

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065443.D
 Acq On : 09 Mar 2020 11:59
 Operator : VA/SY
 Sample : VD0309SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:17:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	489876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	648518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207825	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.92	113	227378	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.34	98	879653	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.64	95	280775	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95526	22.689	ug/l	97
3) Chloromethane	2.21	50	107157	21.082	ug/l	97
4) Vinyl Chloride	2.35	62	108220	21.586	ug/l	95
5) Bromomethane	2.77	94	66993	21.079	ug/l	97
6) Chloroethane	2.92	64	64910	21.139	ug/l	98
7) Trichlorofluoromethane	3.27	101	155418	21.038	ug/l	99
8) Diethyl Ether	3.70	74	43022	19.583	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	101988	21.436	ug/l	99
10) Methyl Iodide	4.29	142	95234	19.267	ug/l	99
11) Tert butyl alcohol	5.23	59	27193	112.818	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	94579	20.760	ug/l	94
13) Acrolein	3.92	56	33986	81.758	ug/l	97
14) Allyl chloride	4.71	41	135394	19.346	ug/l	99
15) Acrylonitrile	5.43	53	87530	91.584	ug/l	99
16) Acetone	4.16	43	74200	87.310	ug/l	95
17) Carbon Disulfide	4.40	76	314453	20.726	ug/l	99
18) Methyl Acetate	4.73	43	40241	18.667	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	164279	18.751	ug/l	93
20) Methylene Chloride	4.97	84	106745	21.134	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	105105	20.739	ug/l	100
22) Diisopropyl ether	6.37	45	268565	20.643	ug/l	99
23) Vinyl Acetate	6.31	43	678167	93.879	ug/l	100
24) 1,1-Dichloroethane	6.27	63	173025	20.734	ug/l	97
25) 2-Butanone	7.22	43	102829	88.665	ug/l	98
26) 2,2-Dichloropropane	7.21	77	152922	20.970	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105681	20.401	ug/l	99
28) Bromochloromethane	7.55	49	67930	20.346	ug/l	99
29) Tetrahydrofuran	7.57	42	66709	90.071	ug/l	98
30) Chloroform	7.71	83	175065	20.989	ug/l	98
31) Cyclohexane	7.98	56	171371	20.537	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	159948	20.751	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139257	20.204	ug/l	98
37) Ethyl Acetate	7.30	43	49159	18.453	ug/l	98
38) Carbon Tetrachloride	8.10	117	148439	20.769	ug/l	98

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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	169636	20.378	ug/l	94
40) Benzene	8.36	78	401638	20.842	ug/l	99
41) Methacrylonitrile	7.57	41	66973	47.537	ug/l #	15
42) 1,2-Dichloroethane	8.43	62	100944	20.060	ug/l	98
43) Isopropyl Acetate	8.46	43	87473	17.783	ug/l	97
44) Trichloroethene	9.11	130	111998	20.580	ug/l	98
45) 1,2-Dichloropropane	9.39	63	97974	20.988	ug/l	98
46) Dibromomethane	9.48	93	48412	19.994	ug/l	98
47) Bromodichloromethane	9.67	83	128462	20.393	ug/l	98
48) Methyl methacrylate	9.46	41	40018	17.295	ug/l	93
49) 1,4-Dioxane	9.47	88	9860	356.002	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	232959	94.113	ug/l	97
52) Toluene	10.41	92	254594	20.971	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	115113	19.555	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	143471	20.135	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67261	19.613	ug/l	98
56) Ethyl methacrylate	10.67	69	70749	18.300	ug/l	97
57) 1,3-Dichloropropane	10.95	76	115683	19.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	115082	96.590	ug/l	99
59) 2-Hexanone	10.99	43	149813	87.430	ug/l	100
60) Dibromochloromethane	11.14	129	89804	20.429	ug/l	100
61) 1,2-Dibromoethane	11.25	107	65722	20.091	ug/l	98
64) Tetrachloroethene	10.88	164	98613	21.221	ug/l	97
65) Chlorobenzene	11.68	112	265607	20.696	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96944	20.741	ug/l	99
67) Ethyl Benzene	11.75	91	460912	20.785	ug/l	99
68) m/p-Xylenes	11.86	106	361772	42.311	ug/l	98
69) o-Xylene	12.18	106	155161	20.630	ug/l	98
70) Styrene	12.20	104	277416	20.958	ug/l	99
71) Bromoform	12.37	173	51603	19.655	ug/l #	98
73) Isopropylbenzene	12.48	105	432116	20.416	ug/l	100
74) N-amyl acetate	12.30	43	75912	17.519	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	69784	18.757	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	89246	35.148	ug/l #	100
77) Bromobenzene	12.77	156	105969	20.152	ug/l	98
78) n-propylbenzene	12.83	91	526418	20.962	ug/l	100
79) 2-Chlorotoluene	12.91	91	286476	20.241	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	365439	21.002	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21907	18.207	ug/l	96
82) 4-Chlorotoluene	13.01	91	308286	20.728	ug/l	97
83) tert-Butylbenzene	13.23	119	296449	20.138	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	367702	21.438	ug/l	100
85) sec-Butylbenzene	13.41	105	436934	20.794	ug/l	99
86) p-Isopropyltoluene	13.53	119	402659	21.000	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	208539	20.627	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	203188	20.204	ug/l	99
89) n-Butylbenzene	13.86	91	367623	20.739	ug/l	99
90) Hexachloroethane	14.12	117	82354	20.856	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	178755	20.777	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10463	18.466	ug/l	99

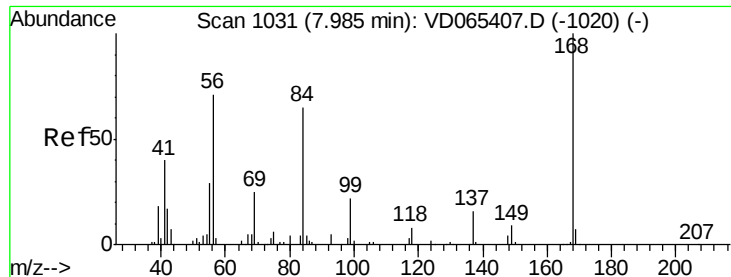
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116269	19.939	ug/l	99
94) Hexachlorobutadiene	15.28	225	79512	20.752	ug/l	97
95) Naphthalene	15.41	128	167423	19.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	100635	19.972	ug/l	100

(#) = 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: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

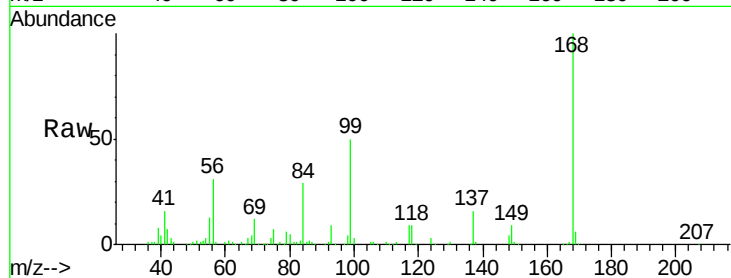
ClientSampleId :

Tot Ion:168 Resp: 489876

Ion Ratio Lower Upper

168 100

99 49.4 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

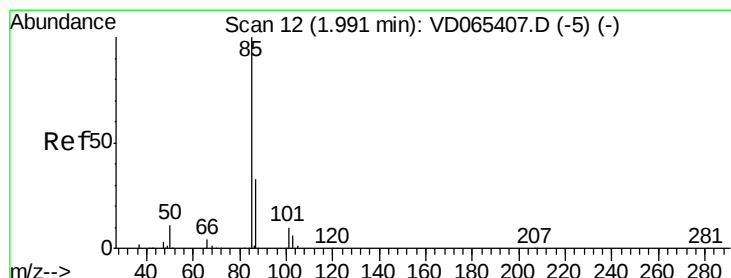
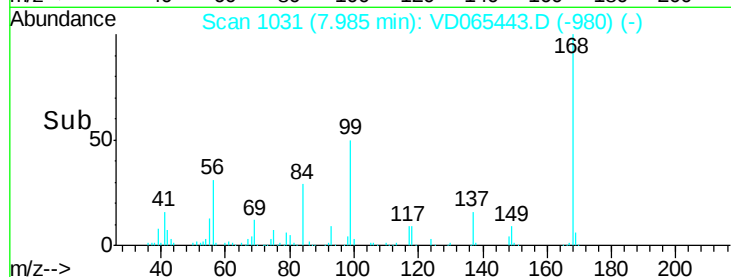
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.689 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065443.D

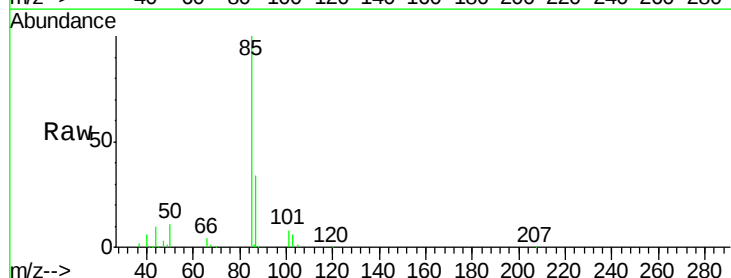
Acq: 09 Mar 2020 11:59

Tgt Ion: 85 Resp: 95526

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

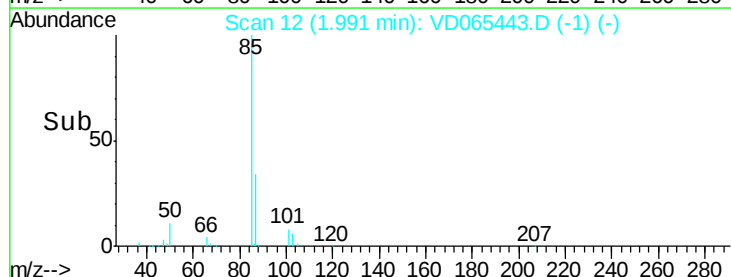
40000

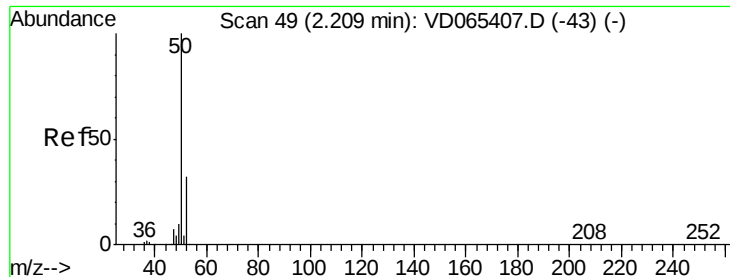
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.082 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

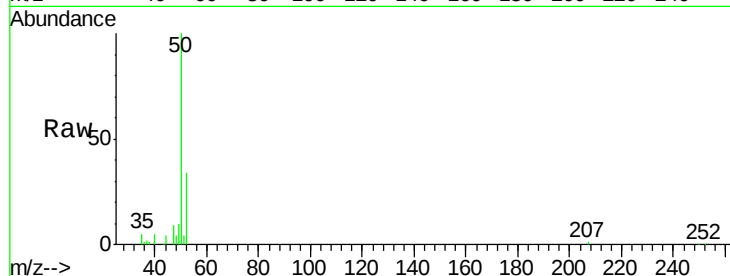
ClientSampleId :

Tot Ion: 50 Resp: 107157

Ion Ratio Lower Upper

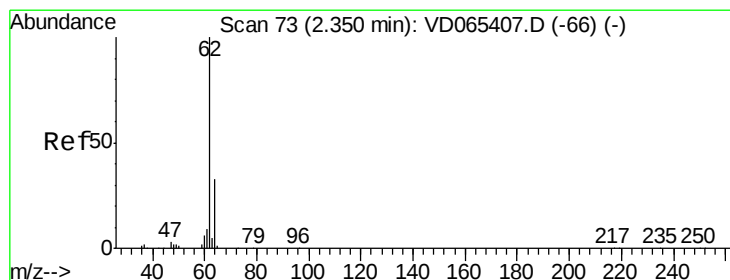
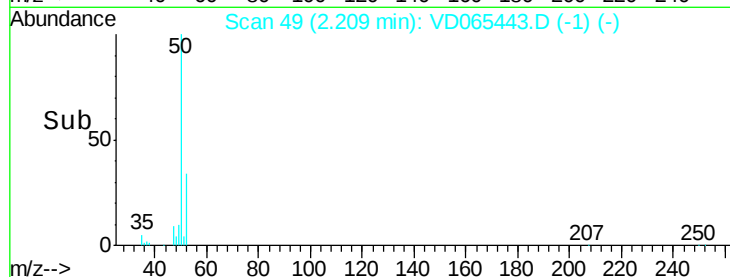
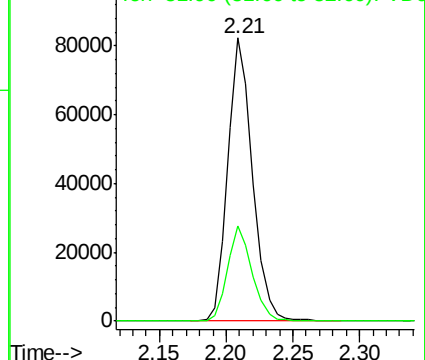
50 100

52 33.7 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.586 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065443.D

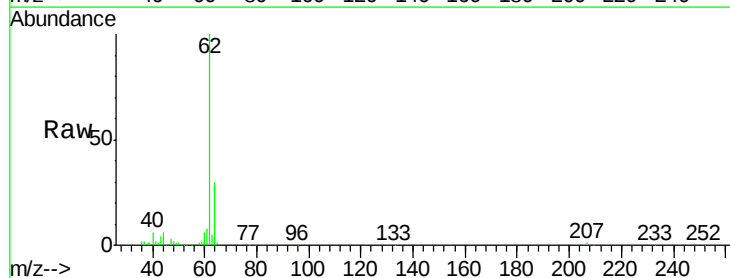
Acq: 09 Mar 2020 11:59

Tgt Ion: 62 Resp: 108220

Ion Ratio Lower Upper

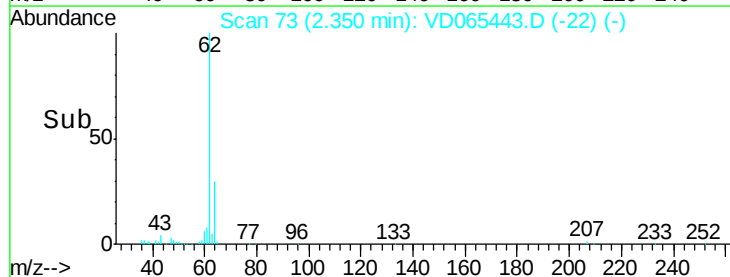
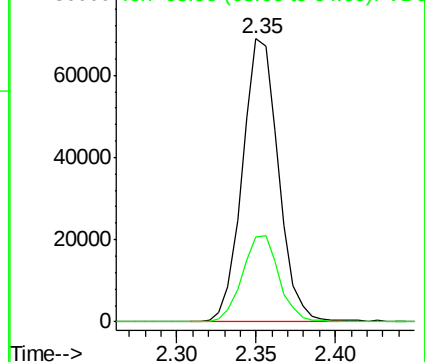
62 100

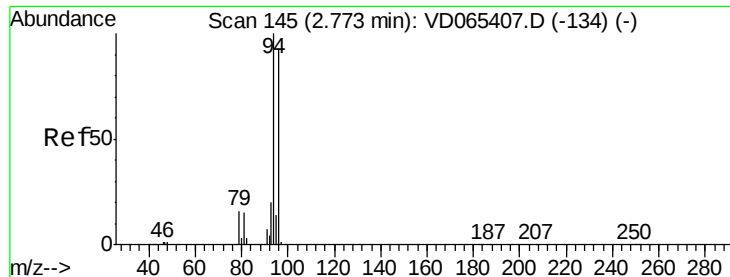
64 30.1 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.079 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

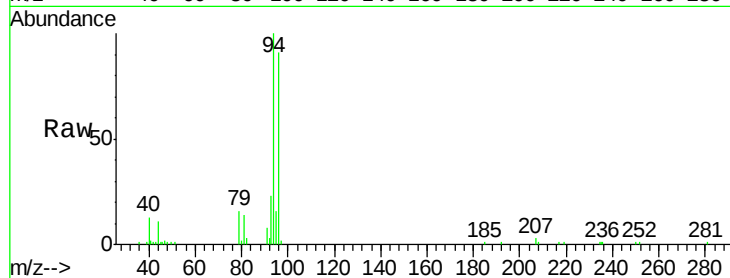
ClientSampleId :

Tot Ion: 94 Resp: 66993

Ion Ratio Lower Upper

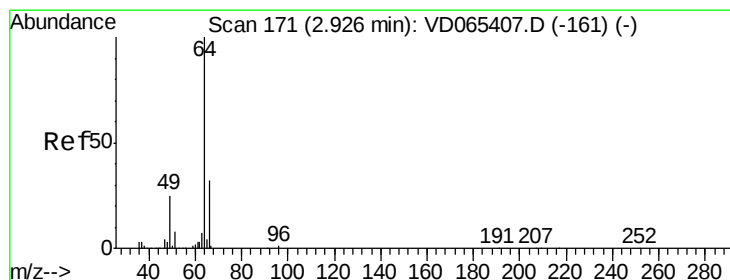
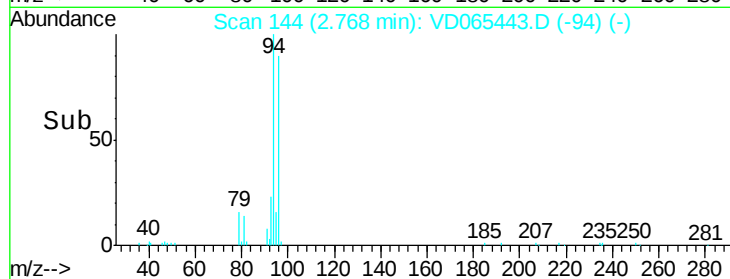
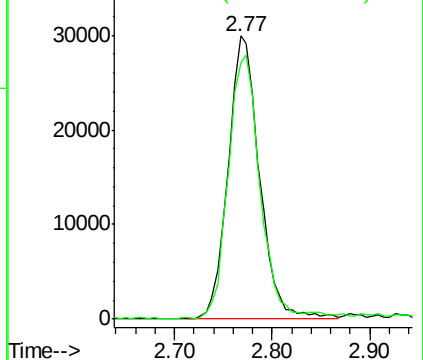
94 100

96 90.0 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.139 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065443.D

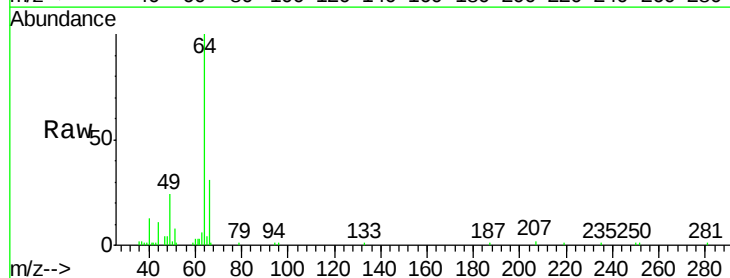
Acq: 09 Mar 2020 11:59

Tgt Ion: 64 Resp: 64910

Ion Ratio Lower Upper

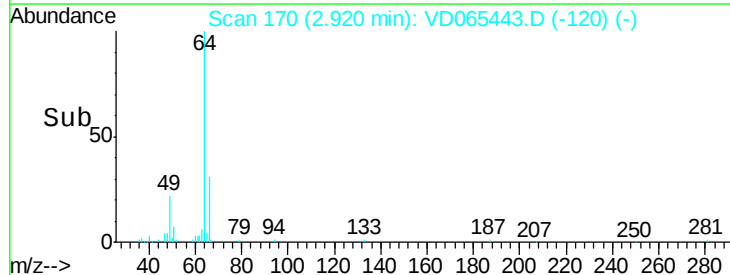
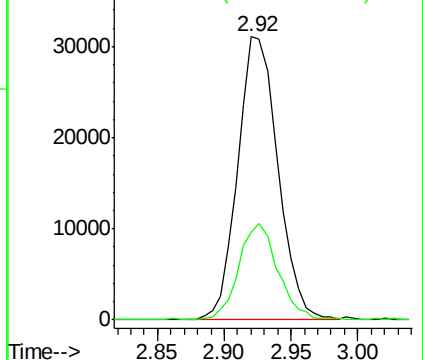
64 100

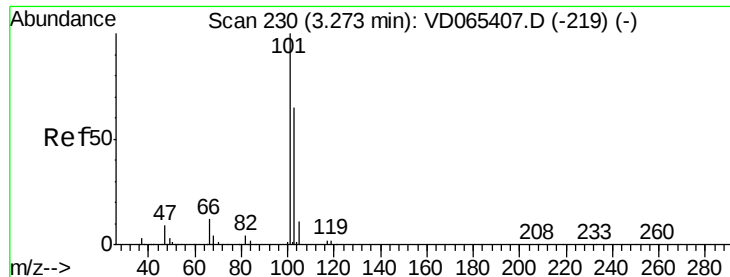
66 30.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



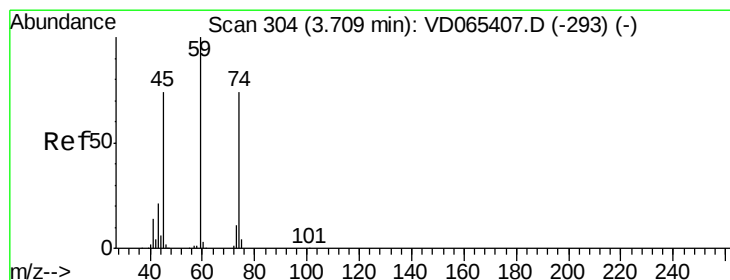
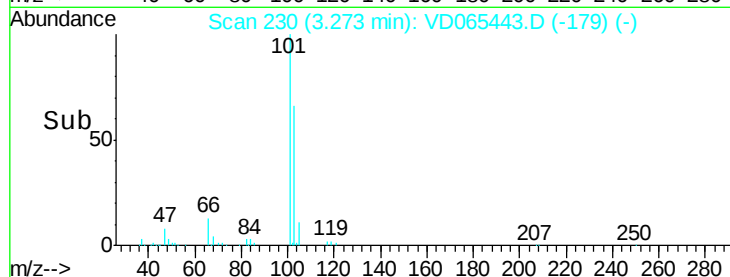
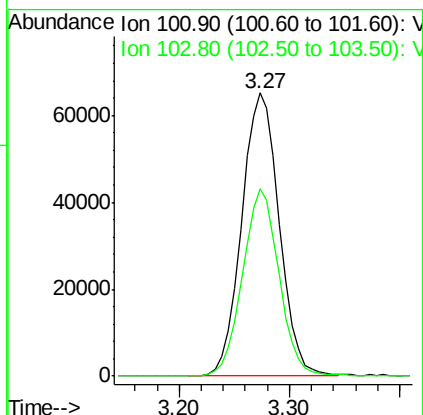
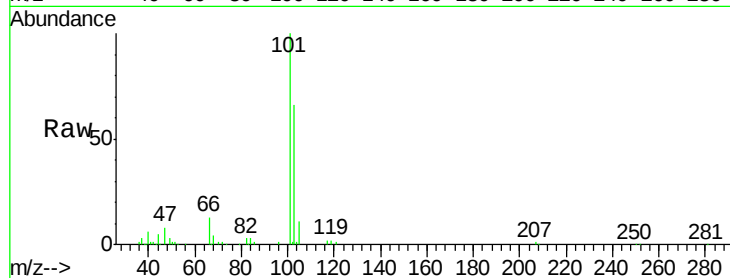


#7

Trichlorofluoromethane
Concen: 21.038 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :

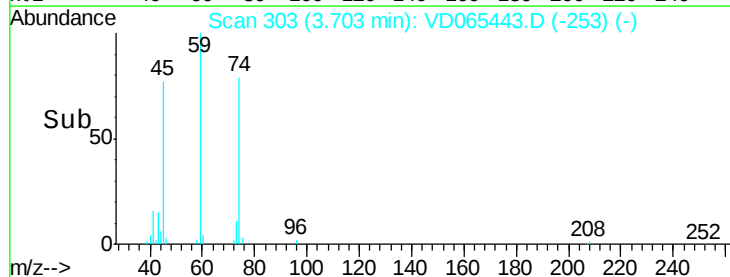
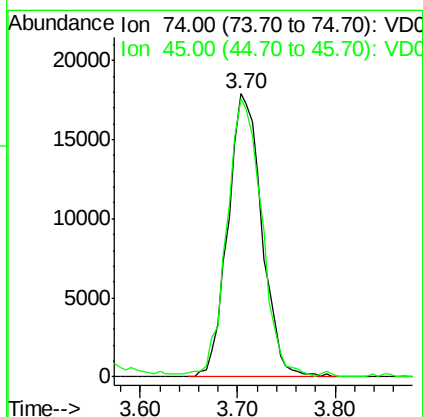
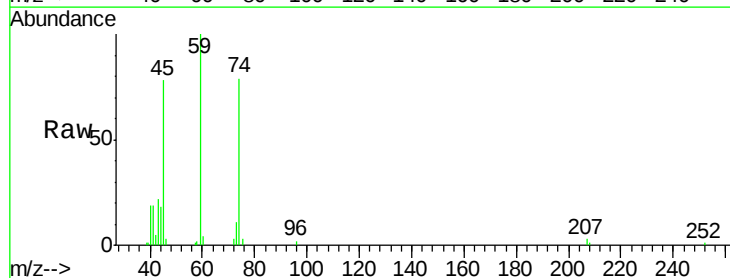
Tot Ion:101 Resp: 155418
Ion Ratio Lower Upper
101 100
103 66.2 52.1 78.1

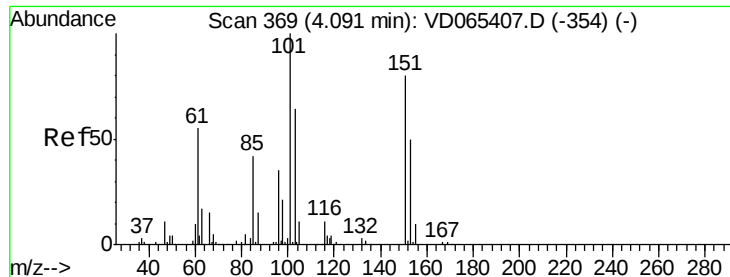


#8

Diethyl Ether
Concen: 19.583 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 74 Resp: 43022
Ion Ratio Lower Upper
74 100
45 101.6 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.436 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

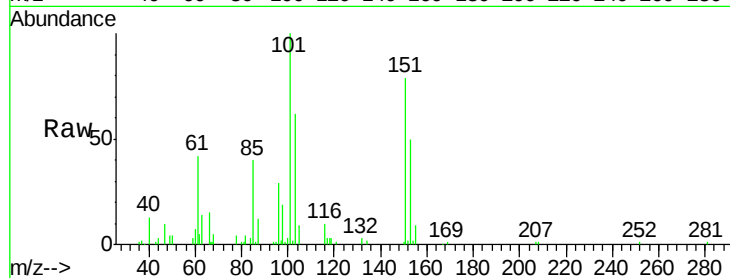
Tot Ion:101 Resp: 101988

Ion Ratio Lower Upper

101 100

85 41.1 34.2 51.2

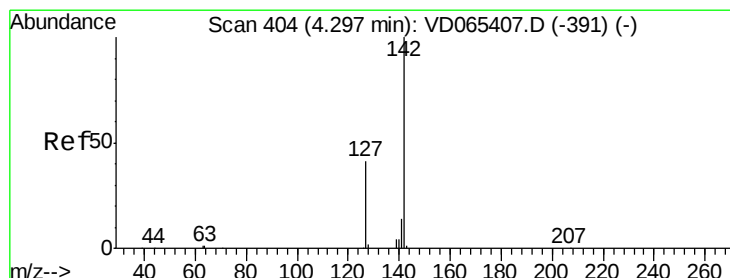
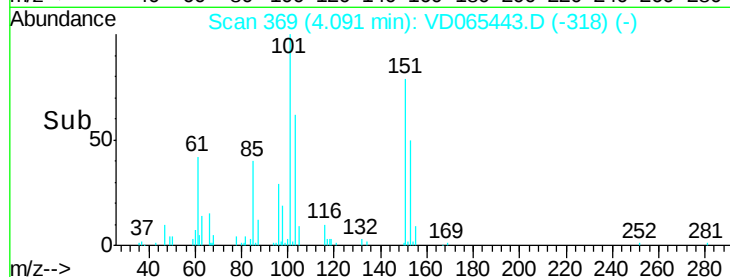
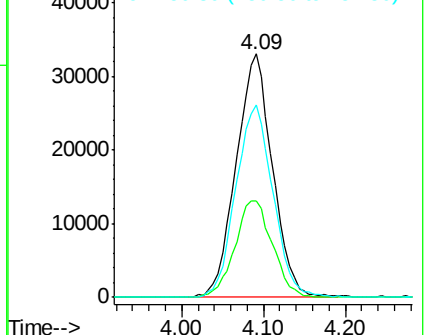
151 80.9 65.1 97.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.267 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

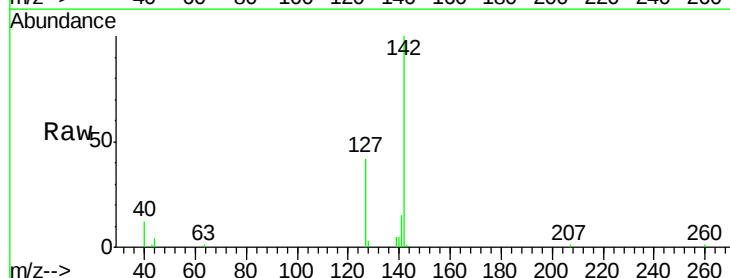
Tgt Ion:142 Resp: 95234

Ion Ratio Lower Upper

142 100

127 43.1 35.0 52.6

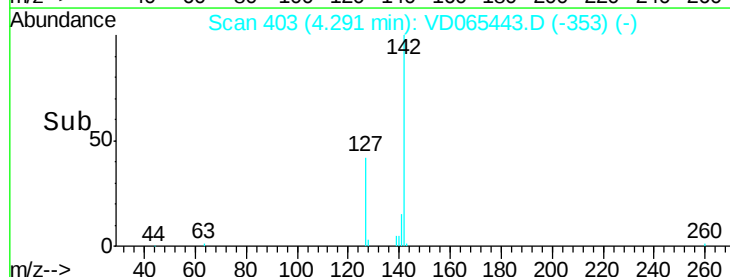
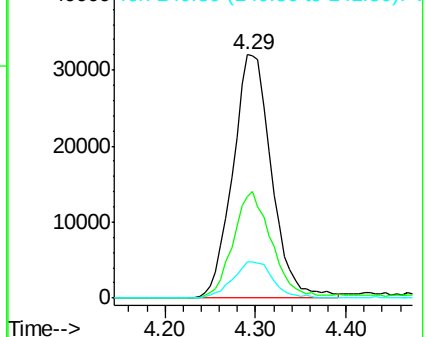
141 15.3 12.4 18.6

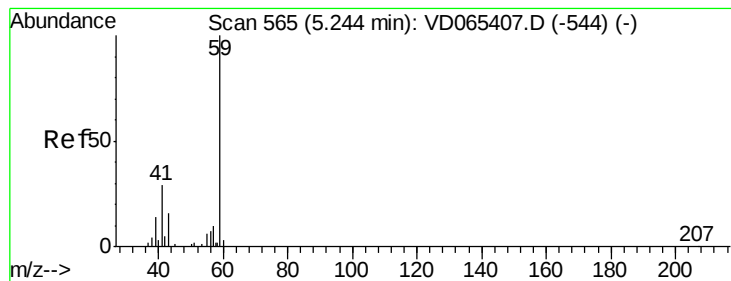


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



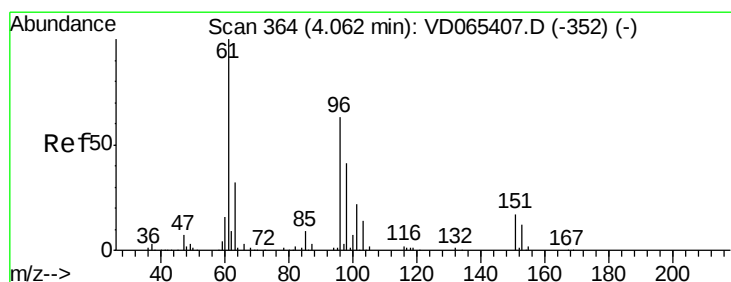
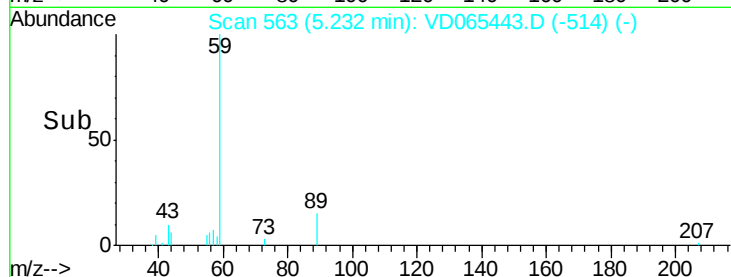
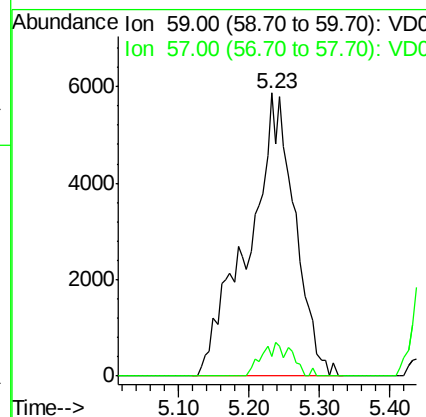
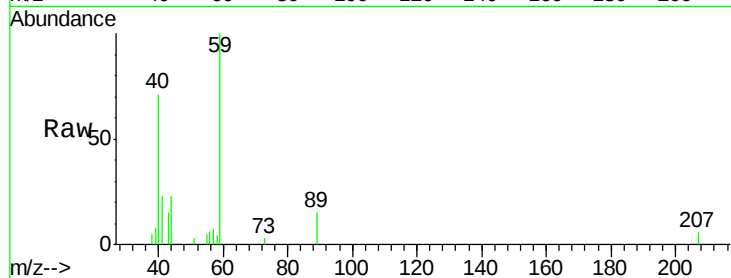


#11

Tert butyl alcohol
Concen: 112.818 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :

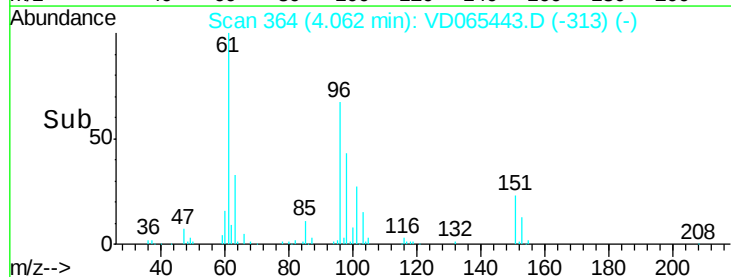
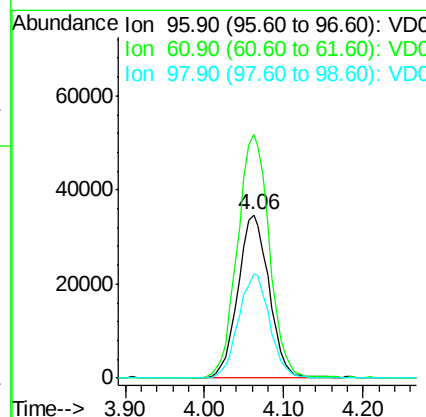
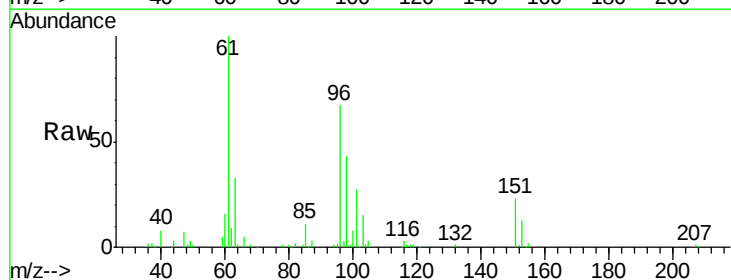
Tot Ion: 59 Resp: 27193
Ion Ratio Lower Upper
59 100
57 5.3 6.9 10.3#

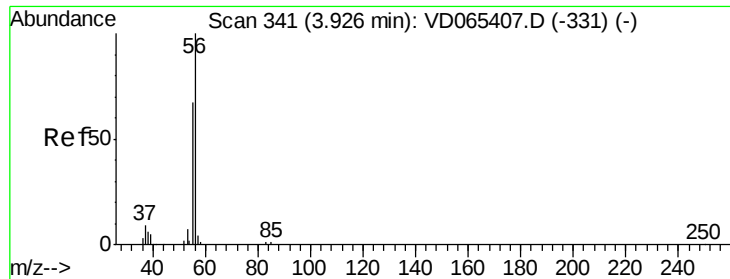


#12

1,1-Dichloroethene
Concen: 20.760 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 96 Resp: 94579
Ion Ratio Lower Upper
96 100
61 149.2 128.0 192.0
98 63.8 51.9 77.9





#13

Acrolein

Concen: 81.758 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

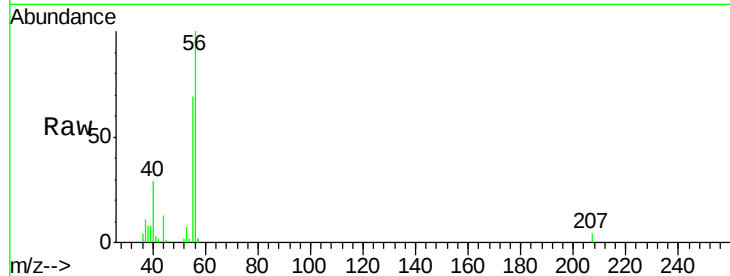
ClientSampleId :

Tot Ion: 56 Resp: 33986

Ion Ratio Lower Upper

56 100

55 73.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

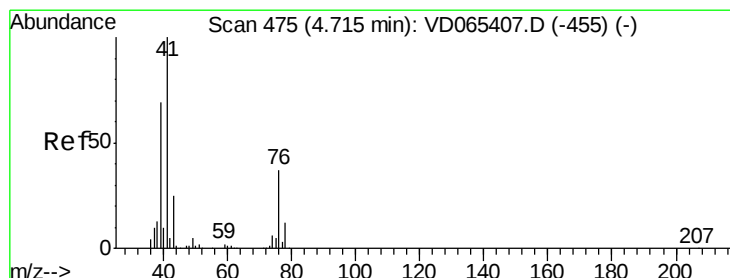
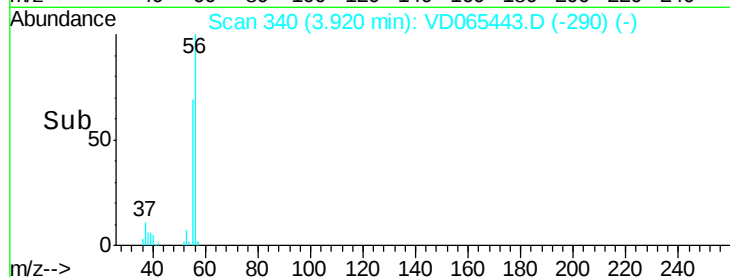
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 19.346 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

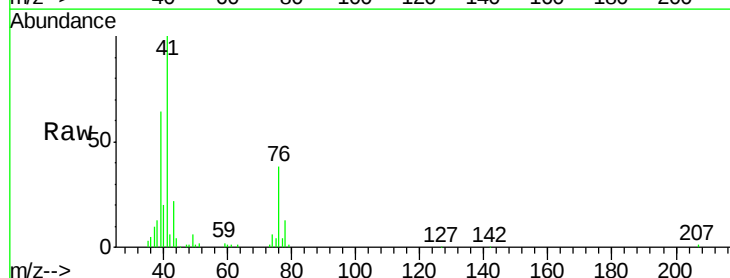
Tgt Ion: 41 Resp: 135394

Ion Ratio Lower Upper

41 100

39 65.9 52.6 79.0

76 37.4 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

60000

50000

40000

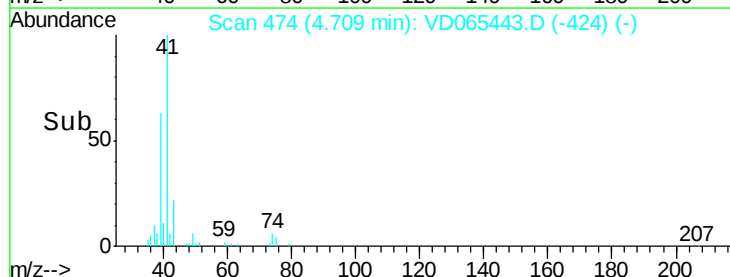
30000

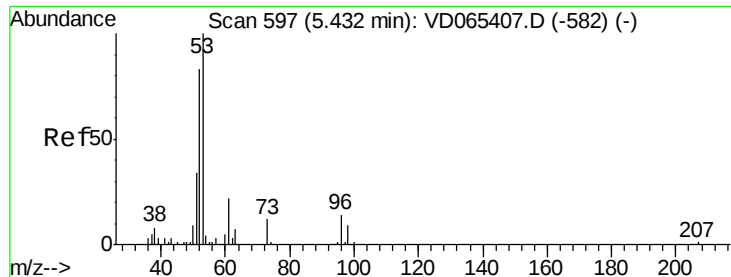
20000

10000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 91.584 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :

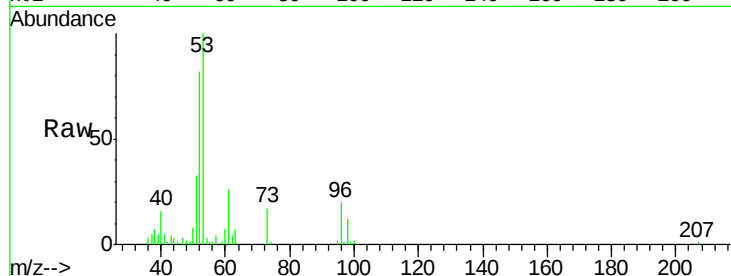
Tot Ion: 53 Resp: 87530

Ion Ratio Lower Upper

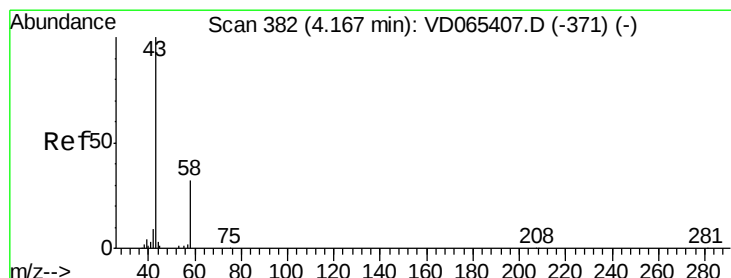
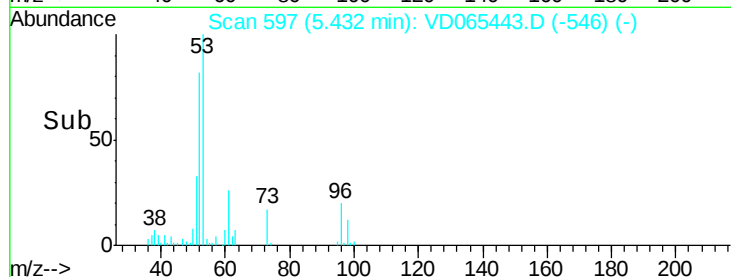
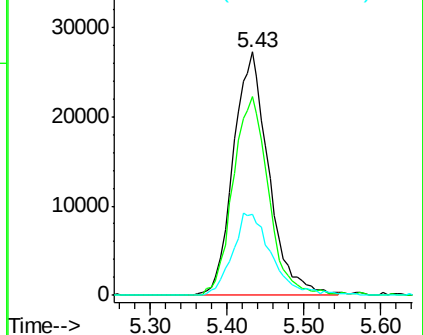
53 100

52 81.7 65.1 97.7

51 36.6 28.5 42.7



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



#16

Acetone

Concen: 87.310 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065443.D

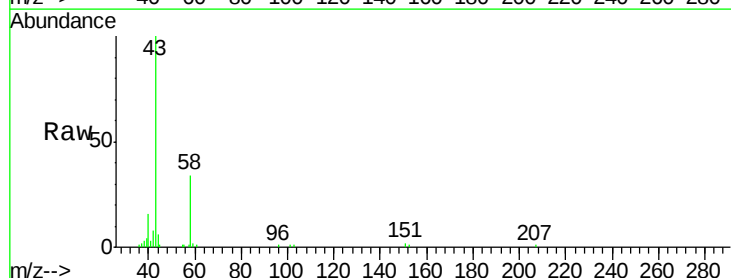
Acq: 09 Mar 2020 11:59

Tgt Ion: 43 Resp: 74200

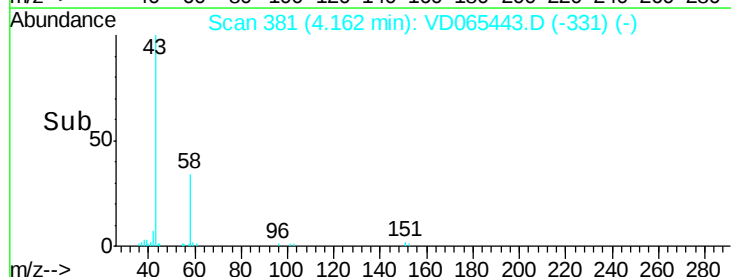
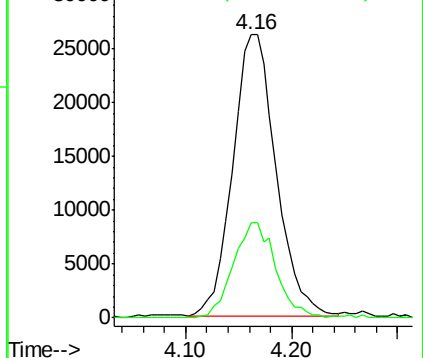
Ion Ratio Lower Upper

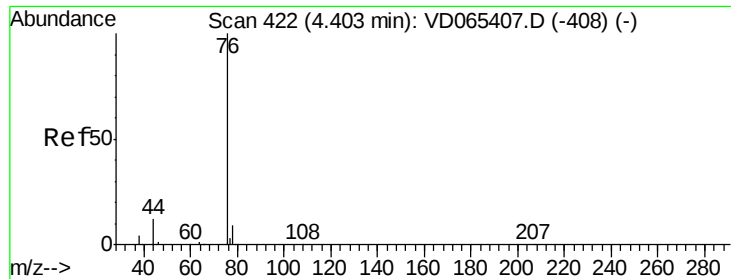
43 100

58 34.0 25.1 37.7



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





#17

Carbon Disulfide

Concen: 20.726 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

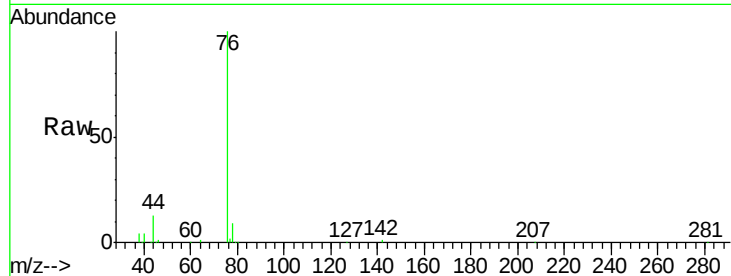
ClientSampleId :

Tot Ion: 76 Resp: 314453

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

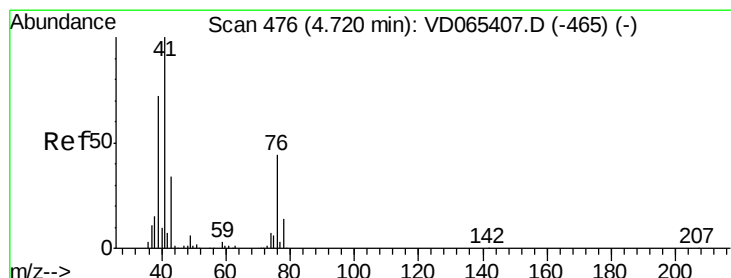
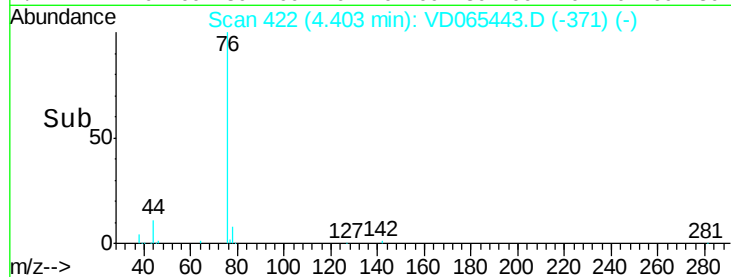
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.667 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065443.D

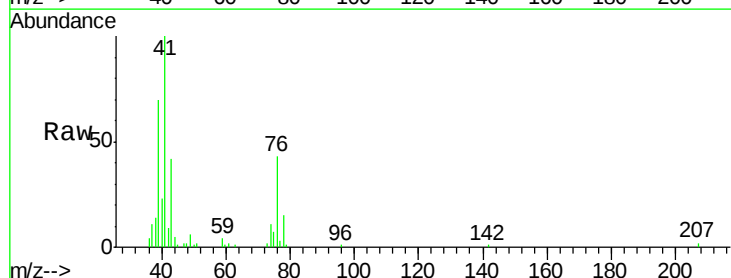
Acq: 09 Mar 2020 11:59

Tgt Ion: 43 Resp: 40241

Ion Ratio Lower Upper

43 100

74 25.2 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.30): VDC

Ion 74.00 (73.70 to 74.30): VDC

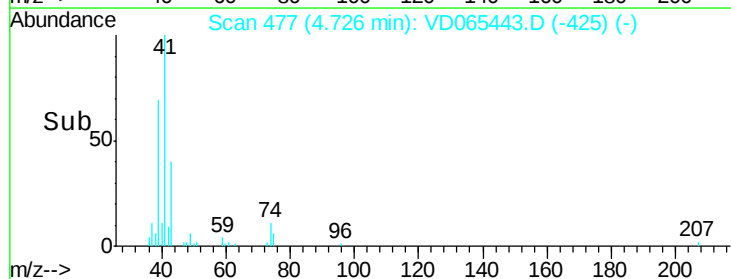
15000

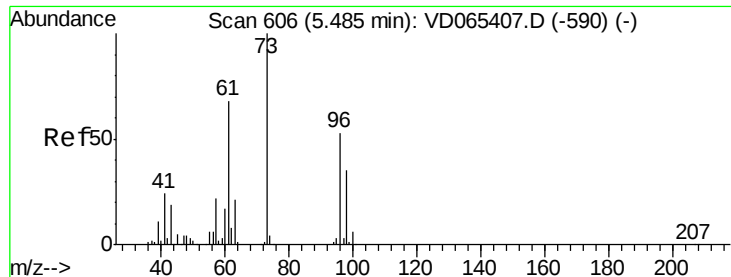
10000

5000

0

Time-->

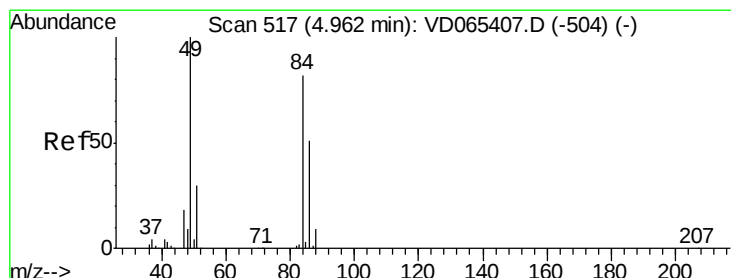
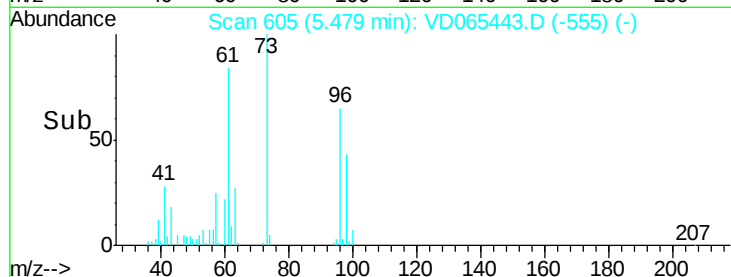
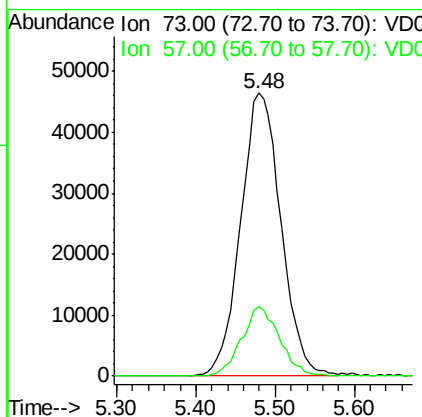
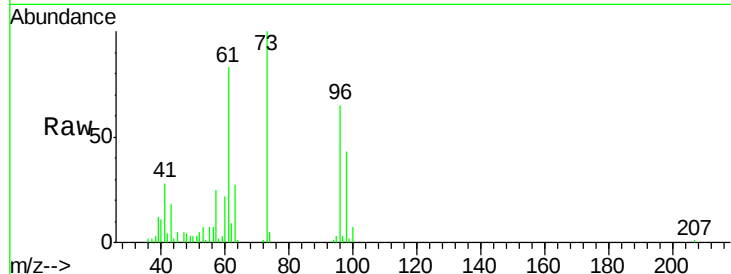




#19
Methvl tert-butvl Ether
Concen: 18.751 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

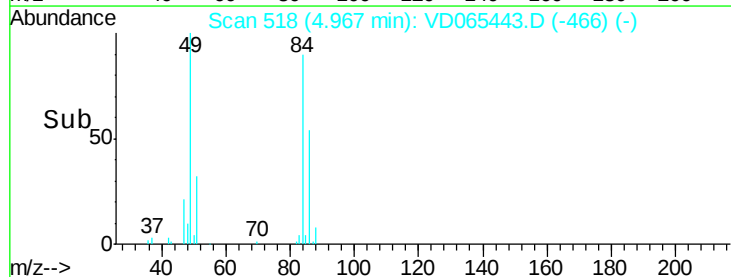
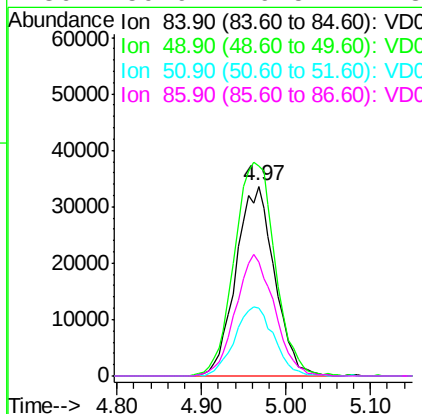
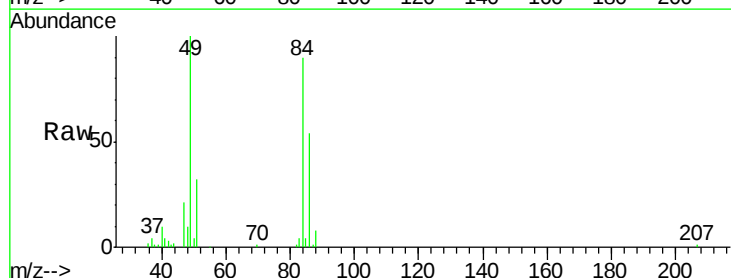
Instrument :
MSVOA_D
ClientSampleId :

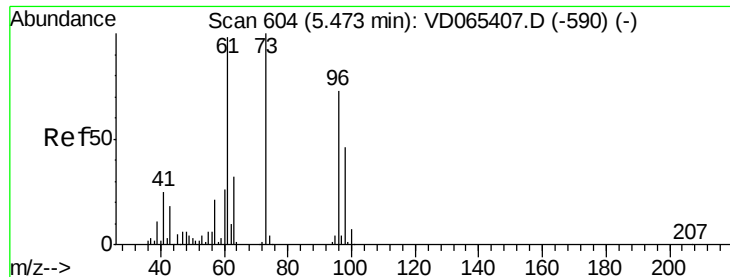
Tot Ion: 73 Resp: 164279
Ion Ratio Lower Upper
73 100
57 24.7 17.3 25.9



#20
Methylene Chloride
Concen: 21.134 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 84 Resp: 106745
Ion Ratio Lower Upper
84 100
49 110.8 97.7 146.5
51 35.7 28.8 43.2
86 59.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.739 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

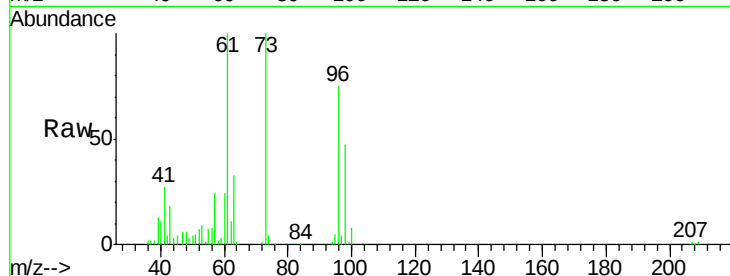
Tot Ion: 96 Resp: 105105

Ion Ratio Lower Upper

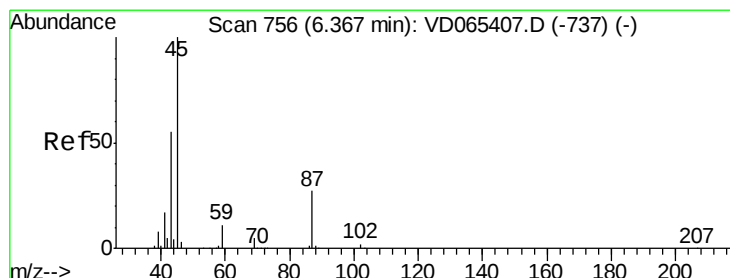
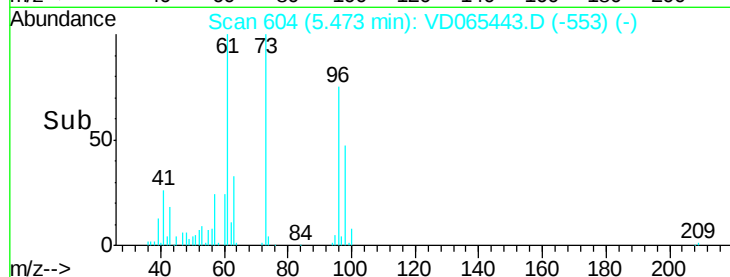
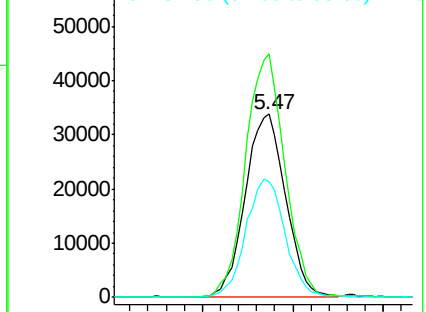
96 100

61 132.8 106.3 159.5

98 63.1 50.2 75.4



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



#22

Diisopropyl ether

Concen: 20.643 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Tgt Ion: 45 Resp: 268565

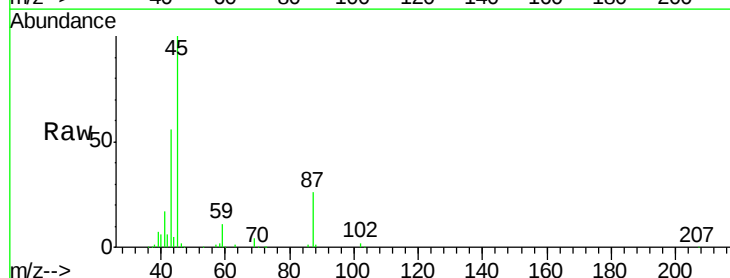
Ion Ratio Lower Upper

45 100

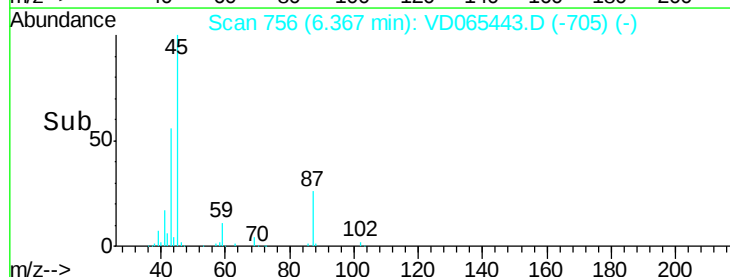
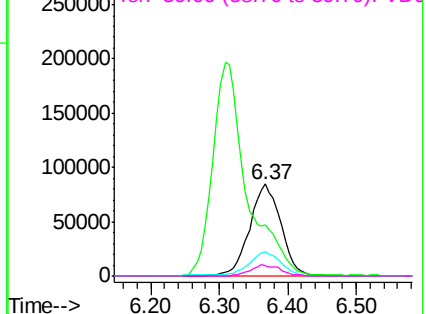
43 55.1 44.4 66.6

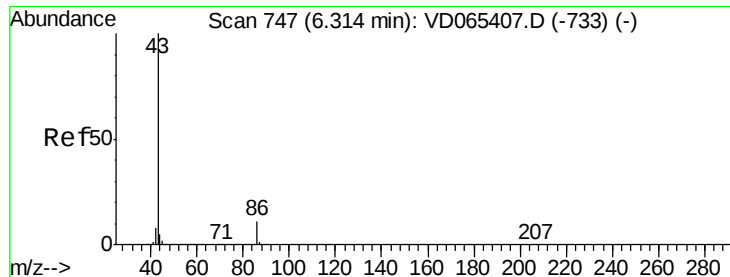
87 26.1 21.9 32.9

59 10.8 9.2 13.8



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





#23

Vinyl Acetate

Concen: 93.879 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

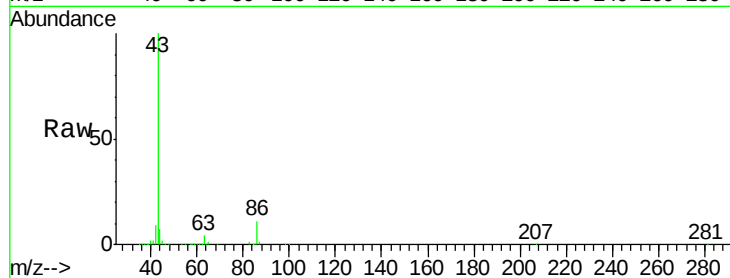
ClientSampled :

Tot Ion: 43 Resp: 678167

Ion Ratio Lower Upper

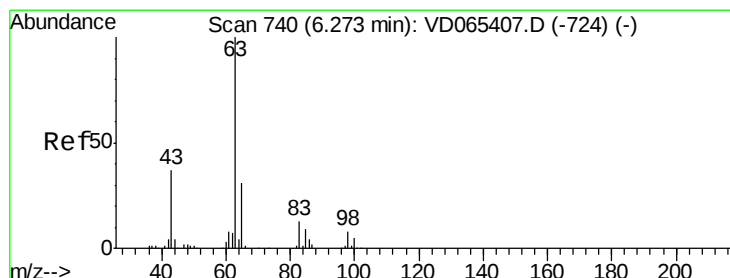
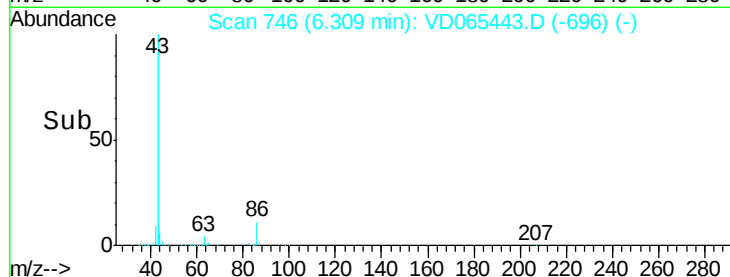
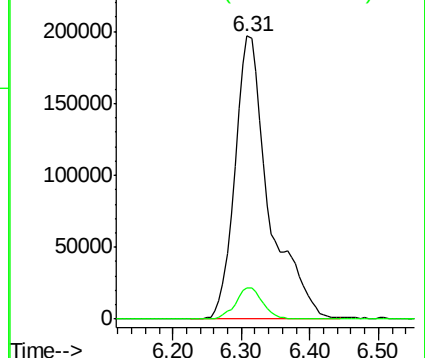
43 100

86 11.2 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.734 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

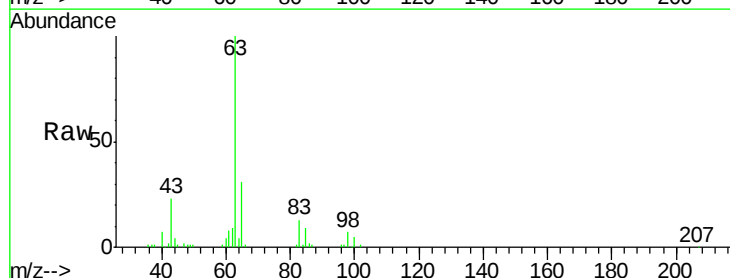
Tgt Ion: 63 Resp: 173025

Ion Ratio Lower Upper

63 100

98 7.3 4.2 12.6

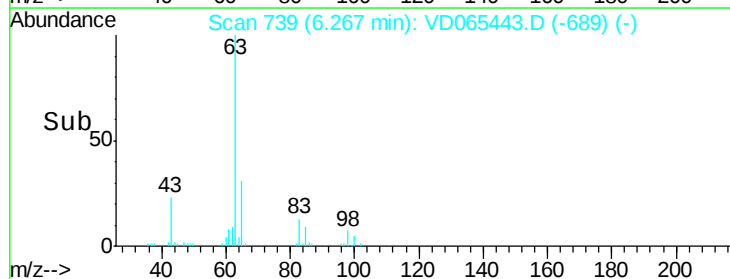
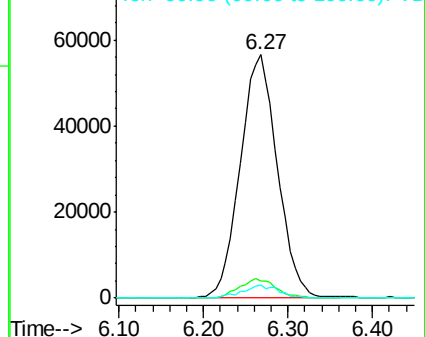
100 5.3 2.4 7.2

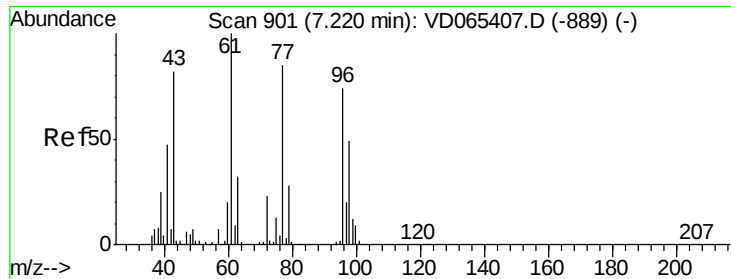


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 88.665 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

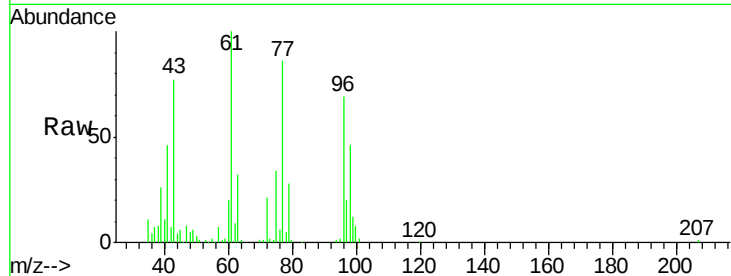
ClientSampled :

Tot Ion: 43 Resp: 102829

Ion Ratio Lower Upper

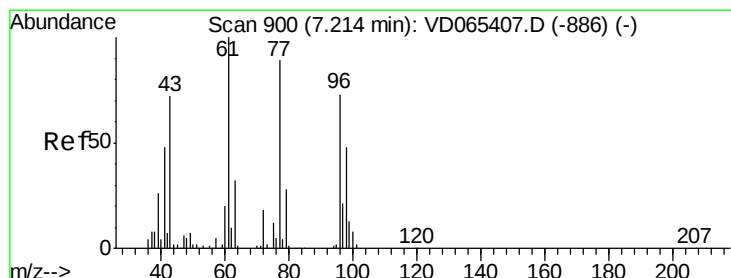
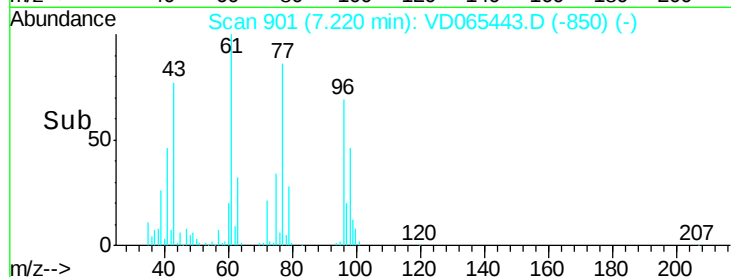
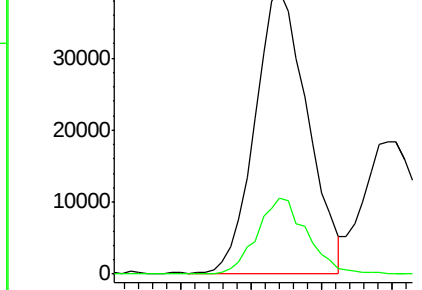
43 100

72 27.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.970 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065443.D

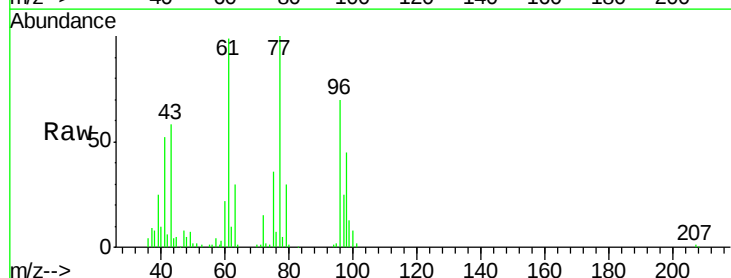
Acq: 09 Mar 2020 11:59

Tgt Ion: 77 Resp: 152922

Ion Ratio Lower Upper

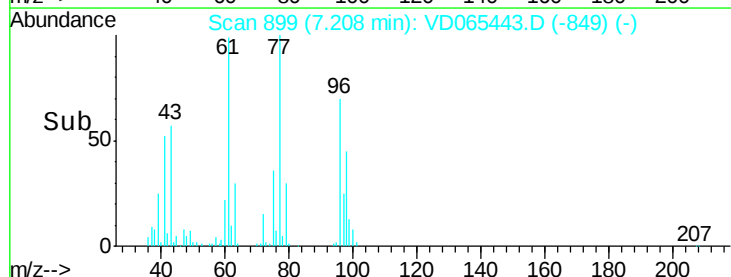
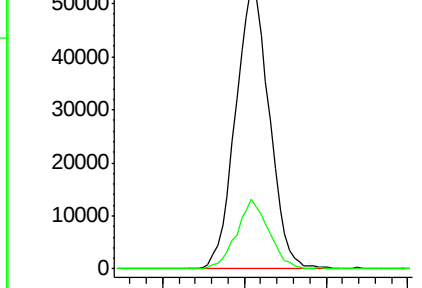
77 100

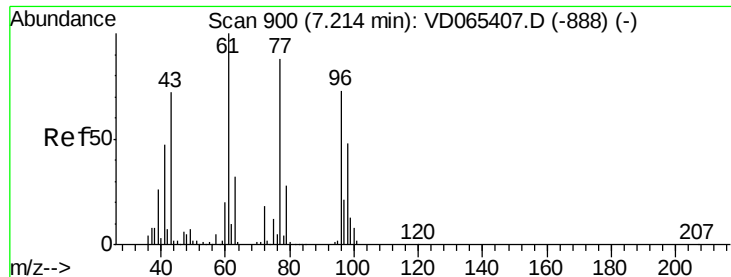
97 23.5 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



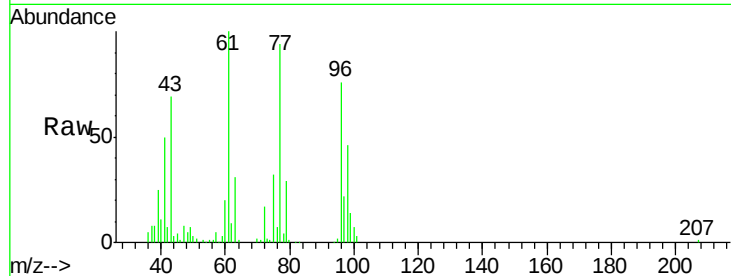


#27

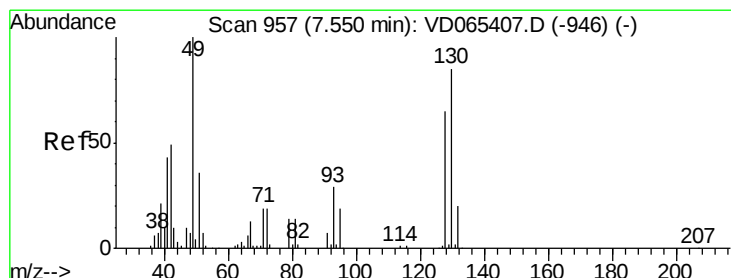
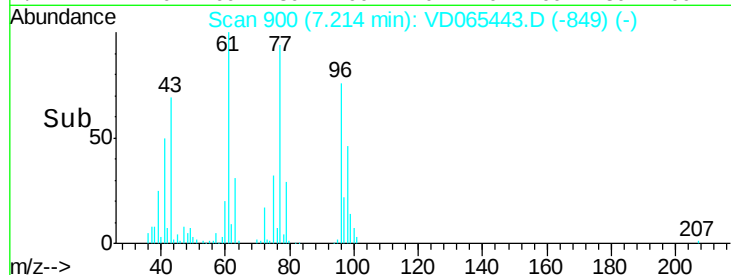
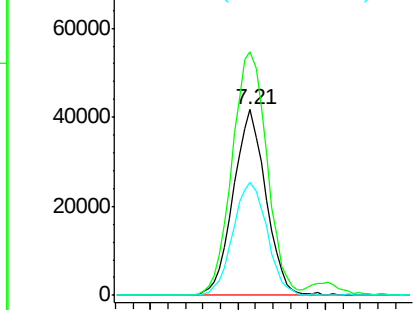
cis-1,2-Dichloroethene
Concen: 20.401 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 105681
Ion Ratio Lower Upper
96 100
61 140.1 0.0 280.4
98 63.6 0.0 132.6



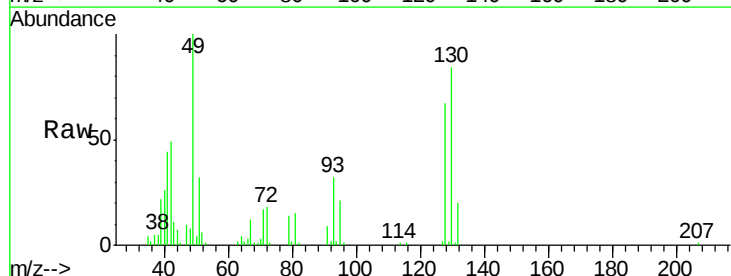
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



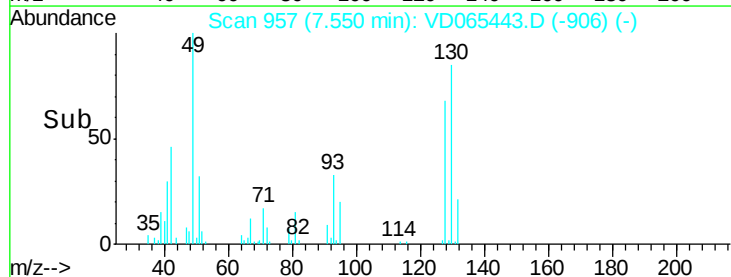
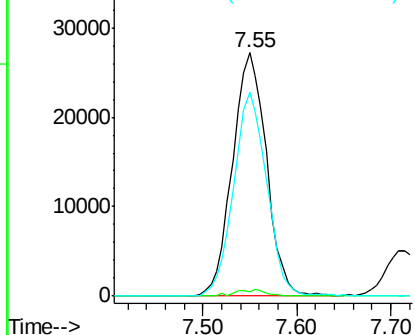
#28

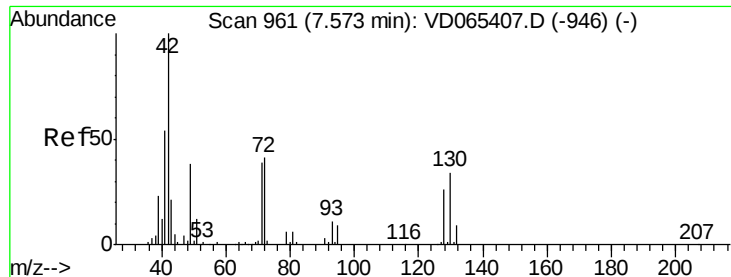
Bromochloromethane
Concen: 20.346 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 49 Resp: 67930
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 82.3 66.6 100.0



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

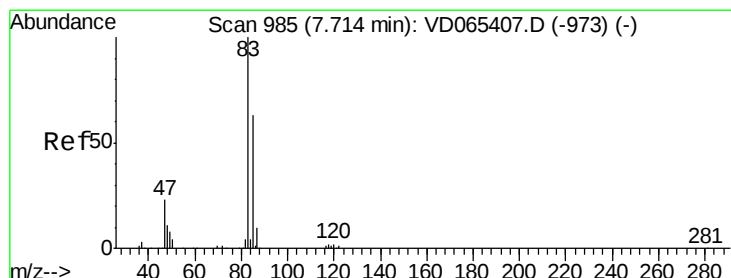
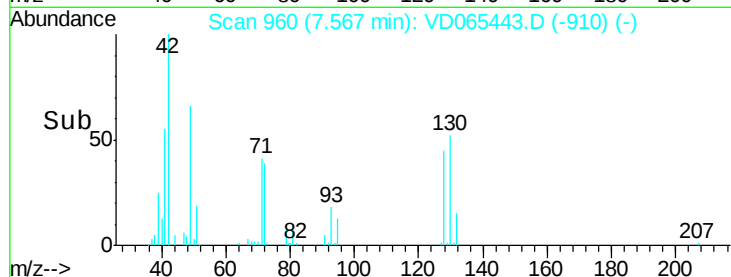
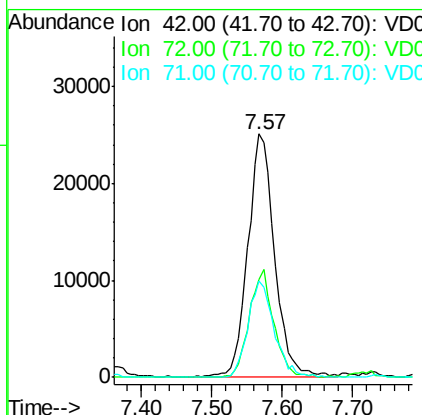
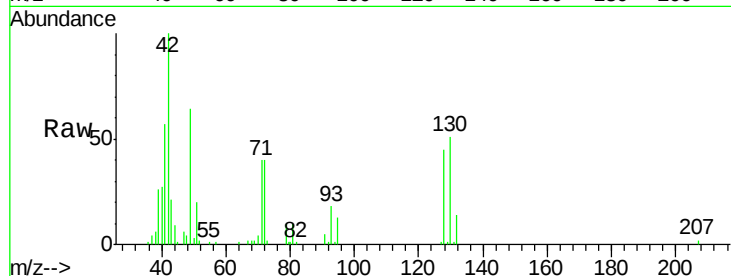




#29
Tetrahydrofuran
Concen: 90.071 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

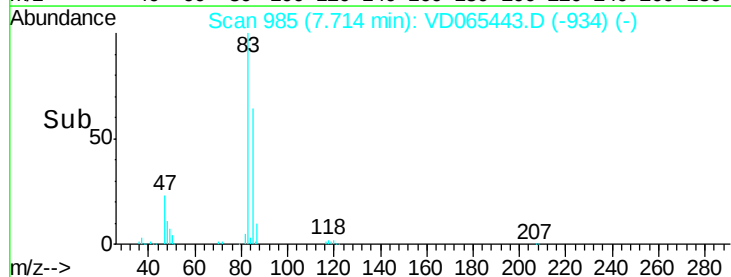
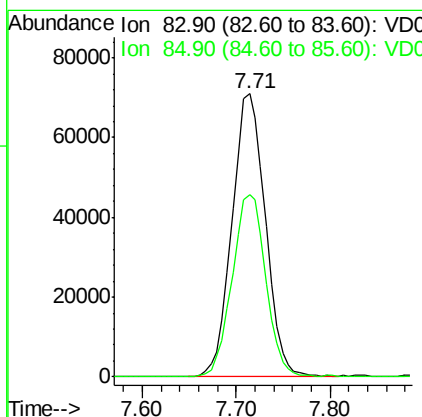
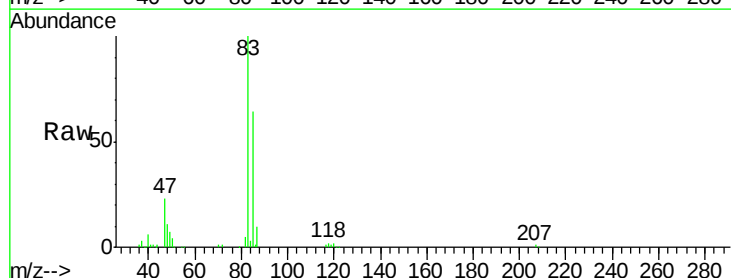
Instrument :
MSVOA_D
ClientSampleId :

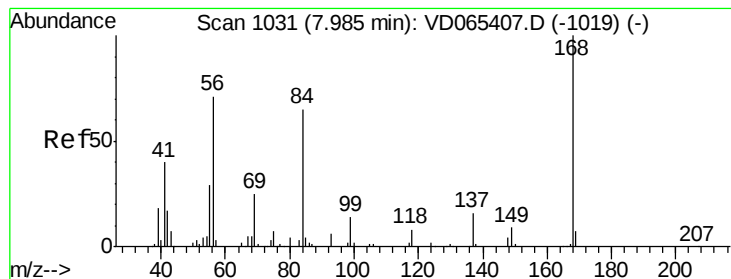
Tot Ion: 42 Resp: 66709
Ion Ratio Lower Upper
42 100
72 40.3 33.0 49.6
71 38.5 32.0 48.0



#30
Chloroform
Concen: 20.989 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 83 Resp: 175065
Ion Ratio Lower Upper
83 100
85 64.4 50.3 75.5





#31

Cyclohexane

Concen: 20.537 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

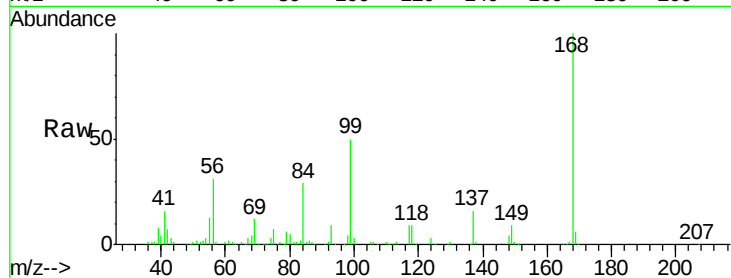
Tot Ion: 56 Resp: 171371

Ion Ratio Lower Upper

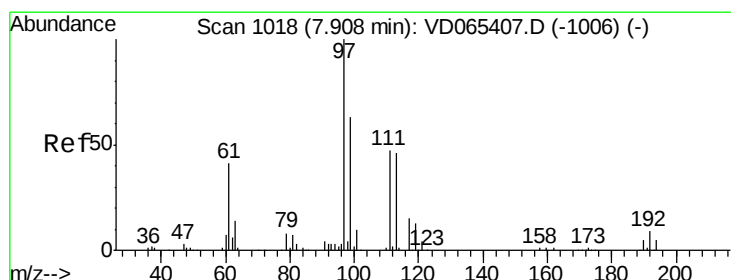
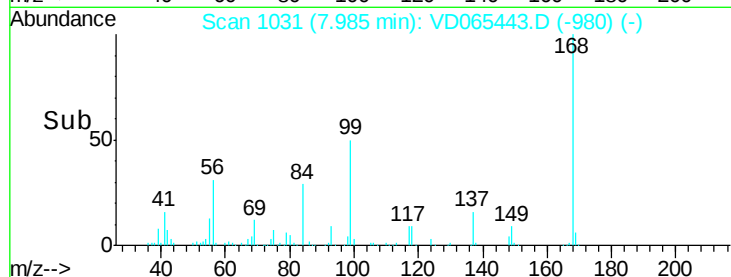
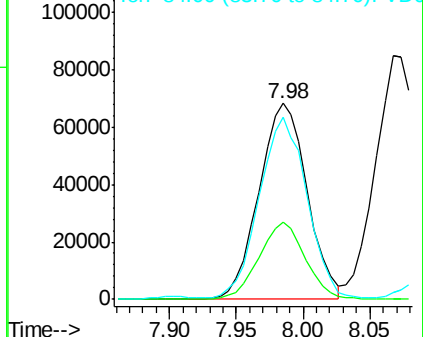
56 100

69 39.5 28.3 42.5

84 91.9 73.1 109.7



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: 20.751 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

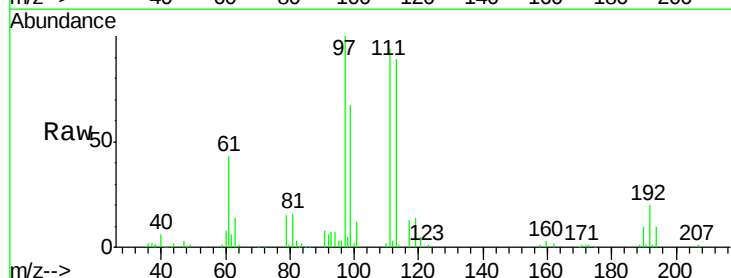
Tgt Ion: 97 Resp: 159948

Ion Ratio Lower Upper

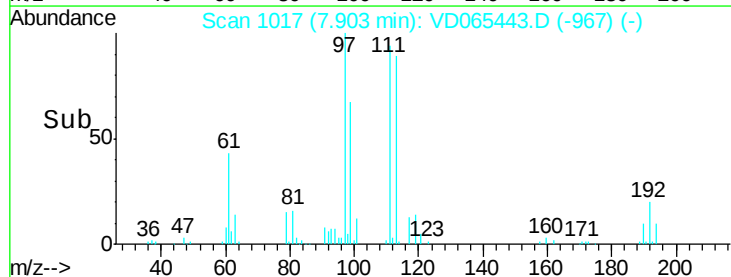
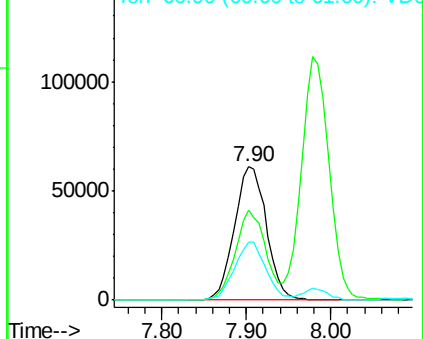
97 100

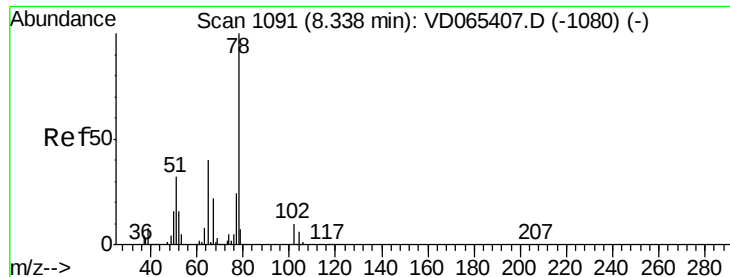
99 63.1 50.9 76.3

61 42.8 33.2 49.8



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





#33

1,2-Dichloroethane-d4

Concen: 49.457 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

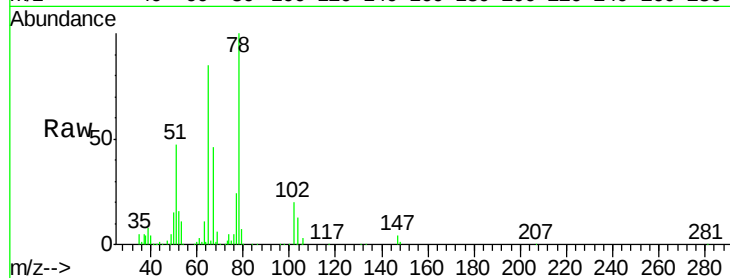
ClientSampled :

Tot Ion: 65 Resp: 207825

Ion Ratio Lower Upper

65 100

67 54.7 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

60000

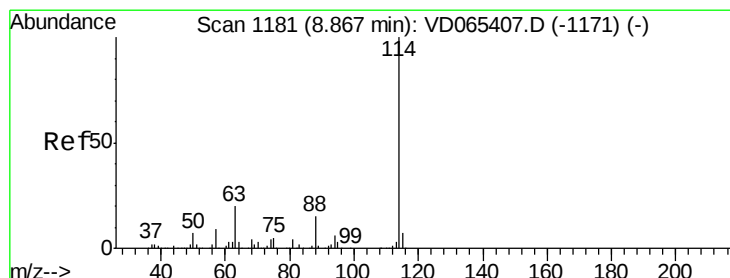
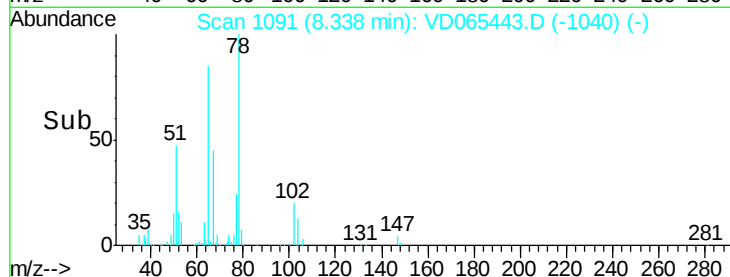
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

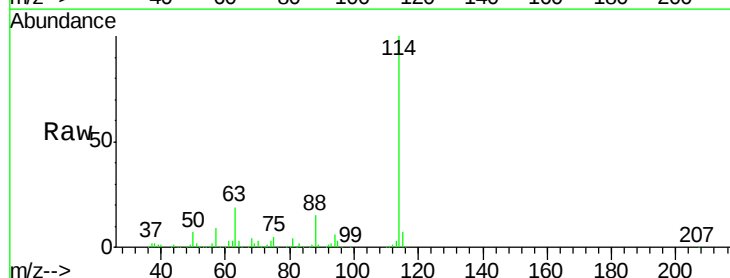
Tgt Ion: 114 Resp: 719033

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 14.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

300000

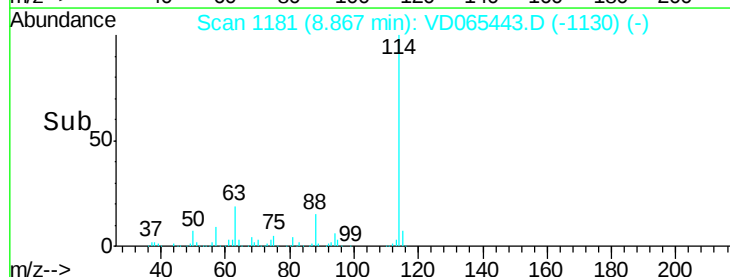
200000

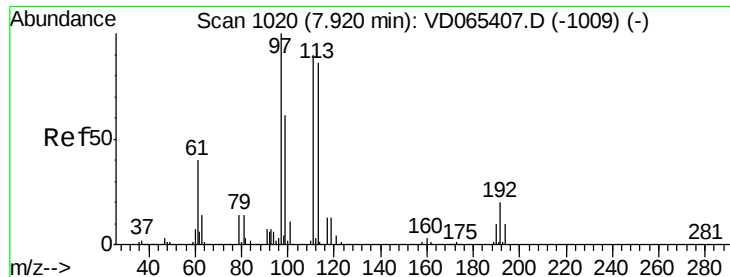
100000

0

8.80 8.90 9.00

Time-->

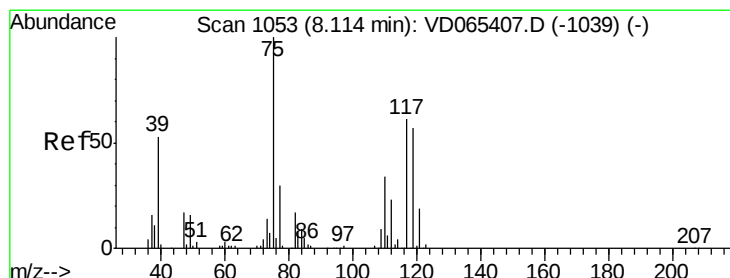
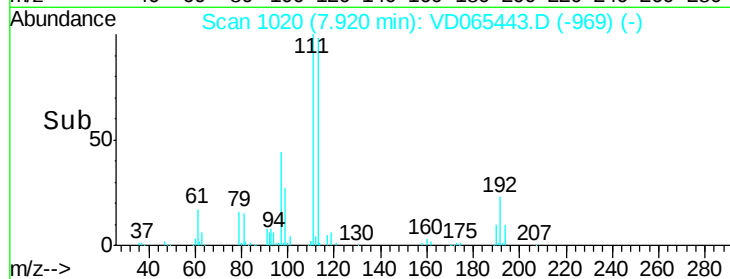
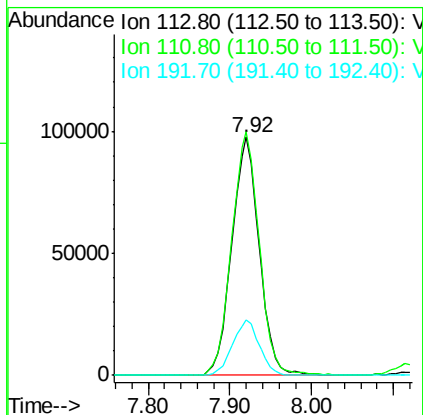
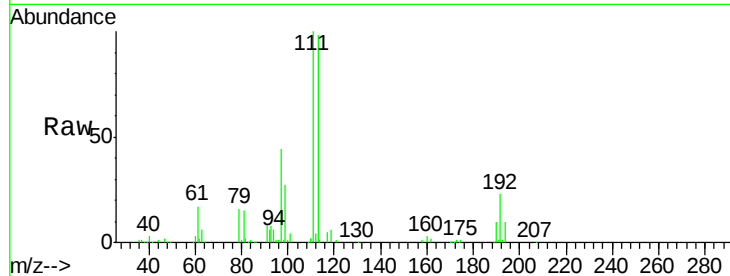




#35
Dibromofluoromethane
Concen: 51.136 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

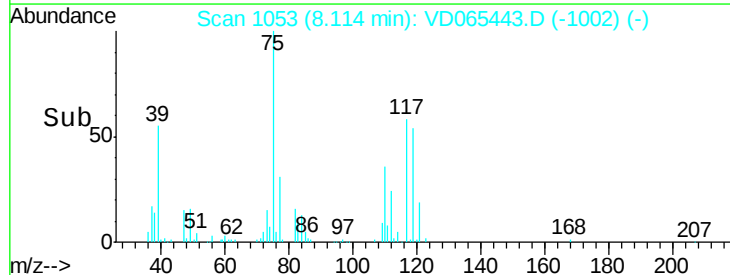
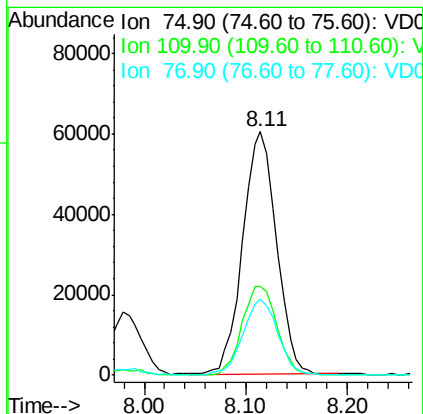
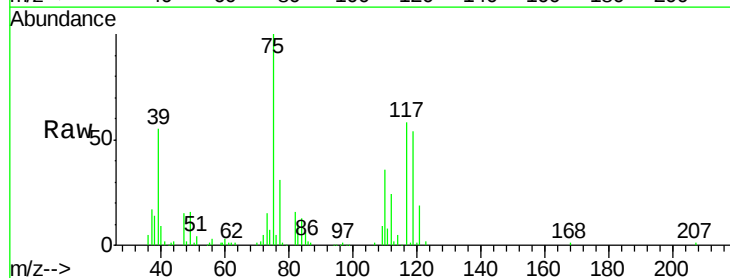
Instrument :
MSVOA_D
ClientSampleId :

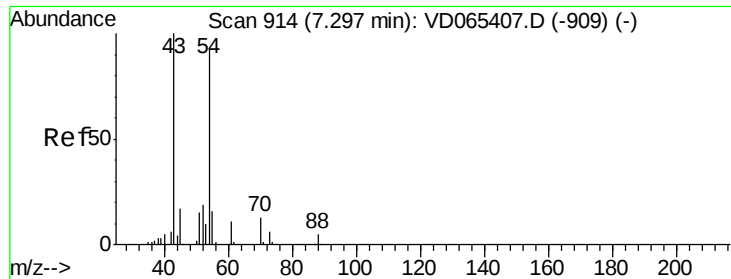
Tot Ion:113 Resp: 227378
Ion Ratio Lower Upper
113 100
111 103.0 82.1 123.1
192 22.9 17.2 25.8



#36
1,1-Dichloropropene
Concen: 20.204 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 75 Resp: 139257
Ion Ratio Lower Upper
75 100
110 37.9 18.1 54.1
77 32.4 25.2 37.8

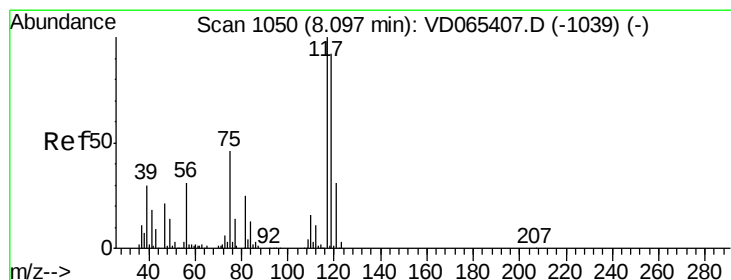
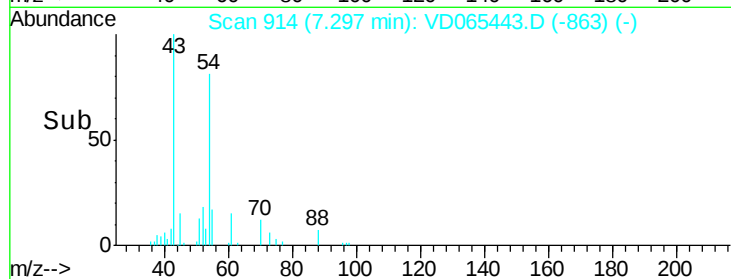
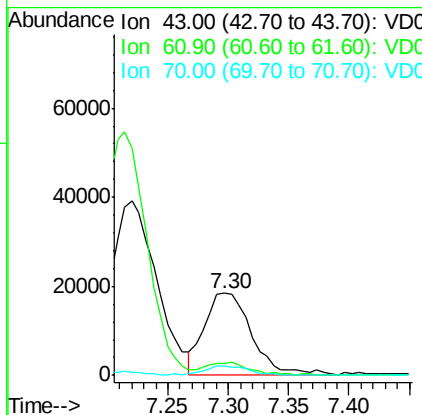
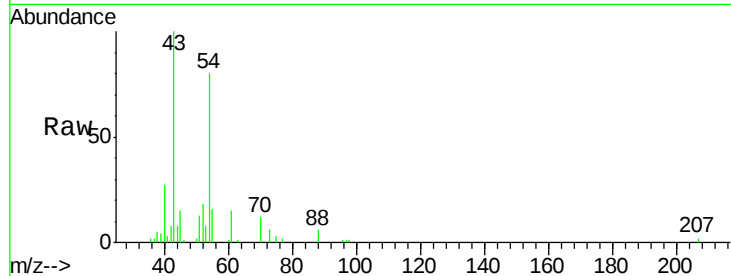




#37
Ethyl Acetate
Concen: 18.453 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

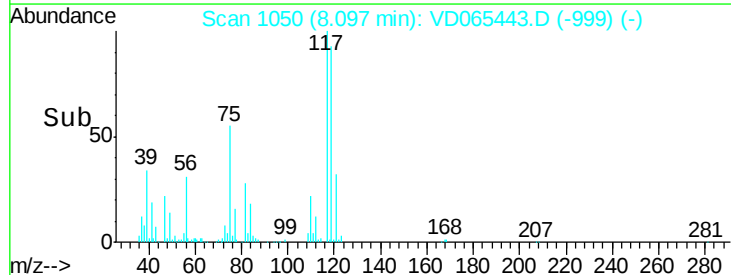
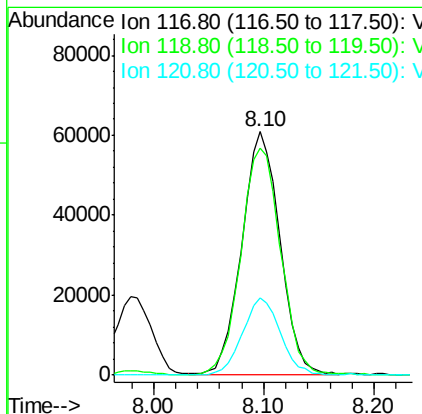
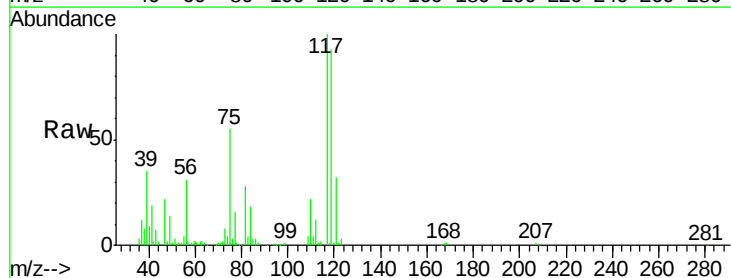
Instrument :
MSVOA_D
ClientSampleId :

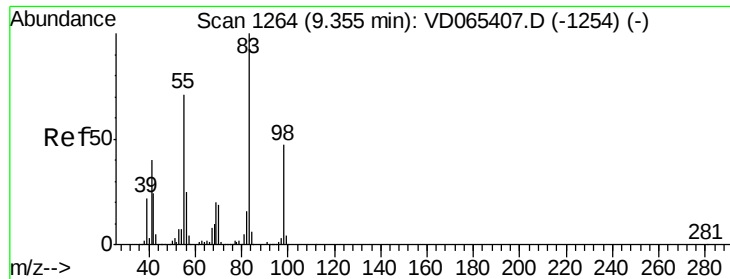
Tot Ion: 43 Resp: 49159
Ion Ratio Lower Upper
43 100
61 15.4 11.4 17.0
70 10.8 9.0 13.4



#38
Carbon Tetrachloride
Concen: 20.769 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 117 Resp: 148439
Ion Ratio Lower Upper
117 100
119 93.1 73.3 109.9
121 31.9 25.0 37.4

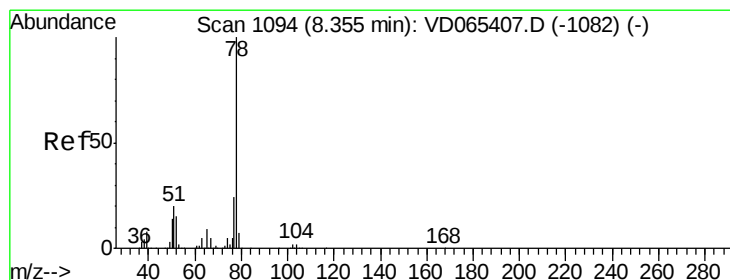
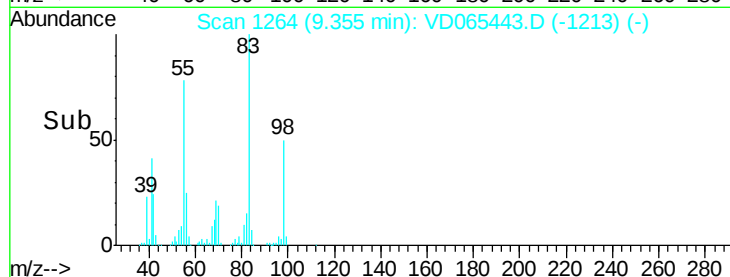
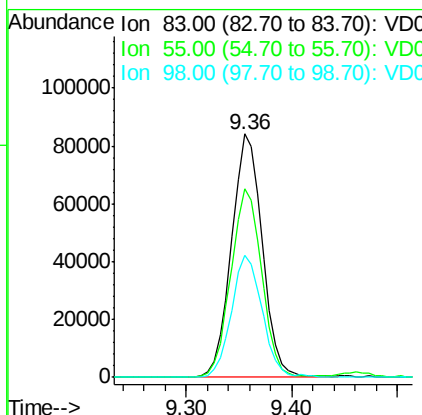
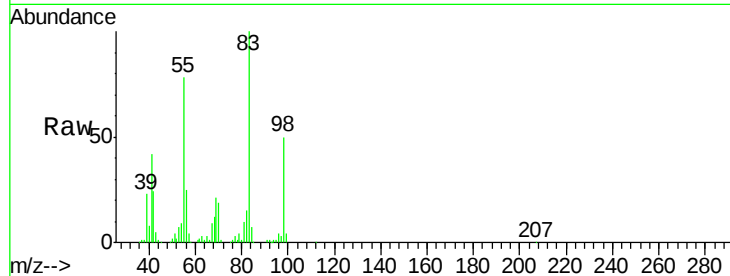




#39
Methvlcvclohexane
Concen: 20.378 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

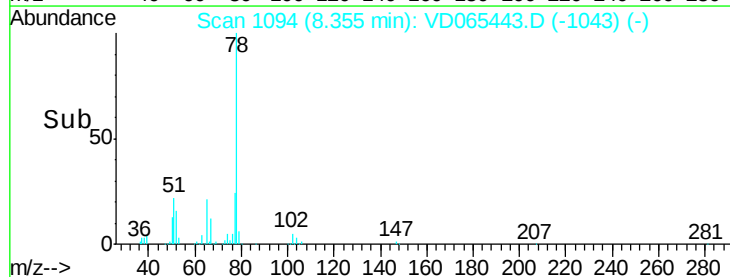
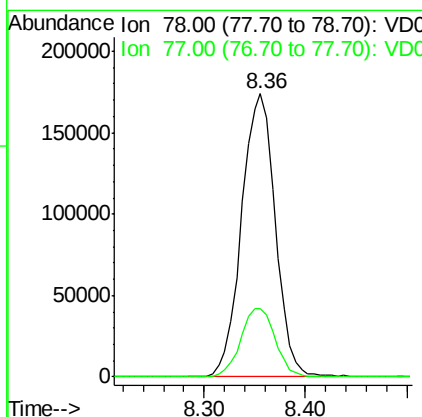
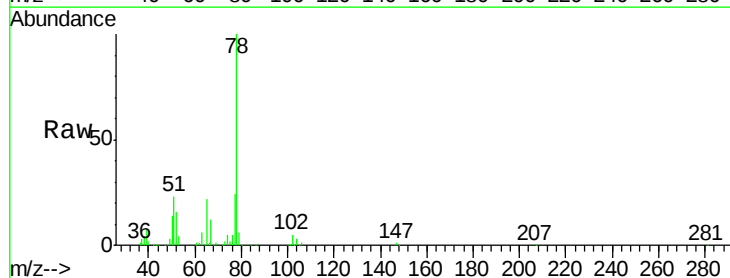
Instrument :
MSVOA_D
ClientSampled :

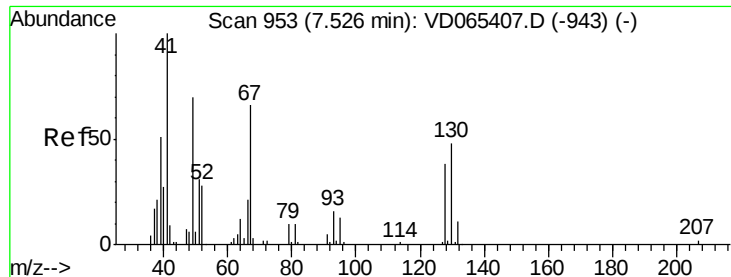
Tot Ion: 83 Resp: 169636
Ion Ratio Lower Upper
83 100
55 77.6 57.1 85.7
98 50.0 37.8 56.8



#40
Benzene
Concen: 20.842 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 78 Resp: 401638
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

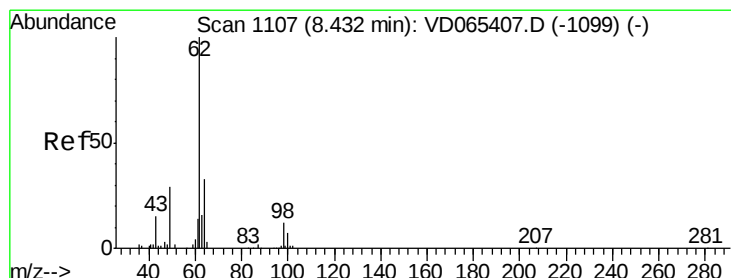
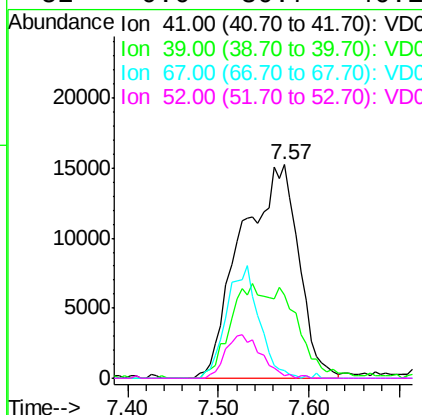
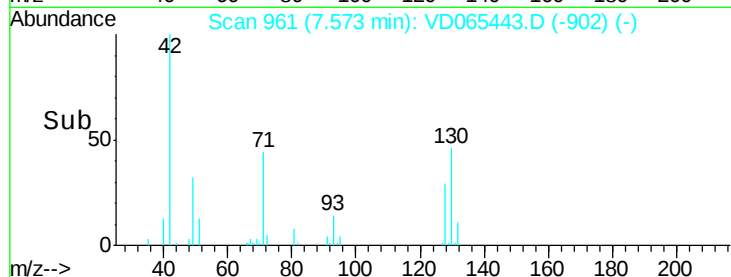
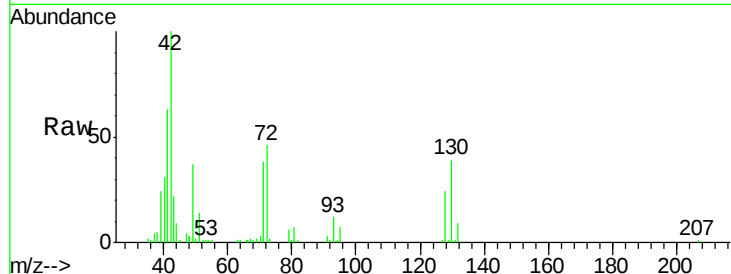




#41
Methacrylonitrile
Concen: 47.537 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.05 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

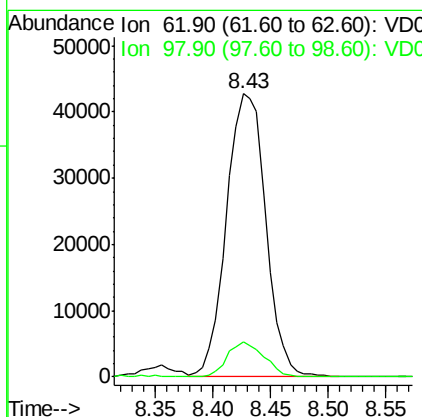
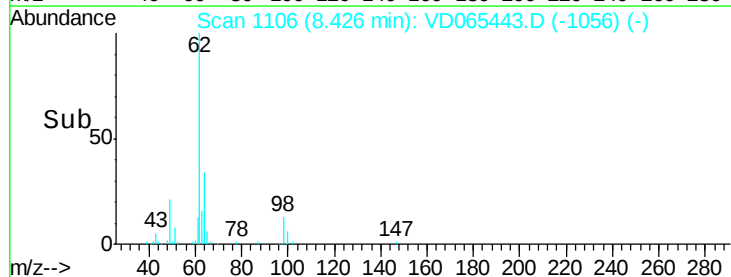
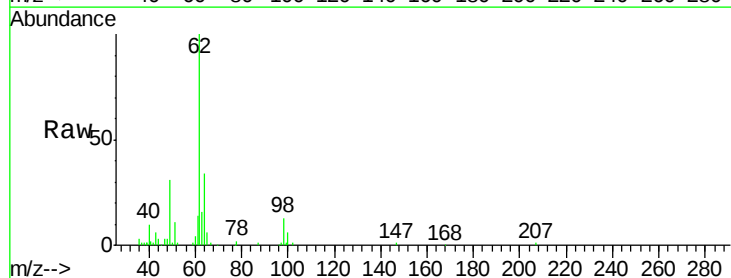
Instrument :
MSVOA_D
ClientSampleId :

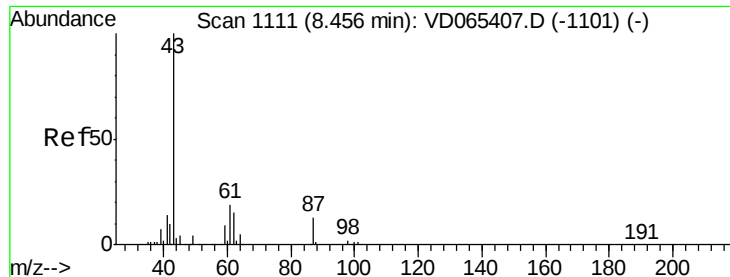
Tot Ion: 41 Resp: 66973
Ion Ratio Lower Upper
41 100
39 0.0 55.0 82.6#
67 0.0 70.3 105.5#
52 0.0 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 20.060 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 62 Resp: 100944
Ion Ratio Lower Upper
62 100
98 11.4 0.0 21.4





#43

Isopropyl Acetate

Concen: 17.783 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampled :

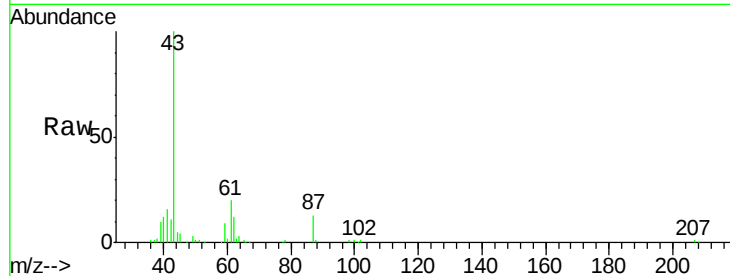
Tot Ion: 43 Resp: 87473

Ion Ratio Lower Upper

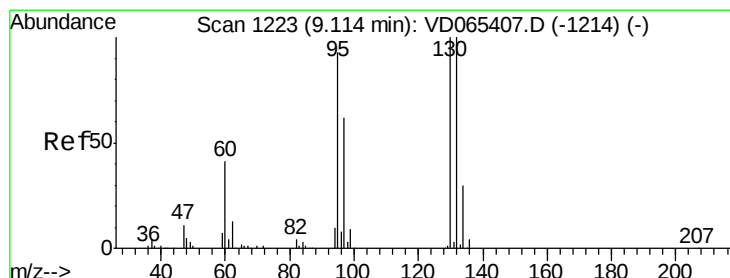
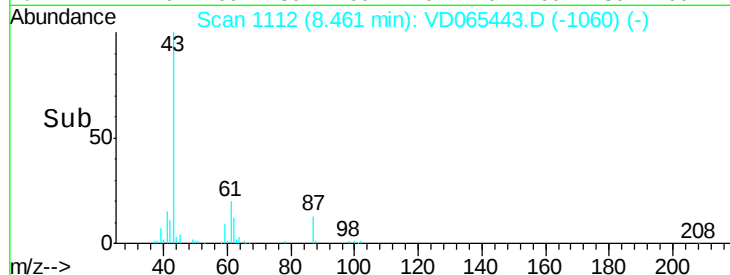
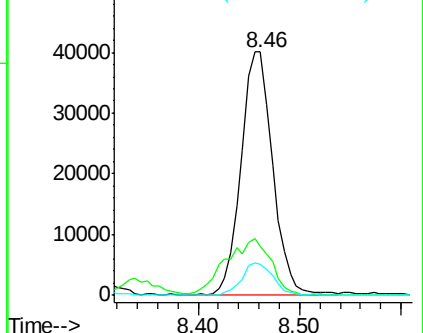
43 100

61 33.2 25.0 37.6

87 12.9 11.0 16.4



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



#44

Trichloroethene

Concen: 20.580 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065443.D

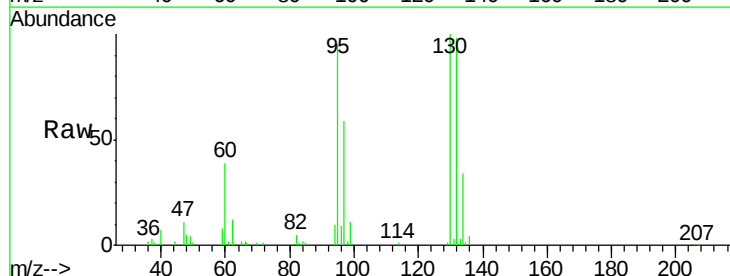
Acq: 09 Mar 2020 11:59

Tgt Ion: 130 Resp: 111998

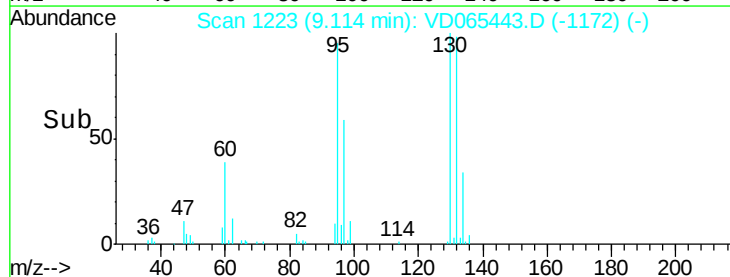
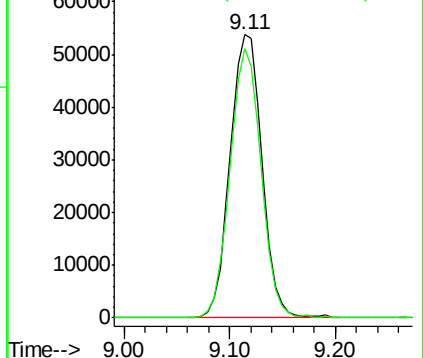
Ion Ratio Lower Upper

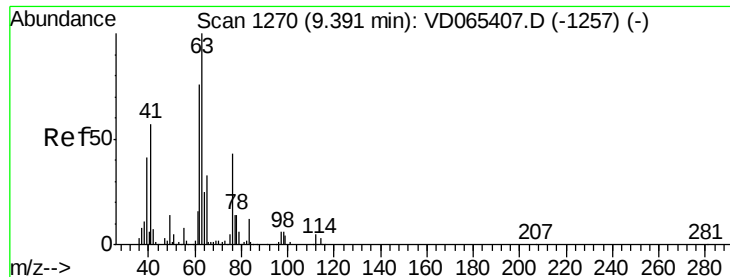
130 100

95 95.2 0.0 186.0



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

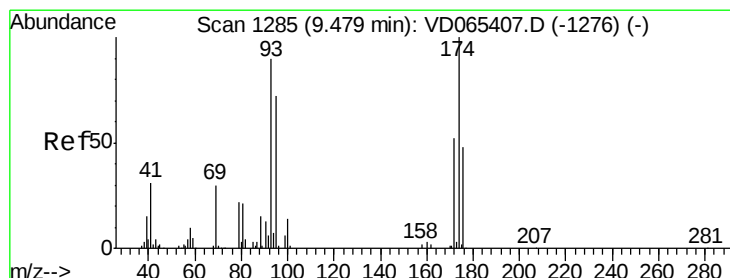
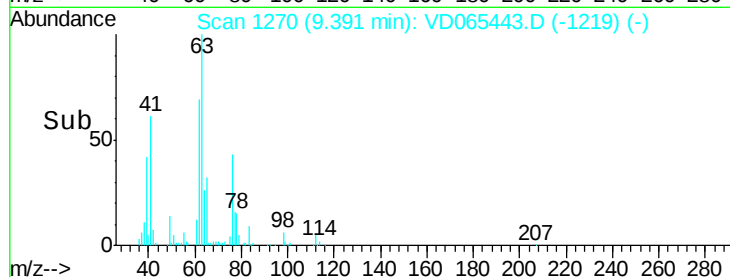
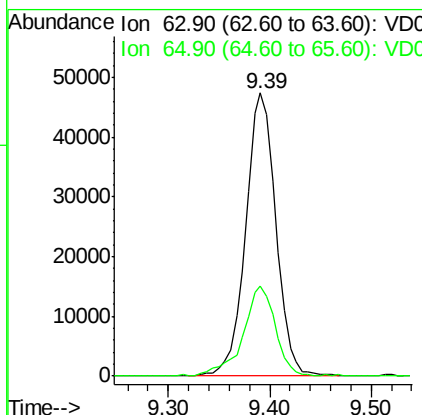
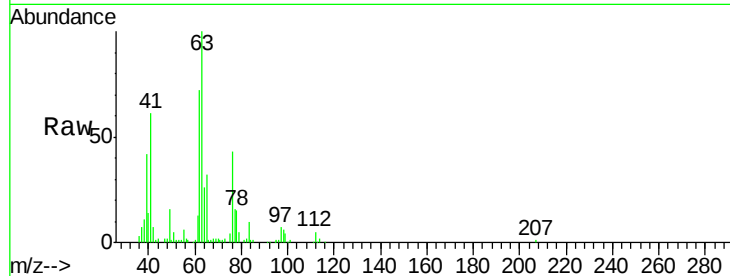




#45
 1,2-Dichloropropane
 Concen: 20.988 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

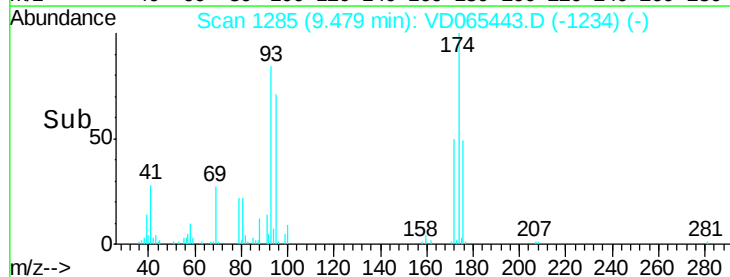
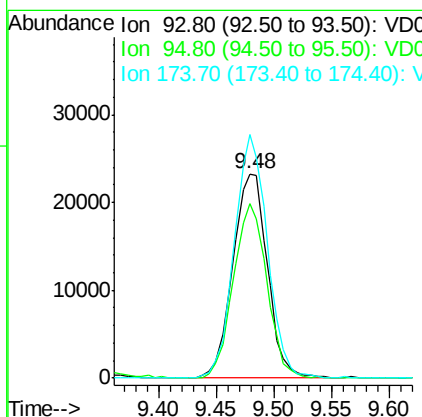
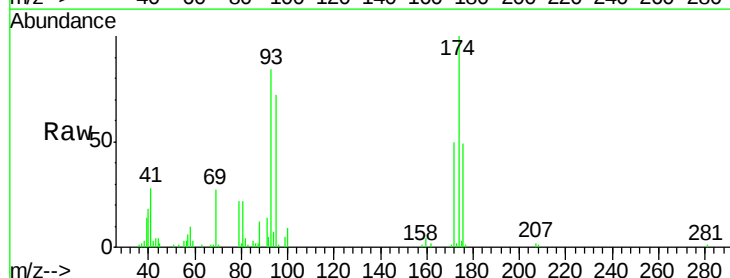
Instrument :
 MSVOA_D
 ClientSampled :

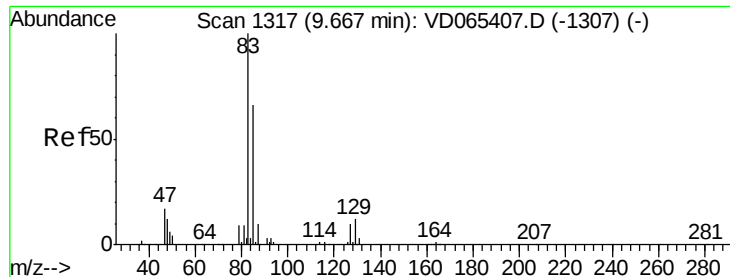
Tot Ion: 63 Resp: 97974
 Ion Ratio Lower Upper
 63 100
 65 31.9 26.4 39.6



#46
 Dibromomethane
 Concen: 19.994 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion: 93 Resp: 48412
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.0 97.6
 174 113.4 88.3 132.5





#47

Bromodichloromethane

Concen: 20.393 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :

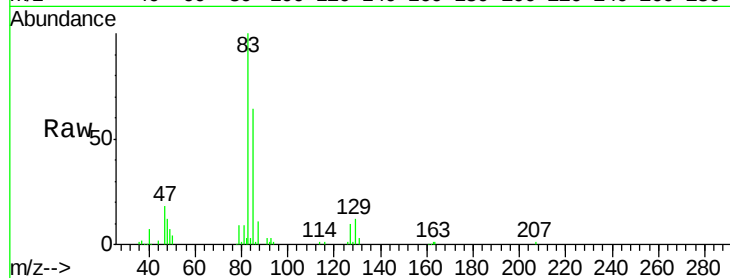
Tot Ion: 83 Resp: 128462

Ion Ratio Lower Upper

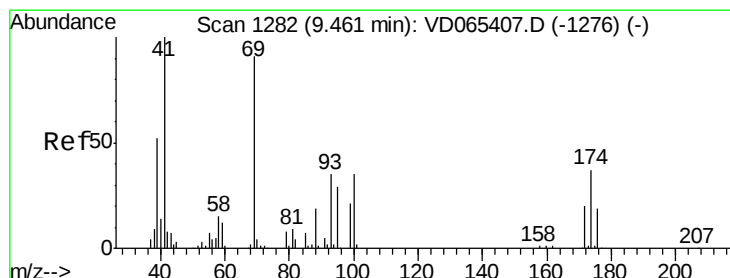
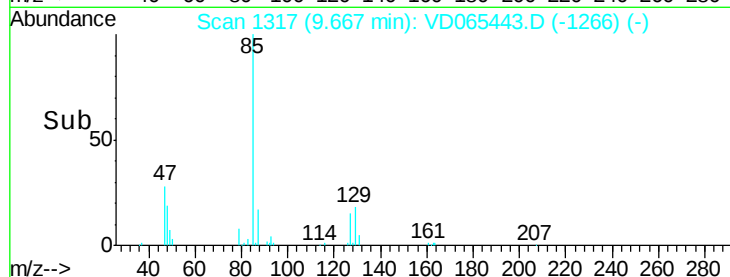
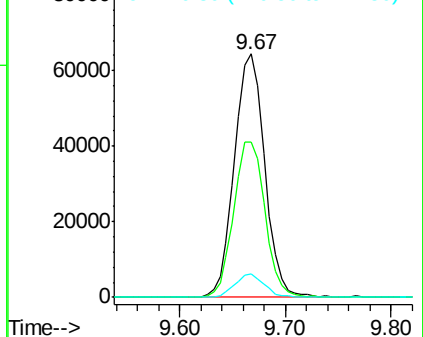
83 100

85 63.8 52.8 79.2

127 9.8 8.0 12.0



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



#48

Methyl methacrylate

Concen: 17.295 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

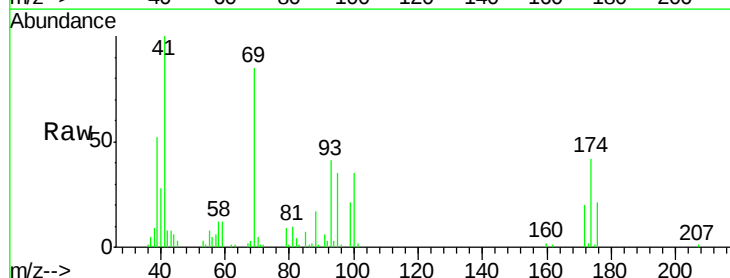
Tgt Ion: 41 Resp: 40018

Ion Ratio Lower Upper

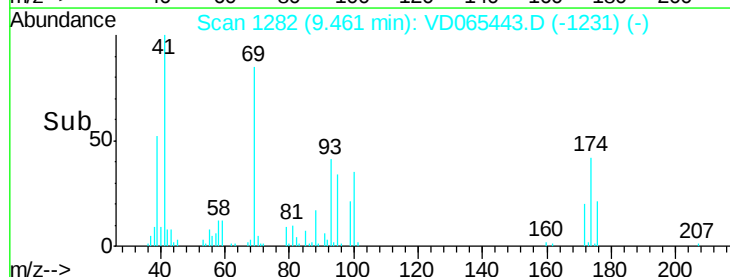
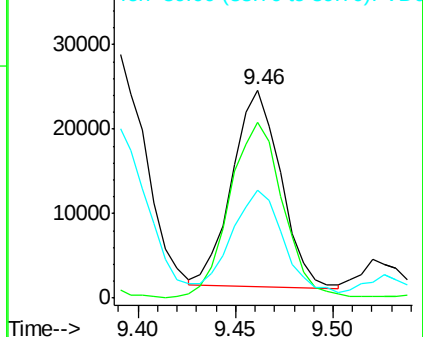
41 100

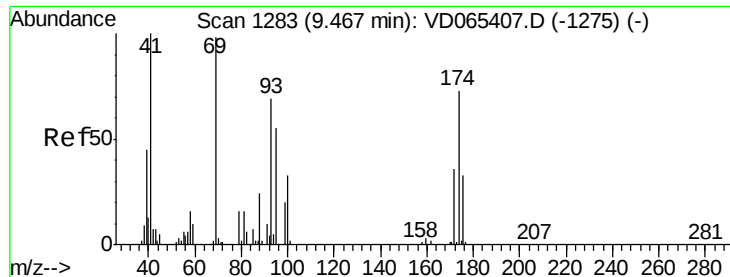
69 99.0 72.5 108.7

39 54.4 41.6 62.4



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





#49

1,4-Dioxane

Concen: 356.002 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

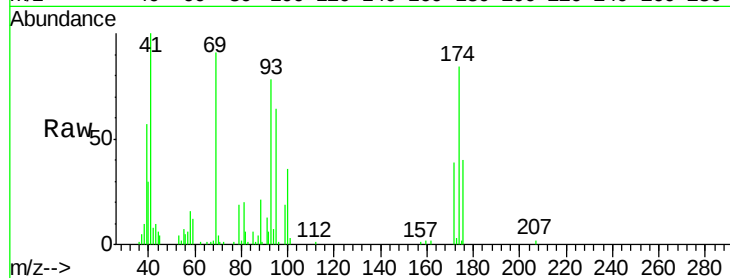
Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

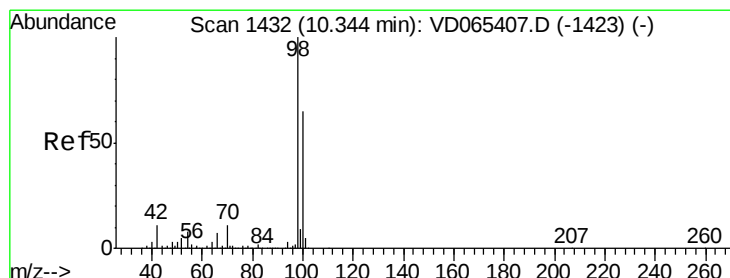
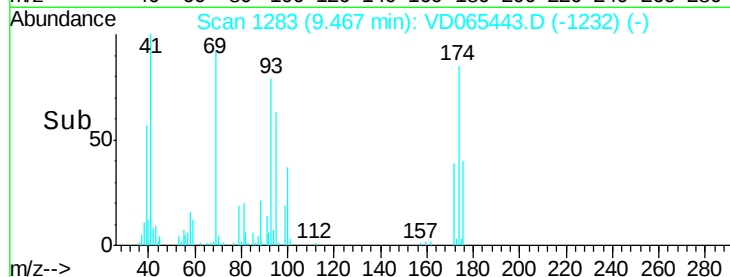
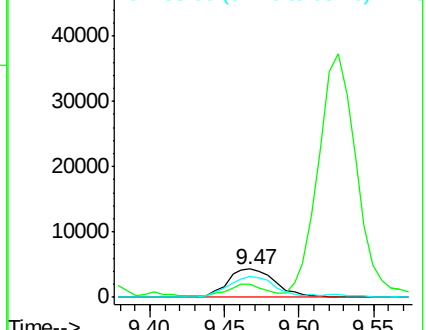
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 9860

Ion	Ratio	Lower	Upper
88	100		
43	31.0	24.5	36.7
58	72.6	54.5	81.7



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



#50

Toluene-d8

Concen: 51.567 ug/l

RT: 10.34 min Scan# 1432

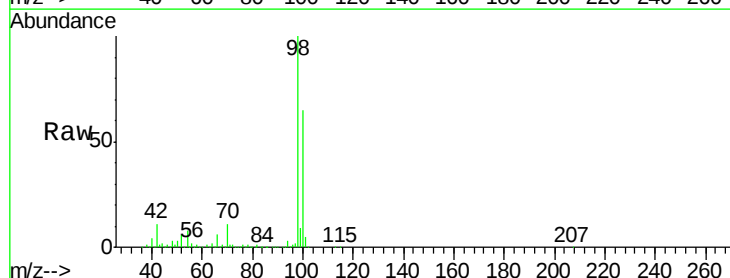
Delta R.T. 0.00 min

Lab File: VD065443.D

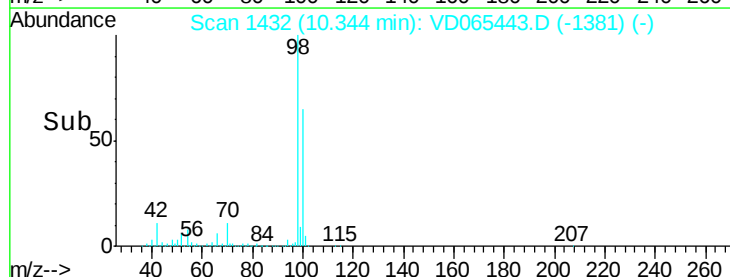
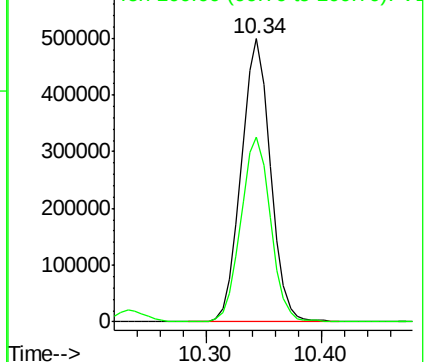
Acq: 09 Mar 2020 11:59

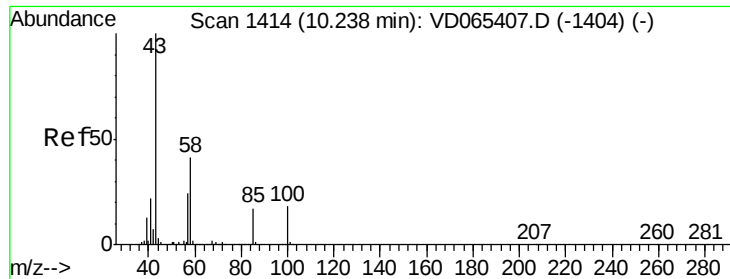
Tgt Ion: 98 Resp: 879653

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2



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

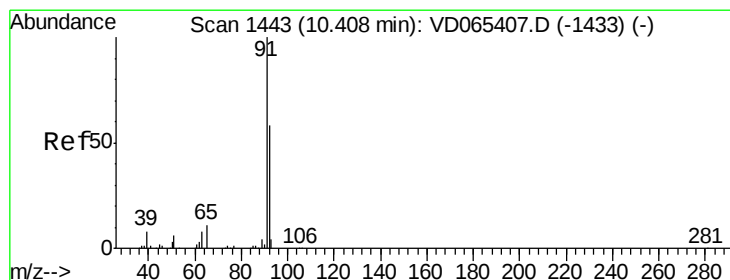
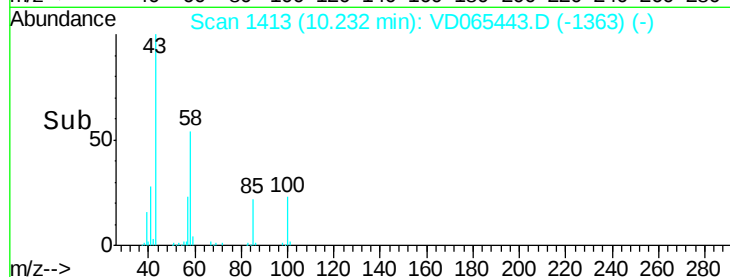
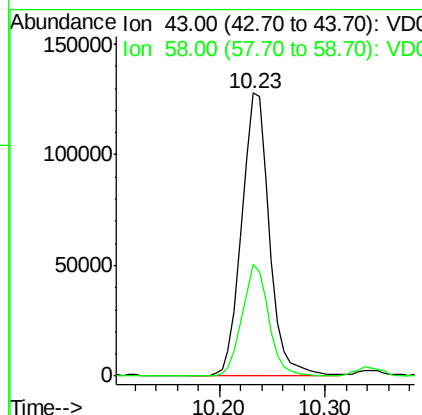
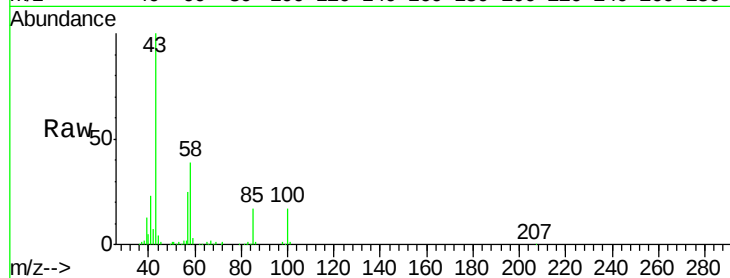




#51
4-Methyl-2-Pentanone
Concen: 94.113 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

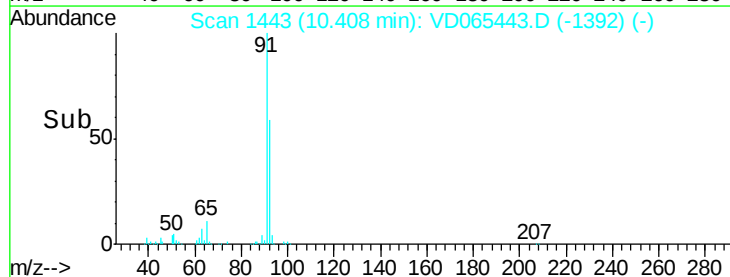
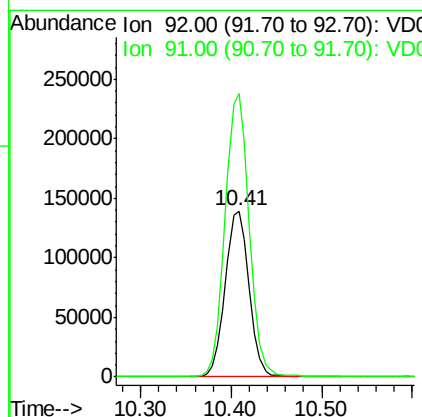
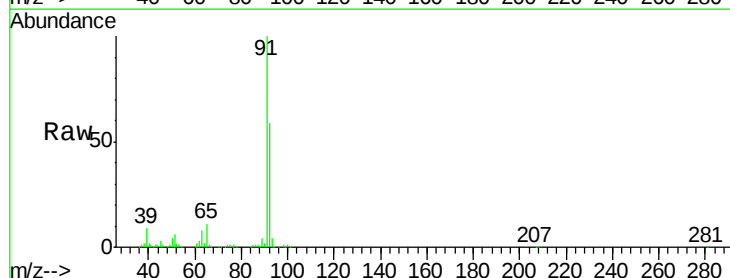
Instrument :
MSVOA_D
ClientSampled :

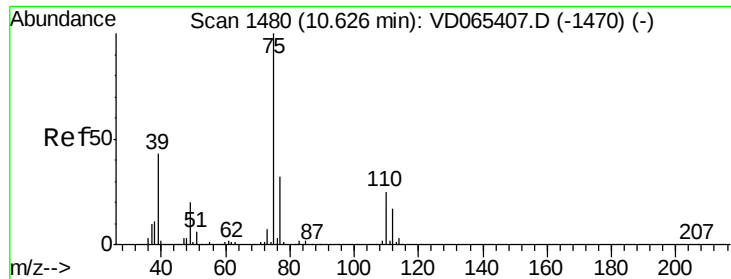
Tot Ion: 43 Resp: 232959
Ion Ratio Lower Upper
43 100
58 37.8 31.8 47.6



#52
Toluene
Concen: 20.971 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 92 Resp: 254594
Ion Ratio Lower Upper
92 100
91 172.5 137.8 206.8

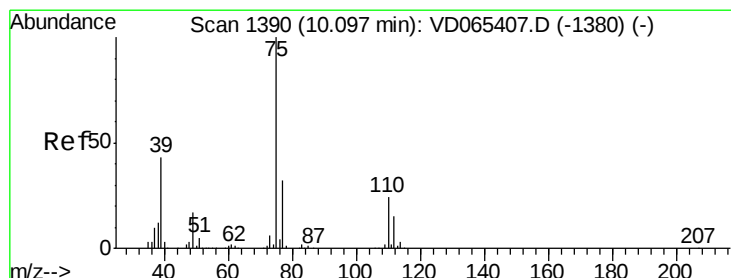
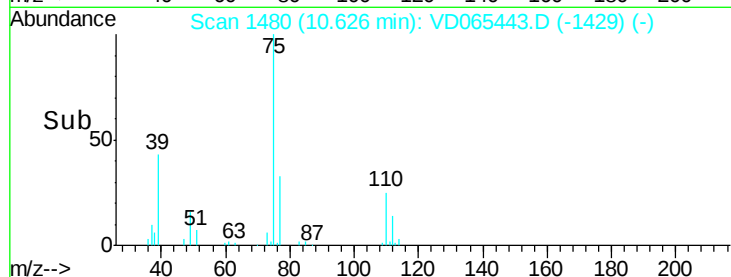
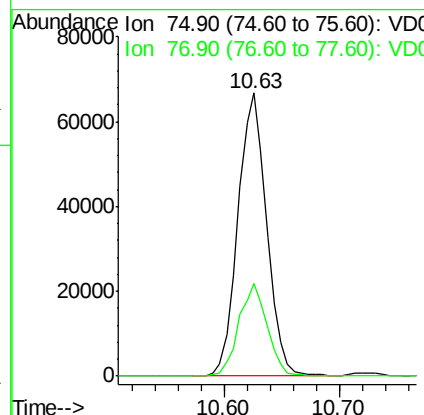
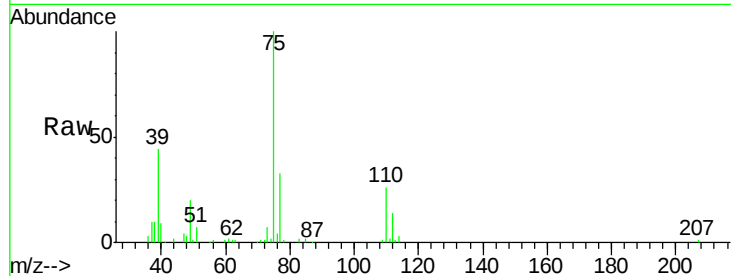




#53
 t-1,3-Dichloropropene
 Concen: 19.555 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

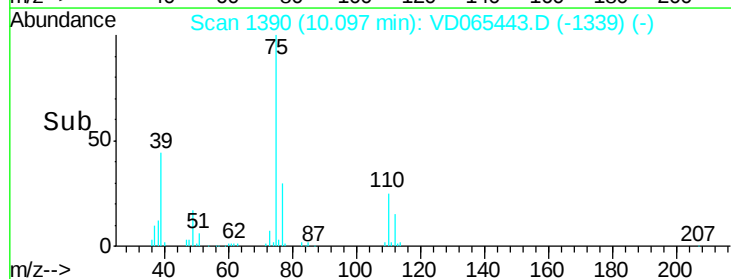
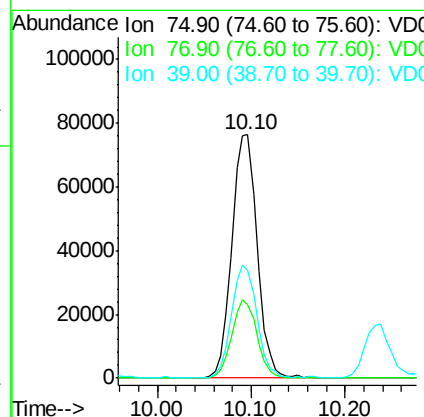
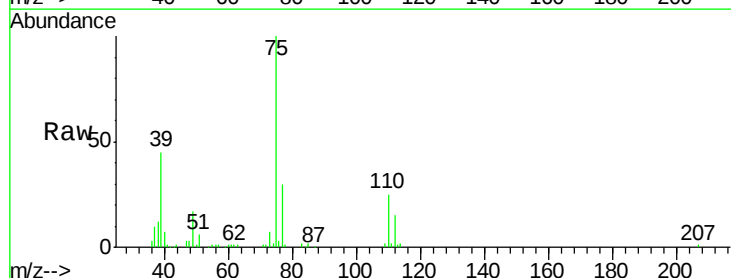
Instrument :
 MSVOA_D
 ClientSampleId :

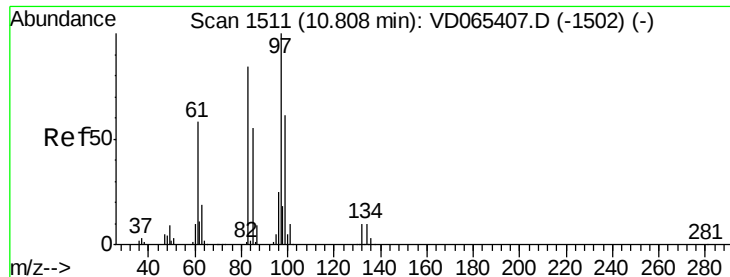
Tot Ion: 75 Resp: 115113
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.135 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion: 75 Resp: 143471
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.3 37.9
 39 44.5 34.6 52.0





#55

1,1,2-Trichloroethane

Concen: 19.613 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

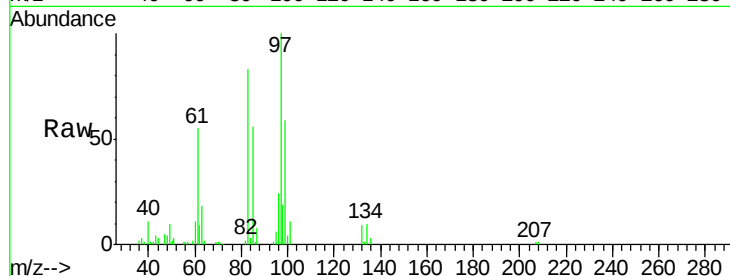
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 67261

Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.4	101.0
85	55.9	43.8	65.8
99	58.9	48.8	73.2

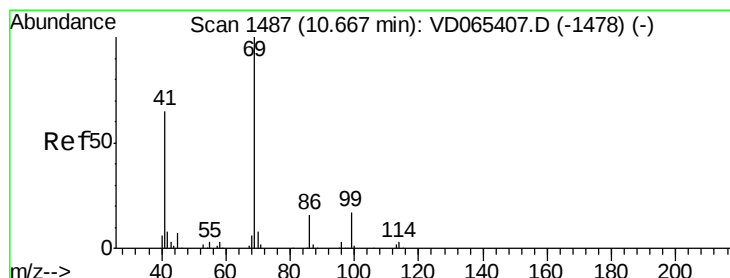
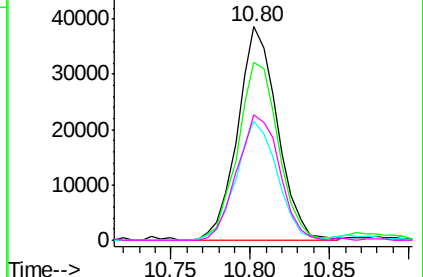
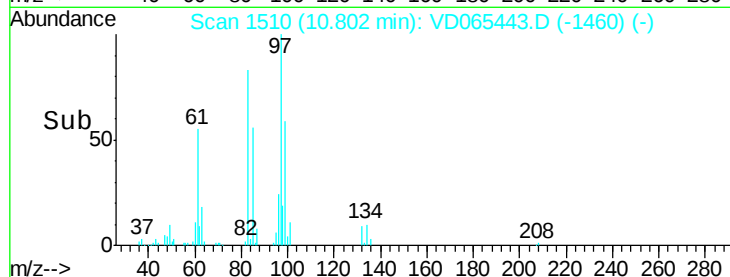


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 18.300 ug/l

RT: 10.67 min Scan# 1487

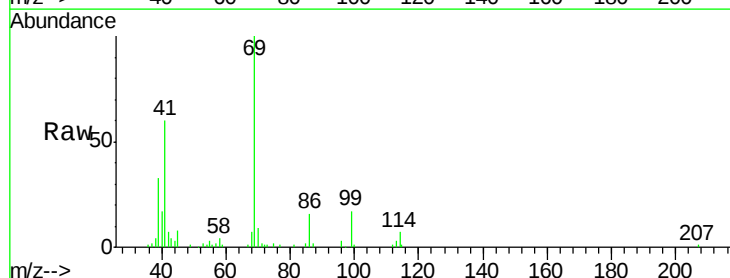
Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Tgt Ion: 69 Resp: 70749

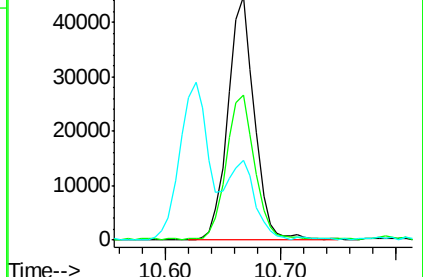
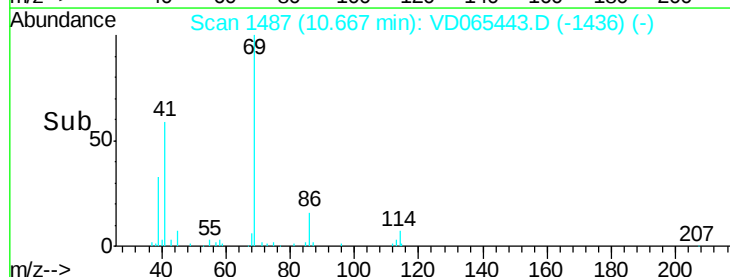
Ion	Ratio	Lower	Upper
69	100		
41	63.3	53.0	79.6
39	31.8	26.0	39.0

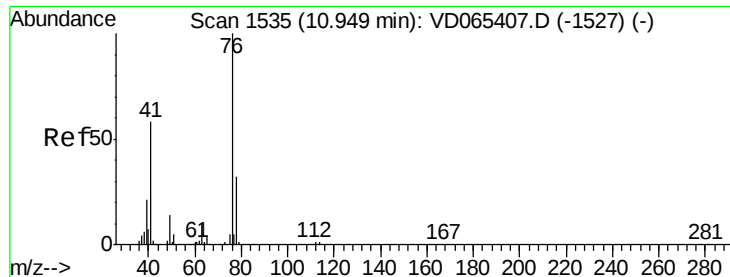


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.937 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

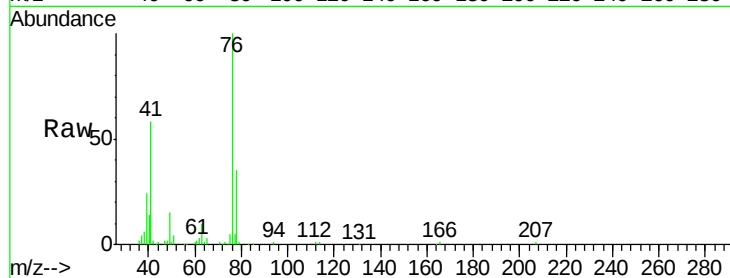
ClientSampled :

Tot Ion: 76 Resp: 115683

Ion Ratio Lower Upper

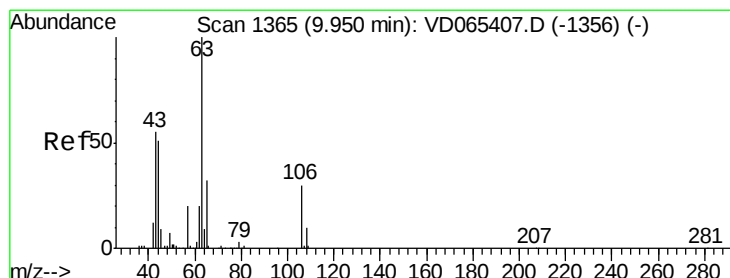
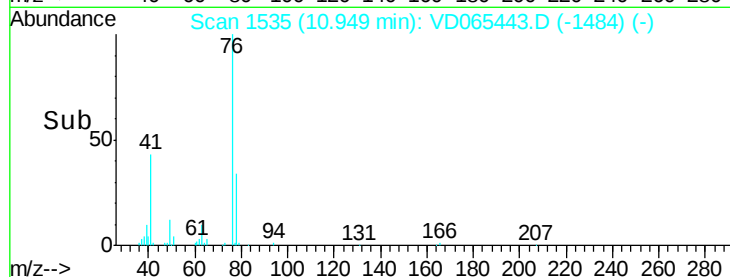
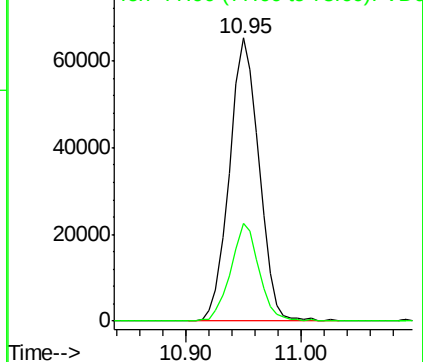
76 100

78 33.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.590 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065443.D

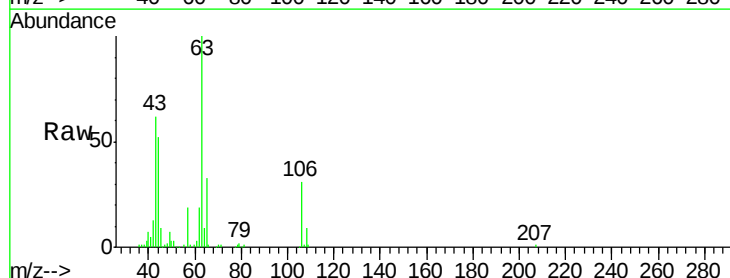
Acq: 09 Mar 2020 11:59

Tgt Ion: 63 Resp: 115082

Ion Ratio Lower Upper

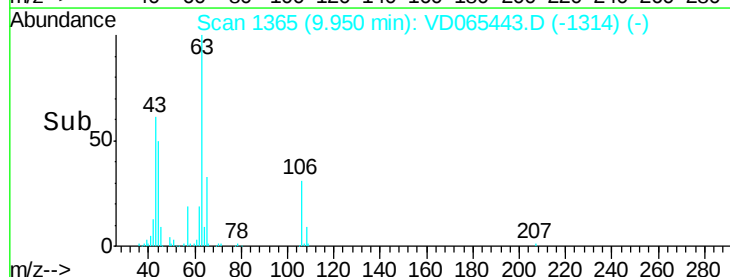
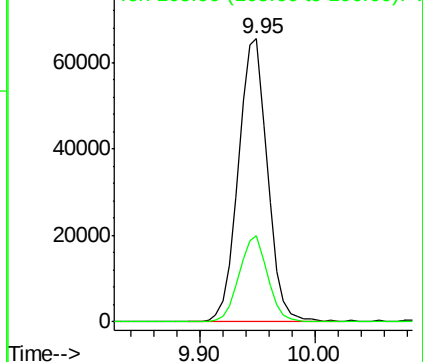
63 100

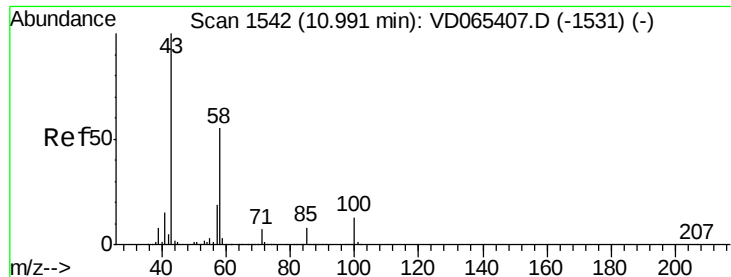
106 29.7 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

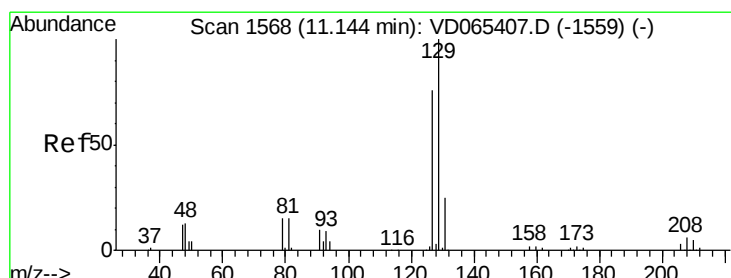
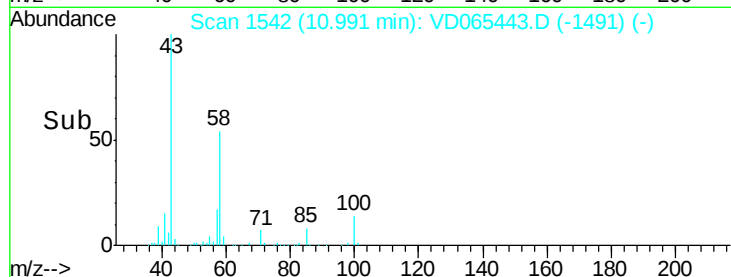
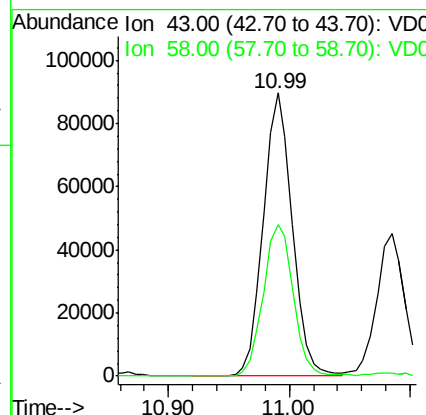
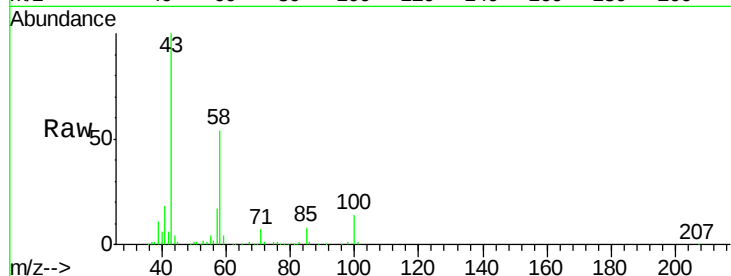




#59
2-Hexanone
Concen: 87.430 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

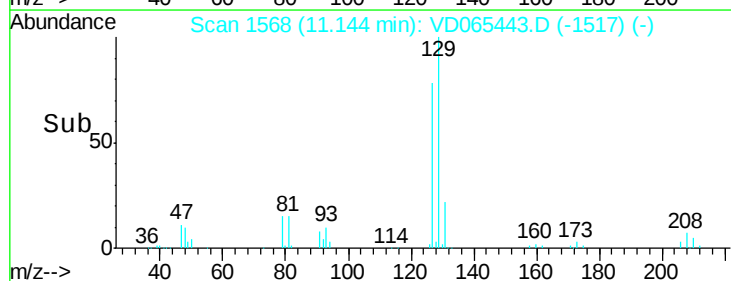
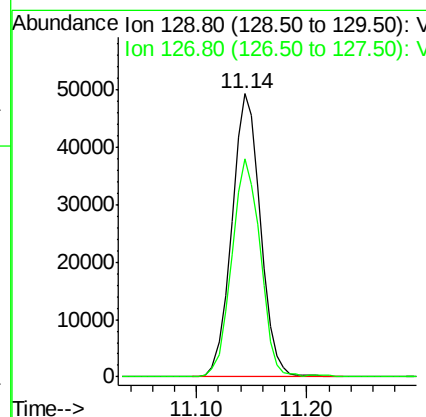
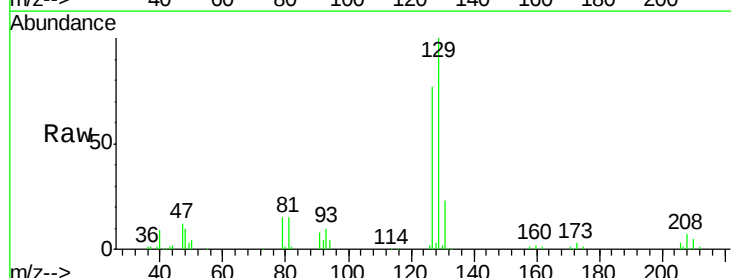
Instrument :
MSVOA_D
ClientSampleId :

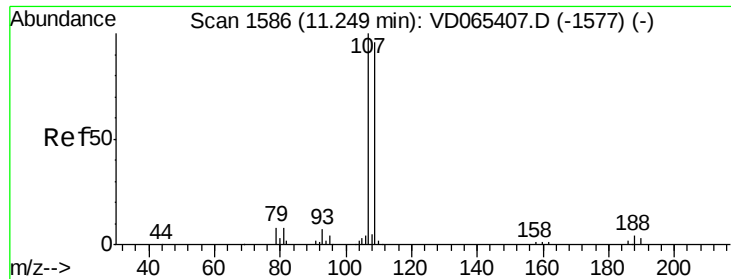
Tot Ion: 43 Resp: 149813
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.2



#60
Dibromochloromethane
Concen: 20.429 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 129 Resp: 89804
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5

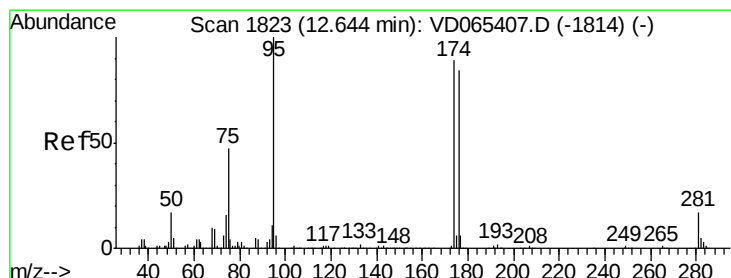
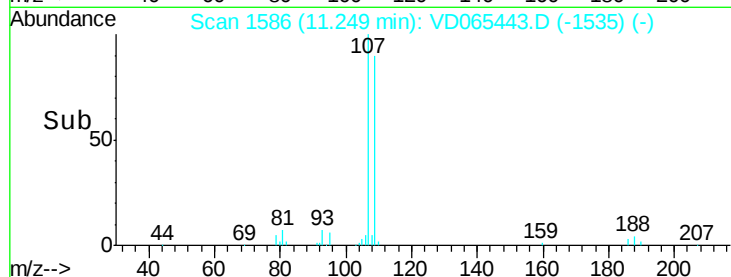
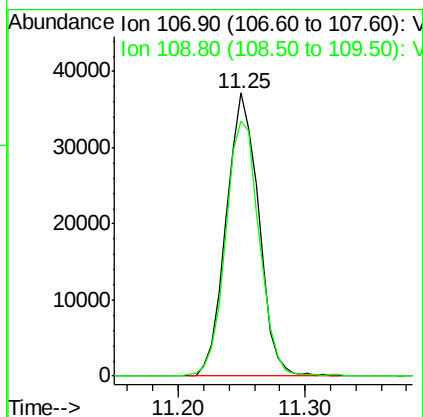
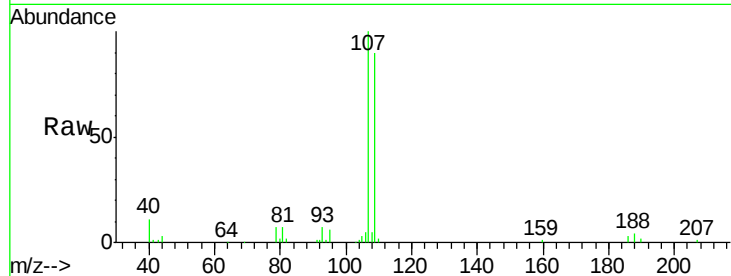




#61
1,2-Dibromoethane
Concen: 20.091 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

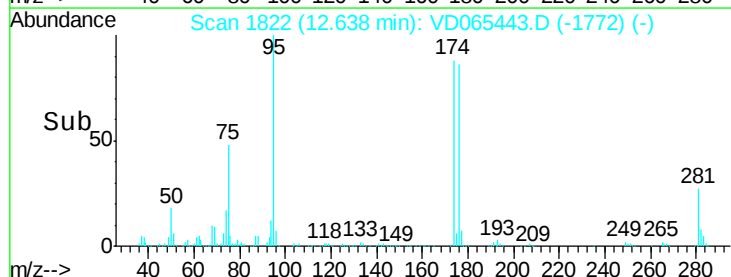
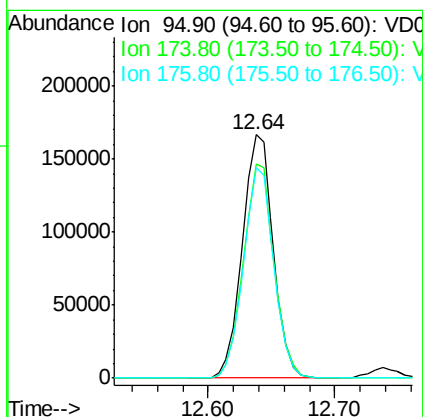
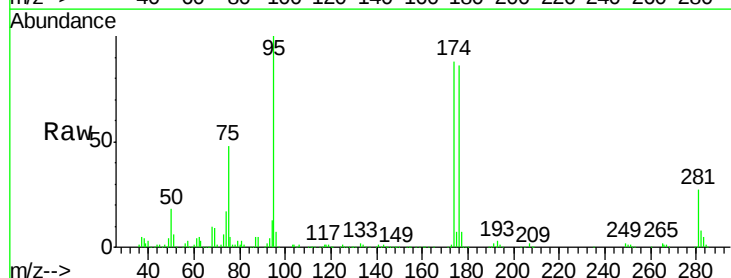
Instrument :
MSVOA_D
ClientSampleId :

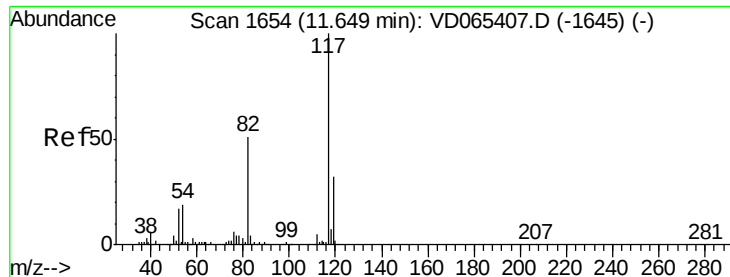
Tot Ion:107 Resp: 65722
Ion Ratio Lower Upper
107 100
109 93.7 76.8 115.2



#62
4-Bromofluorobenzene
Concen: 53.317 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 95 Resp: 280775
Ion Ratio Lower Upper
95 100
174 87.8 0.0 176.8
176 85.2 0.0 171.4

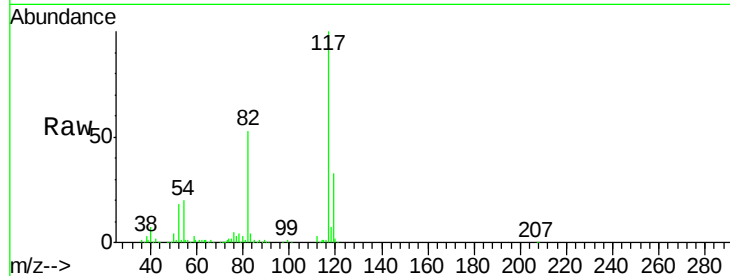




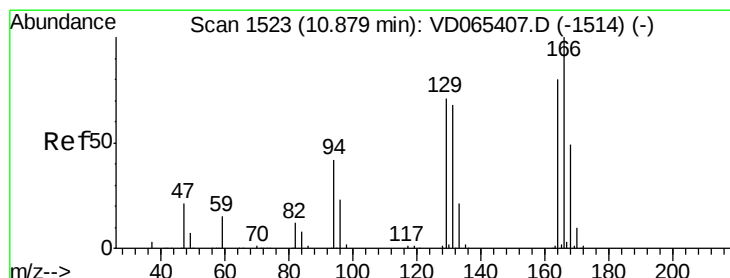
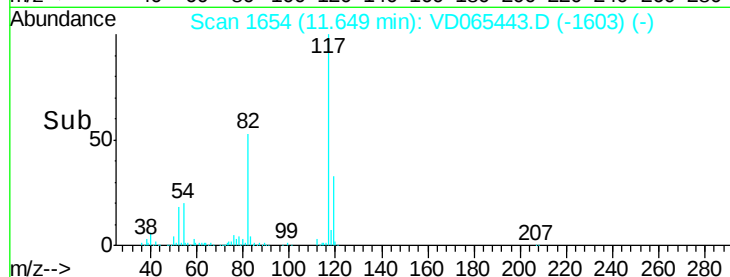
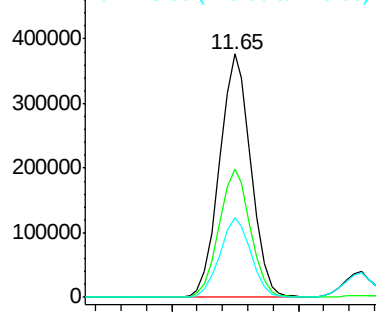
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 648518
Ion Ratio Lower Upper
117 100
82 52.7 40.6 60.8
119 32.5 25.4 38.2

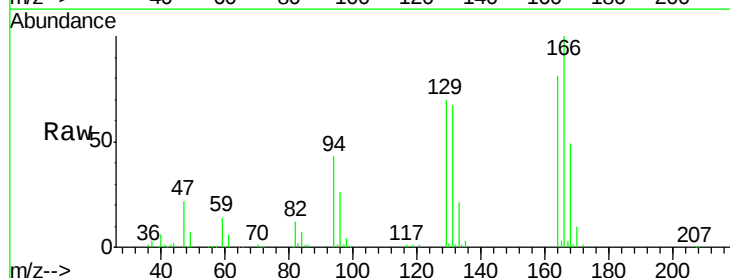


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

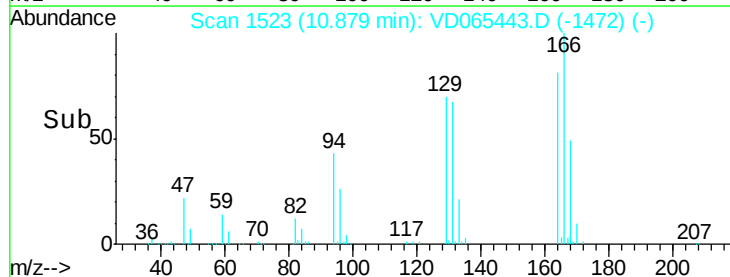
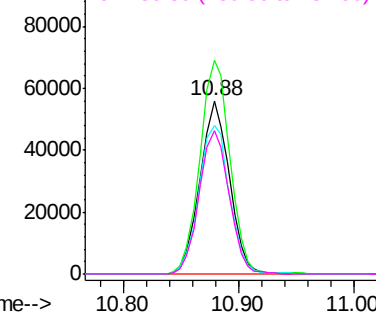


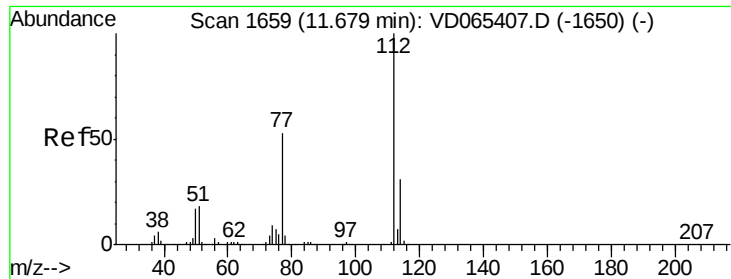
#64
Tetrachloroethene
Concen: 21.221 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion:164 Resp: 98613
Ion Ratio Lower Upper
164 100
166 123.5 100.5 150.7
129 86.0 71.5 107.3
131 83.2 68.5 102.7



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

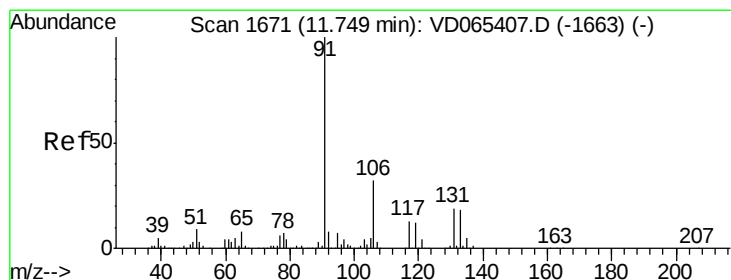
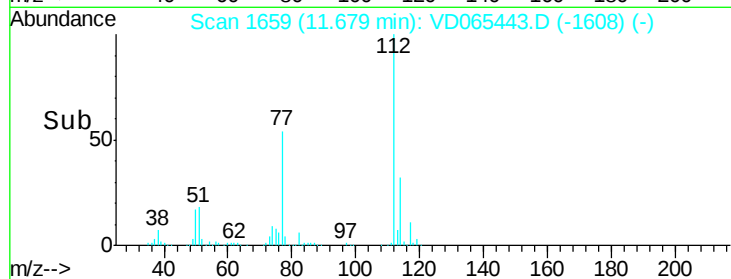
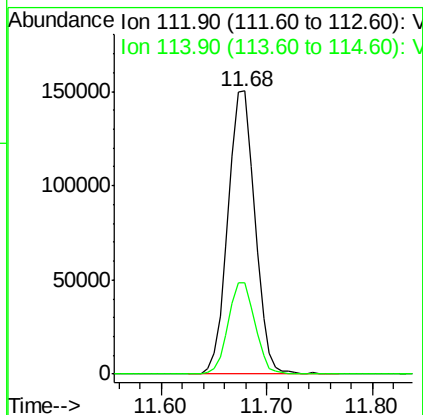
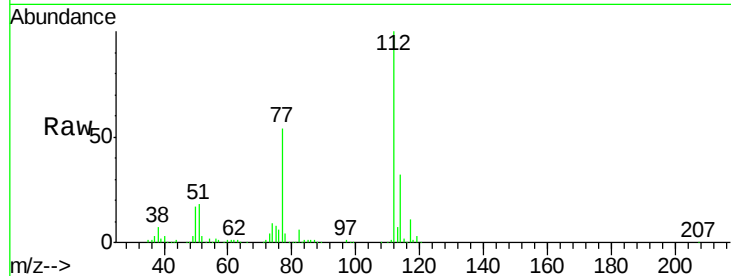




#65
Chlorobenzene
Concen: 20.696 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

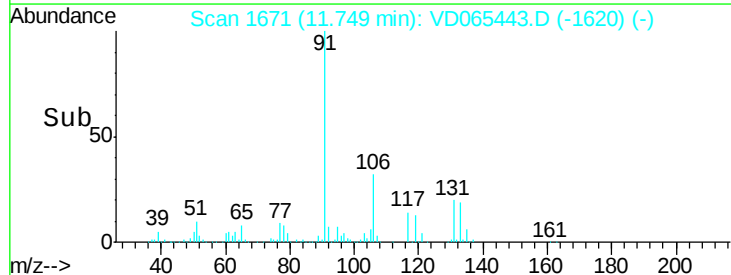
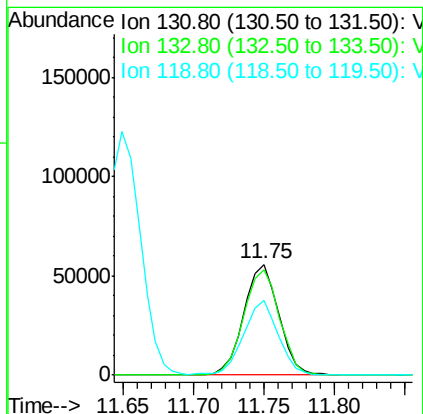
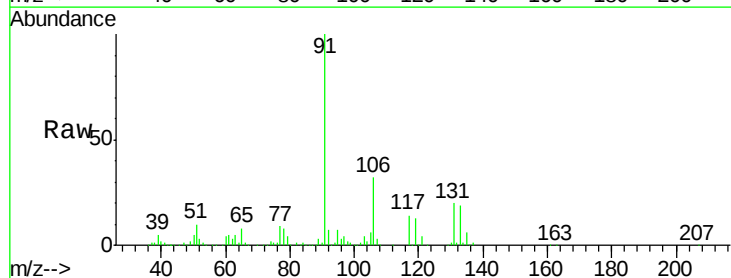
Instrument :
MSVOA_D
ClientSampleId :

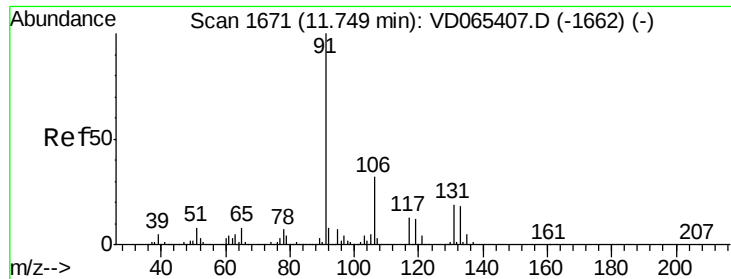
Tot Ion:112 Resp: 265607
Ion Ratio Lower Upper
112 100
114 32.1 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.741 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion:131 Resp: 96944
Ion Ratio Lower Upper
131 100
133 97.7 49.2 147.6
119 67.1 33.3 99.8





#67

Ethyl Benzene

Concen: 20.785 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

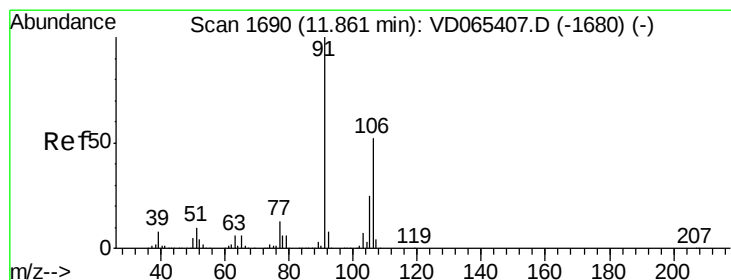
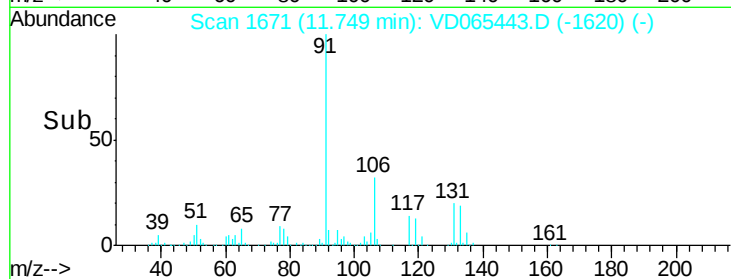
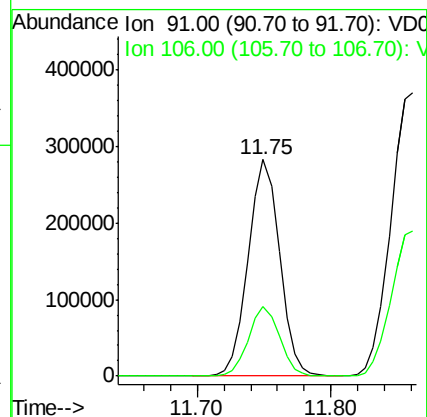
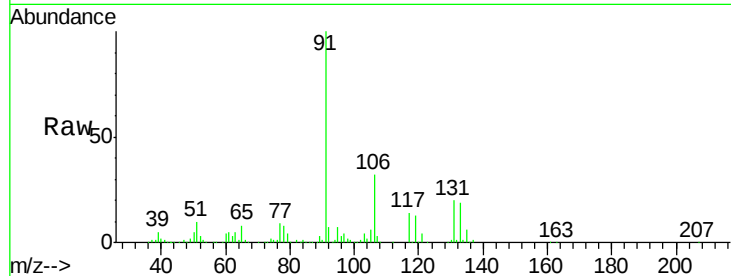
ClientSampleId :

Tot Ion: 91 Resp: 460912

Ion Ratio Lower Upper

91 100

106 31.8 25.2 37.8



#68

m/p-Xylenes

Concen: 42.311 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065443.D

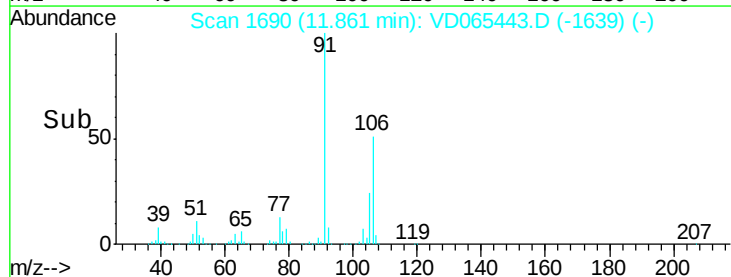
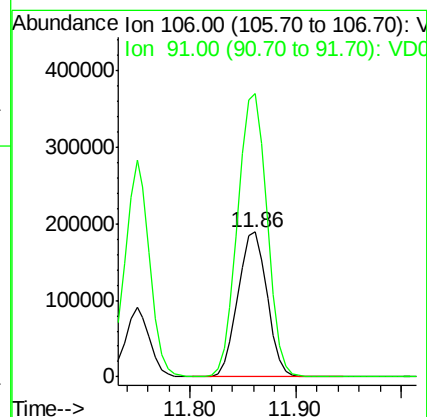
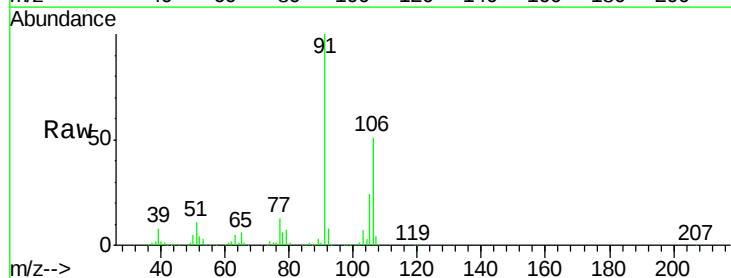
Acq: 09 Mar 2020 11:59

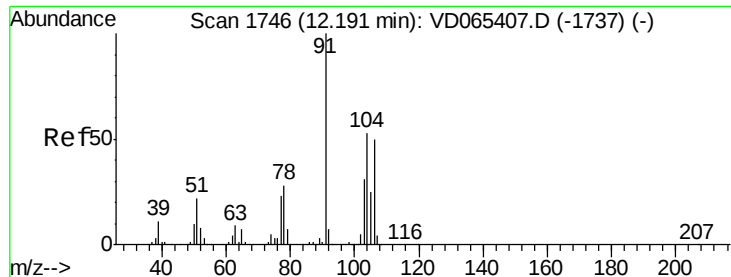
Tgt Ion: 106 Resp: 361772

Ion Ratio Lower Upper

106 100

91 197.6 155.9 233.9

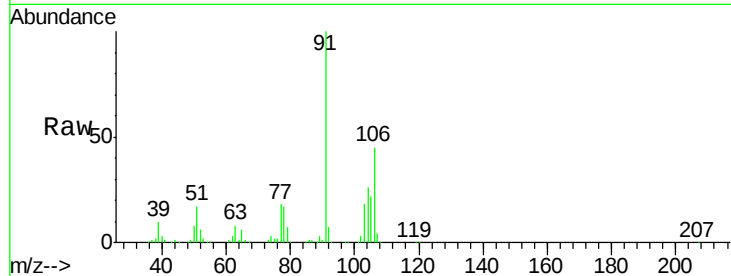




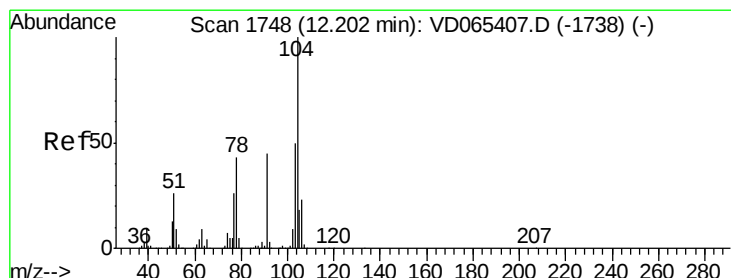
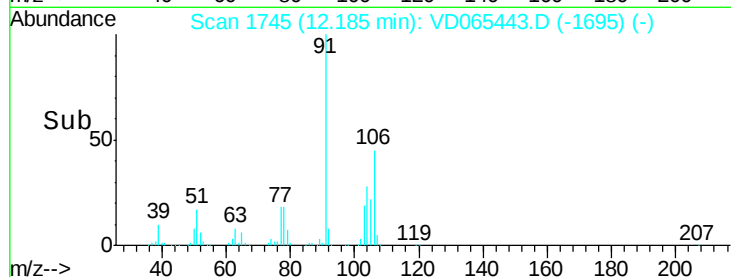
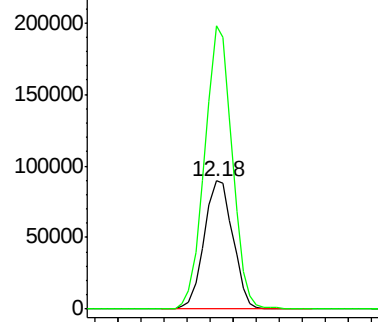
#69
o-Xylene
Concen: 20.630 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 155161
Ion Ratio Lower Upper
106 100
91 210.4 103.5 310.3

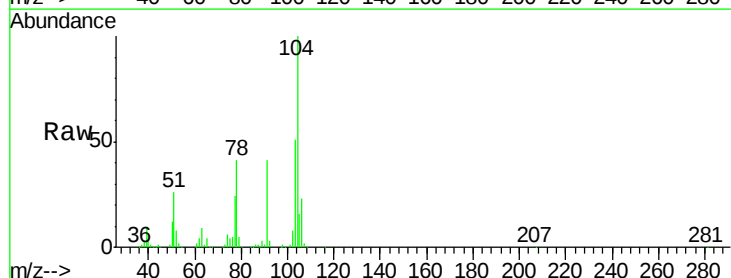


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

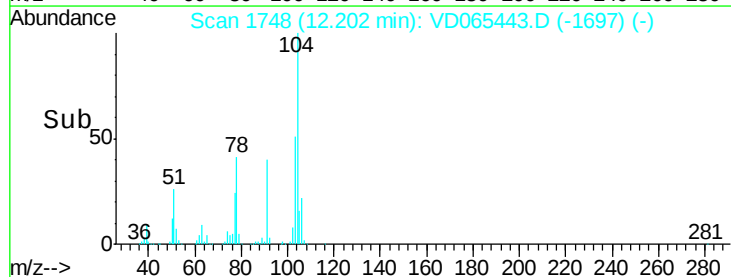
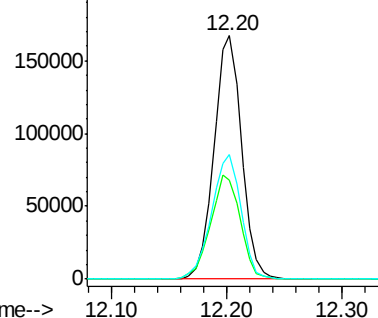


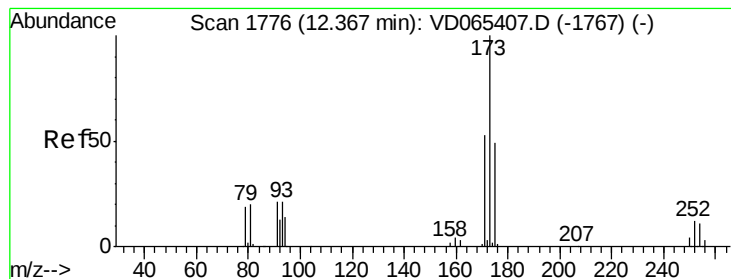
#70
Styrene
Concen: 20.958 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion:104 Resp: 277416
Ion Ratio Lower Upper
104 100
78 46.2 37.7 56.5
103 54.5 43.6 65.4



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





#71

Bromoform

Concen: 19.655 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

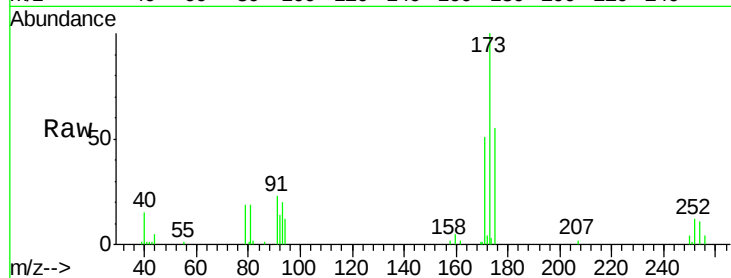
Tot Ion:173 Resp: 51603

Ion Ratio Lower Upper

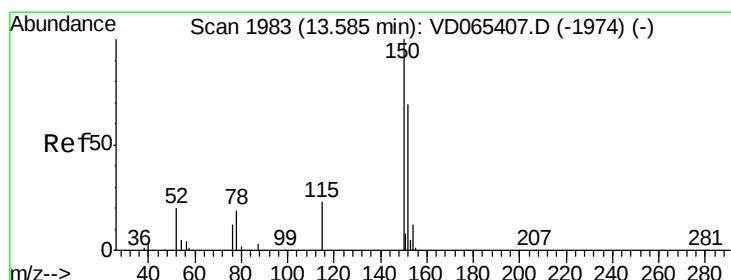
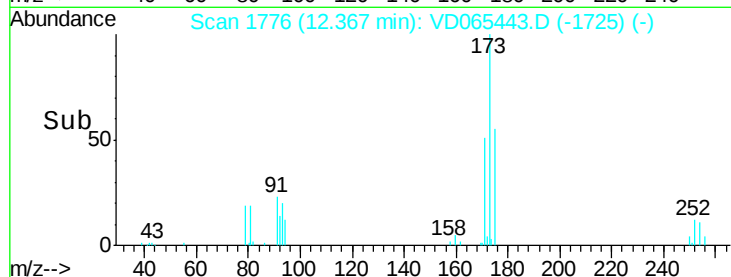
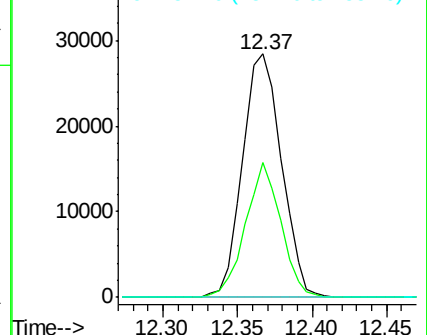
173 100

175 49.9 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

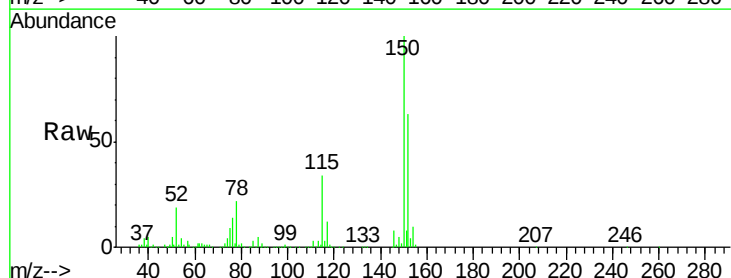
Tgt Ion:152 Resp: 321787

Ion Ratio Lower Upper

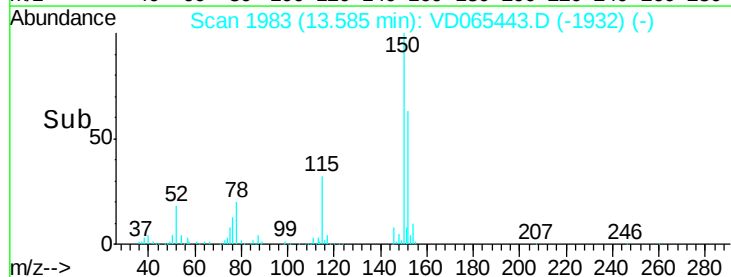
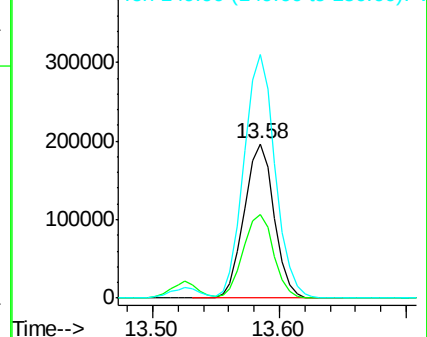
152 100

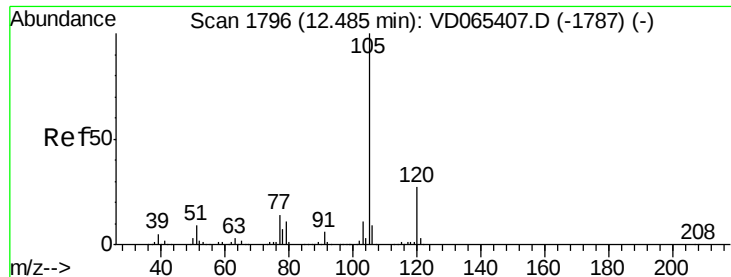
115 55.1 27.6 82.8

150 164.2 0.0 345.0



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





#73

Isopropylbenzene

Concen: 20.416 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

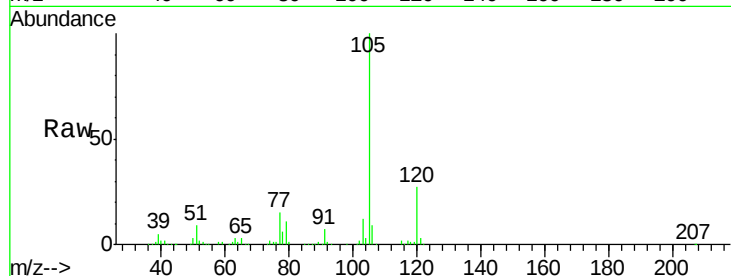
ClientSampleId :

Tot Ion:105 Resp: 432116

Ion Ratio Lower Upper

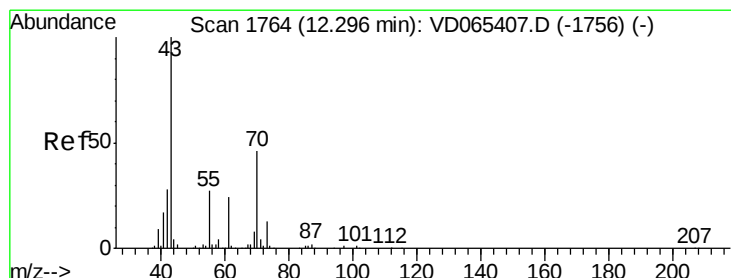
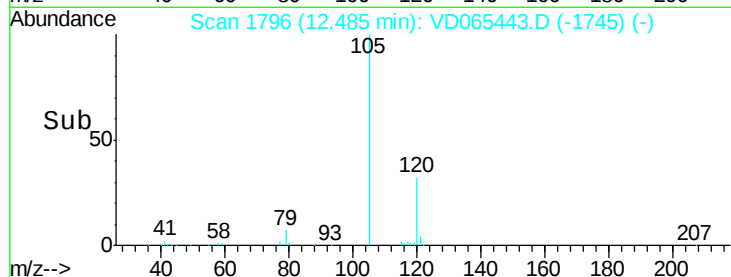
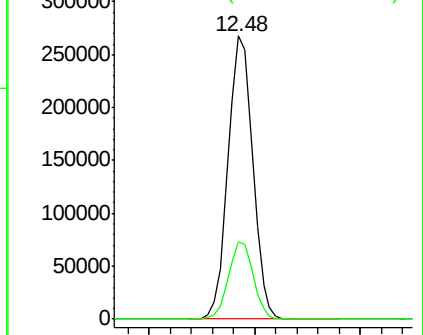
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.519 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Tgt Ion: 43 Resp: 75912

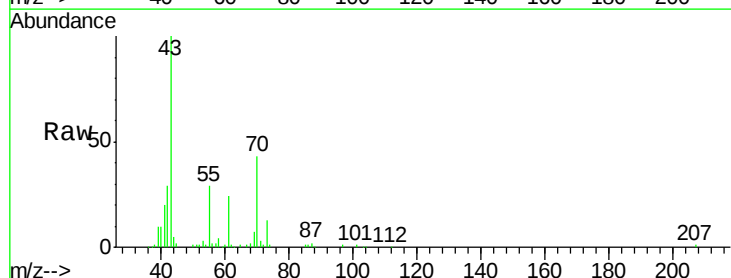
Ion Ratio Lower Upper

43 100

70 44.4 36.1 54.1

55 30.7 21.6 32.4

61 24.3 19.6 29.4

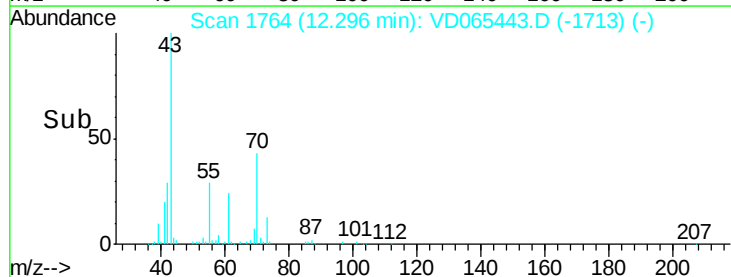
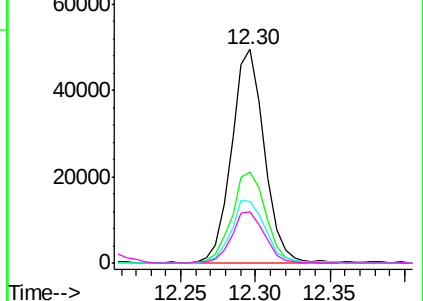


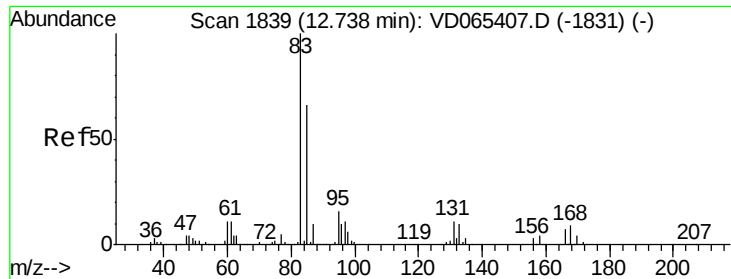
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.757 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

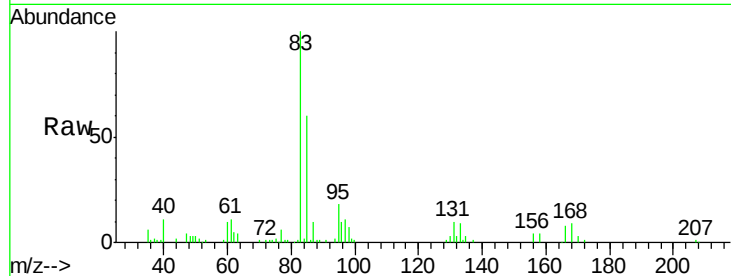
Tot Ion: 83 Resp: 69784

Ion Ratio Lower Upper

83 100

131 10.4 5.4 16.2

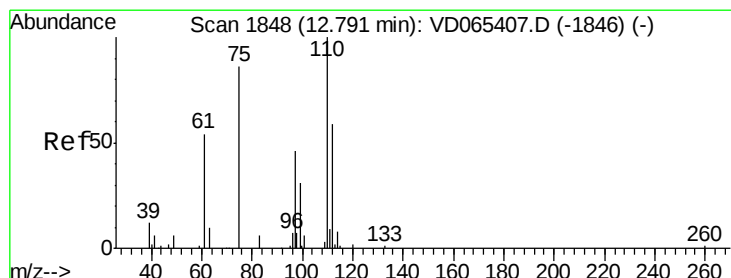
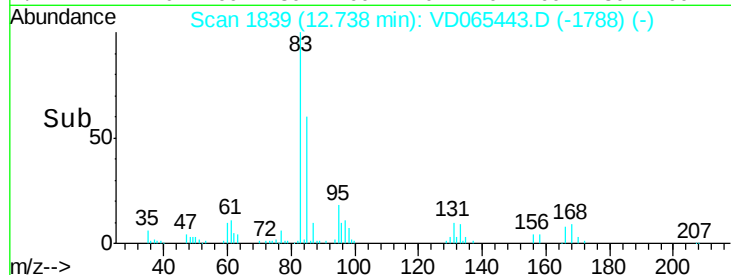
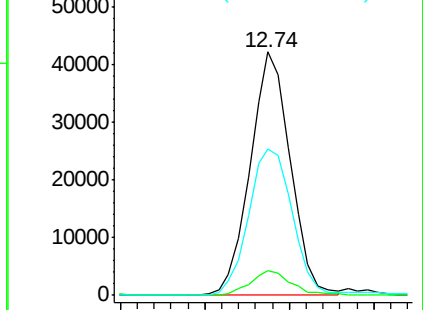
85 65.2 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 35.148 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065443.D

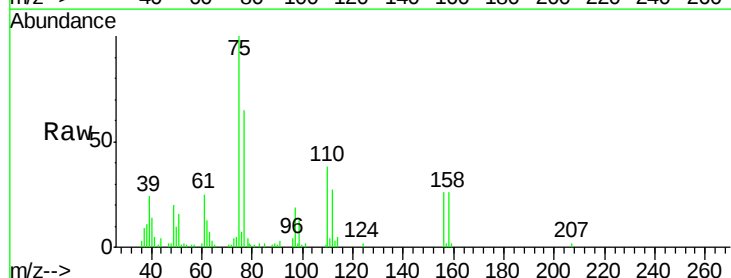
Acq: 09 Mar 2020 11:59

Tgt Ion: 75 Resp: 89246

Ion Ratio Lower Upper

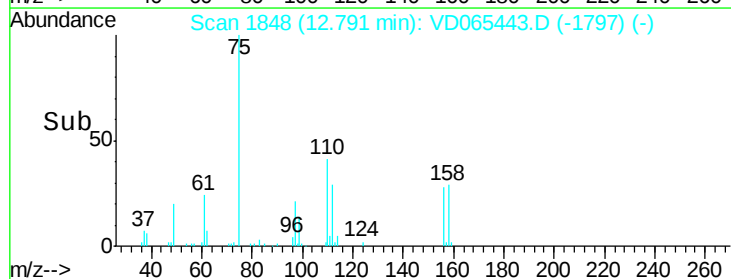
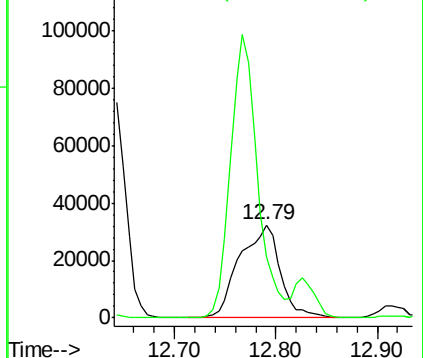
75 100

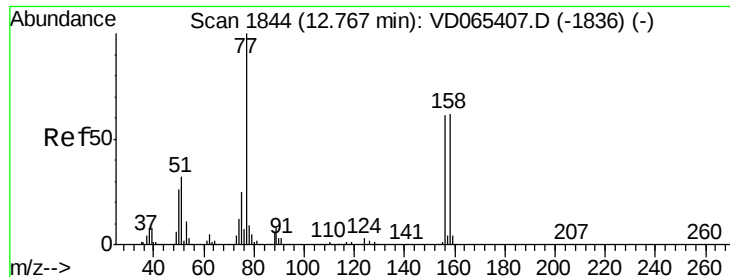
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.152 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

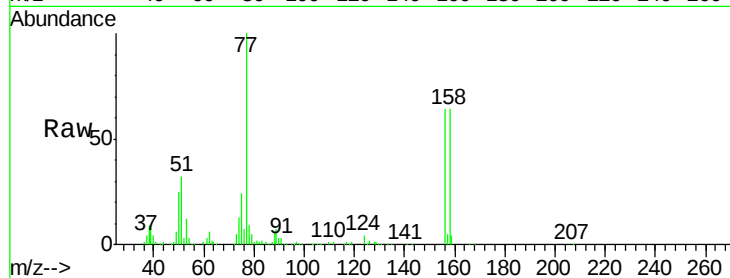
Instrument :

MSVOA_D

ClientSampled :

Tot Ion:156 Resp: 105969

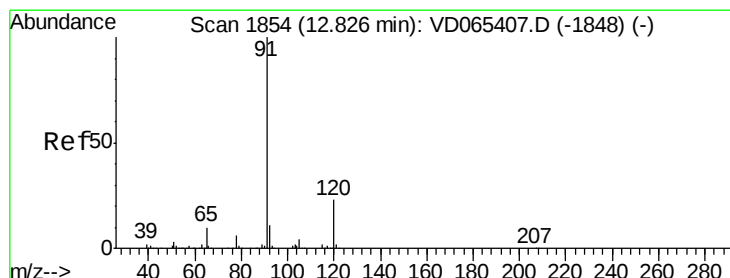
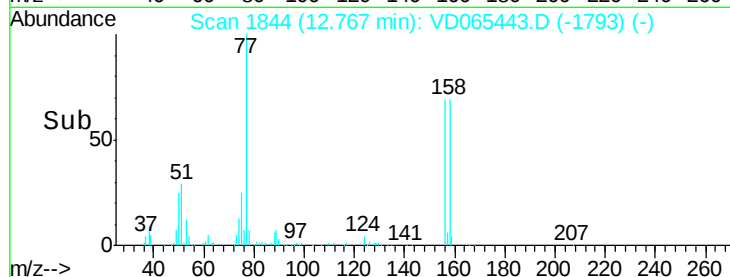
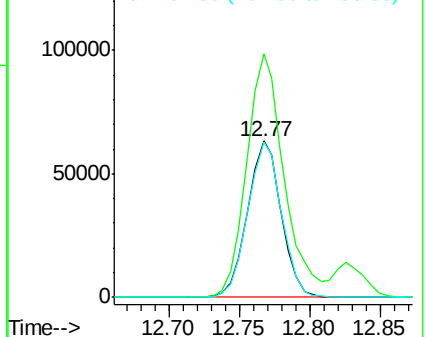
Ion	Ratio	Lower	Upper
156	100		
77	172.4	84.9	254.6
158	99.6	49.0	147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.962 ug/l

RT: 12.83 min Scan# 1854

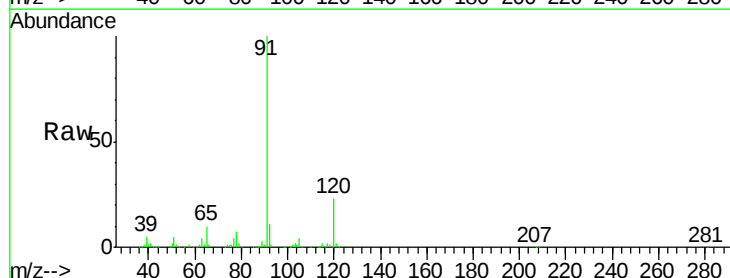
Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

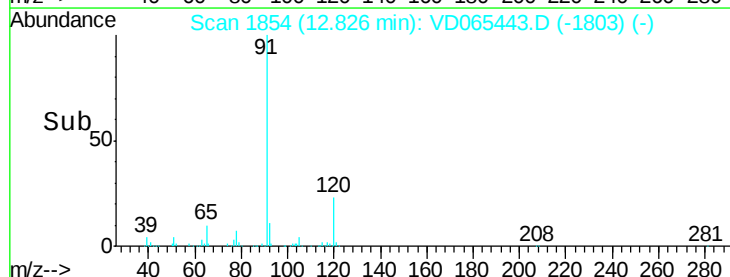
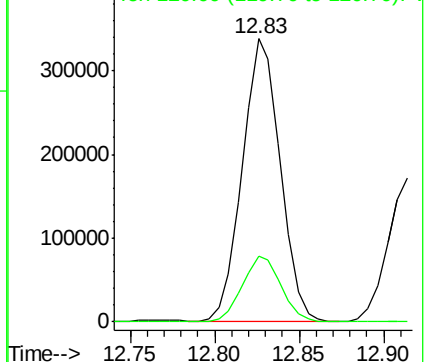
Tgt Ion: 91 Resp: 526418

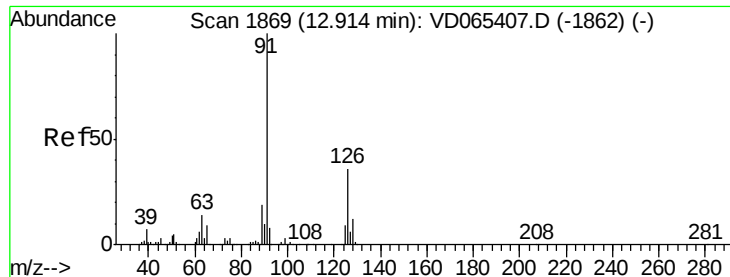
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

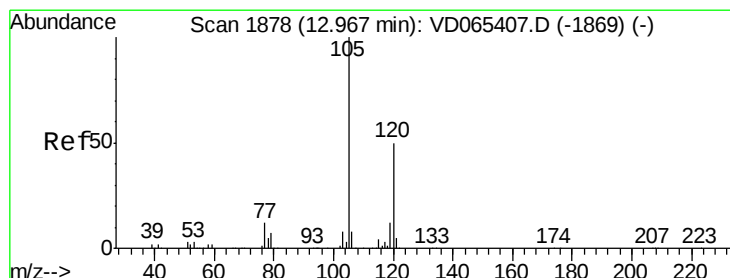
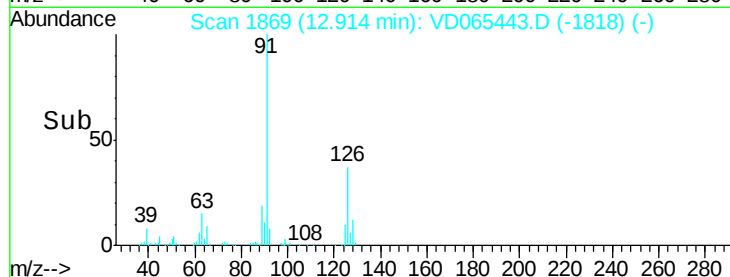
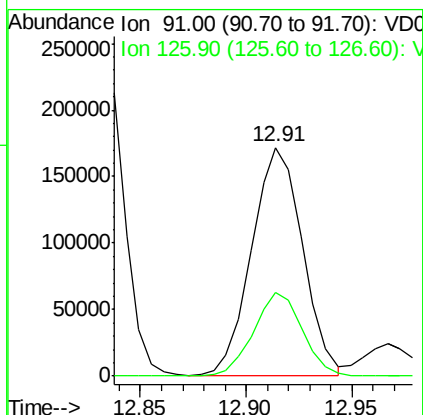
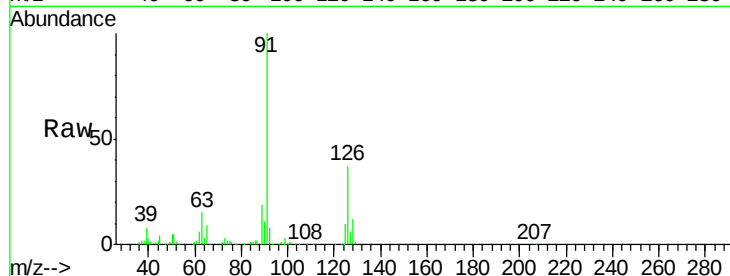




#79
 2-Chlorotoluene
 Concen: 20.241 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

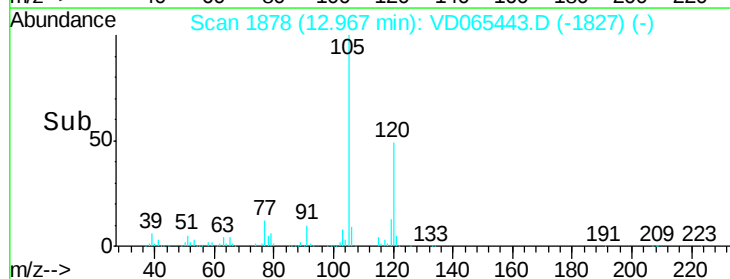
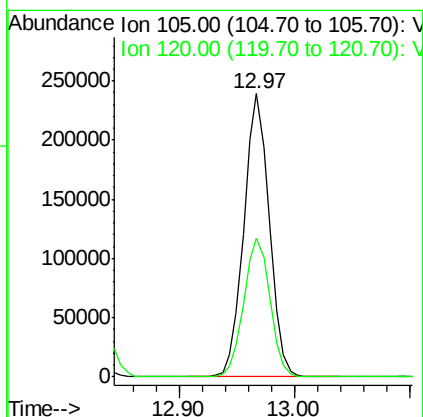
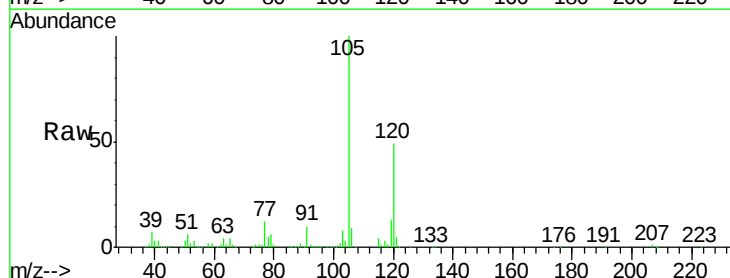
Instrument :
 MSVOA_D
 ClientSampled :

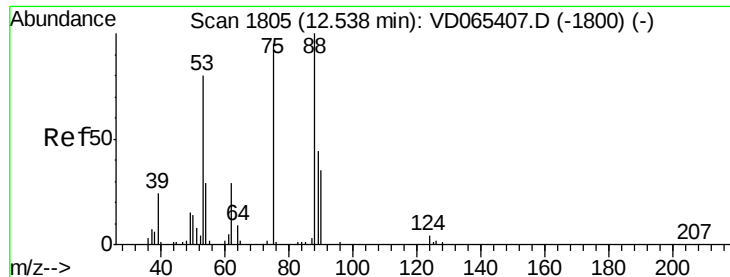
Tot Ion: 91 Resp: 286476
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.002 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion: 105 Resp: 365439
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.207 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

ClientSampleId :

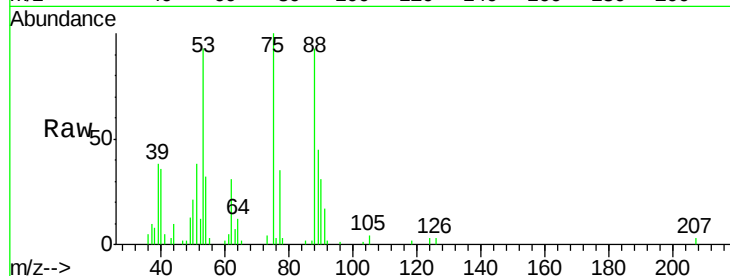
Tot Ion: 75 Resp: 21907

Ion Ratio Lower Upper

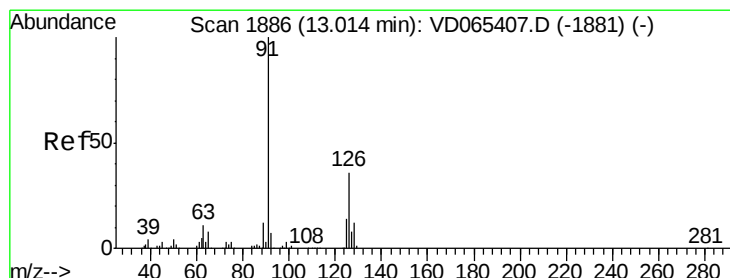
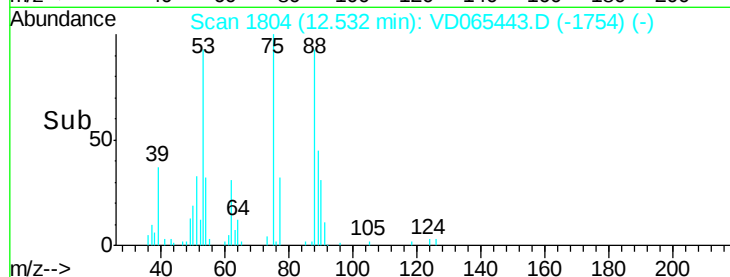
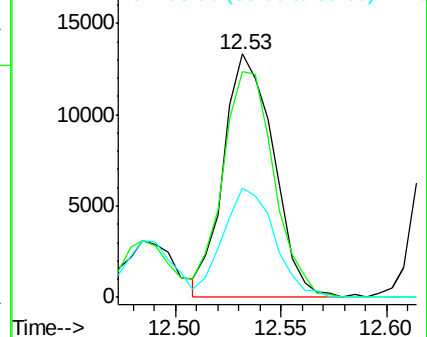
75 100

53 94.8 71.3 106.9

89 46.1 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.728 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065443.D

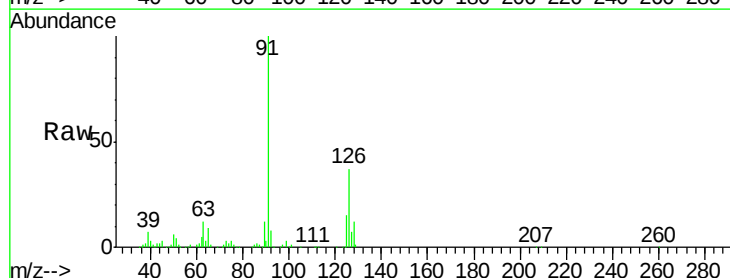
Acq: 09 Mar 2020 11:59

Tgt Ion: 91 Resp: 308286

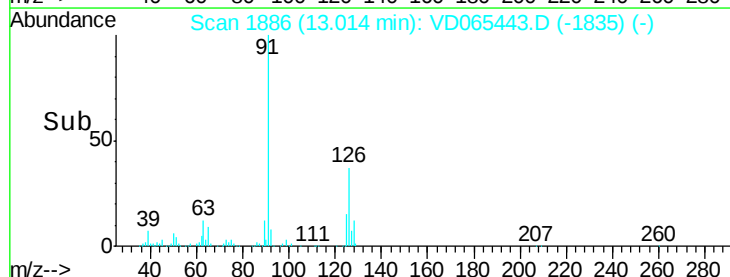
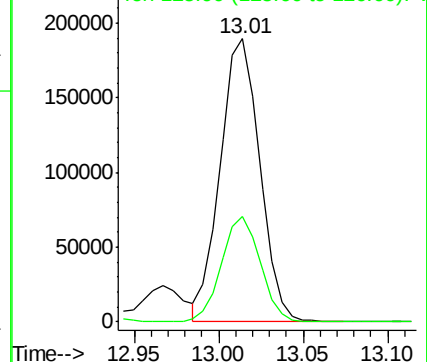
Ion Ratio Lower Upper

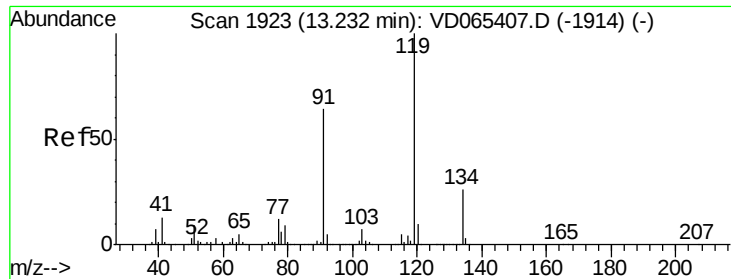
91 100

126 36.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

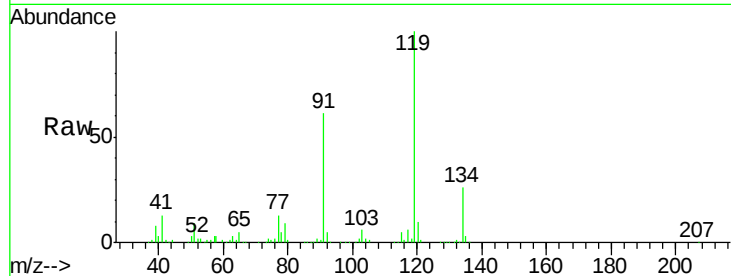




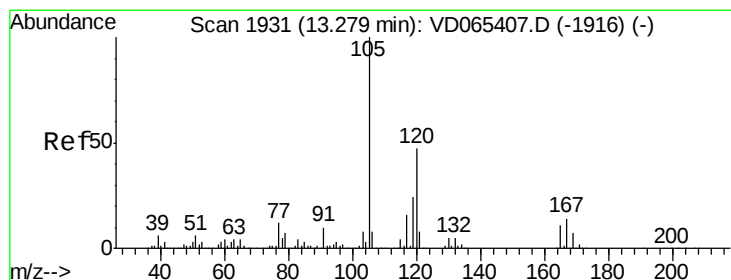
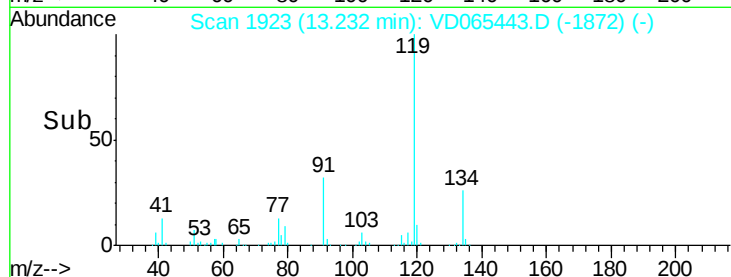
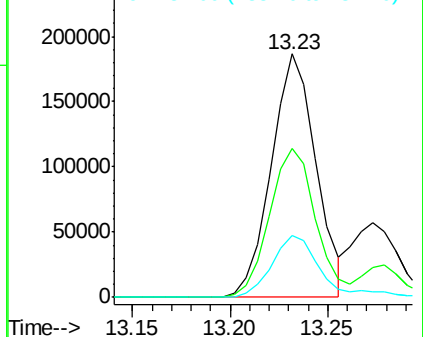
#83
tert-Butylbenzene
Concen: 20.138 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 296449
Ion Ratio Lower Upper
119 100
91 63.3 31.6 95.0
134 27.9 14.2 42.8

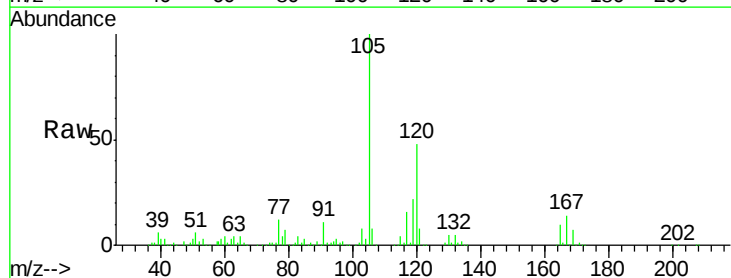


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

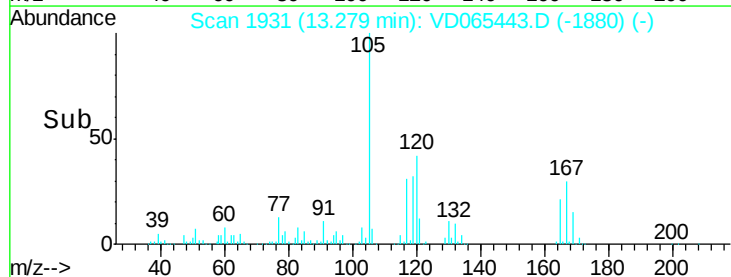
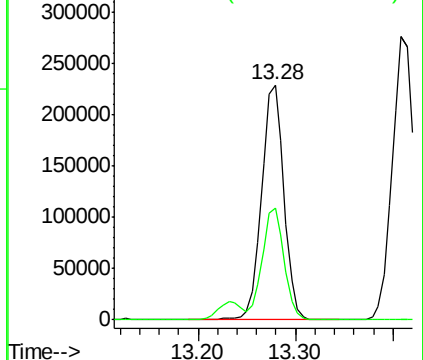


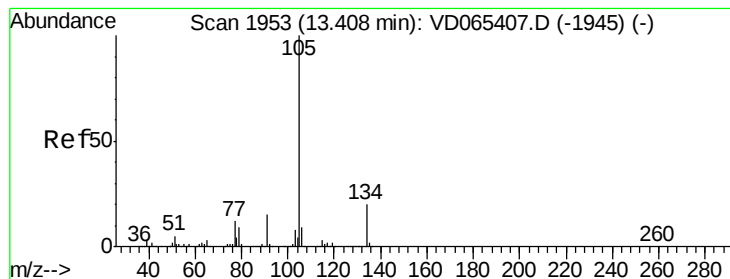
#84
1,2,4-Trimethylbenzene
Concen: 21.438 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion:105 Resp: 367702
Ion Ratio Lower Upper
105 100
120 46.6 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 20.794 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

Instrument :

MSVOA_D

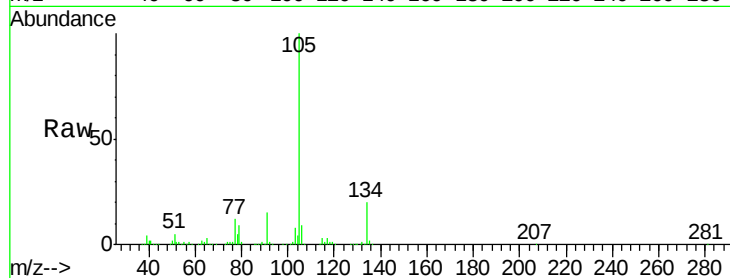
ClientSampleId :

Tot Ion:105 Resp: 436934

Ion Ratio Lower Upper

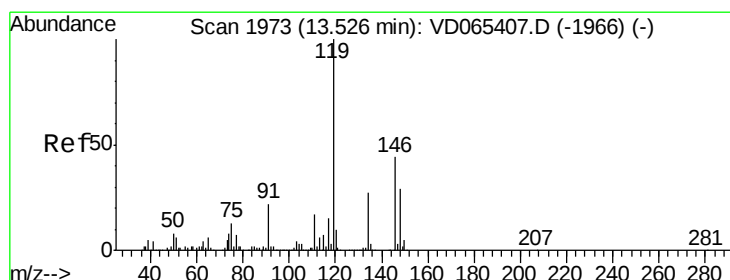
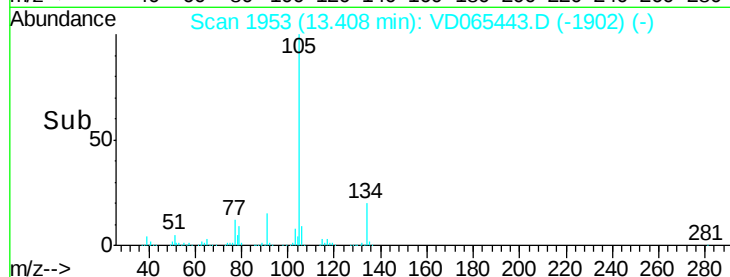
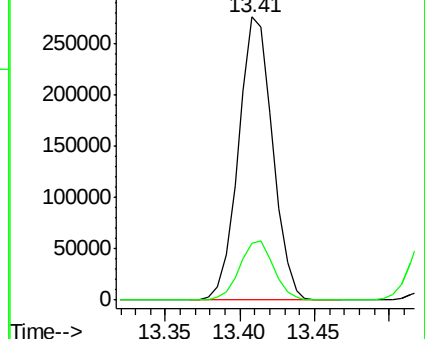
105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.000 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065443.D

Acq: 09 Mar 2020 11:59

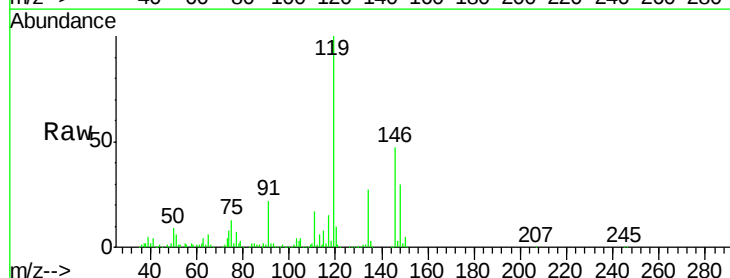
Tgt Ion:119 Resp: 402659

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

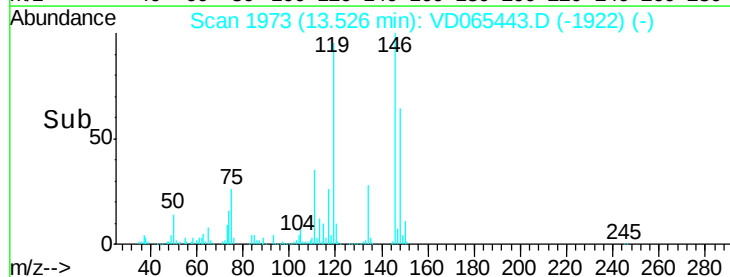
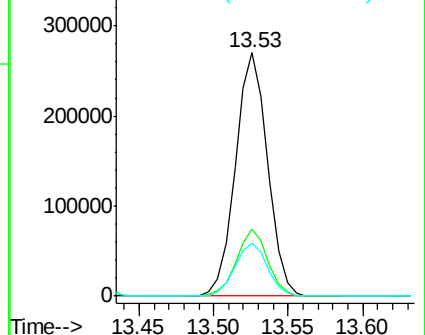
91 21.7 10.9 32.6

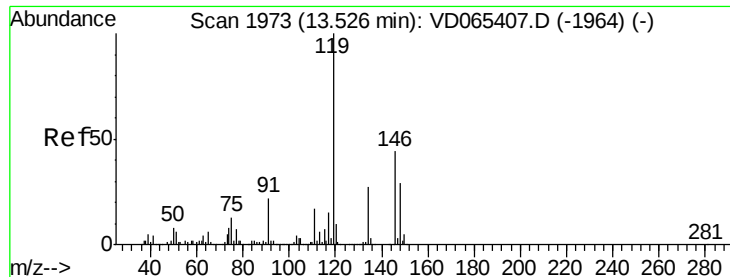


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

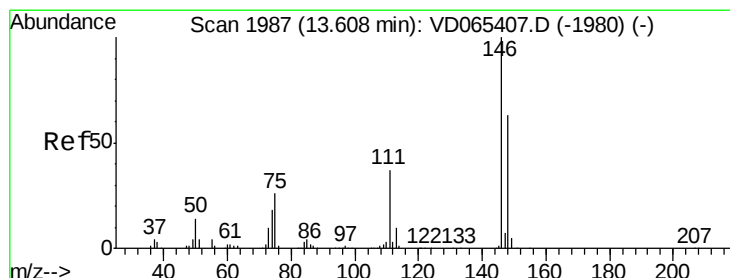
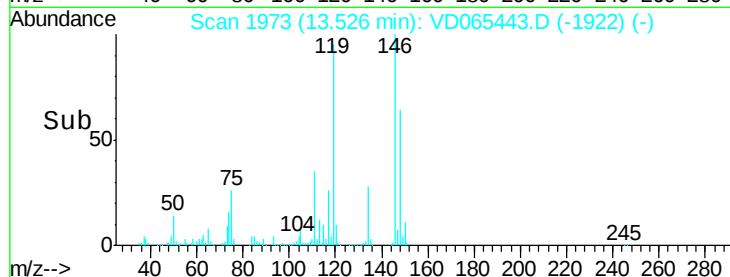
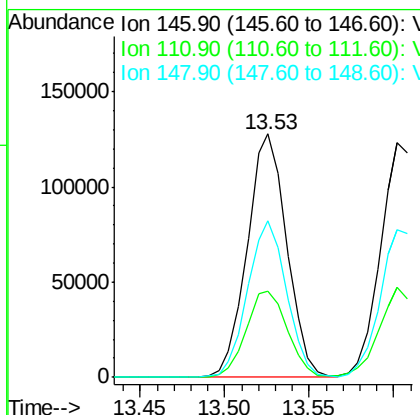
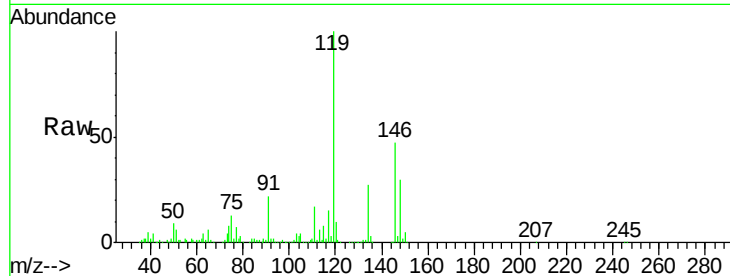




#87
 1,3-Dichlorobenzene
 Concen: 20.627 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

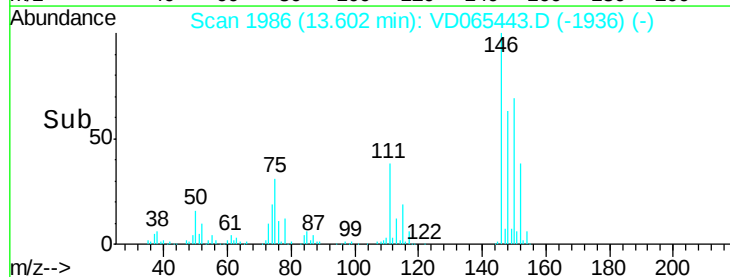
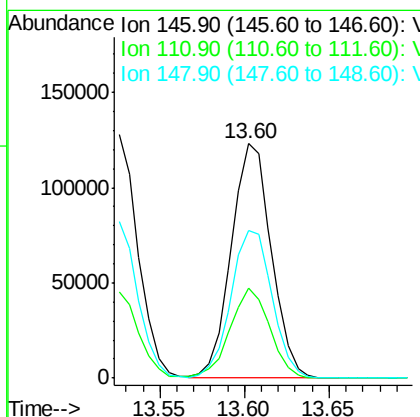
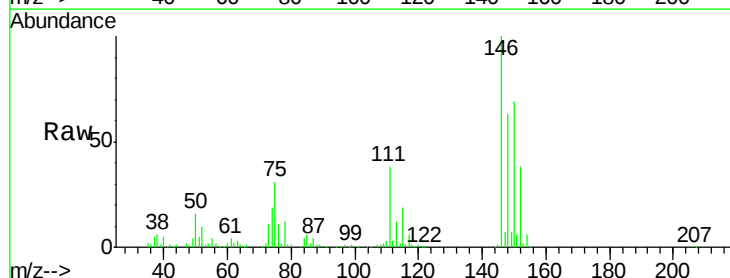
Instrument :
 MSVOA_D
 ClientSampleId :

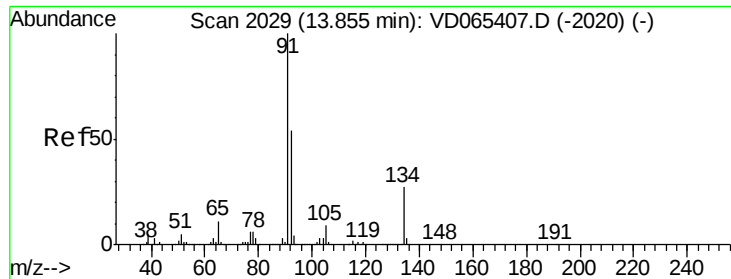
Tot Ion:146 Resp: 208539
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.1 57.1
 148 63.4 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.204 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion:146 Resp: 203188
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.5 55.5
 148 64.7 32.0 96.0

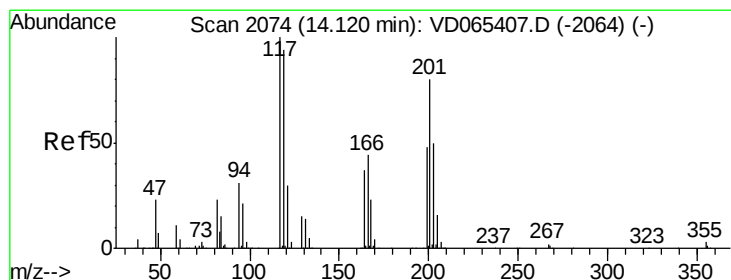
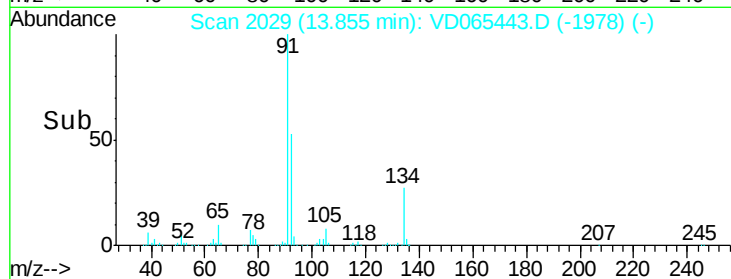
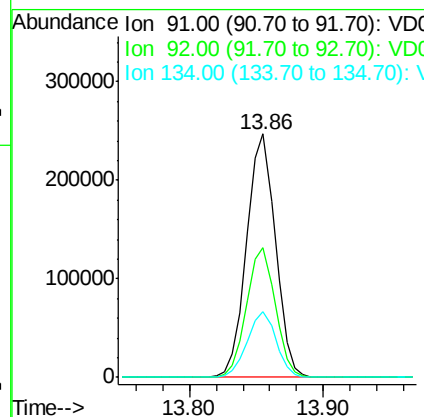
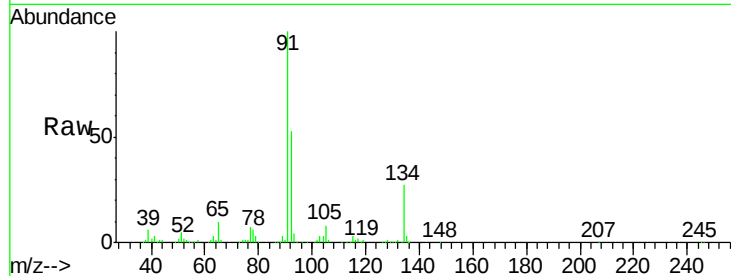




#89
n-Butylbenzene
Concen: 20.739 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

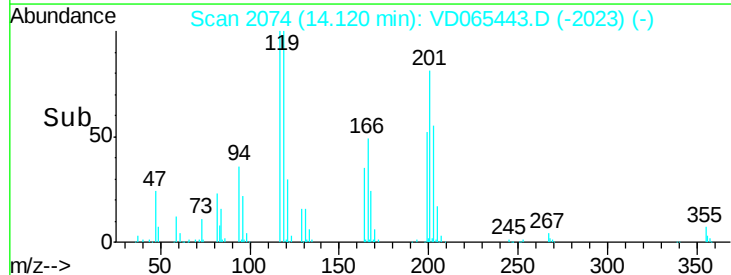
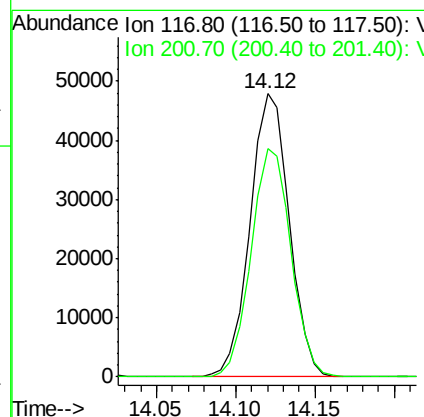
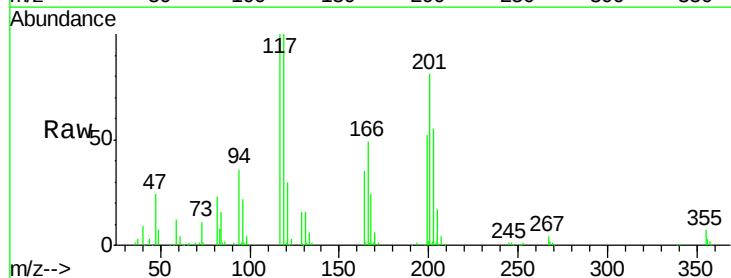
Instrument :
MSVOA_D
ClientSampleId :

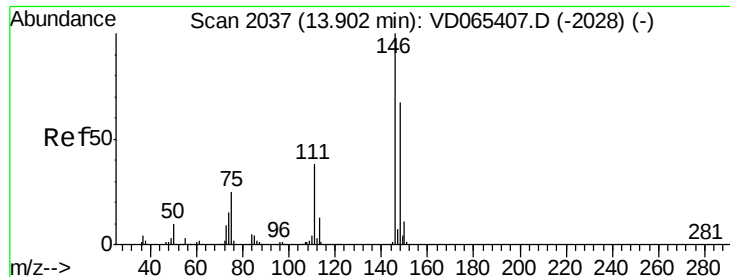
Tot Ion: 91 Resp: 367623
Ion Ratio Lower Upper
91 100
92 52.9 26.8 80.4
134 26.9 13.4 40.2



#90
Hexachloroethane
Concen: 20.856 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion: 117 Resp: 82354
Ion Ratio Lower Upper
117 100
201 82.1 41.9 125.6

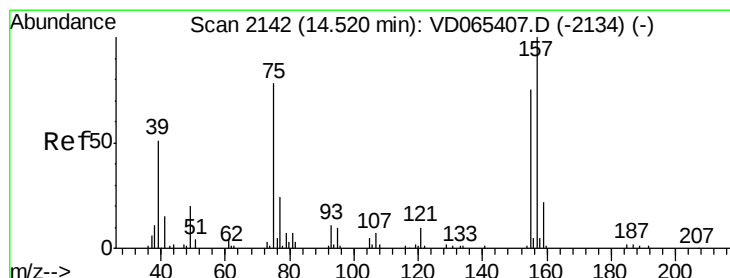
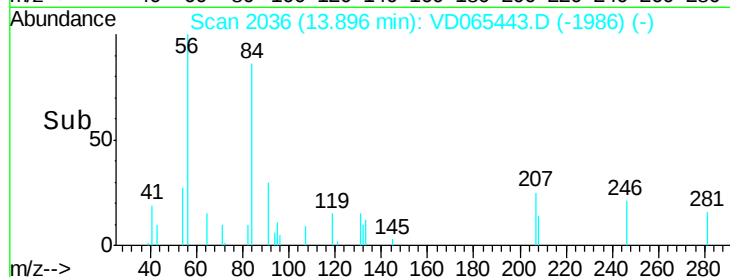
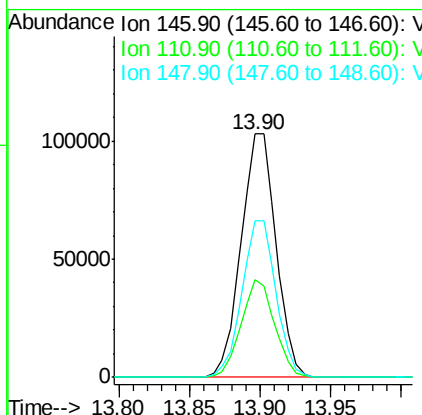
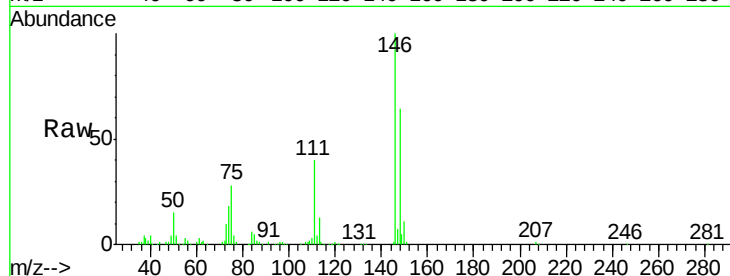




#91
 1,2-Dichlorobenzene
 Concen: 20.777 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

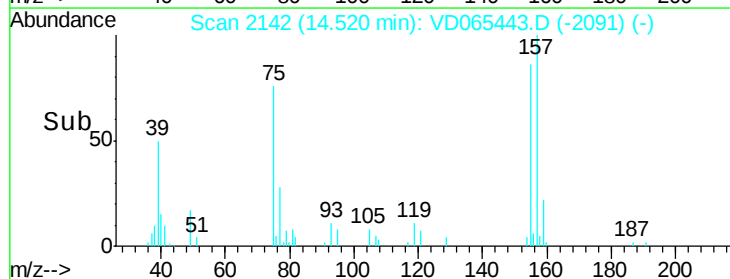
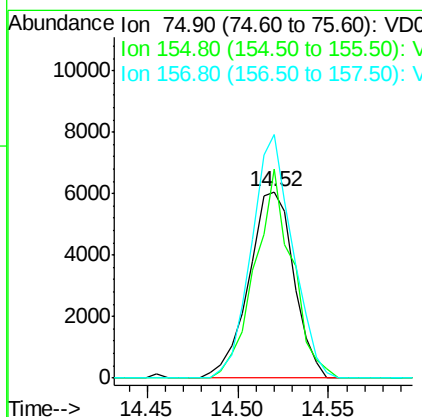
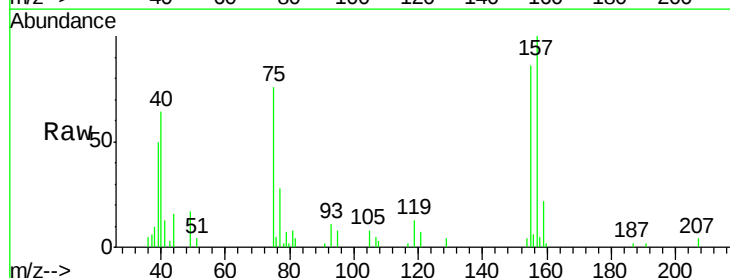
Instrument :
 MSVOA_D
 ClientSampleId :

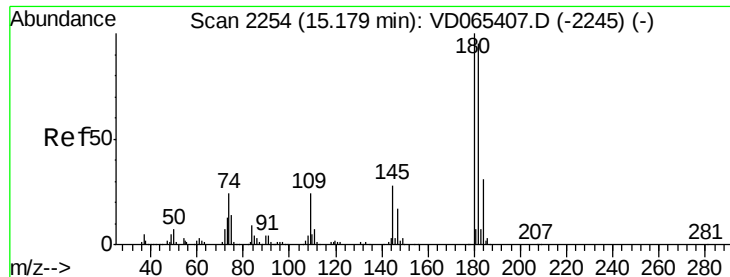
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.8	59.3
148	62.5	32.6	97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.466 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	46.4	139.1
157	119.3	60.2	180.4

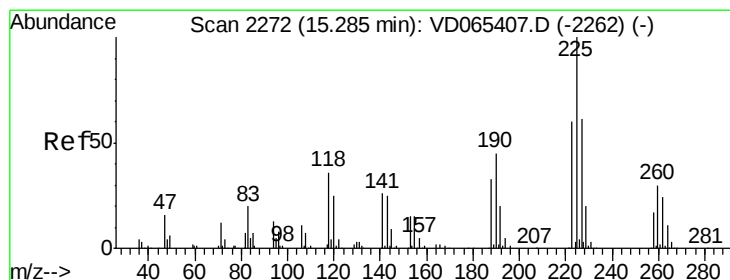
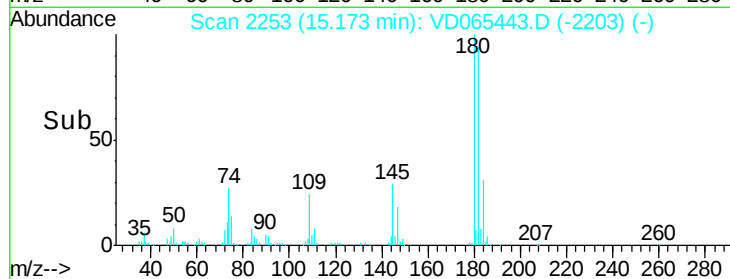
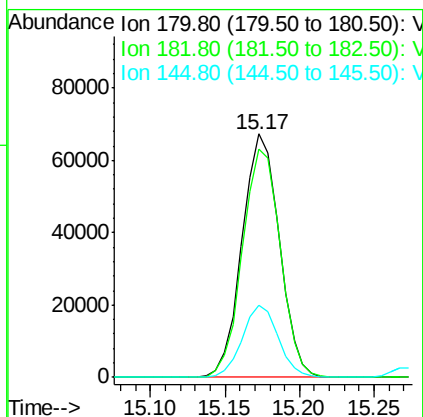
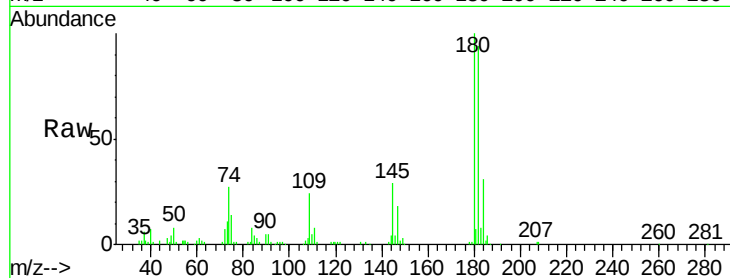




#93
 1,2,4-Trichlorobenzene
 Concen: 19.939 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

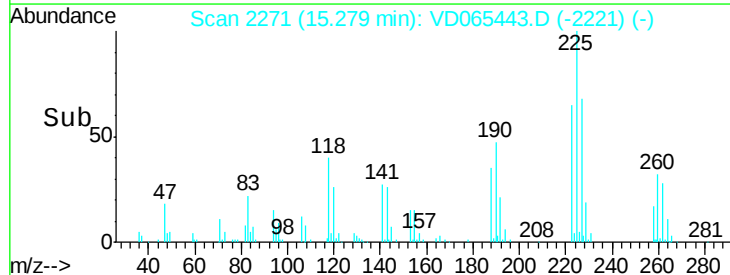
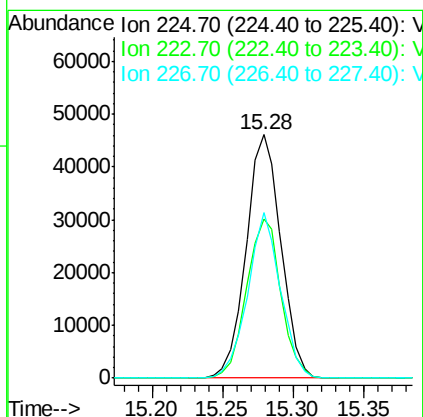
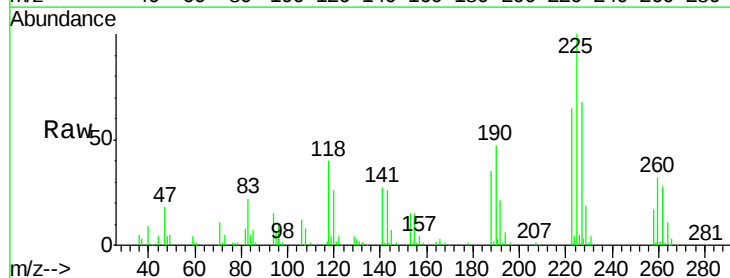
Instrument :
 MSVOA_D
 ClientSampleId :

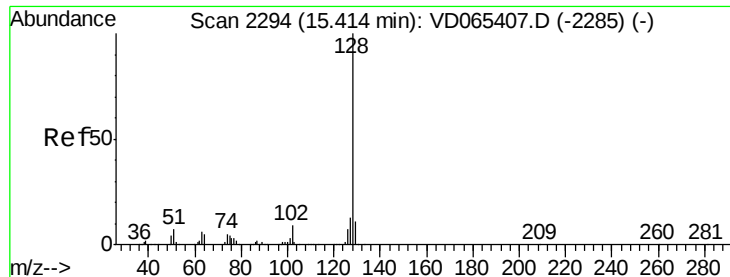
Tot Ion:180 Resp: 116269
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.3 144.9
 145 28.7 14.4 43.4



#94
 Hexachlorobutadiene
 Concen: 20.752 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065443.D
 Acq: 09 Mar 2020 11:59

Tgt Ion:225 Resp: 79512
 Ion Ratio Lower Upper
 225 100
 223 64.7 30.9 92.5
 227 64.2 31.6 94.7

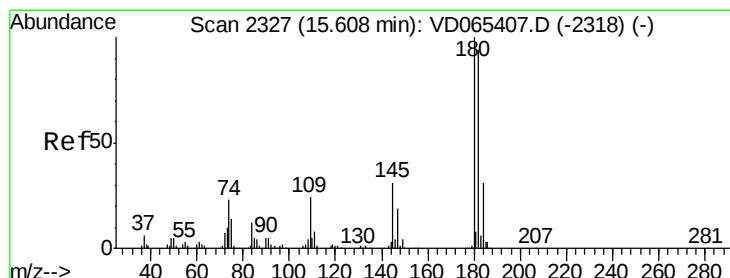
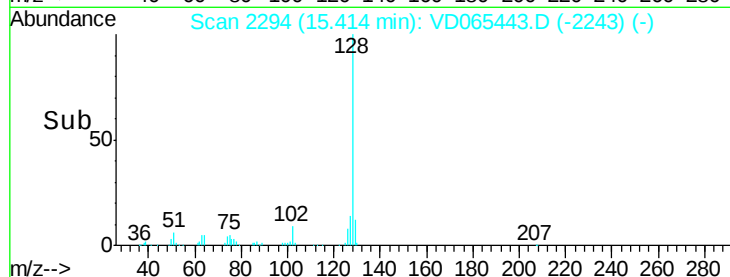
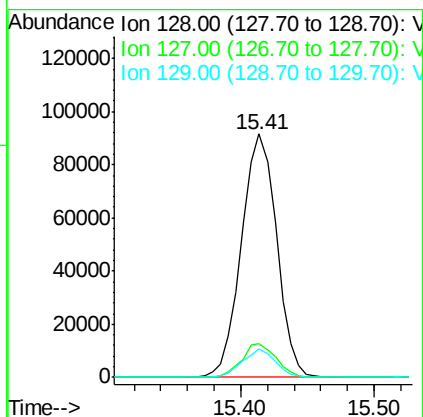
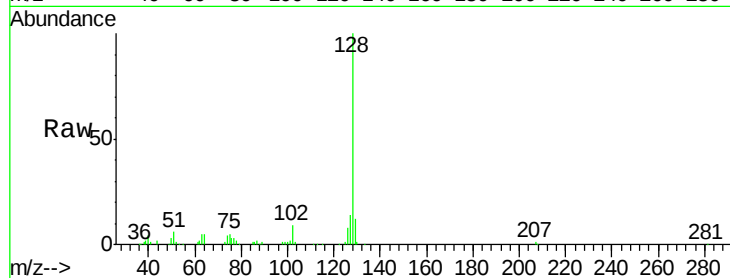




#95
Naphthalene
Concen: 19.096 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 167423
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.972 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065443.D
Acq: 09 Mar 2020 11:59

Tgt Ion:180 Resp: 100635
Ion Ratio Lower Upper
180 100
182 93.9 46.9 140.6
145 30.5 15.0 45.1

