

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065341.D
 Acq On : 27 Feb 2020 11:50
 Operator : VA/SY
 Sample : VD0227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 28 00:34:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	473499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	708662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	640556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	204943	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.92	113	218436	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.34	98	859362	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.64	95	273758	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	73217	18.436	ug/l 93
3) Chloromethane	2.21	50	97363	19.261	ug/l 99
4) Vinyl Chloride	2.35	62	98383	19.140	ug/l 98
5) Bromomethane	2.76	94	62338	20.058	ug/l 99
6) Chloroethane	2.93	64	62034	19.771	ug/l 97
7) Trichlorofluoromethane	3.27	101	148418	20.168	ug/l 97
8) Diethyl Ether	3.71	74	45179	20.338	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99515	21.414	ug/l 99
10) Methyl Iodide	4.30	142	98648	20.444	ug/l 100
11) Tert butyl alcohol	5.25	59	24287	95.415	ug/l 97
12) 1,1-Dichloroethene	4.07	96	91905	20.935	ug/l 98
13) Acrolein	3.93	56	34500	92.184	ug/l 98
14) Allyl chloride	4.72	41	143328	20.105	ug/l 98
15) Acrylonitrile	5.43	53	97557	99.196	ug/l 100
16) Acetone	4.16	43	85838	82.436	ug/l 99
17) Carbon Disulfide	4.40	76	286731	19.481	ug/l 99
18) Methyl Acetate	4.73	43	50512	21.569	ug/l 99
19) Methyl tert-butyl Ether	5.49	73	180938	19.764	ug/l 97
20) Methylene Chloride	4.96	84	108508	20.708	ug/l 91
21) trans-1,2-Dichloroethene	5.47	96	105373	21.114	ug/l 92
22) Diisopropyl ether	6.37	45	287979	20.954	ug/l 99
23) Vinyl Acetate	6.31	43	714445	94.297	ug/l 100
24) 1,1-Dichloroethane	6.27	63	176985	20.762	ug/l 97
25) 2-Butanone	7.23	43	117608	89.271	ug/l 97
26) 2,2-Dichloropropane	7.21	77	152316	20.594	ug/l 100
27) cis-1,2-Dichloroethene	7.22	96	109560	20.725	ug/l 99
28) Bromochloromethane	7.56	49	55862	17.664	ug/l 98
29) Tetrahydrofuran	7.57	42	75424	97.711	ug/l 99
30) Chloroform	7.71	83	177636	20.684	ug/l 96
31) Cyclohexane	7.99	56	167642	20.016	ug/l 96
32) 1,1,1-Trichloroethane	7.91	97	162688	21.173	ug/l 99
36) 1,1-Dichloropropene	8.11	75	146050	21.181	ug/l 100
37) Ethyl Acetate	7.30	43	56211	19.500	ug/l 99
38) Carbon Tetrachloride	8.10	117	148022	21.088	ug/l 96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165490	20.415	ug/l	99
40) Benzene	8.36	78	402336	20.672	ug/l	97
41) Methacrylonitrile	7.53	41	28422	17.077	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	106808	19.962	ug/l	100
43) Isopropyl Acetate	8.46	43	99301	18.944	ug/l	98
44) Trichloroethene	9.11	130	114854	21.289	ug/l	96
45) 1,2-Dichloropropane	9.39	63	99774	20.616	ug/l	99
46) Dibromomethane	9.48	93	51643	20.740	ug/l	99
47) Bromodichloromethane	9.67	83	135196	20.602	ug/l	95
48) Methyl methacrylate	9.46	41	47051	19.419	ug/l	95
49) 1,4-Dioxane	9.46	88	10985	376.140	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	255587	95.999	ug/l	99
52) Toluene	10.41	92	262497	21.789	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	124034	20.392	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	148858	20.267	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	71566	20.420	ug/l	98
56) Ethyl methacrylate	10.67	69	78438	19.390	ug/l	97
57) 1,3-Dichloropropane	10.95	76	122303	20.503	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	118743	93.106	ug/l	100
59) 2-Hexanone	10.99	43	180113	94.505	ug/l	100
60) Dibromochloromethane	11.14	129	91146	20.319	ug/l	96
61) 1,2-Dibromoethane	11.25	107	67349	20.296	ug/l	99
64) Tetrachloroethene	10.88	164	97731	21.512	ug/l	97
65) Chlorobenzene	11.67	112	272640	21.210	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	101440	21.147	ug/l	99
67) Ethyl Benzene	11.75	91	476855	21.181	ug/l	98
68) m/p-Xylenes	11.86	106	370392	43.002	ug/l	100
69) o-Xylene	12.19	106	160486	21.031	ug/l	100
70) Styrene	12.20	104	292202	21.567	ug/l	99
71) Bromoform	12.37	173	54389	20.433	ug/l #	100
73) Isopropylbenzene	12.48	105	445051	21.045	ug/l	99
74) N-amyl acetate	12.30	43	90529	19.265	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	78041	20.447	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	99789	36.717	ug/l #	100
77) Bromobenzene	12.77	156	110845	21.108	ug/l	98
78) n-propylbenzene	12.83	91	547089	21.527	ug/l	100
79) 2-Chlorotoluene	12.91	91	302648	21.258	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	374022	21.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22948	18.231	ug/l	100
82) 4-Chlorotoluene	13.01	91	320456	21.202	ug/l	99
83) tert-Butylbenzene	13.23	119	320663	21.966	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	373525	21.425	ug/l	99
85) sec-Butylbenzene	13.41	105	451503	21.464	ug/l	100
86) p-Isopropyltoluene	13.53	119	410683	21.349	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	211686	20.852	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	208875	20.847	ug/l	99
89) n-Butylbenzene	13.86	91	380210	21.449	ug/l	98
90) Hexachloroethane	14.12	117	80693	20.659	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	181067	20.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.53	75	11449	19.466	ug/l	92

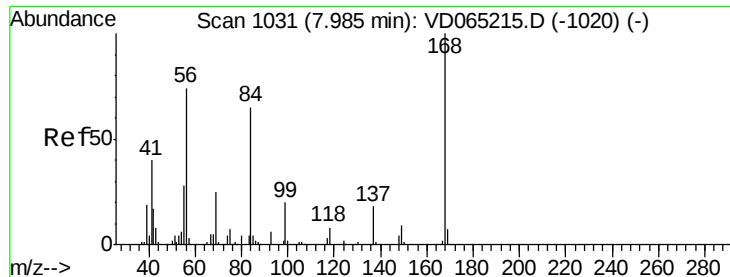
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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	120191	21.080	ug/l	98
94) Hexachlorobutadiene	15.28	225	78401	21.435	ug/l	99
95) Naphthalene	15.42	128	180977	19.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103958	20.876	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

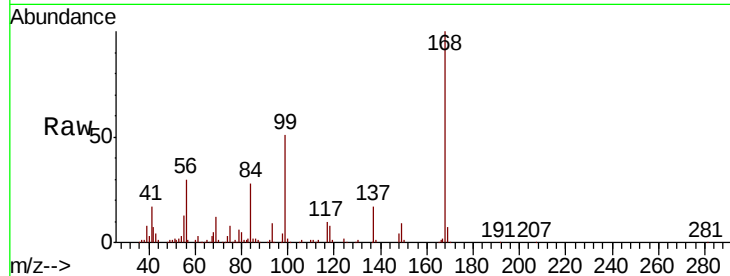
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 473499

Ion Ratio Lower Upper

168 100

99 51.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

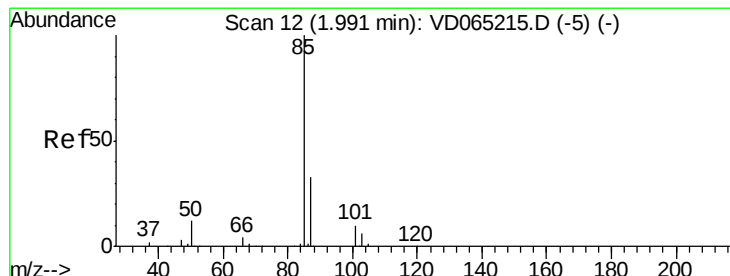
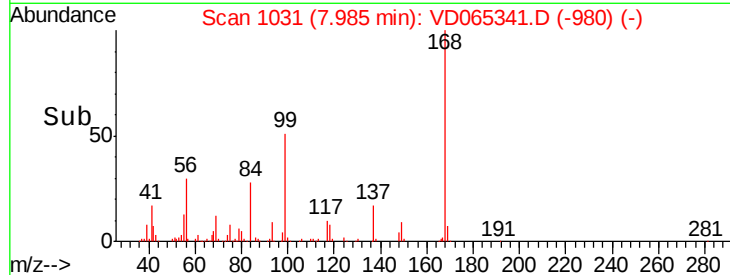
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.436 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065341.D

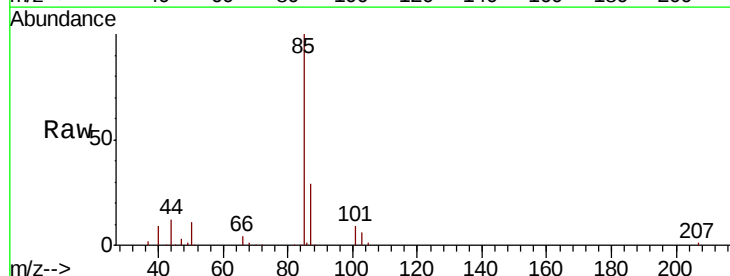
Acq: 27 Feb 2020 11:50

Tgt Ion: 85 Resp: 73217

Ion Ratio Lower Upper

85 100

87 28.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

1.90

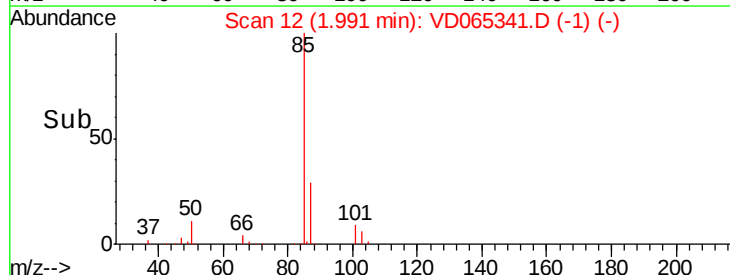
1.95

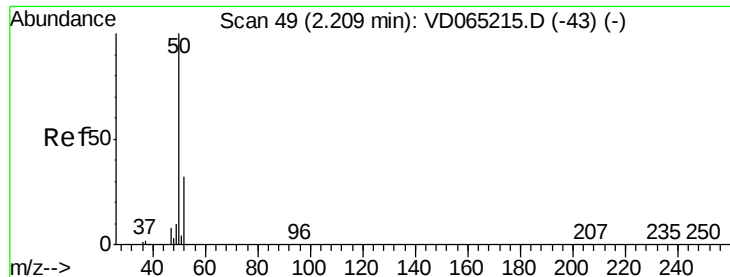
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 19.261 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

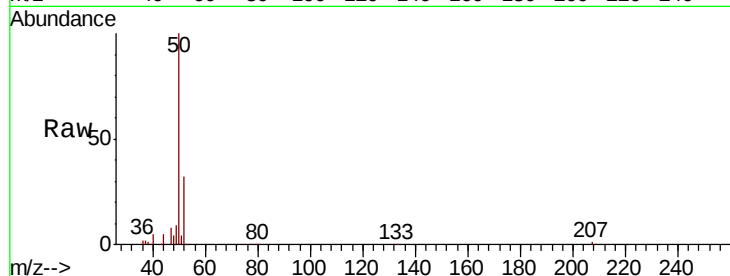
ClientSampleId :

Tot Ion: 50 Resp: 97363

Ion Ratio Lower Upper

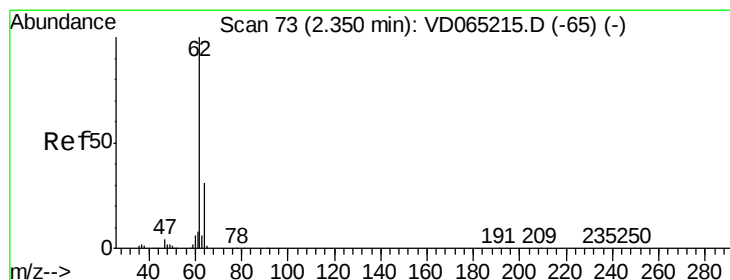
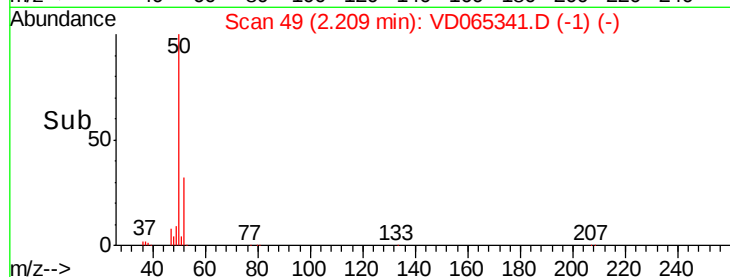
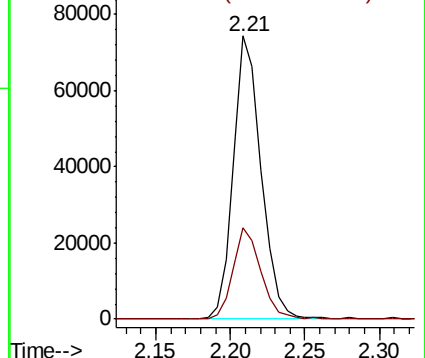
50 100

52 32.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.140 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065341.D

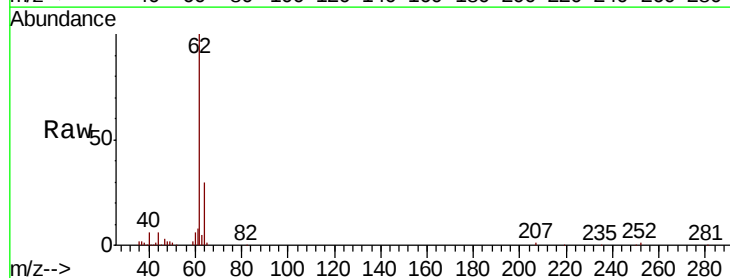
Acq: 27 Feb 2020 11:50

Tgt Ion: 62 Resp: 98383

Ion Ratio Lower Upper

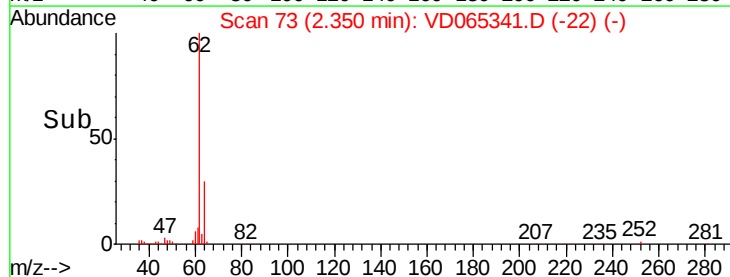
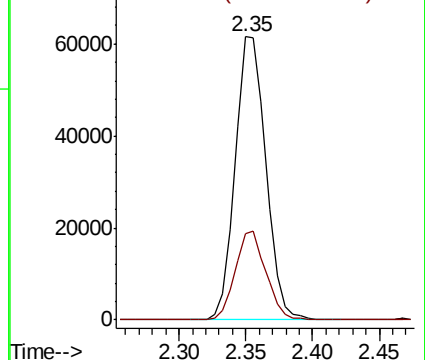
62 100

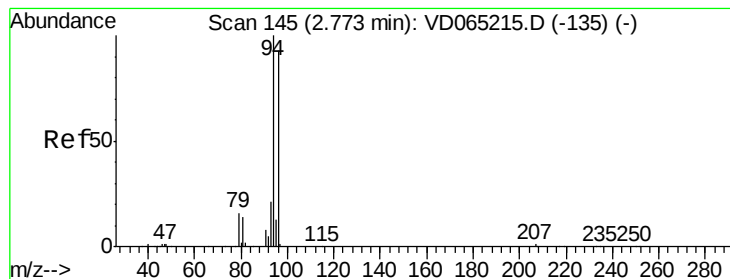
64 30.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.058 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

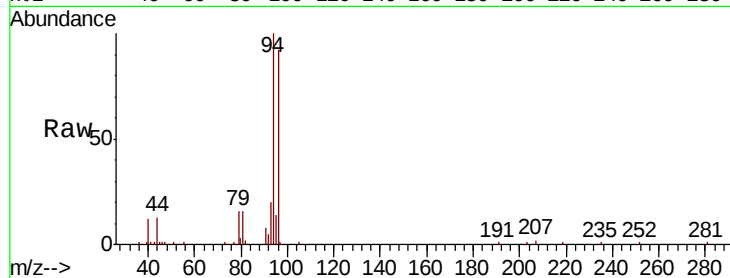
ClientSampleId :

Tot Ion: 94 Resp: 62338

Ion Ratio Lower Upper

94 100

96 91.6 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

25000

20000

15000

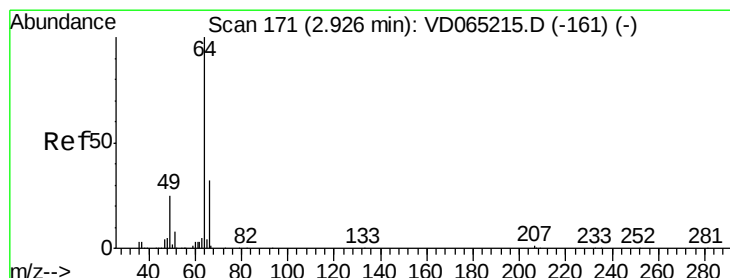
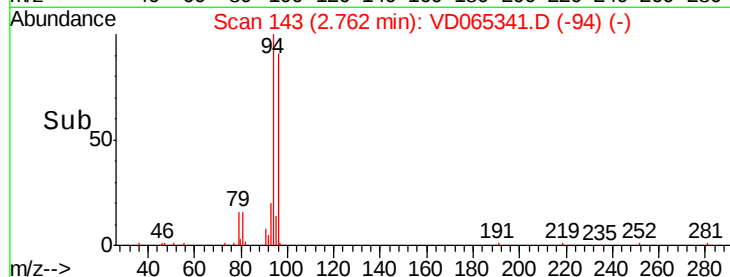
10000

5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.771 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065341.D

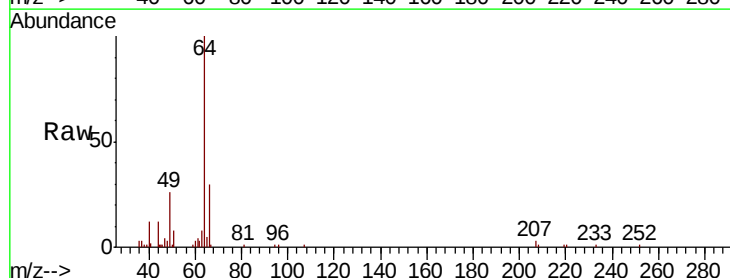
Acq: 27 Feb 2020 11:50

Tgt Ion: 64 Resp: 62034

Ion Ratio Lower Upper

64 100

66 30.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

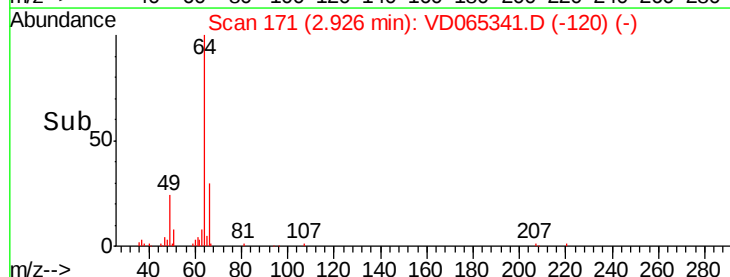
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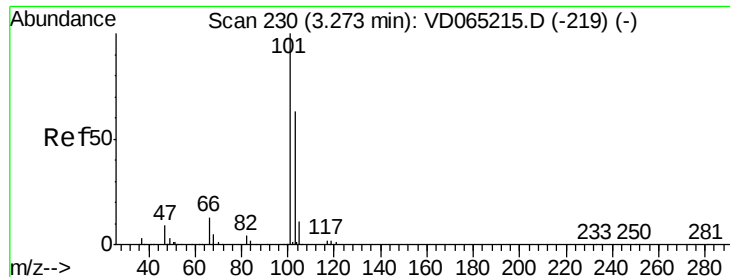
10000

0

Time-->

2.90 3.00



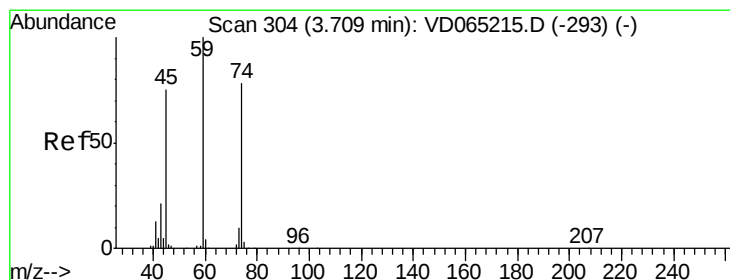
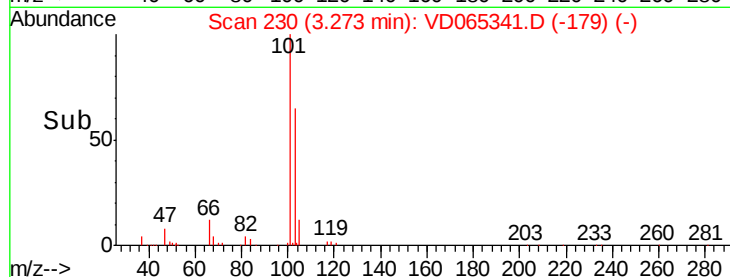
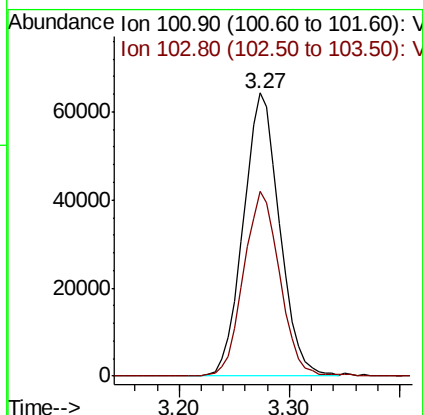
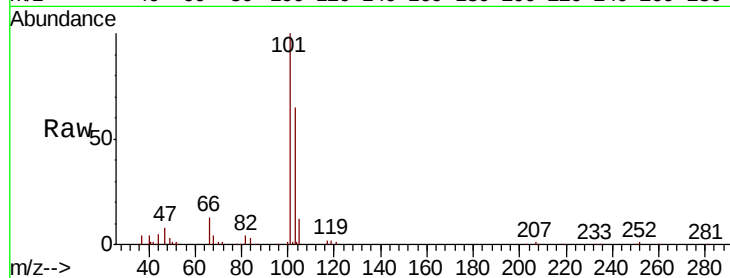


#7

Trichlorofluoromethane
 Concen: 20.168 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :

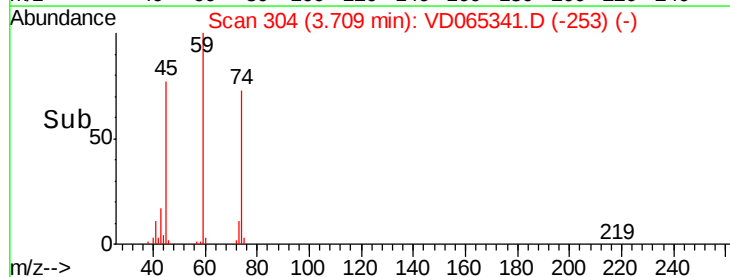
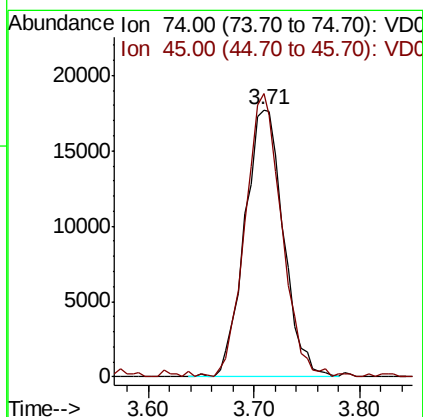
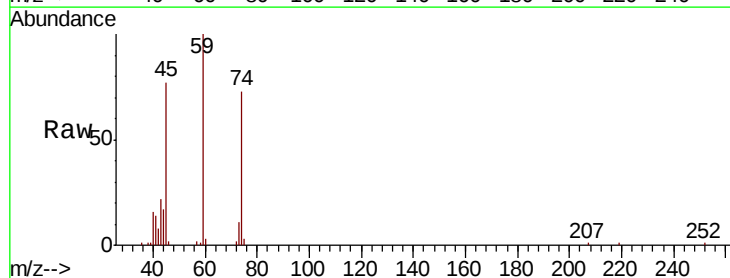
Tot Ion:101 Resp: 148418
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.7 76.1

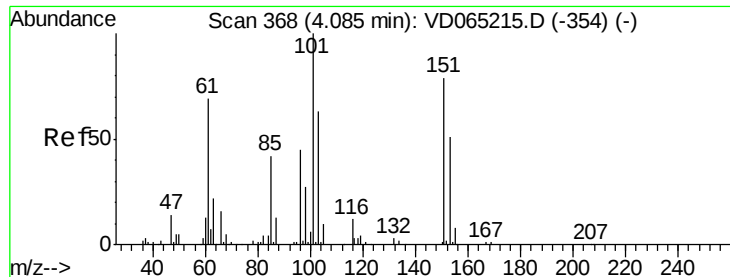


#8

Diethyl Ether
 Concen: 20.338 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion: 74 Resp: 45179
 Ion Ratio Lower Upper
 74 100
 45 100.1 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.414 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

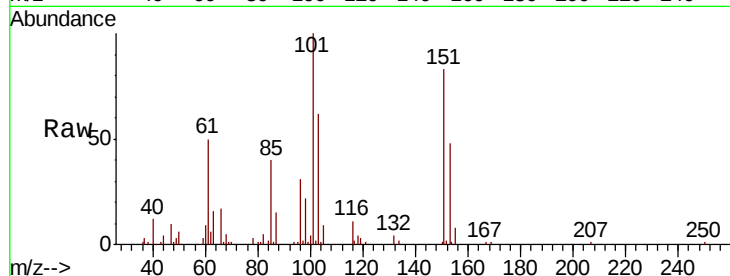
Tot Ion:101 Resp: 99515

Ion Ratio Lower Upper

101 100

85 41.5 34.2 51.2

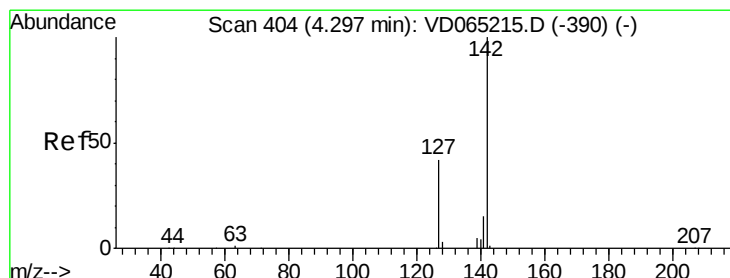
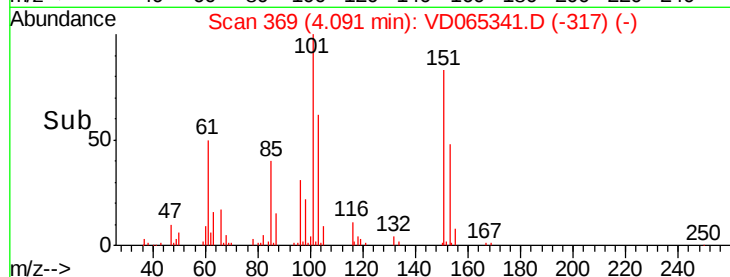
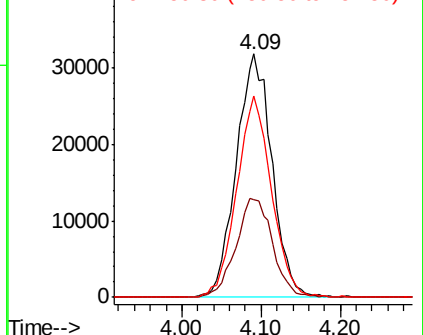
151 80.2 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.444 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

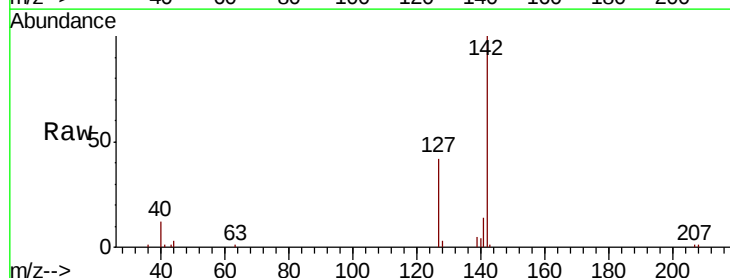
Tgt Ion:142 Resp: 98648

Ion Ratio Lower Upper

142 100

127 42.1 33.8 50.8

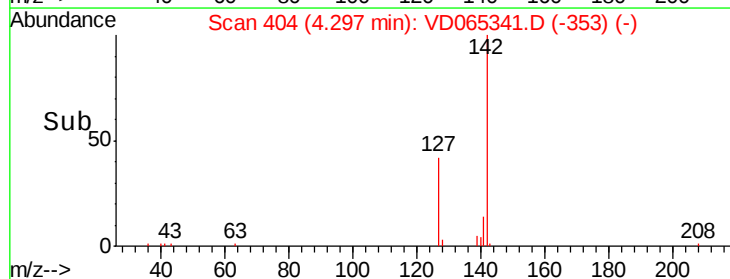
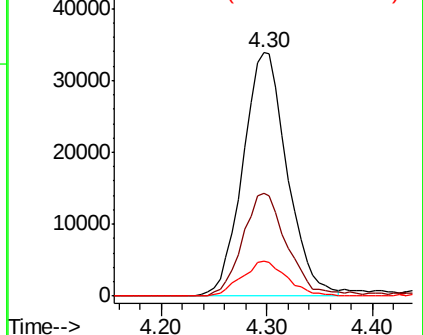
141 14.5 11.7 17.5

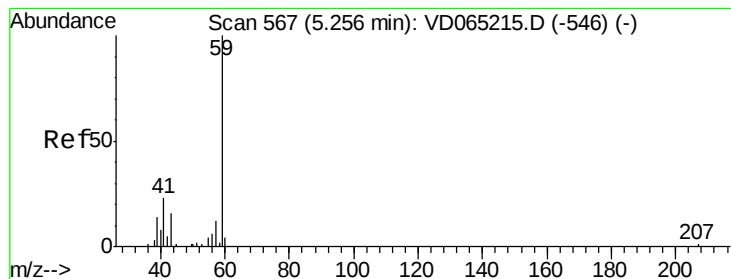


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



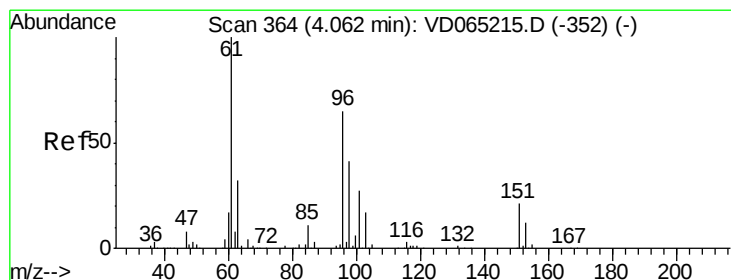
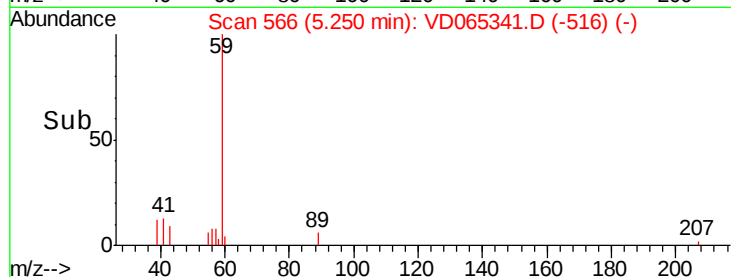
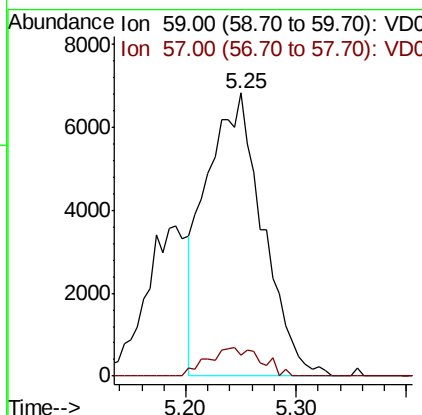
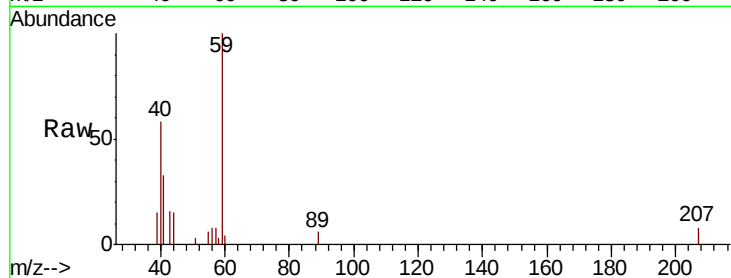


#11

Tert butyl alcohol
 Concen: 95.415 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :

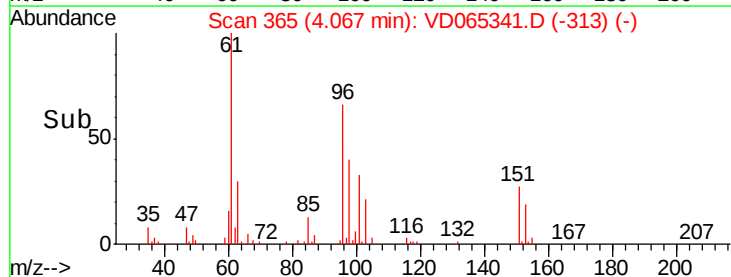
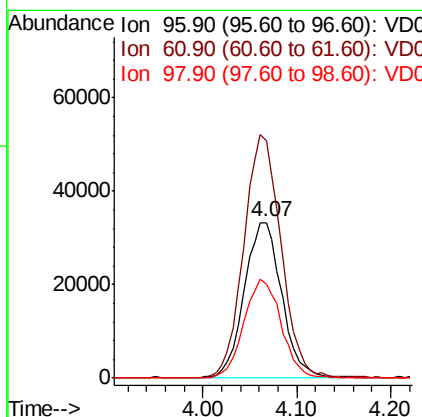
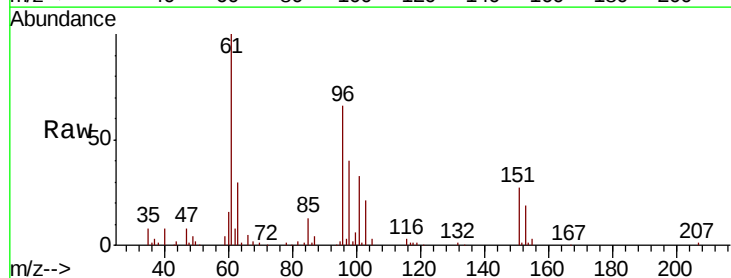
Tot Ion: 59 Resp: 24287
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.4 12.6



#12

1,1-Dichloroethene
 Concen: 20.935 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion: 96 Resp: 91905
 Ion Ratio Lower Upper
 96 100
 61 152.3 123.3 184.9
 98 60.2 51.0 76.4





#13

Acrolein

Concen: 92.184 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

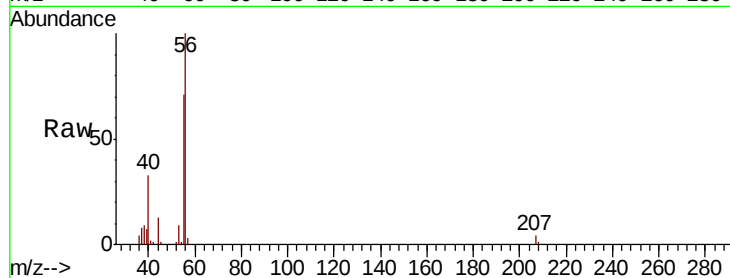
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 34500

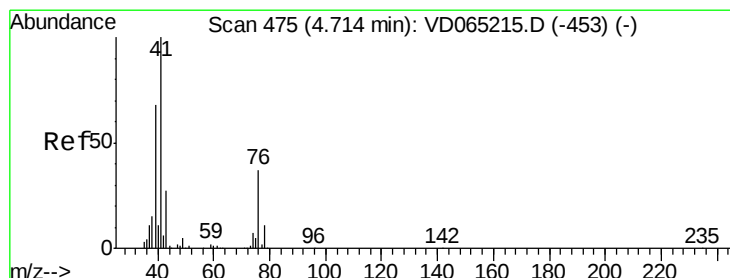
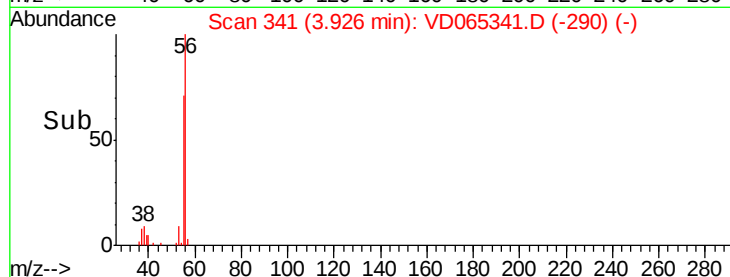
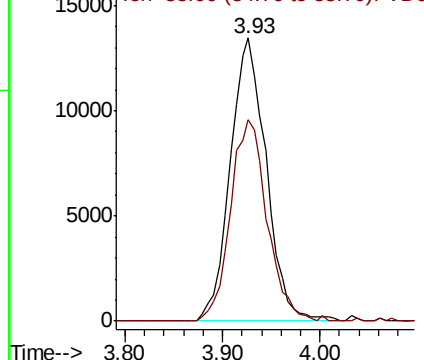
Ion Ratio Lower Upper

56 100

55 72.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.105 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

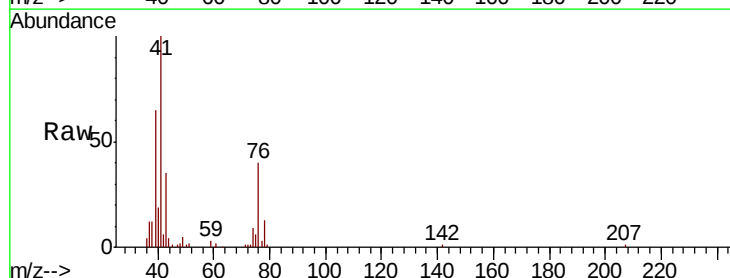
Tgt Ion: 41 Resp: 143328

Ion Ratio Lower Upper

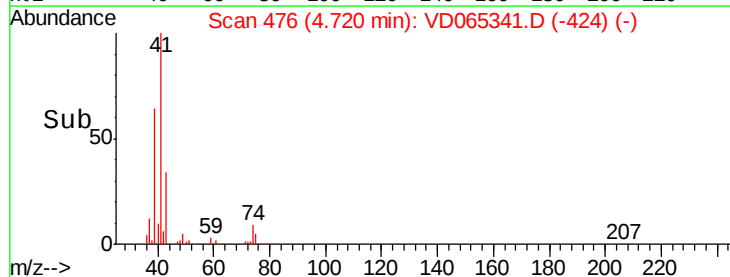
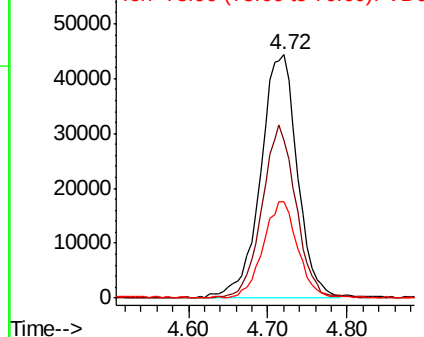
41 100

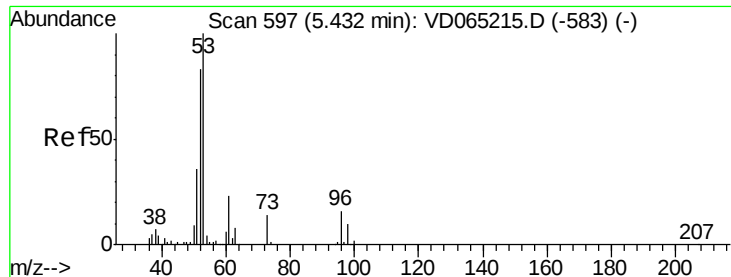
39 65.6 53.8 80.6

76 37.3 28.7 43.1



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 99.196 ug/l

RT: 5.43 min Scan# 597

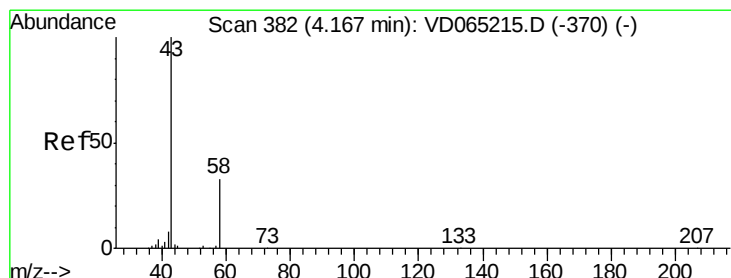
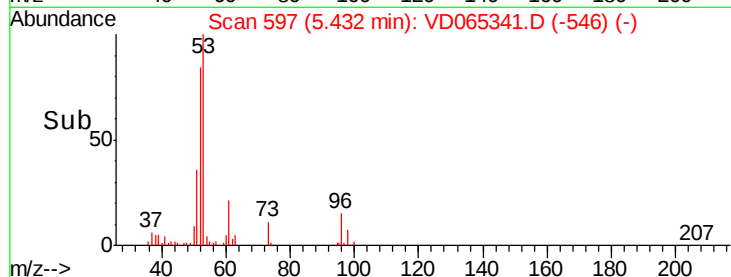
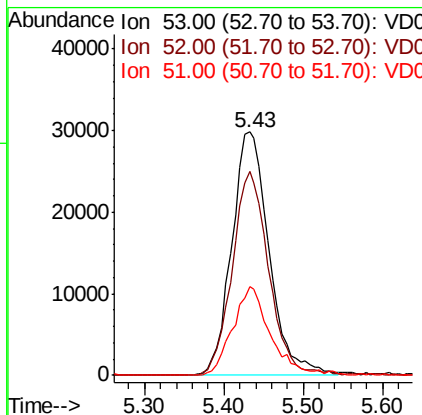
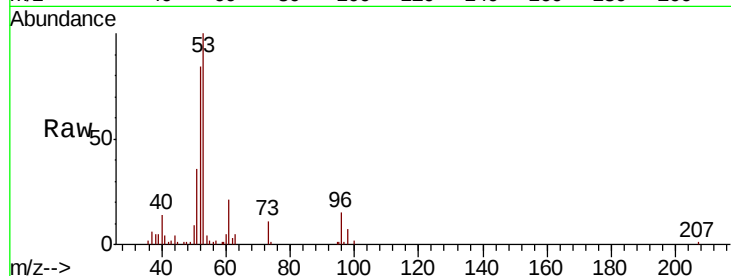
Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	53	Resp:	97557
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.4	98.2
51	36.2	29.5	44.3



#16

Acetone

Concen: 82.436 ug/l

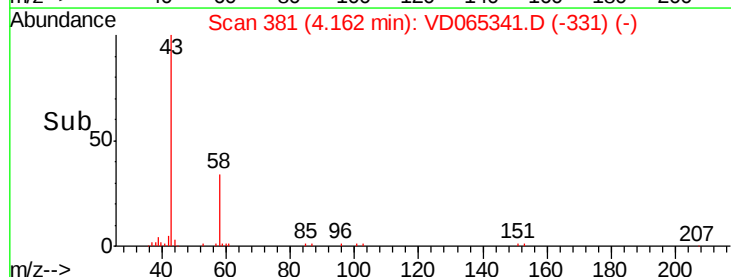
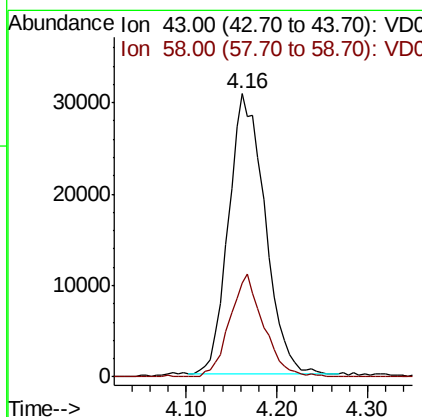
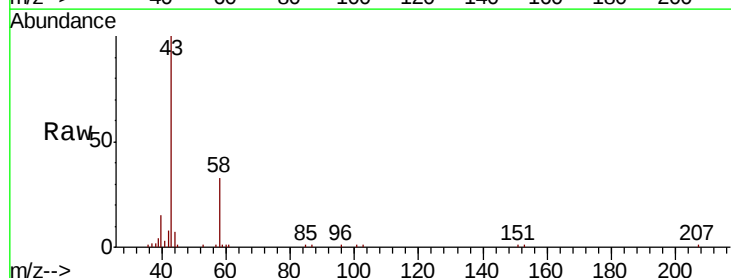
RT: 4.16 min Scan# 381

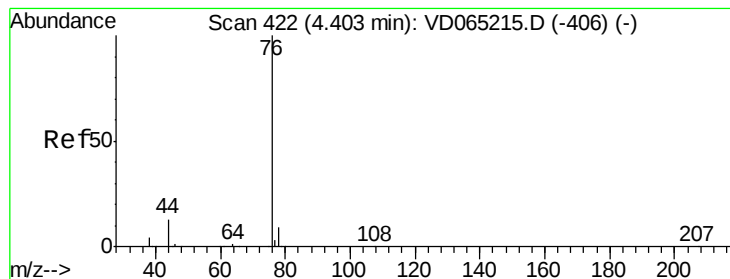
Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion:	43	Resp:	85838
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.2	39.2





#17

Carbon Disulfide

Concen: 19.481 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

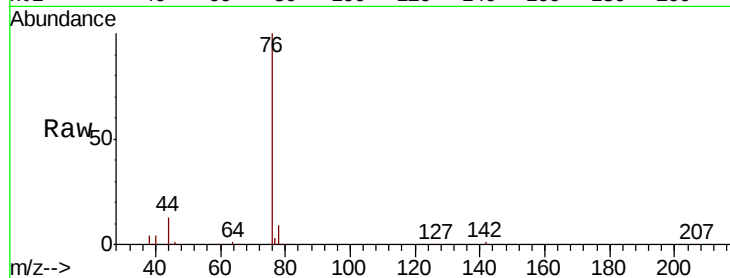
ClientSampled :

Tot Ion: 76 Resp: 286731

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

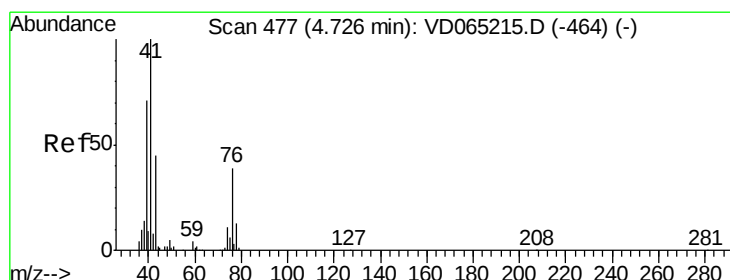
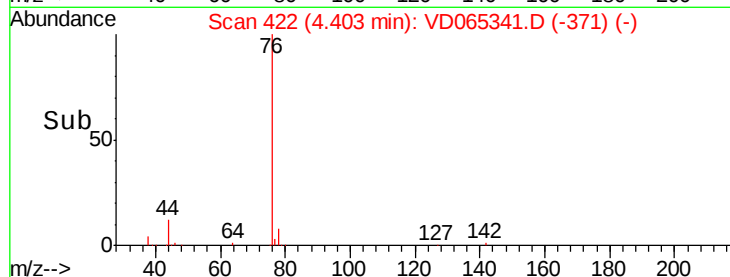
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.569 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065341.D

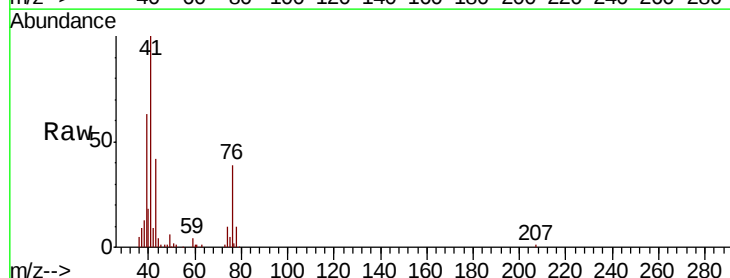
Acq: 27 Feb 2020 11:50

Tgt Ion: 43 Resp: 50512

Ion Ratio Lower Upper

43 100

74 24.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

20000

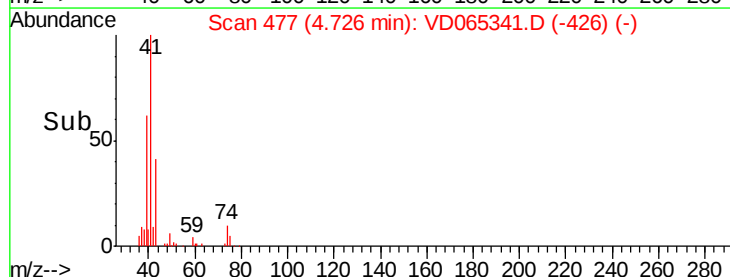
15000

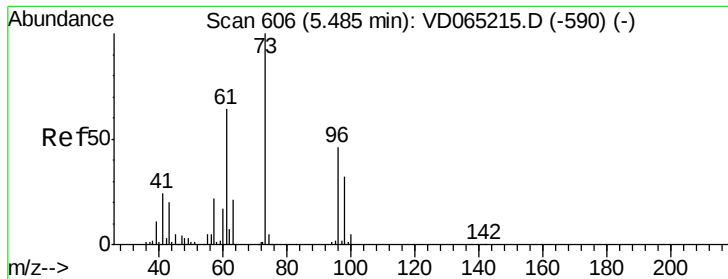
10000

5000

0

Time-->



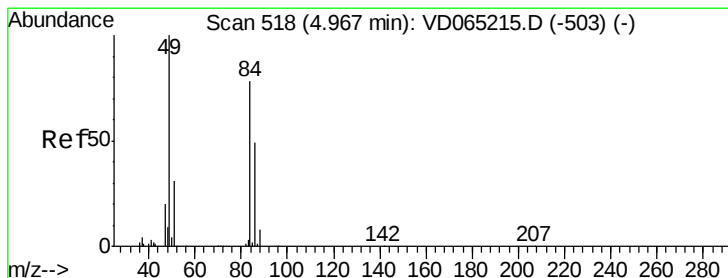
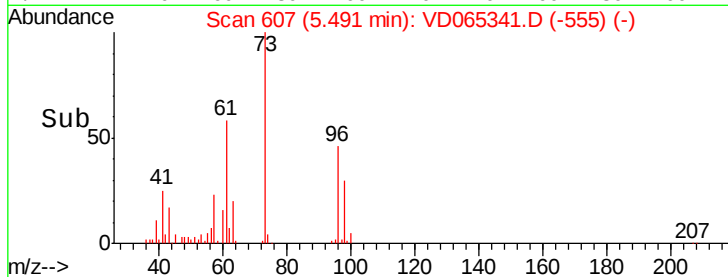
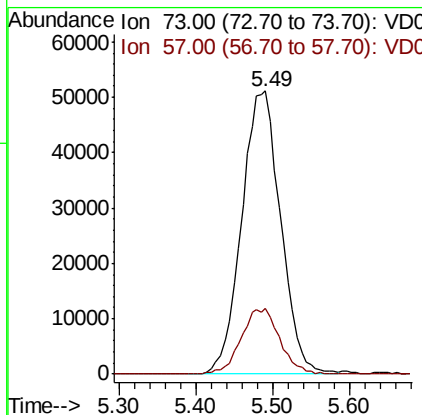
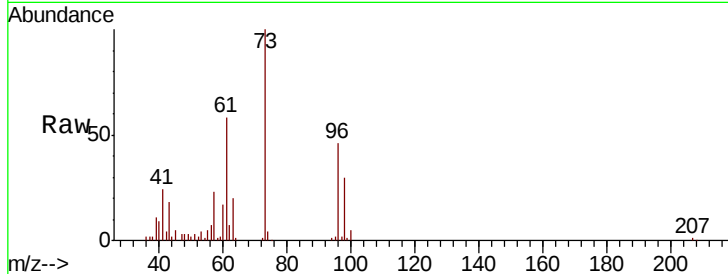


#19

Methyl tert-butyl Ether
 Concen: 19.764 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :

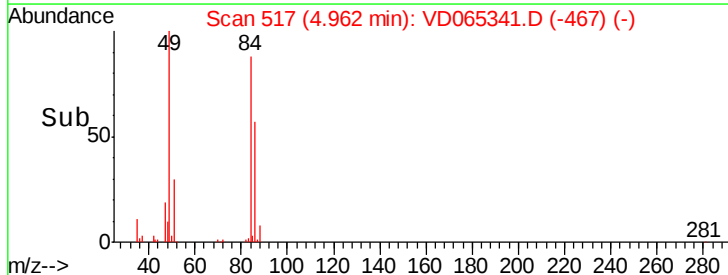
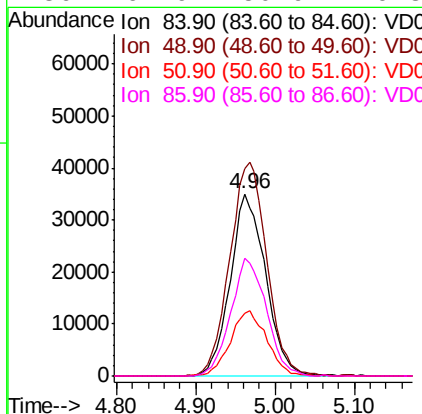
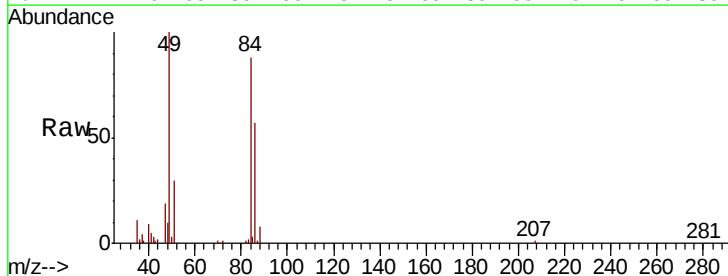
Tot Ion: 73 Resp: 180938
 Ion Ratio Lower Upper
 73 100
 57 23.3 17.3 25.9

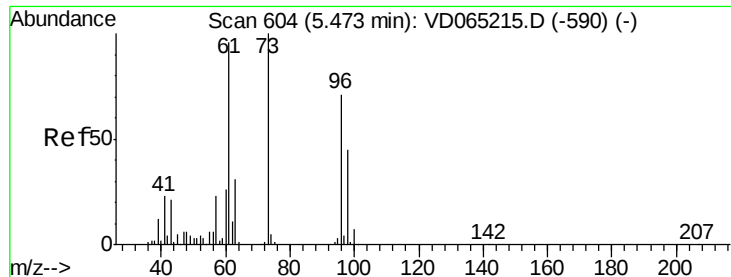


#20

Methylene Chloride
 Concen: 20.708 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion: 84 Resp: 108508
 Ion Ratio Lower Upper
 84 100
 49 113.8 103.1 154.7
 51 34.2 31.7 47.5
 86 64.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 21.114 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :

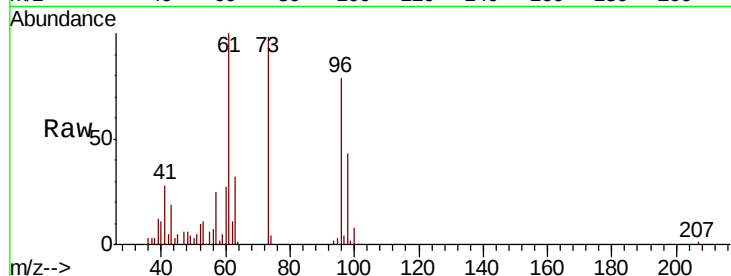
Tot Ion: 96 Resp: 105373

Ion Ratio Lower Upper

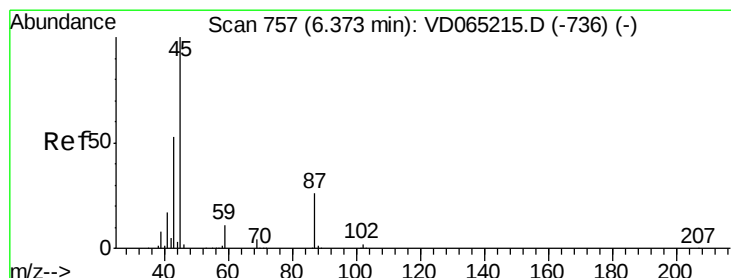
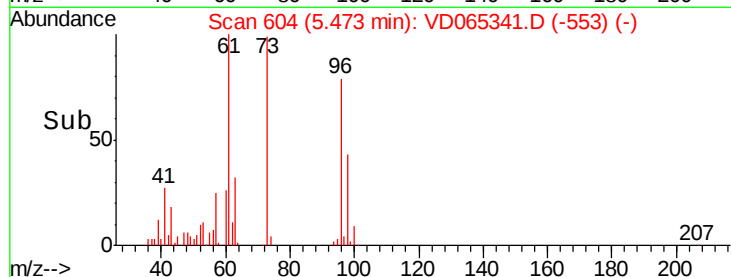
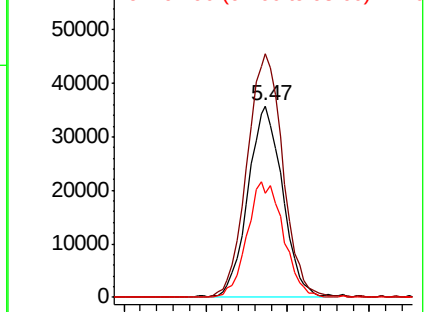
96 100

61 127.4 108.3 162.5

98 54.5 50.7 76.1



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



#22

Diisopropyl ether

Concen: 20.954 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion: 45 Resp: 287979

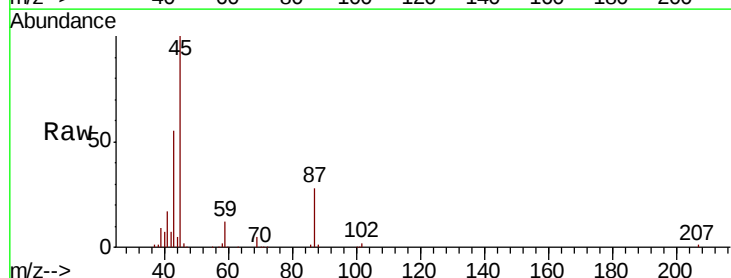
Ion Ratio Lower Upper

45 100

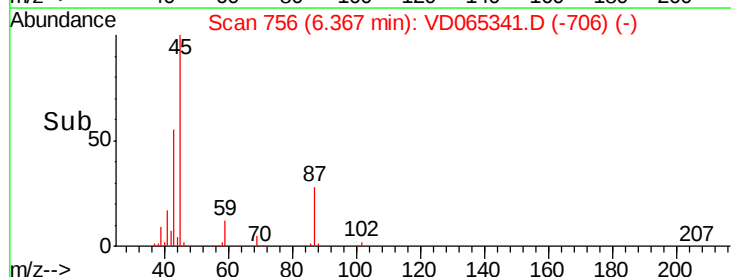
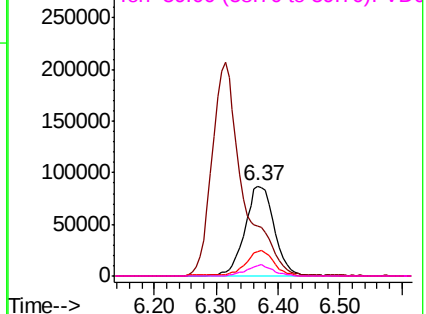
43 54.2 42.6 64.0

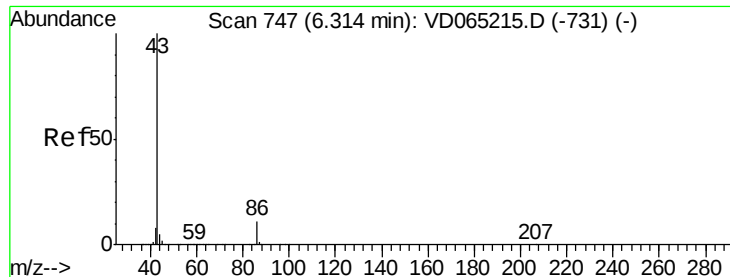
87 27.3 21.2 31.8

59 11.9 8.9 13.3



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: 94.297 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

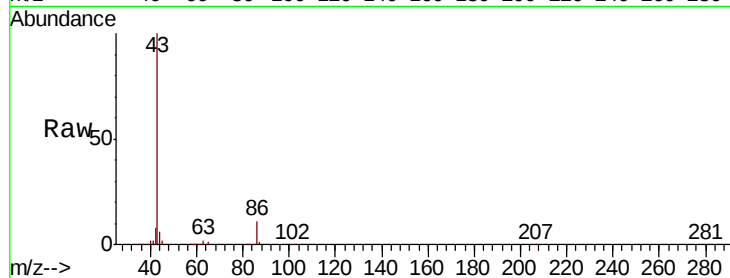
ClientSampleId :

Tot Ion: 43 Resp: 714445

Ion Ratio Lower Upper

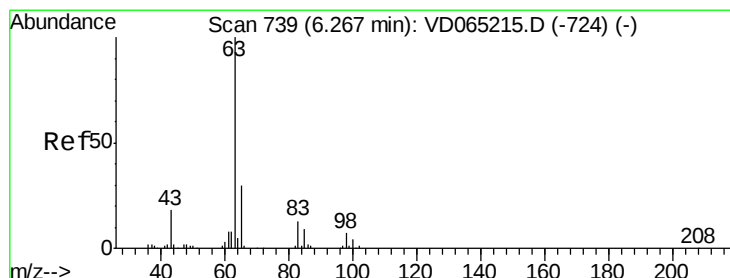
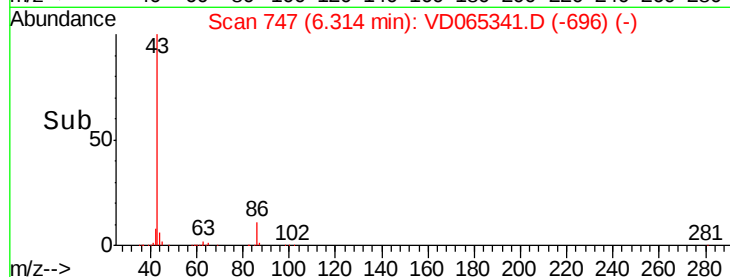
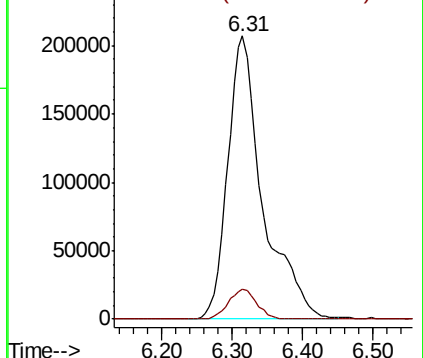
43 100

86 10.6 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.762 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

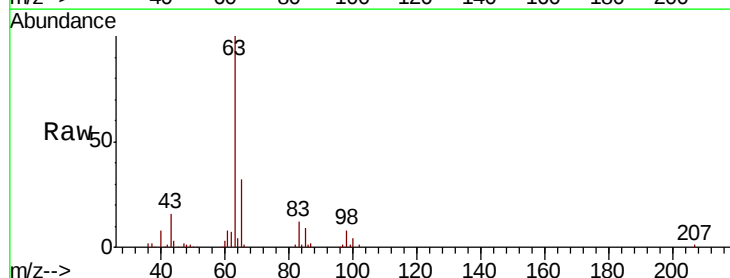
Tgt Ion: 63 Resp: 176985

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

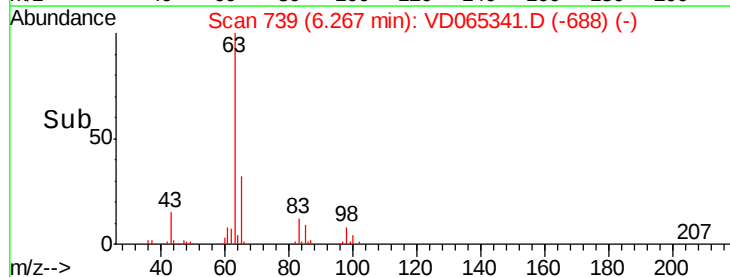
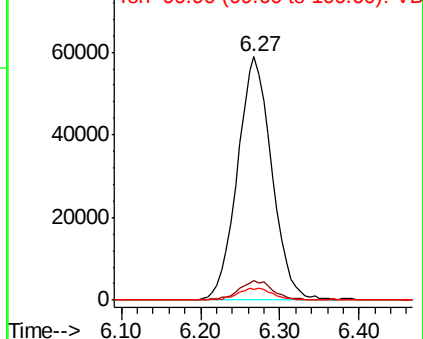
100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 89.271 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

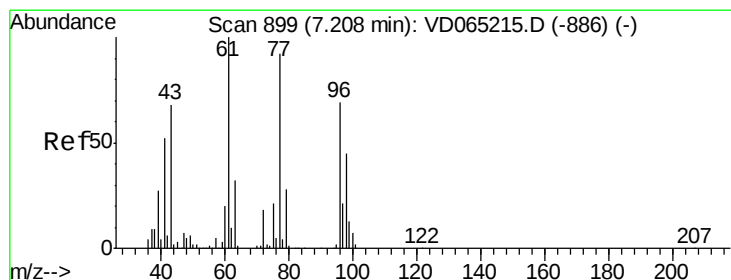
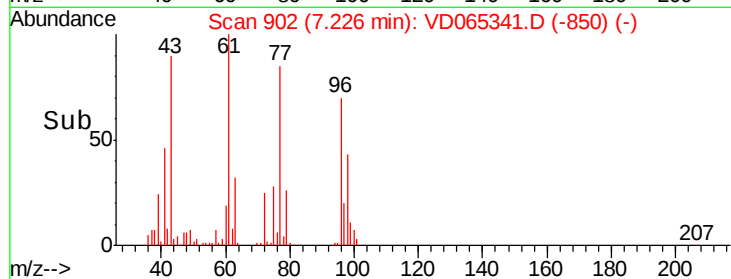
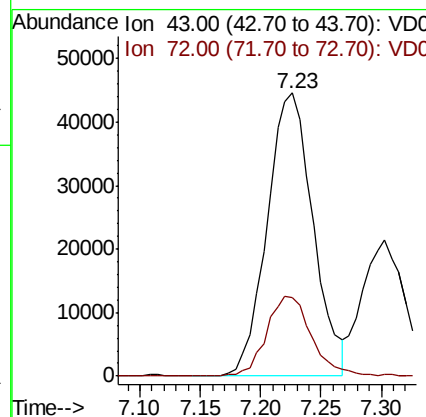
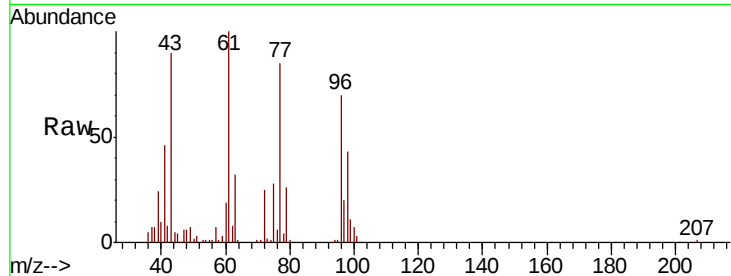
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 117608

Ion Ratio Lower Upper

43 100

72 27.6 20.9 31.3



#26

2,2-Dichloropropane

Concen: 20.594 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065341.D

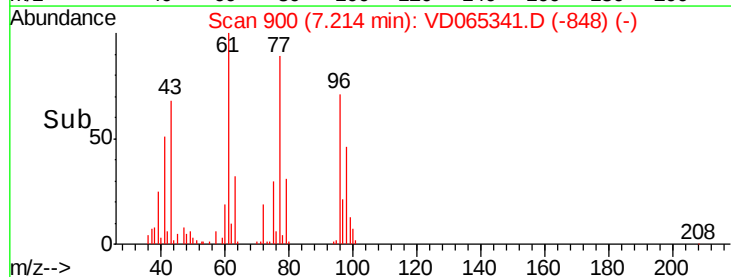
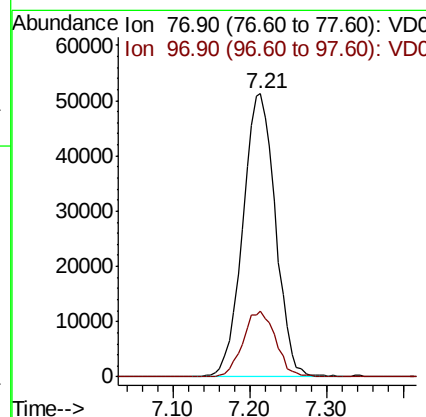
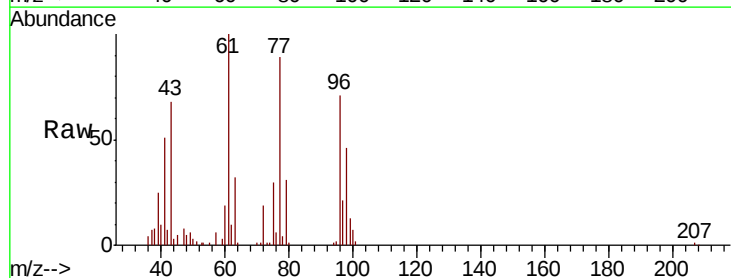
Acq: 27 Feb 2020 11:50

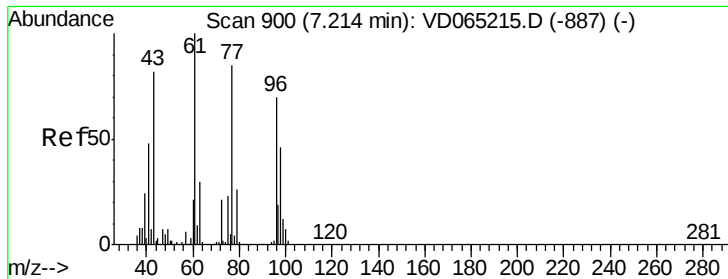
Tgt Ion: 77 Resp: 152316

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1



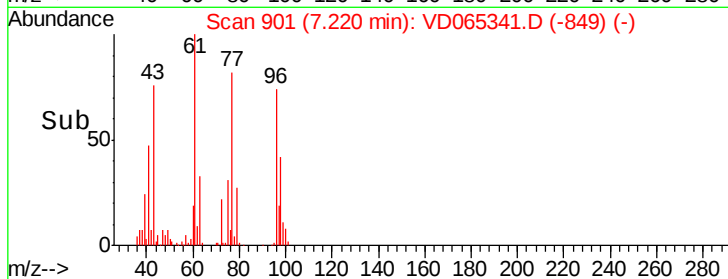
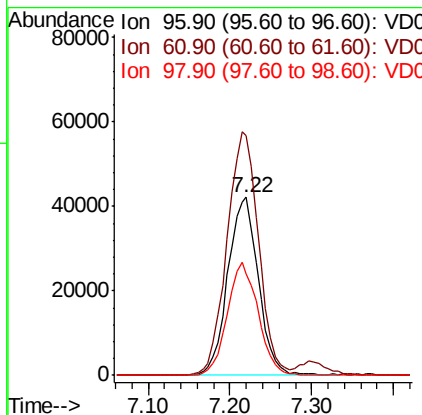
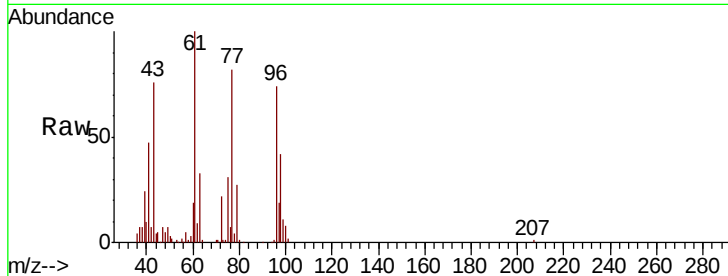


#27

cis-1,2-Dichloroethene
 Concen: 20.725 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleId :

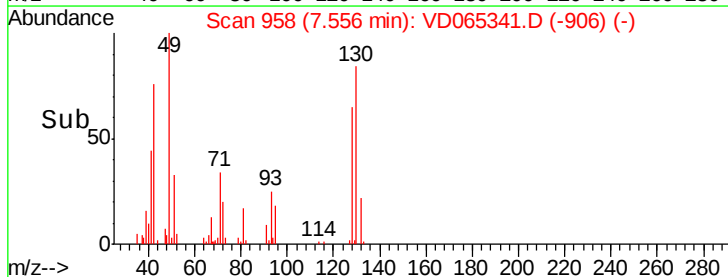
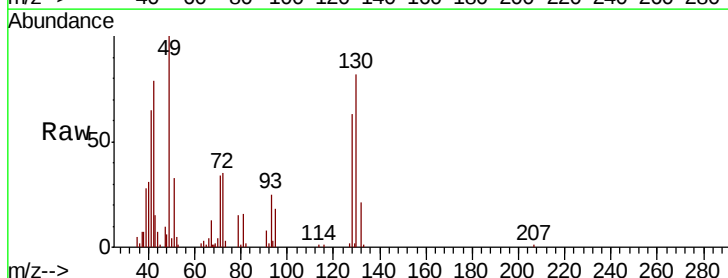
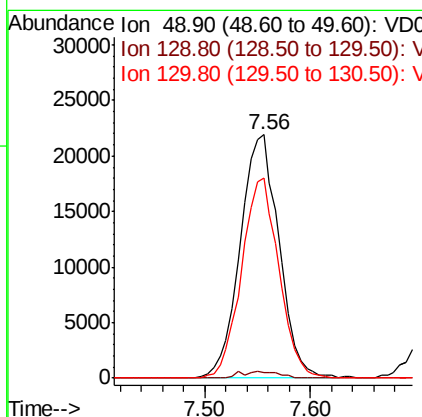
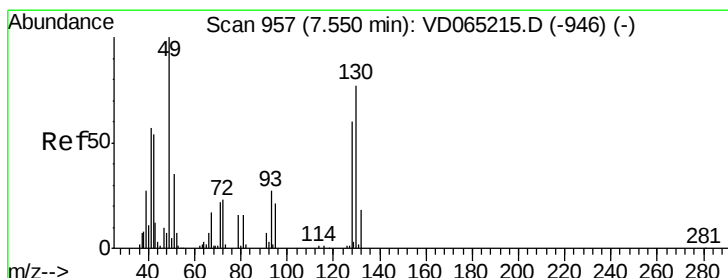
Tot Ion	96	Resp	109560
Ion Ratio	Lower	Upper	
96	100		
61	140.9	0.0	286.0
98	63.8	0.0	127.8

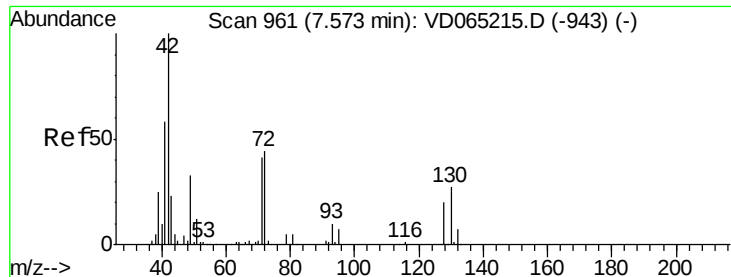


#28

Bromochloromethane
 Concen: 17.664 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion	49	Resp	55862
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	4.6
130	79.2	64.7	97.1

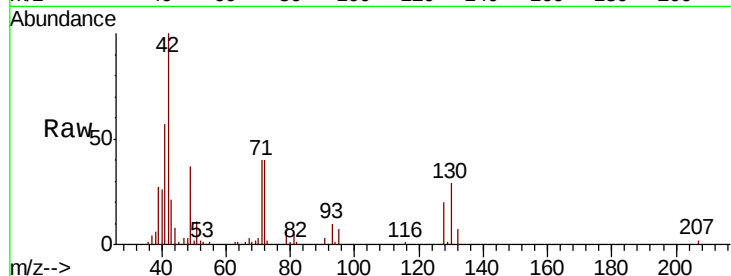




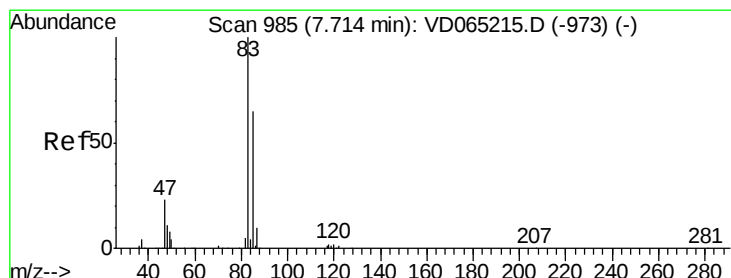
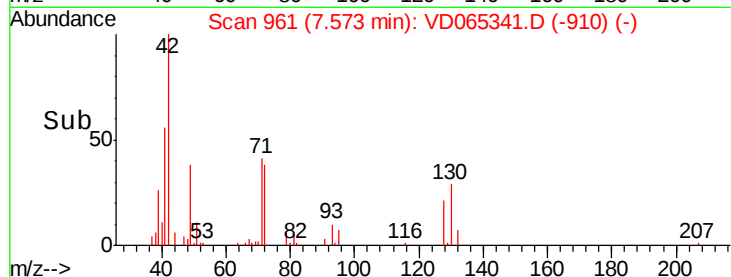
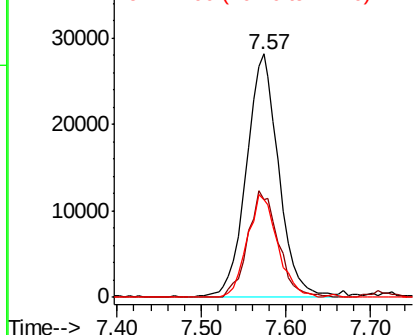
#29
Tetrahydrofuran
Concen: 97.711 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 75424
Ion Ratio Lower Upper
42 100
72 41.0 33.7 50.5
71 39.5 31.4 47.2

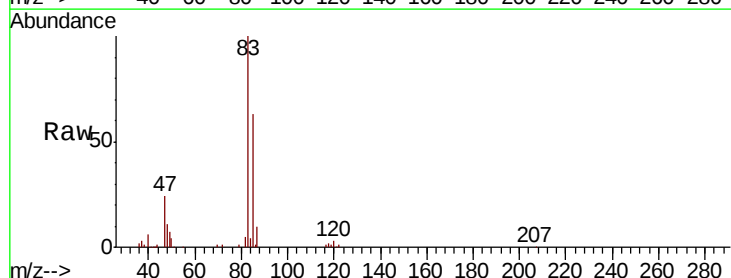


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

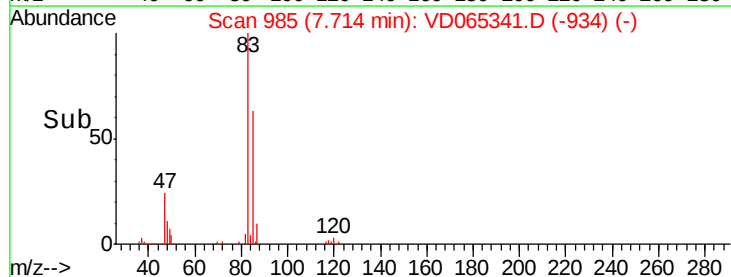
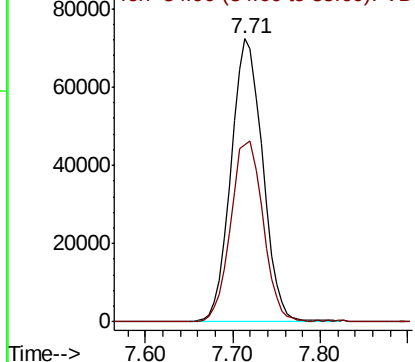


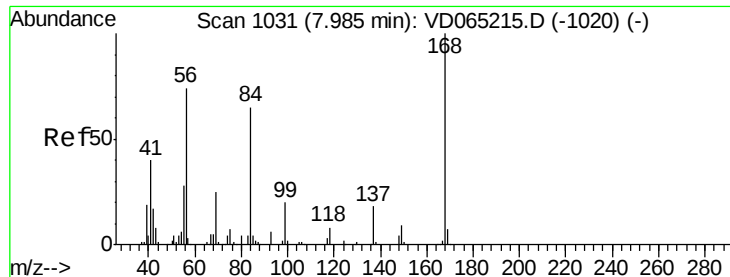
#30
Chloroform
Concen: 20.684 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion: 83 Resp: 177636
Ion Ratio Lower Upper
83 100
85 62.5 52.3 78.5



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

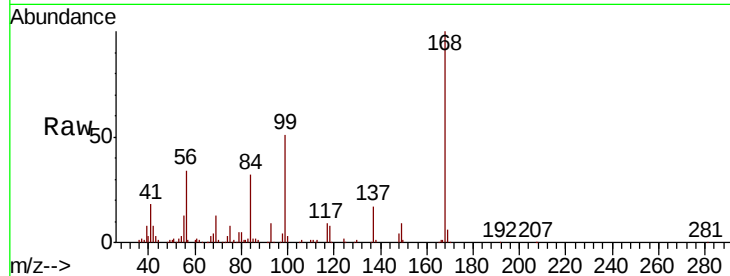




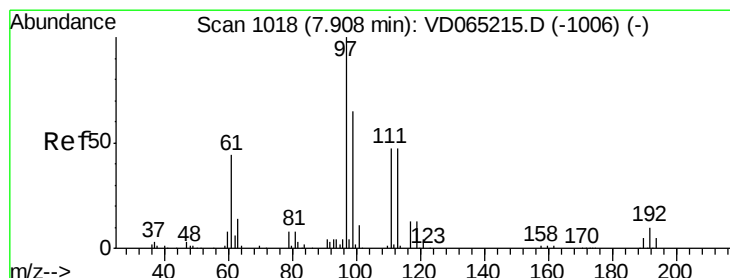
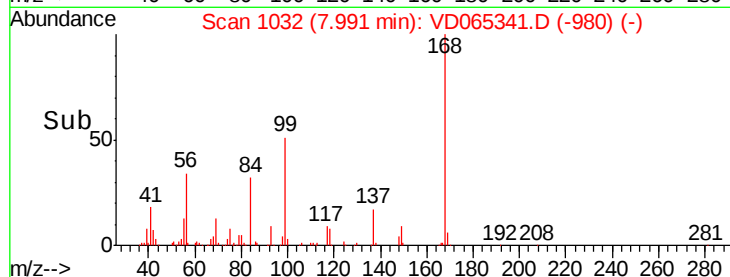
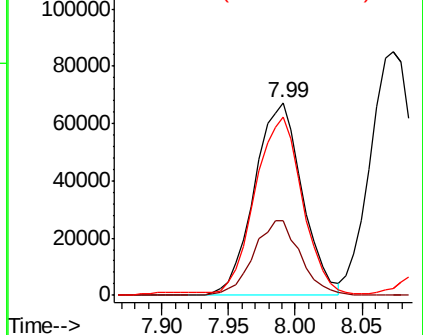
#31
Cyclohexane
Concen: 20.016 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 167642
Ion Ratio Lower Upper
56 100
69 38.6 27.4 41.0
84 91.4 71.1 106.7

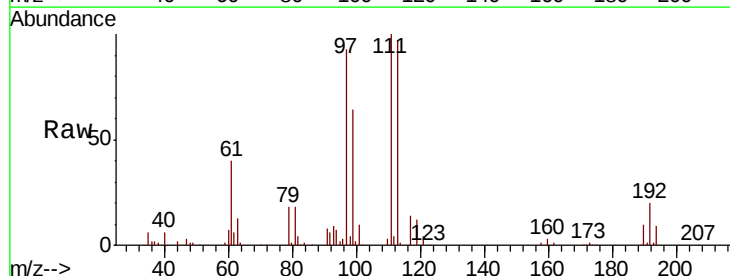


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

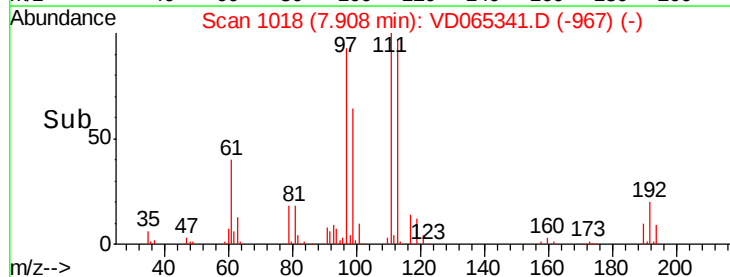
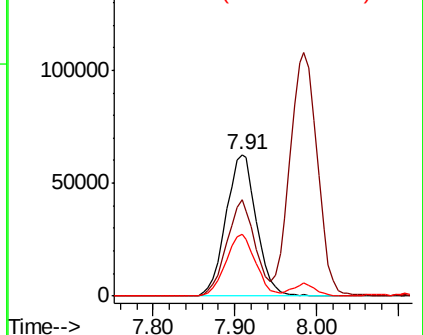


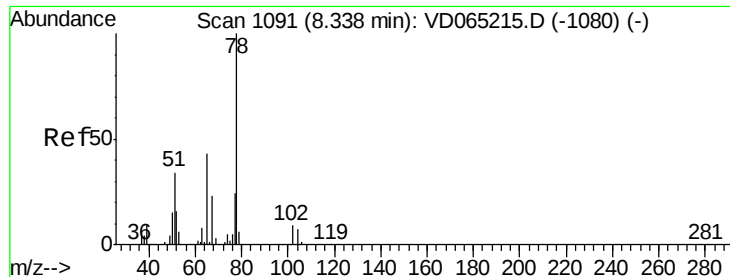
#32
1,1,1-Trichloroethane
Concen: 21.173 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion: 97 Resp: 162688
Ion Ratio Lower Upper
97 100
99 63.4 51.4 77.2
61 42.9 34.8 52.2



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

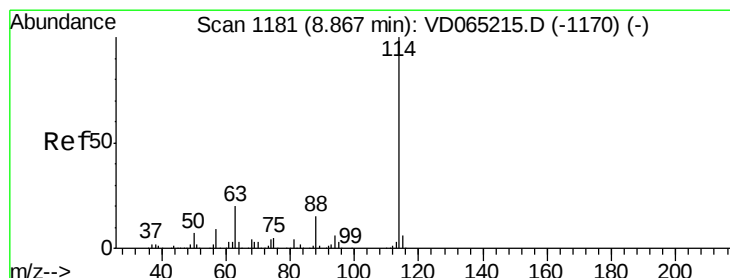
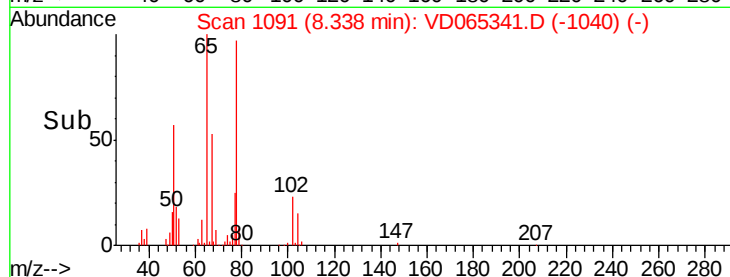
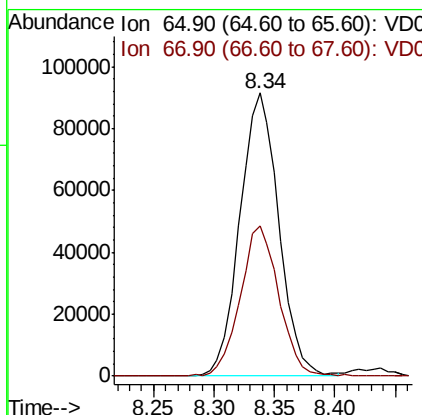
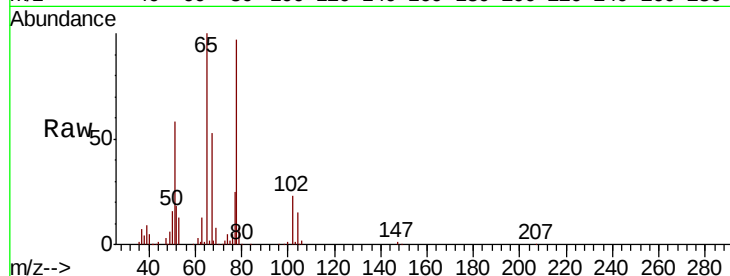




#33
 1,2-Dichloroethane-d4
 Concen: 48.113 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

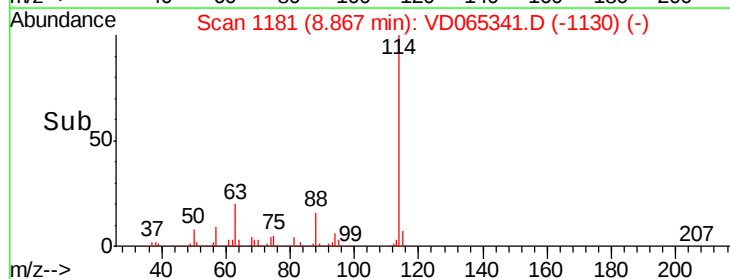
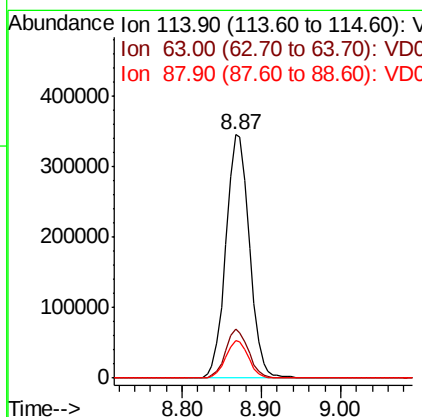
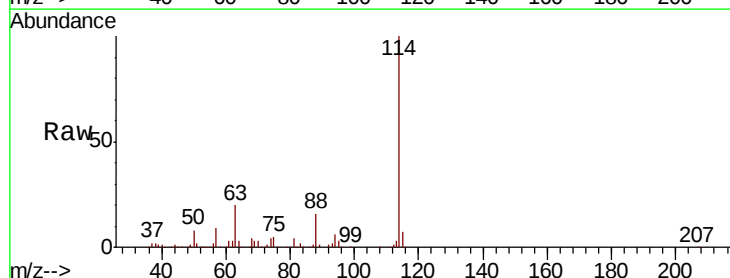
Instrument :
 MSVOA_D
 ClientSampled :

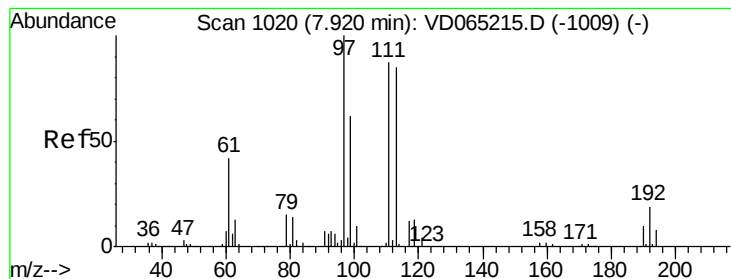
Tot Ion: 65 Resp: 204943
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion: 114 Resp: 708662
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.4
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.552 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

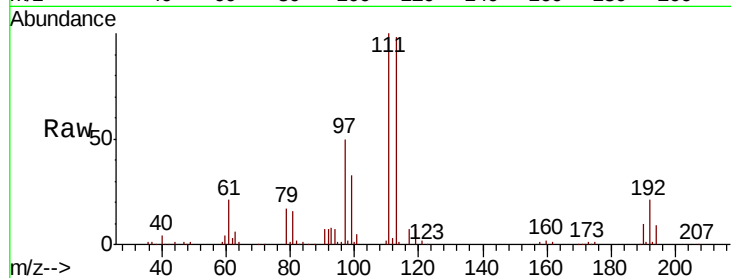
Tot Ion:113 Resp: 218436

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

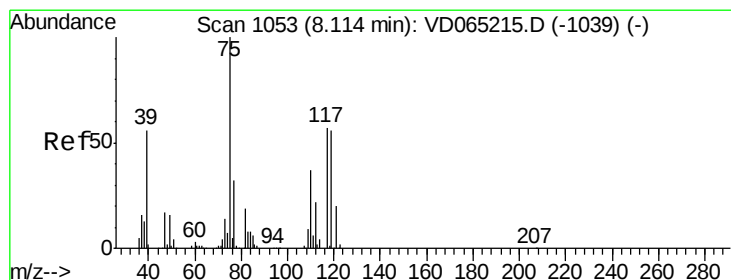
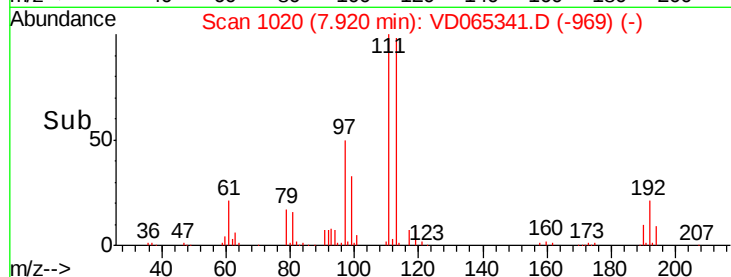
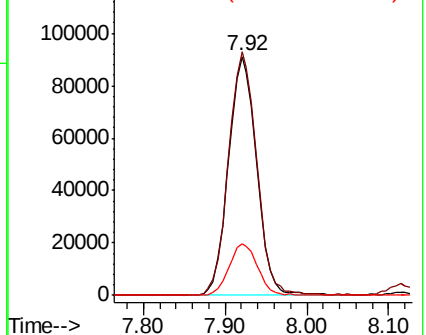
192 21.8 17.3 25.9



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: 21.181 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

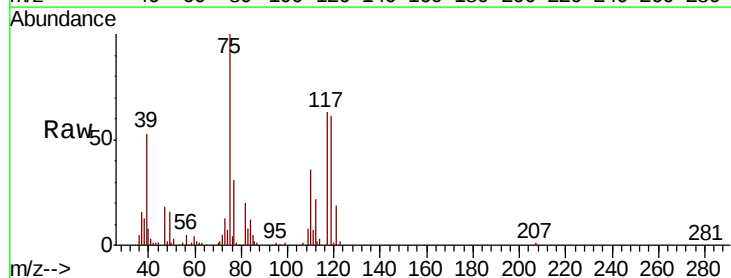
Tgt Ion: 75 Resp: 146050

Ion Ratio Lower Upper

75 100

110 36.0 17.9 53.7

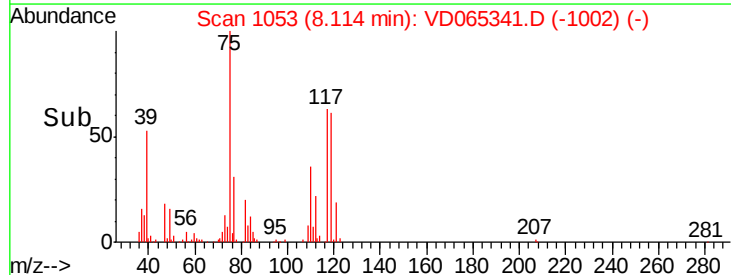
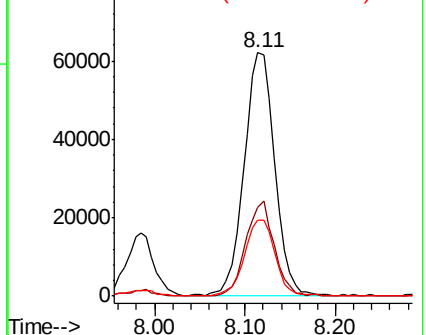
77 31.4 25.1 37.7

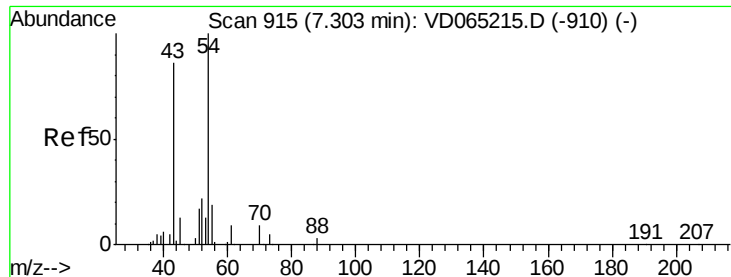


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

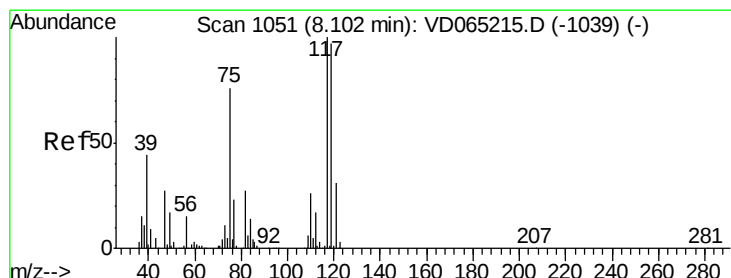
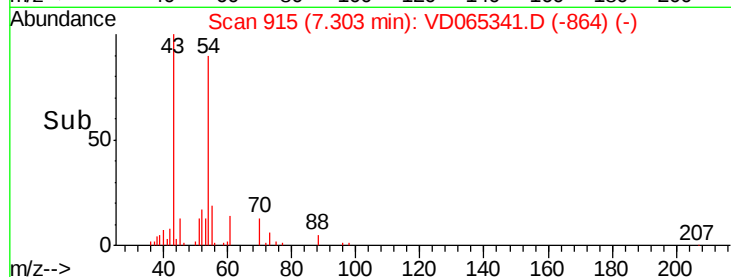
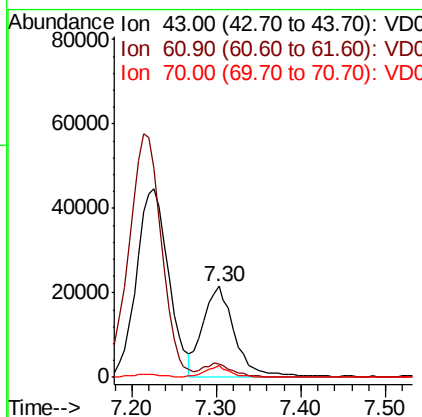
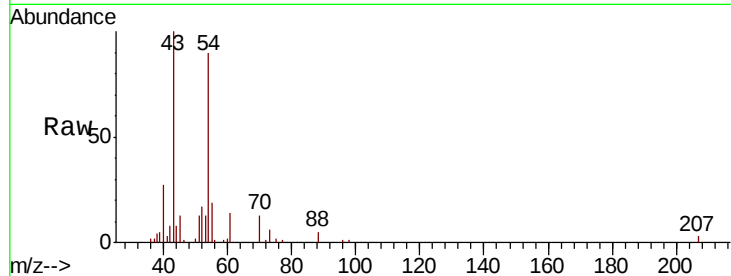




#37
Ethyl Acetate
Concen: 19.500 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

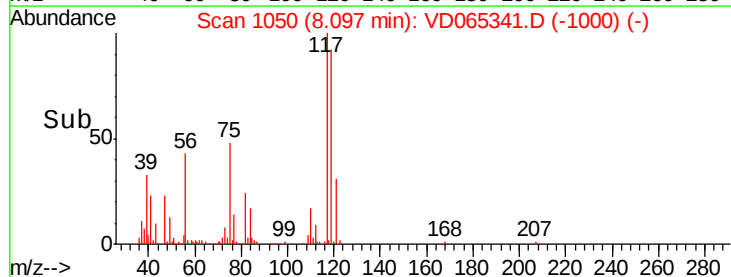
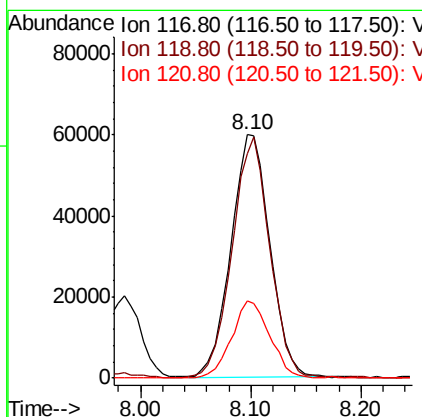
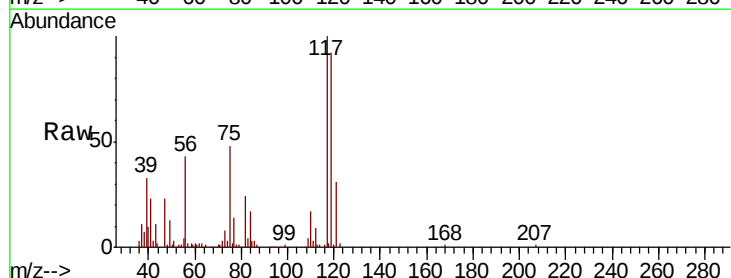
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 56211
Ion Ratio Lower Upper
43 100
61 14.5 11.2 16.8
70 9.9 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.088 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion: 117 Resp: 148022
Ion Ratio Lower Upper
117 100
119 92.0 77.6 116.4
121 31.4 24.8 37.2

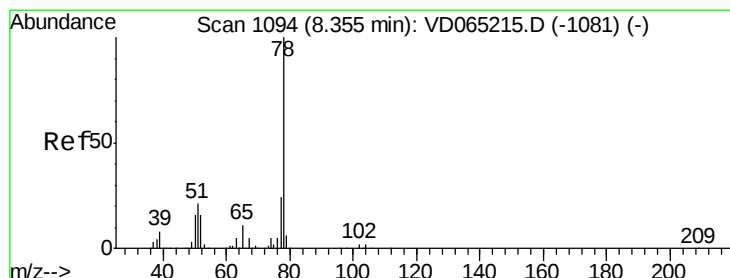
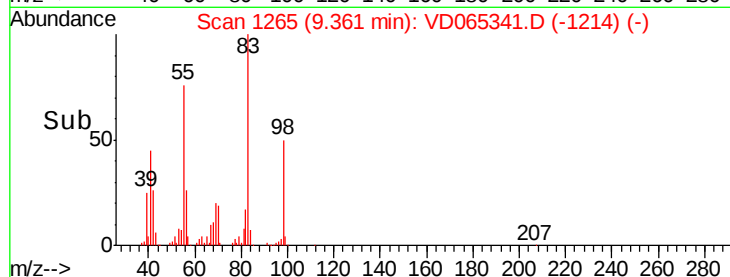
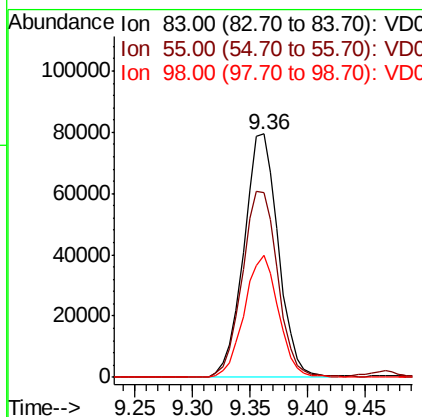
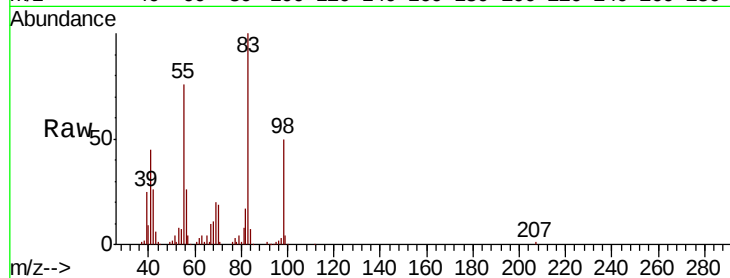




#39
Methvlcvclohexane
Concen: 20.415 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

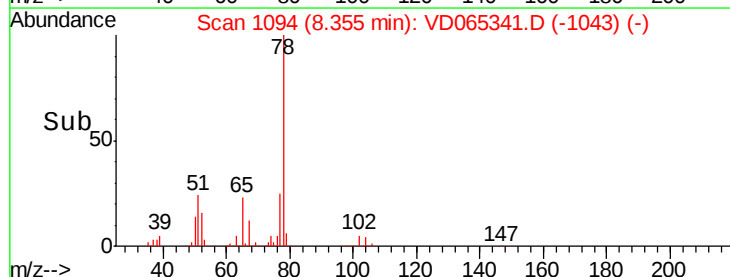
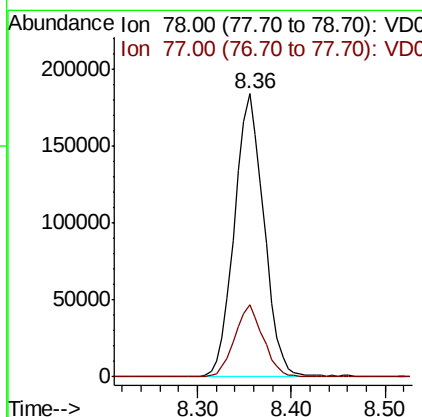
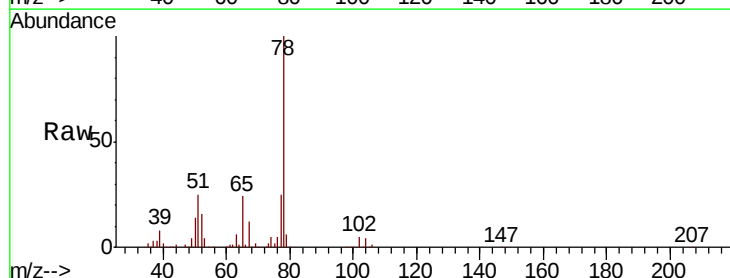
Instrument :
MSVOA_D
ClientSampled :

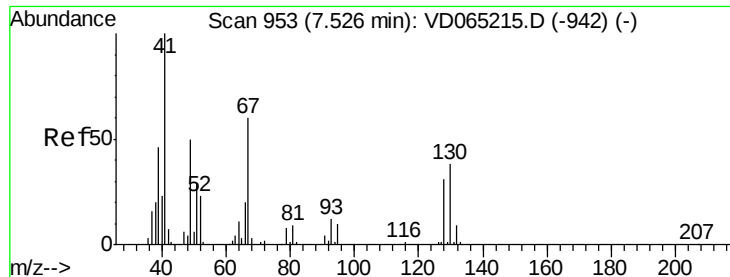
Tot Ion: 83 Resp: 165490
Ion Ratio Lower Upper
83 100
55 75.9 61.8 92.6
98 50.0 39.4 59.0



#40
Benzene
Concen: 20.672 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion: 78 Resp: 402336
Ion Ratio Lower Upper
78 100
77 25.5 19.0 28.6

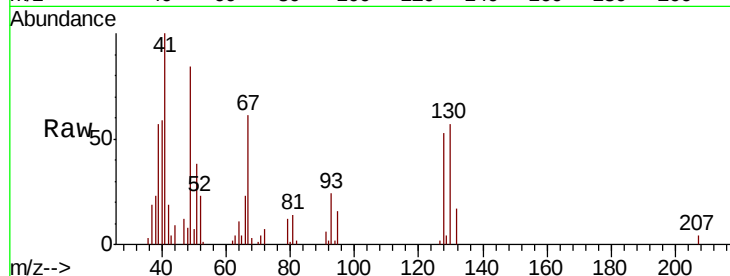




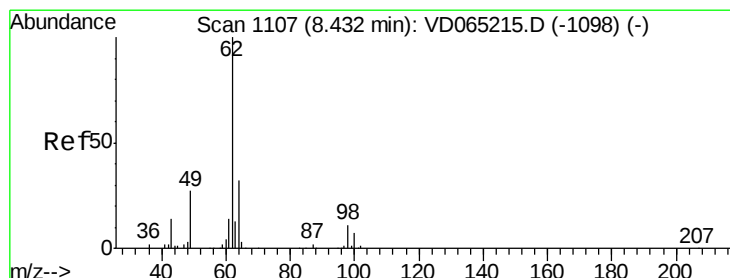
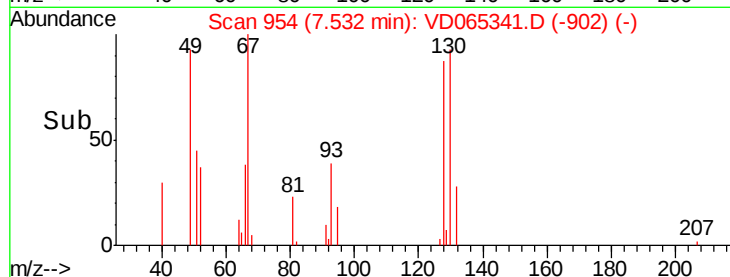
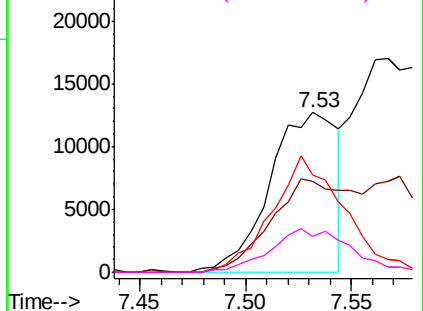
#41
Methacrylonitrile
Concen: 17.077 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	28422
Ion	Ratio	Lower	Upper
41	100		
39	72.5	48.1	72.1#
67	76.9	58.9	88.3
52	32.1	24.2	36.2

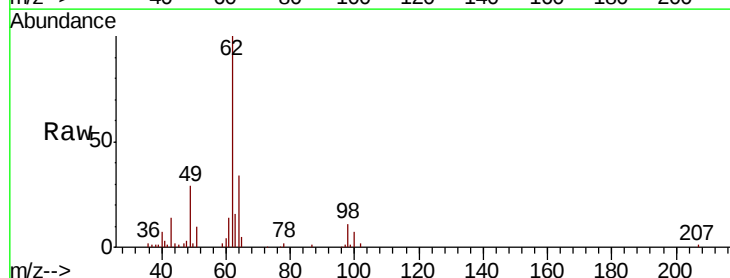


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

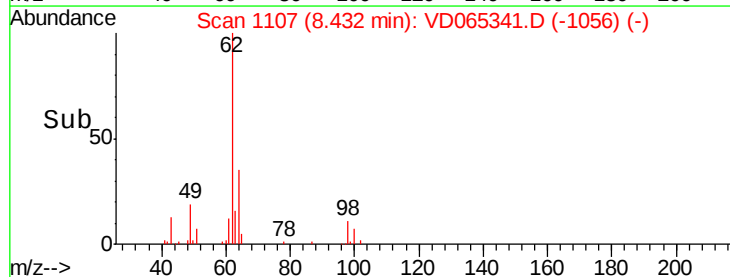
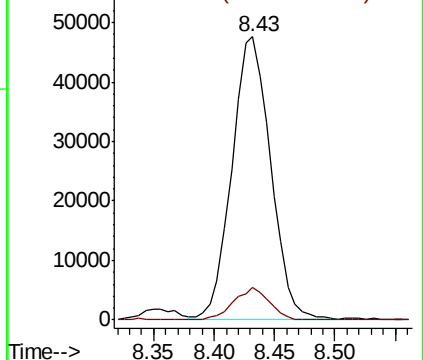


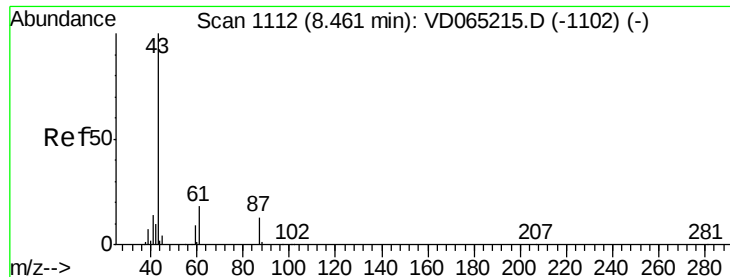
#42
1,2-Dichloroethane
Concen: 19.962 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion:	62	Resp:	106808
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 18.944 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

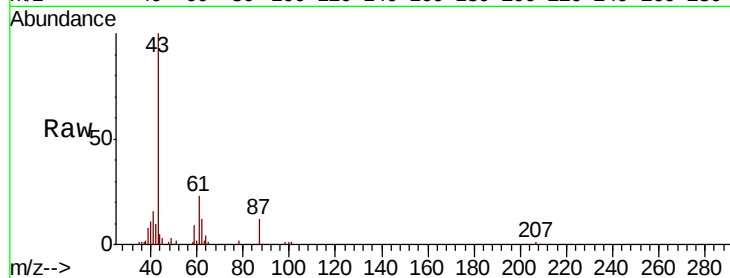
Tot Ion: 43 Resp: 99301

Ion Ratio Lower Upper

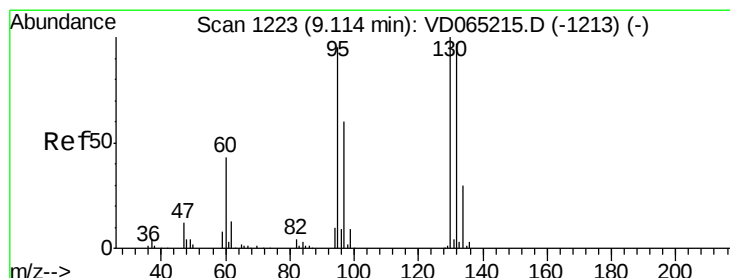
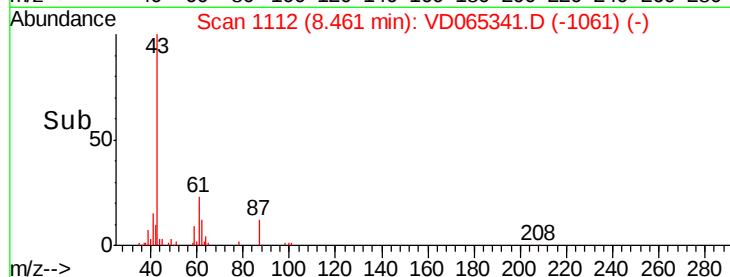
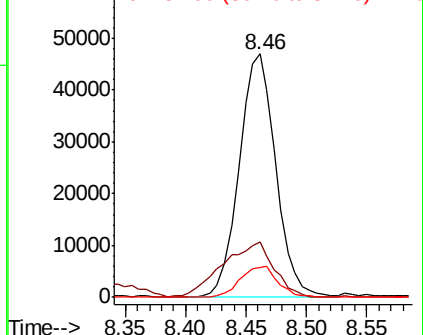
43 100

61 32.1 24.6 36.8

87 13.0 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.289 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065341.D

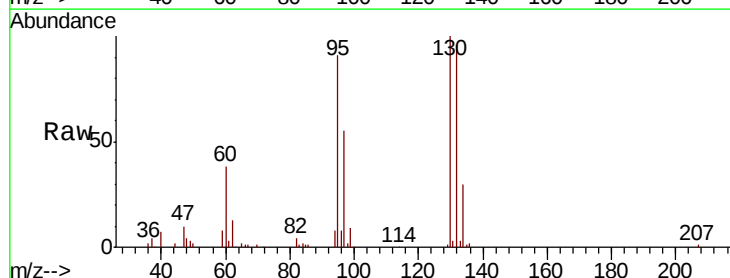
Acq: 27 Feb 2020 11:50

Tgt Ion:130 Resp: 114854

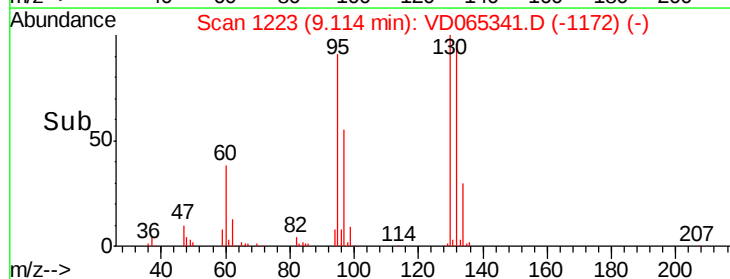
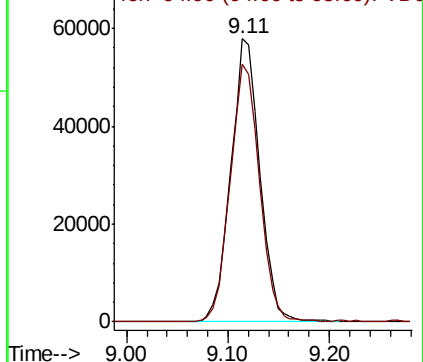
Ion Ratio Lower Upper

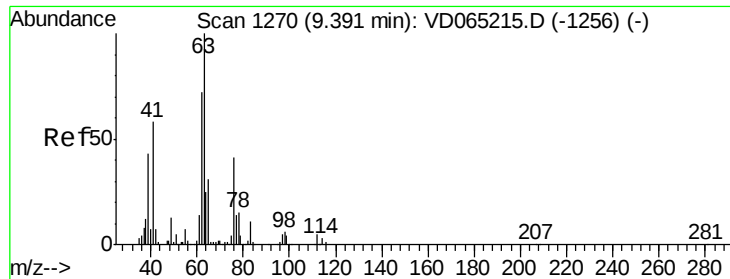
130 100

95 91.3 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.616 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

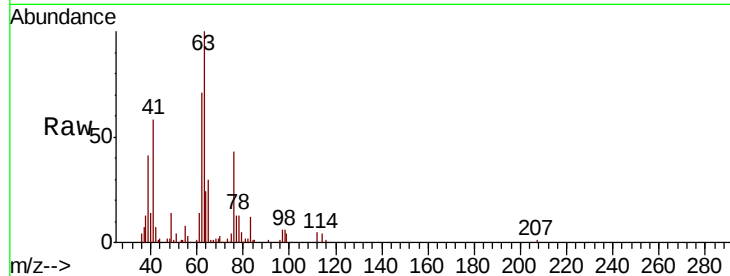
ClientSampled :

Tot Ion: 63 Resp: 99774

Ion Ratio Lower Upper

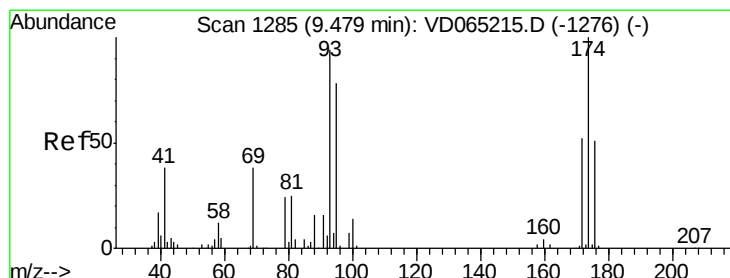
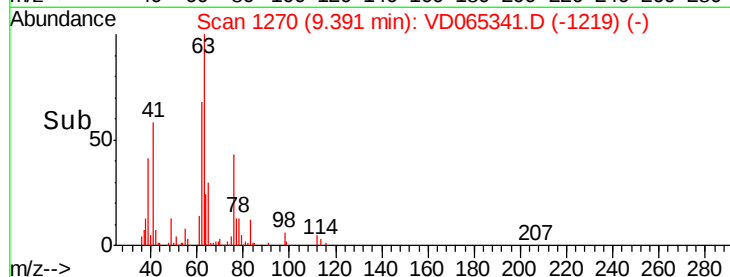
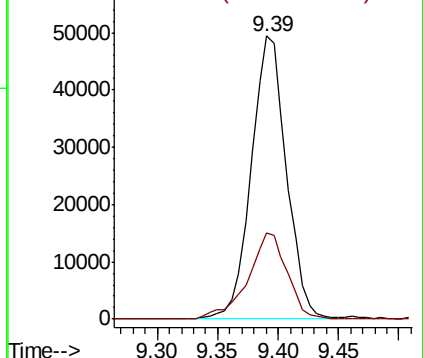
63 100

65 30.3 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.740 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

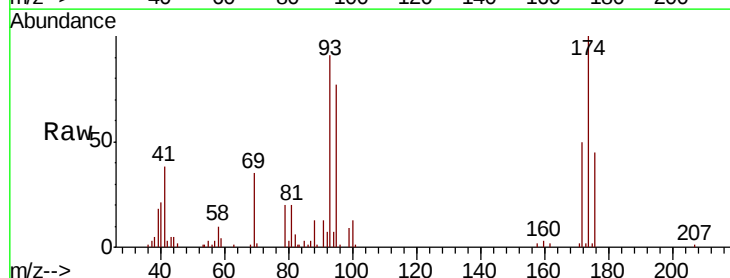
Tgt Ion: 93 Resp: 51643

Ion Ratio Lower Upper

93 100

95 83.1 65.8 98.6

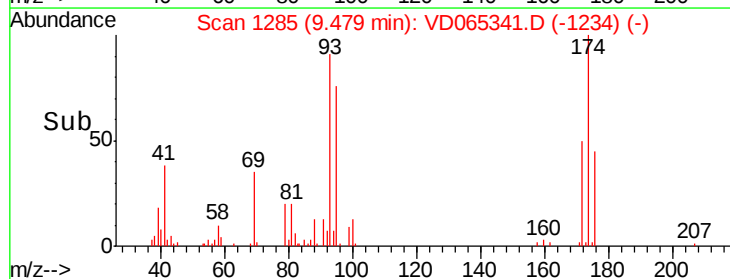
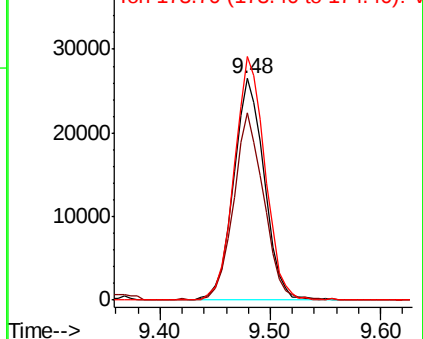
174 110.1 86.8 130.2

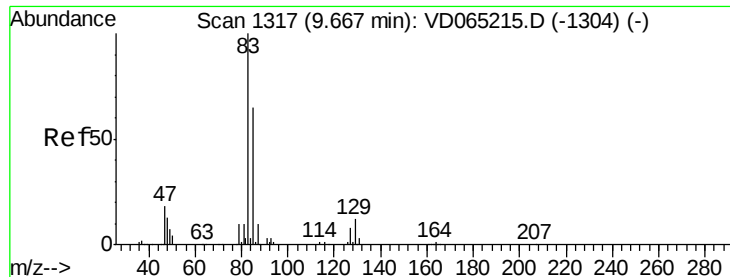


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.602 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

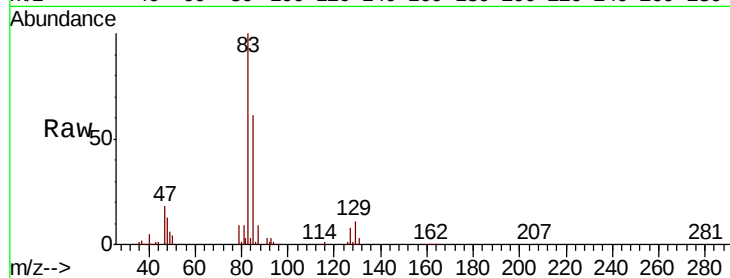
Tot Ion: 83 Resp: 135196

Ion Ratio Lower Upper

83 100

85 61.0 52.0 78.0

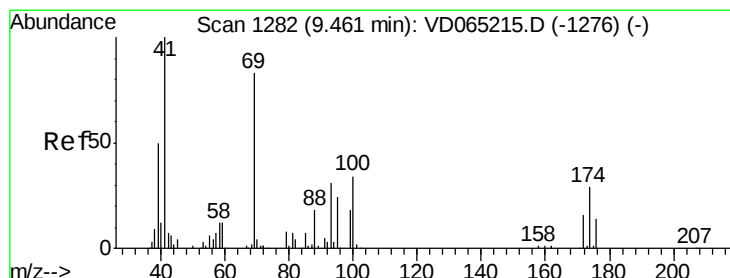
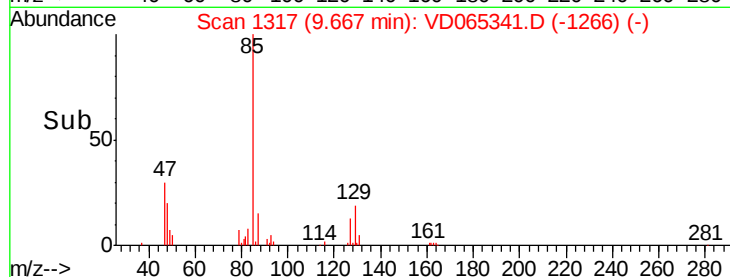
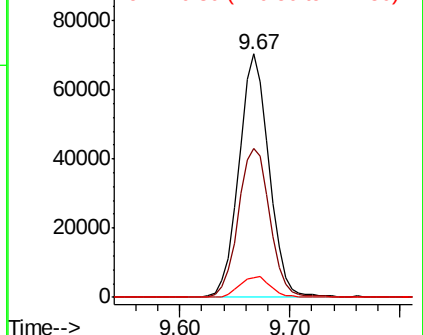
127 7.9 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.419 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

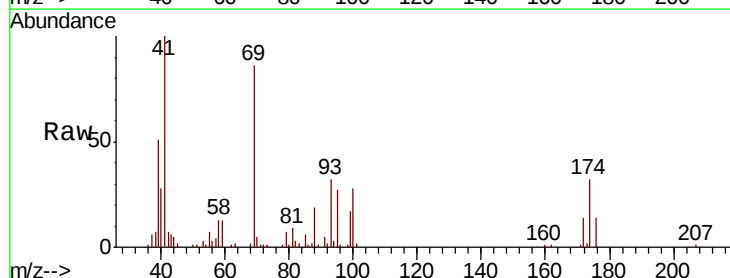
Tgt Ion: 41 Resp: 47051

Ion Ratio Lower Upper

41 100

69 90.3 68.2 102.2

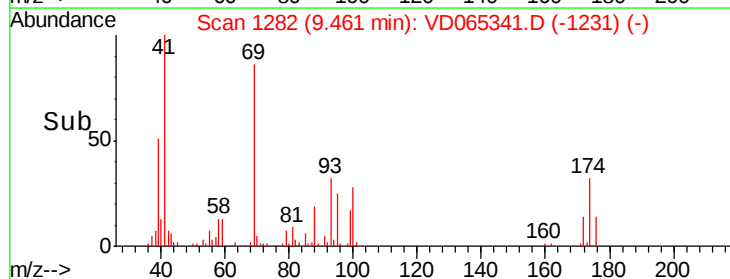
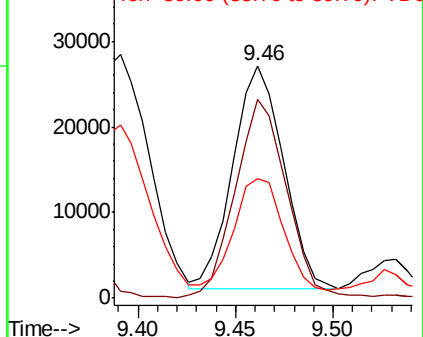
39 48.9 42.0 63.0

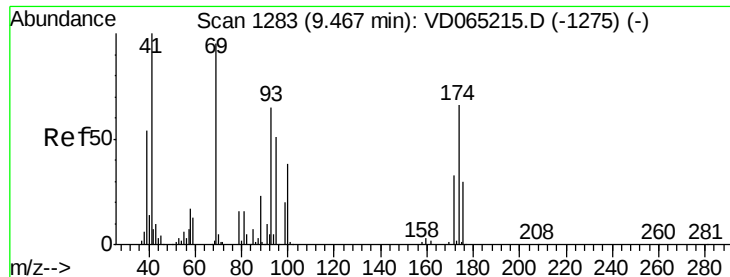


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 376.140 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampled :

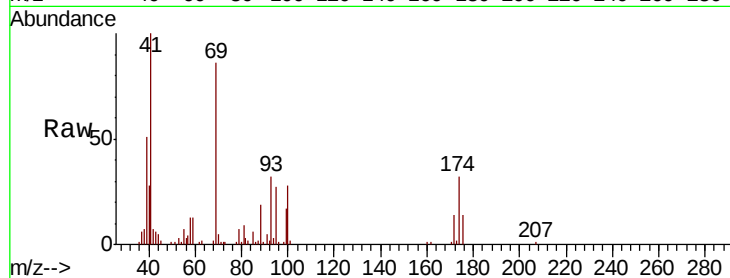
Tot Ion: 88 Resp: 10985

Ion Ratio Lower Upper

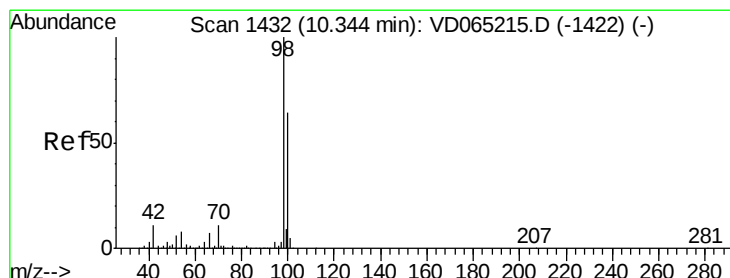
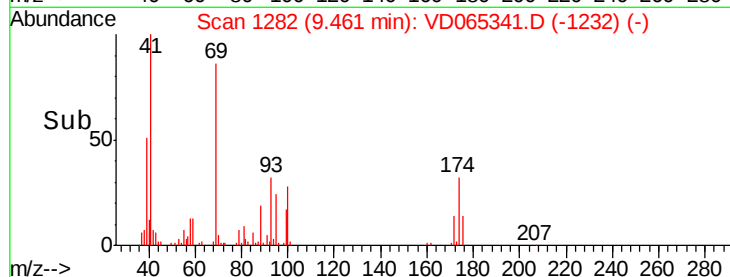
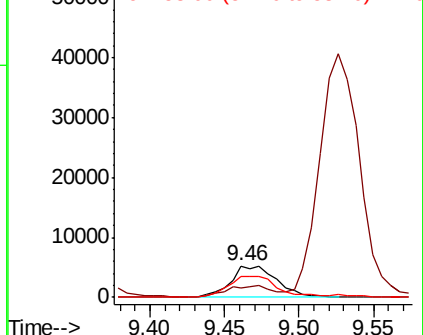
88 100

43 36.9 28.5 42.7

58 73.0 58.6 87.8



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



#50

Toluene-d8

Concen: 52.023 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065341.D

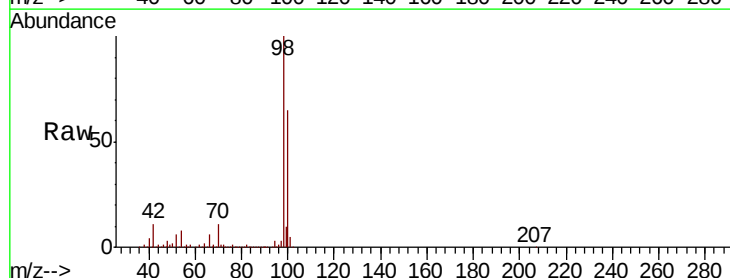
Acq: 27 Feb 2020 11:50

Tgt Ion: 98 Resp: 859362

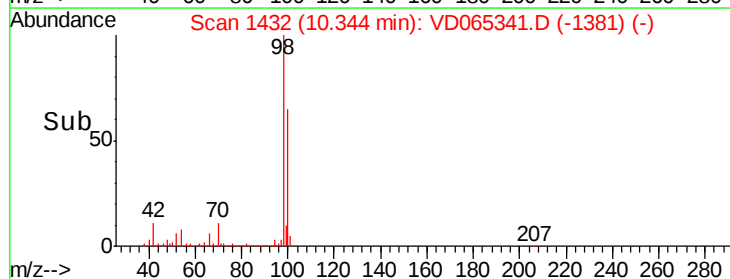
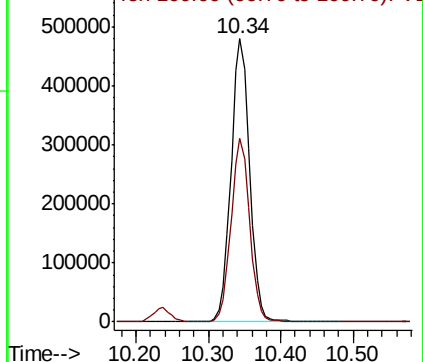
Ion Ratio Lower Upper

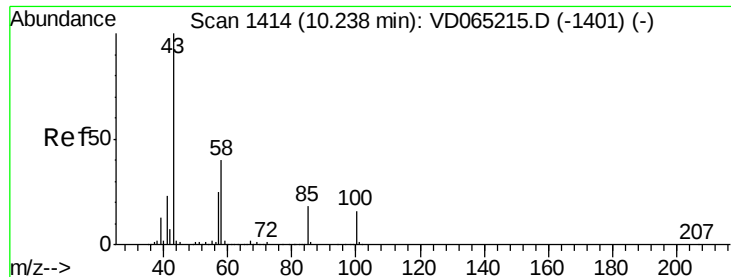
98 100

100 64.8 52.0 78.0



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





#51

4-Methyl-2-Pentanone

Concen: 95.999 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

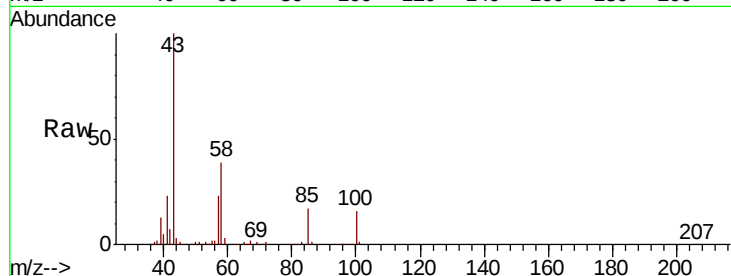
ClientSampleId :

Tot Ion: 43 Resp: 255587

Ion Ratio Lower Upper

43 100

58 39.5 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

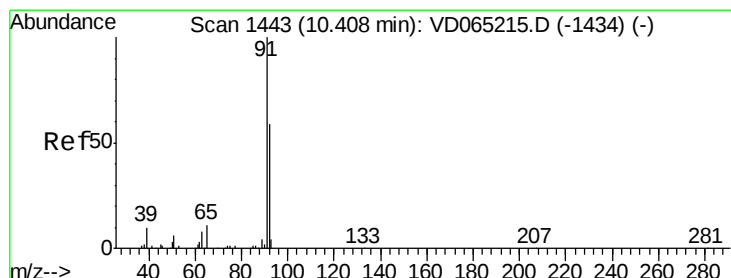
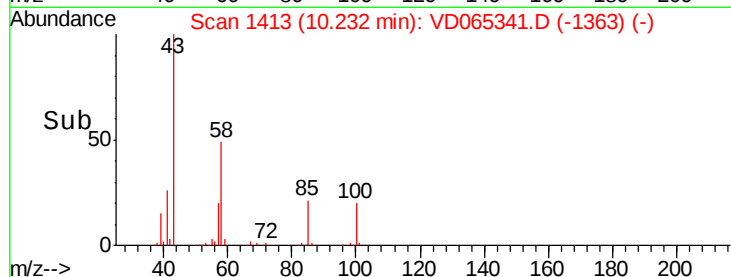
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.789 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065341.D

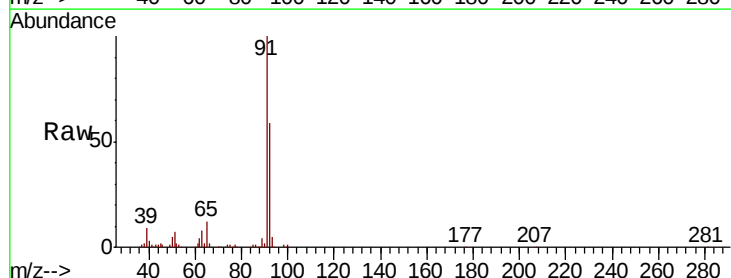
Acq: 27 Feb 2020 11:50

Tgt Ion: 92 Resp: 262497

Ion Ratio Lower Upper

92 100

91 171.1 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

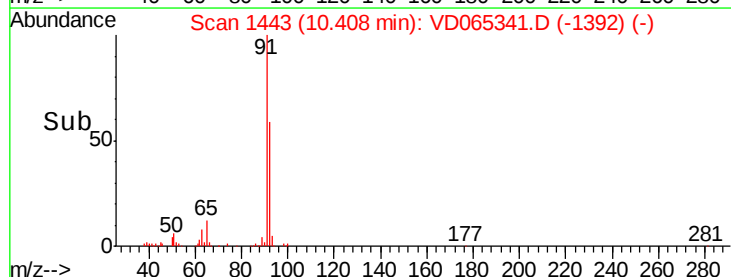
150000

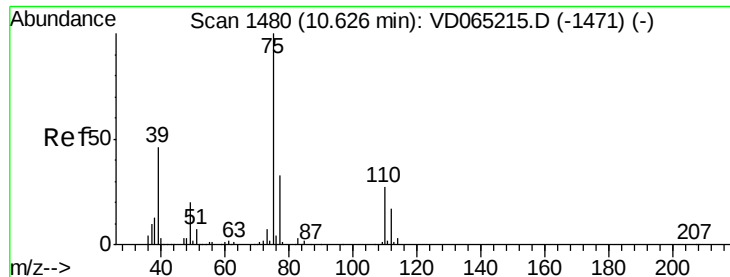
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.392 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

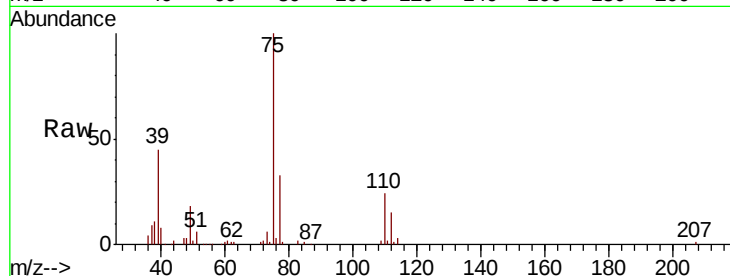
ClientSampleId :

Tot Ion: 75 Resp: 124034

Ion Ratio Lower Upper

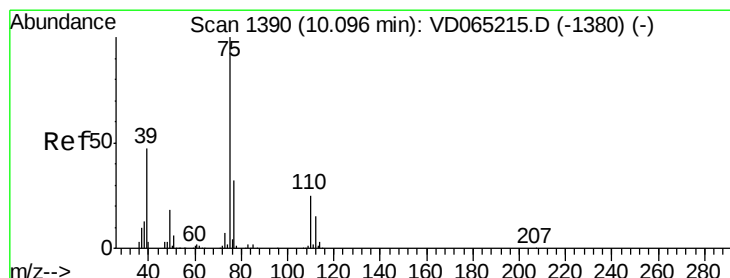
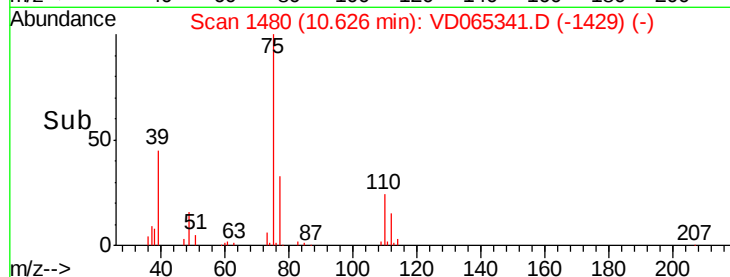
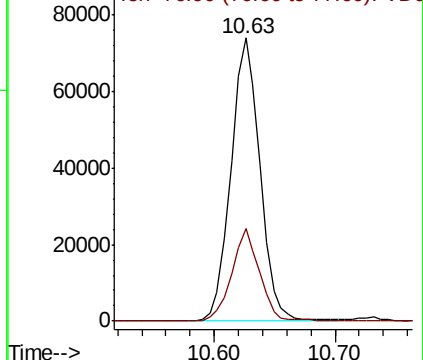
75 100

77 32.7 26.6 40.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.267 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

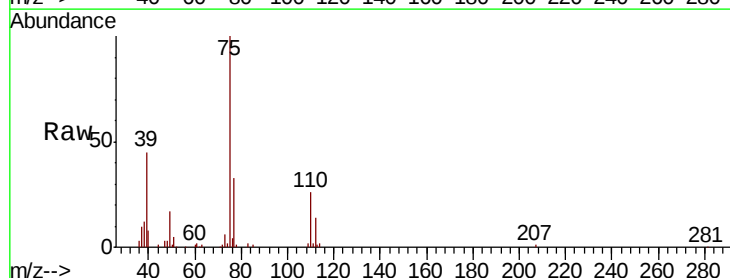
Tgt Ion: 75 Resp: 148858

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

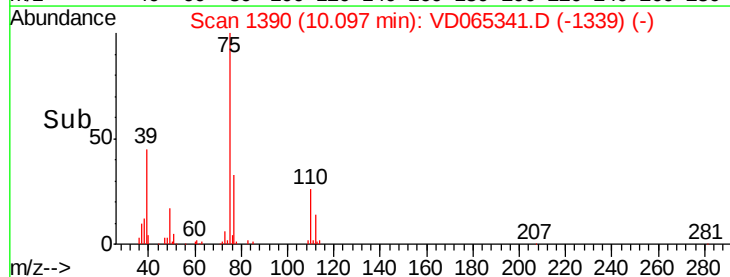
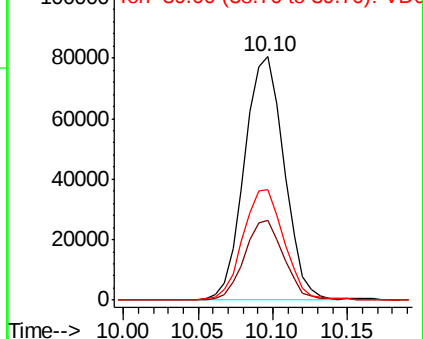
39 45.3 37.3 55.9

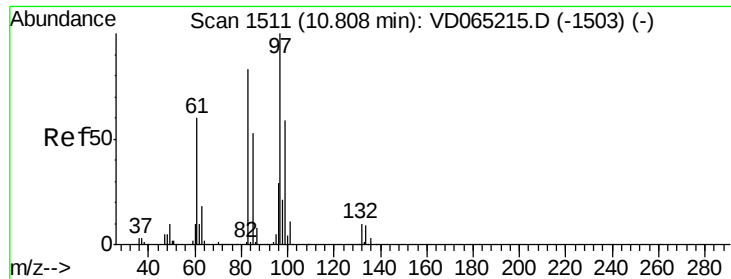


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 20.420 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 71566

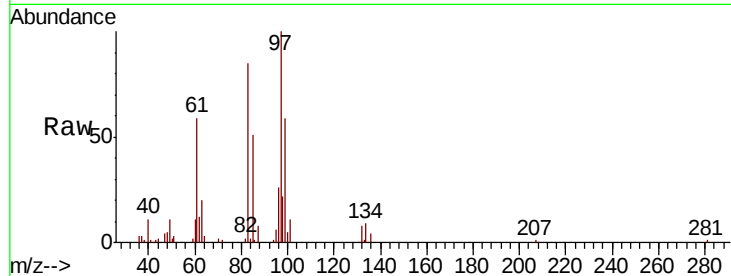
Ion Ratio Lower Upper

97 100

83 85.4 66.7 100.1

85 51.4 42.4 63.6

99 59.4 47.5 71.3

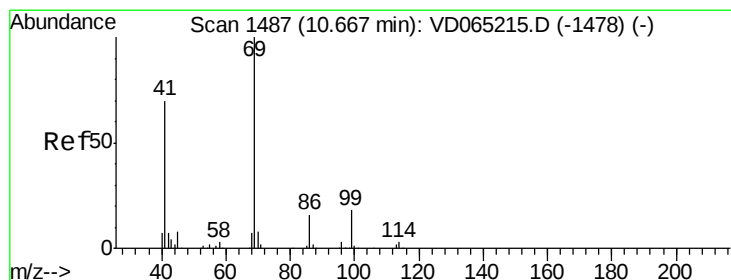
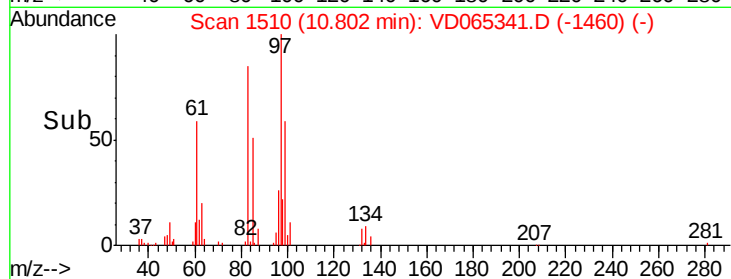
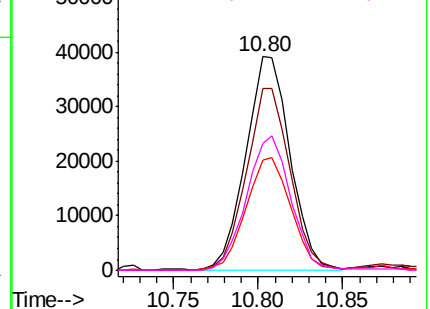


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.390 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

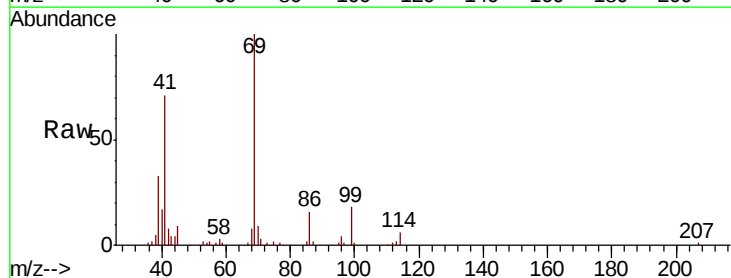
Tgt Ion: 69 Resp: 78438

Ion Ratio Lower Upper

69 100

41 70.6 54.6 81.8

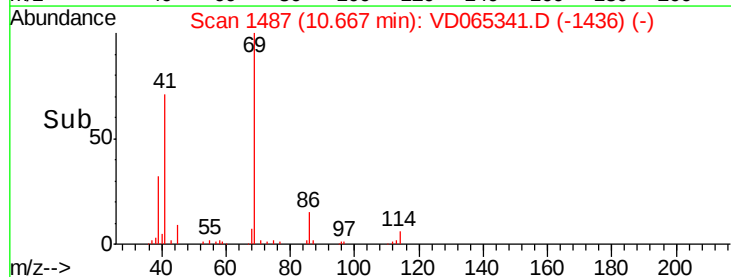
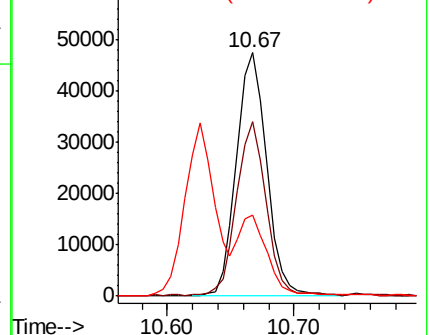
39 31.2 26.5 39.7



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

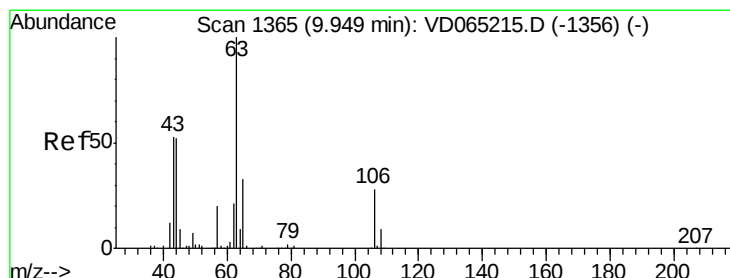
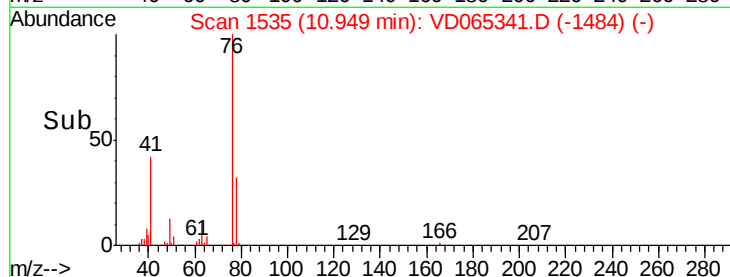
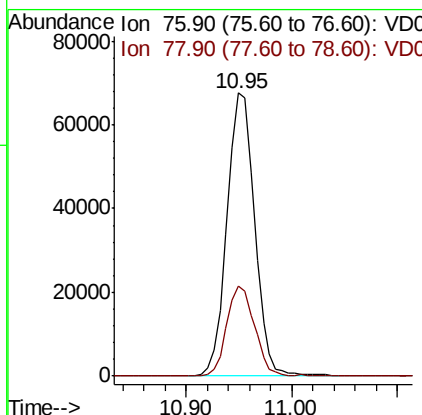
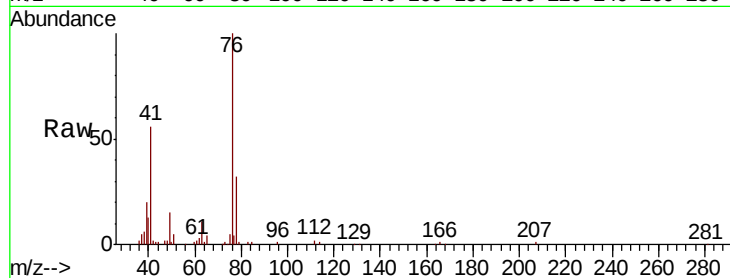




#57
 1,3-Dichloropropane
 Concen: 20.503 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

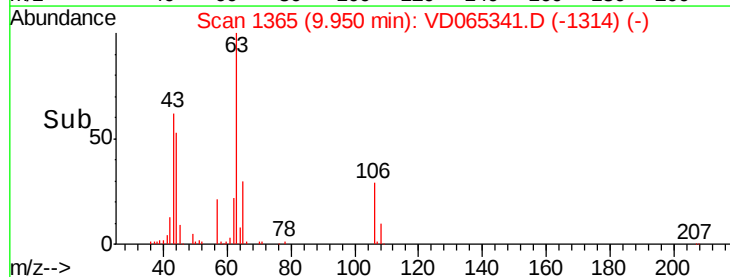
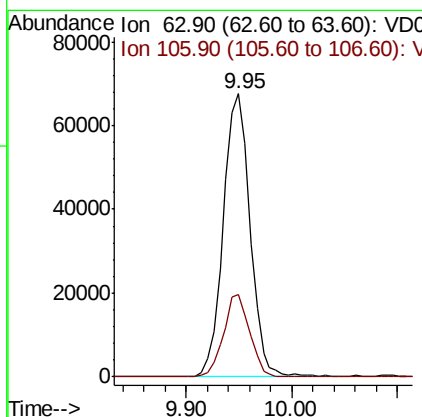
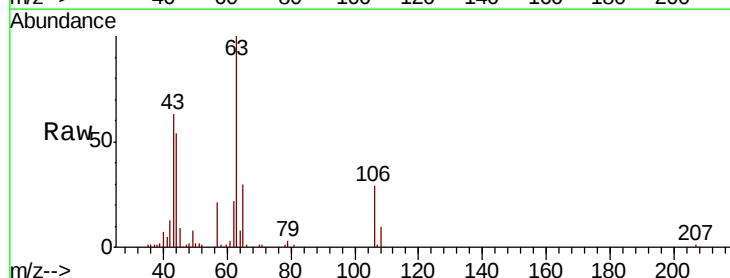
Instrument :
 MSVOA_D
 ClientSampleId :

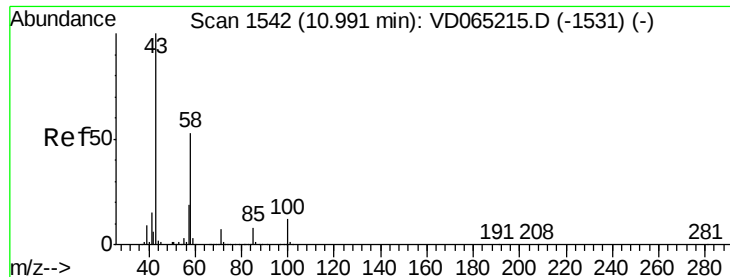
Tot Ion: 76 Resp: 122303
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.106 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion: 63 Resp: 118743
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.8 34.2

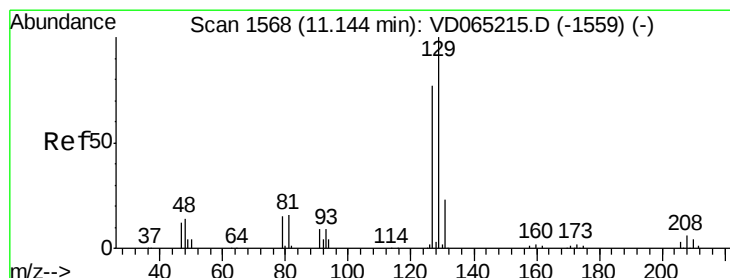
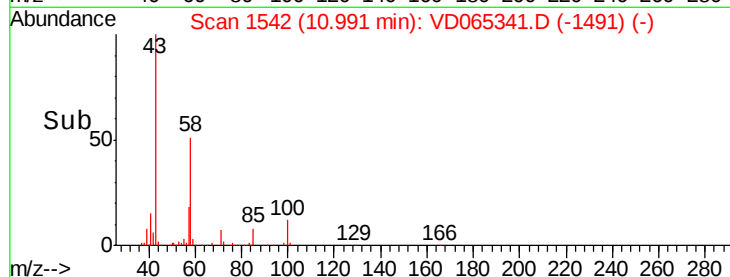
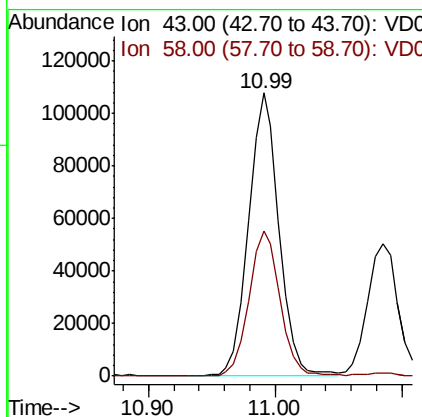
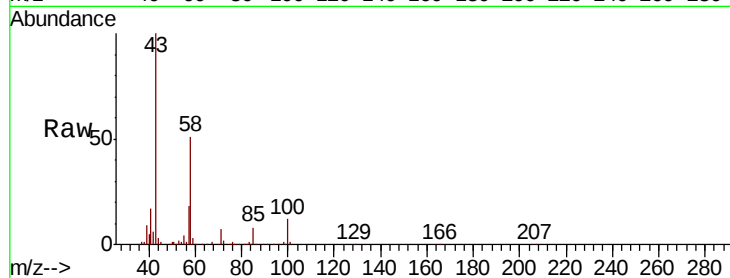




#59
2-Hexanone
Concen: 94.505 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

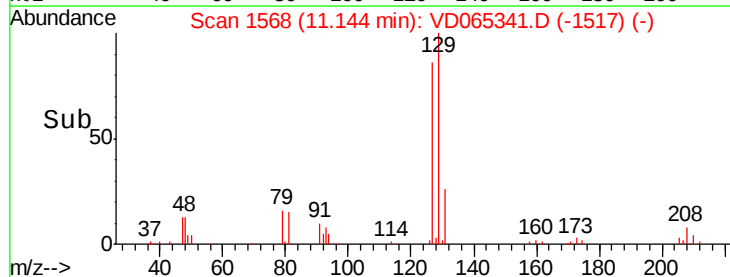
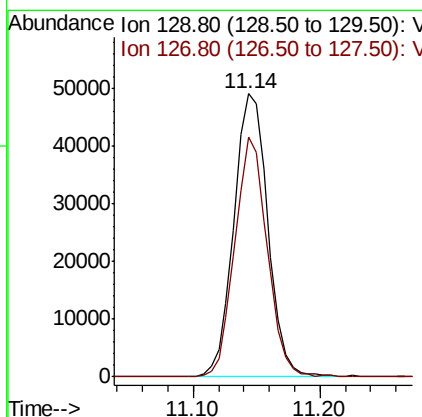
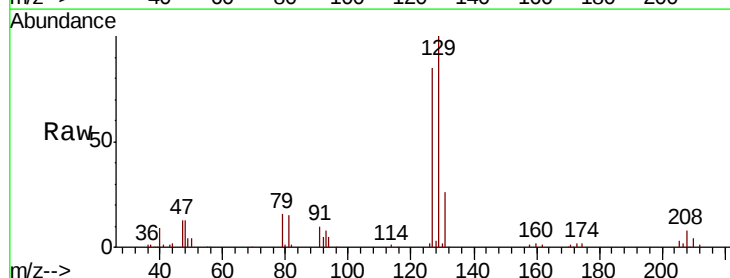
Instrument :
MSVOA_D
ClientSampled :

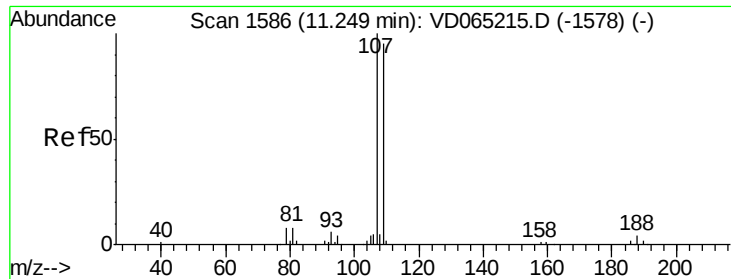
Tot Ion: 43 Resp: 180113
Ion Ratio Lower Upper
43 100
58 52.4 26.3 78.8



#60
Dibromochloromethane
Concen: 20.319 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion: 129 Resp: 91146
Ion Ratio Lower Upper
129 100
127 80.7 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.296 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

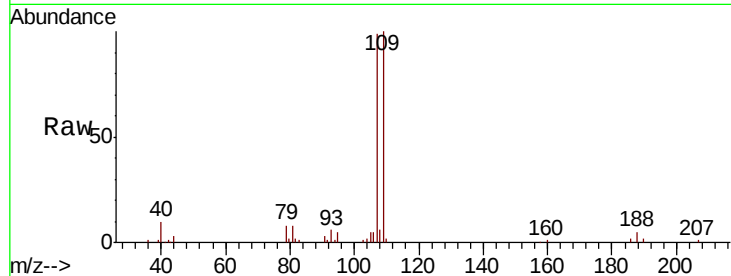
ClientSampleId :

Tot Ion:107 Resp: 67349

Ion Ratio Lower Upper

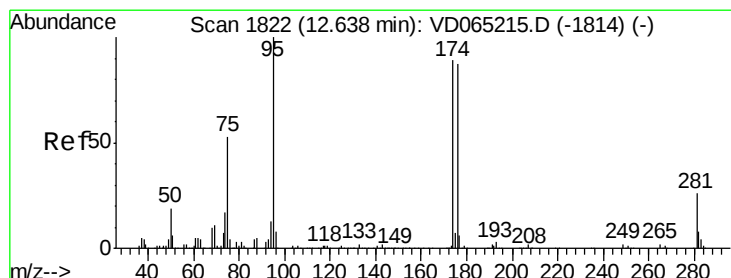
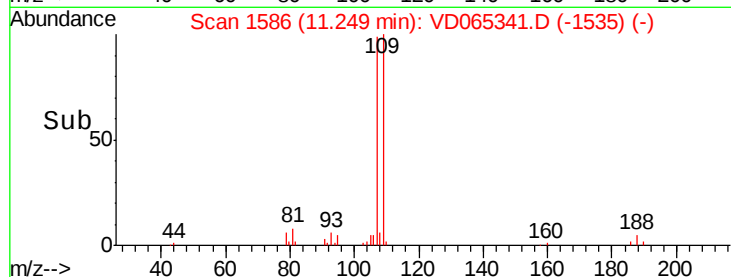
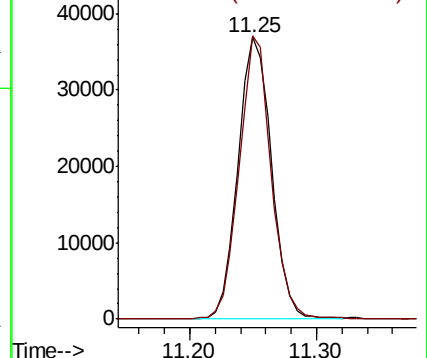
107 100

109 95.9 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.314 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

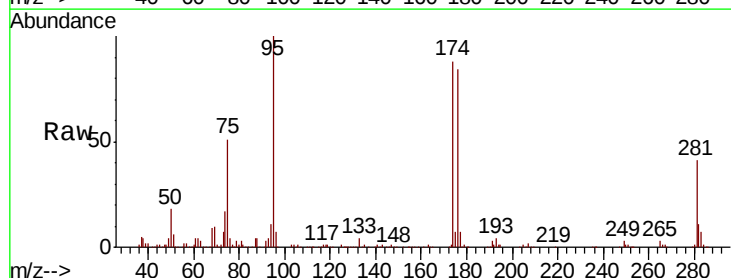
Tgt Ion: 95 Resp: 273758

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.0

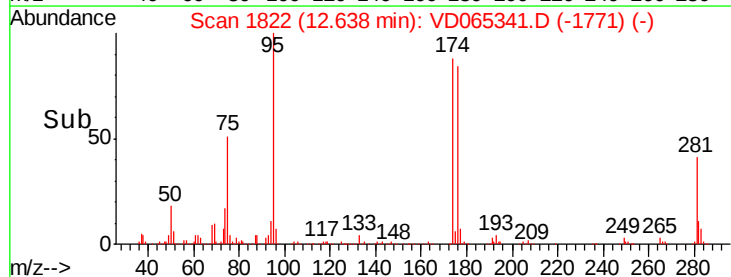
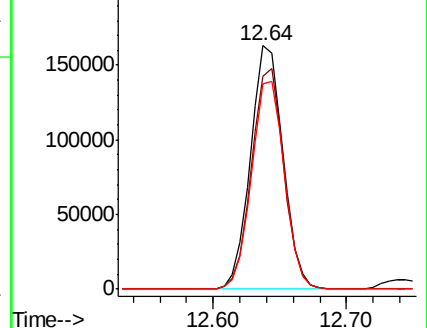
176 86.3 0.0 174.4

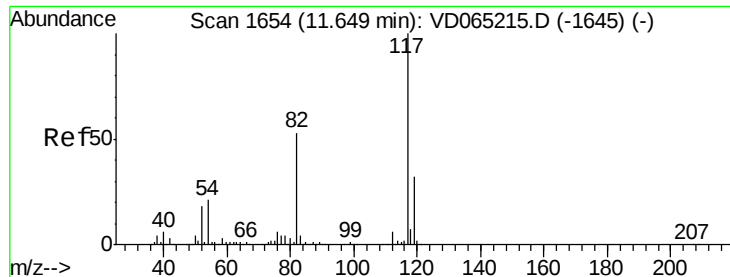


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

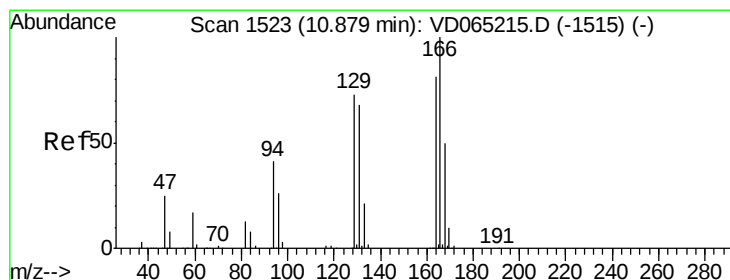
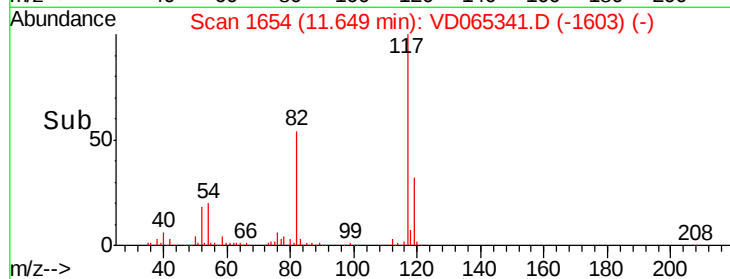
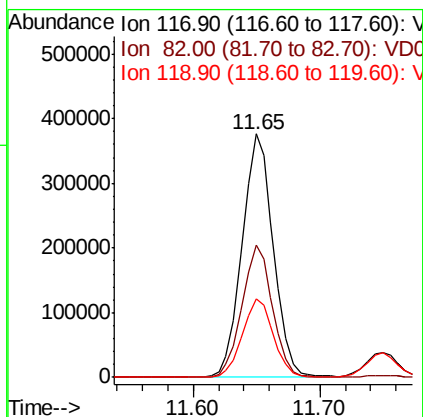
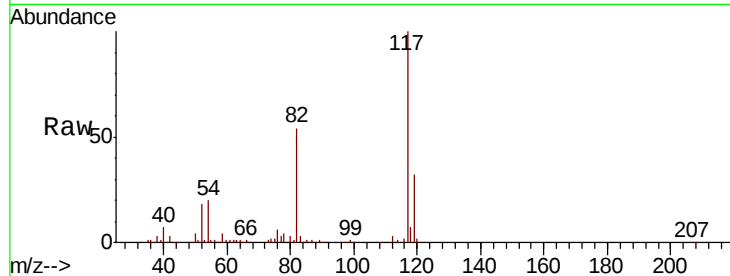




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

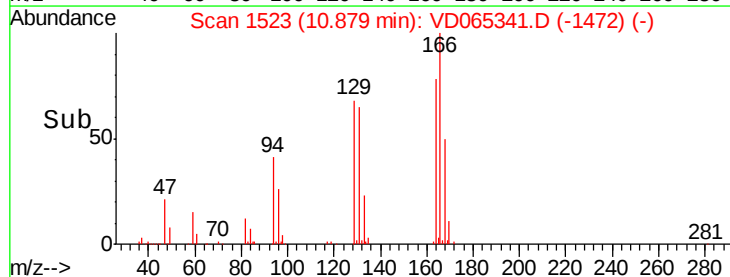
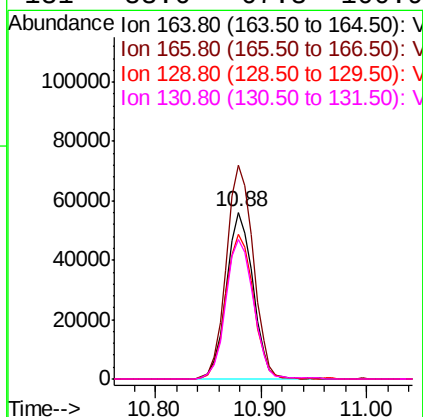
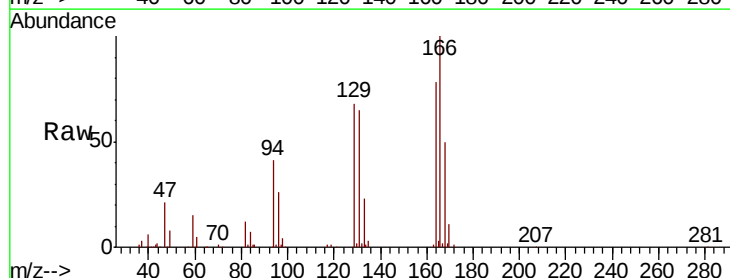
Instrument :
MSVOA_D
ClientSampled :

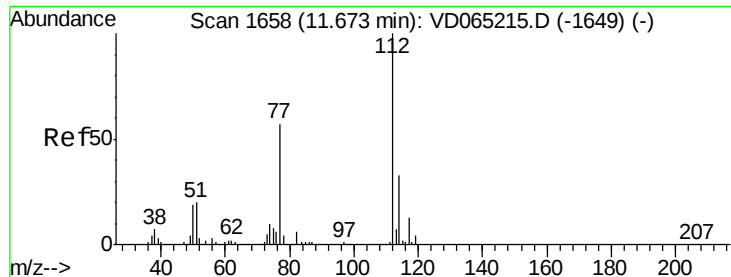
Tot Ion:117 Resp: 640556
Ion Ratio Lower Upper
117 100
82 54.3 42.7 64.1
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 21.512 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion:164 Resp: 97731
Ion Ratio Lower Upper
164 100
166 128.2 98.4 147.6
129 86.8 71.6 107.4
131 83.6 67.3 100.9

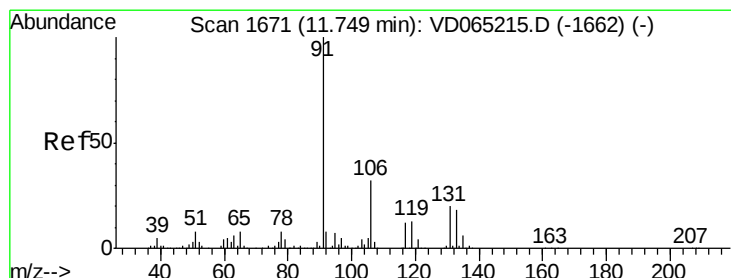
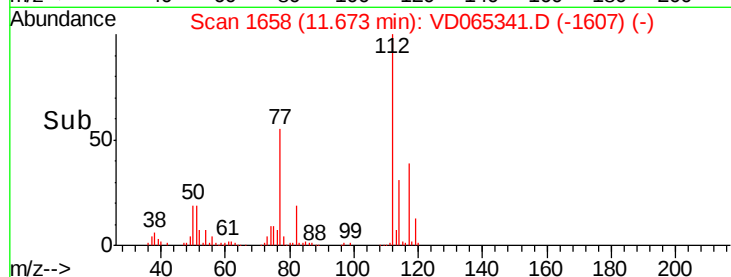
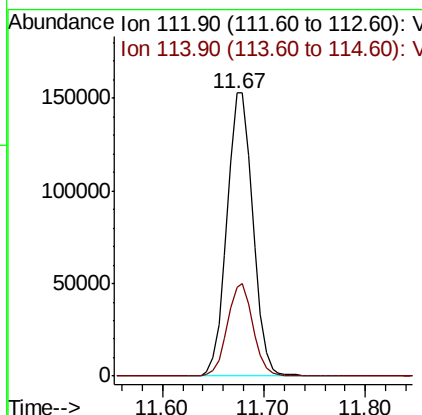
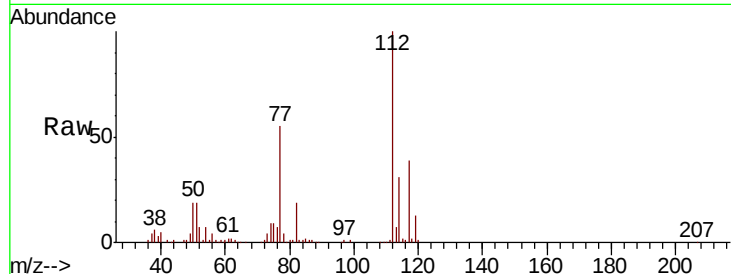




#65
Chlorobenzene
Concen: 21.210 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

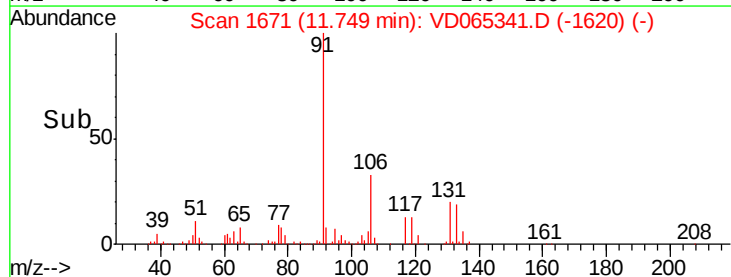
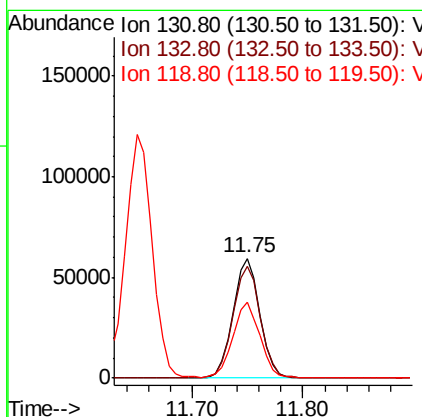
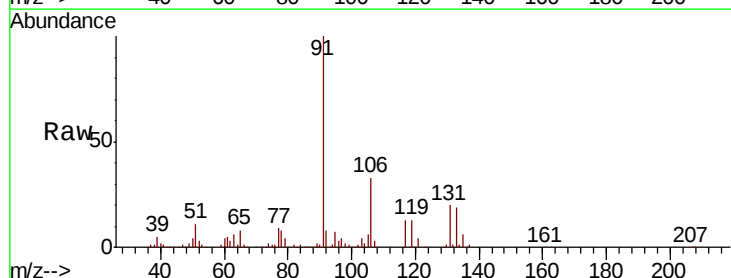
Instrument :
MSVOA_D
ClientSampleId :

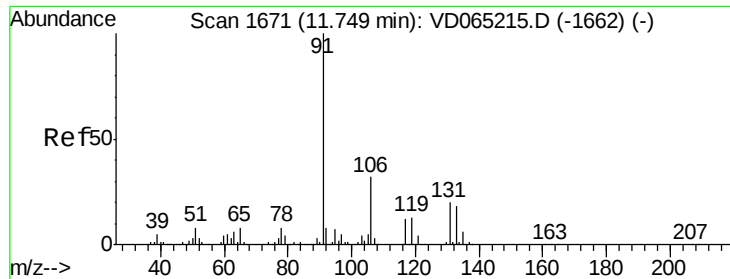
Tot Ion:112 Resp: 272640
Ion Ratio Lower Upper
112 100
114 31.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.147 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion:131 Resp: 101440
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 64.3 32.7 98.1





#67

Ethyl Benzene

Concen: 21.181 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

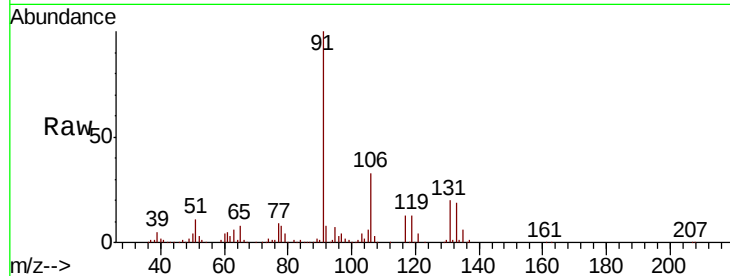
ClientSampleId :

Tot Ion: 91 Resp: 476855

Ion Ratio Lower Upper

91 100

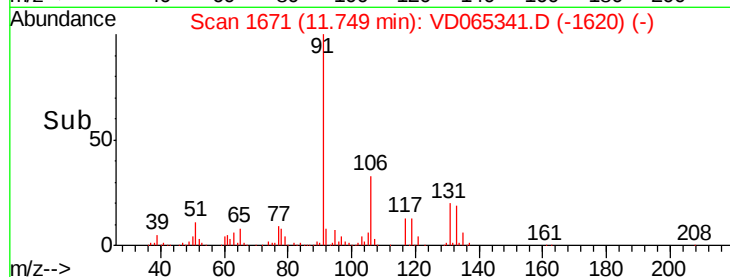
106 32.8 25.2 37.8



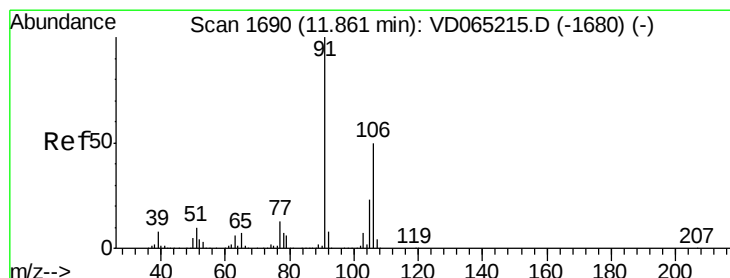
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

Time-->



Time-->



#68

m/p-Xylenes

Concen: 43.002 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065341.D

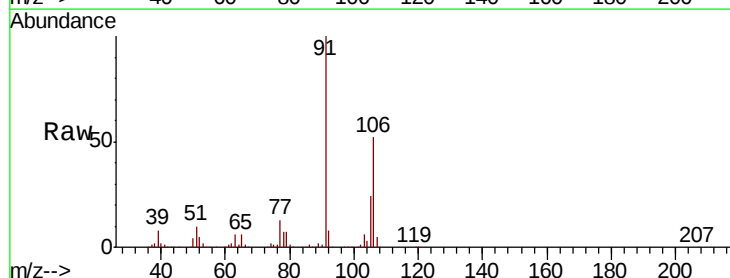
Acq: 27 Feb 2020 11:50

Tgt Ion: 106 Resp: 370392

Ion Ratio Lower Upper

106 100

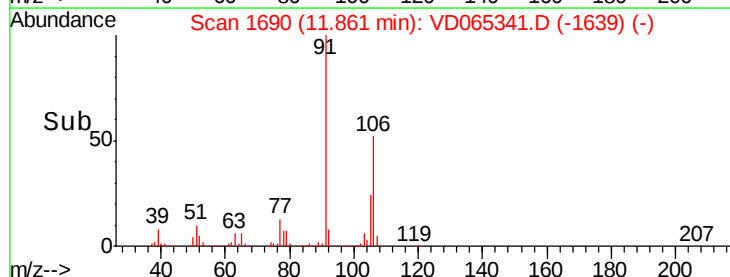
91 198.2 158.2 237.4



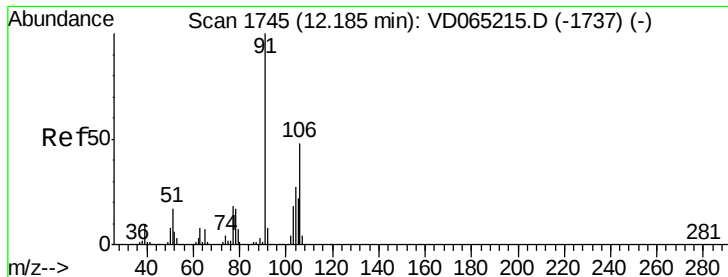
Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

Time-->



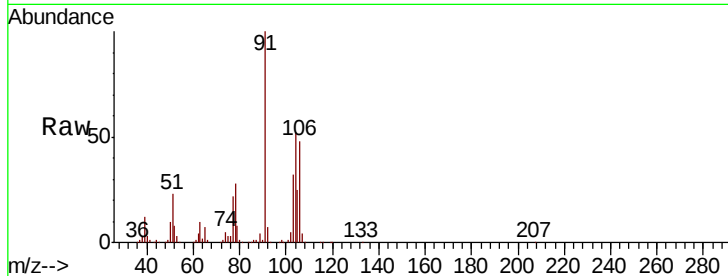
Time-->



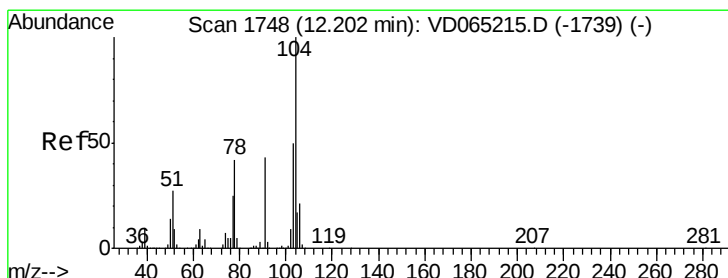
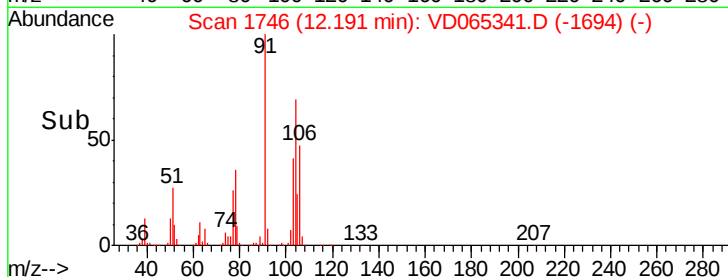
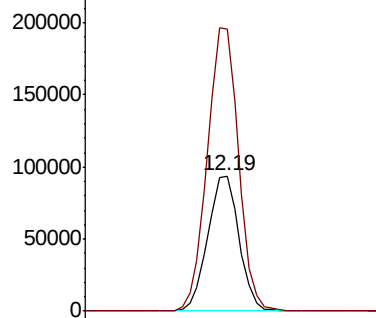
#69
o-Xylene
Concen: 21.031 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 160486
Ion Ratio Lower Upper
106 100
91 209.1 104.7 313.9

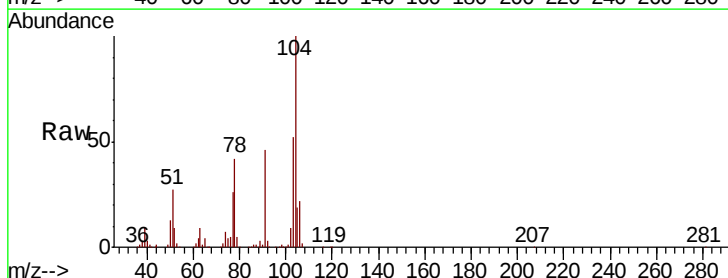


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

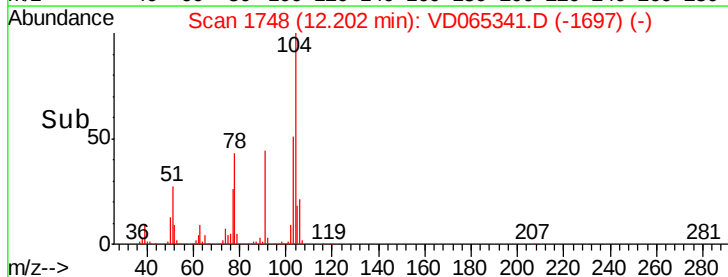
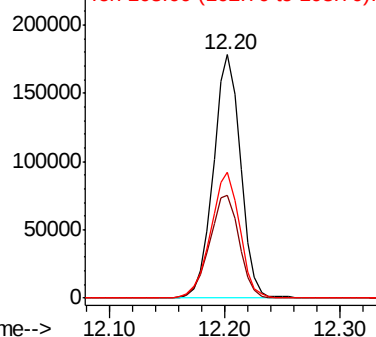


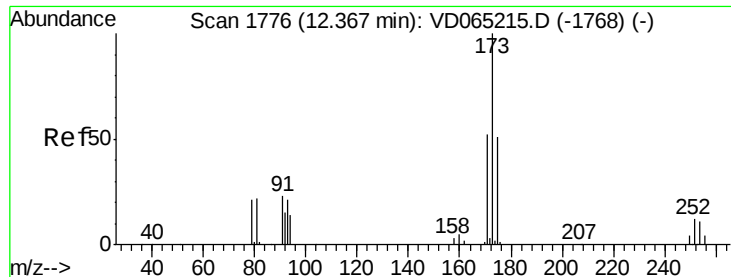
#70
Styrene
Concen: 21.567 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion:104 Resp: 292202
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 55.0 43.4 65.2



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





#71

Bromoform

Concen: 20.433 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

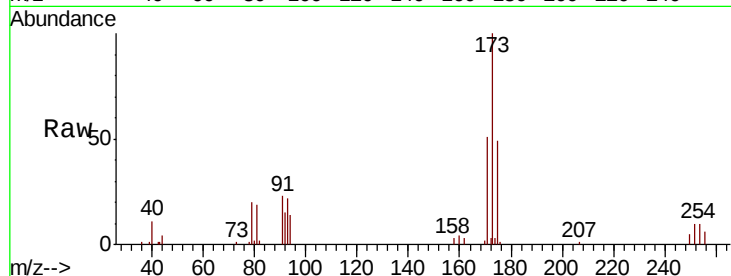
Tot Ion:173 Resp: 54389

Ion Ratio Lower Upper

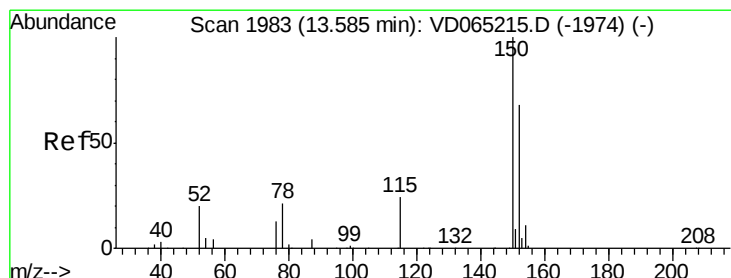
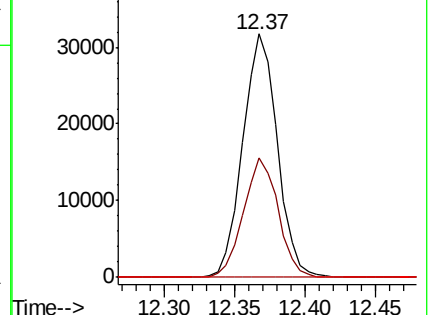
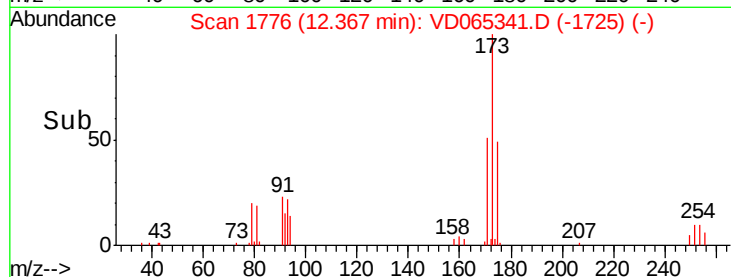
173 100

175 49.2 24.4 73.4

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: VD065341.D

Acq: 27 Feb 2020 11:50

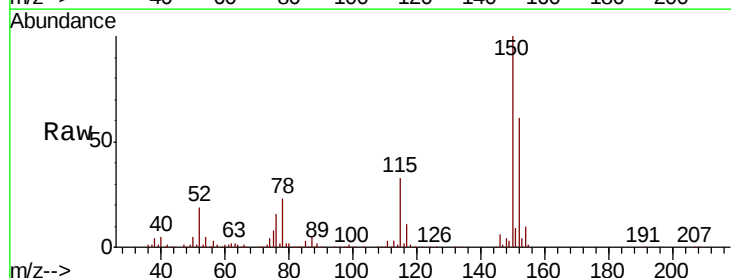
Tgt Ion:152 Resp: 319427

Ion Ratio Lower Upper

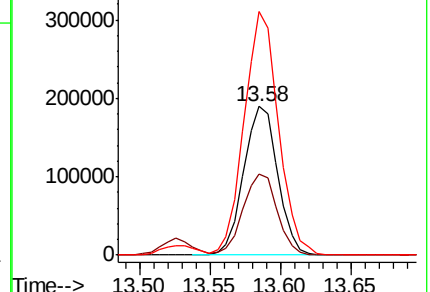
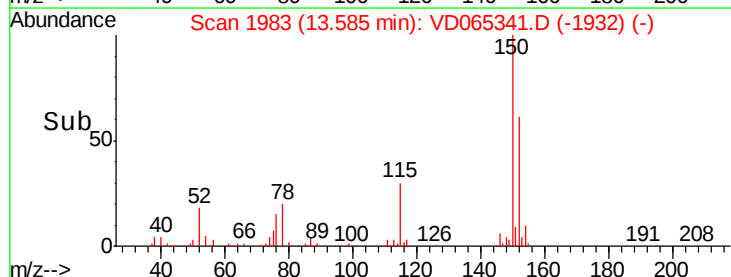
152 100

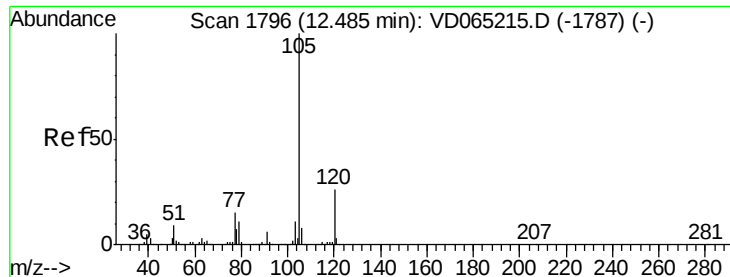
115 54.8 27.6 82.8

150 165.7 0.0 347.4



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: 21.045 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

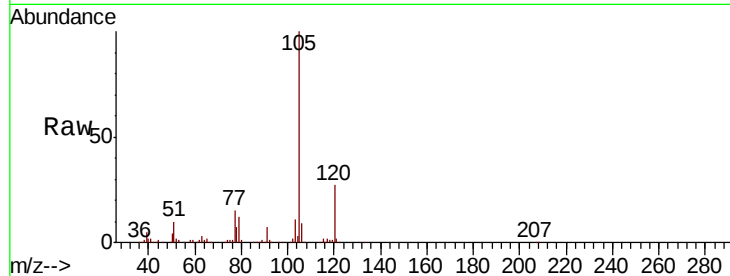
ClientSampleId :

Tot Ion:105 Resp: 445051

Ion Ratio Lower Upper

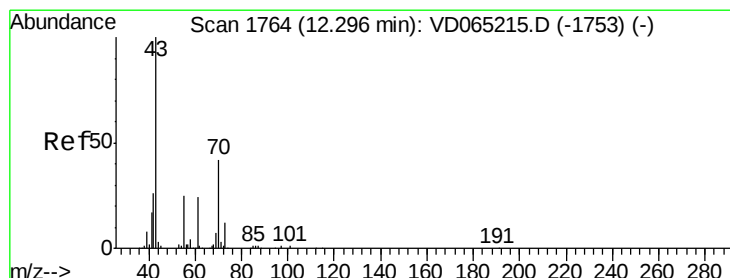
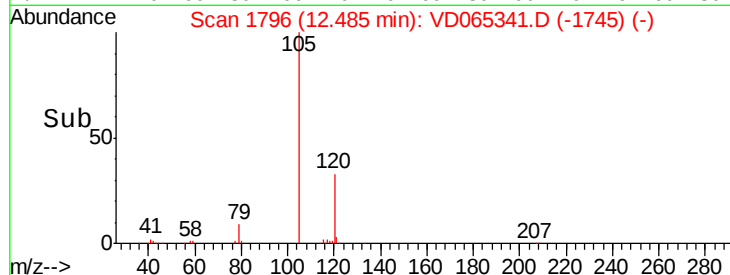
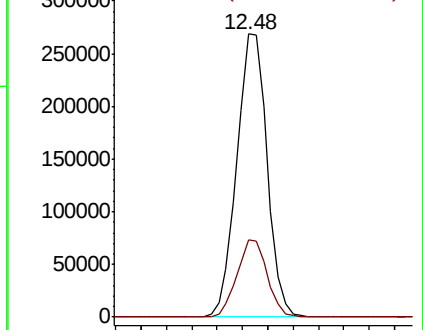
105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.265 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Tgt Ion: 43 Resp: 90529

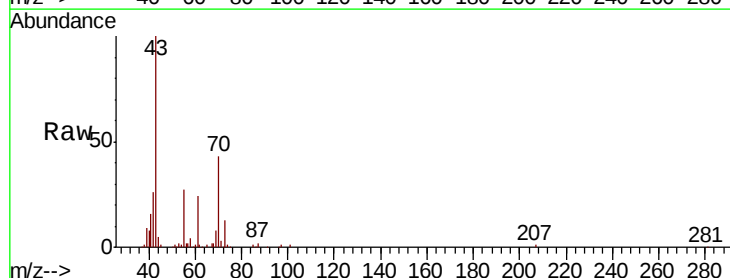
Ion Ratio Lower Upper

43 100

70 44.0 33.7 50.5

55 27.8 20.7 31.1

61 24.2 19.0 28.4

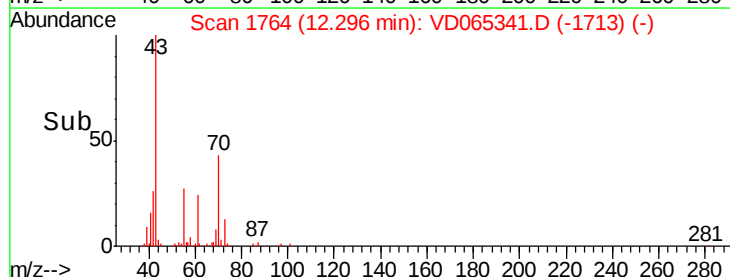
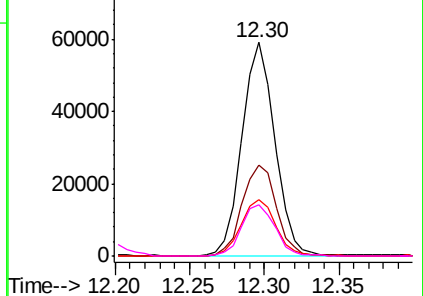


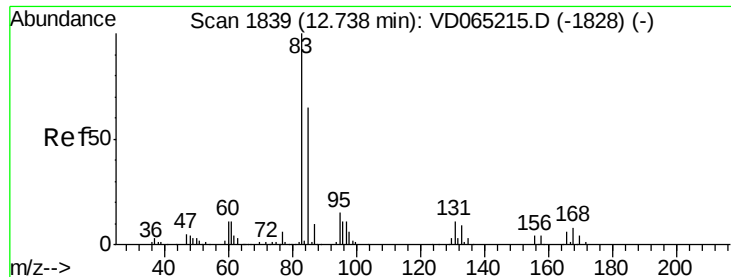
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.447 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

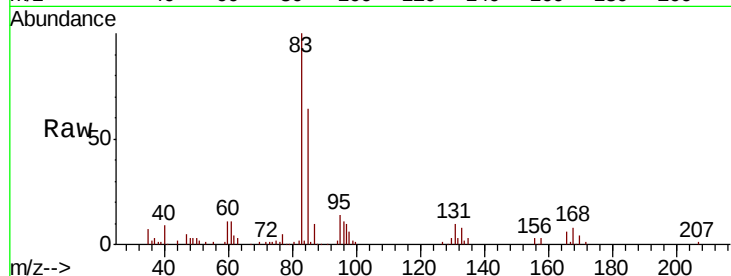
Tot Ion: 83 Resp: 78041

Ion Ratio Lower Upper

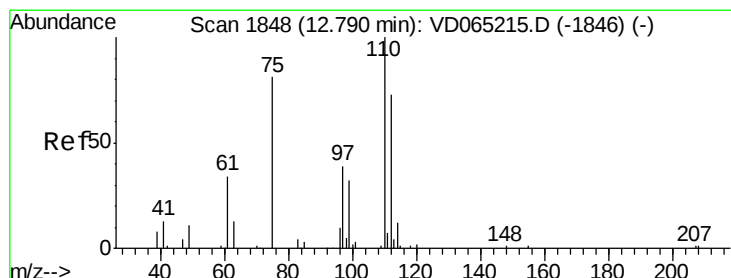
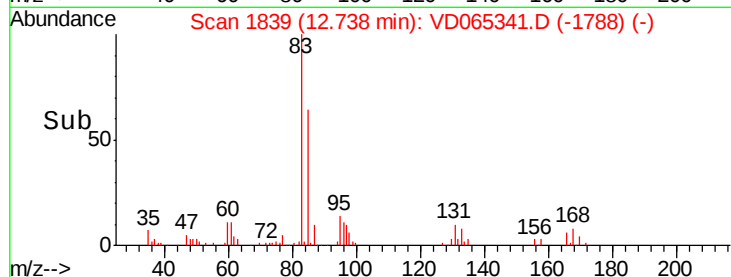
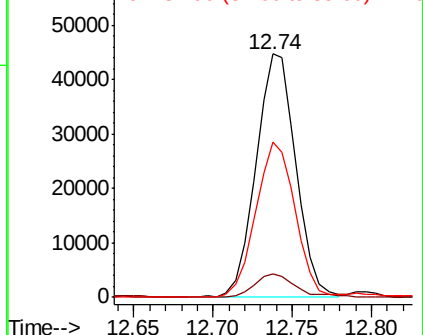
83 100

131 10.0 5.4 16.2

85 63.3 31.6 94.8



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: 36.717 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065341.D

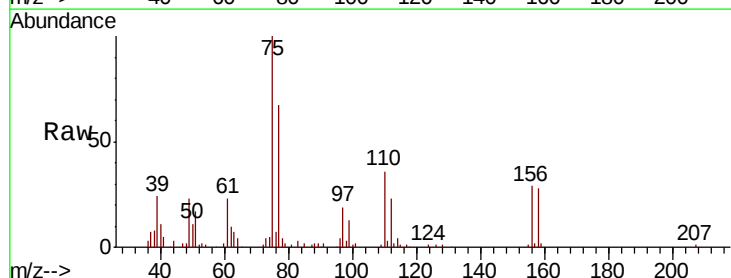
Acq: 27 Feb 2020 11:50

Tgt Ion: 75 Resp: 99789

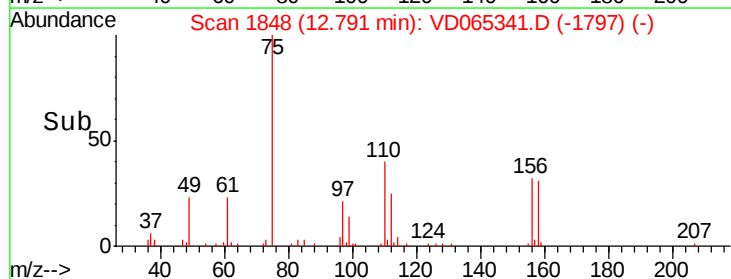
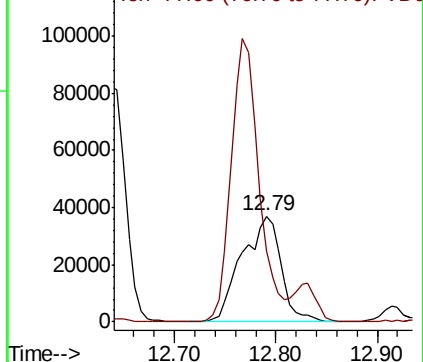
Ion Ratio Lower Upper

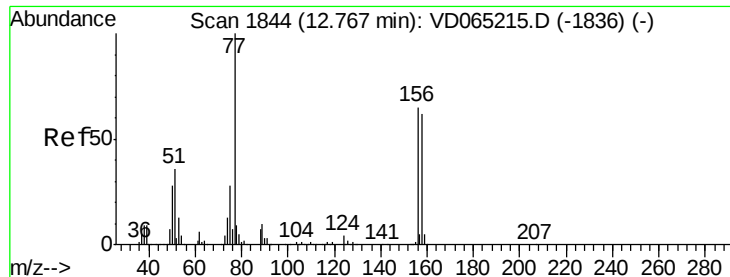
75 100

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: 21.108 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

ClientSampleId :

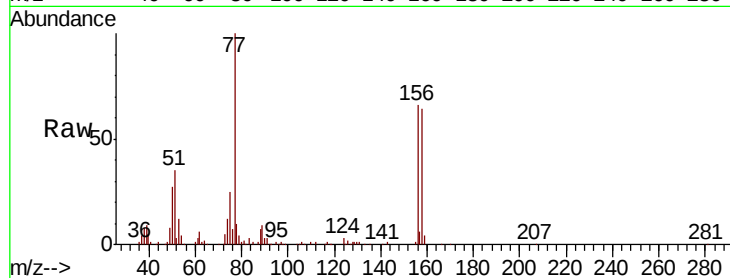
Tot Ion:156 Resp: 110845

Ion Ratio Lower Upper

156 100

77 170.3 86.6 259.7

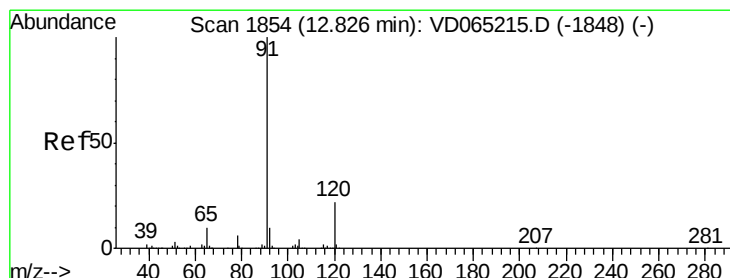
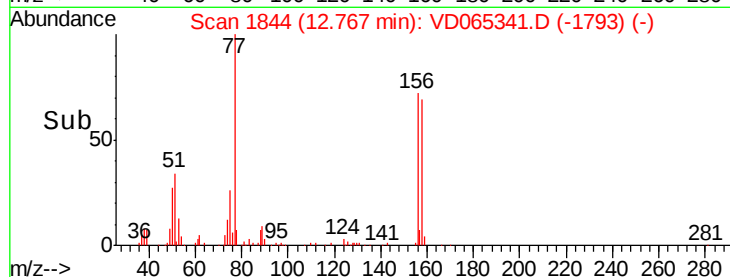
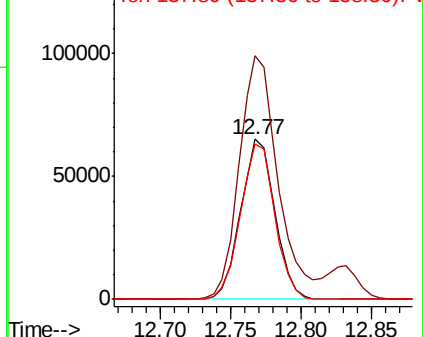
158 97.1 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.527 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065341.D

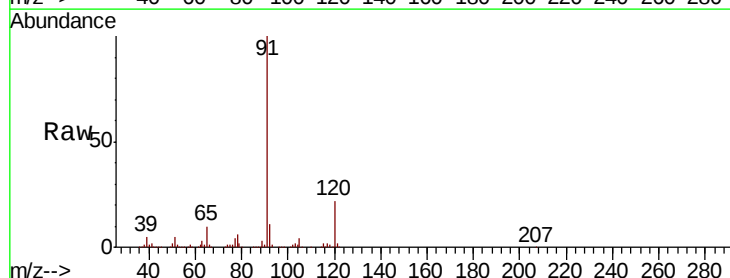
Acq: 27 Feb 2020 11:50

Tgt Ion: 91 Resp: 547089

Ion Ratio Lower Upper

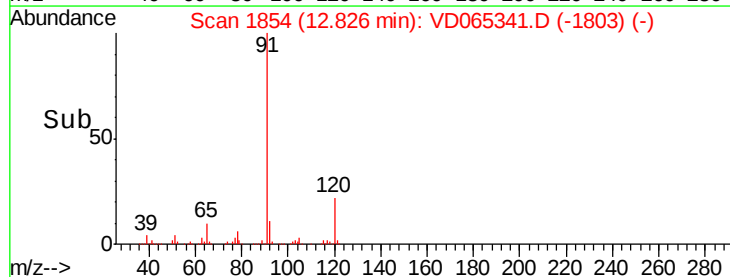
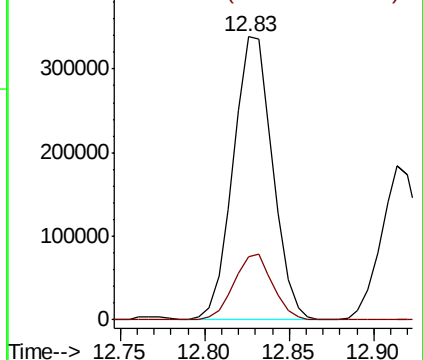
91 100

120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

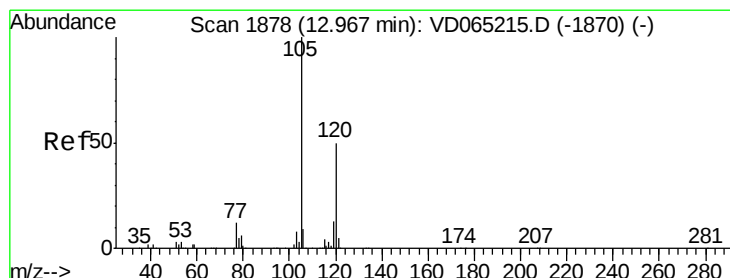
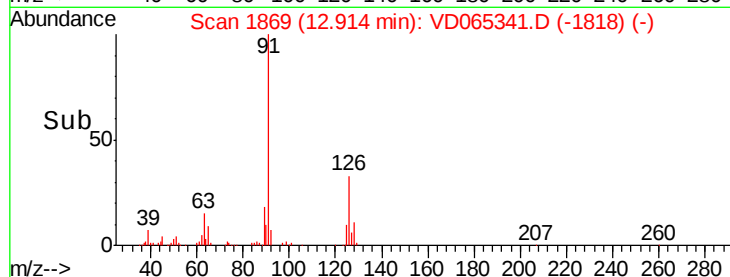
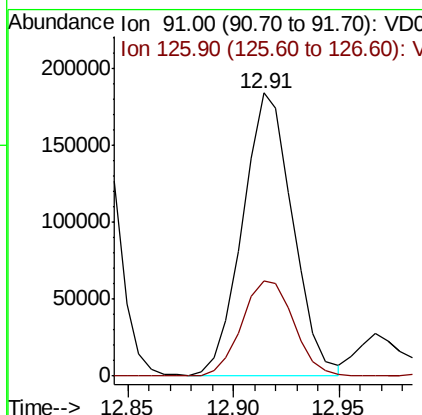
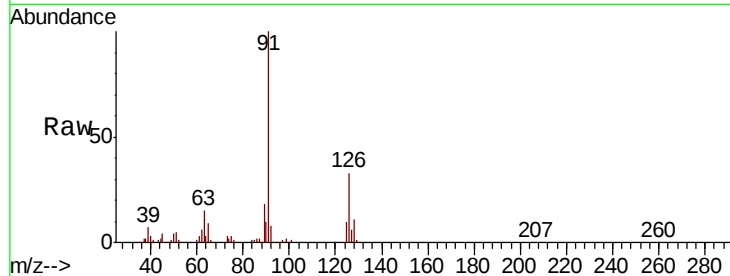




#79
 2-Chlorotoluene
 Concen: 21.258 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

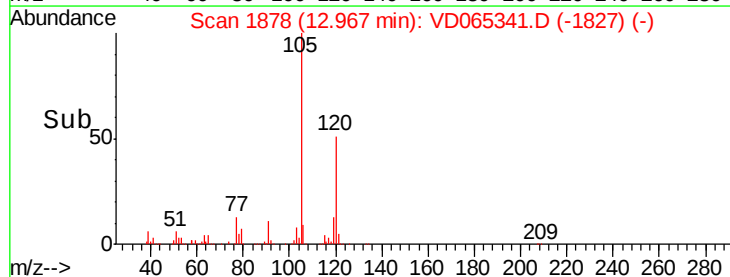
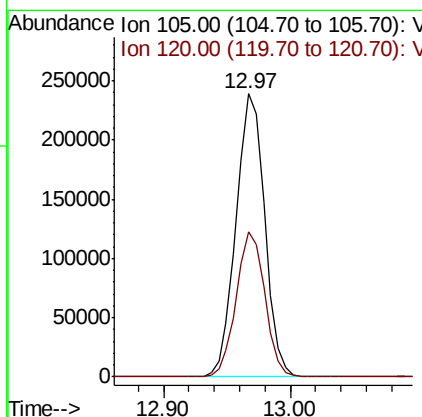
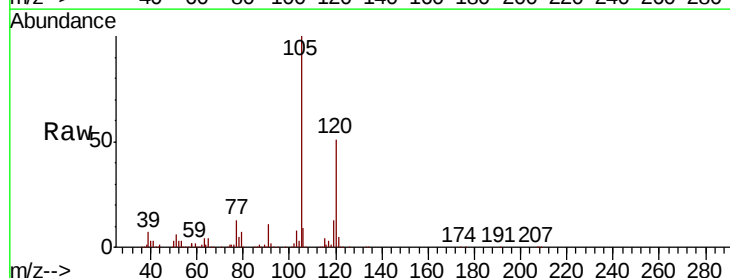
Instrument :
 MSVOA_D
 ClientSampleId :

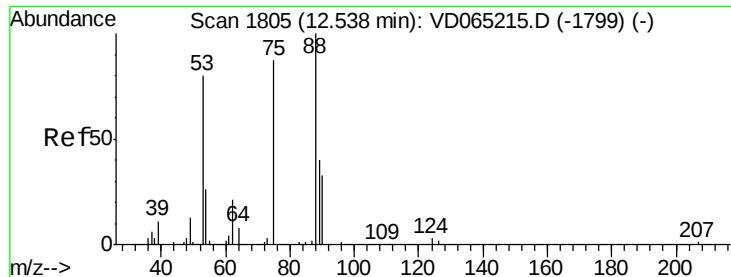
Tot Ion: 91 Resp: 302648
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.474 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion: 105 Resp: 374022
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.4 76.4

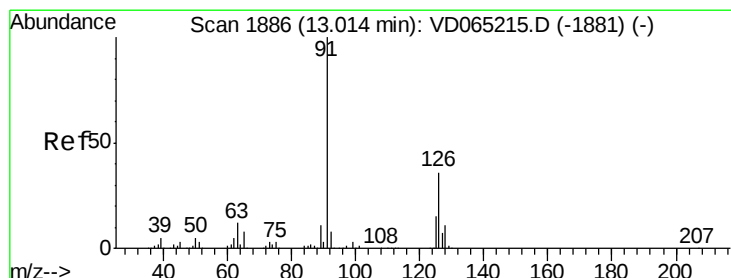
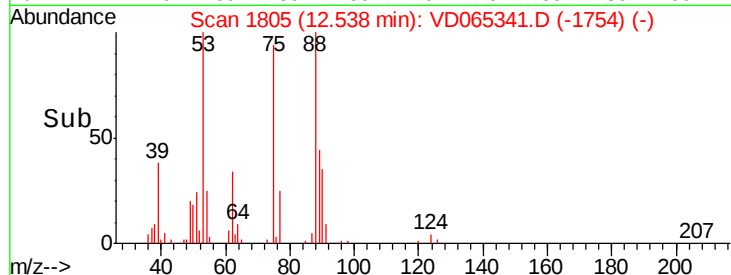
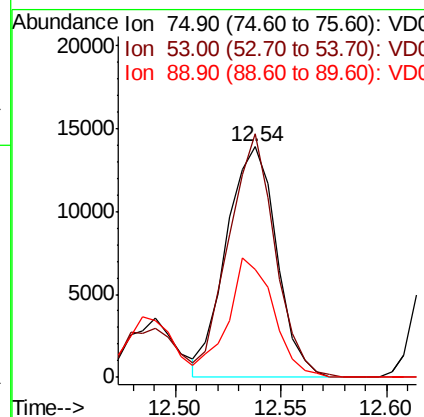
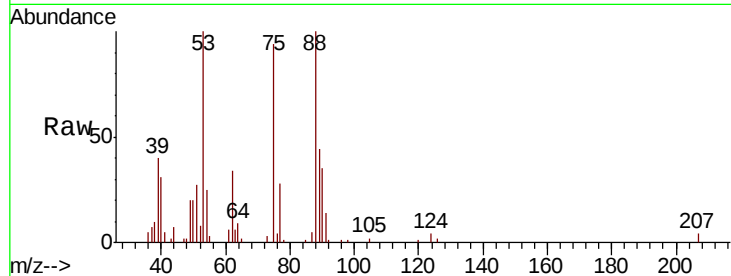




#81
trans-1,4-Dichloro-2-butene
Concen: 18.231 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

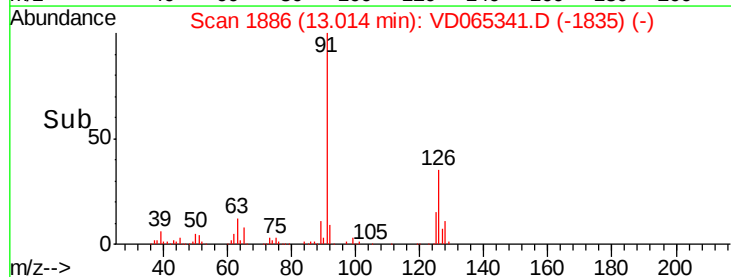
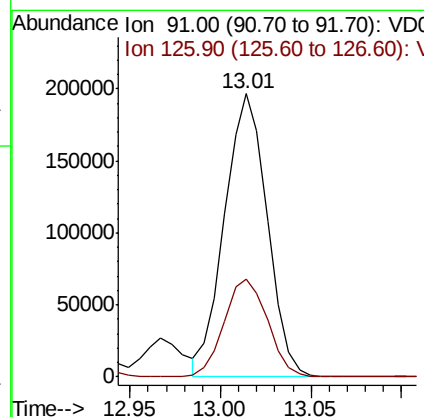
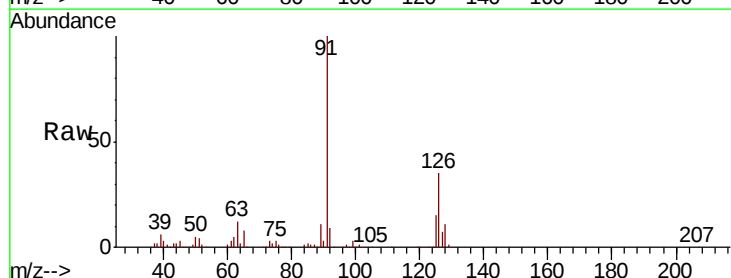
Instrument :
MSVOA_D
ClientSampleId :

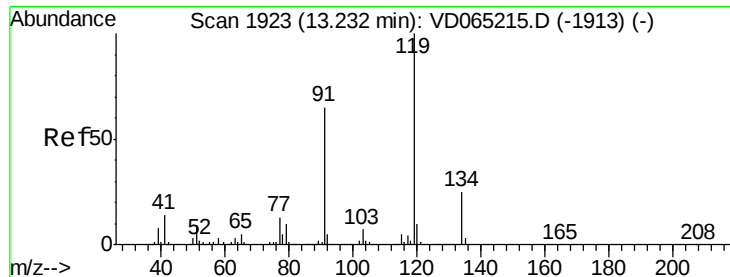
Tot Ion: 75 Resp: 22948
Ion Ratio Lower Upper
75 100
53 97.1 77.6 116.4
89 46.7 37.2 55.8



#82
4-Chlorotoluene
Concen: 21.202 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion: 91 Resp: 320456
Ion Ratio Lower Upper
91 100
126 35.2 17.4 52.3

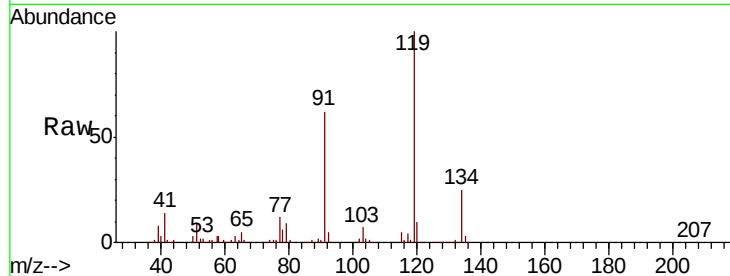




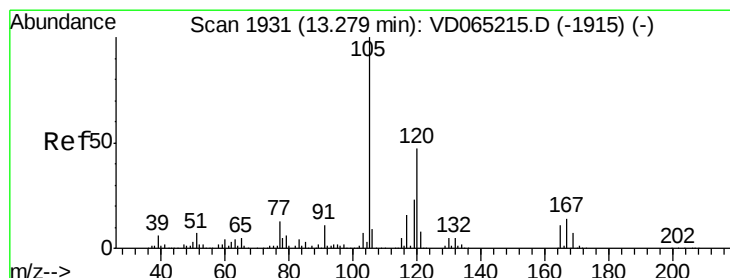
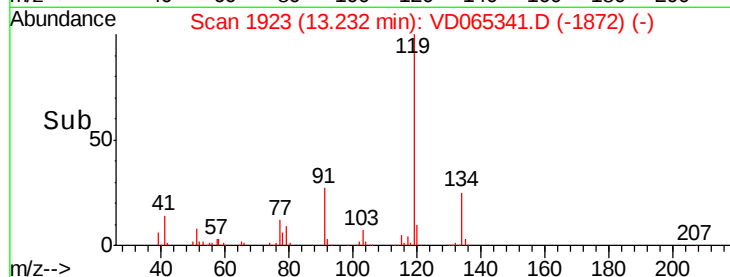
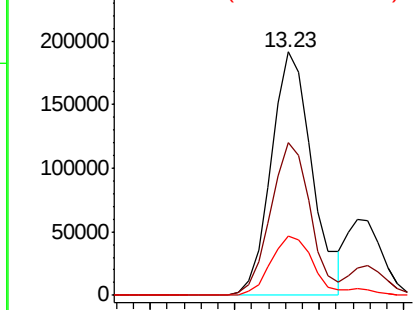
#83
tert-Butylbenzene
Concen: 21.966 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 320663
Ion Ratio Lower Upper
119 100
91 60.8 31.9 95.5
134 26.7 13.8 41.3

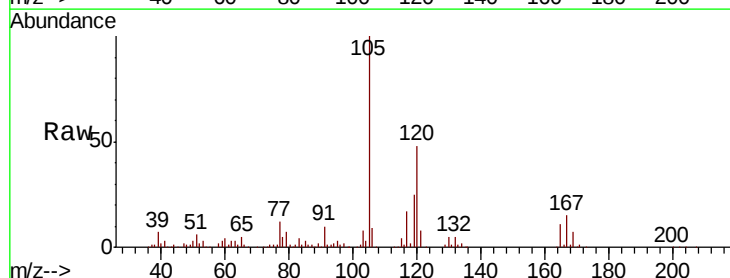


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

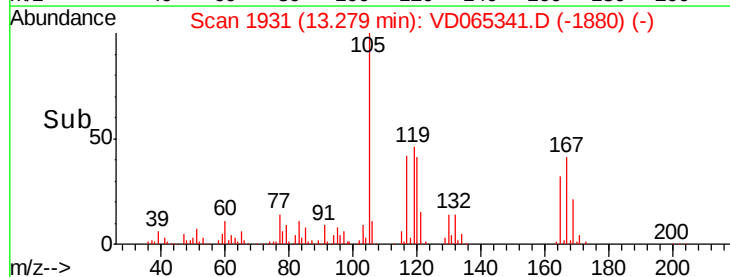
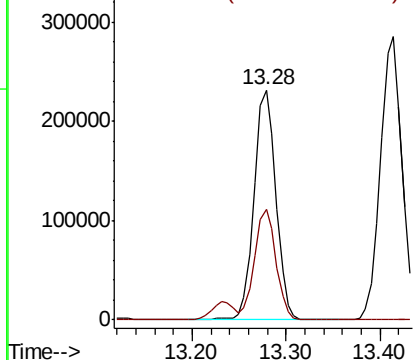


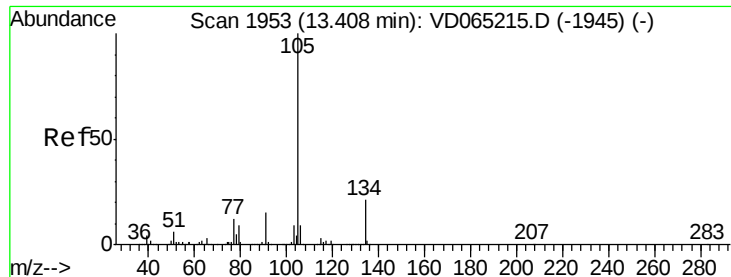
#84
1,2,4-Trimethylbenzene
Concen: 21.425 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion:105 Resp: 373525
Ion Ratio Lower Upper
105 100
120 47.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.464 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

Instrument :

MSVOA_D

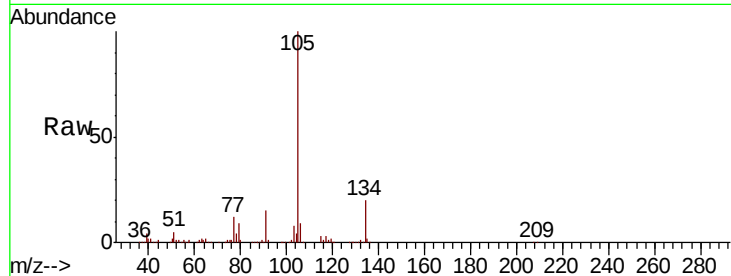
ClientSampleId :

Tot Ion:105 Resp: 451503

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

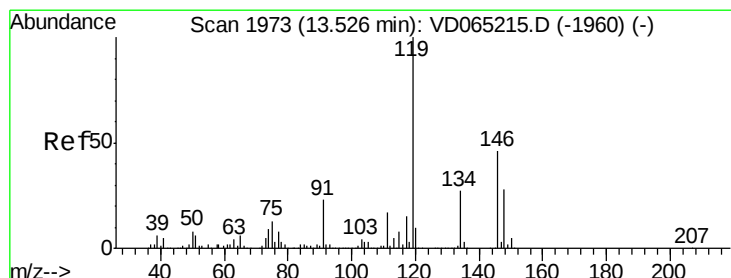
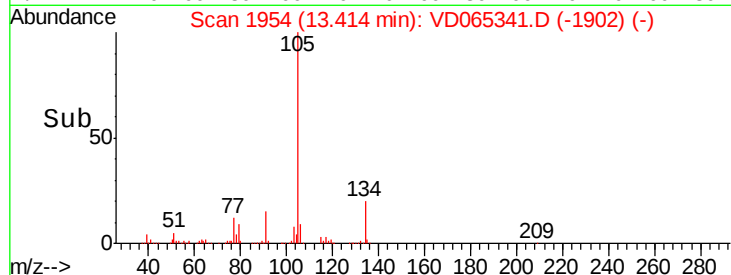
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.349 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065341.D

Acq: 27 Feb 2020 11:50

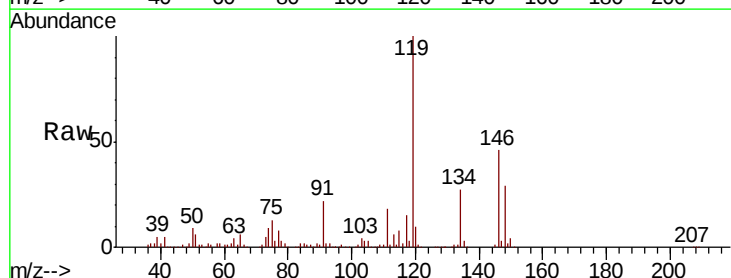
Tgt Ion:119 Resp: 410683

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 22.0 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

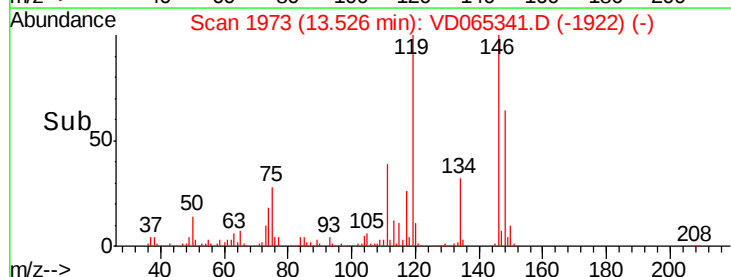
300000

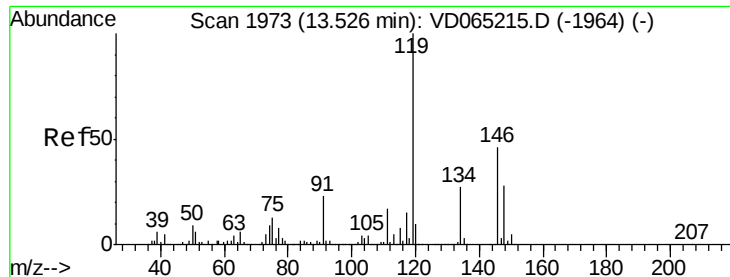
200000

100000

0

Time-->

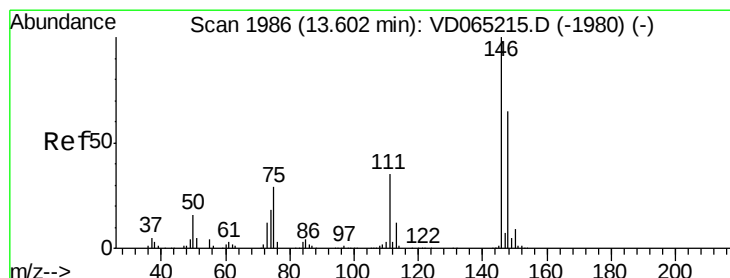
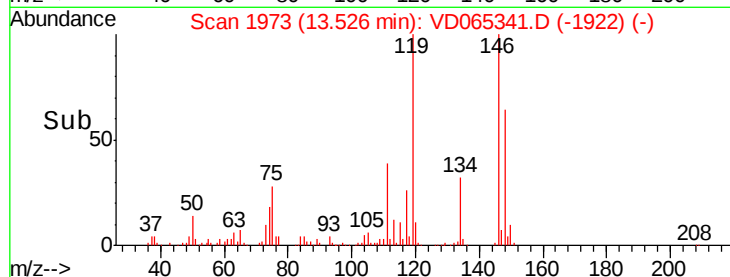
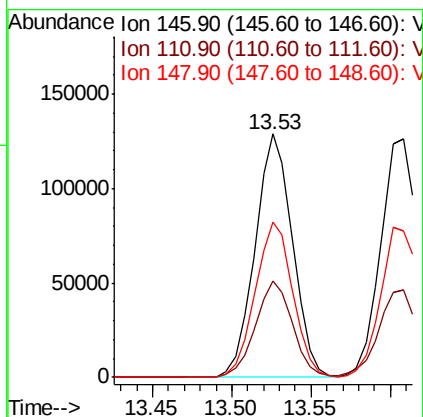
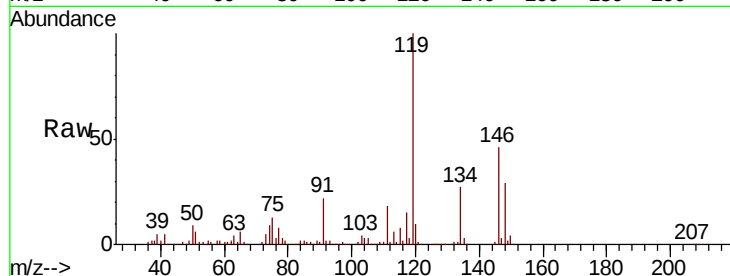




#87
 1,3-Dichlorobenzene
 Concen: 20.852 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

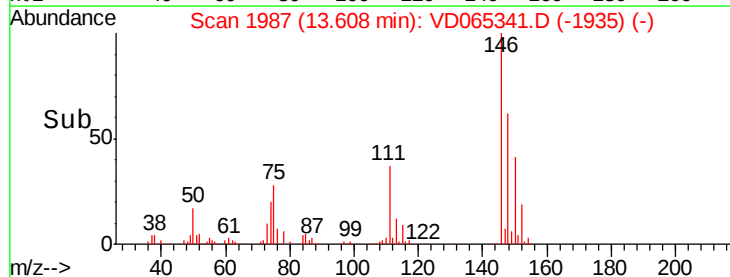
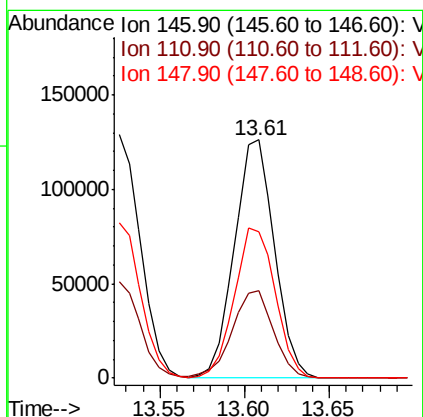
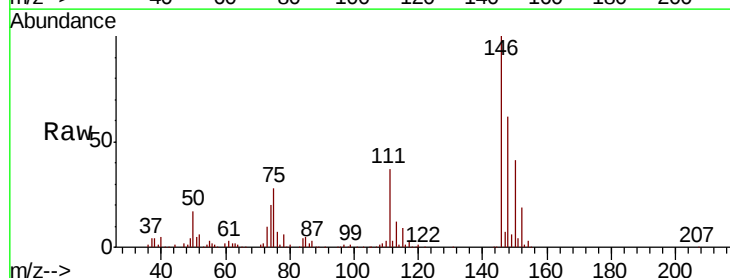
Instrument :
 MSVOA_D
 ClientSampleId :

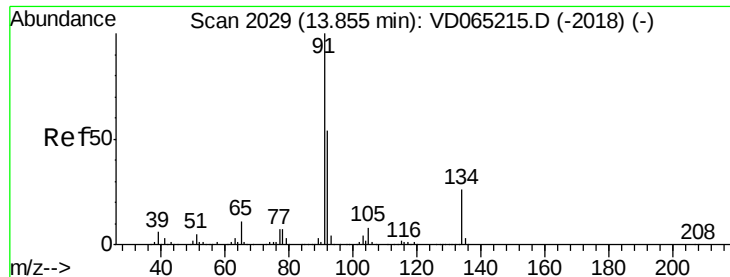
Tot Ion:146 Resp: 211686
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.6 55.8
 148 64.0 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.847 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion:146 Resp: 208875
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.4 55.2
 148 64.3 32.1 96.5

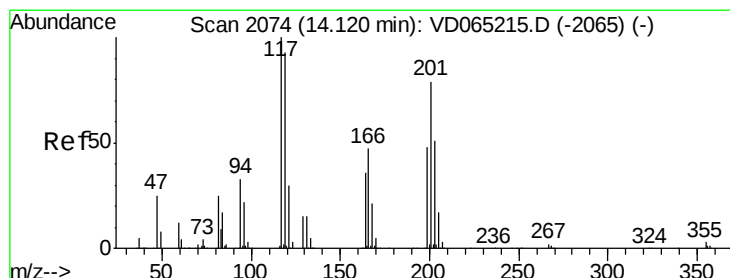
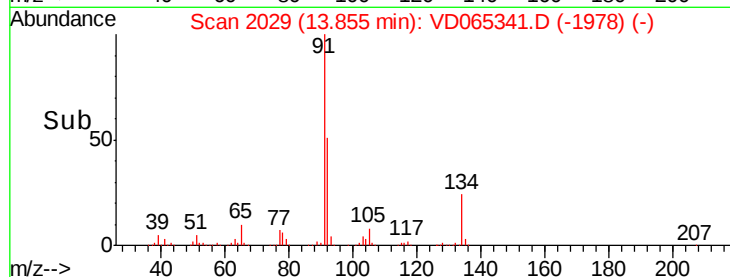
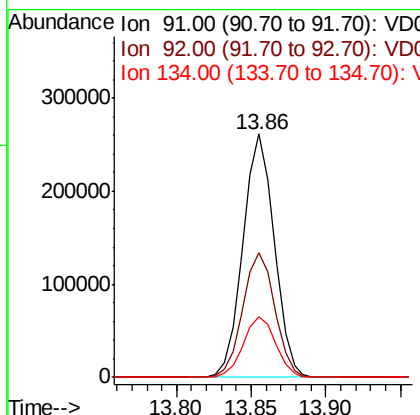
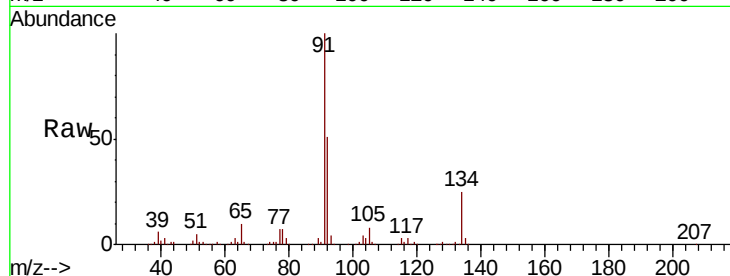




#89
n-Butylbenzene
Concen: 21.449 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

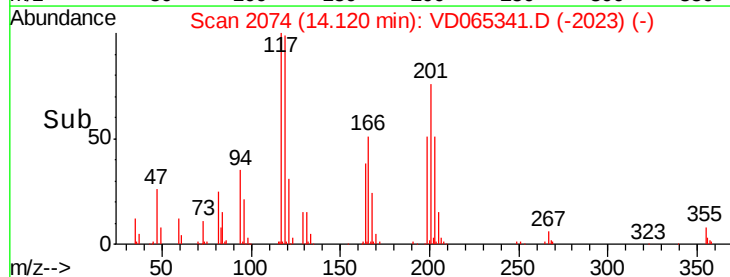
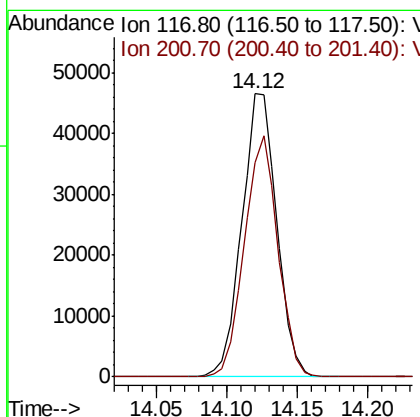
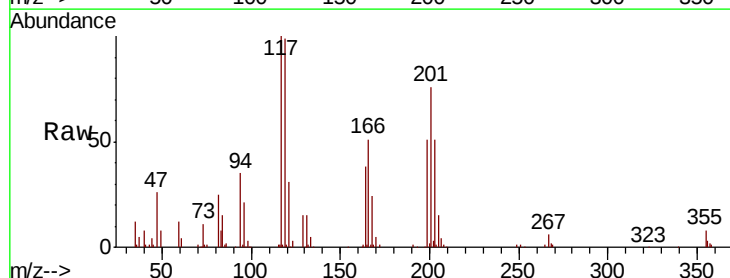
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 380210
Ion Ratio Lower Upper
91 100
92 52.3 27.0 80.8
134 25.8 13.5 40.4



#90
Hexachloroethane
Concen: 20.659 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion: 117 Resp: 80693
Ion Ratio Lower Upper
117 100
201 81.7 41.3 124.1

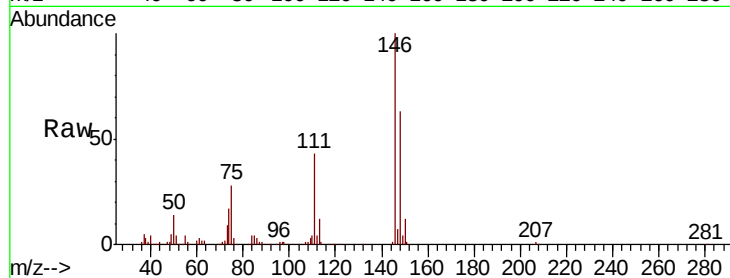




#91
 1,2-Dichlorobenzene
 Concen: 20.772 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.7	59.0
148	62.8	32.0	96.2

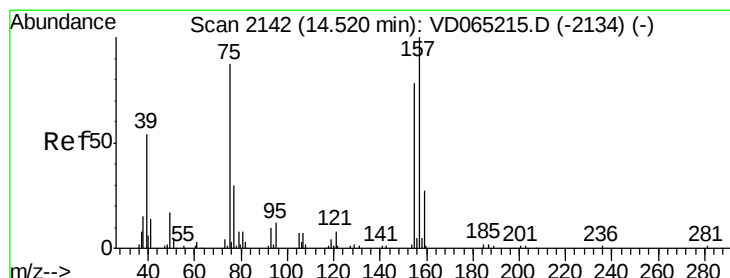
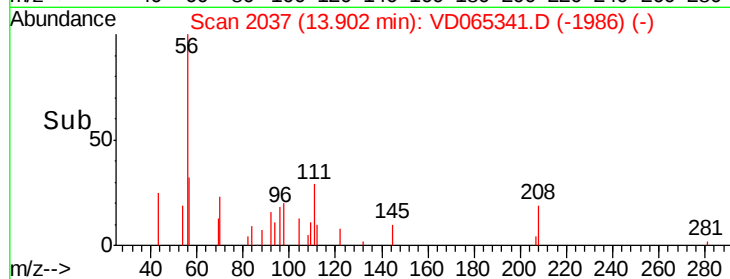
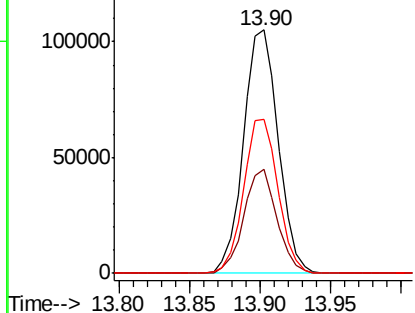


Abundance

Ion 145.90 (145.60 to 146.60): V

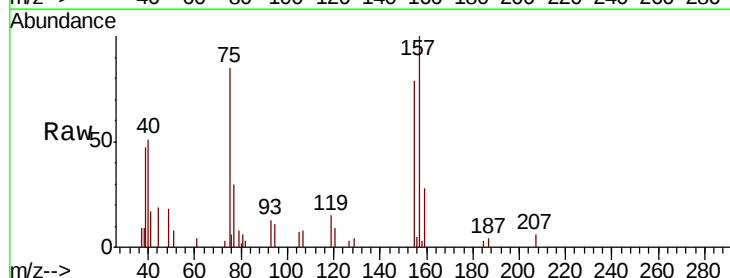
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.466 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	42.3	126.9
157	123.8	56.7	170.1

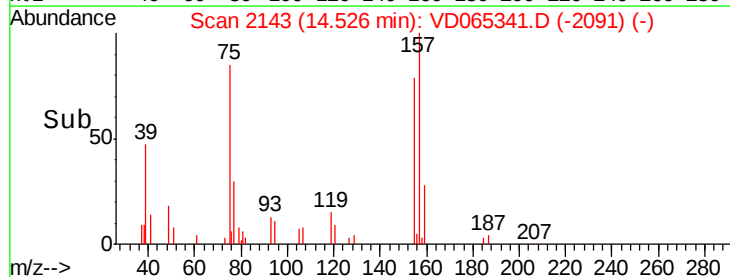
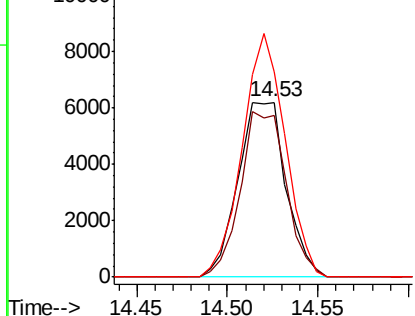


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

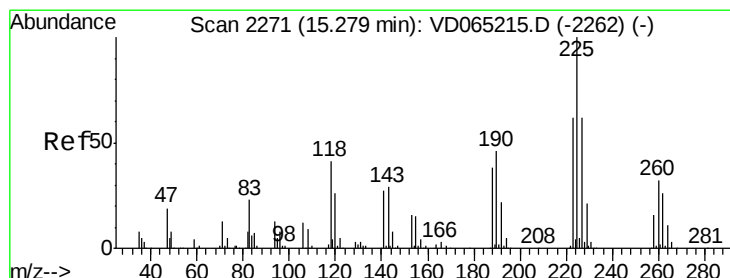
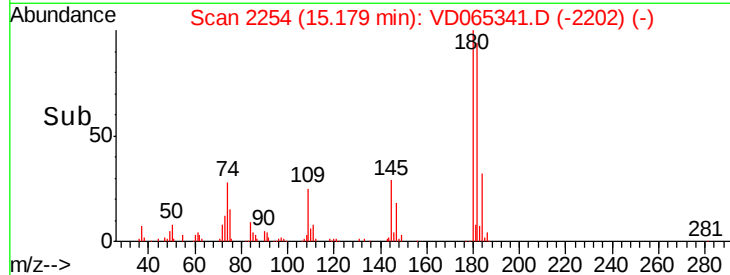
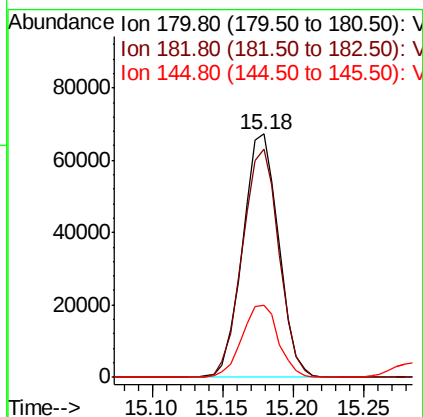
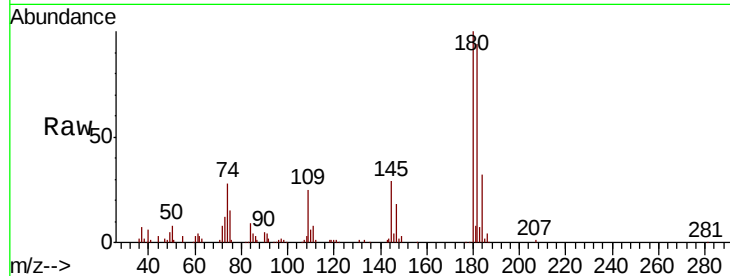




#93
 1,2,4-Trichlorobenzene
 Concen: 21.080 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

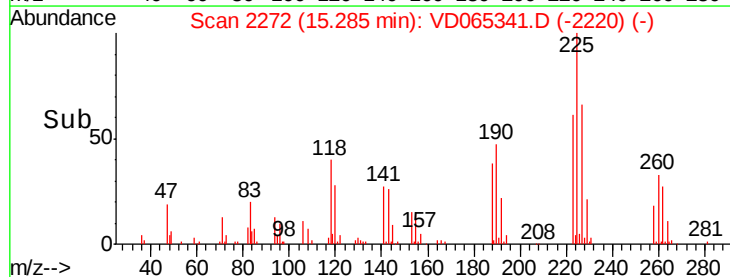
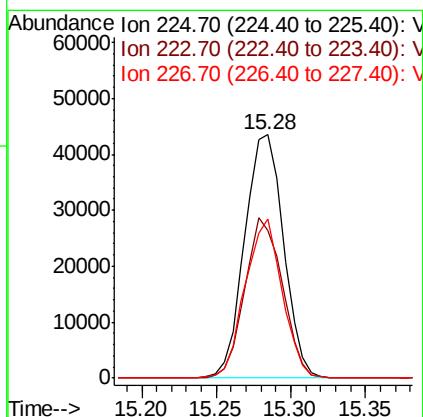
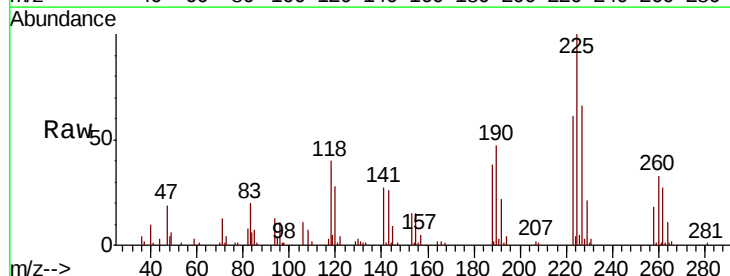
Instrument :
 MSVOA_D
 ClientSampleId :

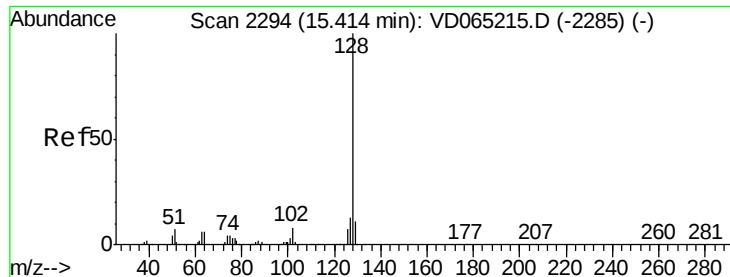
Tot Ion:180 Resp: 120191
 Ion Ratio Lower Upper
 180 100
 182 95.5 46.9 140.6
 145 30.1 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 21.435 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065341.D
 Acq: 27 Feb 2020 11:50

Tgt Ion:225 Resp: 78401
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.4 94.2
 227 62.6 31.7 95.1

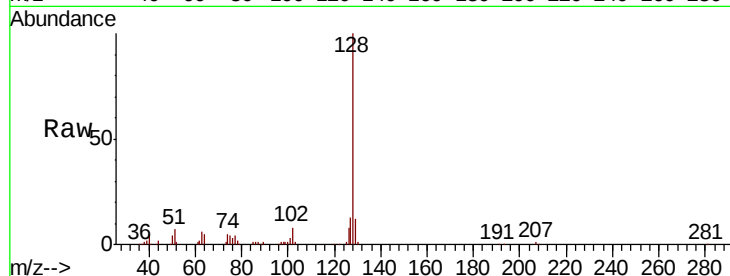




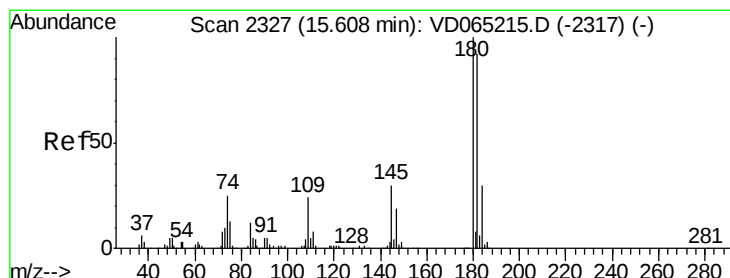
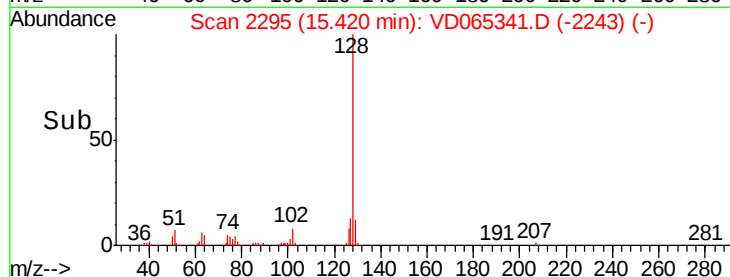
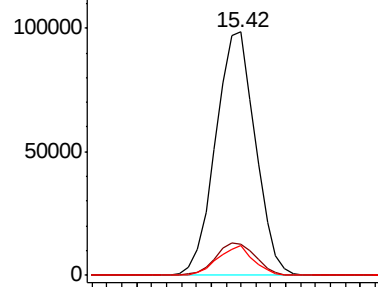
#95
Naphthalene
Concen: 19.524 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.9	8.8	13.2

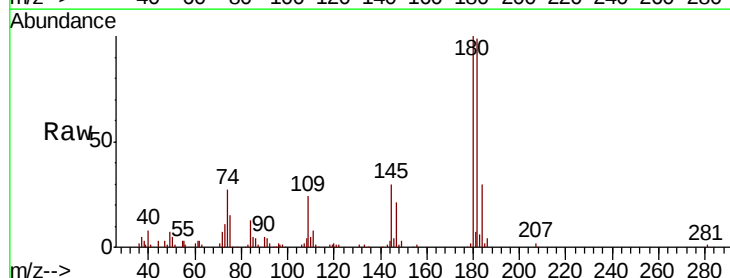


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.876 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065341.D
Acq: 27 Feb 2020 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	46.9	140.6
145	31.0	15.4	46.1



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

