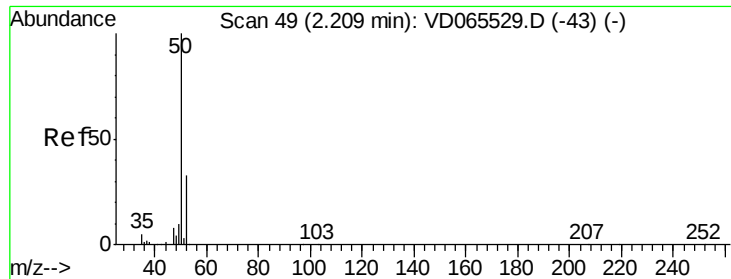
87 34.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

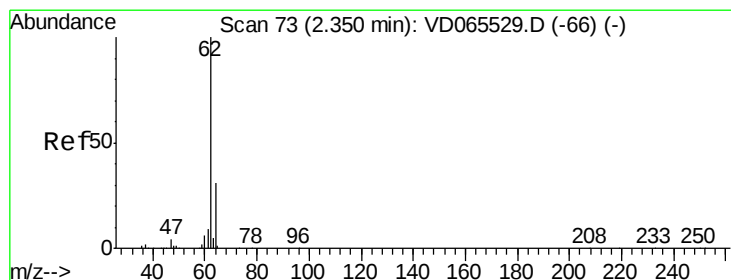
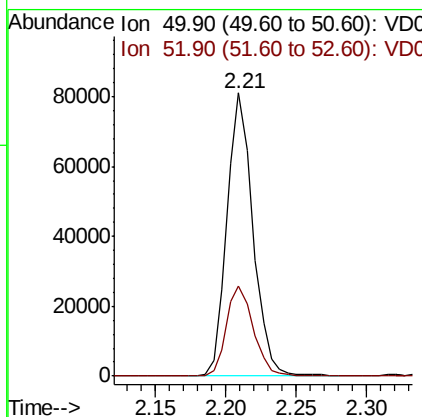
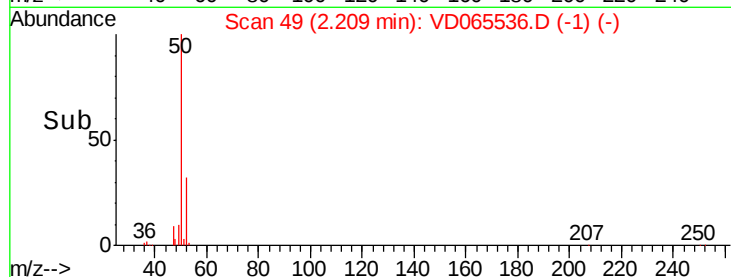
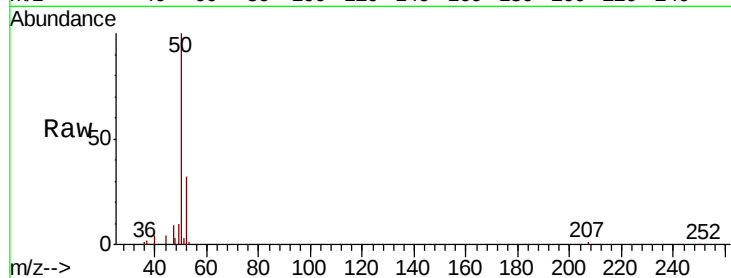




#3
Chloromethane
Concen: 22.584 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

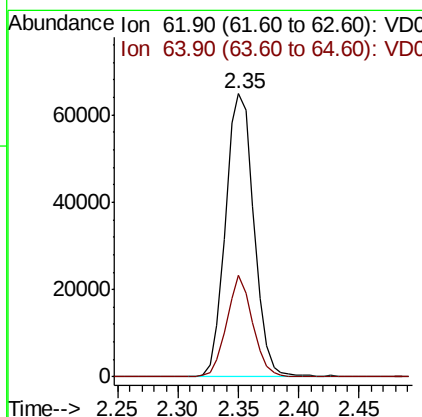
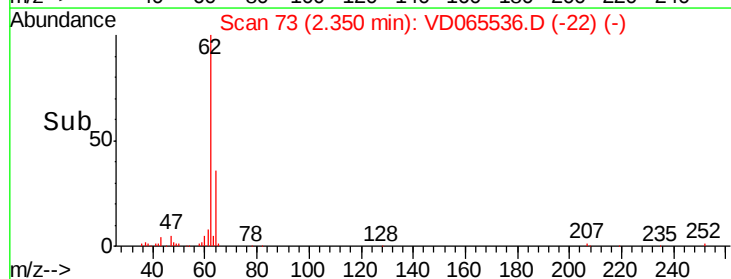
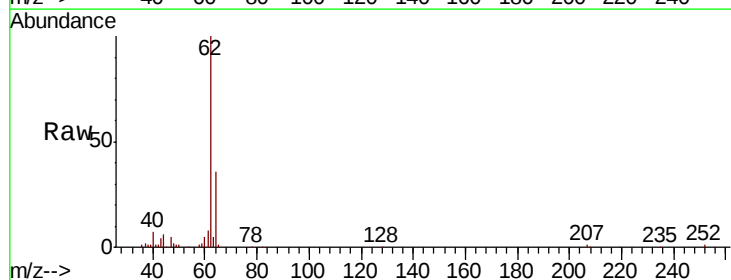
Instrument :
MSVOA_D
ClientSampleId :

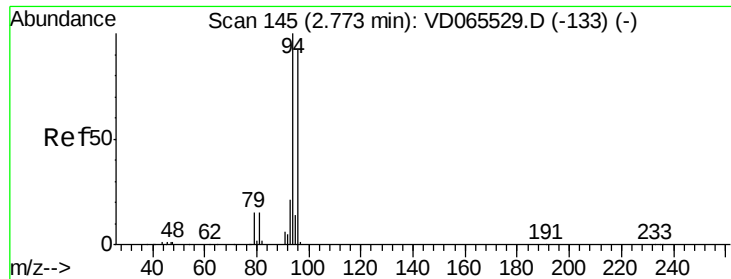
Tot Ion: 50 Resp: 103940
Ion Ratio Lower Upper
50 100
52 31.6 26.3 39.5



#4
Vinyl Chloride
Concen: 21.184 ug/l
RT: 2.35 min Scan# 73
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 62 Resp: 106135
Ion Ratio Lower Upper
62 100
64 35.8 24.8 37.2





#5

Bromomethane

Concen: 20.564 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

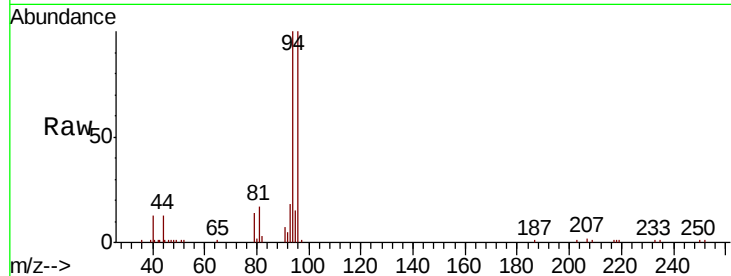
ClientSampleId :

Tot Ion: 94 Resp: 70730

Ion Ratio Lower Upper

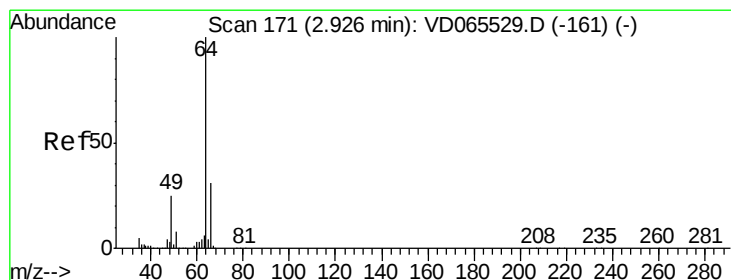
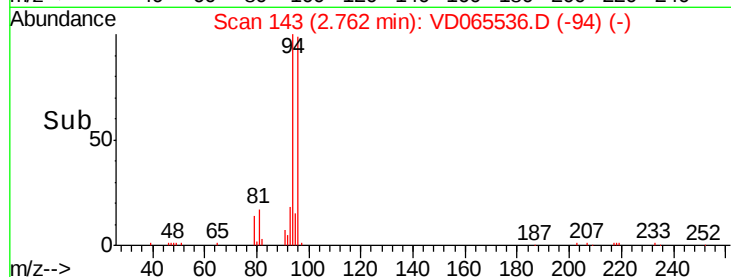
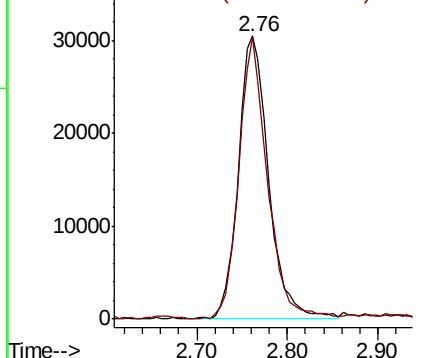
94 100

96 99.8 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: 20.525 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065536.D

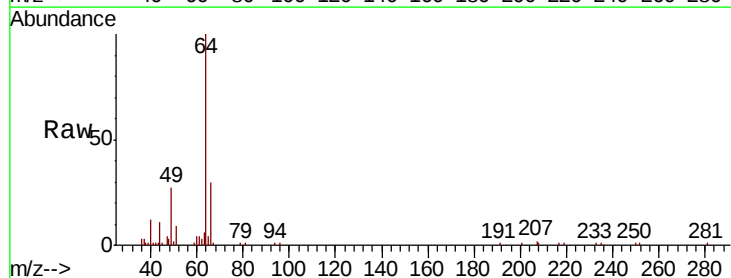
Acq: 27 Mar 2020 11:26

Tgt Ion: 64 Resp: 66450

Ion Ratio Lower Upper

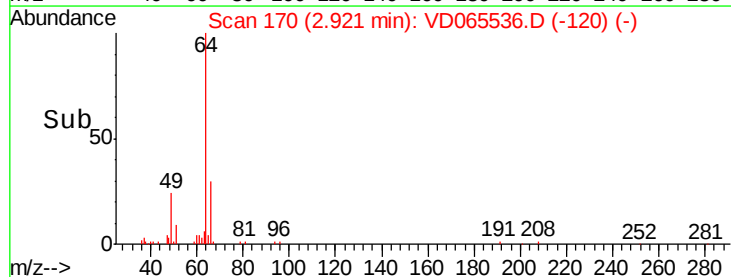
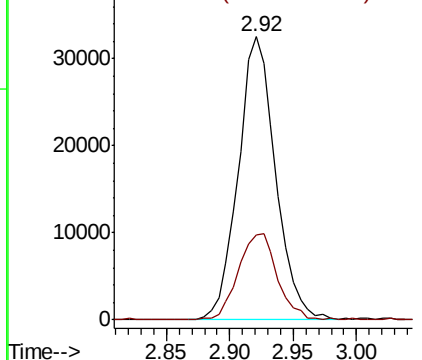
64 100

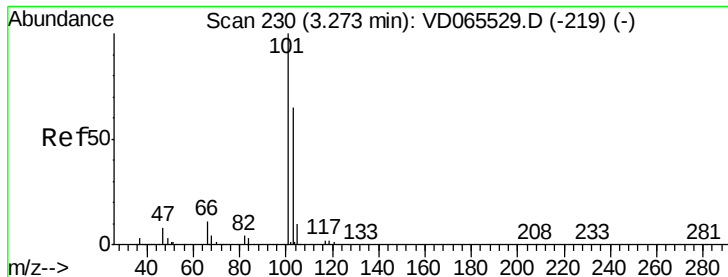
66 29.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



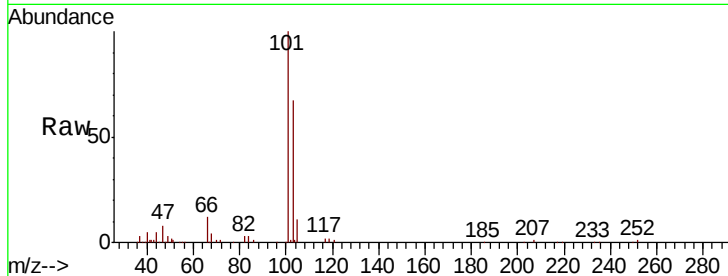


#7

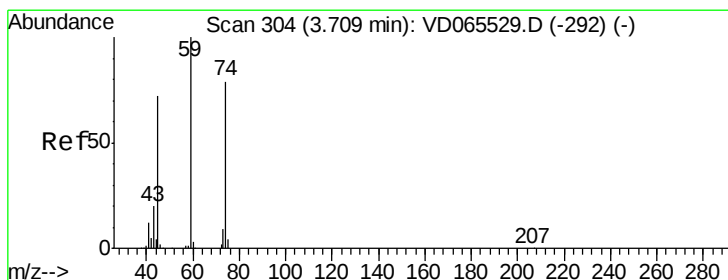
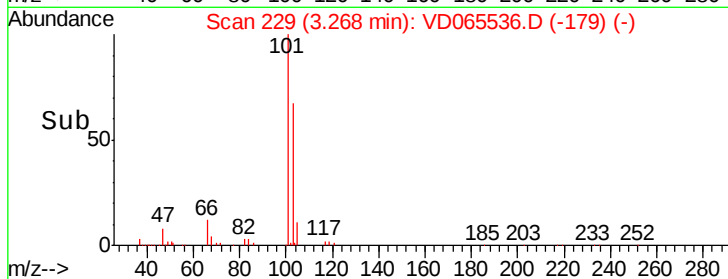
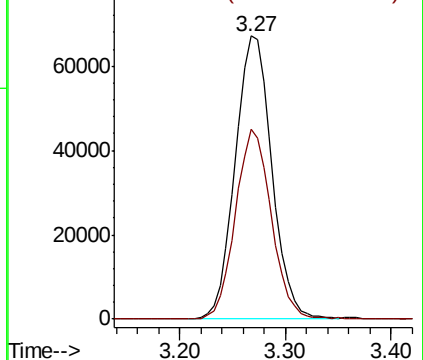
Trichlorofluoromethane
Concen: 21.634 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 161705
Ion Ratio Lower Upper
101 100
103 67.2 51.9 77.9



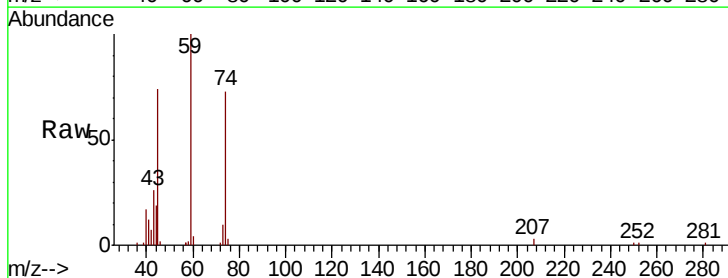
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



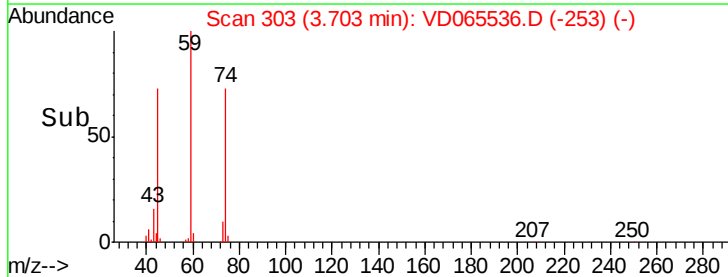
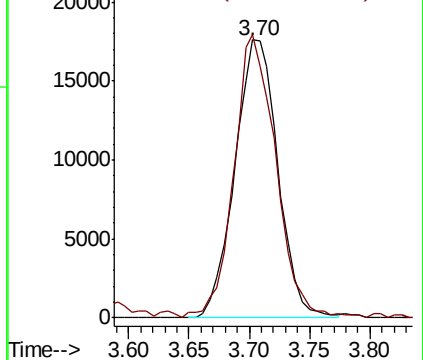
#8

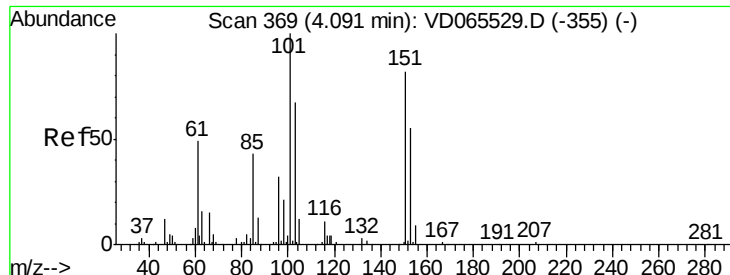
Diethyl Ether
Concen: 18.420 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 74 Resp: 43687
Ion Ratio Lower Upper
74 100
45 99.4 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.469 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

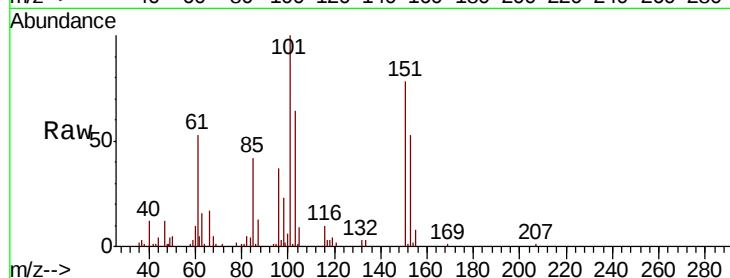
Tot Ion:101 Resp: 100908

Ion Ratio Lower Upper

101 100

85 42.7 32.6 48.8

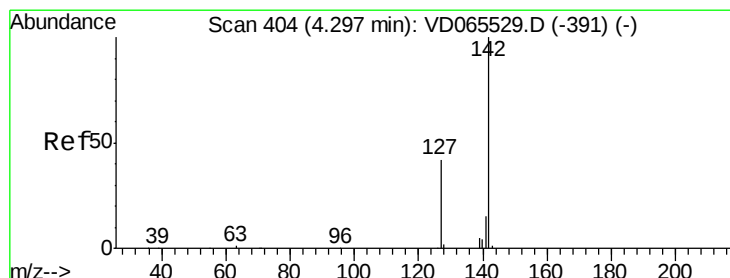
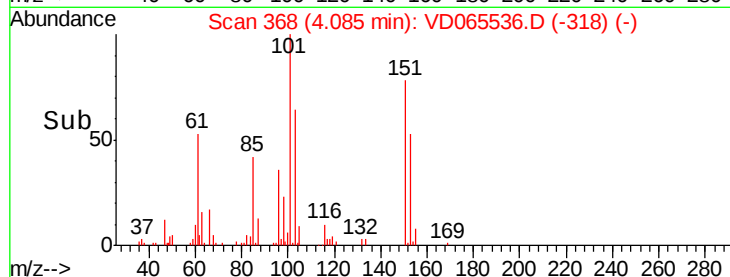
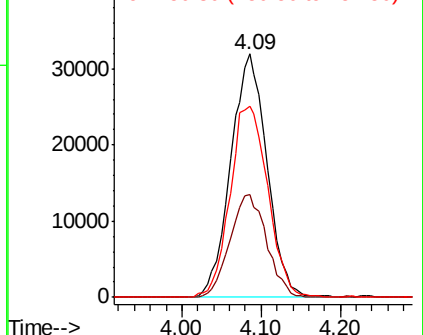
151 82.3 65.5 98.3



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: 16.765 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

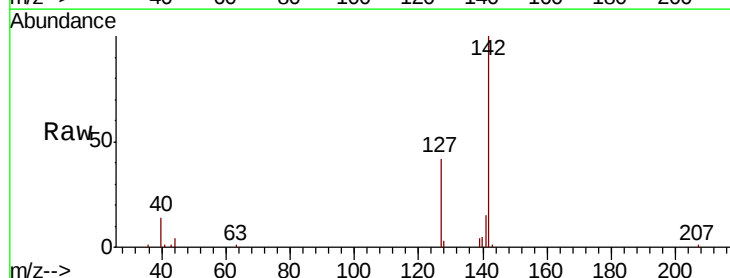
Tgt Ion:142 Resp: 95628

Ion Ratio Lower Upper

142 100

127 42.0 33.9 50.9

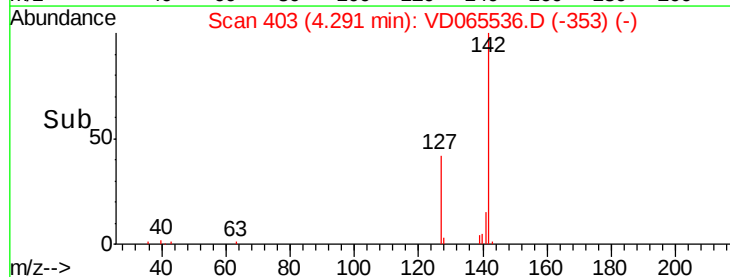
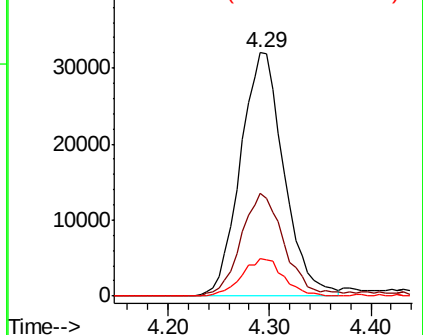
141 14.8 11.6 17.4

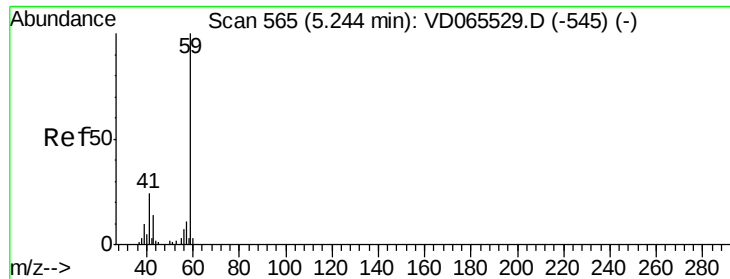


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



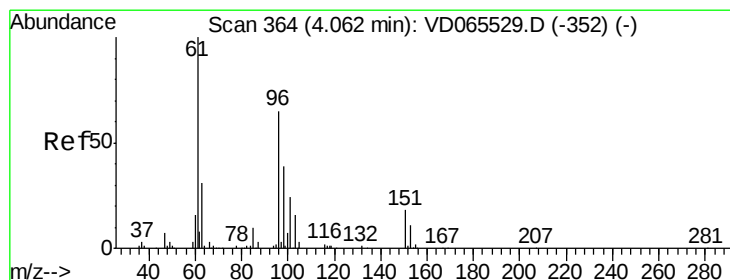
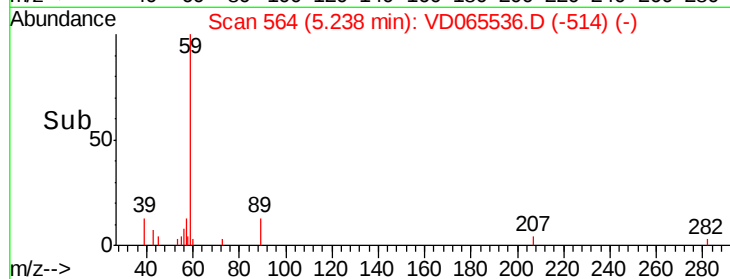
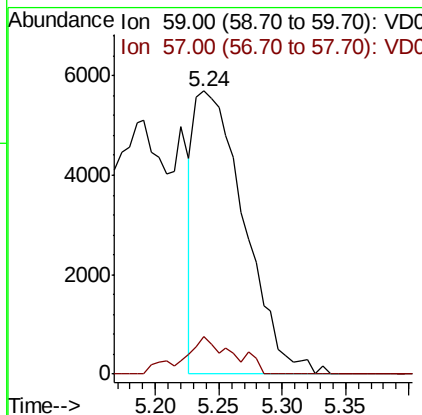
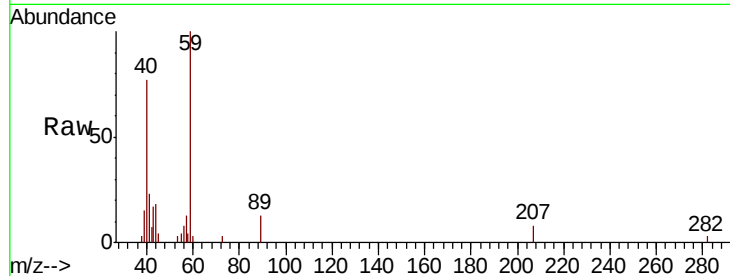


#11

Tert butyl alcohol
 Concen: 61.130 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :

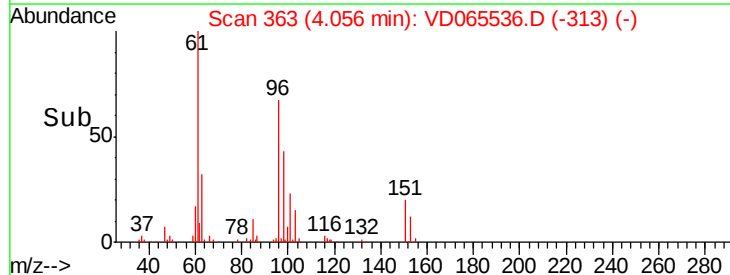
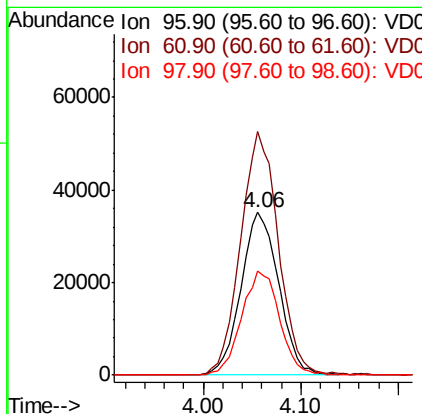
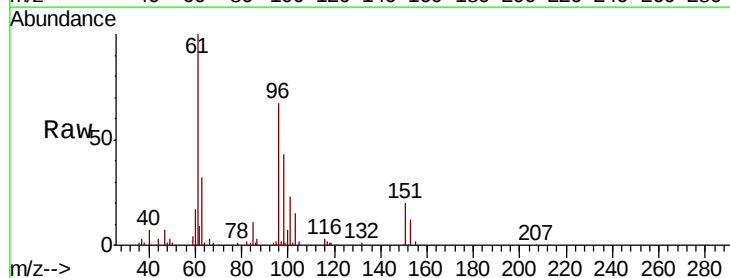
Tot Ion: 59 Resp: 15514
 Ion Ratio Lower Upper
 59 100
 57 13.2 8.1 12.1#

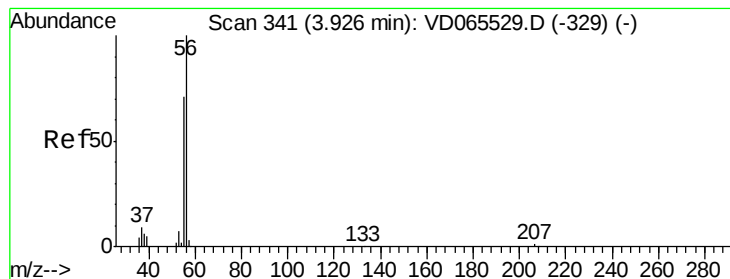


#12

1,1-Dichloroethene
 Concen: 20.268 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion: 96 Resp: 94930
 Ion Ratio Lower Upper
 96 100
 61 149.7 124.0 186.0
 98 64.0 48.2 72.4





#13

Acrolein

Concen: 81.364 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

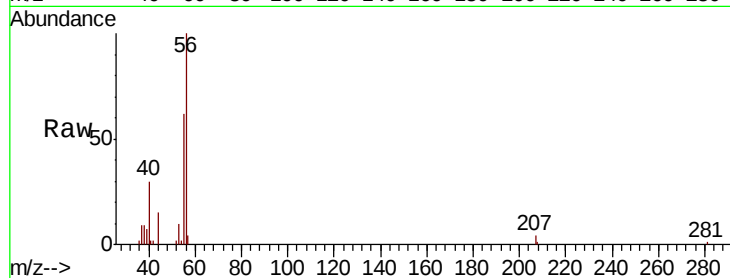
ClientSampleId :

Tot Ion: 56 Resp: 34864

Ion Ratio Lower Upper

56 100

55 70.3 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

15000

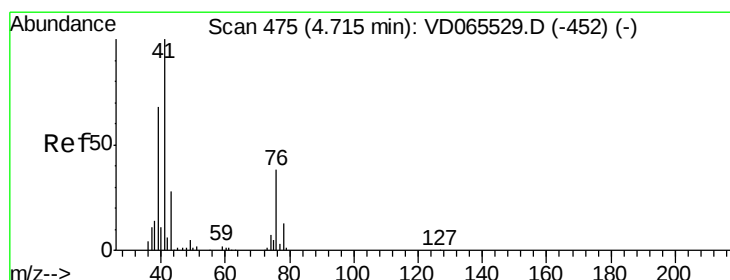
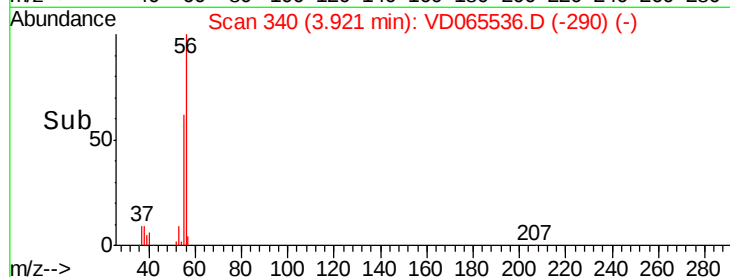
10000

5000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 18.959 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

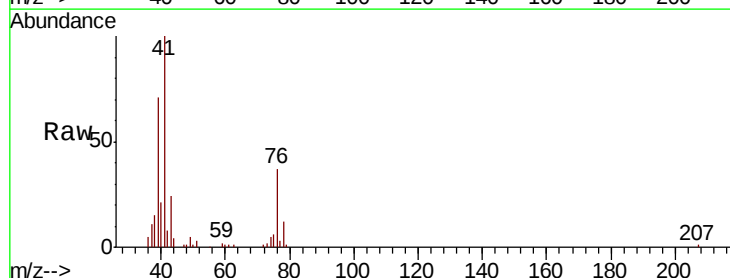
Tgt Ion: 41 Resp: 135114

Ion Ratio Lower Upper

41 100

39 66.0 52.9 79.3

76 36.7 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

4.71

50000

40000

30000

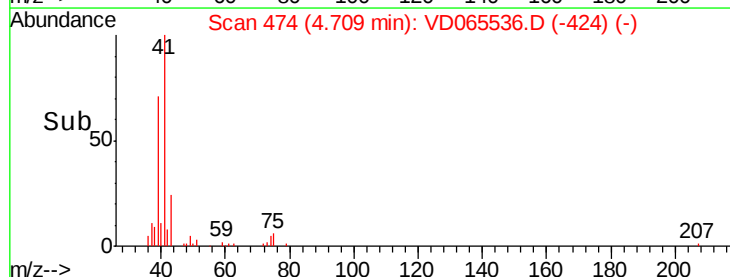
20000

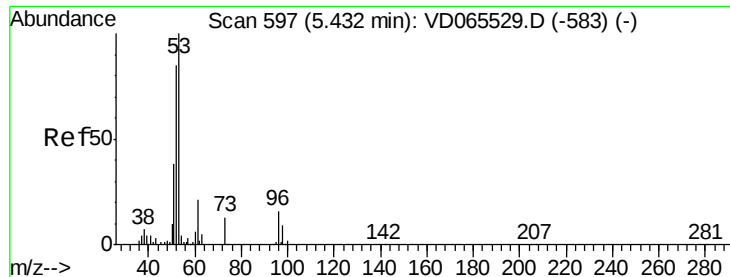
10000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 88.198 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

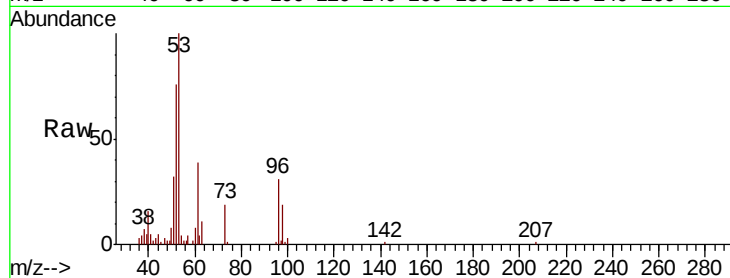
Tot Ion: 53 Resp: 86136

Ion Ratio Lower Upper

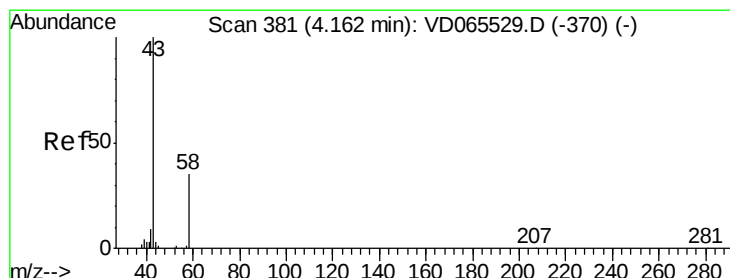
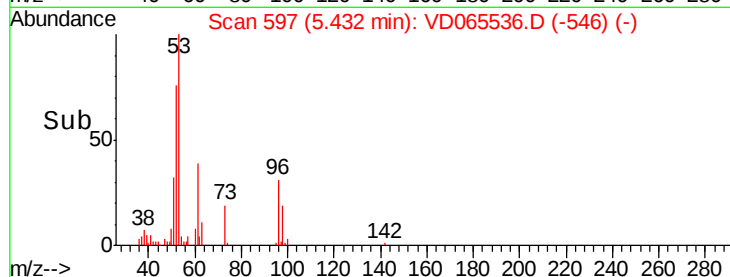
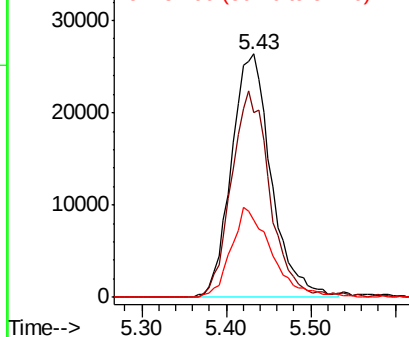
53 100

52 82.6 65.8 98.6

51 37.1 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: 91.405 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065536.D

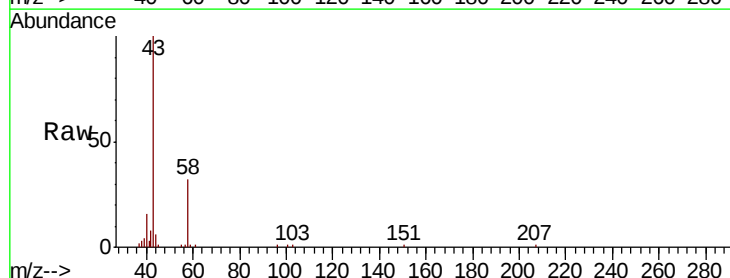
Acq: 27 Mar 2020 11:26

Tgt Ion: 43 Resp: 77836

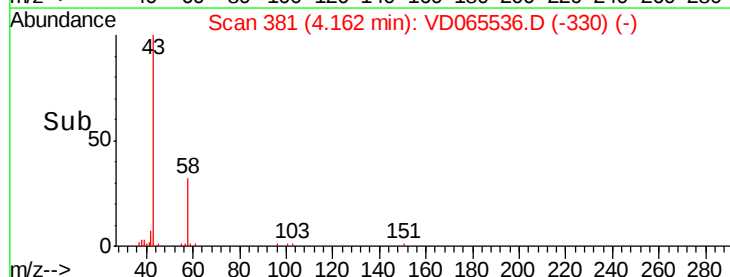
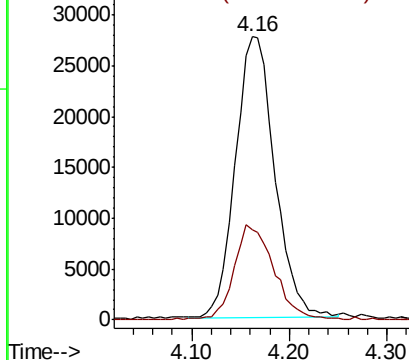
Ion Ratio Lower Upper

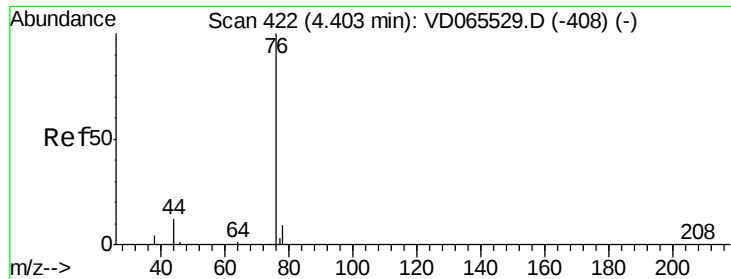
43 100

58 31.7 27.9 41.9



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

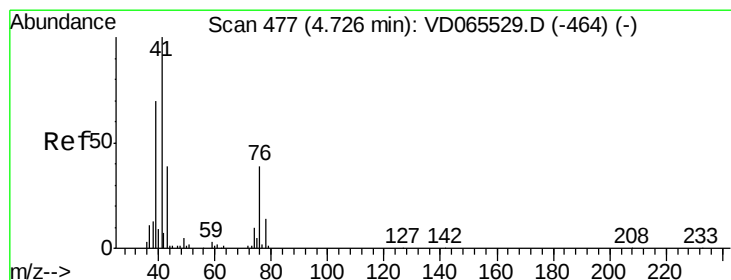
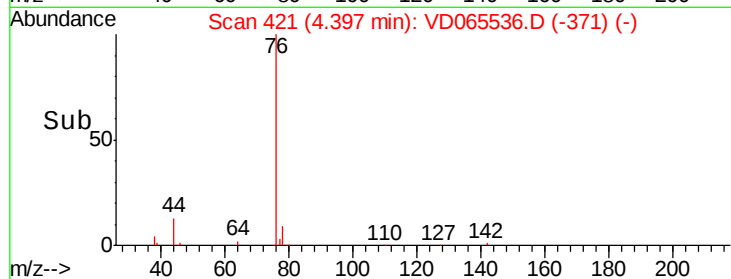
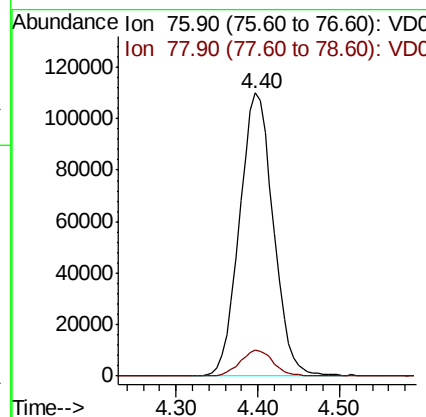
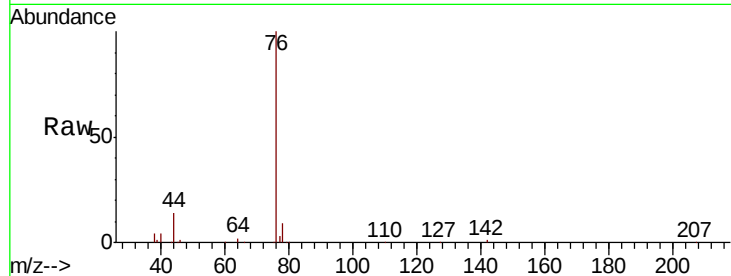




#17
Carbon Disulfide
Concen: 20.494 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

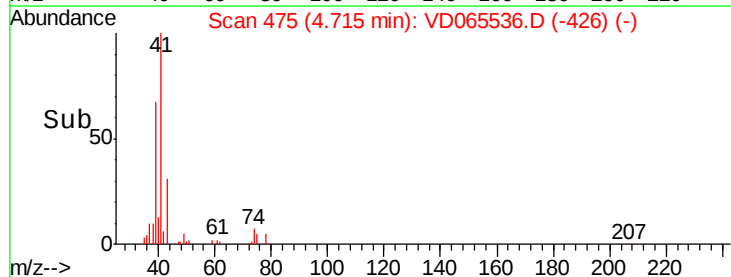
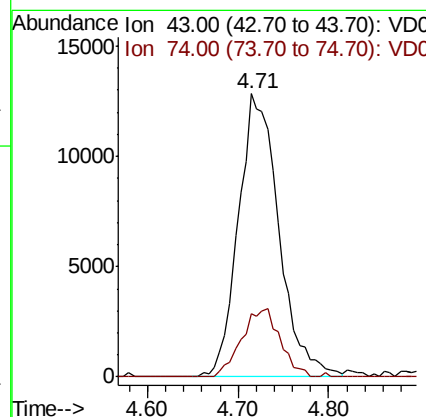
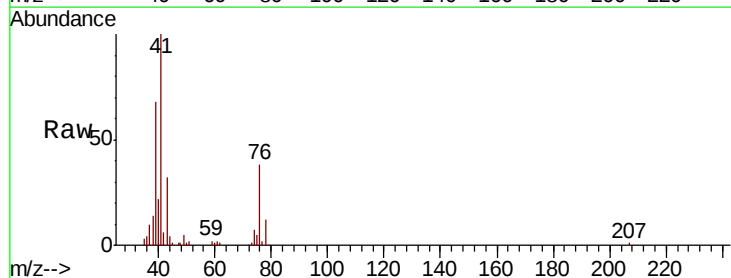
Instrument :
MSVOA_D
ClientSampled :

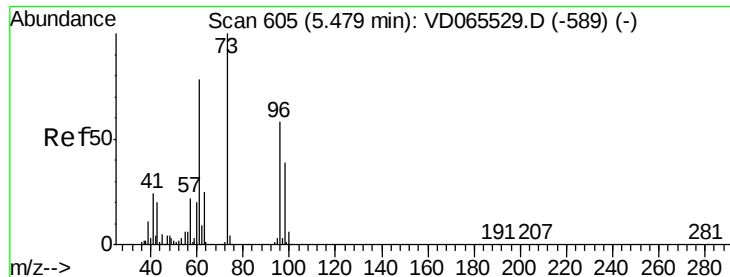
Tot Ion: 76 Resp: 316448
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 17.995 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 43 Resp: 39847
Ion Ratio Lower Upper
43 100
74 22.9 20.1 30.1



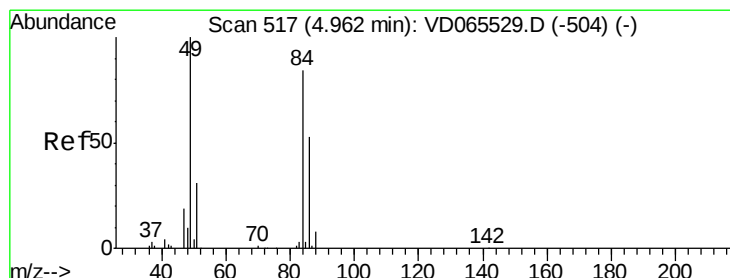
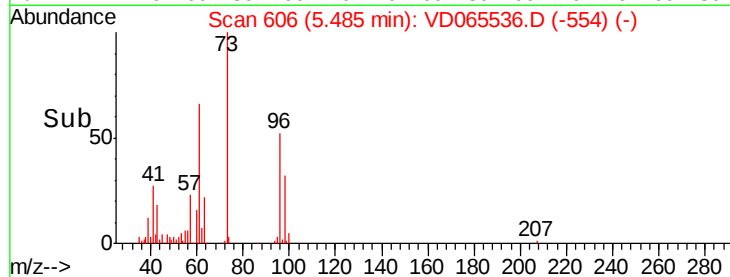
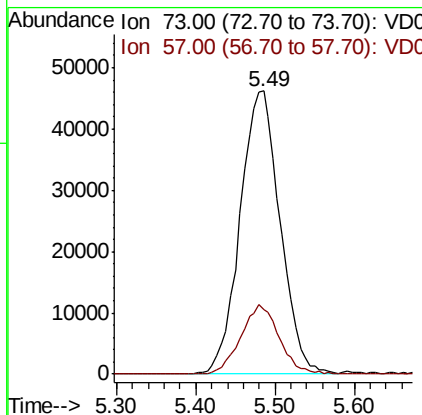
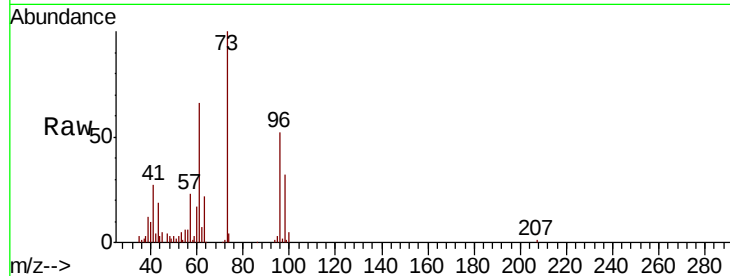


#19

Methyl tert-butyl Ether
 Concen: 17.312 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :

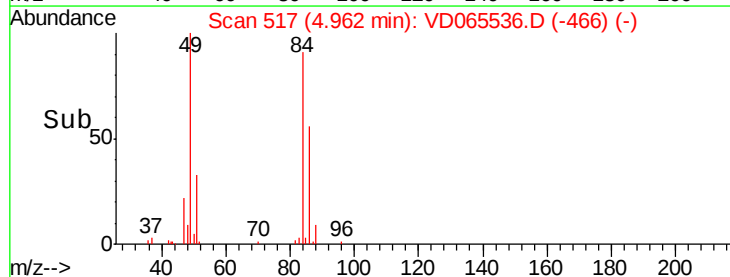
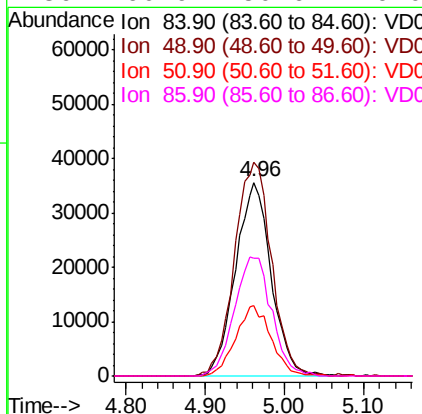
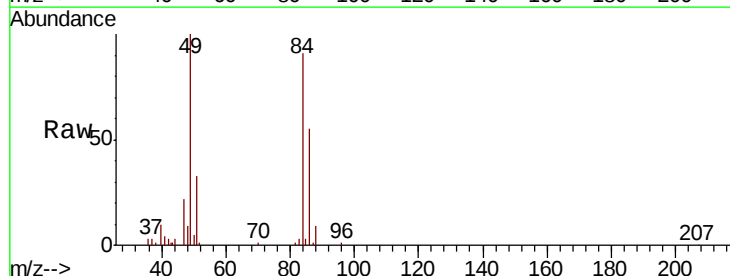
Tot Ion: 73 Resp: 161714
 Ion Ratio Lower Upper
 73 100
 57 22.7 17.7 26.5

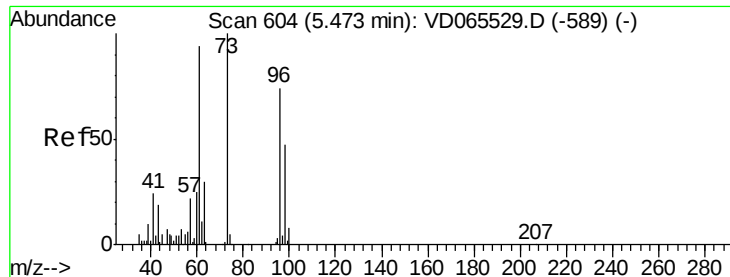


#20

Methylene Chloride
 Concen: 17.516 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion: 84 Resp: 110979
 Ion Ratio Lower Upper
 84 100
 49 110.4 95.6 143.4
 51 36.7 29.4 44.2
 86 60.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.068 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

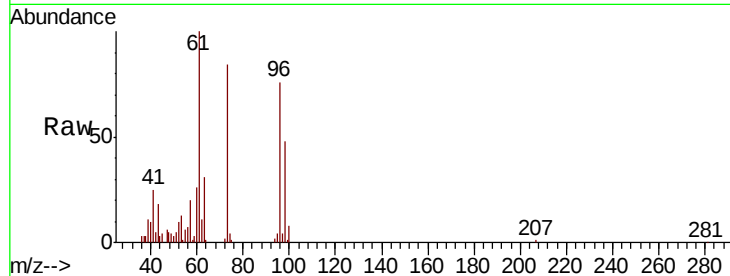
Tot Ion: 96 Resp: 108141

Ion Ratio Lower Upper

96 100

61 132.1 101.8 152.6

98 63.2 51.4 77.2

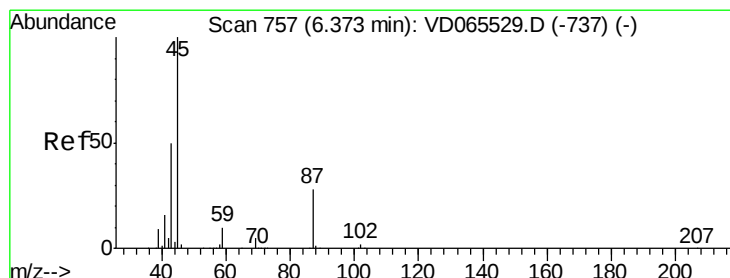
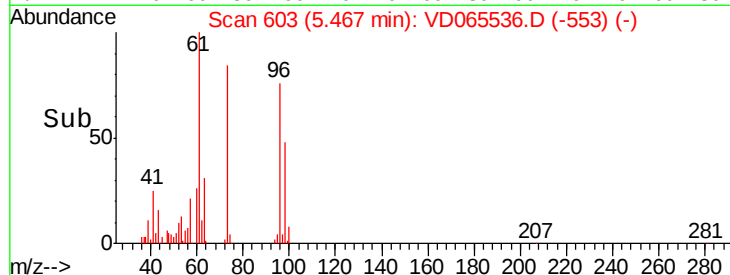
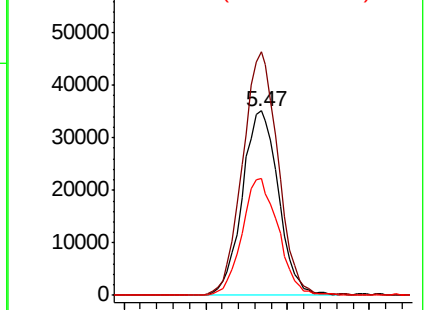


Abundance

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: 19.293 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Tgt Ion: 45 Resp: 266623

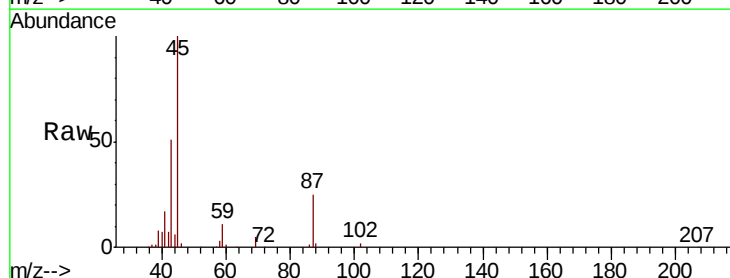
Ion Ratio Lower Upper

45 100

43 49.6 40.5 60.7

87 25.3 22.5 33.7

59 11.3 8.6 12.8



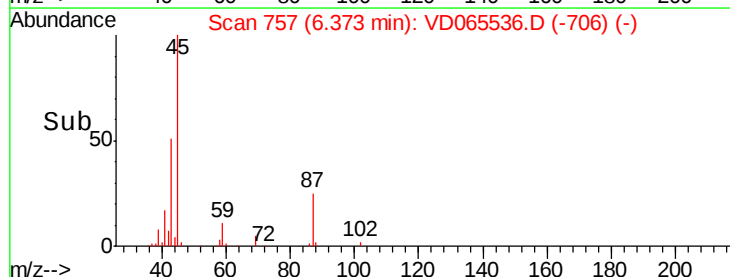
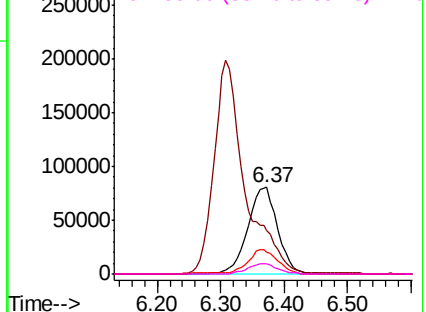
Abundance

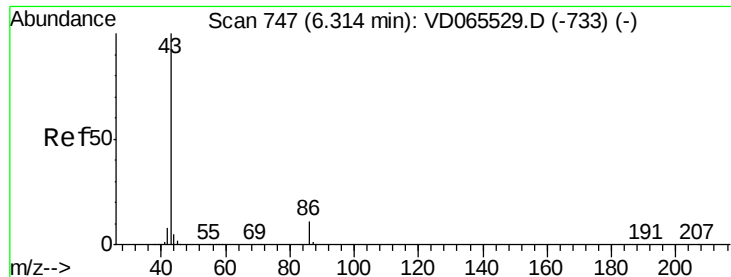
Ion 45.00 (44.70 to 45.70): VDC

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: 90.116 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

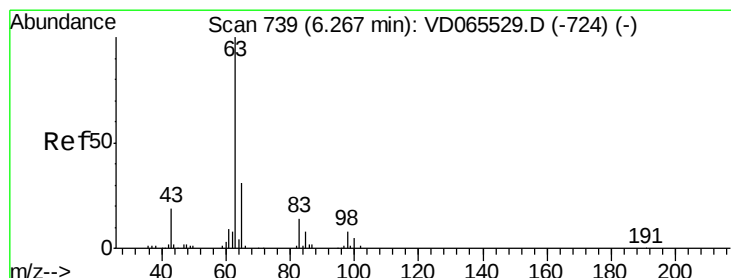
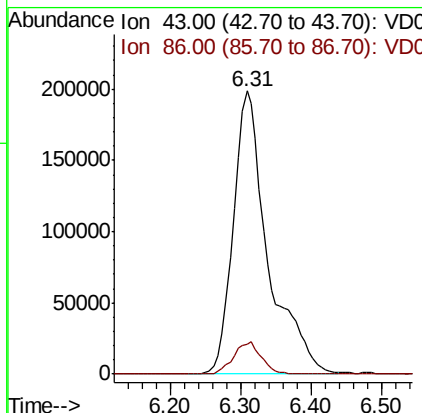
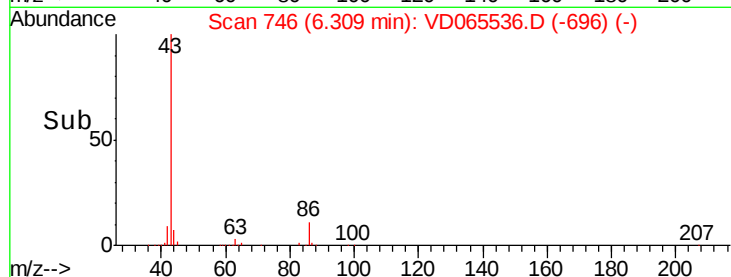
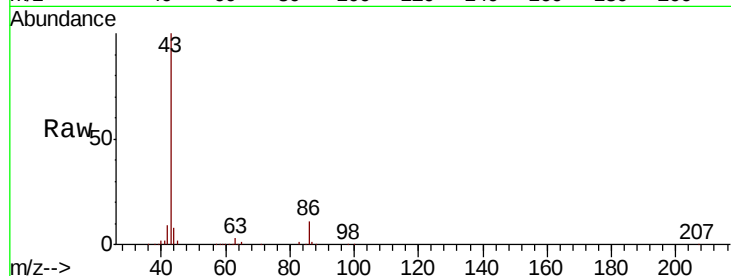
ClientSampled :

Tot Ion: 43 Resp: 678348

Ion Ratio Lower Upper

43 100

86 10.8 9.0 13.4



#24

1,1-Dichloroethane

Concen: 19.983 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

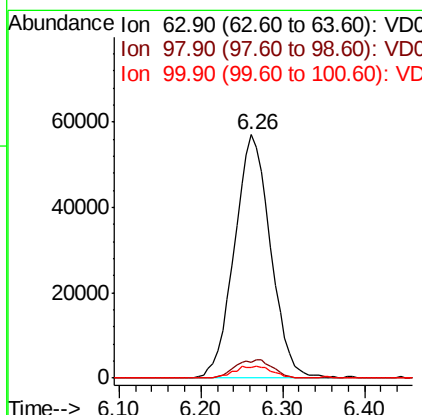
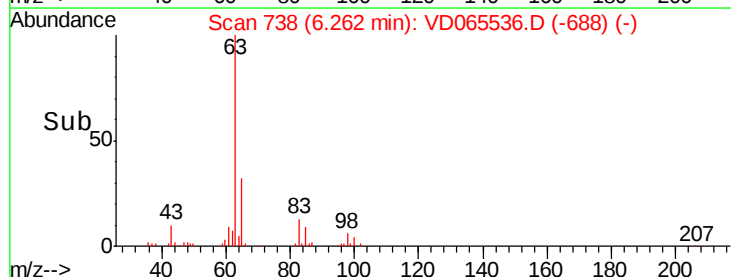
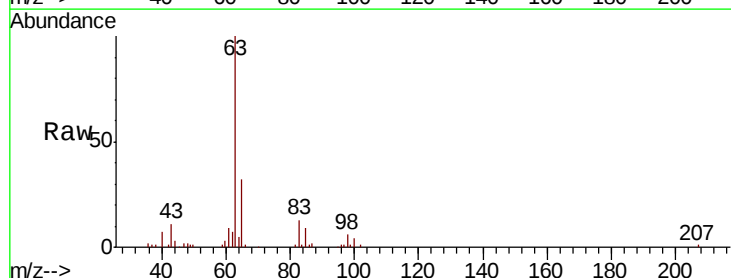
Tgt Ion: 63 Resp: 175118

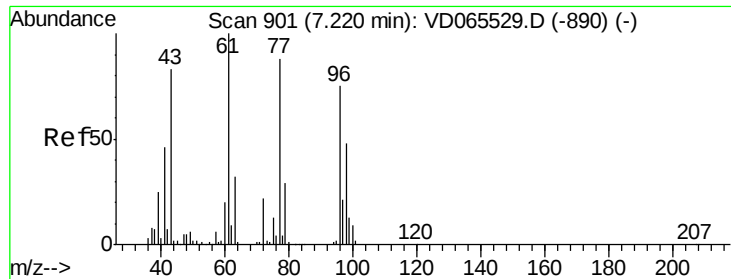
Ion Ratio Lower Upper

63 100

98 6.5 4.2 12.6

100 4.4 2.5 7.4

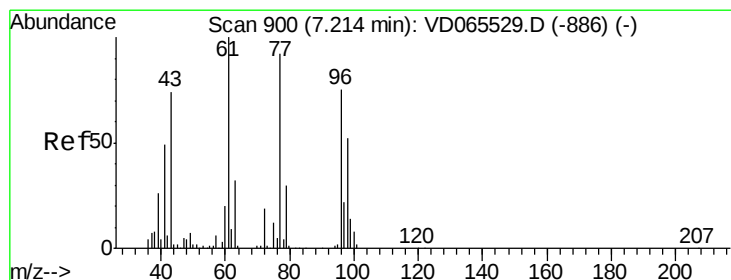
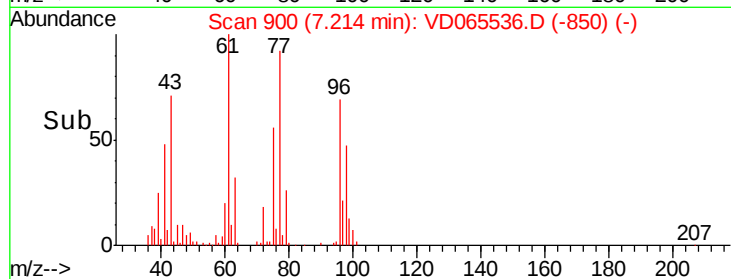
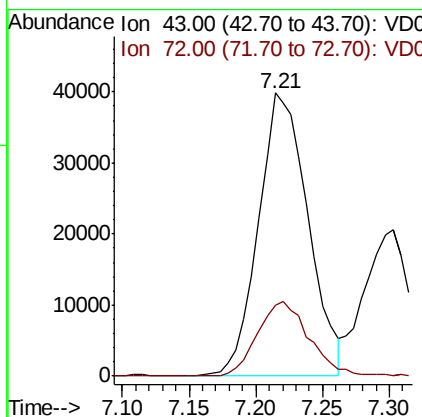
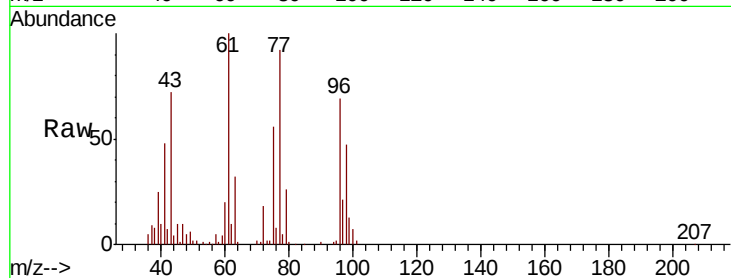




#25
2-Butanone
Concen: 88.939 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

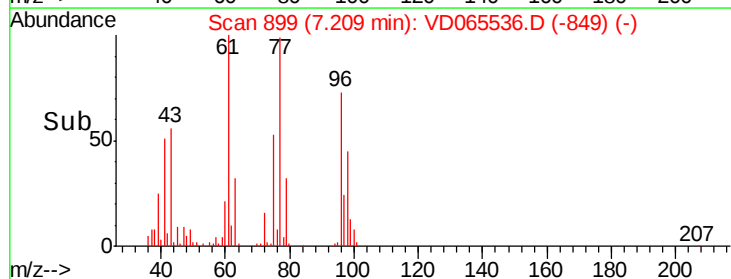
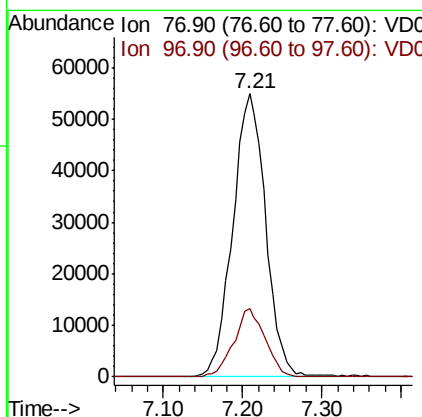
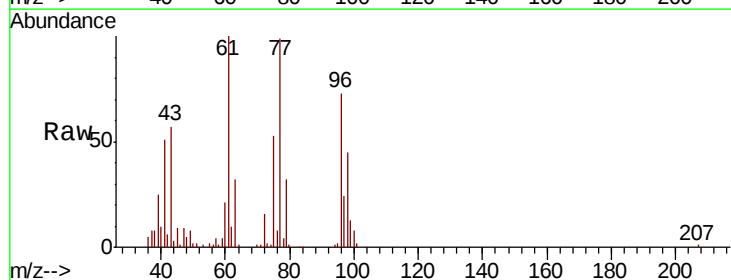
Instrument :
MSVOA_D
ClientSampleId :

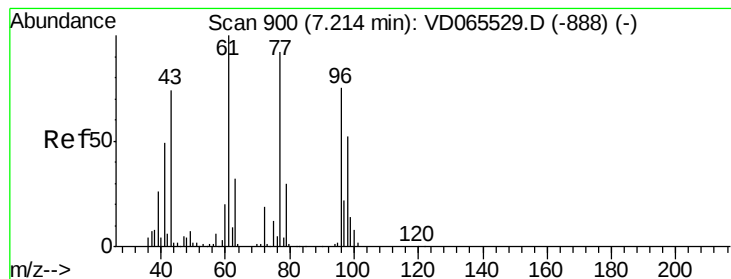
Tot Ion: 43 Resp: 102856
Ion Ratio Lower Upper
43 100
72 25.0 21.5 32.3



#26
2,2-Dichloropropane
Concen: 20.349 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 77 Resp: 157913
Ion Ratio Lower Upper
77 100
97 23.0 11.7 35.1



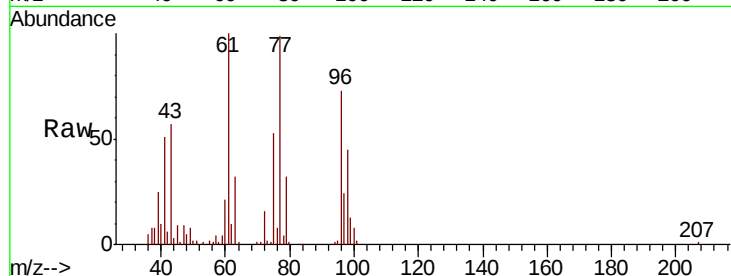


#27

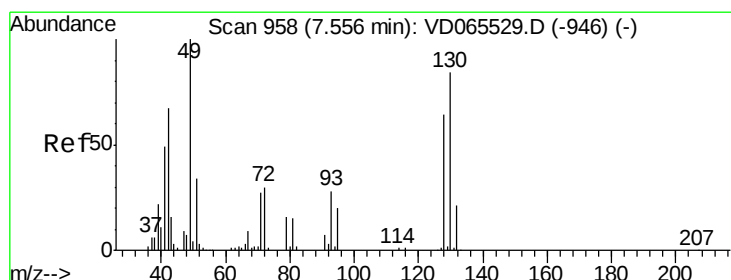
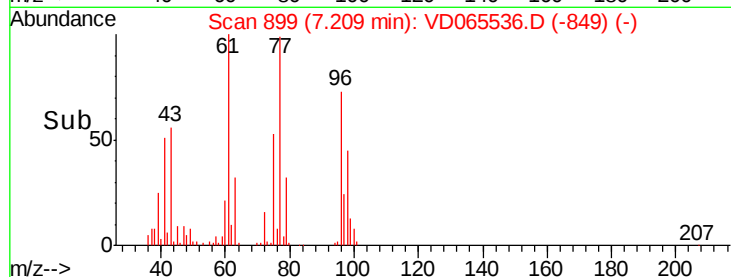
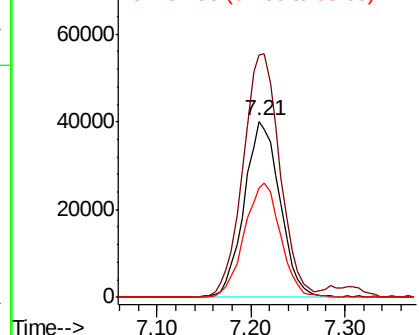
cis-1,2-Dichloroethene
 Concen: 18.951 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	278.0
98	65.6	0.0	129.6



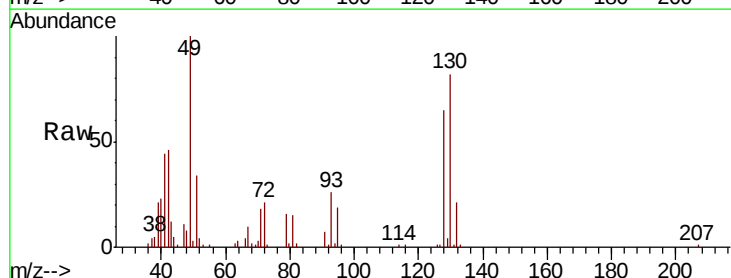
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



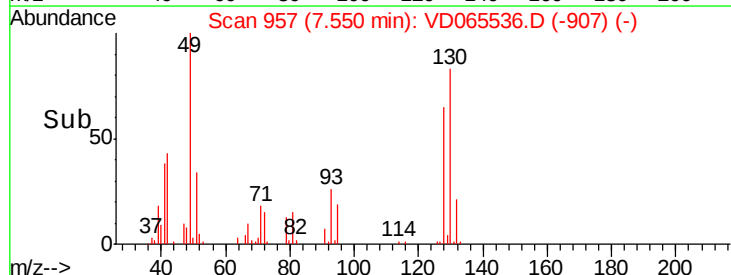
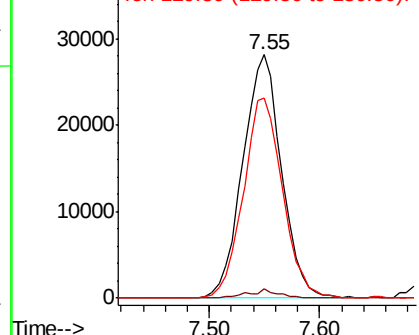
#28

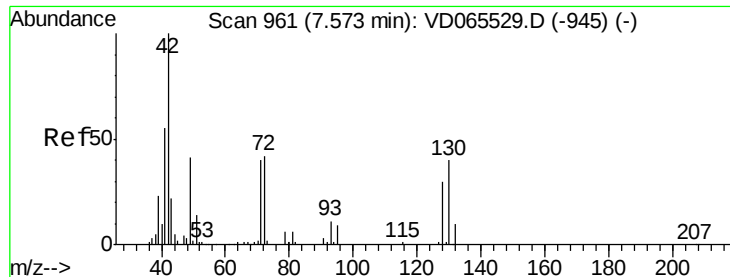
Bromochloromethane
 Concen: 18.968 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.4
130	83.5	69.7	104.5



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

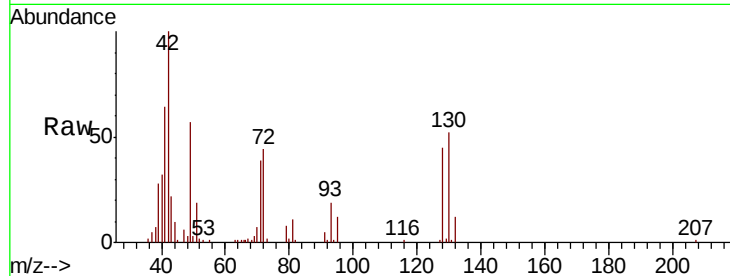




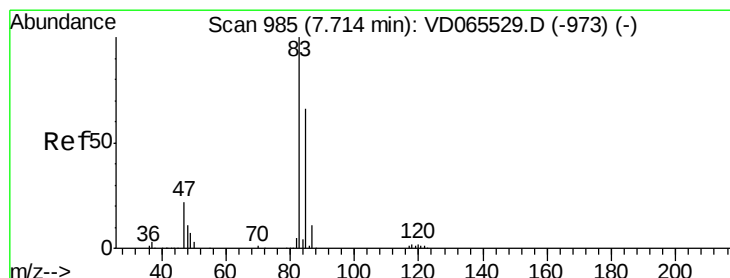
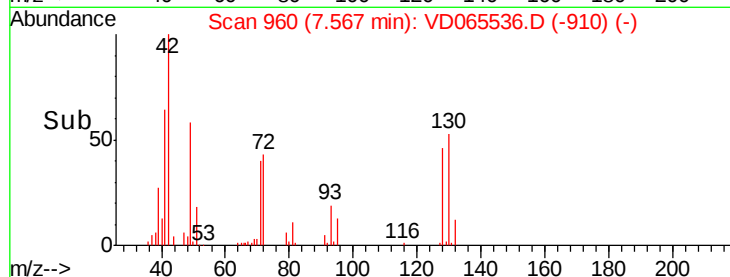
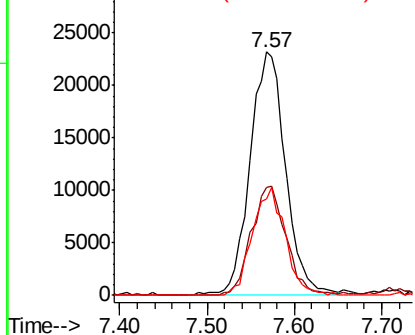
#29
Tetrahydrofuran
Concen: 85.866 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 64359
Ion Ratio Lower Upper
42 100
72 43.7 35.0 52.6
71 40.9 33.0 49.6

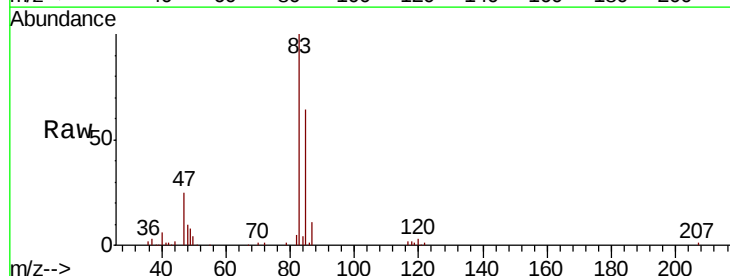


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

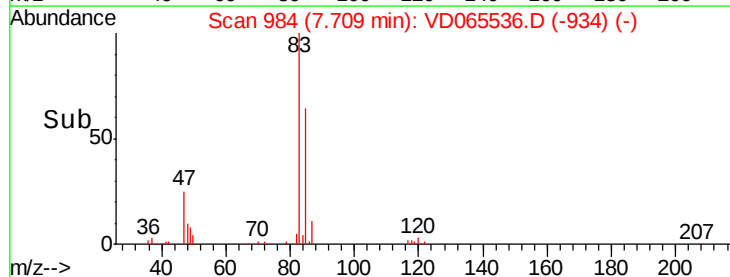
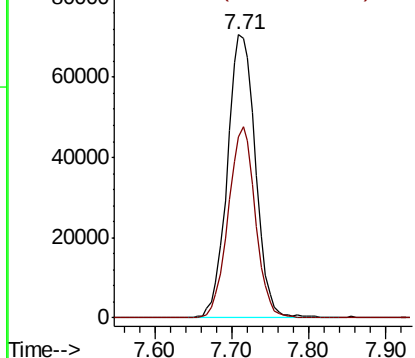


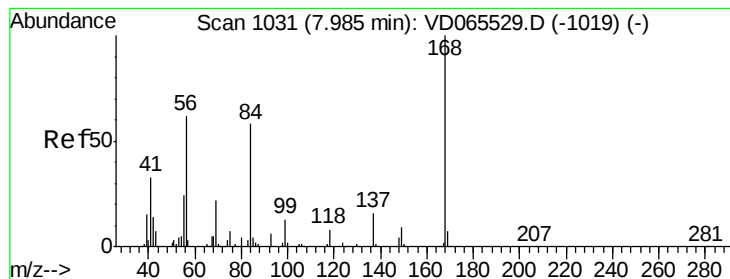
#30
Chloroform
Concen: 19.874 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 83 Resp: 180414
Ion Ratio Lower Upper
83 100
85 63.8 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: 19.563 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampled :

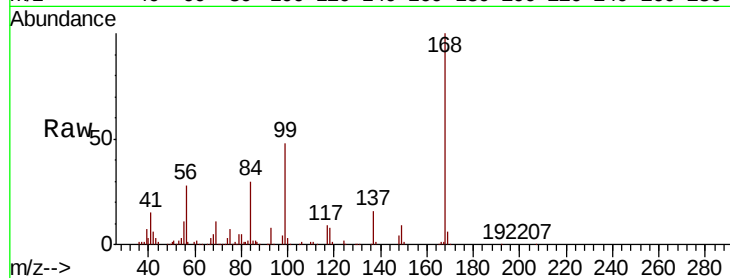
Tot Ion: 56 Resp: 165960

Ion Ratio Lower Upper

56 100

69 39.6 28.2 42.4

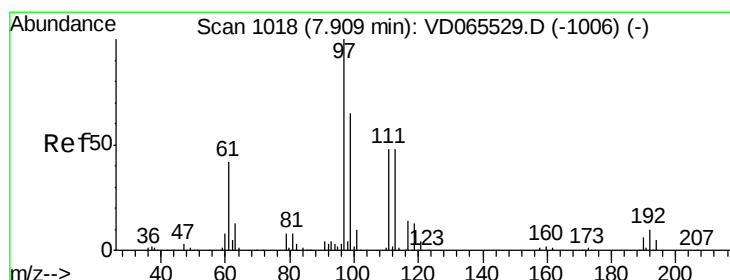
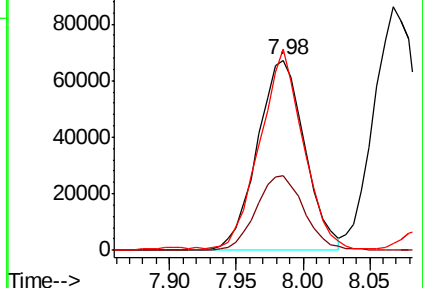
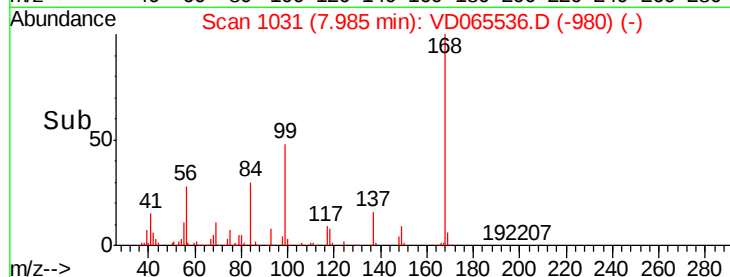
84 104.9 73.4 110.0



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: 20.487 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

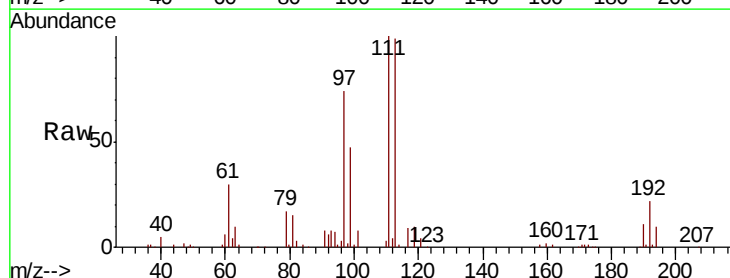
Tgt Ion: 97 Resp: 168014

Ion Ratio Lower Upper

97 100

99 63.2 51.2 76.8

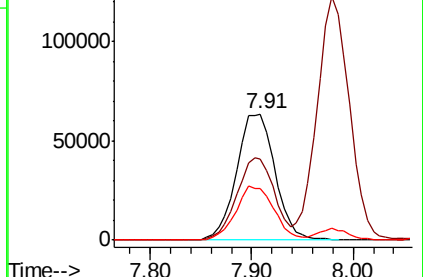
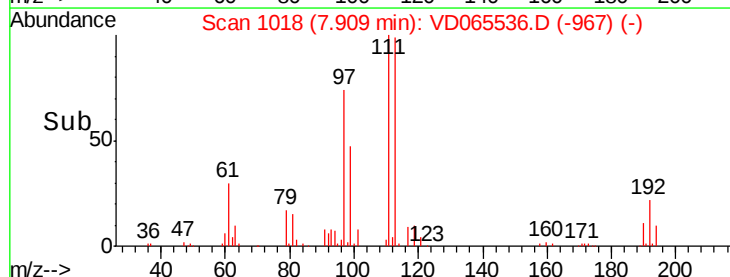
61 42.1 33.4 50.2

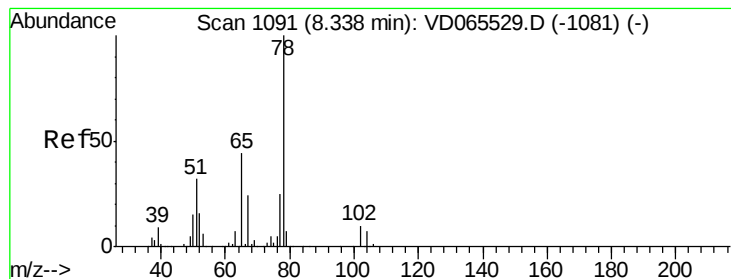


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.679 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

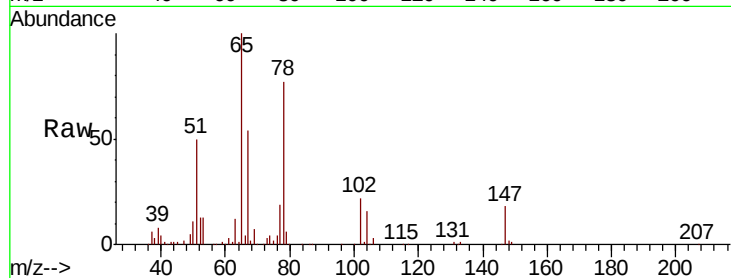
ClientSampleId :

Tot Ion: 65 Resp: 224203

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

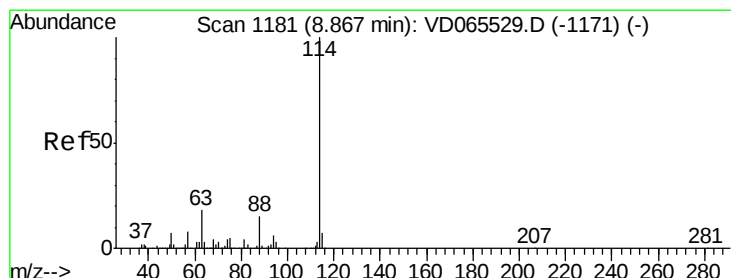
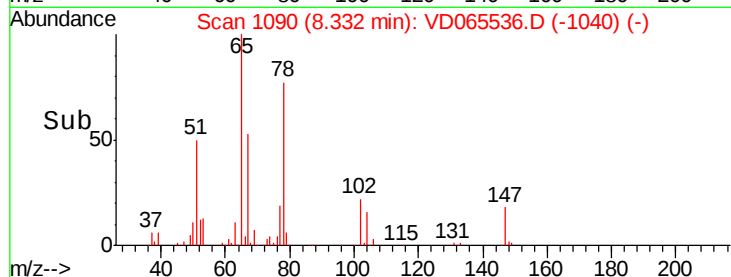
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

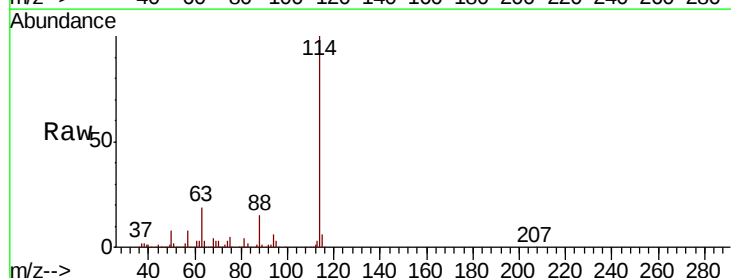
Tgt Ion: 114 Resp: 765530

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.0

88 14.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

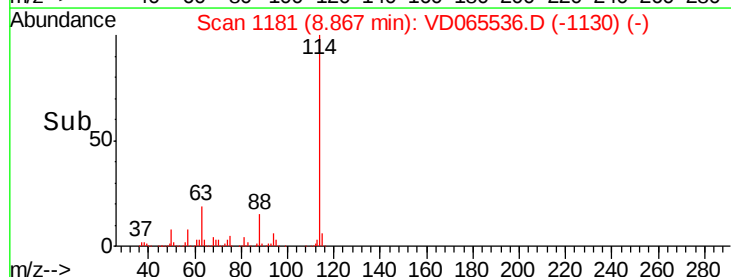
300000

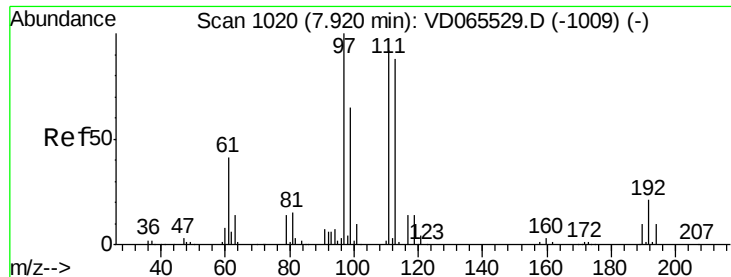
200000

100000

0

Time--> 8.80 8.90 9.00

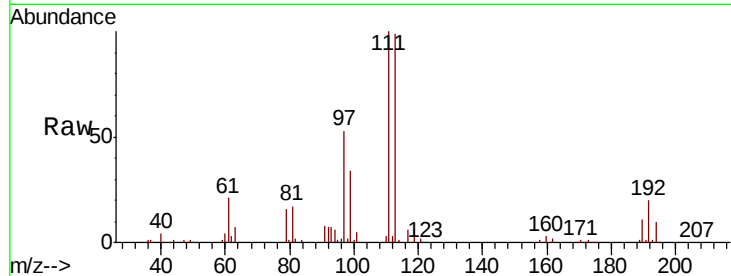




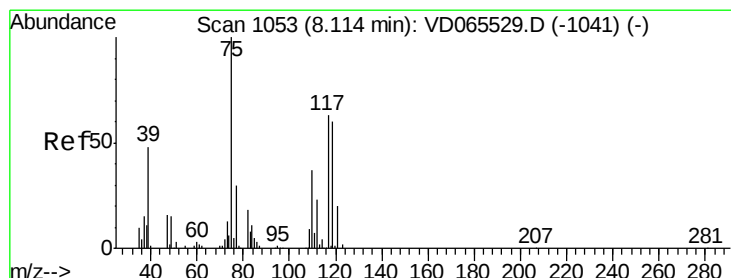
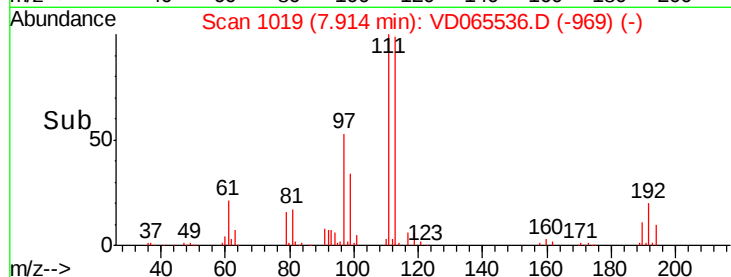
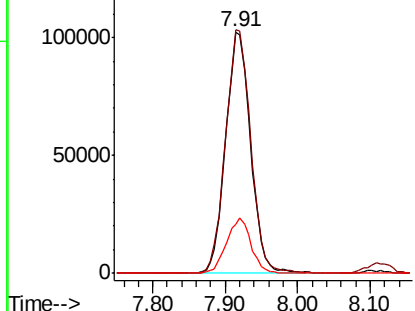
#35
 Dibromofluoromethane
 Concen: 51.807 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 244800
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.3 124.9
 192 22.5 18.5 27.7

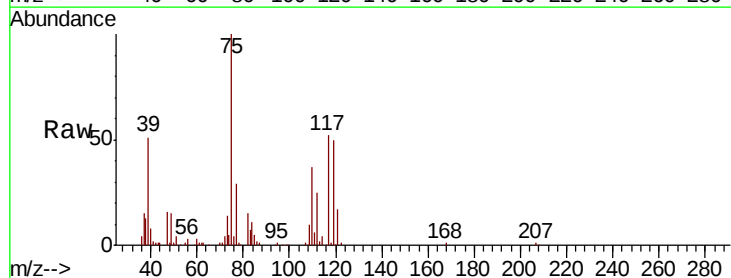


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

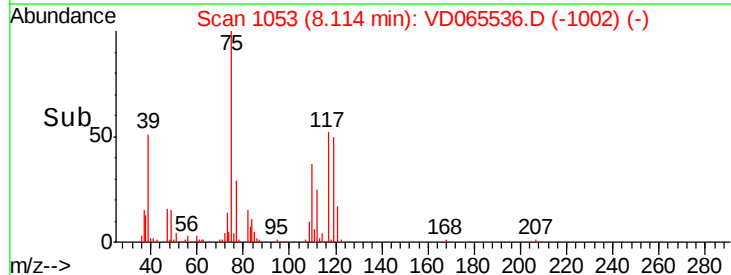
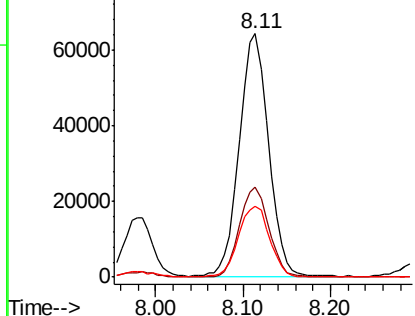


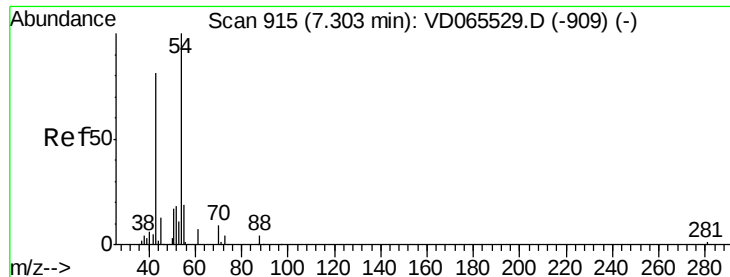
#36
 1,1-Dichloropropene
 Concen: 21.014 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion: 75 Resp: 146977
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.8 56.4
 77 30.9 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

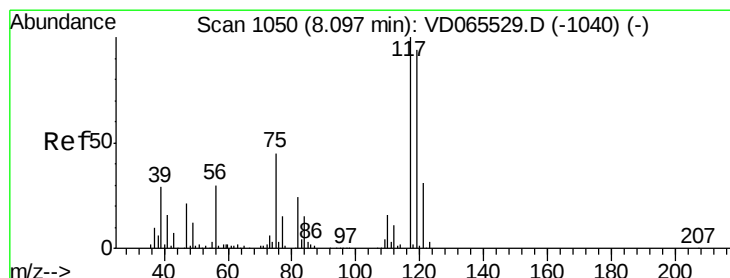
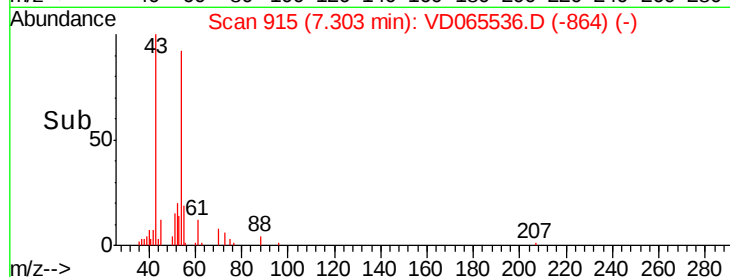
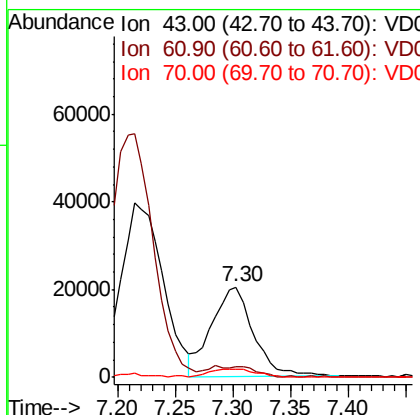
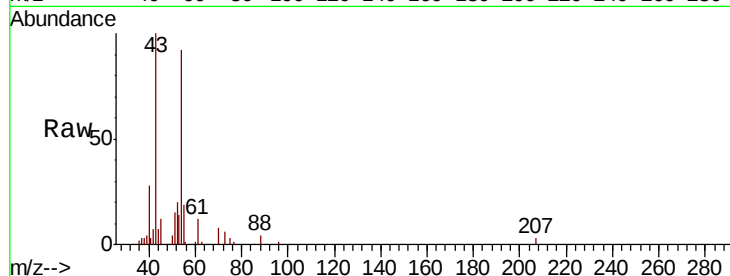




#37
Ethyl Acetate
Concen: 19.256 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

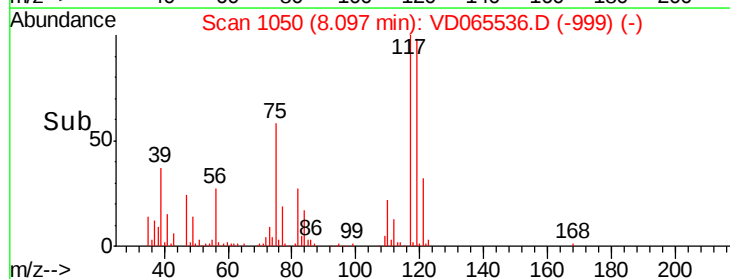
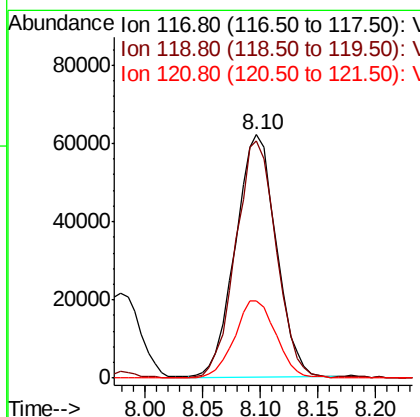
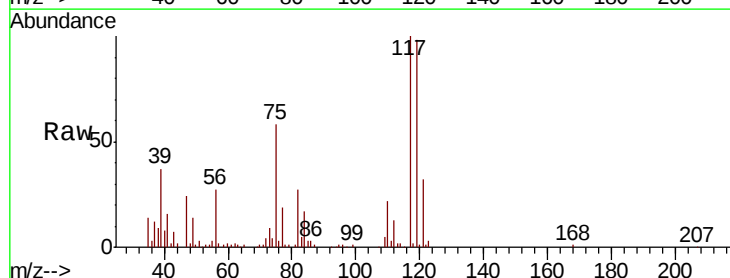
Instrument :
MSVOA_D
ClientSampleId :

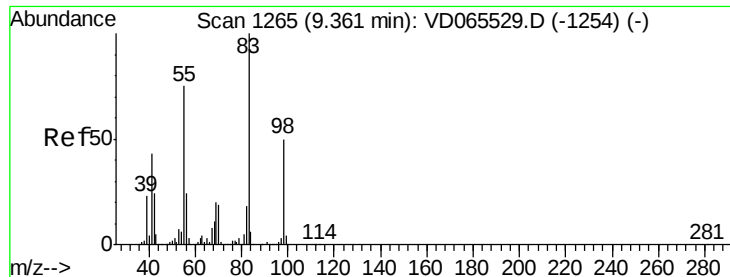
Tot Ion: 43 Resp: 51554
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.710 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 117 Resp: 152565
Ion Ratio Lower Upper
117 100
119 97.8 75.2 112.8
121 31.7 24.5 36.7

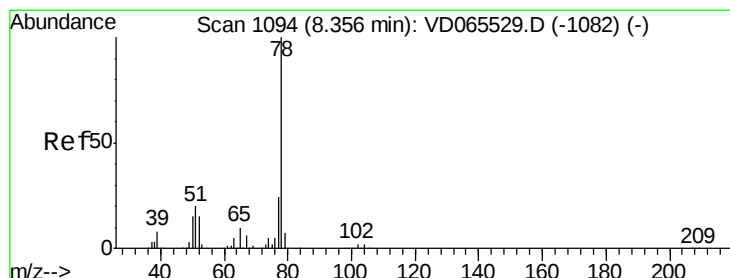
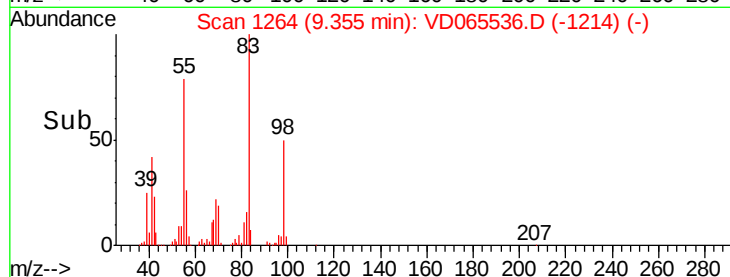
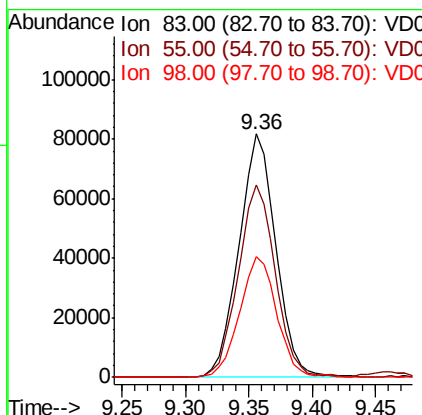
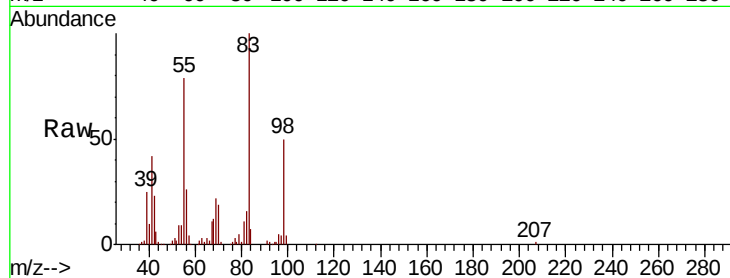




#39
Methvlcvclohexane
Concen: 20.051 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

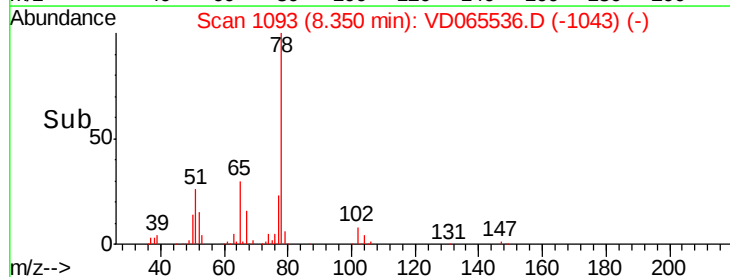
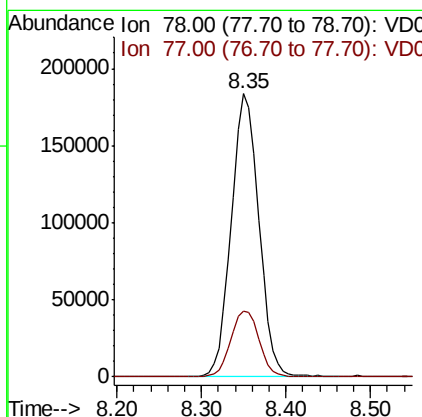
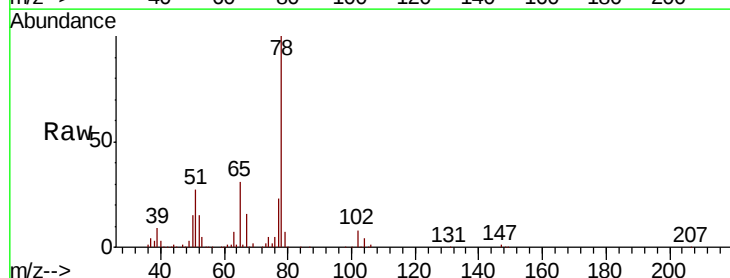
Instrument :
MSVOA_D
ClientSampleId :

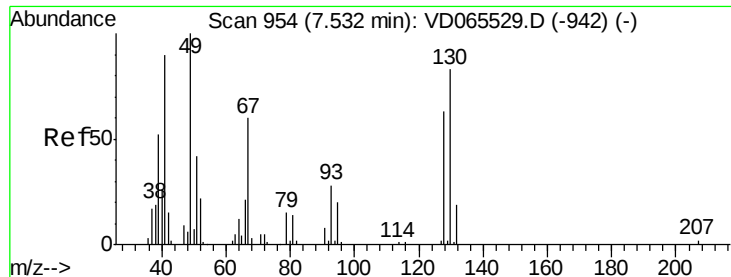
Tot Ion: 83 Resp: 165349
Ion Ratio Lower Upper
83 100
55 78.8 59.7 89.5
98 49.7 40.2 60.2



#40
Benzene
Concen: 20.753 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 78 Resp: 414190
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

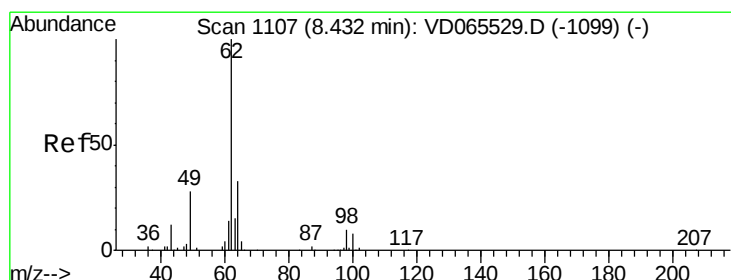
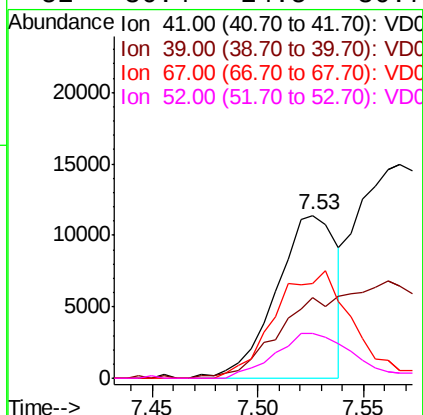
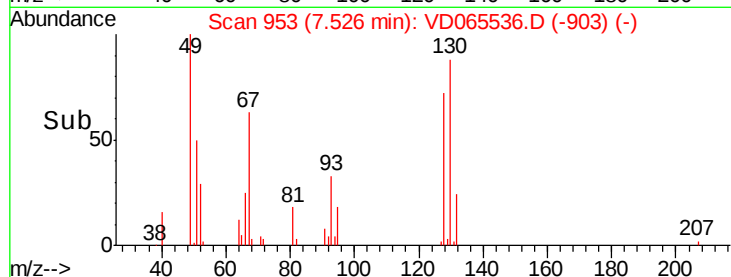
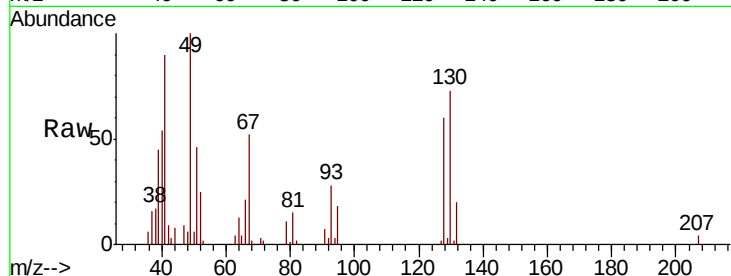




#41
Methacrylonitrile
Concen: 14.801 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

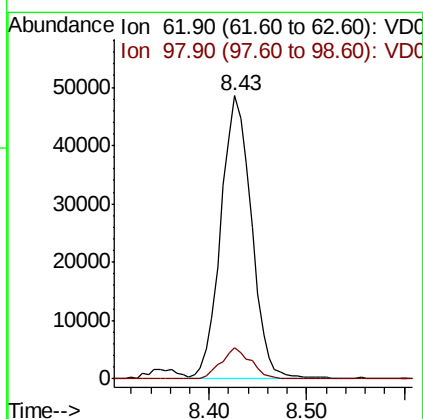
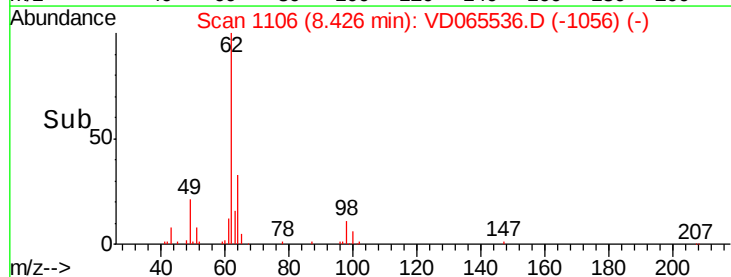
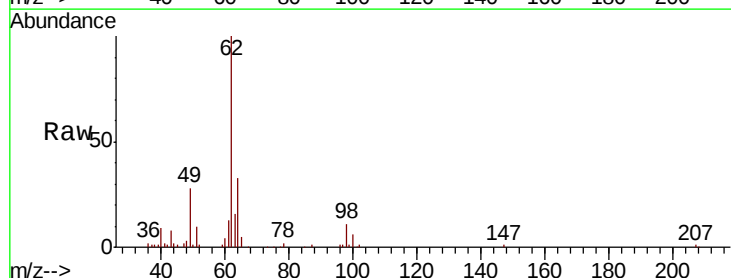
Instrument :
MSVOA_D
ClientSampled :

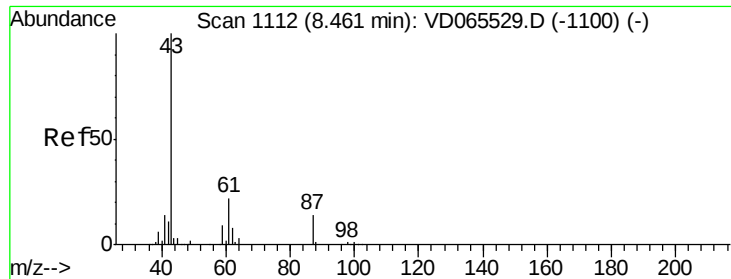
Tot Ion: 41 Resp: 22874
Ion Ratio Lower Upper
41 100
39 0.0 42.9 64.3#
67 83.4 60.5 90.7
52 36.4 24.5 36.7



#42
1,2-Dichloroethane
Concen: 19.976 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 62 Resp: 106092
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.8

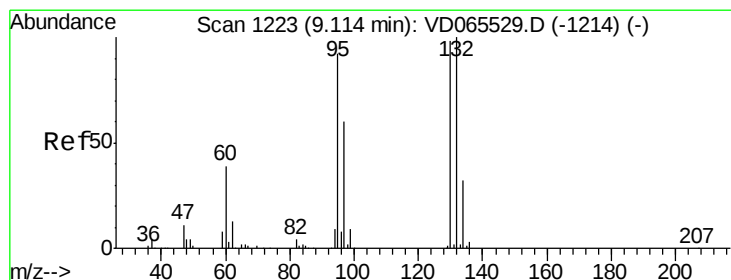
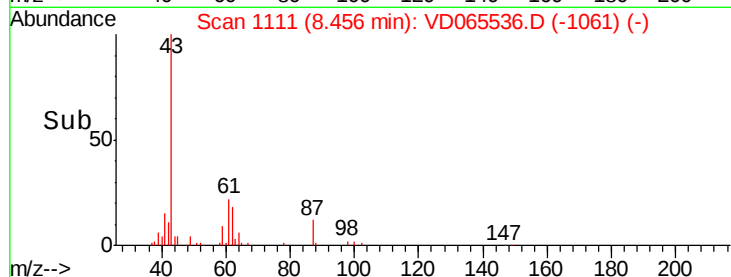
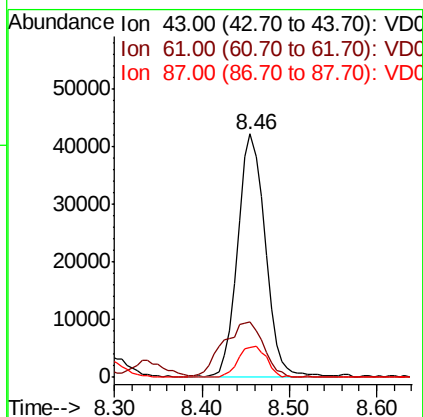
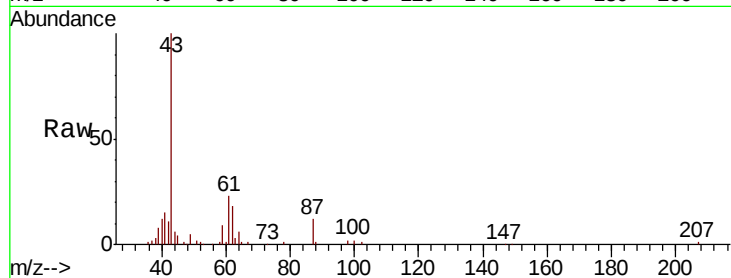




#43
Isopropyl Acetate
Concen: 18.581 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

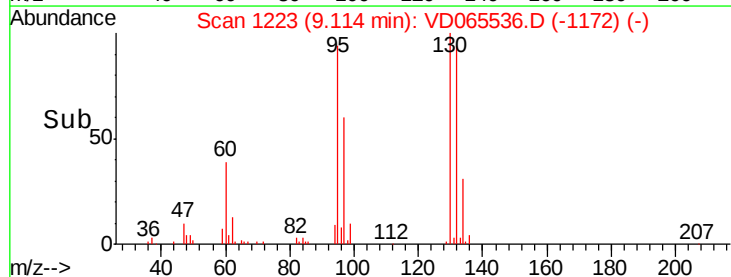
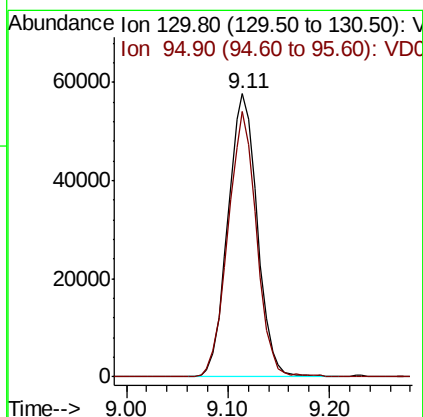
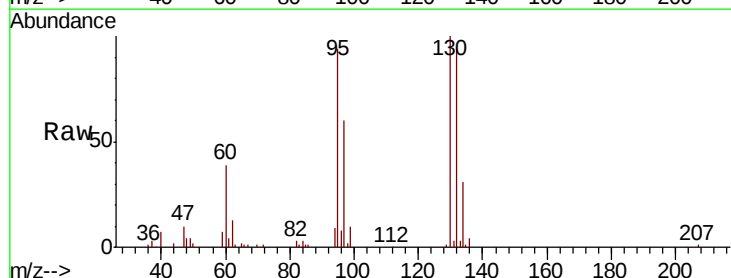
Instrument :
MSVOA_D
ClientSampled :

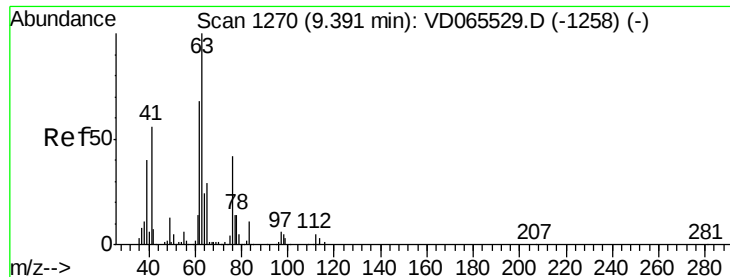
Tot Ion: 43 Resp: 90338
Ion Ratio Lower Upper
43 100
61 33.6 25.0 37.4
87 13.0 11.0 16.4



#44
Trichloroethene
Concen: 20.016 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion:130 Resp: 115913
Ion Ratio Lower Upper
130 100
95 93.6 0.0 187.0





#45

1,2-Dichloropropane

Concen: 19.899 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

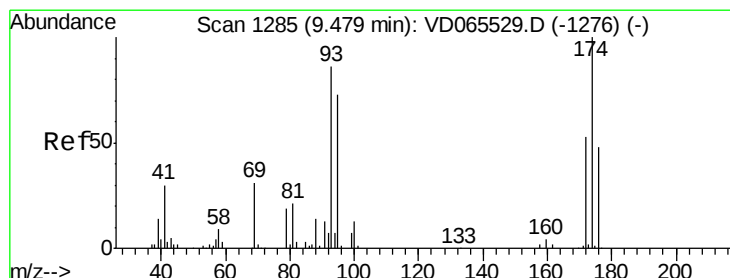
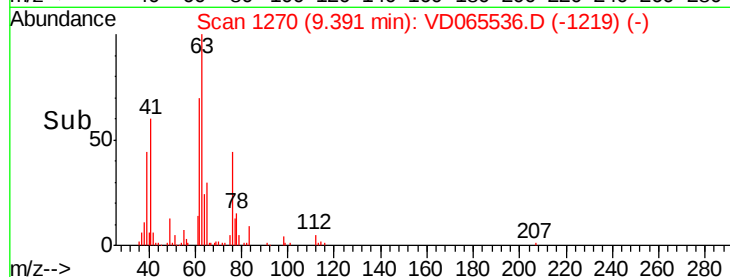
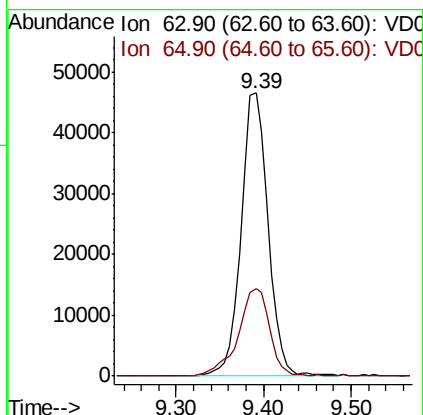
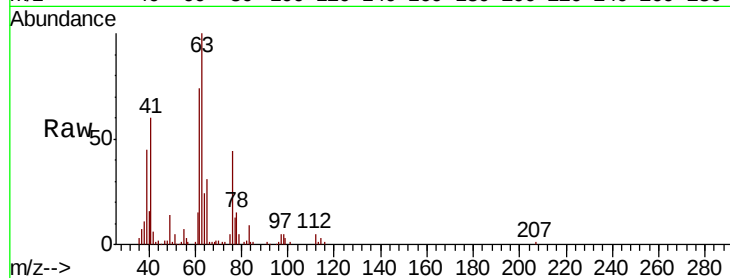
ClientSampled :

Tot Ion: 63 Resp: 96475

Ion Ratio Lower Upper

63 100

65 30.9 23.5 35.3



#46

Dibromomethane

Concen: 19.781 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

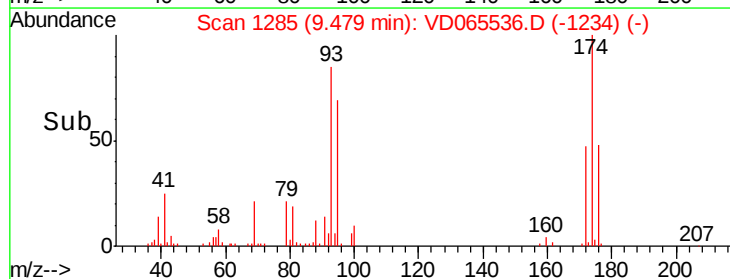
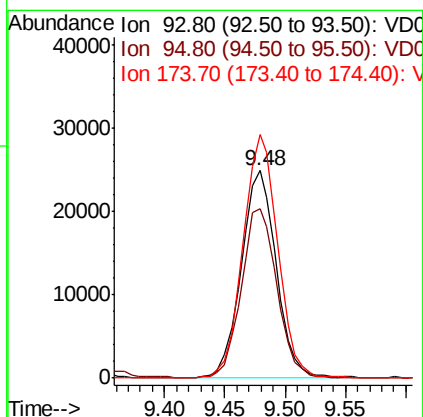
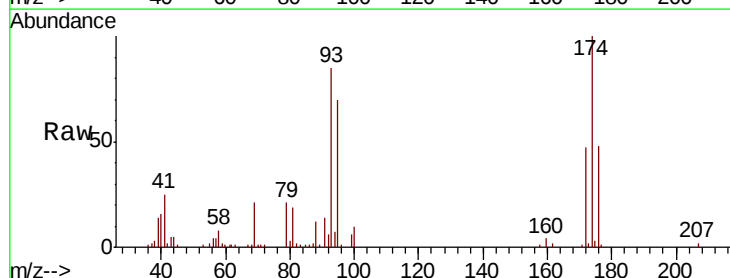
Tgt Ion: 93 Resp: 50323

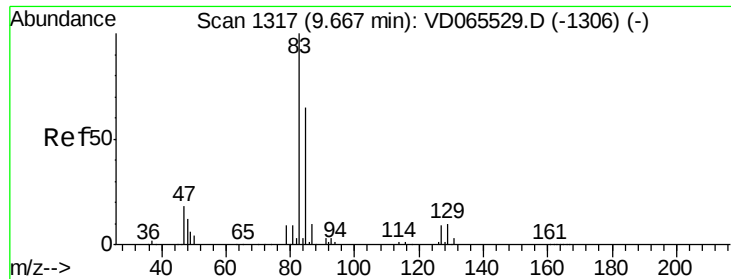
Ion Ratio Lower Upper

93 100

95 83.3 67.3 100.9

174 116.7 92.5 138.7

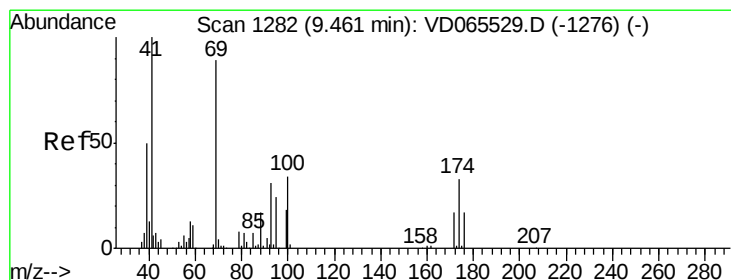
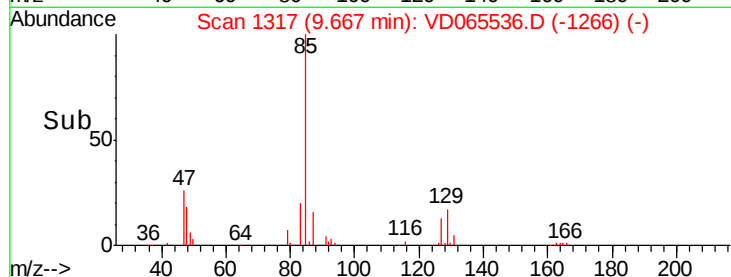
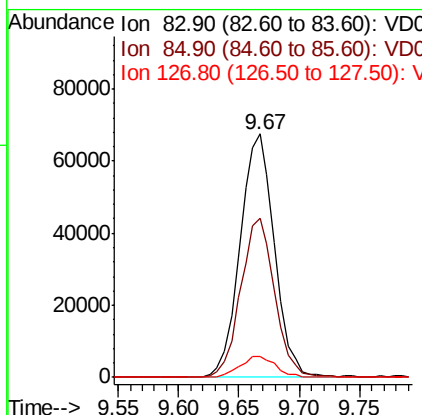
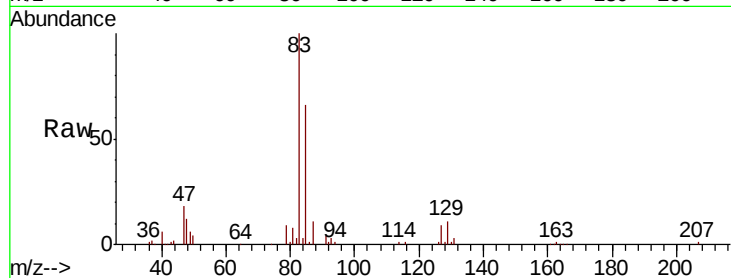




#47
Bromodichloromethane
Concen: 19.785 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

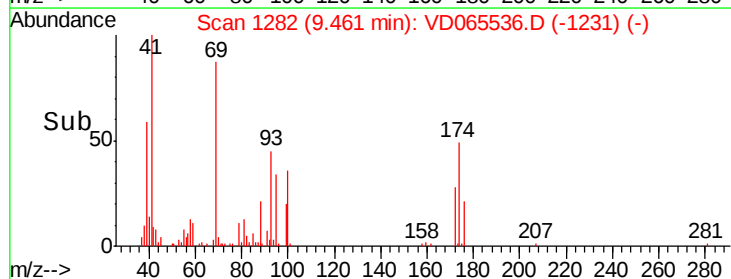
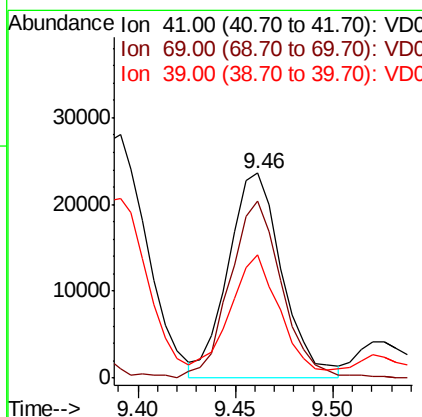
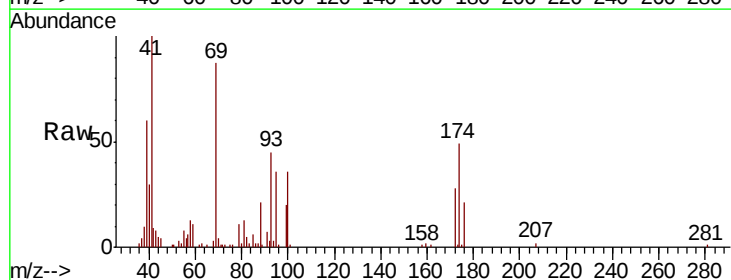
Instrument :
MSVOA_D
ClientSampleId :

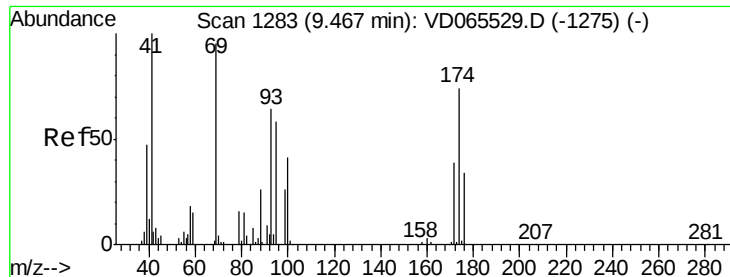
Tot Ion: 83 Resp: 133342
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.2
127 8.8 7.1 10.7



#48
Methyl methacrylate
Concen: 19.645 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 41 Resp: 45415
Ion Ratio Lower Upper
41 100
69 83.2 71.8 107.6
39 48.9 42.2 63.4

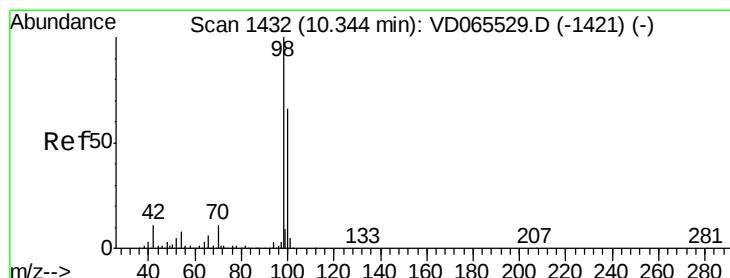
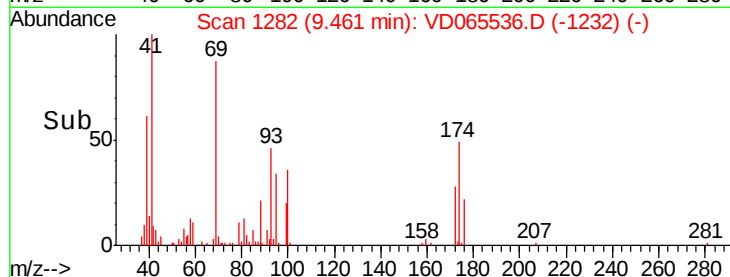
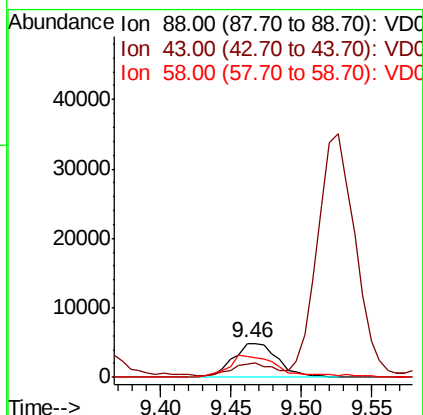
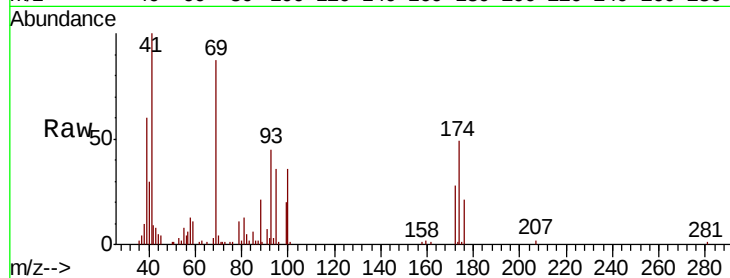




#49
1,4-Dioxane
Concen: 396.551 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

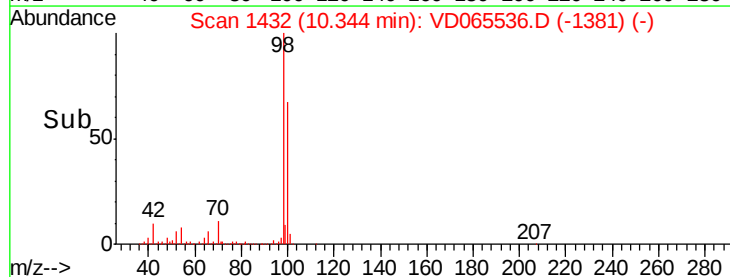
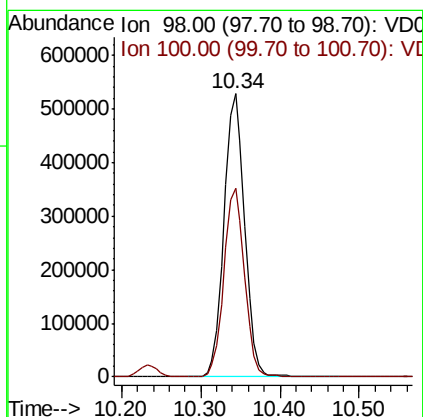
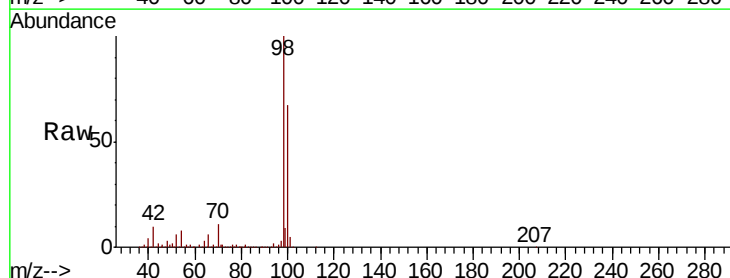
Instrument :
MSVOA_D
ClientSampleId :

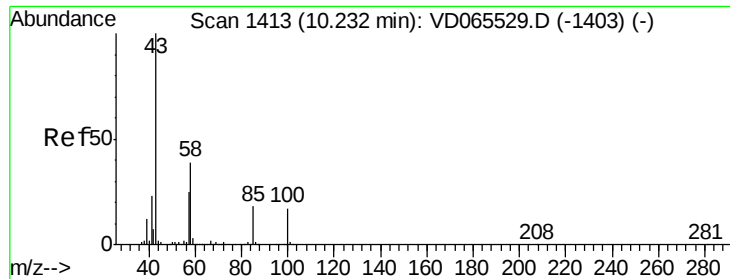
Tot Ion: 88 Resp: 10970
Ion Ratio Lower Upper
88 100
43 36.5 26.0 39.0
58 67.5 54.6 82.0



#50
Toluene-d8
Concen: 53.771 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 98 Resp: 953889
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 97.090 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

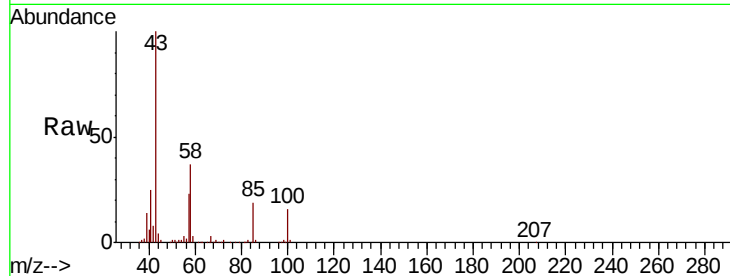
ClientSampleId :

Tot Ion: 43 Resp: 238211

Ion Ratio Lower Upper

43 100

58 38.0 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

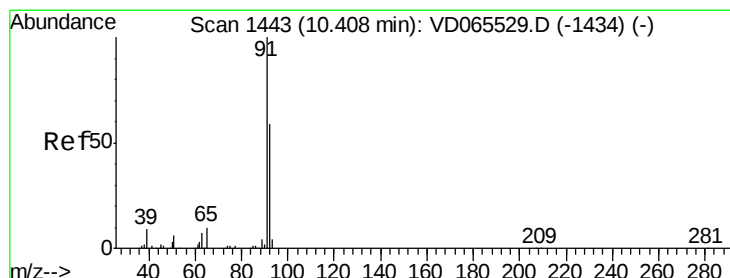
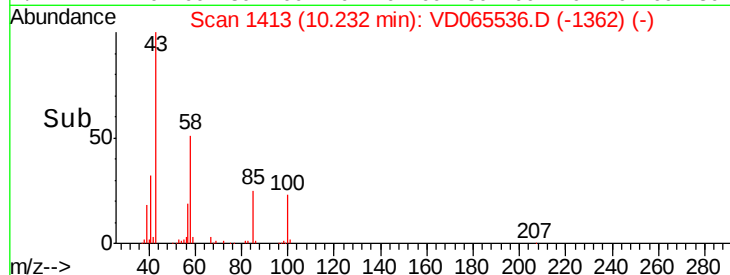
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.604 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065536.D

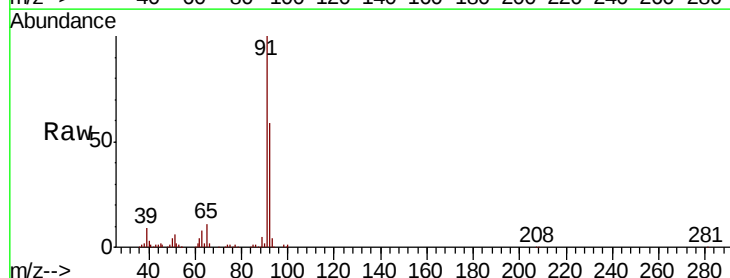
Acq: 27 Mar 2020 11:26

Tgt Ion: 92 Resp: 260433

Ion Ratio Lower Upper

92 100

91 174.3 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

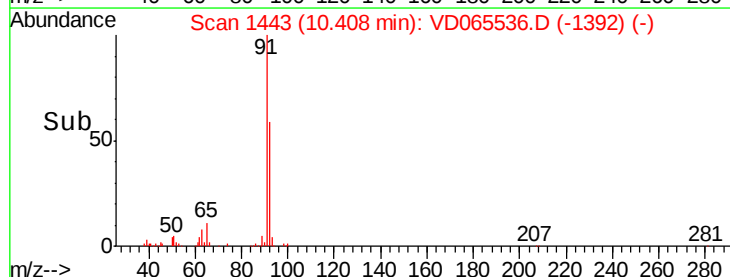
150000

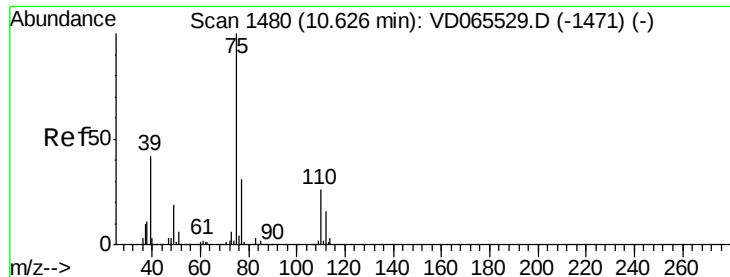
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.330 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

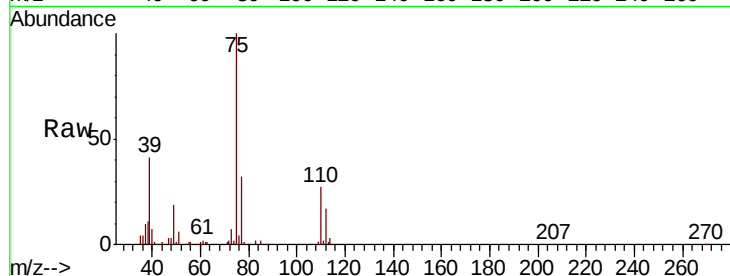
ClientSampleId :

Tot Ion: 75 Resp: 119150

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

80000

60000

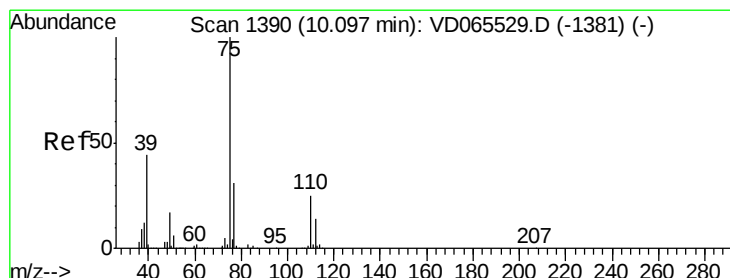
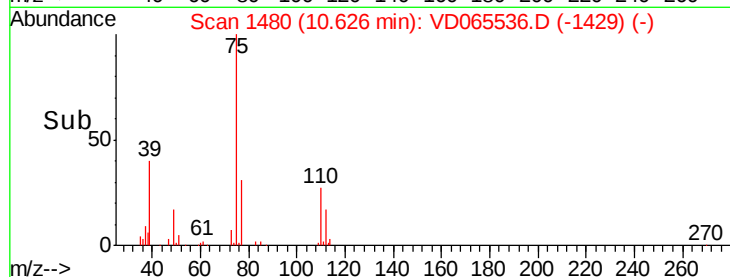
40000

20000

0

Time-->

10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 19.440 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

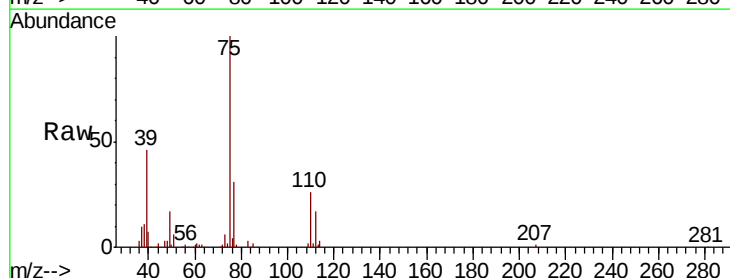
Tgt Ion: 75 Resp: 146604

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

39 46.4 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

100000

80000

60000

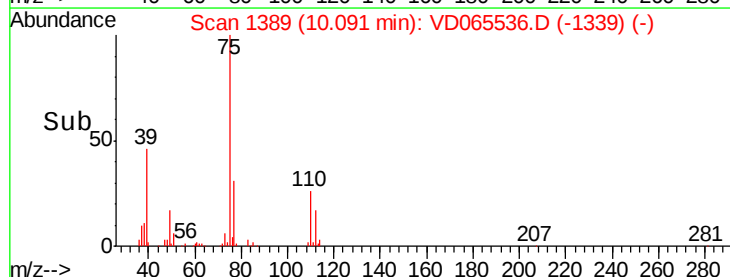
40000

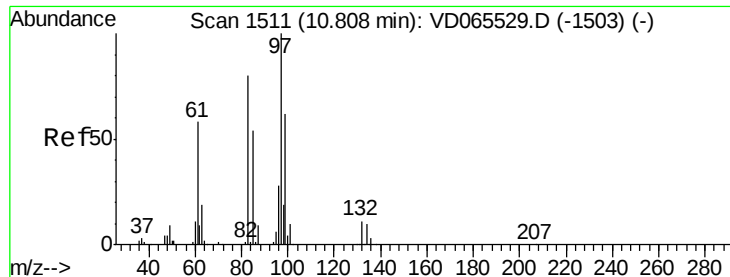
20000

0

Time-->

10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 19.702 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 71501

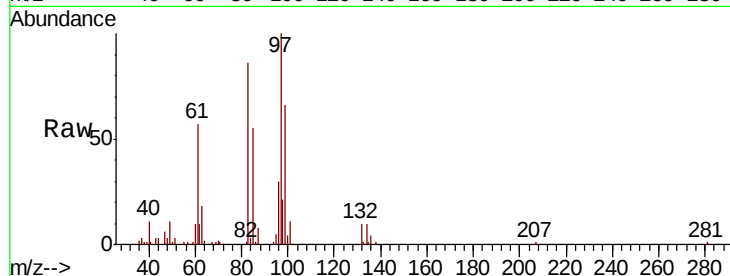
Ion	Ratio	Lower	Upper
97	100		
83	85.8	63.8	95.6
85	55.2	42.9	64.3
99	65.6	49.9	74.9

97 100

83 85.8 63.8 95.6

85 55.2 42.9 64.3

99 65.6 49.9 74.9



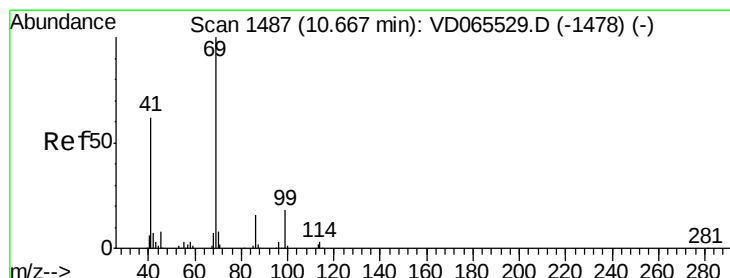
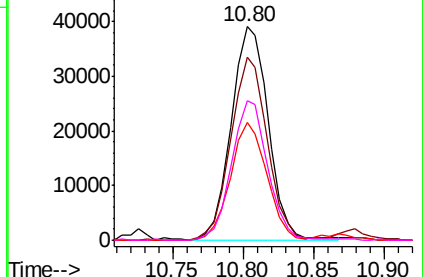
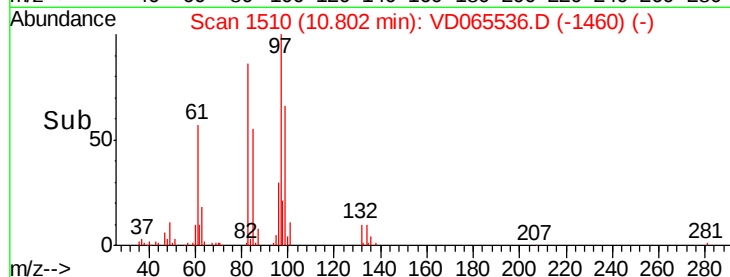
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Time-->



#56

Ethyl methacrylate

Concen: 18.028 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

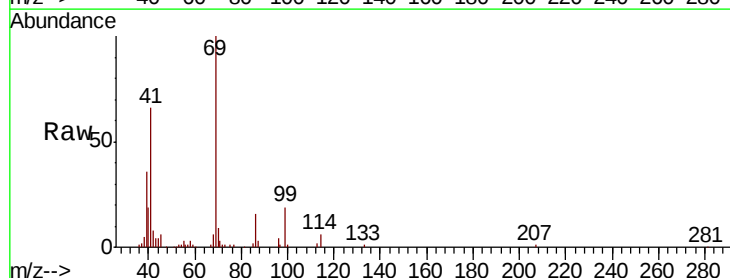
Tgt Ion: 69 Resp: 69909

Ion	Ratio	Lower	Upper
69	100		
41	66.1	51.3	76.9
39	32.4	25.3	37.9

69 100

41 66.1 51.3 76.9

39 32.4 25.3 37.9

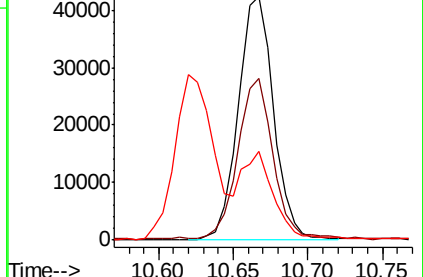
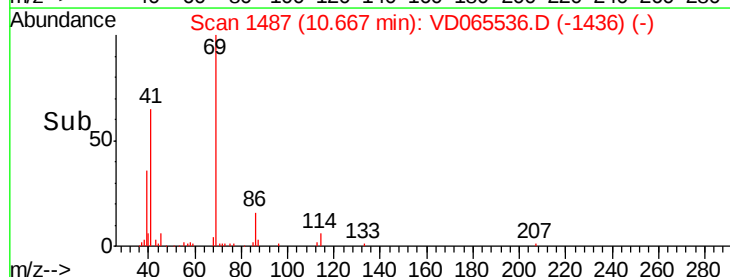


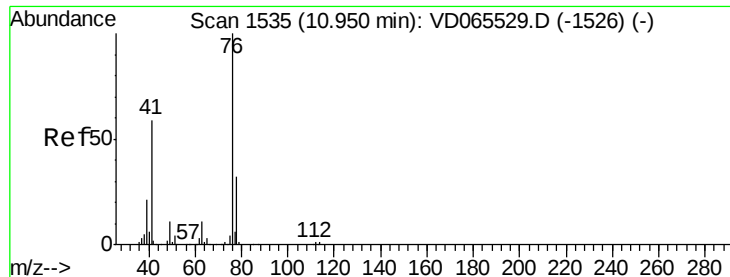
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 19.331 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

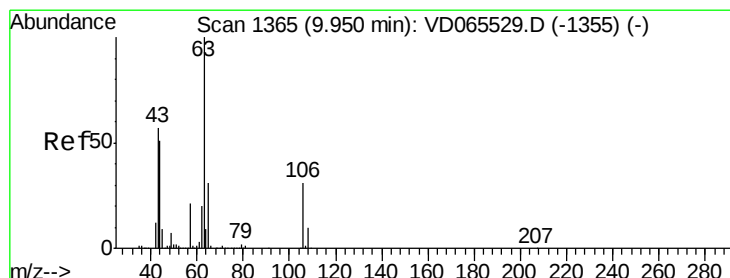
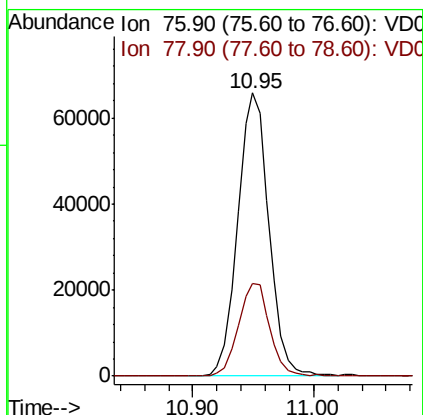
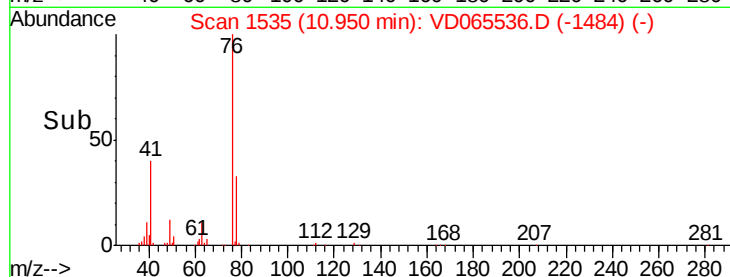
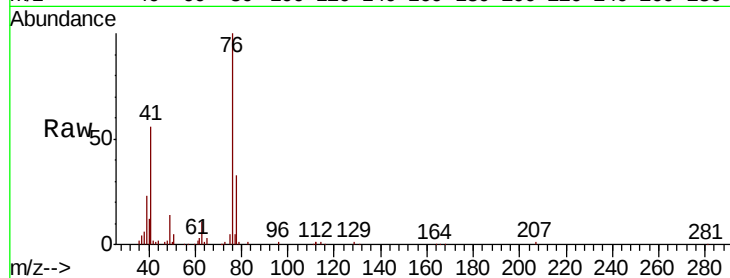
ClientSampleId :

Tot Ion: 76 Resp: 118056

Ion Ratio Lower Upper

76 100

78 32.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 95.237 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065536.D

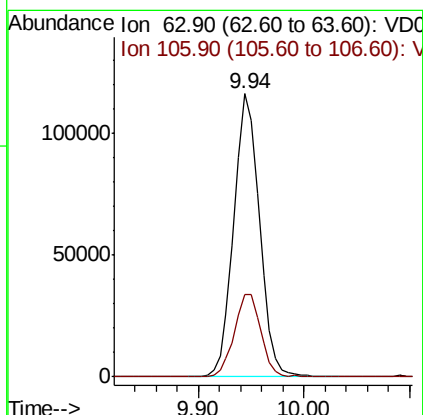
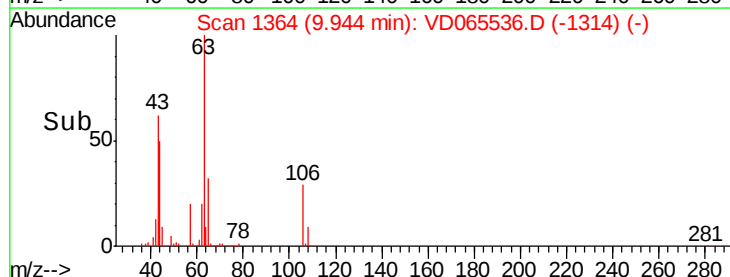
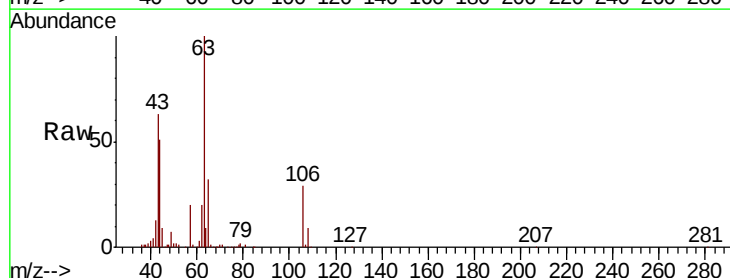
Acq: 27 Mar 2020 11:26

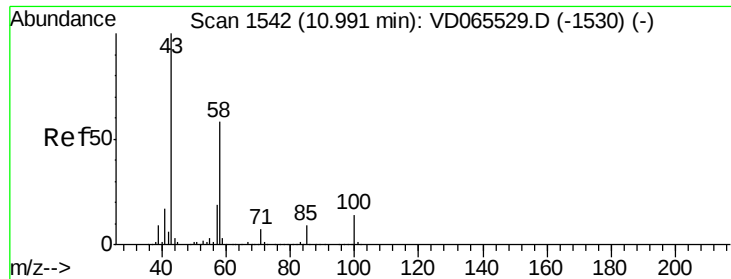
Tgt Ion: 63 Resp: 196134

Ion Ratio Lower Upper

63 100

106 30.0 24.3 36.5

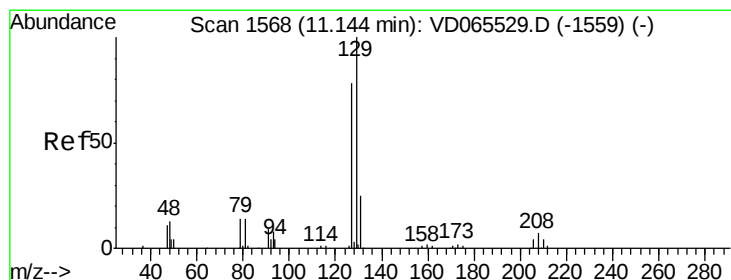
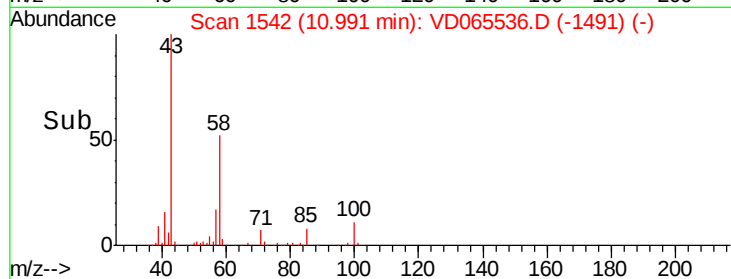
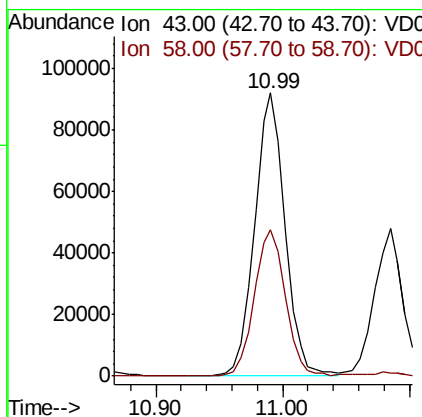
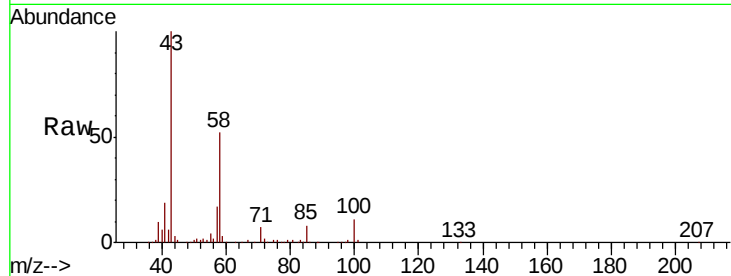




#59
2-Hexanone
Concen: 92.034 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

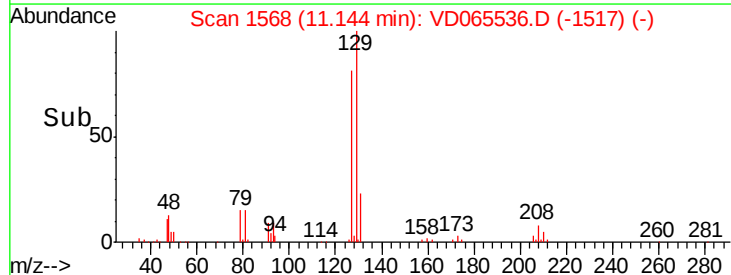
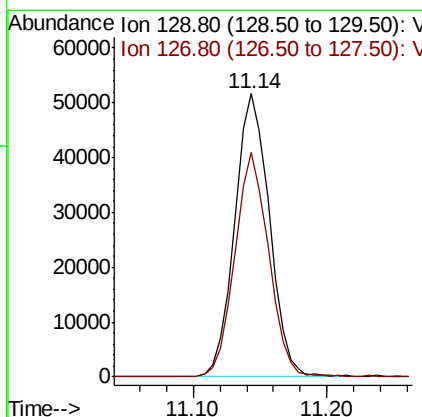
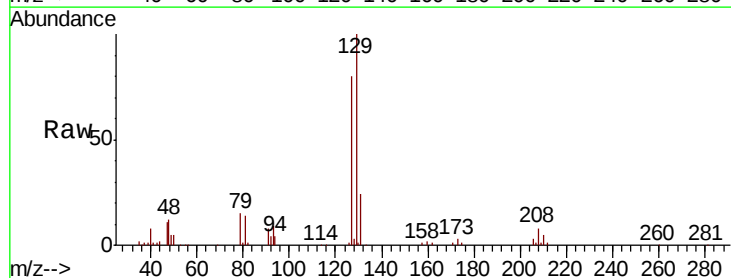
Instrument :
MSVOA_D
ClientSampleId :

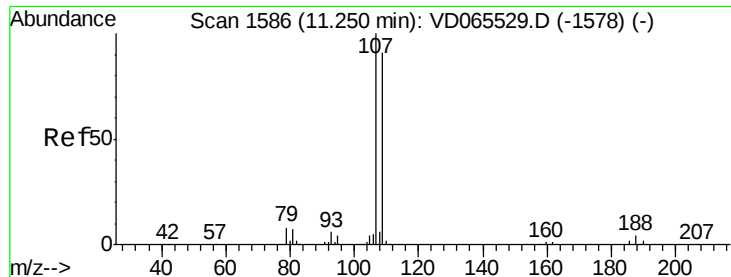
Tot Ion: 43 Resp: 153960
Ion Ratio Lower Upper
43 100
58 53.3 27.9 83.7



#60
Dibromochloromethane
Concen: 19.389 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 129 Resp: 93247
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6

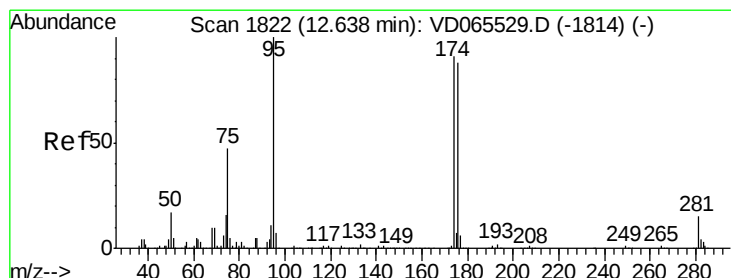
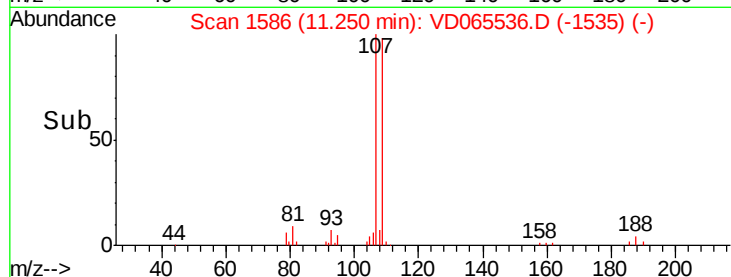
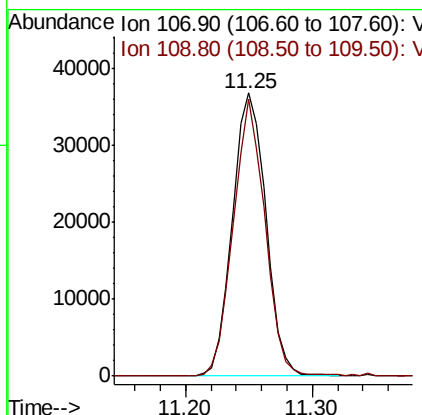
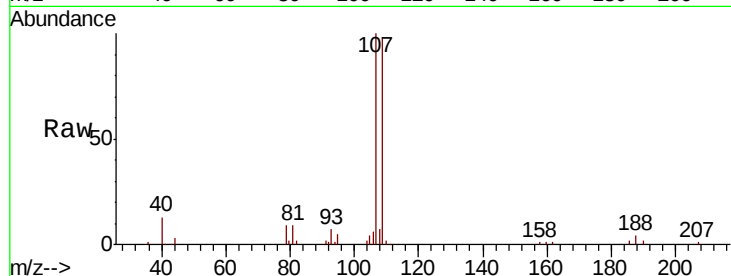




#61
 1,2-Dibromoethane
 Concen: 19.110 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

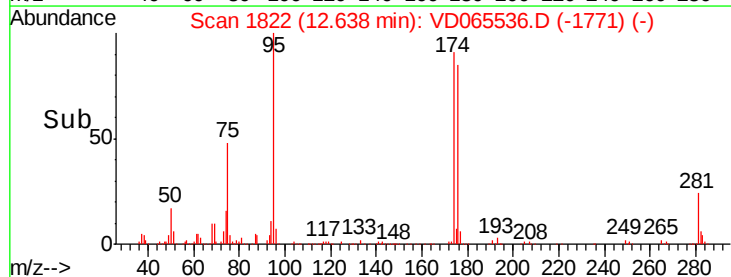
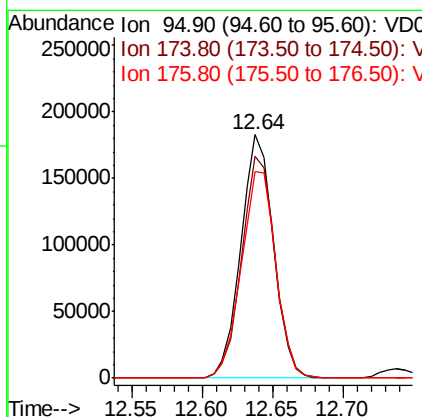
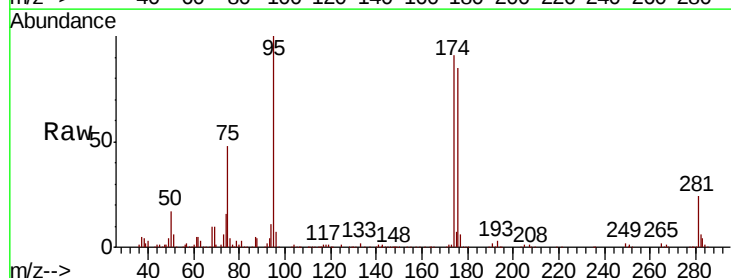
Instrument :
 MSVOA_D
 ClientSampleId :

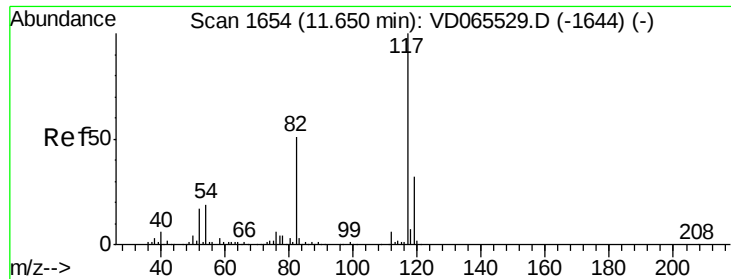
Tot Ion:107 Resp: 67121
 Ion Ratio Lower Upper
 107 100
 109 92.7 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 52.560 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion: 95 Resp: 295935
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 183.8
 176 89.7 0.0 178.2

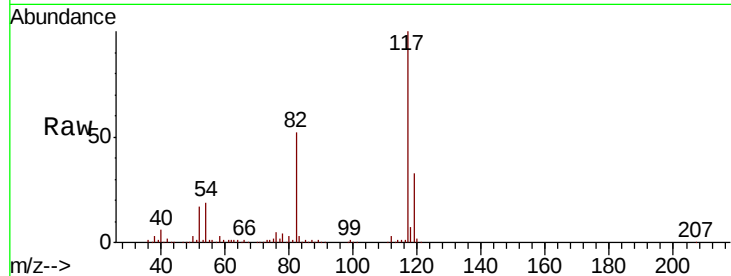




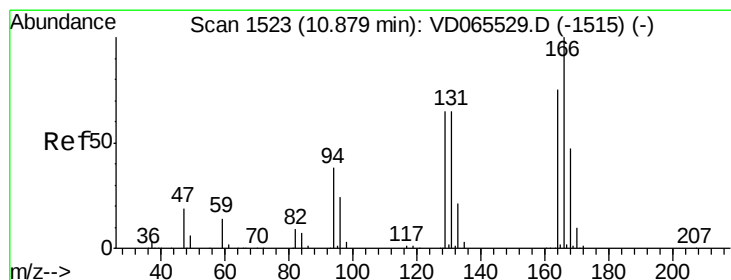
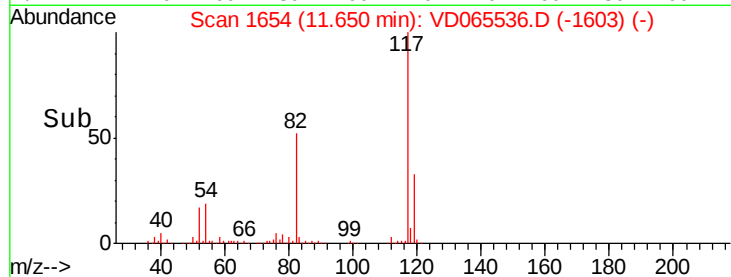
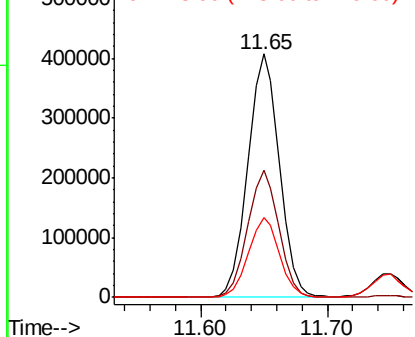
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 704069
Ion Ratio Lower Upper
117 100
82 52.1 41.0 61.6
119 32.6 25.5 38.3

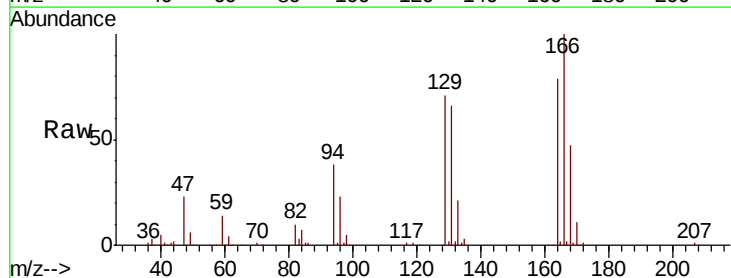


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

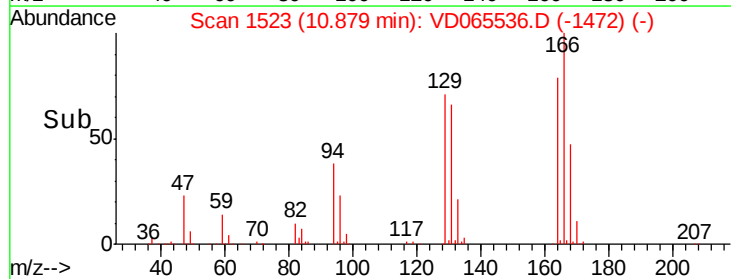
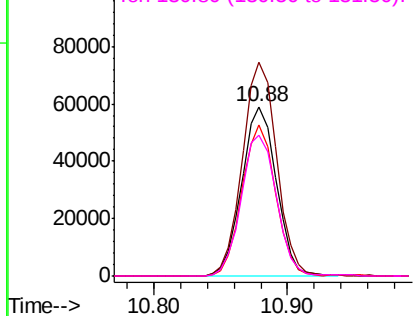


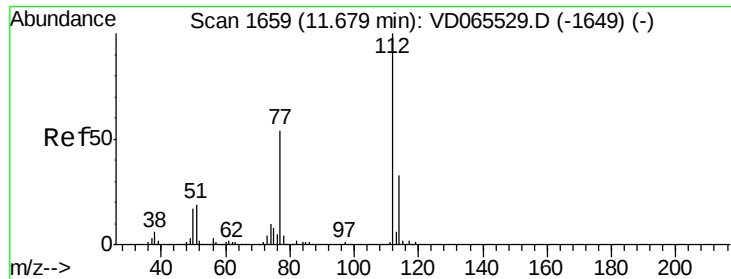
#64
Tetrachloroethene
Concen: 20.901 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion:164 Resp: 105414
Ion Ratio Lower Upper
164 100
166 126.1 107.1 160.7
129 89.3 69.2 103.8
131 83.3 69.4 104.0



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

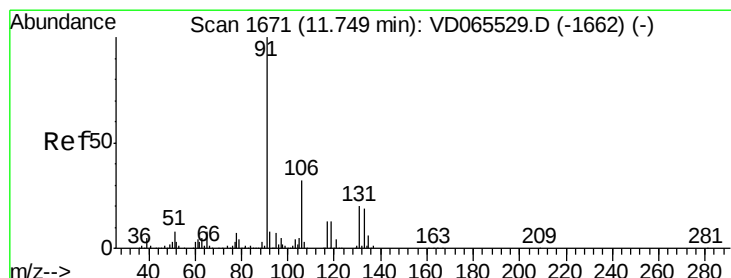
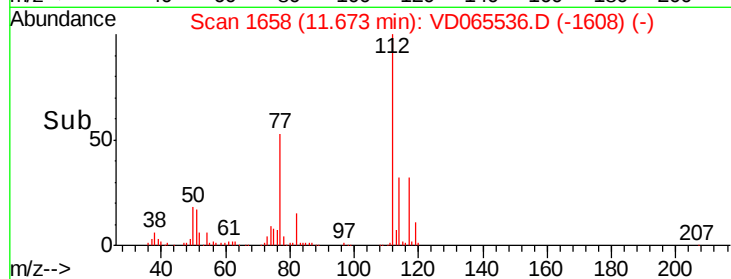
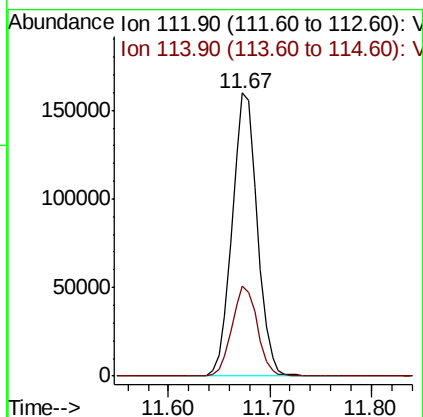
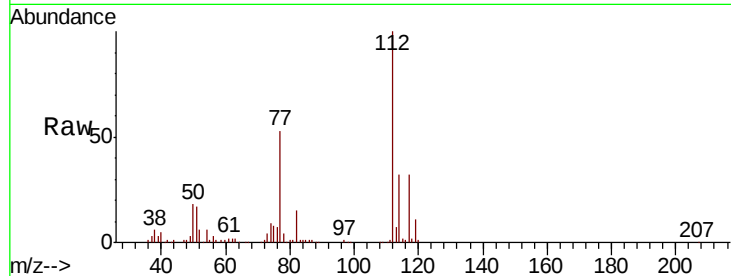




#65
Chlorobenzene
Concen: 19.955 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

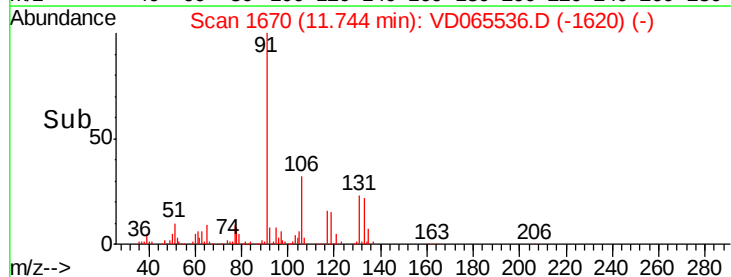
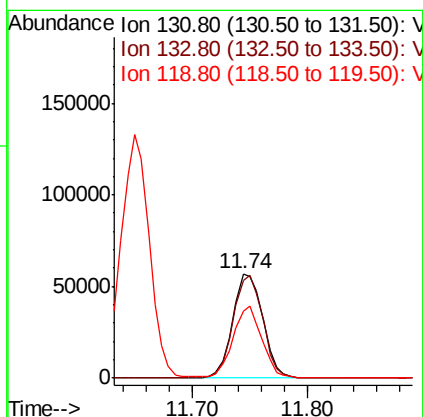
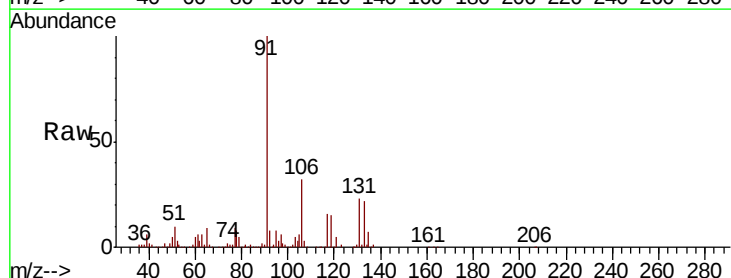
Instrument :
MSVOA_D
ClientSampleId :

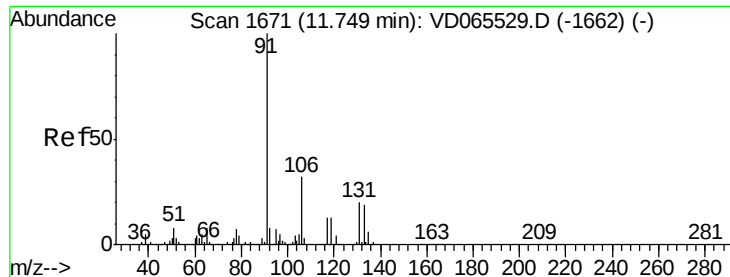
Tot Ion:112 Resp: 274668
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.086 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion:131 Resp: 103103
Ion Ratio Lower Upper
131 100
133 97.2 48.9 146.7
119 66.7 32.5 97.4





#67

Ethyl Benzene

Concen: 20.291 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

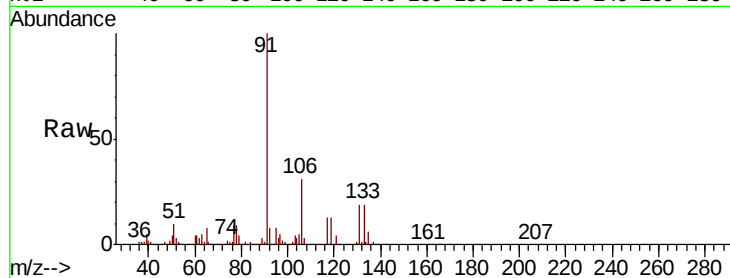
ClientSampleId :

Tot Ion: 91 Resp: 470415

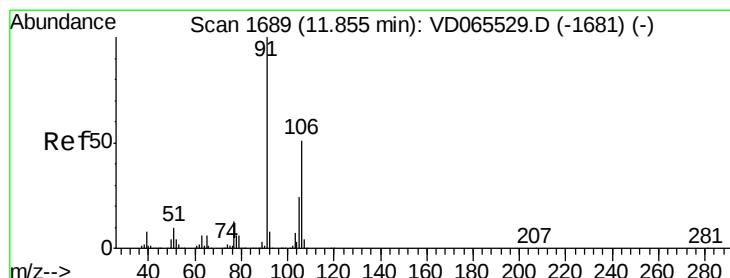
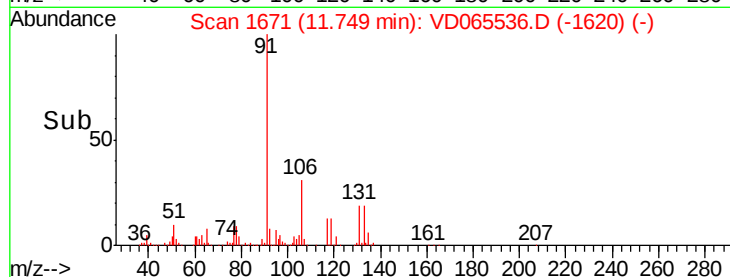
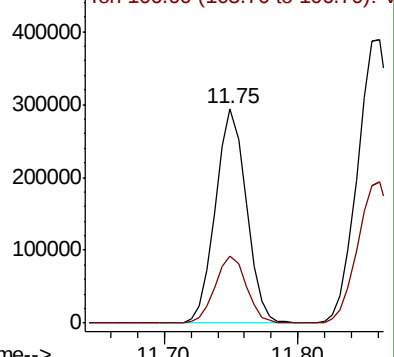
Ion Ratio Lower Upper

91 100

106 31.3 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 41.248 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065536.D

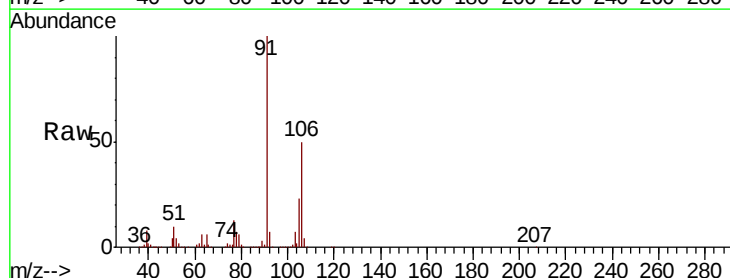
Acq: 27 Mar 2020 11:26

Tgt Ion: 106 Resp: 375475

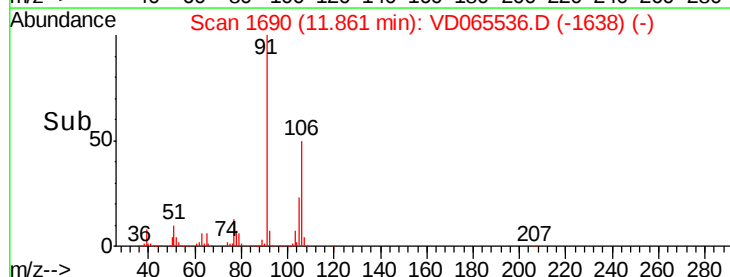
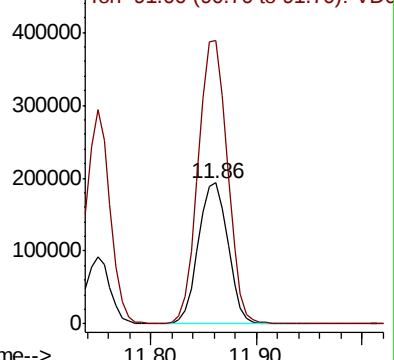
Ion Ratio Lower Upper

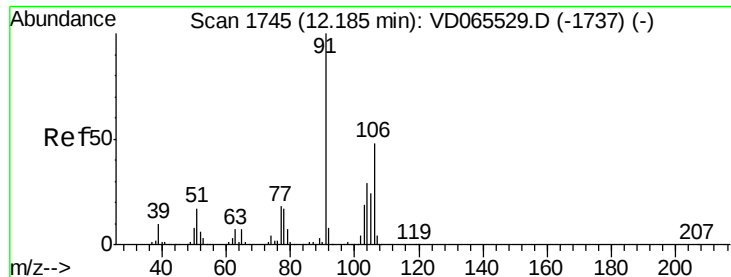
106 100

91 199.4 155.4 233.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

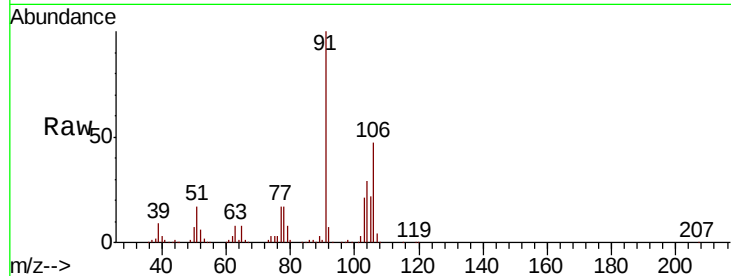




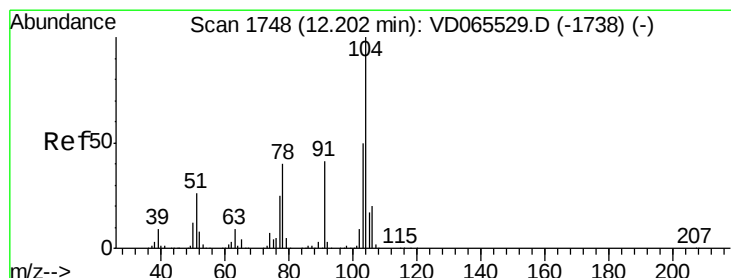
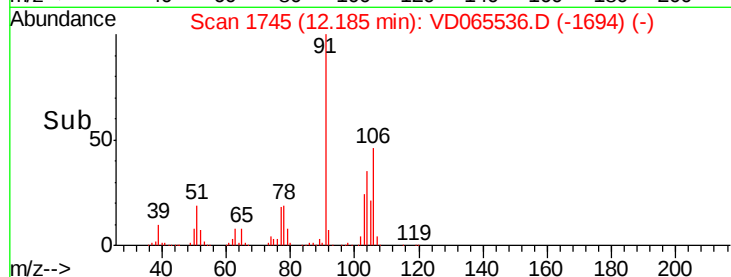
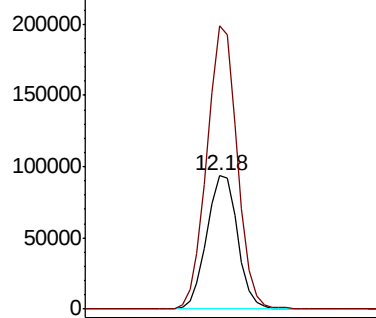
#69
o-Xylene
Concen: 19.869 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 158397
Ion Ratio Lower Upper
106 100
91 207.7 102.8 308.4

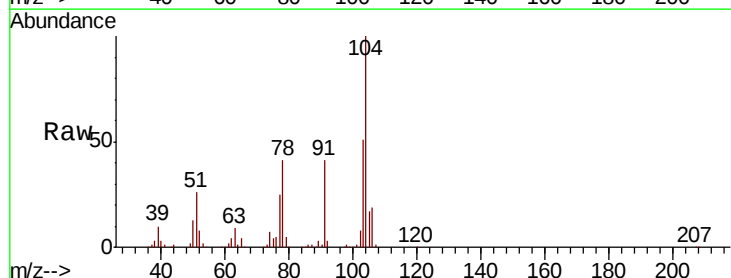


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

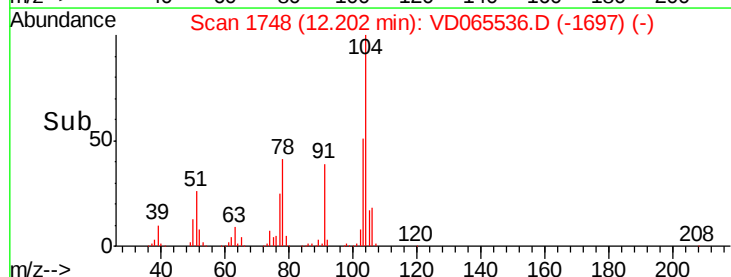
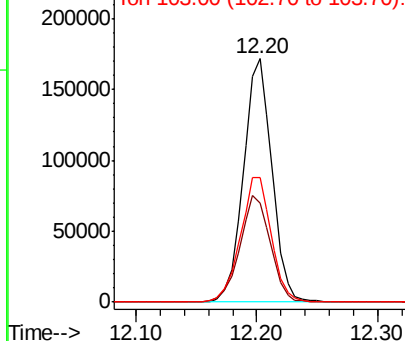


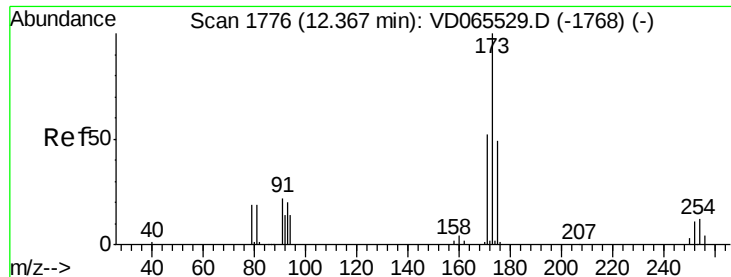
#70
Styrene
Concen: 20.103 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion:104 Resp: 283073
Ion Ratio Lower Upper
104 100
78 47.0 36.6 55.0
103 55.4 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.672 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

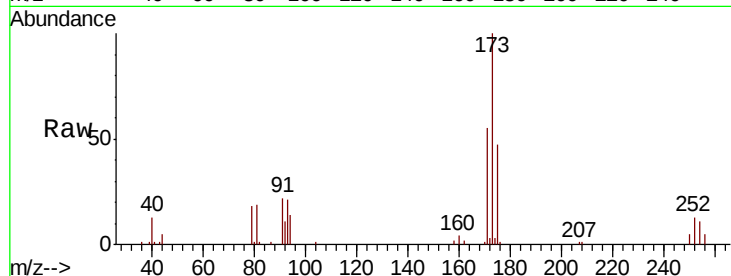
Tot Ion:173 Resp: 55696

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

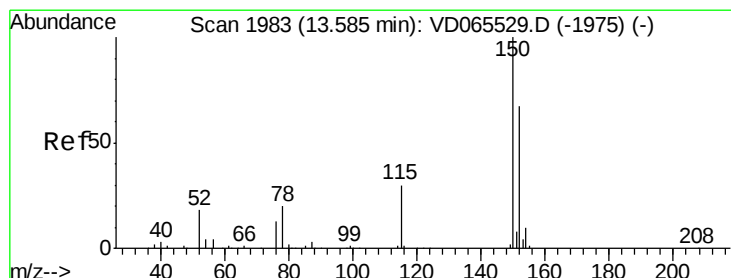
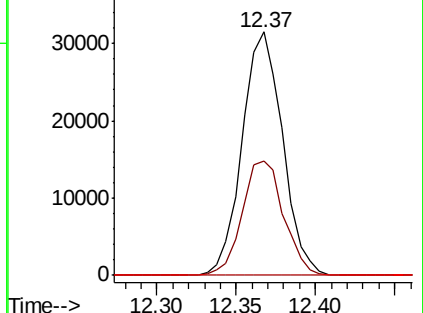
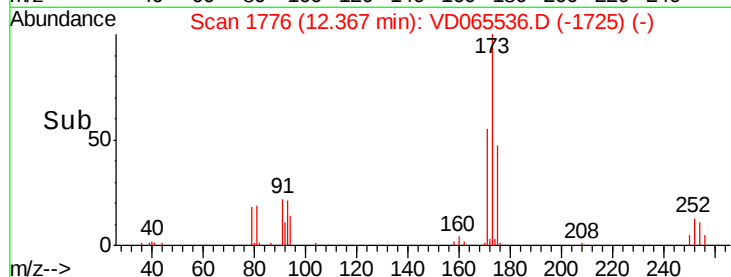
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

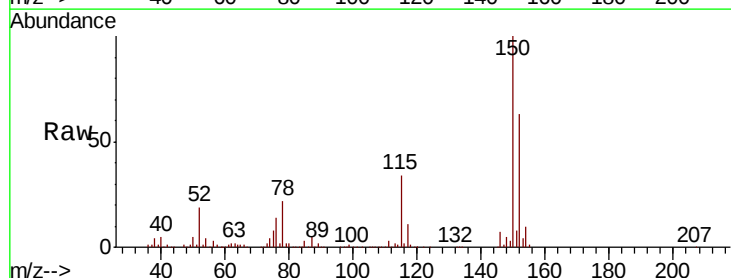
Tgt Ion:152 Resp: 349974

Ion Ratio Lower Upper

152 100

115 54.4 27.2 81.6

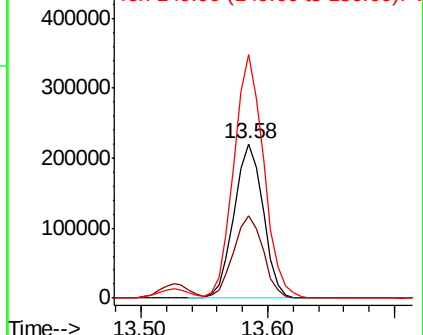
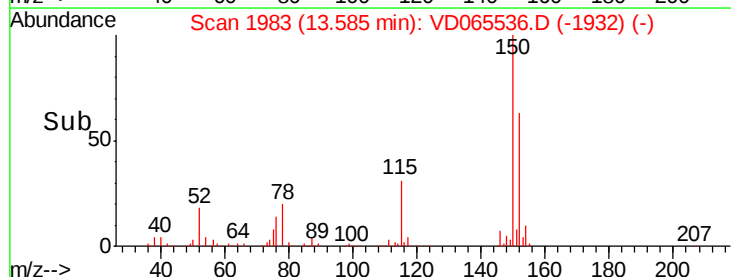
150 162.0 0.0 340.2

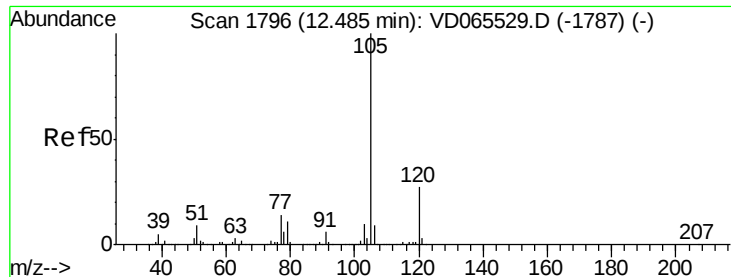


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

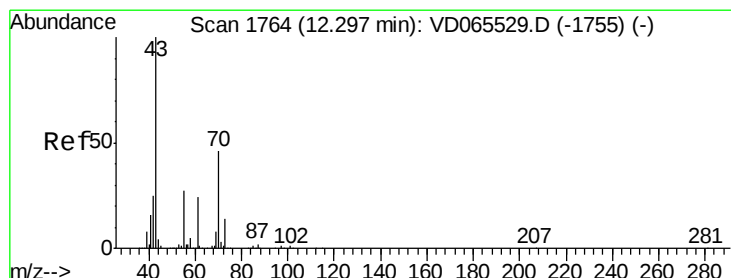
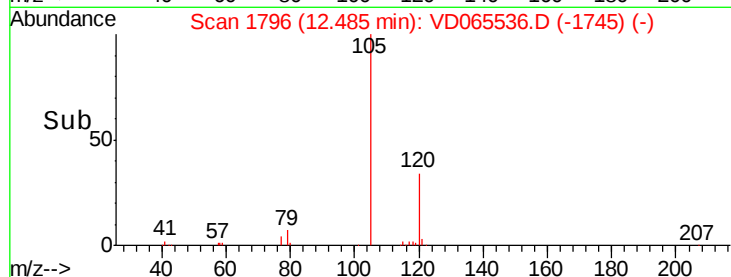
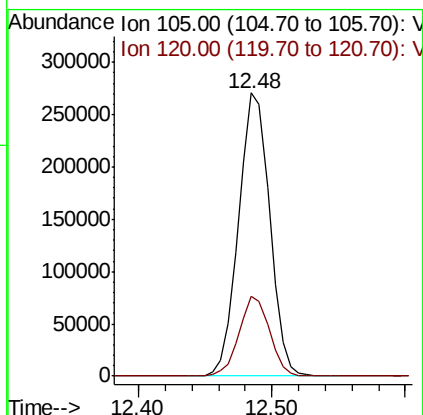
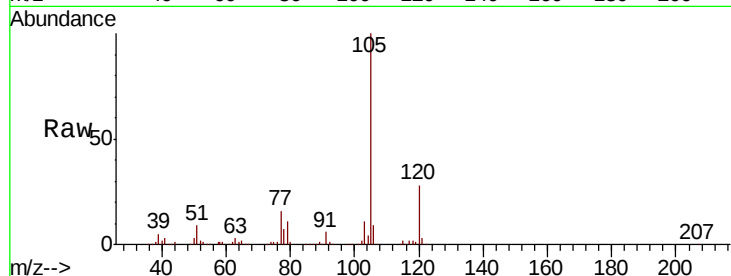




#73
Isopropylbenzene
Concen: 20.373 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

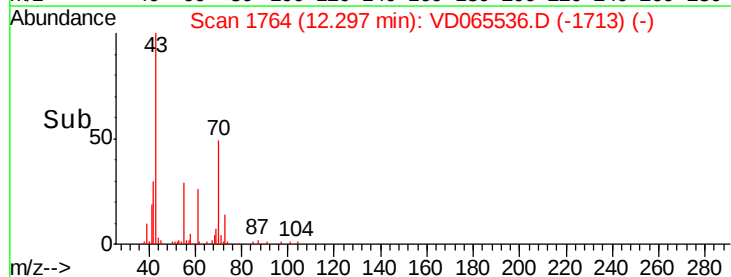
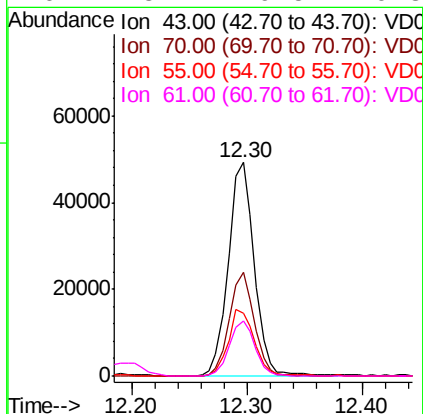
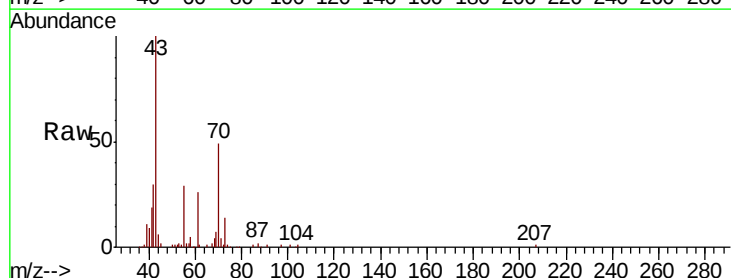
Instrument :
MSVOA_D
ClientSampleId :

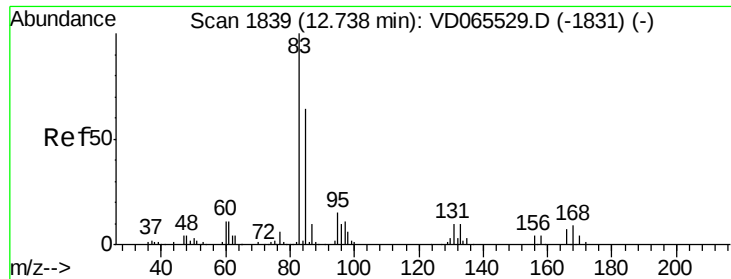
Tot Ion:105 Resp: 437813
Ion Ratio Lower Upper
105 100
120 27.3 13.7 41.0



#74
N-ethyl acetate
Concen: 18.155 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion: 43 Resp: 76993
Ion Ratio Lower Upper
43 100
70 46.3 36.2 54.2
55 31.3 22.2 33.4
61 25.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.830 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

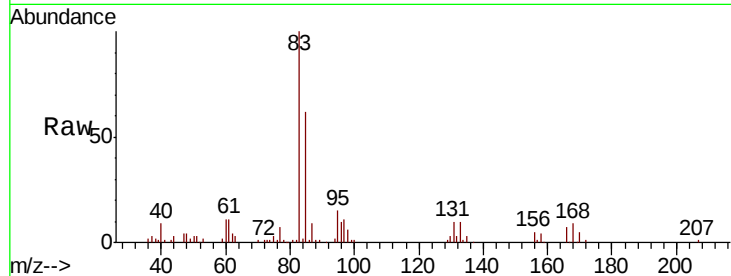
Tot Ion: 83 Resp: 74020

Ion Ratio Lower Upper

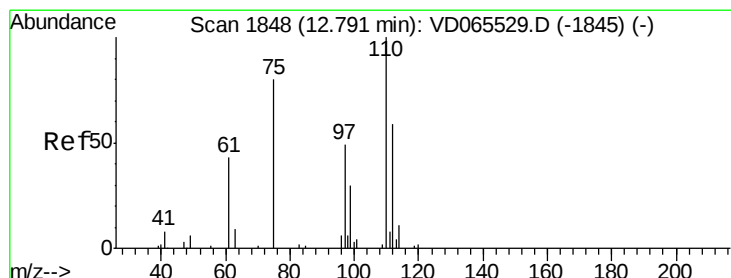
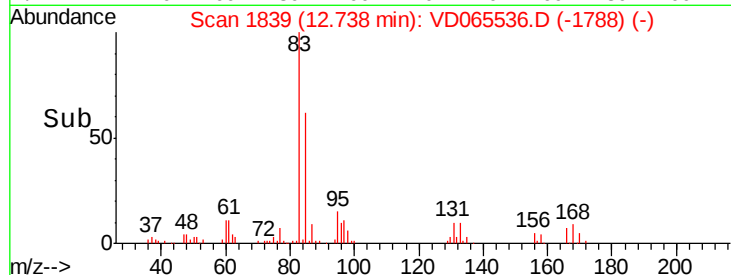
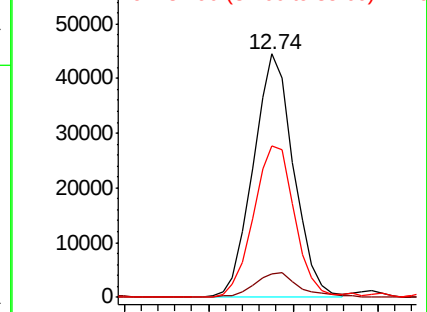
83 100

131 11.1 5.6 16.8

85 63.6 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: 34.665 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065536.D

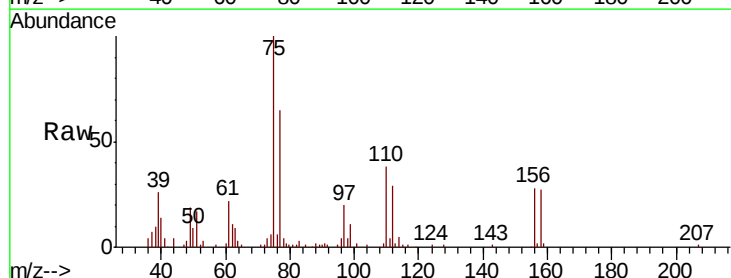
Acq: 27 Mar 2020 11:26

Tgt Ion: 75 Resp: 93270

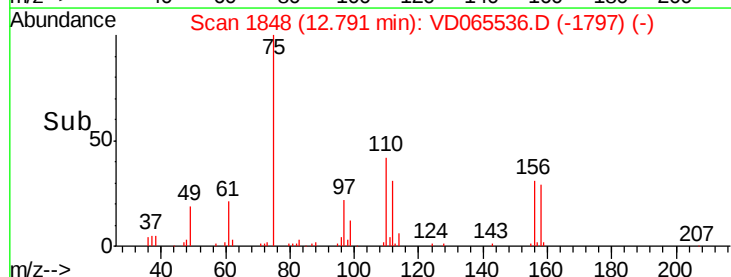
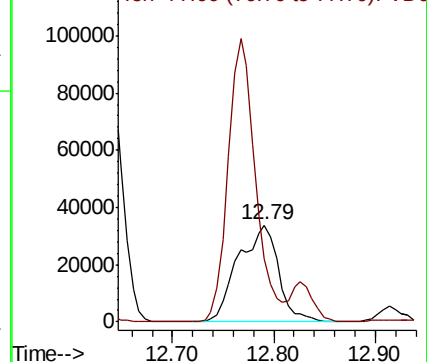
Ion Ratio Lower Upper

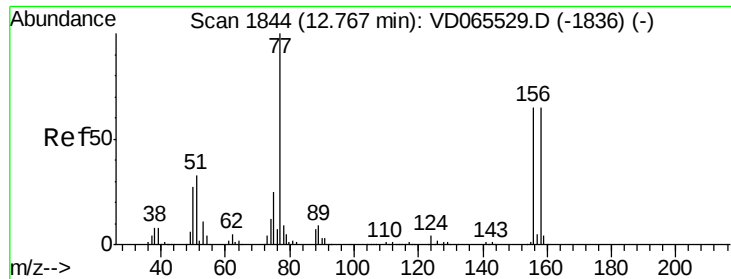
75 100

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: 20.013 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

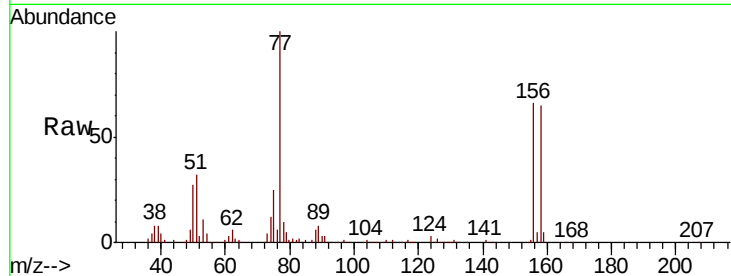
Tot Ion:156 Resp: 112385

Ion Ratio Lower Upper

156 100

77 165.5 81.8 245.3

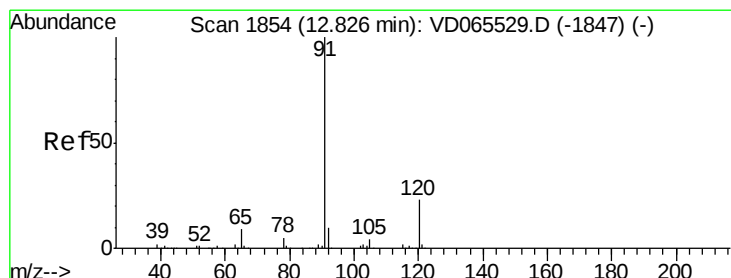
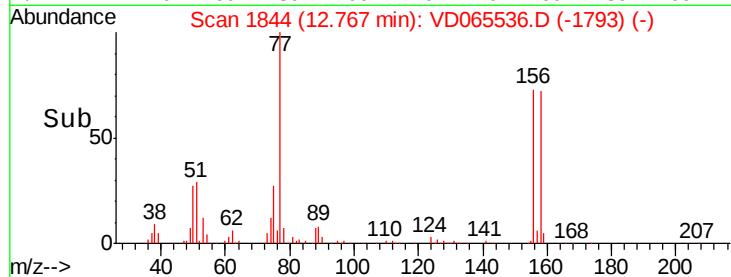
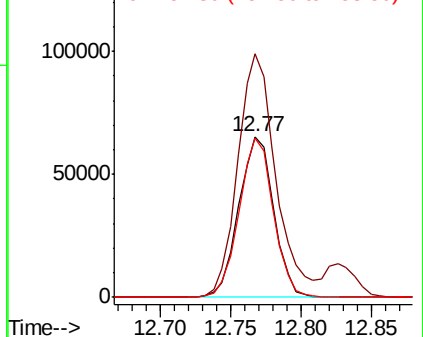
158 97.7 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.053 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065536.D

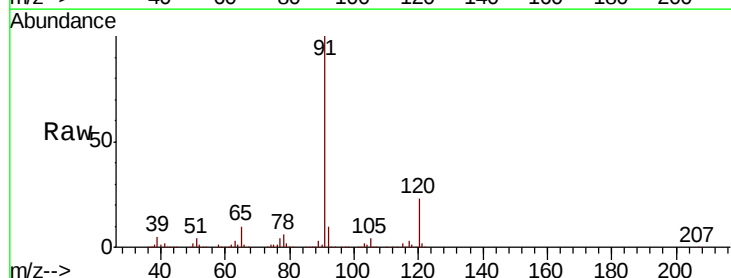
Acq: 27 Mar 2020 11:26

Tgt Ion: 91 Resp: 539274

Ion Ratio Lower Upper

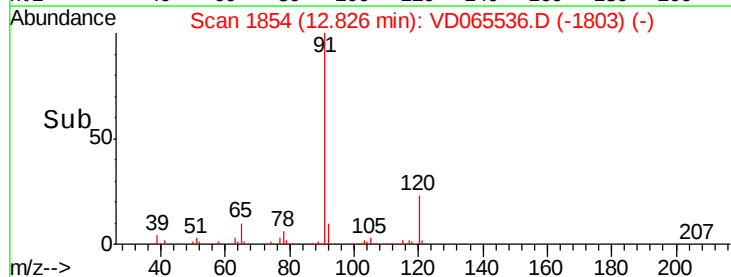
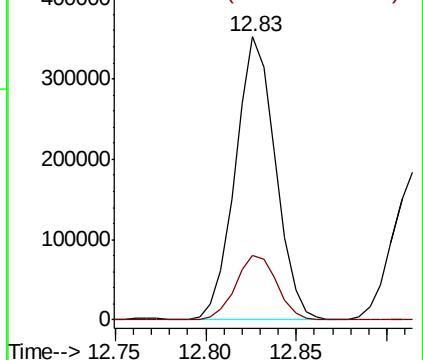
91 100

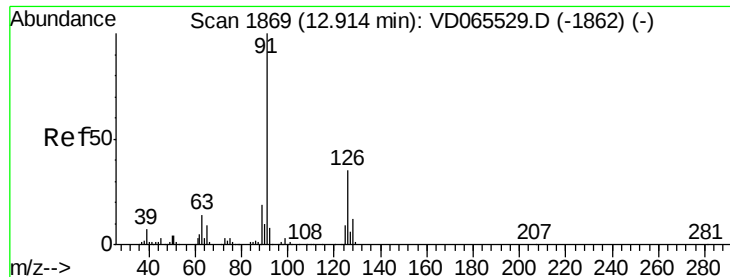
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.647 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

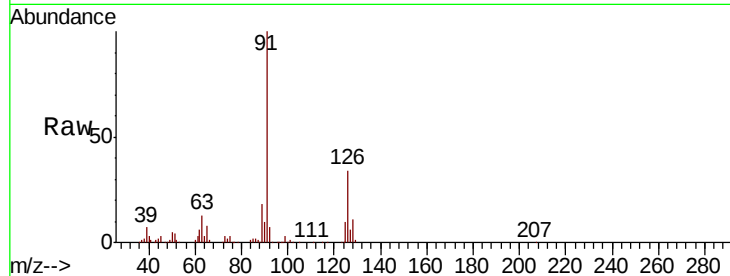
ClientSampleId :

Tot Ion: 91 Resp: 301728

Ion Ratio Lower Upper

91 100

126 35.1 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

300000

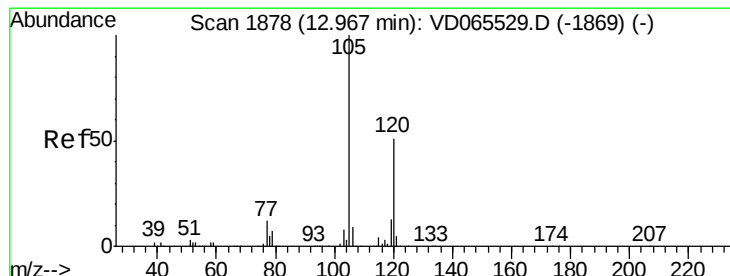
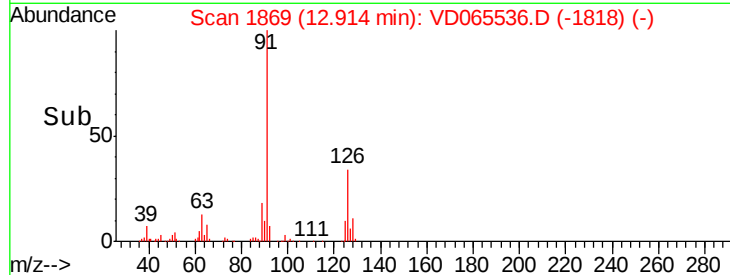
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.176 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065536.D

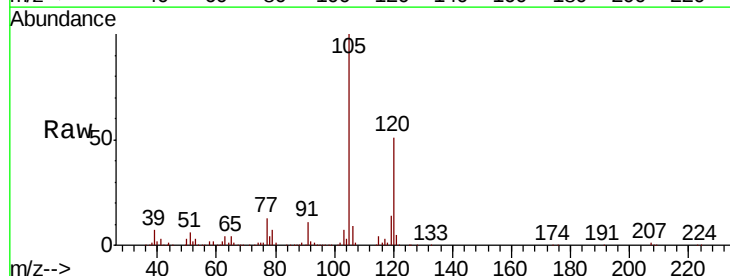
Acq: 27 Mar 2020 11:26

Tgt Ion:105 Resp: 377180

Ion Ratio Lower Upper

105 100

120 51.5 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

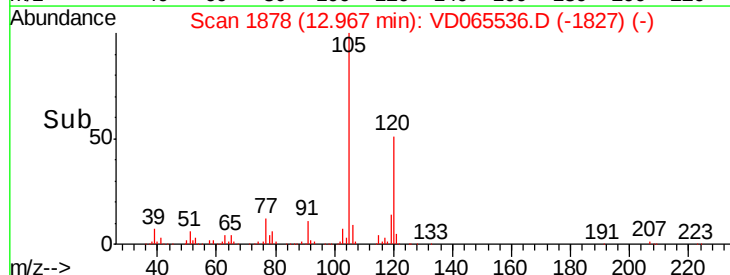
100000

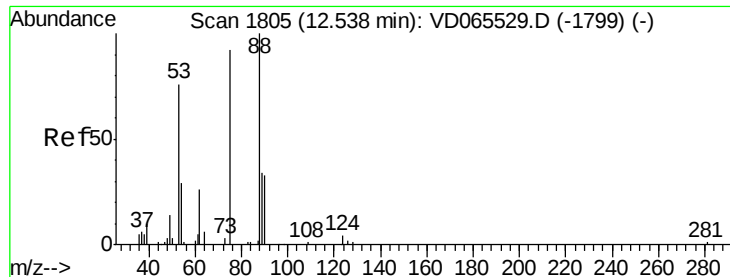
50000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.893 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

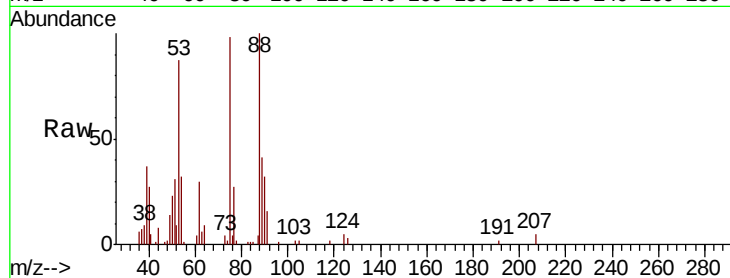
Tot Ion: 75 Resp: 22773

Ion Ratio Lower Upper

75 100

53 93.6 72.4 108.6

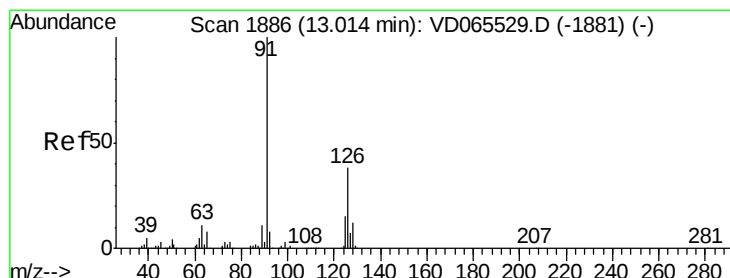
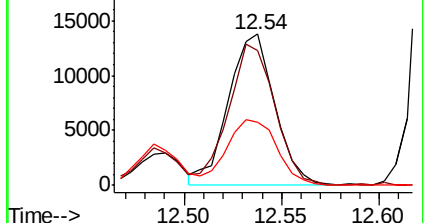
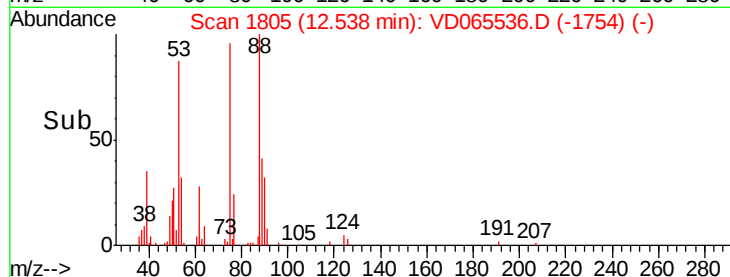
89 46.5 36.9 55.3



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: 20.884 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065536.D

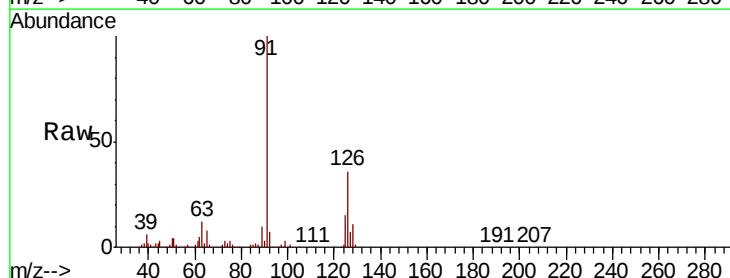
Acq: 27 Mar 2020 11:26

Tgt Ion: 91 Resp: 324327

Ion Ratio Lower Upper

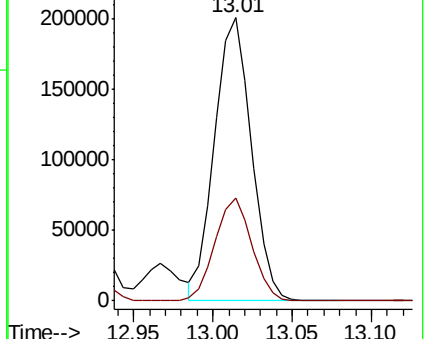
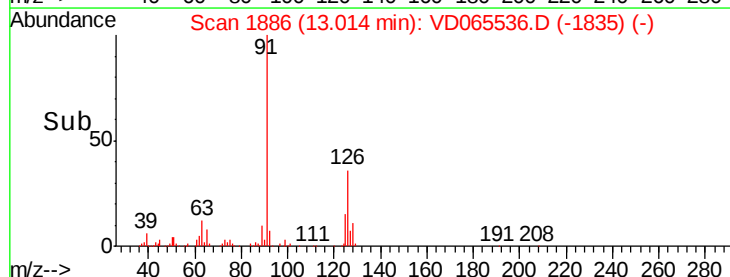
91 100

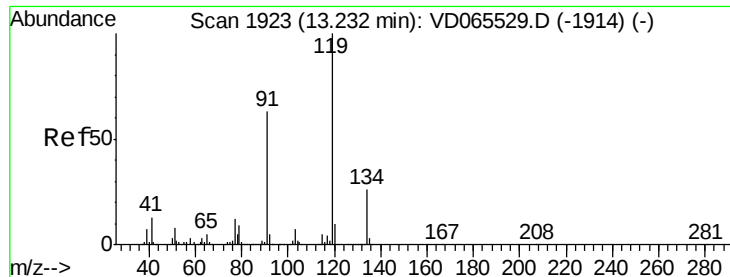
126 36.5 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

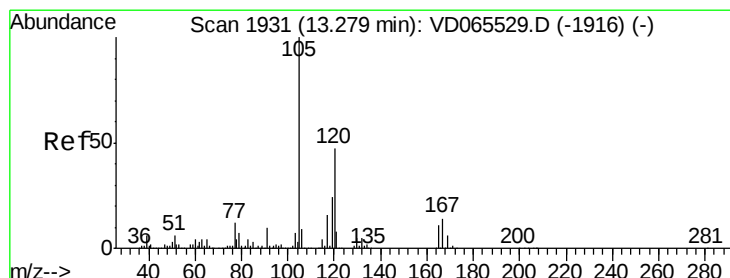
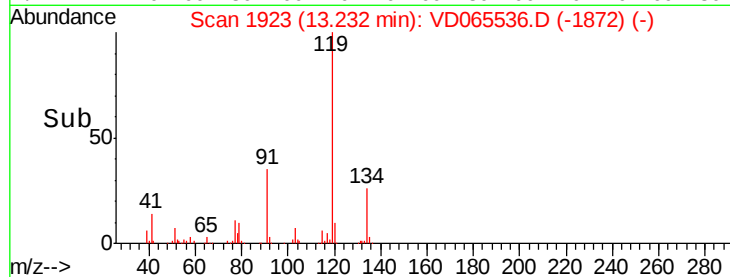
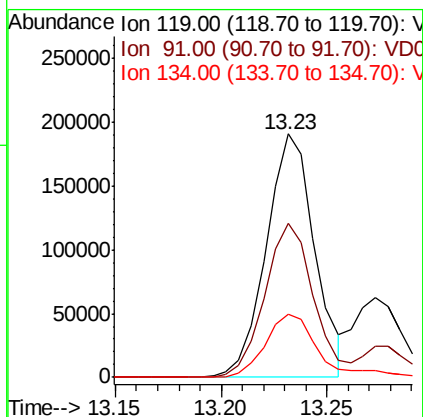
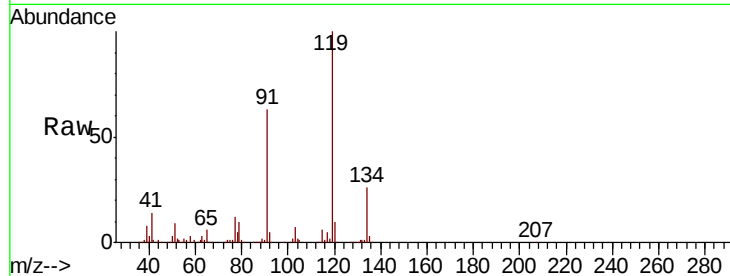




#83
tert-Butylbenzene
Concen: 20.372 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

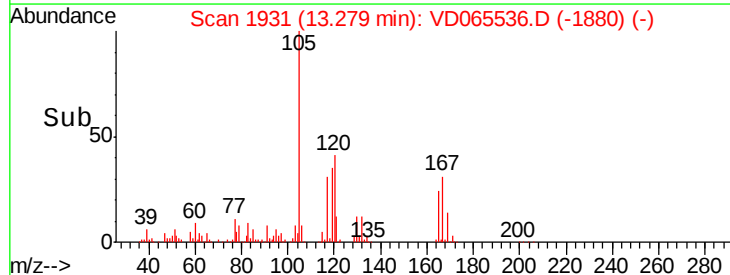
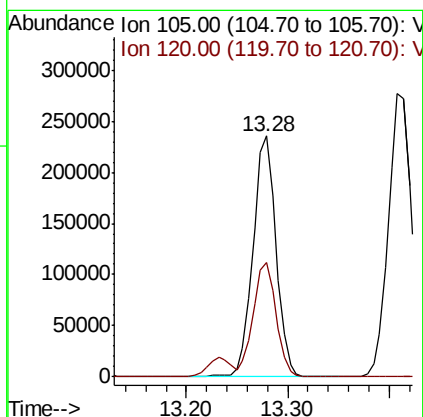
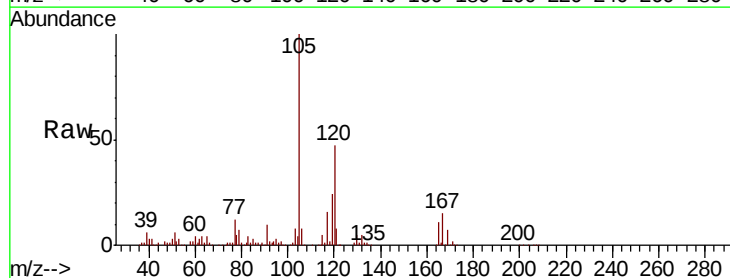
Instrument :
MSVOA_D
ClientSampled :

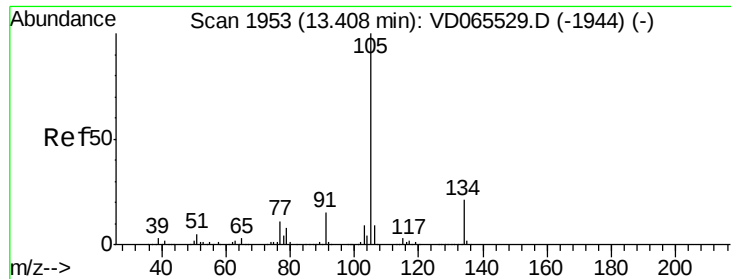
Tot Ion:119 Resp: 303908
Ion Ratio Lower Upper
119 100
91 64.1 31.4 94.0
134 28.5 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 20.867 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065536.D
Acq: 27 Mar 2020 11:26

Tgt Ion:105 Resp: 371584
Ion Ratio Lower Upper
105 100
120 47.1 23.5 70.5





#85

sec-Butylbenzene

Concen: 20.580 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

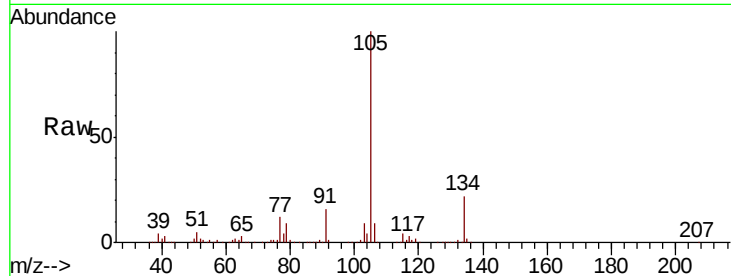
ClientSampleId :

Tot Ion:105 Resp: 439342

Ion Ratio Lower Upper

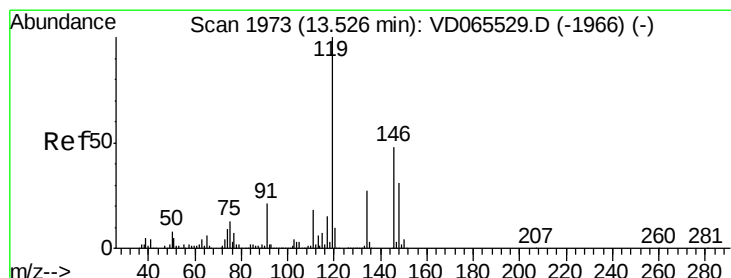
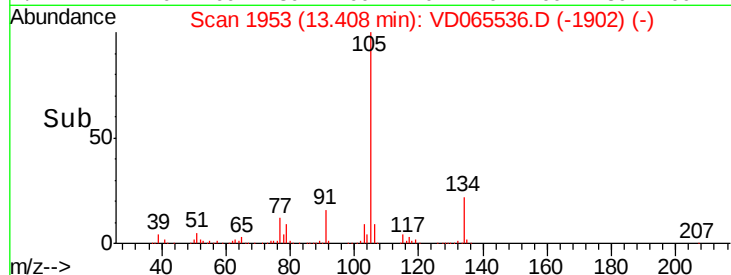
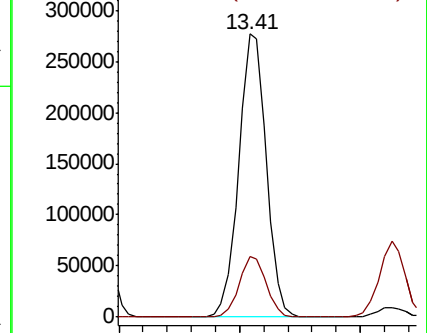
105 100

134 21.2 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: 20.881 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

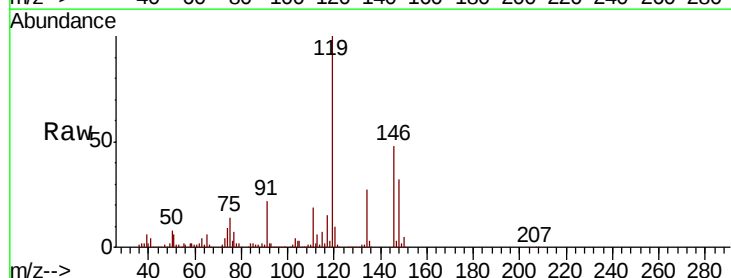
Tgt Ion:119 Resp: 410774

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

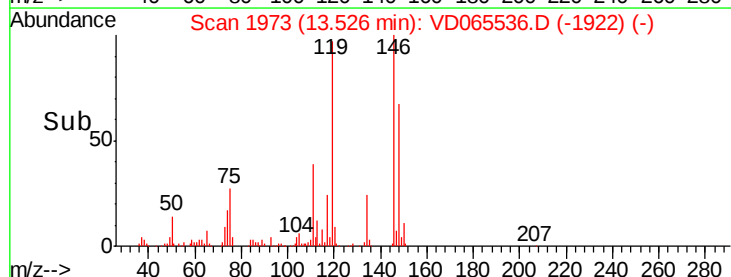
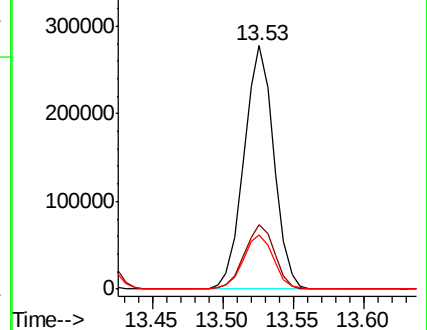
91 22.8 10.8 32.3

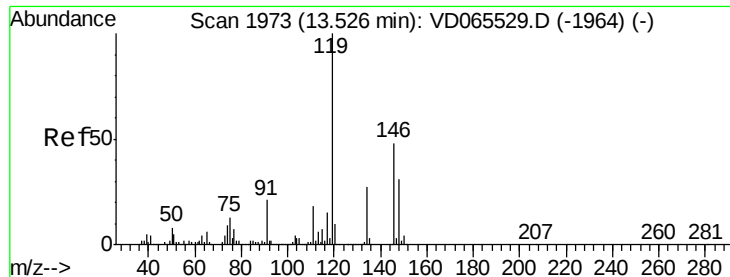


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

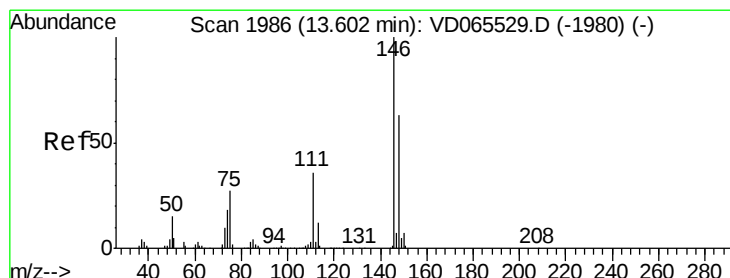
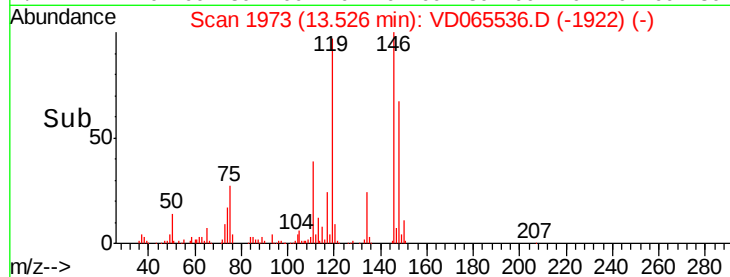
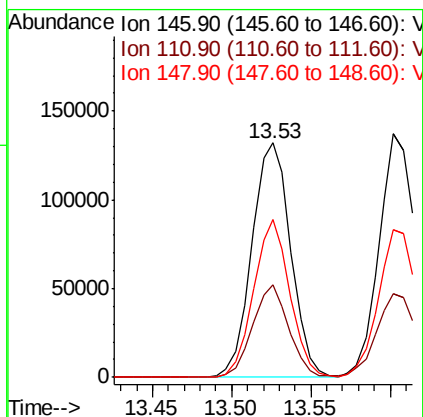
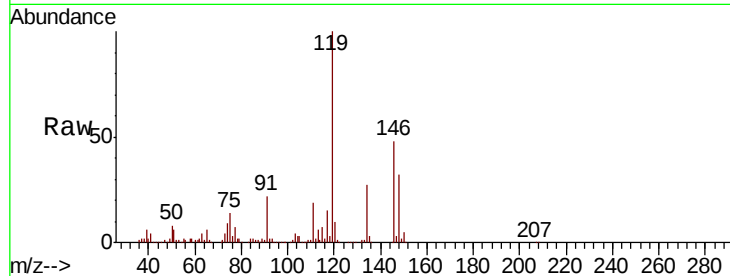




#87
 1,3-Dichlorobenzene
 Concen: 20.773 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

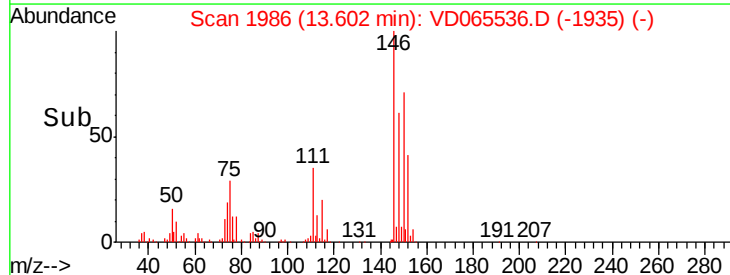
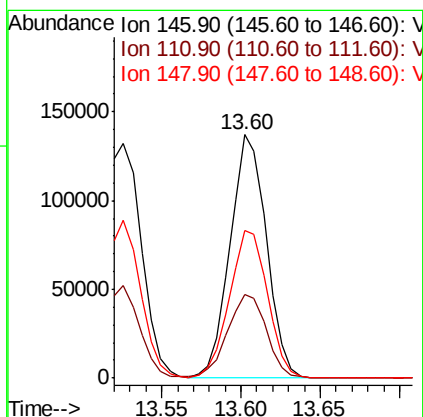
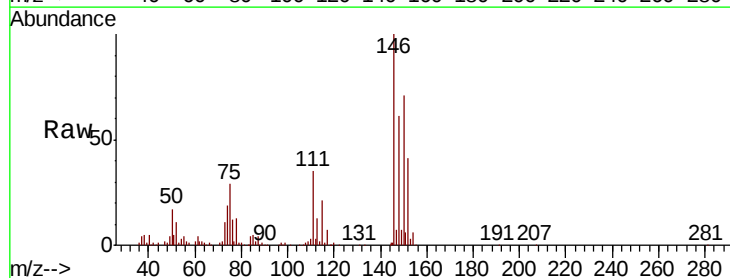
Instrument :
 MSVOA_D
 ClientSampleId :

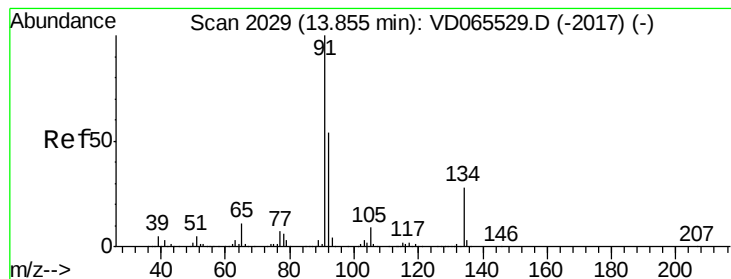
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.5	55.5
148	62.9	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.212 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.0	54.0
148	63.6	31.6	94.8





#89

n-Butylbenzene

Concen: 20.647 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

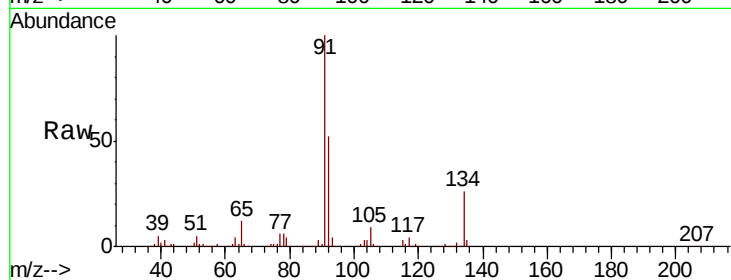
Tot Ion: 91 Resp: 368871

Ion Ratio Lower Upper

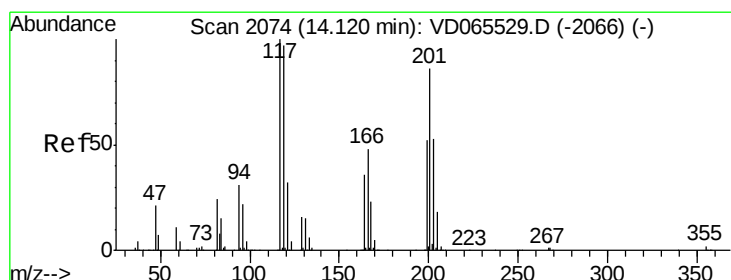
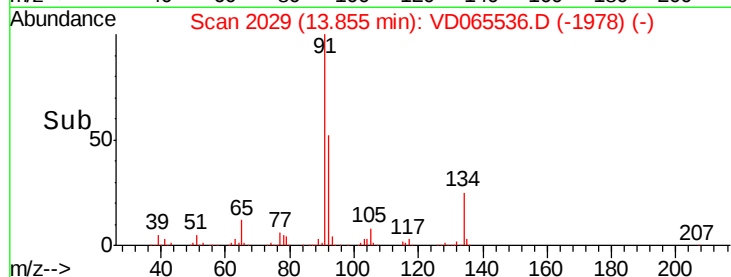
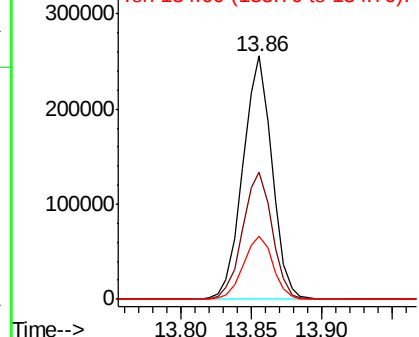
91 100

92 52.9 26.8 80.4

134 26.4 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.921 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065536.D

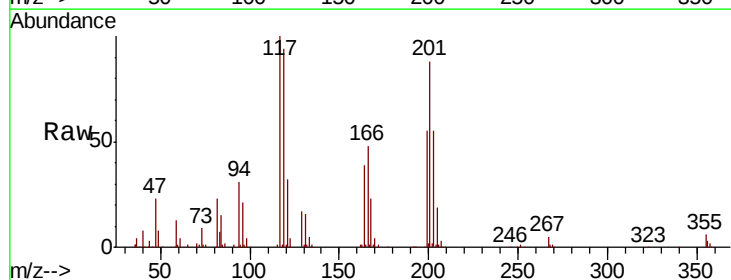
Acq: 27 Mar 2020 11:26

Tgt Ion: 117 Resp: 86307

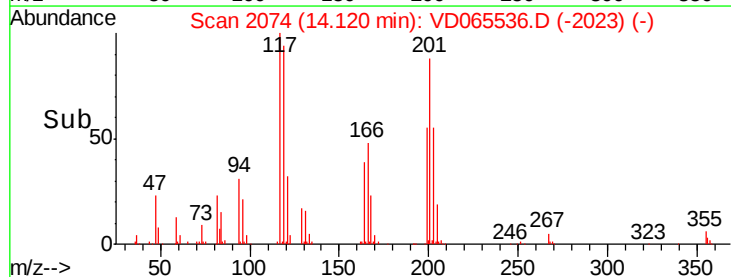
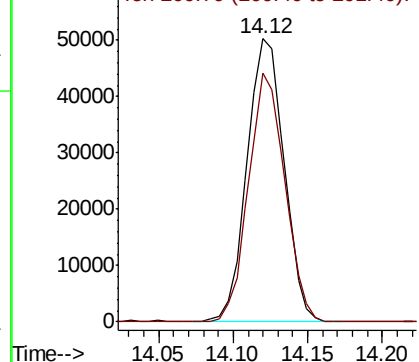
Ion Ratio Lower Upper

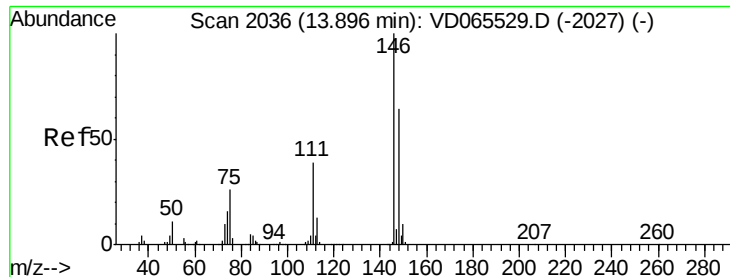
117 100

201 86.1 43.9 131.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

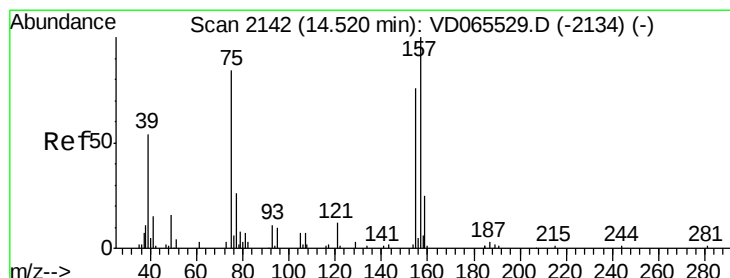
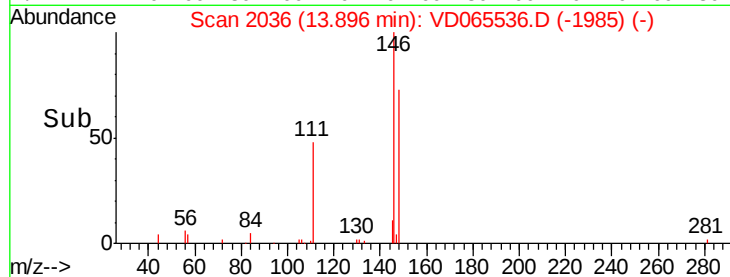
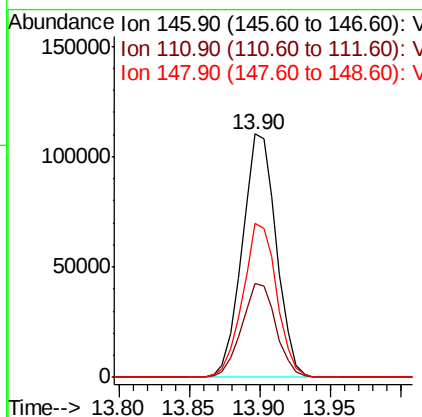
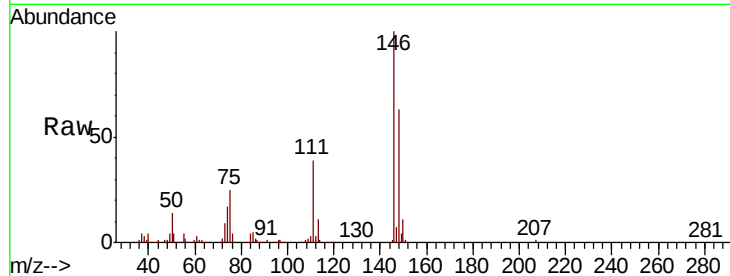




#91
 1,2-Dichlorobenzene
 Concen: 20.347 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

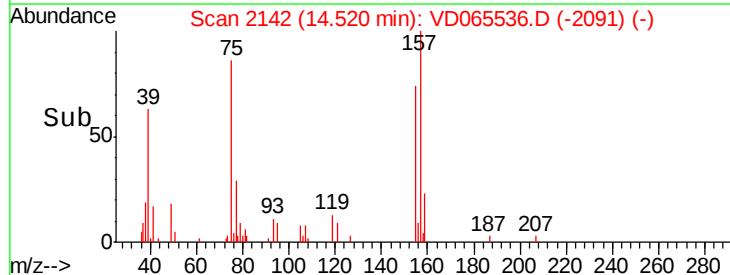
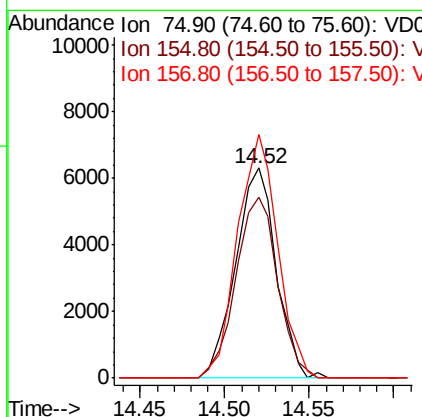
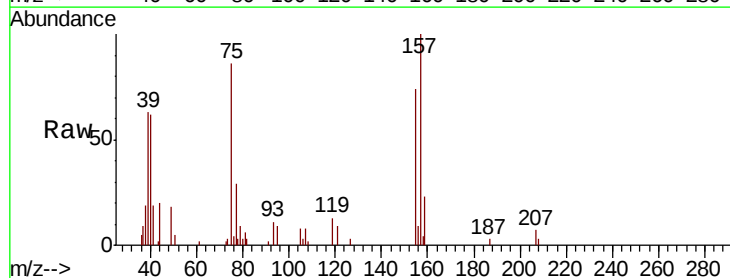
Instrument :
 MSVOA_D
 ClientSampled :

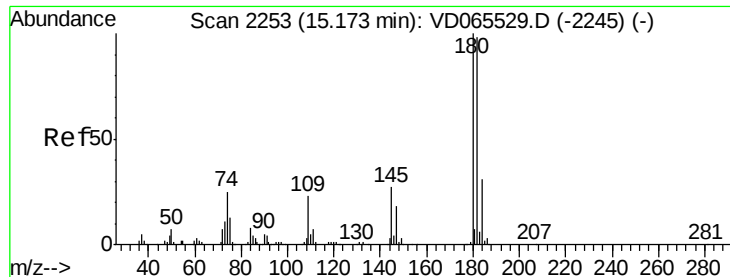
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.4
148	63.0	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.735 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	46.2	138.6
157	114.9	57.9	173.7

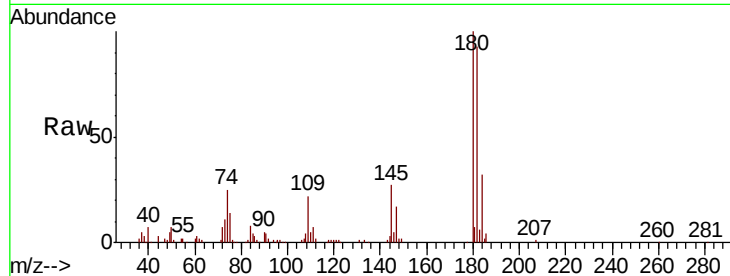




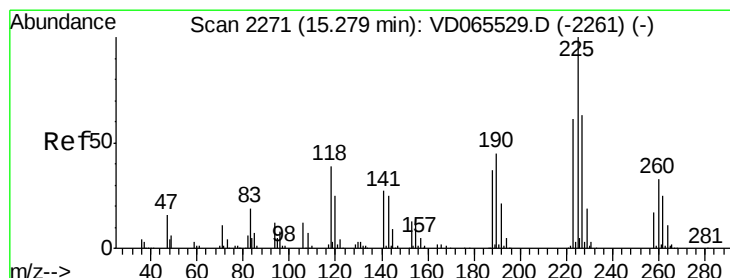
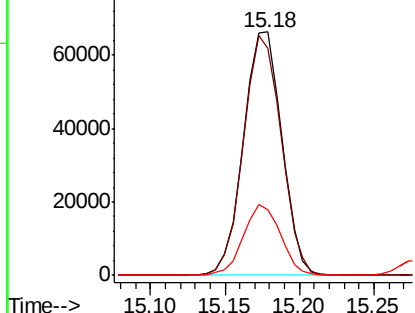
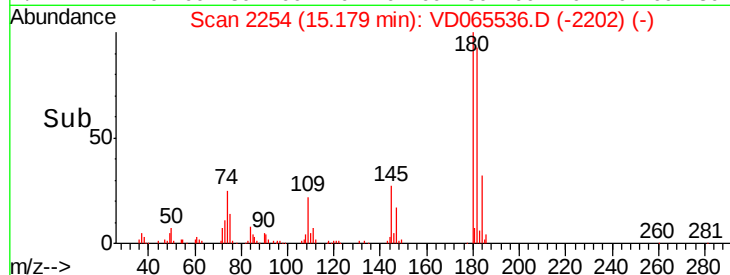
#93
 1,2,4-Trichlorobenzene
 Concen: 18.619 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 118164
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.1 144.3
 145 27.9 13.9 41.6

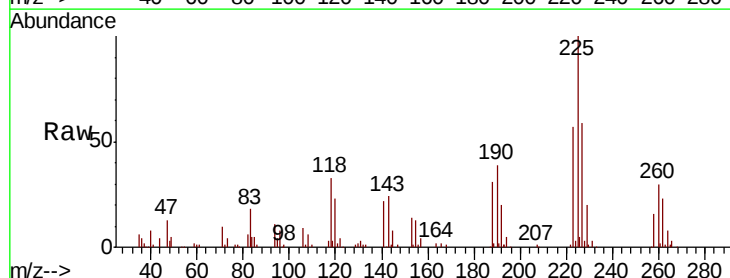


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

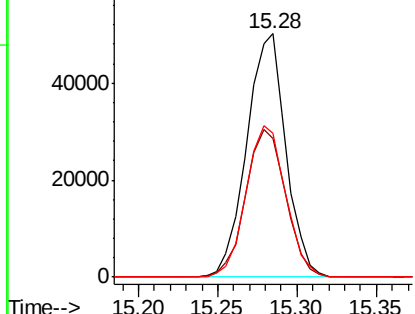
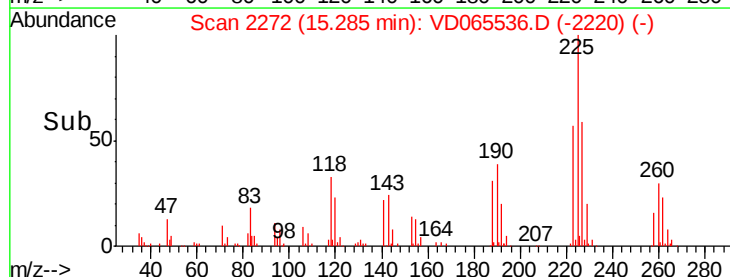


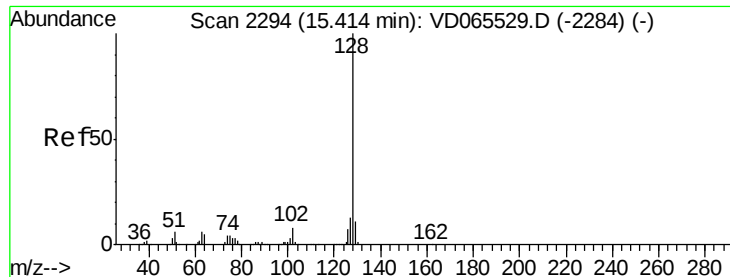
#94
 Hexachlorobutadiene
 Concen: 20.841 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065536.D
 Acq: 27 Mar 2020 11:26

Tgt Ion:225 Resp: 86192
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.2 93.6
 227 62.7 32.3 96.9



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





#95

Naphthalene

Concen: 18.044 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

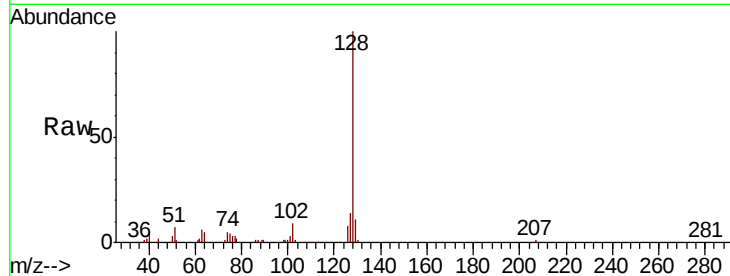
Tot Ion:128 Resp: 162366

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 10.8 8.7 13.1

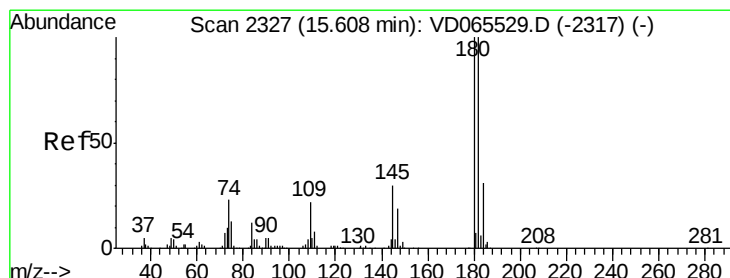
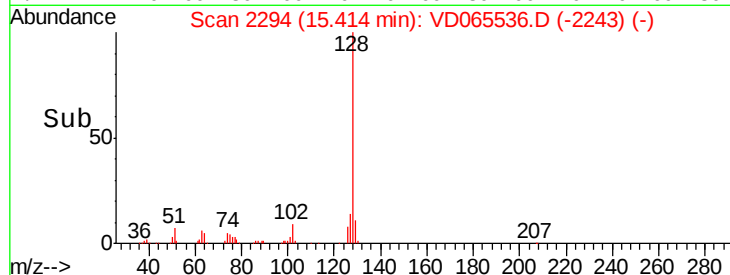
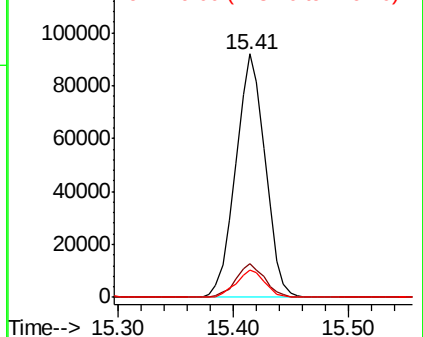


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.784 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065536.D

Acq: 27 Mar 2020 11:26

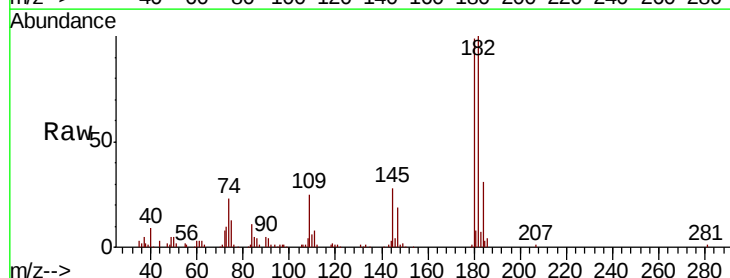
Tgt Ion:180 Resp: 102383

Ion Ratio Lower Upper

180 100

182 95.5 48.1 144.3

145 29.4 15.0 45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

