

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065928.D
 Acq On : 07 Jul 2020 18:38
 Operator : VA/SY
 Sample : VD0707SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Quant Time: Jul 08 09:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	407023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	632254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292020	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	181660	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.92	113	189960	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.34	98	694356	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.63	95	247575	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79588	21.995	ug/l	93
3) Chloromethane	2.21	50	77391	21.575	ug/l	97
4) Vinyl Chloride	2.35	62	67182	20.398	ug/l	97
5) Bromomethane	2.76	94	41796	20.034	ug/l	97
6) Chloroethane	2.92	64	39302	19.962	ug/l	91
7) Trichlorofluoromethane	3.27	101	146719	20.785	ug/l	96
8) Diethyl Ether	3.71	74	42705	22.052	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84430	19.996	ug/l	99
10) Methyl Iodide	4.30	142	81190	19.851	ug/l	98
11) Tert butyl alcohol	5.21	59	33350	136.583	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	81785	20.733	ug/l	99
13) Acrolein	3.93	56	24869	123.247	ug/l	95
14) Allyl chloride	4.71	41	137816	20.616	ug/l	99
15) Acrylonitrile	5.42	53	92382	108.954	ug/l	99
16) Acetone	4.16	43	75603	89.432	ug/l	98
17) Carbon Disulfide	4.41	76	261711	20.822	ug/l	99
18) Methyl Acetate	4.73	43	40728	20.553	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	184293	22.068	ug/l	95
20) Methylene Chloride	4.96	84	123479	21.547	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	94071	21.196	ug/l	99
22) Diisopropyl ether	6.36	45	276816	22.035	ug/l	95
23) Vinyl Acetate	6.30	43	772327	107.707	ug/l	99
24) 1,1-Dichloroethane	6.27	63	156473	20.888	ug/l	99
25) 2-Butanone	7.21	43	113807	101.880	ug/l	95
26) 2,2-Dichloropropane	7.21	77	132210	20.175	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	101228	21.228	ug/l	99
28) Bromochloromethane	7.54	49	64089	22.648	ug/l	99
29) Tetrahydrofuran	7.56	42	76350	107.486	ug/l	99
30) Chloroform	7.71	83	159819	21.045	ug/l	99
31) Cyclohexane	7.98	56	151589	20.567	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	143259	20.671	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125873	20.158	ug/l	99
37) Ethyl Acetate	7.29	43	53033	20.269	ug/l	97
38) Carbon Tetrachloride	8.10	117	131255	19.611	ug/l	97

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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	152088	19.838	ug/l	97
40) Benzene	8.35	78	361891	20.978	ug/l	95
41) Methacrylonitrile	7.53	41	32123	21.147	ug/l	98
42) 1,2-Dichloroethane	8.43	62	98600	20.176	ug/l	97
43) Isopropyl Acetate	8.45	43	100332	20.602	ug/l	98
44) Trichloroethene	9.11	130	105754	20.864	ug/l	100
45) 1,2-Dichloropropane	9.38	63	91884	21.460	ug/l	98
46) Dibromomethane	9.48	93	46064	20.665	ug/l	98
47) Bromodichloromethane	9.66	83	124588	20.836	ug/l	94
48) Methyl methacrylate	9.46	41	52497	21.412	ug/l	97
49) 1,4-Dioxane	9.46	88	11136	420.440	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	260421	105.769	ug/l	100
52) Toluene	10.40	92	233308	21.258	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	116535	20.727	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	142564	20.985	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65182	21.223	ug/l	99
56) Ethyl methacrylate	10.66	69	80308	21.408	ug/l	99
57) 1,3-Dichloropropane	10.95	76	110275	20.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	198178	109.085	ug/l	100
59) 2-Hexanone	10.98	43	176582	104.282	ug/l	98
60) Dibromochloromethane	11.14	129	87088	20.754	ug/l	99
61) 1,2-Dibromoethane	11.25	107	62617	20.448	ug/l	98
64) Tetrachloroethene	10.88	164	88462	20.784	ug/l	95
65) Chlorobenzene	11.67	112	247319	20.969	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	91431	20.726	ug/l	100
67) Ethyl Benzene	11.75	91	432222	20.628	ug/l	100
68) m/p-Xylenes	11.86	106	332967	41.826	ug/l	99
69) o-Xylene	12.18	106	153192	21.125	ug/l	99
70) Styrene	12.20	104	266964	21.326	ug/l	99
71) Bromoform	12.36	173	51362	20.576	ug/l #	97
73) Isopropylbenzene	12.48	105	413008	20.265	ug/l	99
74) N-amyl acetate	12.29	43	94500	20.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	69811	20.633	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	90132	36.794	ug/l #	100
77) Bromobenzene	12.76	156	102187	20.673	ug/l	98
78) n-propylbenzene	12.83	91	491090	20.553	ug/l	100
79) 2-Chlorotoluene	12.91	91	275497	20.324	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	343127	20.584	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22351	19.605	ug/l	97
82) 4-Chlorotoluene	13.01	91	293022	20.604	ug/l	99
83) tert-Butylbenzene	13.23	119	292816	20.618	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	341741	20.595	ug/l	100
85) sec-Butylbenzene	13.40	105	407288	20.236	ug/l	100
86) p-Isopropyltoluene	13.52	119	378522	20.562	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	192908	20.856	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	189065	20.489	ug/l	99
89) n-Butylbenzene	13.84	91	349468	20.215	ug/l	99
90) Hexachloroethane	14.11	117	74016	19.938	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	166005	20.534	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11196	19.789	ug/l	96

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Instrument :
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Quant Time: Jul 08 09:49:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:45:47 2020
Response via : Initial Calibration

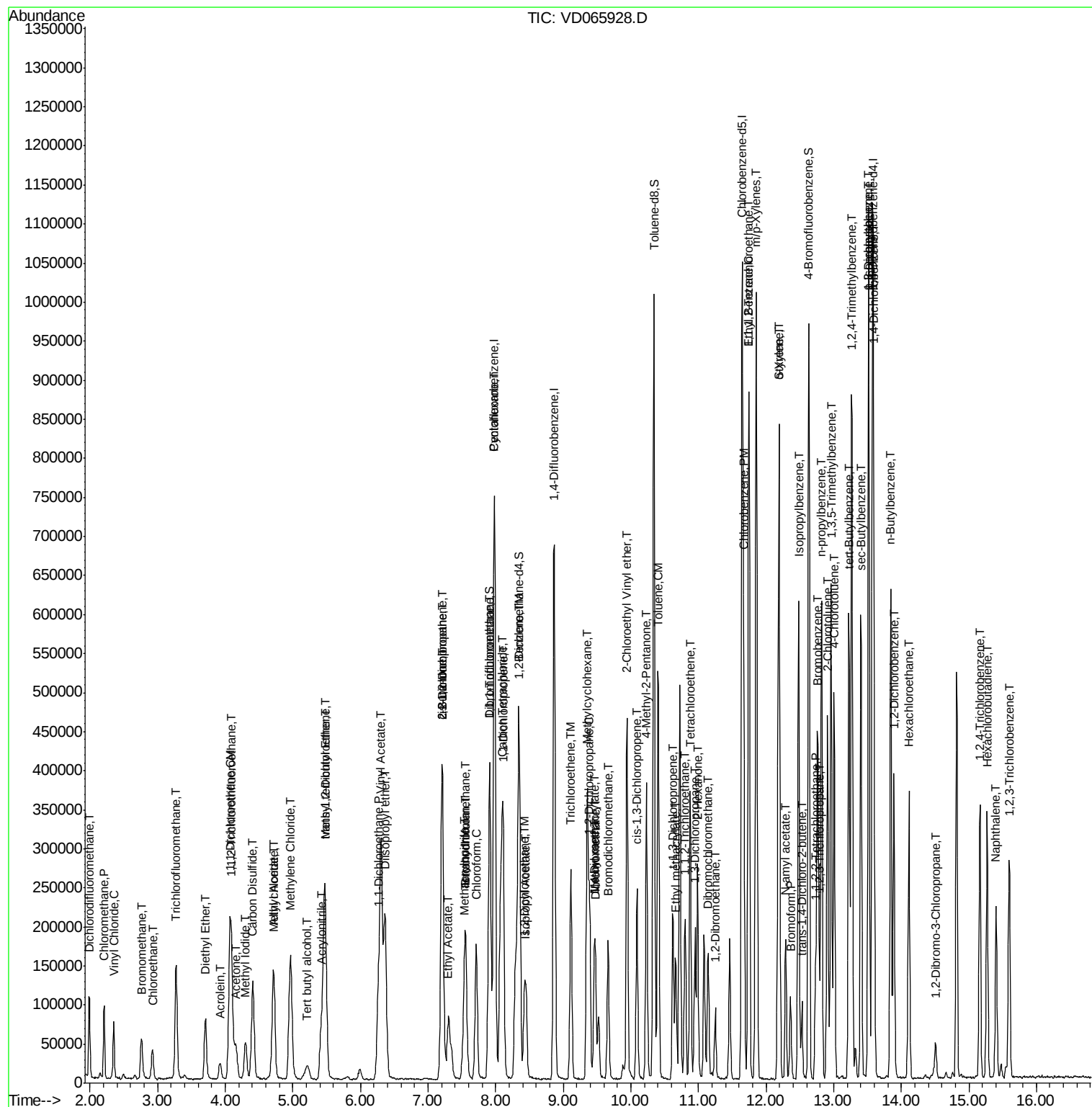
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119082	20.668	ug/l	97
94) Hexachlorobutadiene	15.27	225	68981	19.792	ug/l	99
95) Naphthalene	15.40	128	194122	20.089	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	104480	21.023	ug/l	98

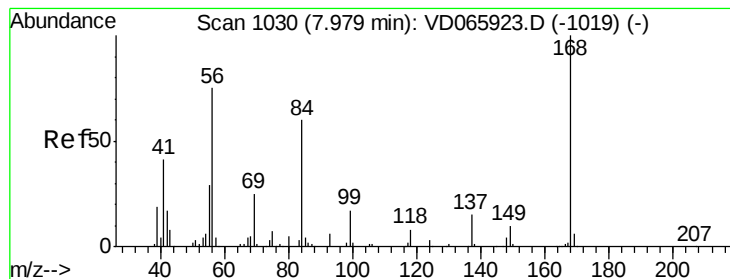
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065928.D
 Acq On : 07 Jul 2020 18:38
 Operator : VA/SY
 Sample : VD0707SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

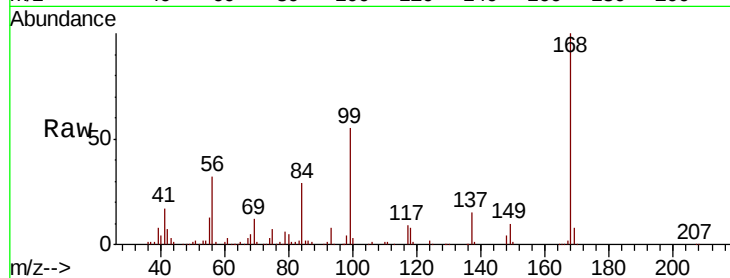
VD0707SBS01

Tot Ion:168 Resp: 407023

Ion Ratio Lower Upper

168 100

99 54.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

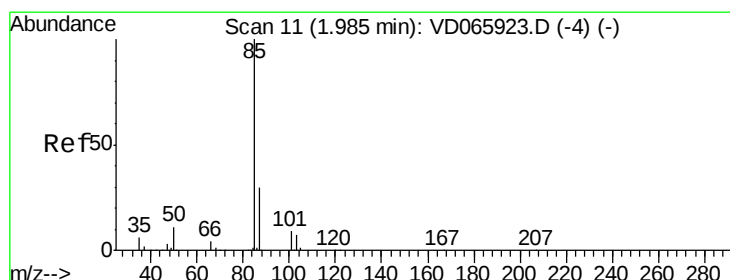
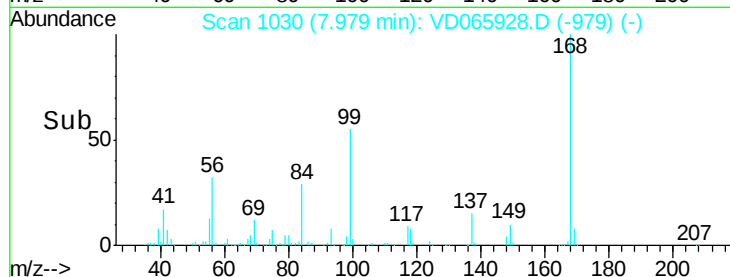
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.995 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065928.D

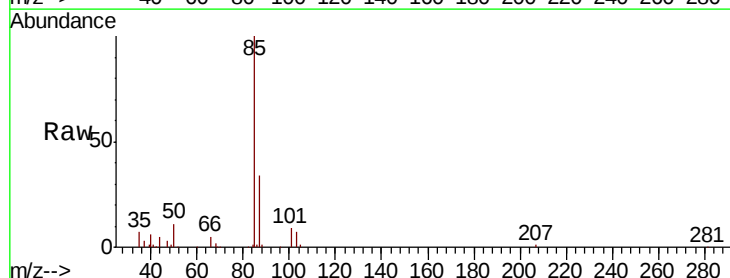
Acq: 07 Jul 2020 18:38

Tgt Ion: 85 Resp: 79588

Ion Ratio Lower Upper

85 100

87 33.9 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

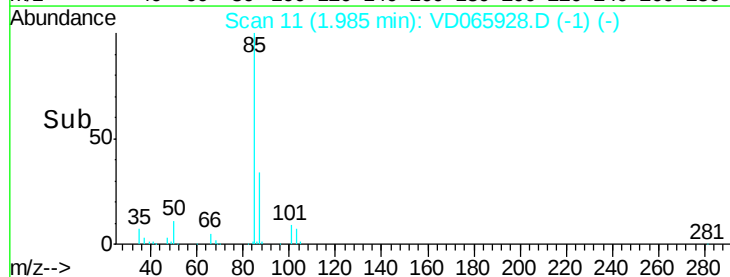
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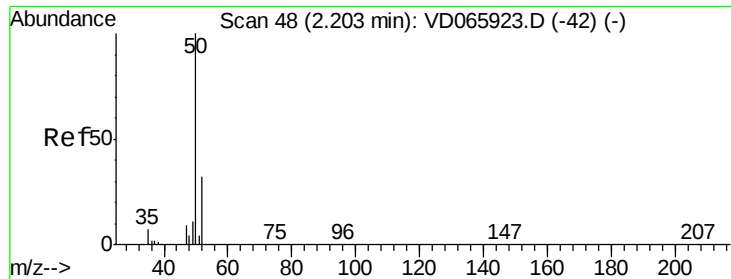
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.575 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

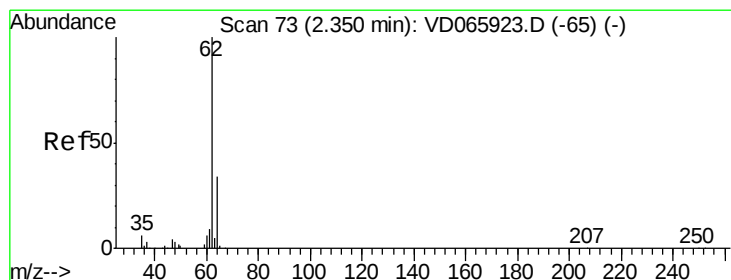
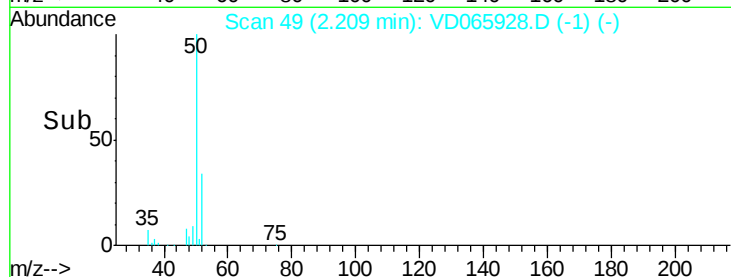
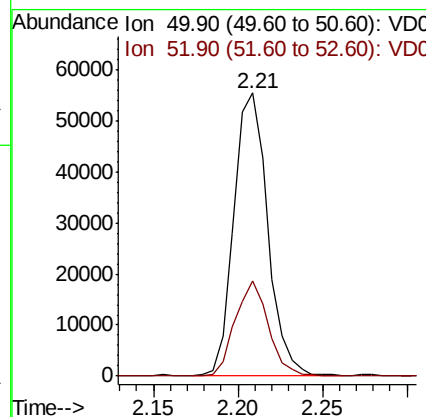
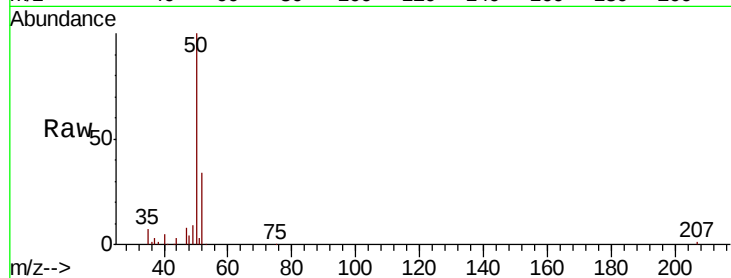
VD0707SBS01

Tot Ion: 50 Resp: 77391

Ion Ratio Lower Upper

50 100

52 33.8 25.6 38.4



#4

Vinyl Chloride

Concen: 20.398 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065928.D

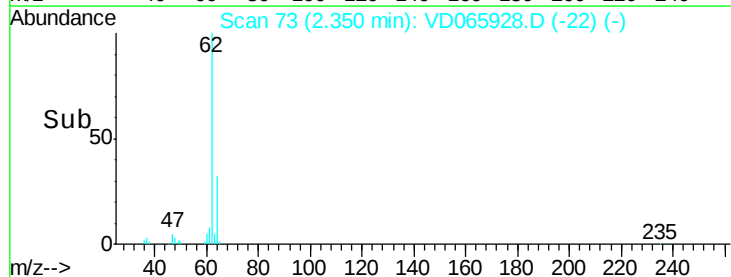
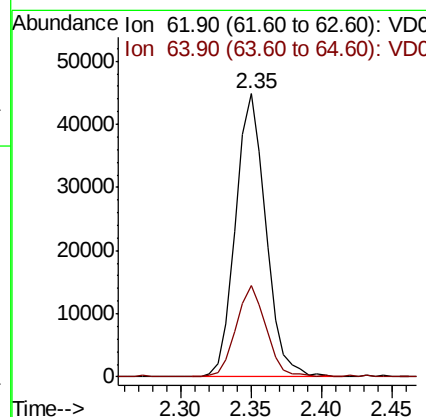
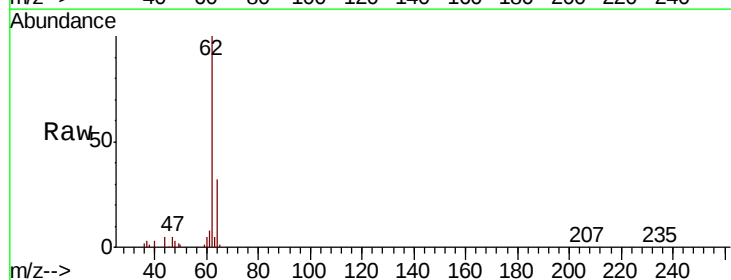
Acq: 07 Jul 2020 18:38

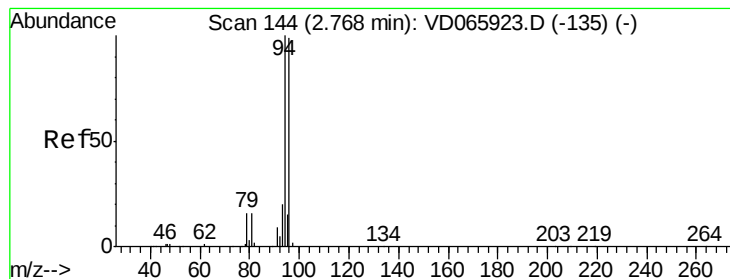
Tgt Ion: 62 Resp: 67182

Ion Ratio Lower Upper

62 100

64 32.3 27.2 40.8





#5

Bromomethane

Concen: 20.034 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

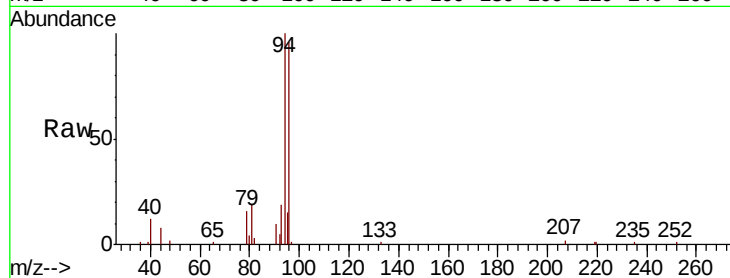
VD0707SBS01

Tot Ion: 94 Resp: 41796

Ion Ratio Lower Upper

94 100

96 95.6 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

20000

15000

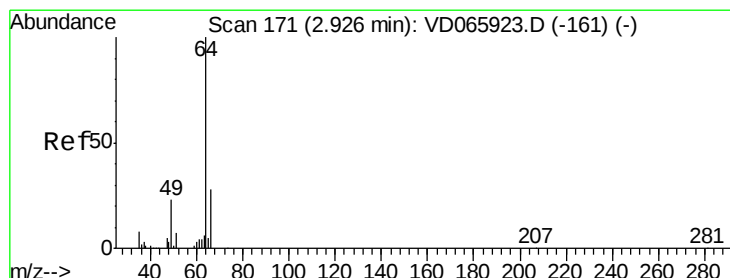
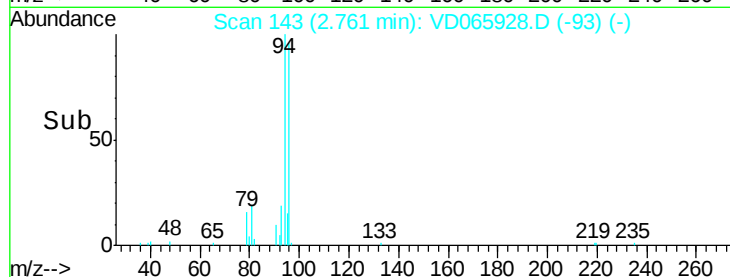
10000

5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.962 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065928.D

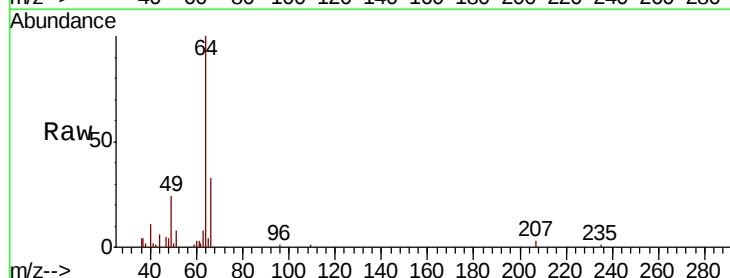
Acq: 07 Jul 2020 18:38

Tgt Ion: 64 Resp: 39302

Ion Ratio Lower Upper

64 100

66 32.7 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

20000

15000

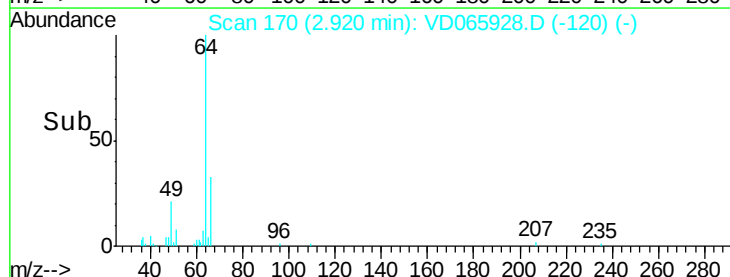
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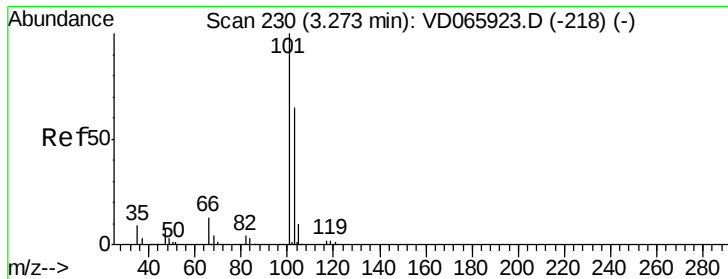
5000

0

Time-->

2.85 2.90 2.95 3.00



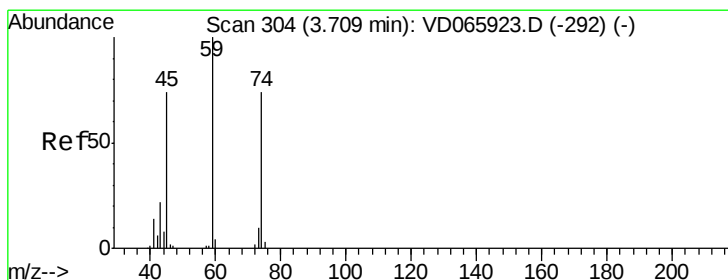
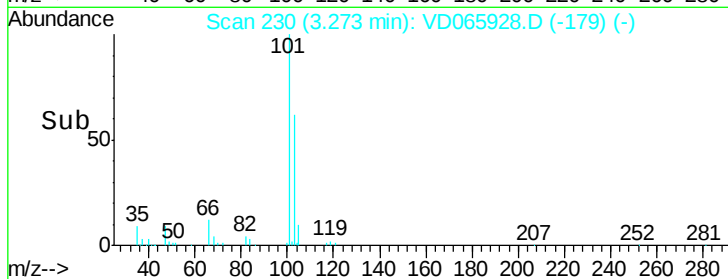
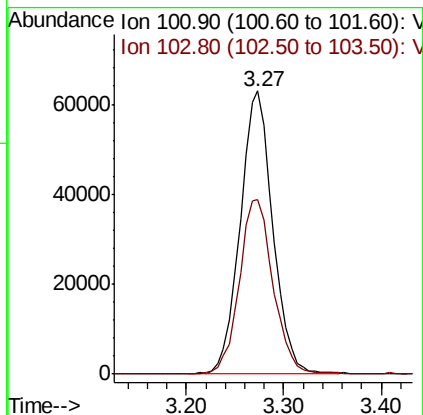
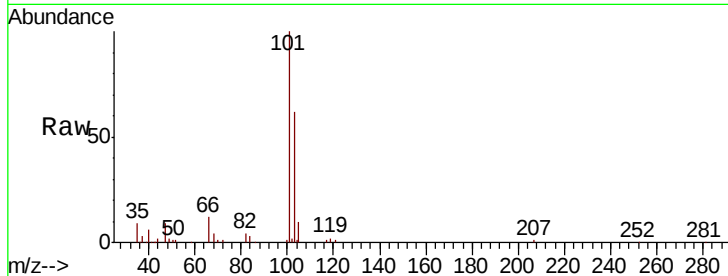


#7

Trichlorofluoromethane
 Concen: 20.785 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

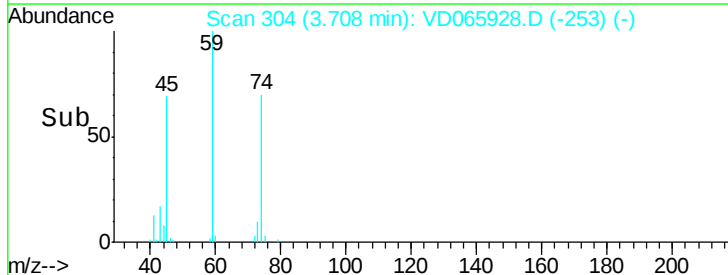
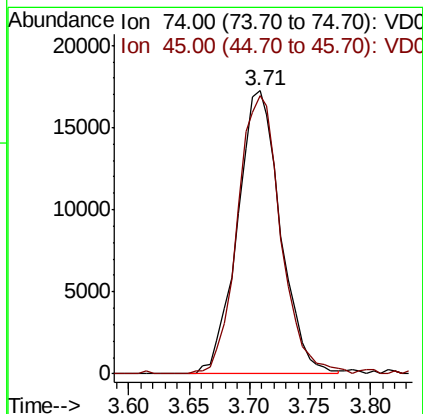
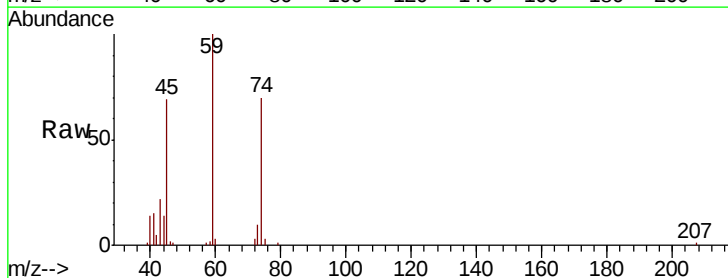
Tot Ion:101 Resp: 146719
 Ion Ratio Lower Upper
 101 100
 103 61.6 51.7 77.5

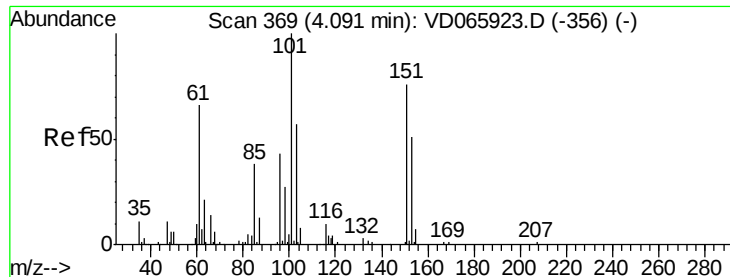


#8

Diethyl Ether
 Concen: 22.052 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Tgt Ion: 74 Resp: 42705
 Ion Ratio Lower Upper
 74 100
 45 98.9 51.1 153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.996 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

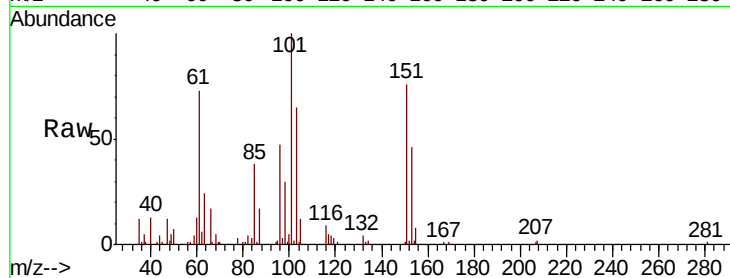
Tot Ion:101 Resp: 84430

Ion Ratio Lower Upper

101 100

85 43.2 33.8 50.8

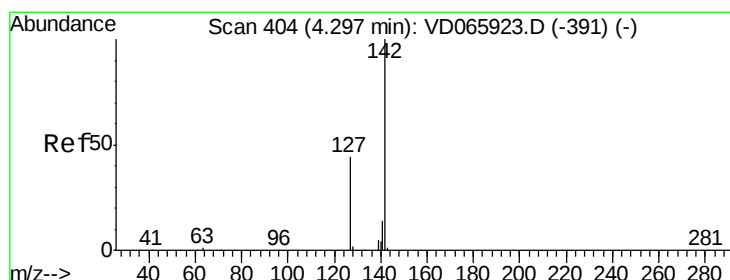
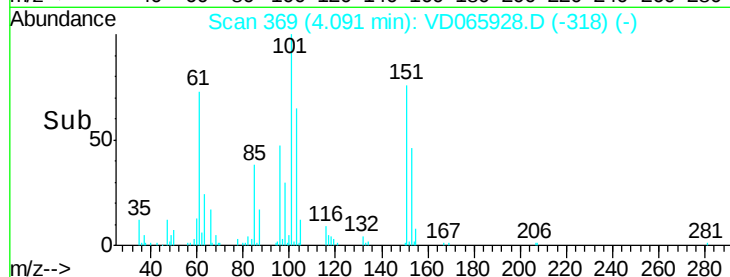
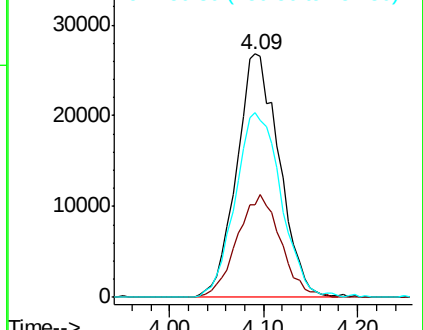
151 81.2 64.1 96.1



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: 19.851 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

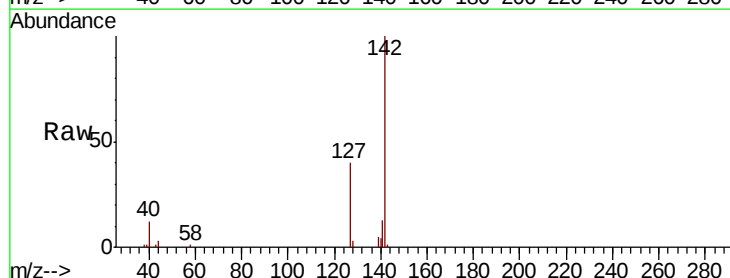
Tgt Ion:142 Resp: 81190

Ion Ratio Lower Upper

142 100

127 41.8 34.6 51.8

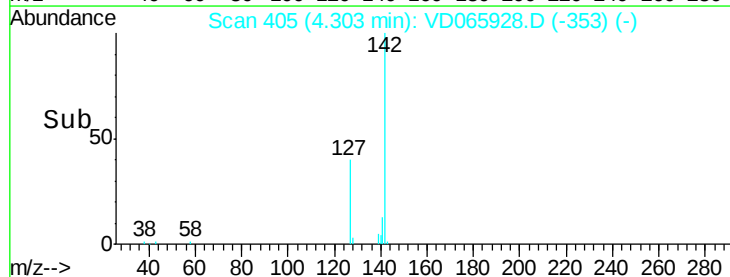
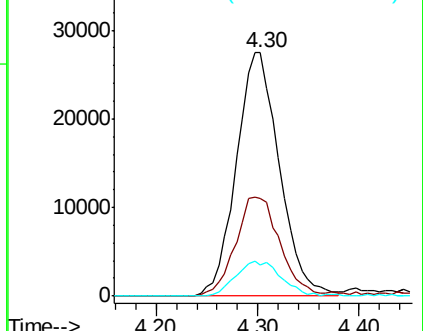
141 15.0 11.6 17.4

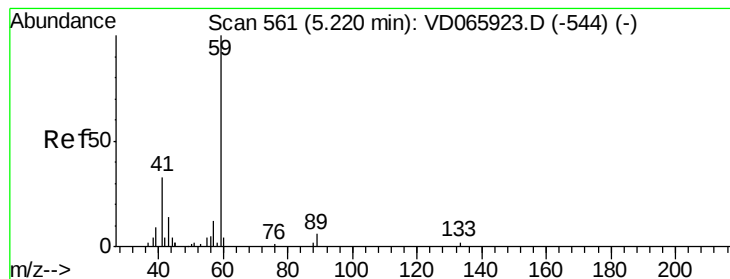


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 136.583 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

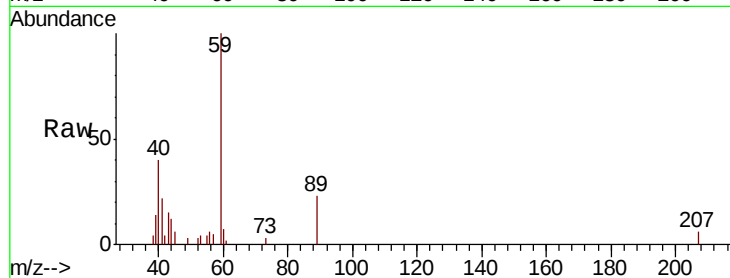
VD0707SBS01

Tot Ion: 59 Resp: 33350

Ion Ratio Lower Upper

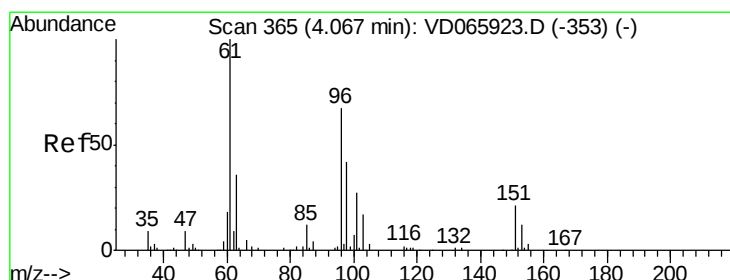
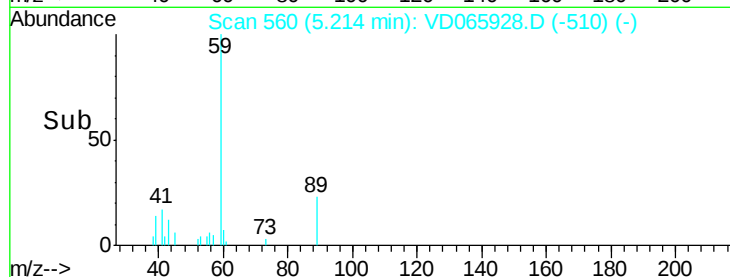
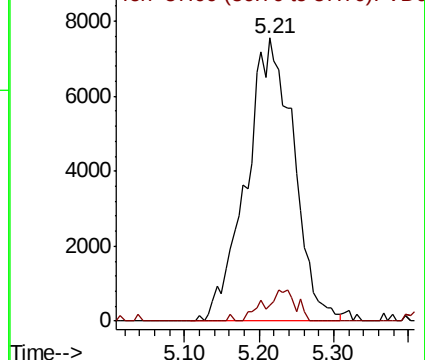
59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.733 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

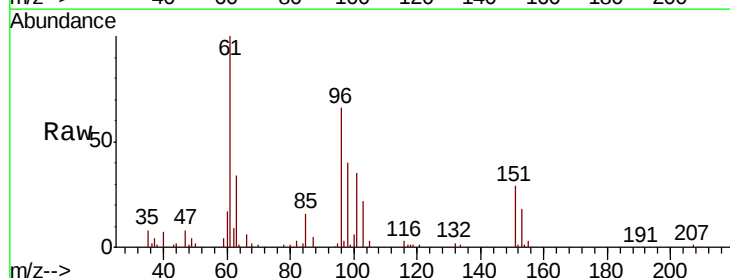
Tgt Ion: 96 Resp: 81785

Ion Ratio Lower Upper

96 100

61 151.4 120.2 180.2

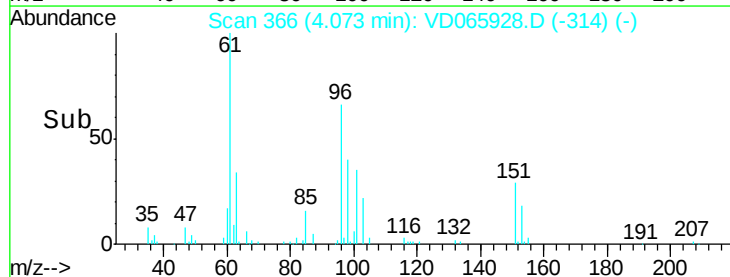
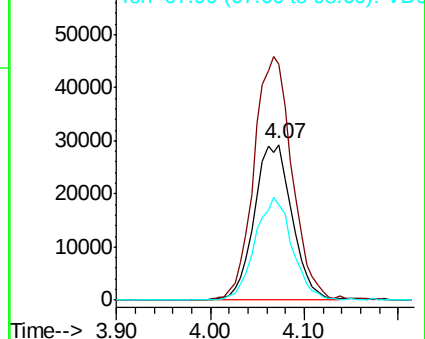
98 61.3 50.6 76.0

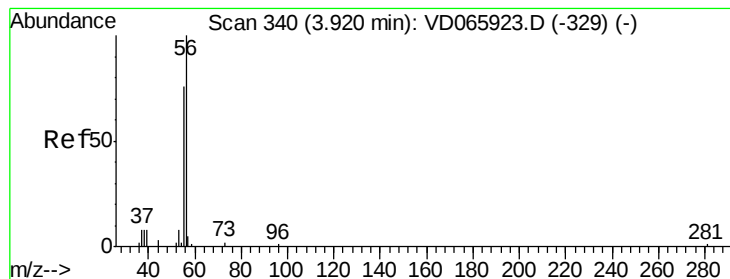


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 123.247 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

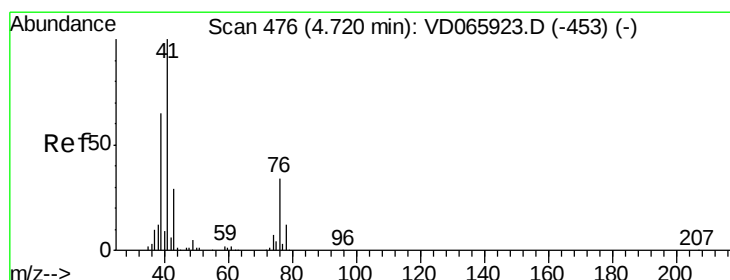
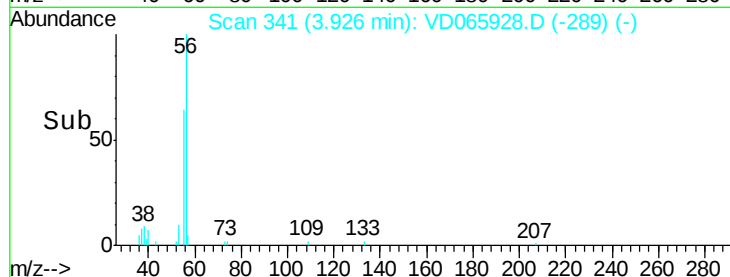
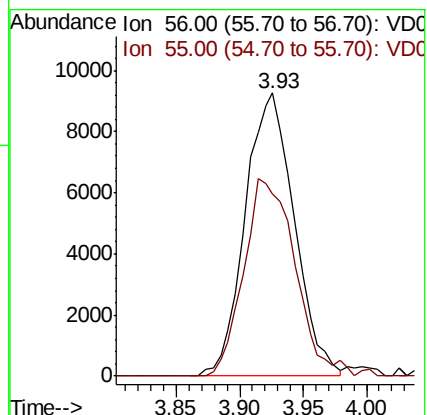
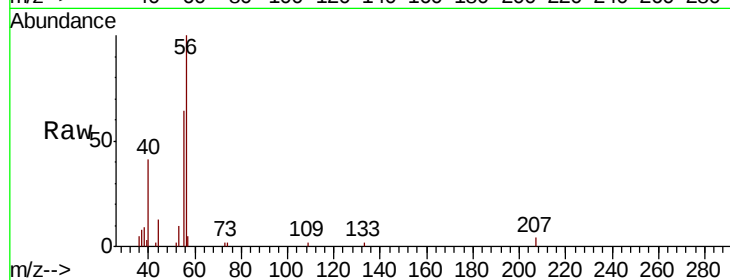
VD0707SBS01

Tot Ion: 56 Resp: 24869

Ion Ratio Lower Upper

56 100

55 72.9 55.0 82.6



#14

Allyl chloride

Concen: 20.616 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

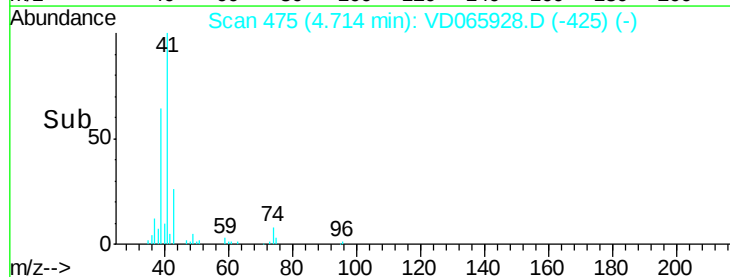
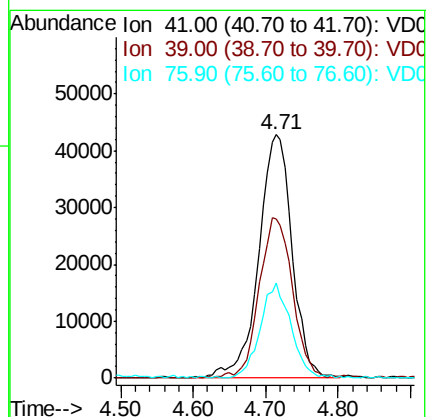
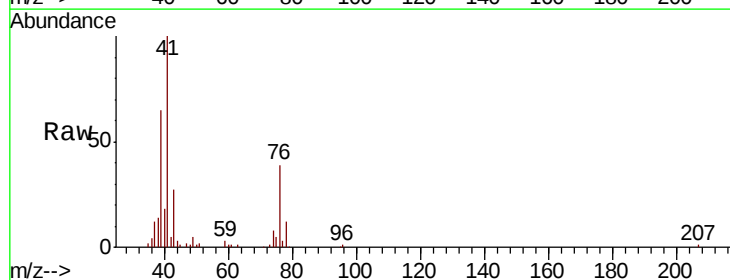
Tgt Ion: 41 Resp: 137816

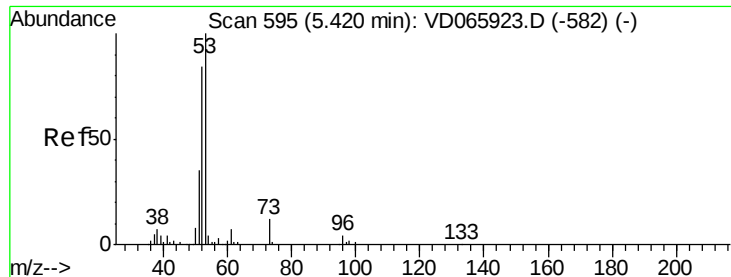
Ion Ratio Lower Upper

41 100

39 65.7 52.2 78.4

76 35.7 28.1 42.1





#15

Acrylonitrile

Concen: 108.954 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

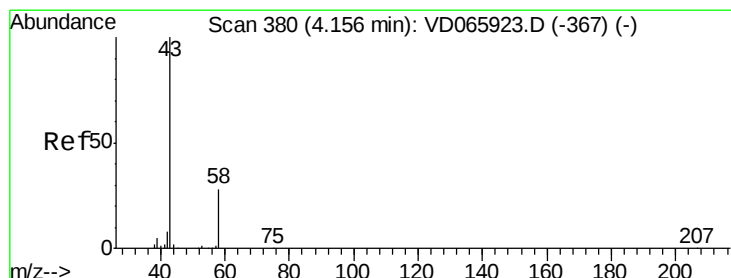
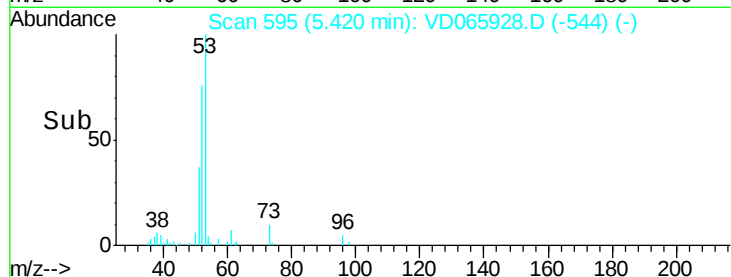
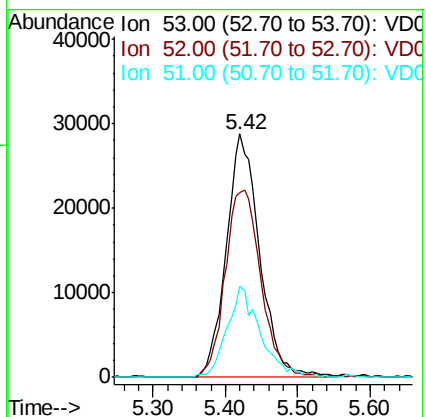
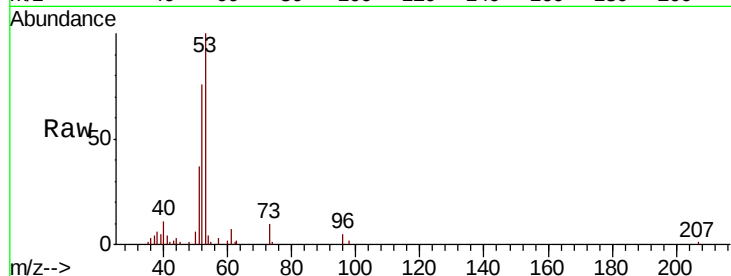
Tot Ion: 53 Resp: 92382

Ion Ratio Lower Upper

53 100

52 81.6 66.3 99.5

51 37.1 29.8 44.8



#16

Acetone

Concen: 89.432 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065928.D

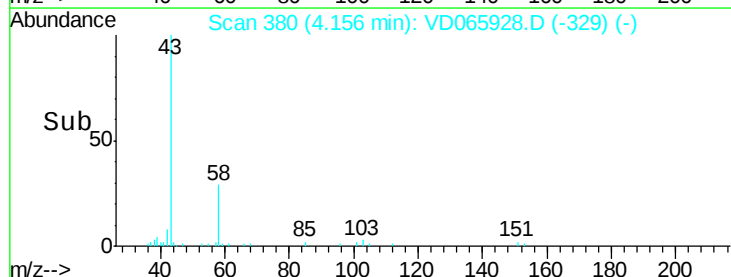
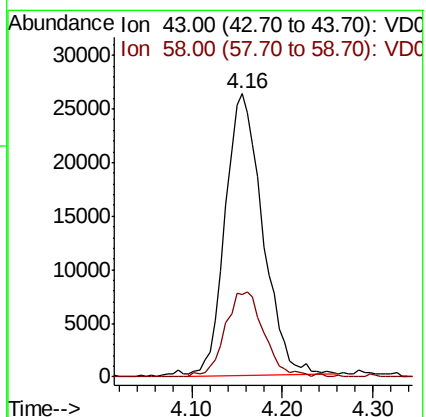
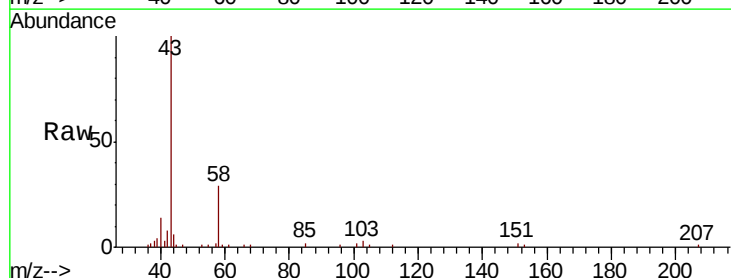
Acq: 07 Jul 2020 18:38

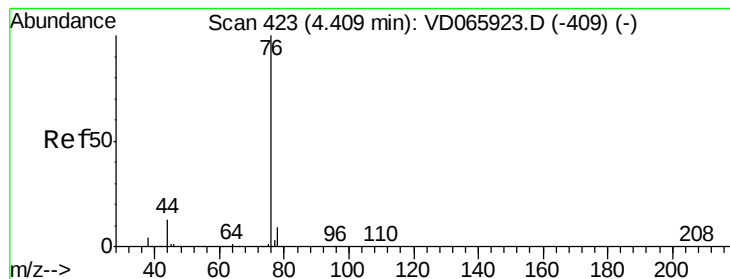
Tgt Ion: 43 Resp: 75603

Ion Ratio Lower Upper

43 100

58 29.4 22.7 34.1





#17

Carbon Disulfide

Concen: 20.822 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

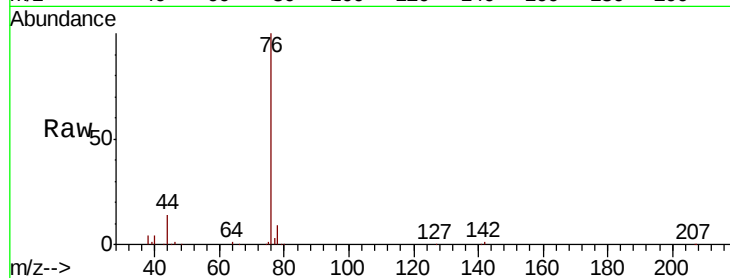
VD0707SBS01

Tot Ion: 76 Resp: 261711

Ion Ratio Lower Upper

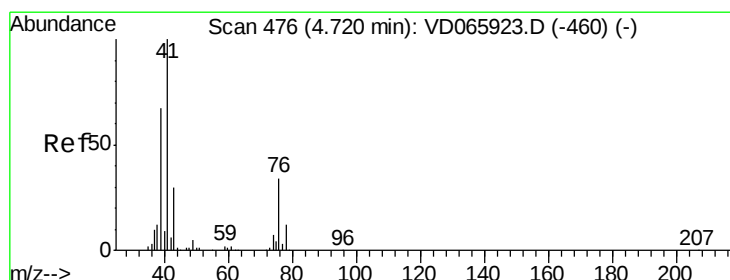
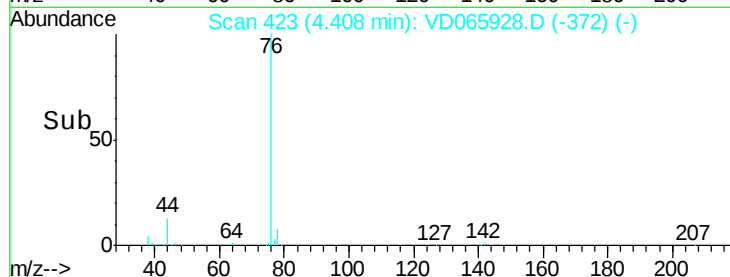
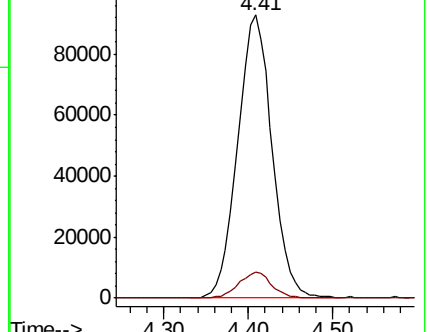
76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.553 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065928.D

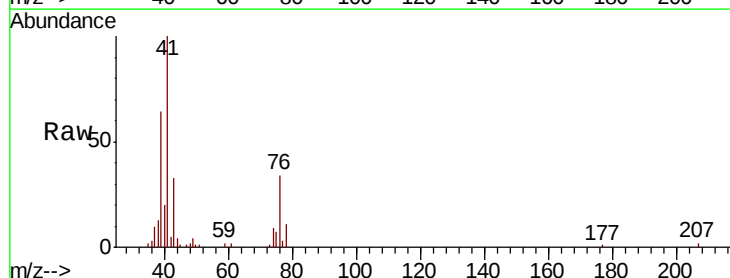
Acq: 07 Jul 2020 18:38

Tgt Ion: 43 Resp: 40728

Ion Ratio Lower Upper

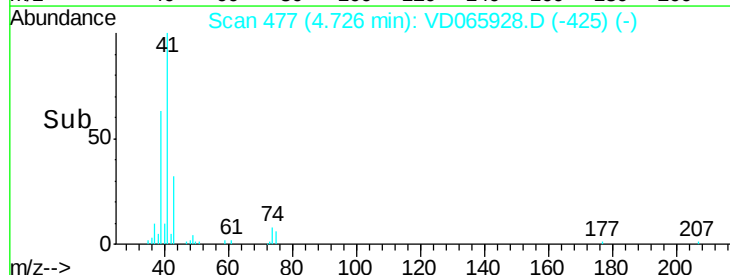
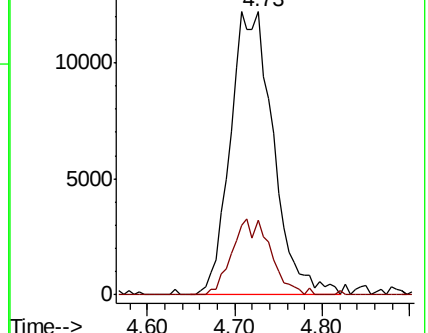
43 100

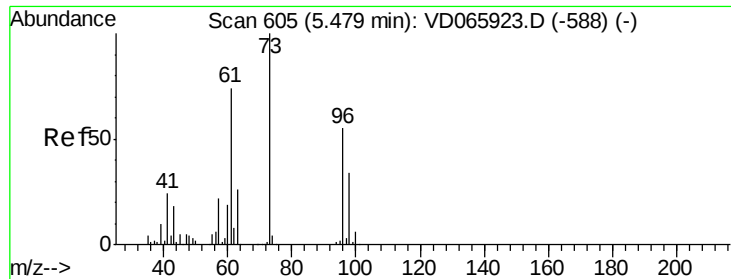
74 23.8 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

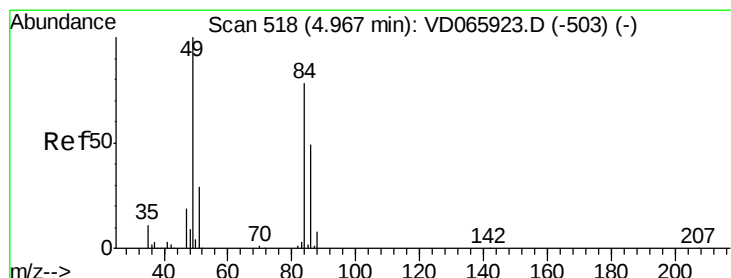
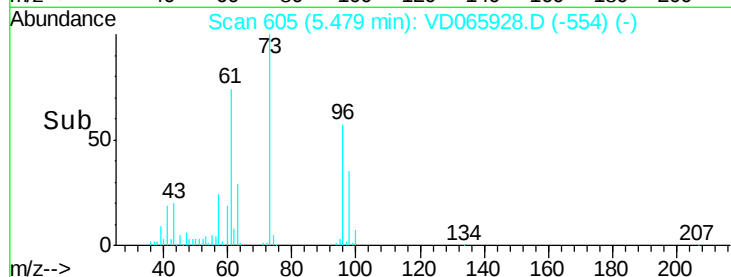
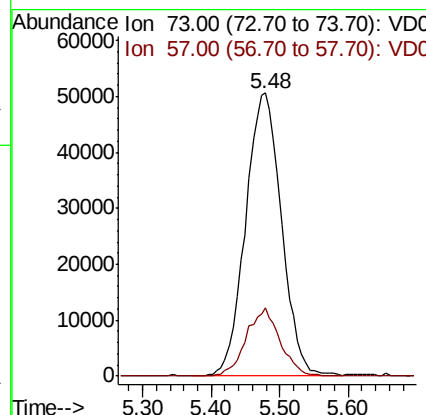
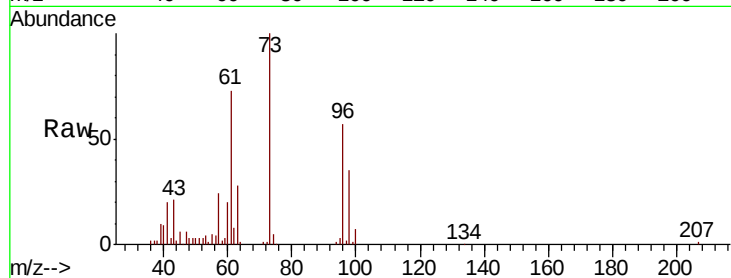




#19
Methyl tert-butyl Ether
Concen: 22.068 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

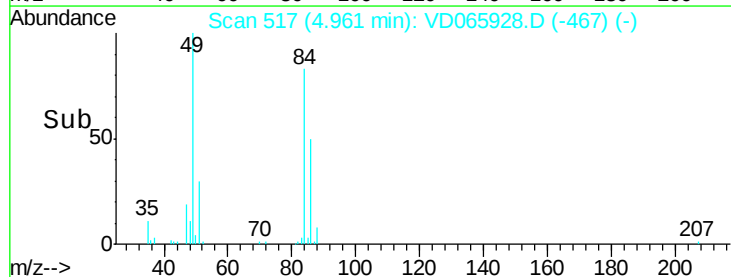
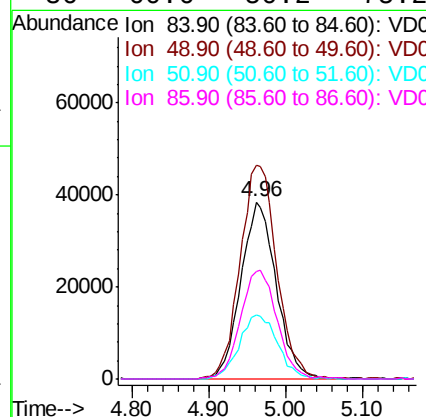
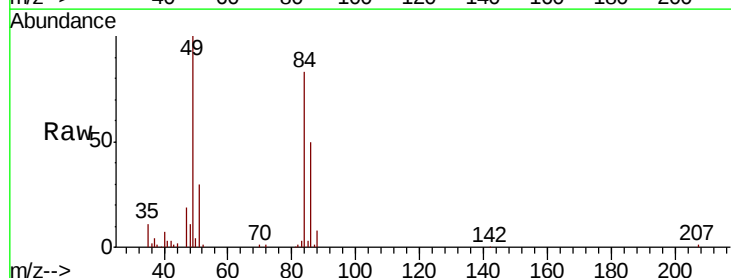
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

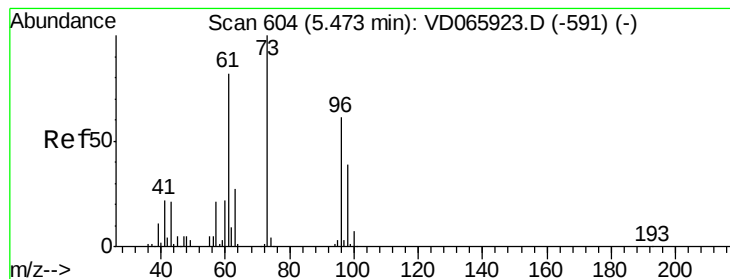
Tot Ion: 73 Resp: 184293
Ion Ratio Lower Upper
73 100
57 24.3 17.7 26.5



#20
Methylene Chloride
Concen: 21.547 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 84 Resp: 123479
Ion Ratio Lower Upper
84 100
49 120.9 102.2 153.2
51 36.4 29.8 44.6
86 60.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.196 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

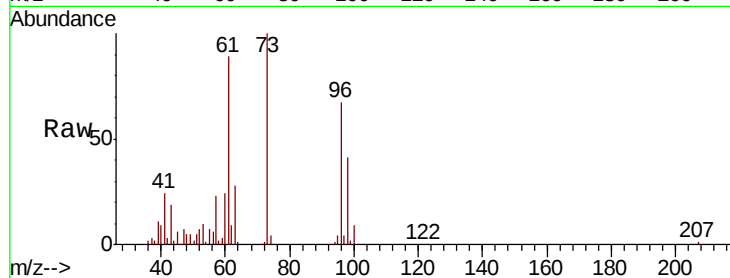
Tot Ion: 96 Resp: 94071

Ion Ratio Lower Upper

96 100

61 133.3 106.6 160.0

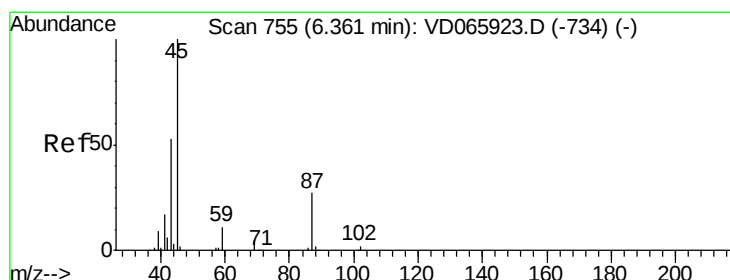
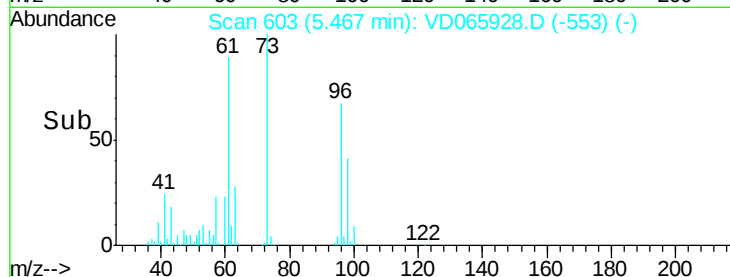
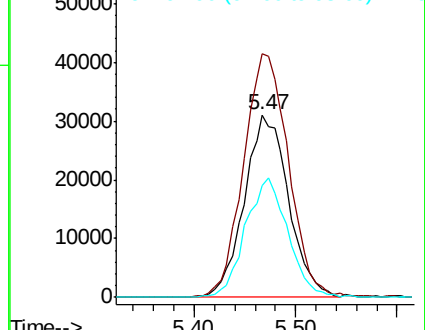
98 61.4 51.0 76.6



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



#22

Diisopropyl ether

Concen: 22.035 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Tgt Ion: 45 Resp: 276816

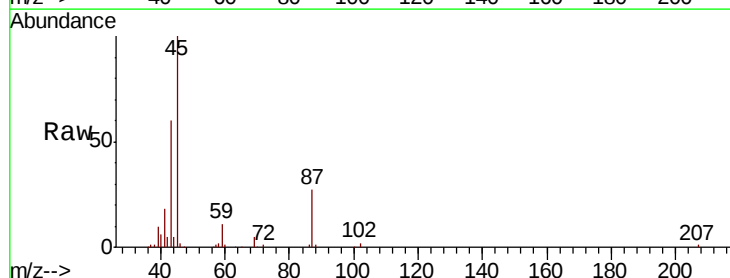
Ion Ratio Lower Upper

45 100

43 58.6 42.5 63.7

87 26.9 22.2 33.2

59 11.5 8.9 13.3

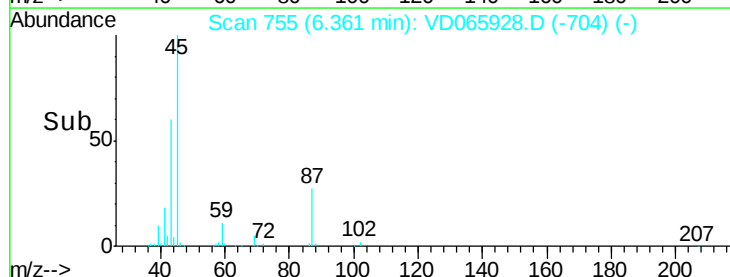
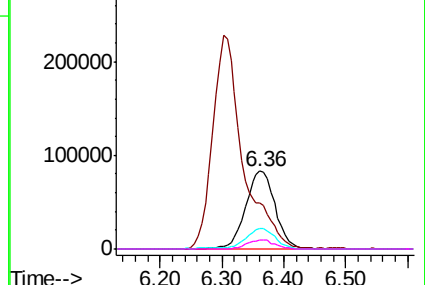


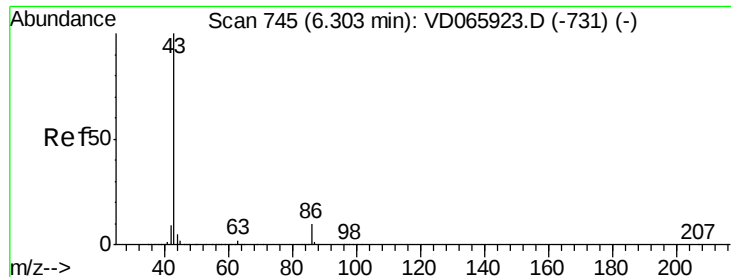
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 107.707 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

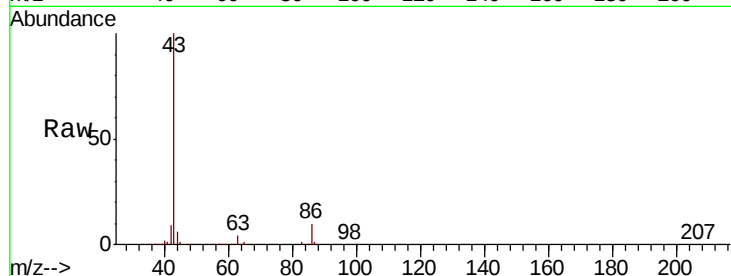
VD0707SBS01

Tot Ion: 43 Resp: 772327

Ion Ratio Lower Upper

43 100

86 9.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

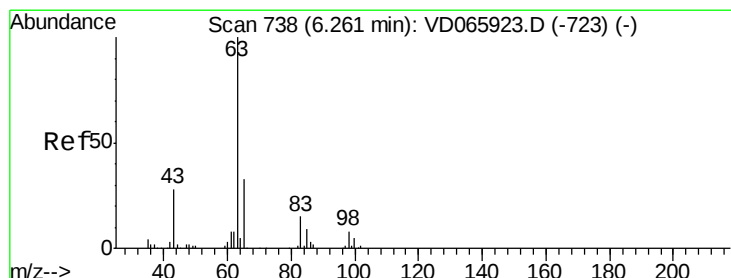
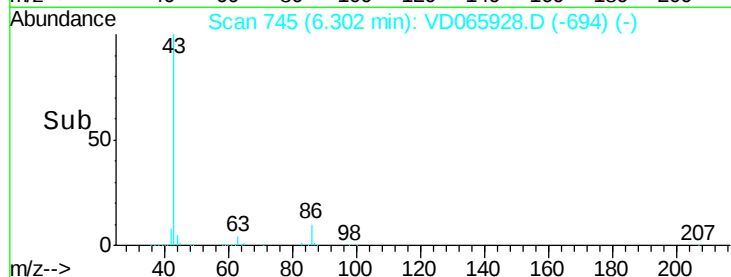
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.888 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

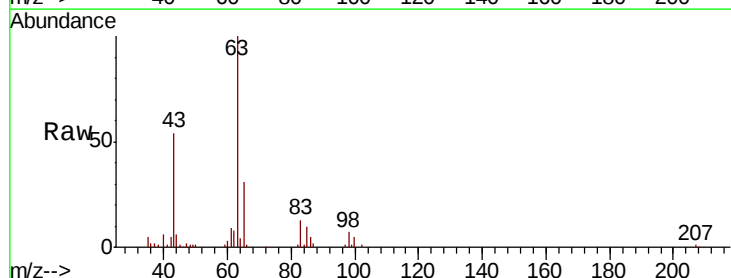
Tgt Ion: 63 Resp: 156473

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

100 5.0 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

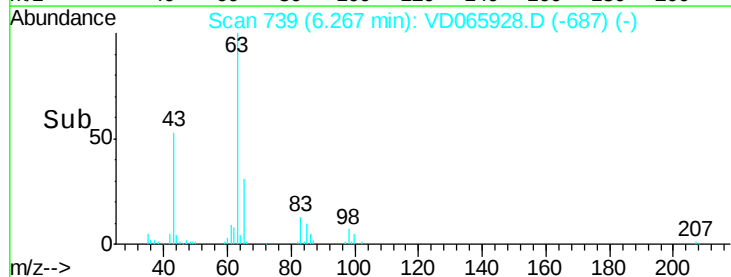
60000

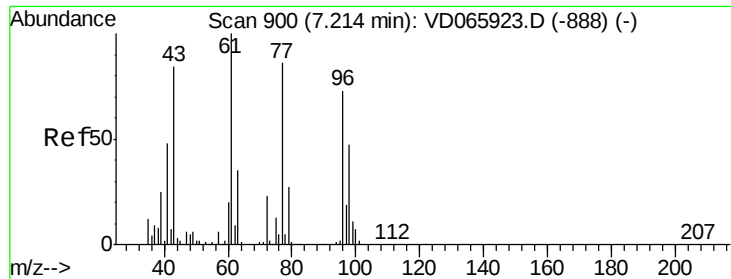
40000

20000

0

Time--> 6.10 6.20 6.30 6.40

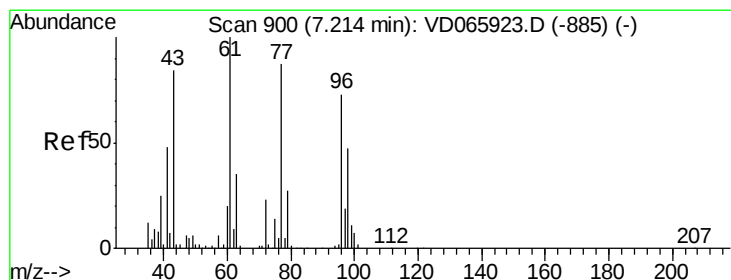
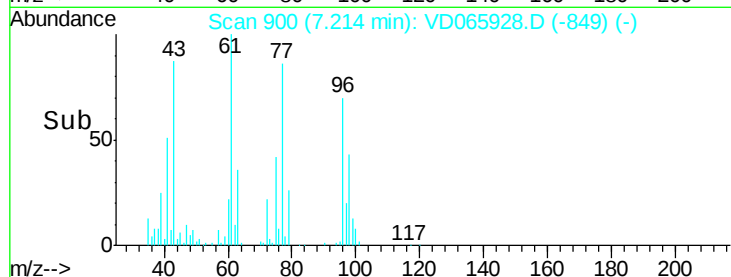
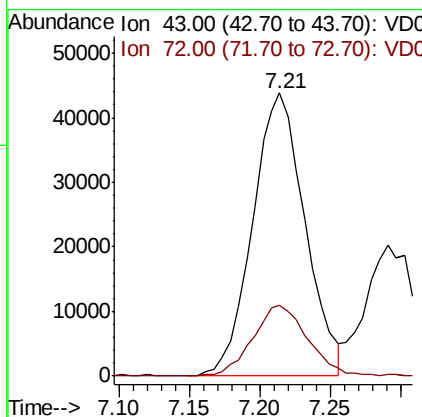
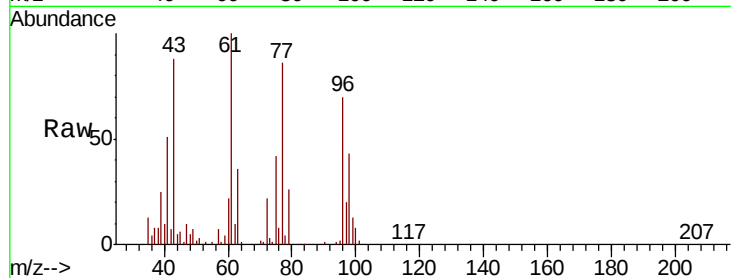




#25
2-Butanone
Concen: 101.880 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

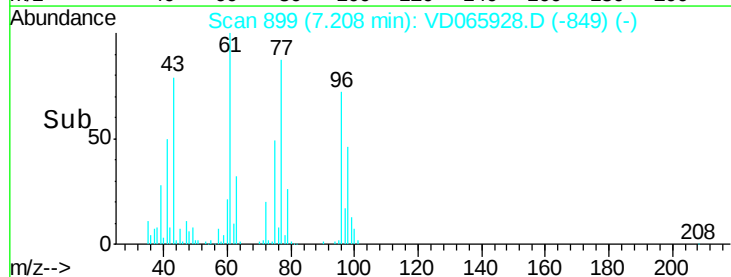
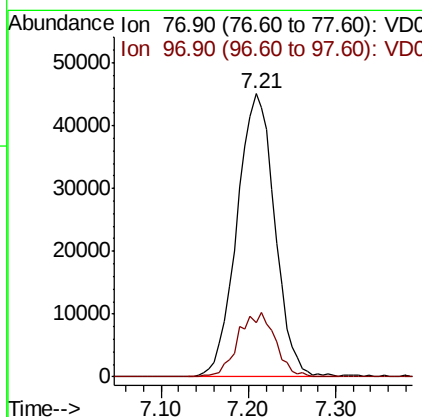
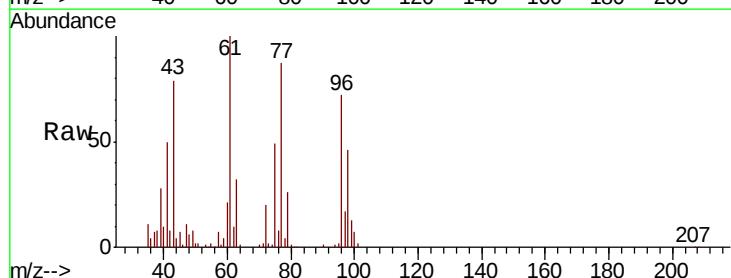
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

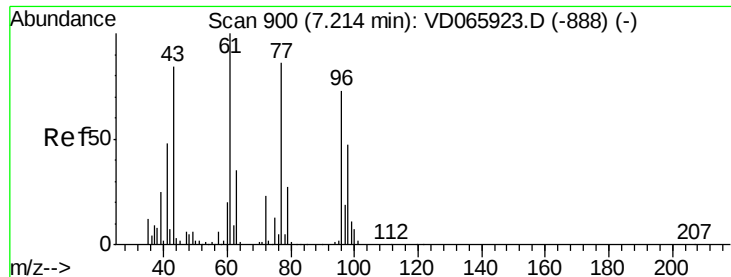
Tot Ion: 43 Resp: 113807
Ion Ratio Lower Upper
43 100
72 25.1 22.1 33.1



#26
2,2-Dichloropropane
Concen: 20.175 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 77 Resp: 132210
Ion Ratio Lower Upper
77 100
97 22.2 11.6 34.8



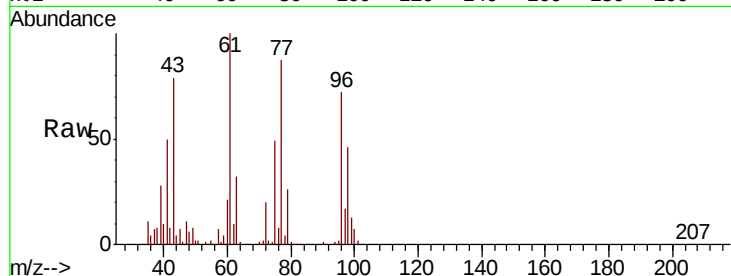


#27

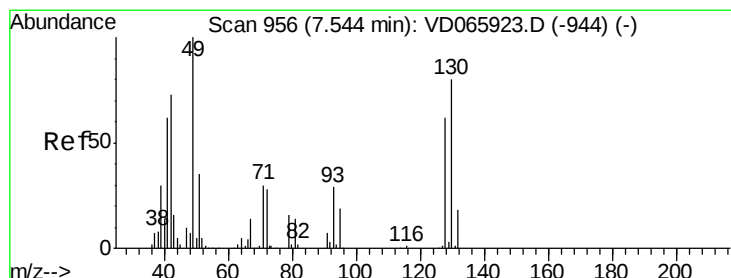
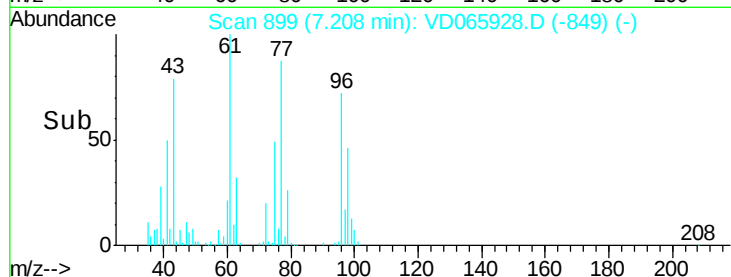
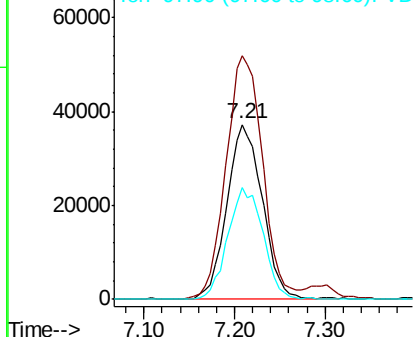
cis-1,2-Dichloroethene
 Concen: 21.228 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

Tot Ion	96	Resp	101228
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	286.6
98	63.5	0.0	128.2



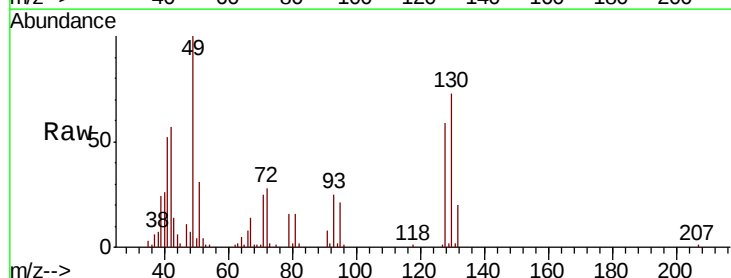
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



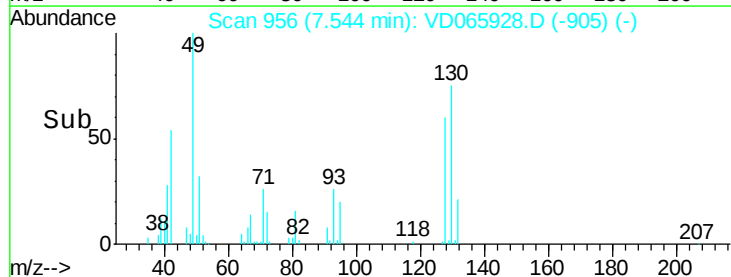
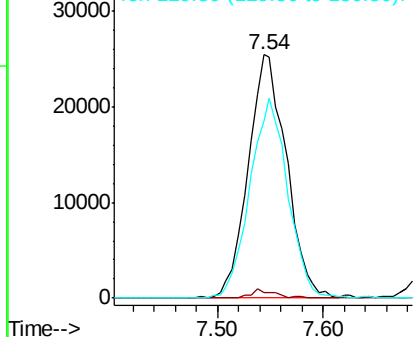
#28

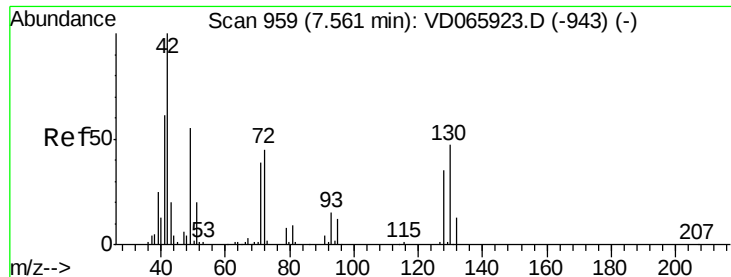
Bromochloromethane
 Concen: 22.648 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Tgt Ion	49	Resp	64089
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	81.1	65.8	98.8



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

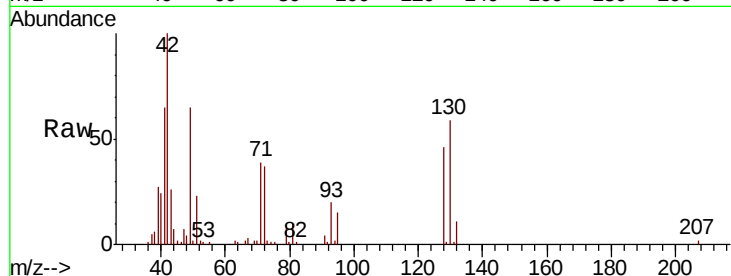




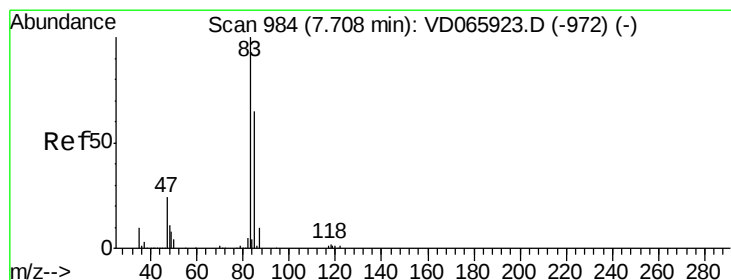
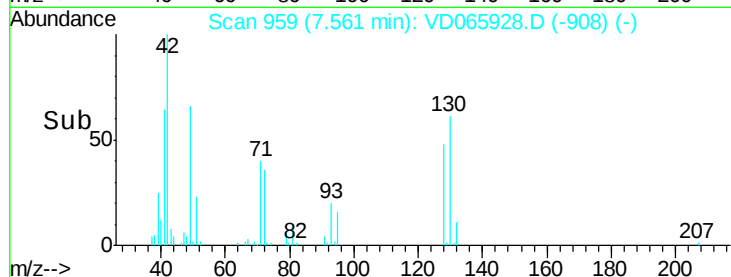
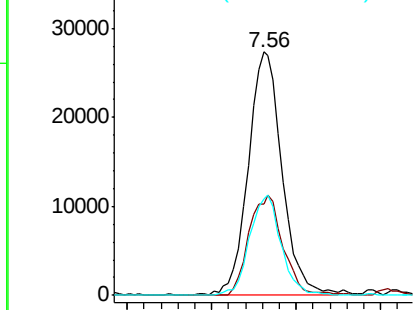
#29
Tetrahydrofuran
Concen: 107.486 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion: 42 Resp: 76350
Ion Ratio Lower Upper
42 100
72 40.5 32.8 49.2
71 38.4 31.0 46.4

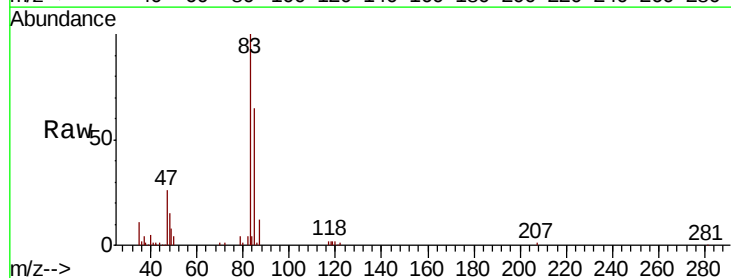


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

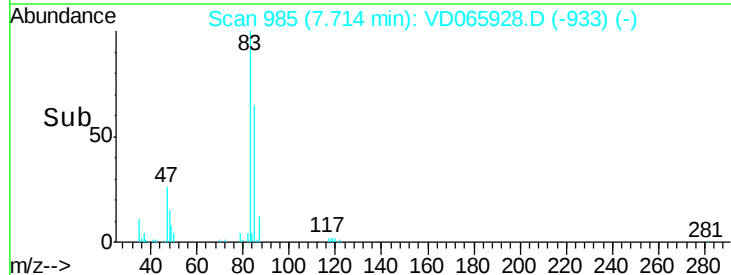
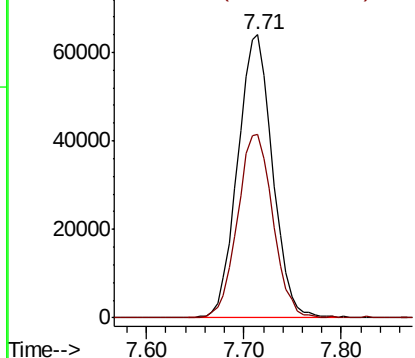


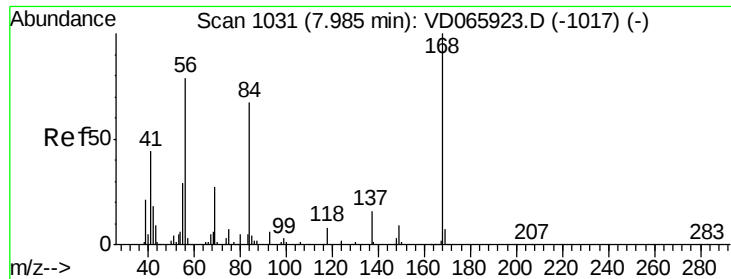
#30
Chloroform
Concen: 21.045 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 83 Resp: 159819
Ion Ratio Lower Upper
83 100
85 65.0 51.6 77.4



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

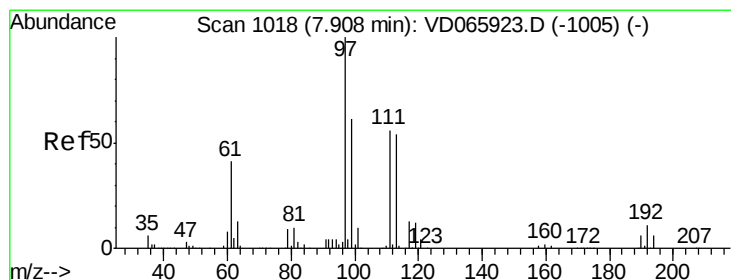
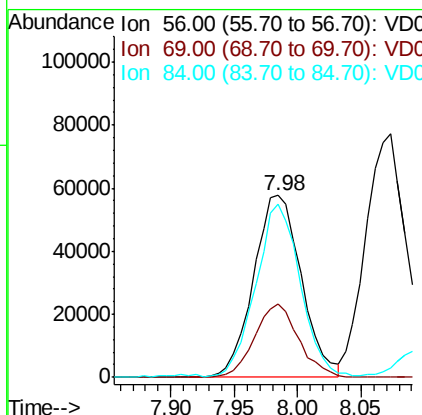
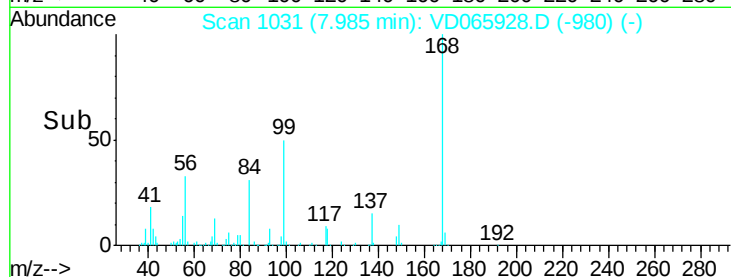
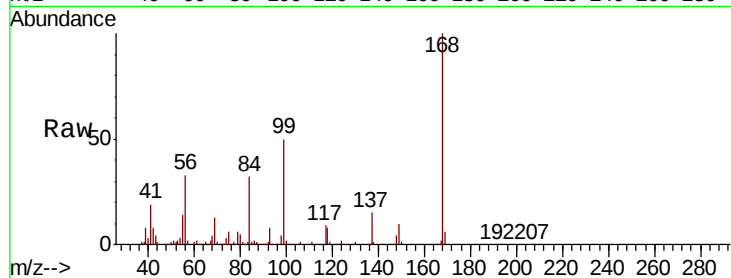




#31
Cyclohexane
Concen: 20.567 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

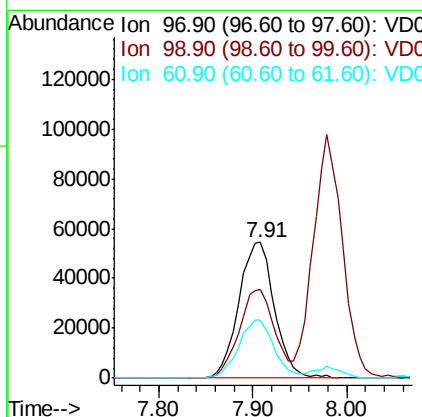
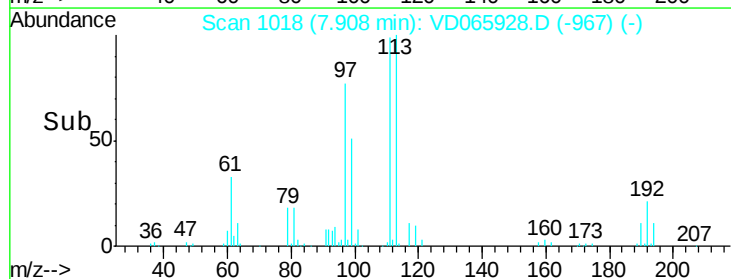
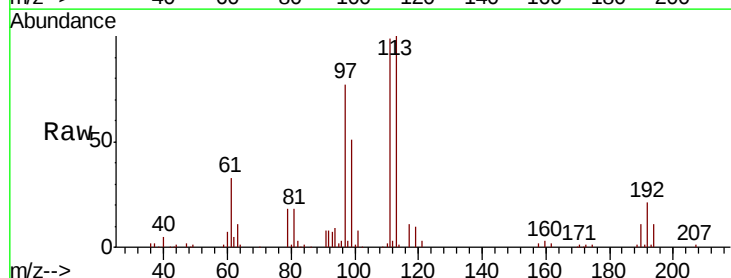
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

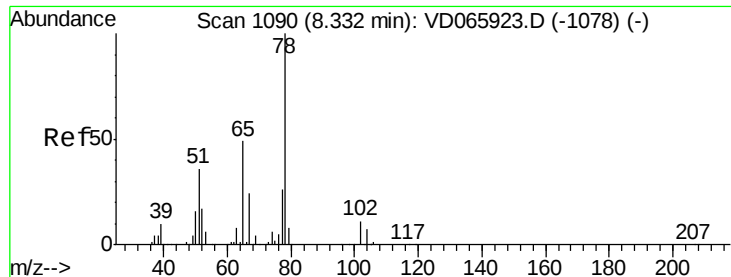
Tot Ion: 56 Resp: 151589
Ion Ratio Lower Upper
56 100
69 40.4 27.4 41.0
84 94.3 68.6 102.8



#32
1,1,1-Trichloroethane
Concen: 20.671 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 97 Resp: 143259
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 42.4 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 50.361 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

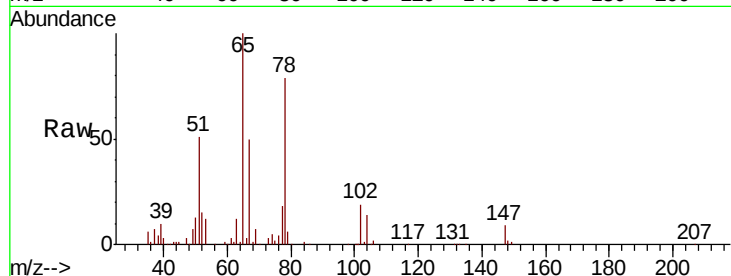
VD0707SBS01

Tot Ion: 65 Resp: 181660

Ion Ratio Lower Upper

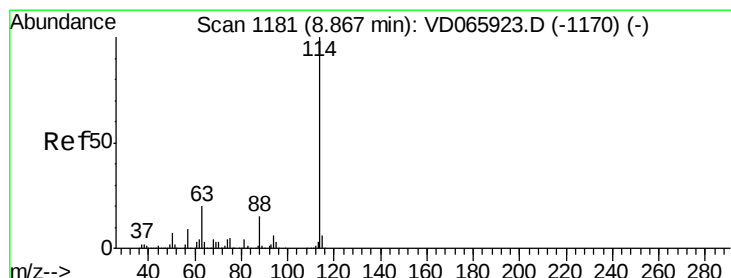
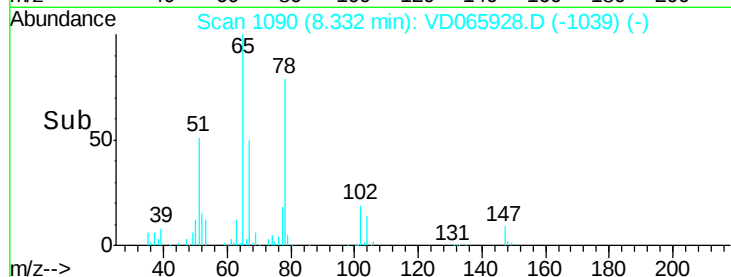
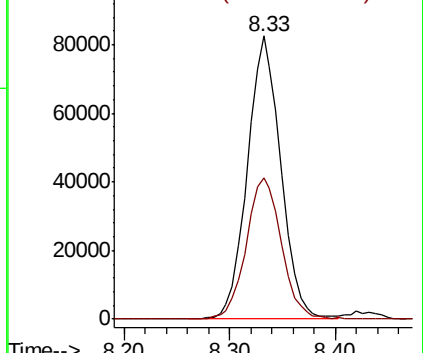
65 100

67 52.4 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

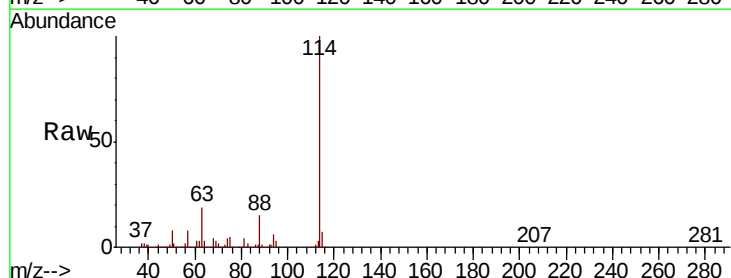
Tgt Ion: 114 Resp: 632254

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

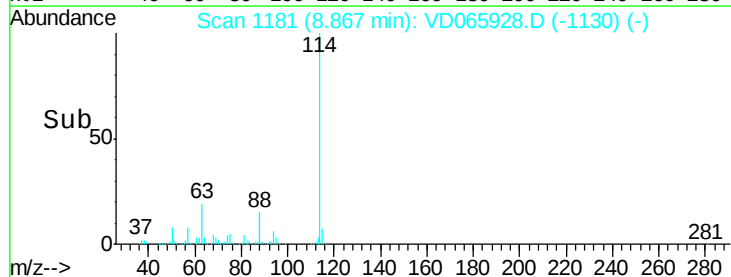
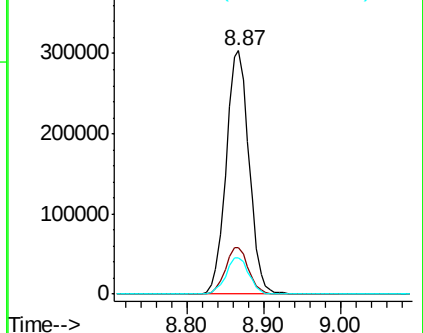
88 14.9 0.0 30.0

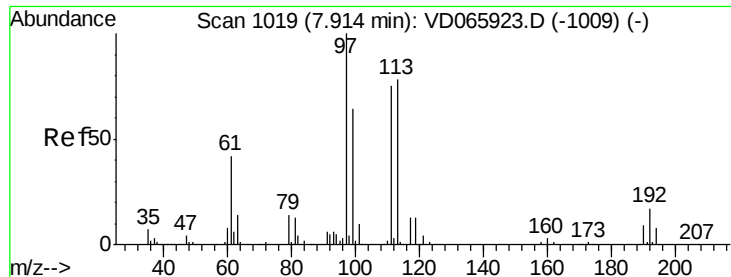


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

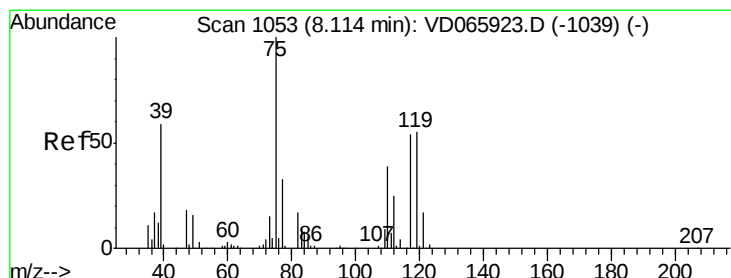
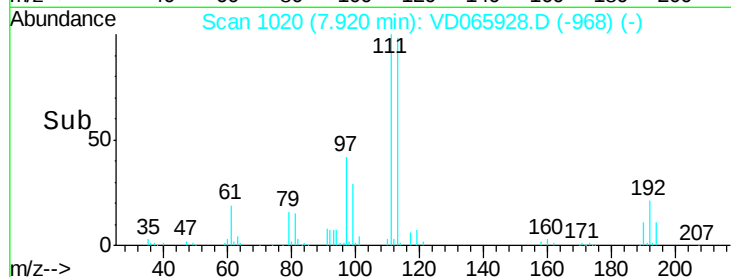
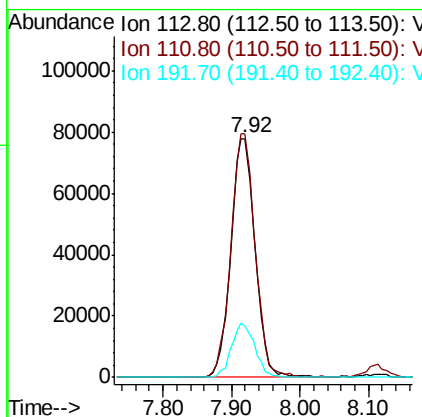
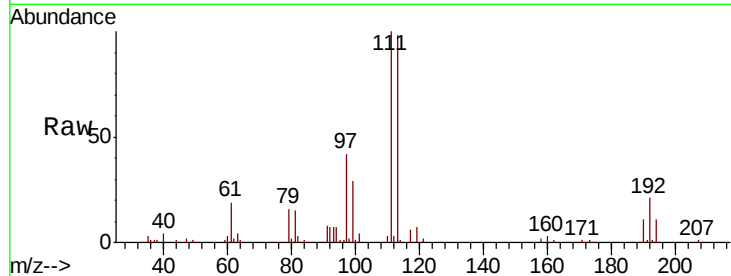




#35
Dibromofluoromethane
Concen: 48.704 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

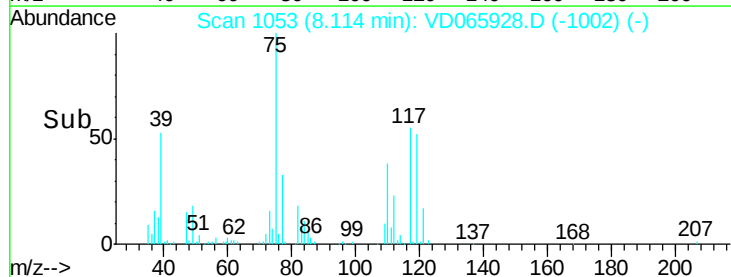
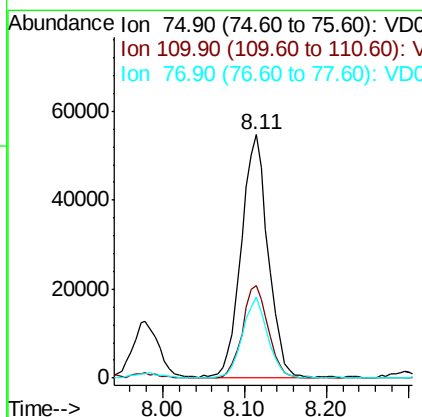
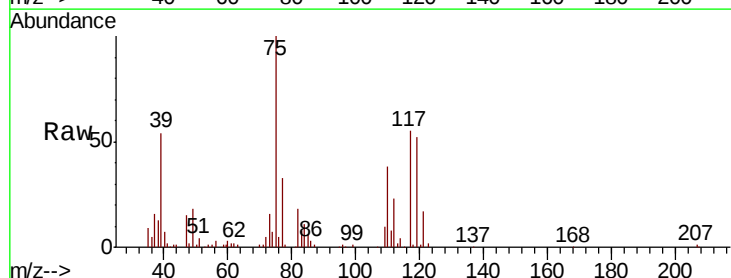
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

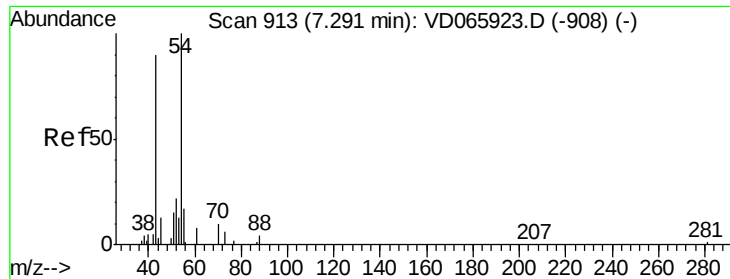
Tot Ion:113 Resp: 189960
Ion Ratio Lower Upper
113 100
111 102.1 80.9 121.3
192 21.9 17.1 25.7



#36
1,1-Dichloropropene
Concen: 20.158 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 75 Resp: 125873
Ion Ratio Lower Upper
75 100
110 36.3 18.5 55.5
77 31.1 25.6 38.4

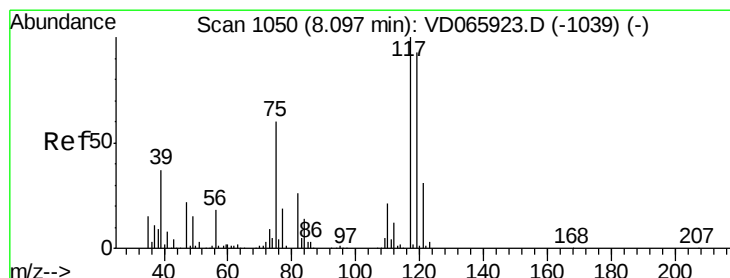
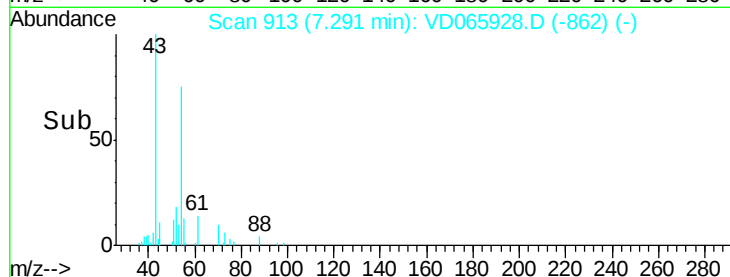
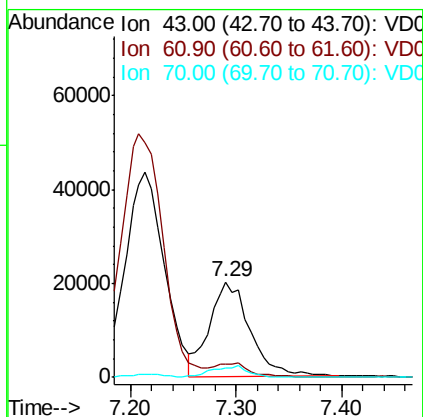
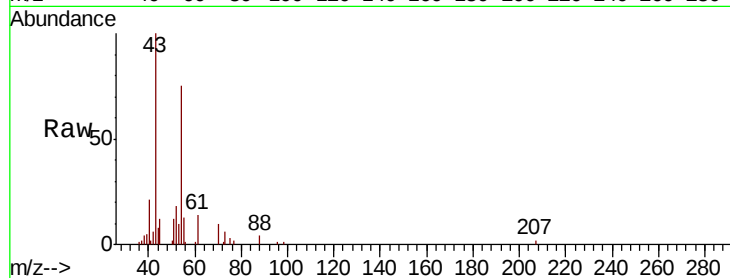




#37
Ethyl Acetate
Concen: 20.269 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

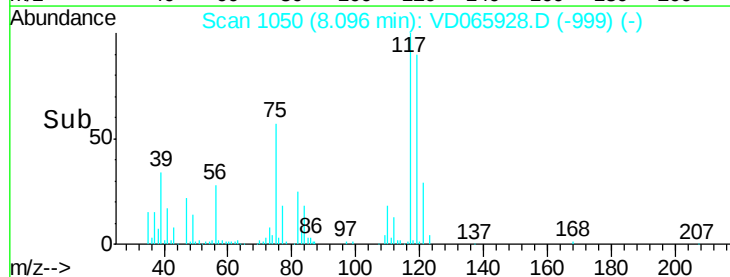
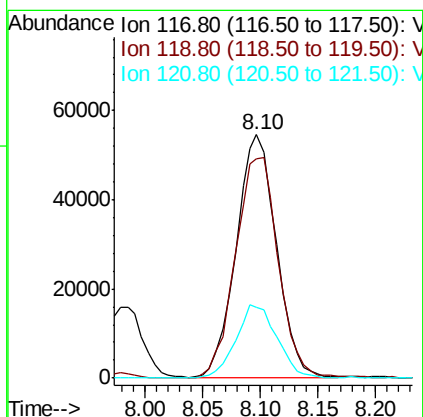
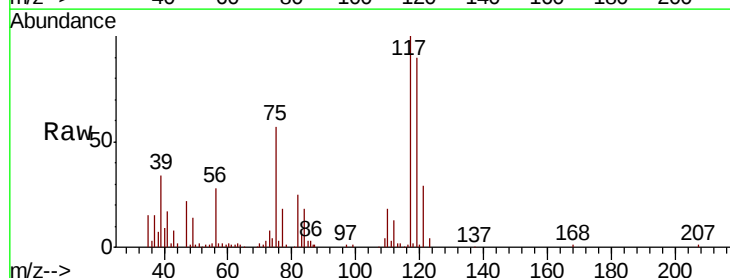
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

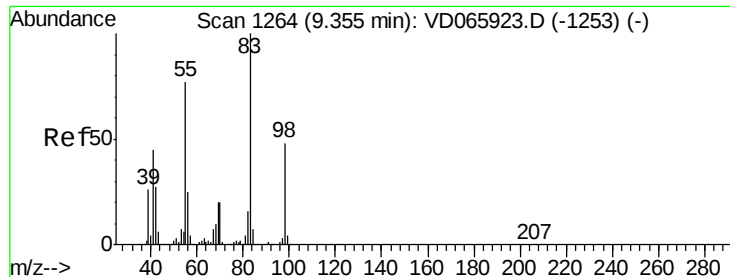
Tot Ion: 43 Resp: 53033
Ion Ratio Lower Upper
43 100
61 13.4 9.4 14.0
70 11.0 8.3 12.5



#38
Carbon Tetrachloride
Concen: 19.611 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 117 Resp: 131255
Ion Ratio Lower Upper
117 100
119 90.0 74.7 112.1
121 29.4 24.9 37.3

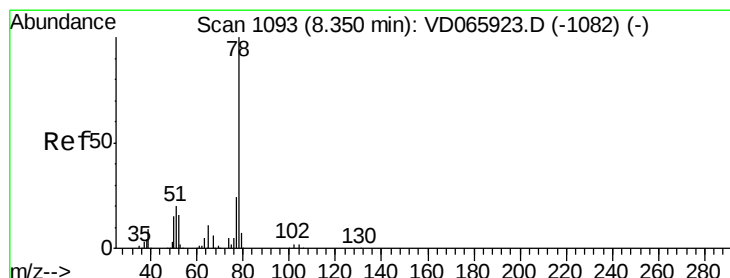
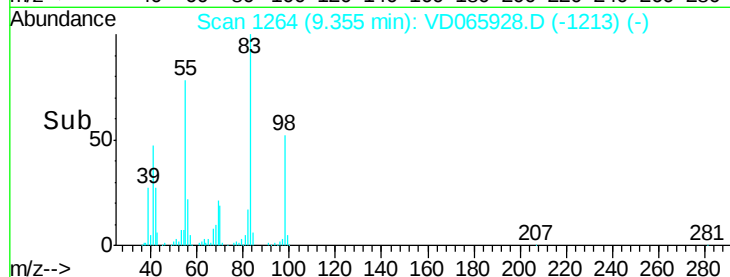
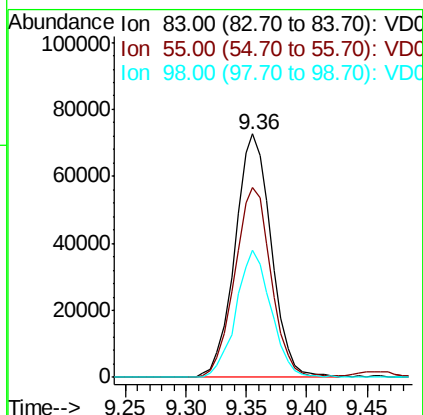
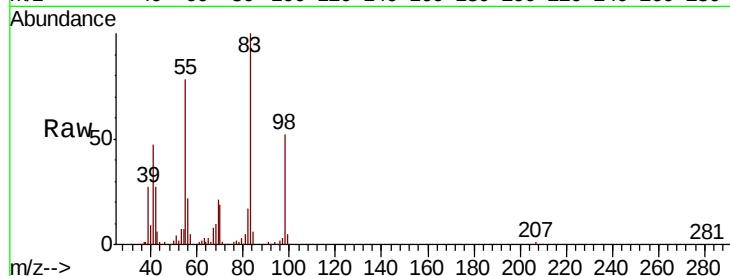




#39
Methvlcvclohexane
Concen: 19.838 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

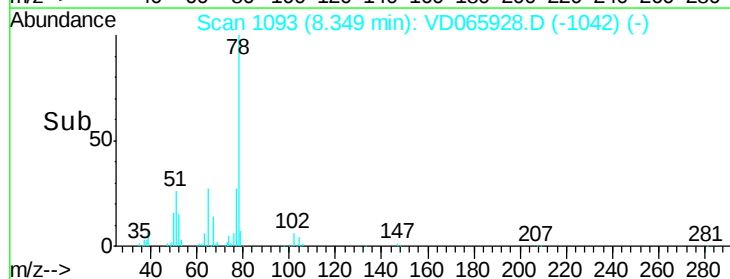
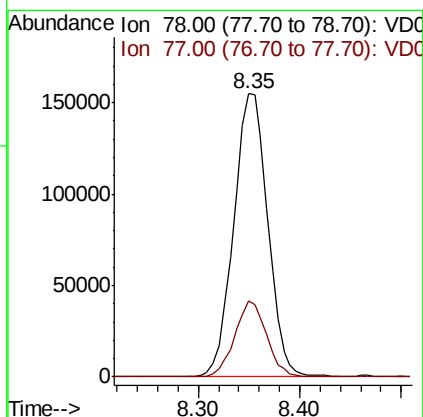
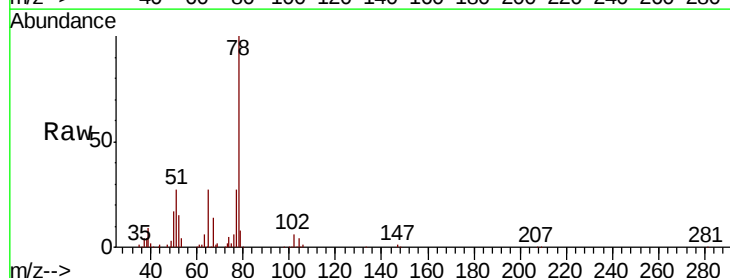
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

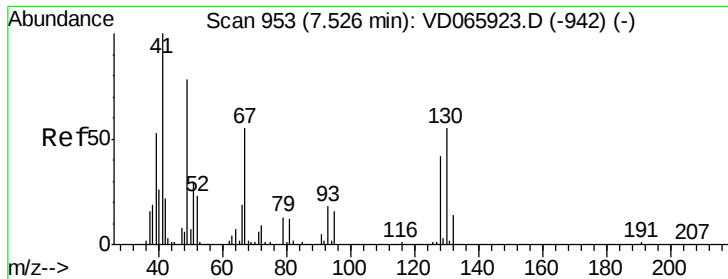
Tot Ion: 83 Resp: 152088
Ion Ratio Lower Upper
83 100
55 78.1 61.7 92.5
98 52.2 38.6 58.0



#40
Benzene
Concen: 20.978 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 78 Resp: 361891
Ion Ratio Lower Upper
78 100
77 26.9 19.4 29.0

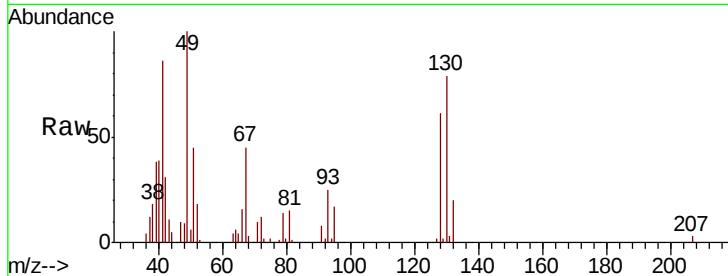




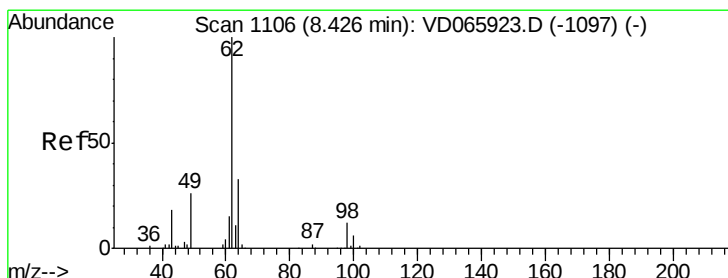
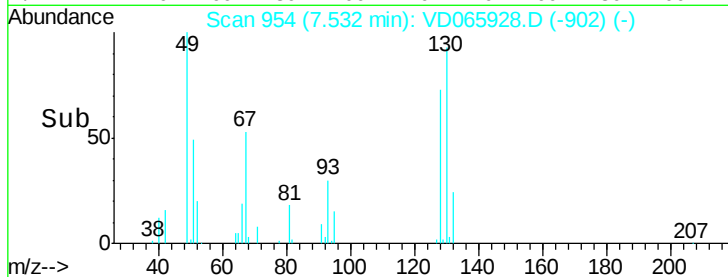
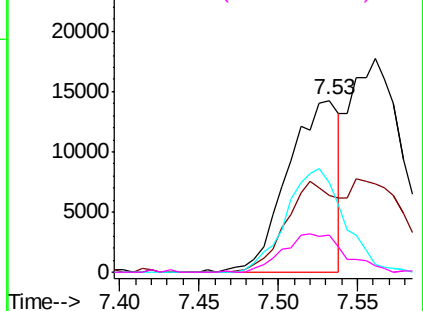
#41
Methacrylonitrile
Concen: 21.147 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion:	41	Resp:	32123
Ion	Ratio	Lower	Upper
41	100		
39	50.7	42.4	63.6
67	67.9	53.6	80.4
52	26.8	22.2	33.2

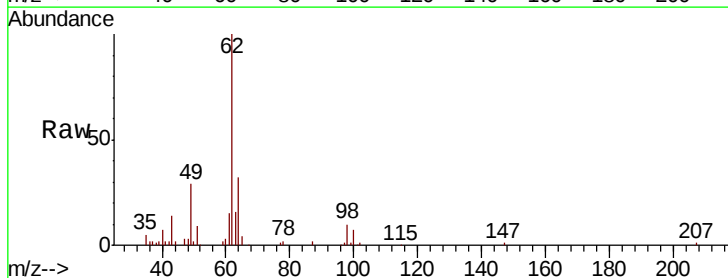


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

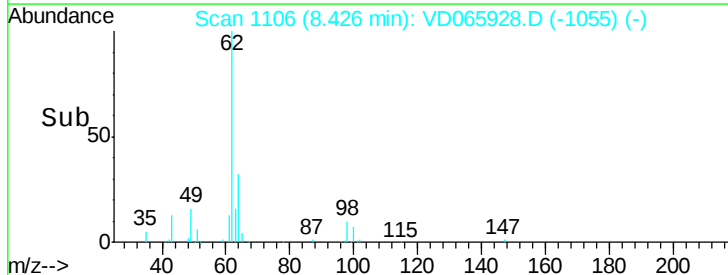
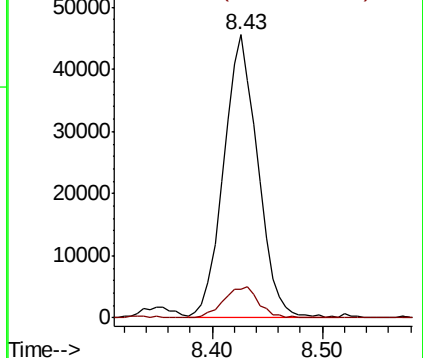


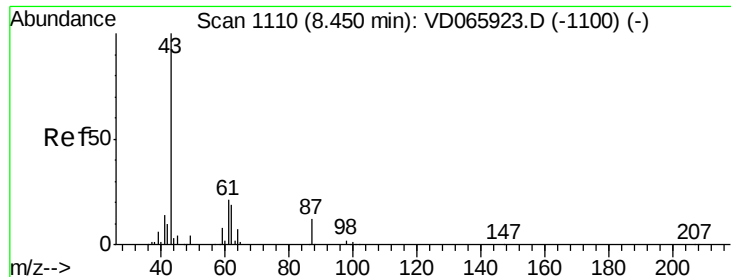
#42
1,2-Dichloroethane
Concen: 20.176 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion:	62	Resp:	98600
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.0



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





#43

Isopropyl Acetate

Concen: 20.602 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

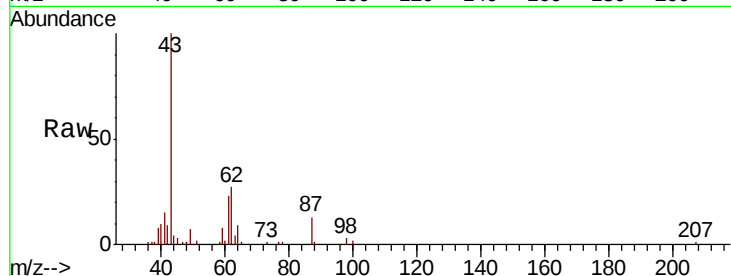
Tot Ion: 43 Resp: 100332

Ion Ratio Lower Upper

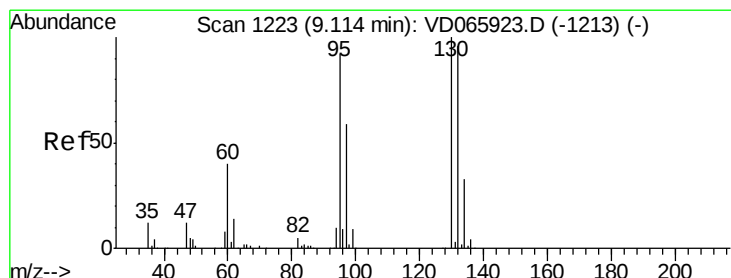
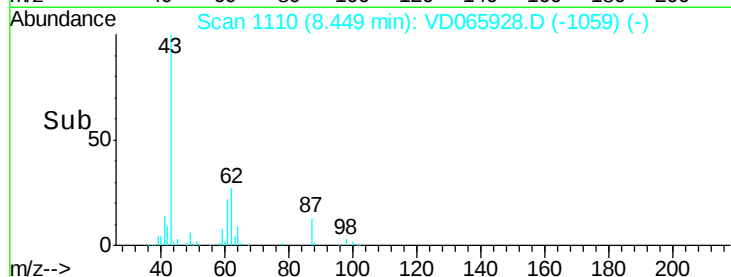
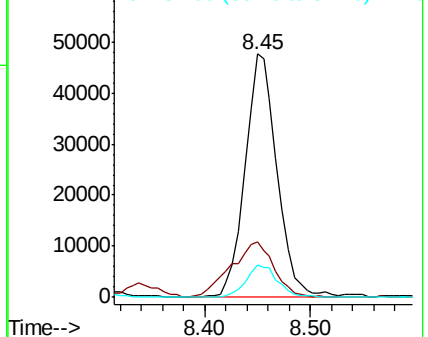
43 100

61 30.5 23.2 34.8

87 13.2 10.0 15.0



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



#44

Trichloroethene

Concen: 20.864 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065928.D

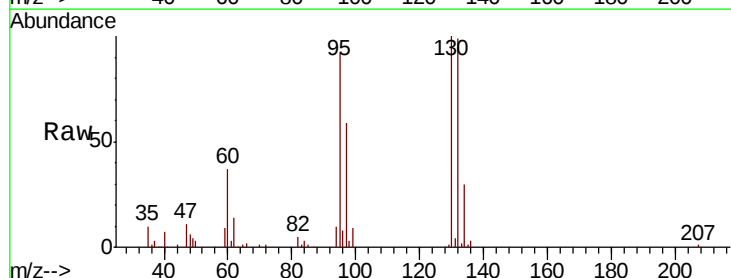
Acq: 07 Jul 2020 18:38

Tgt Ion: 130 Resp: 105754

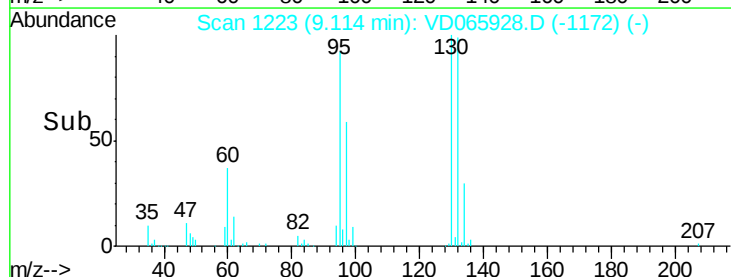
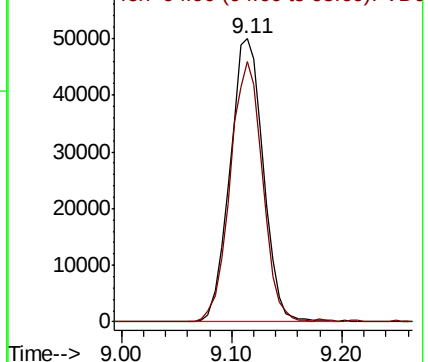
Ion Ratio Lower Upper

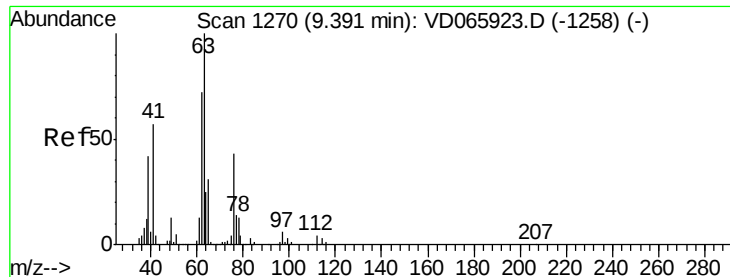
130 100

95 92.0 0.0 184.6



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

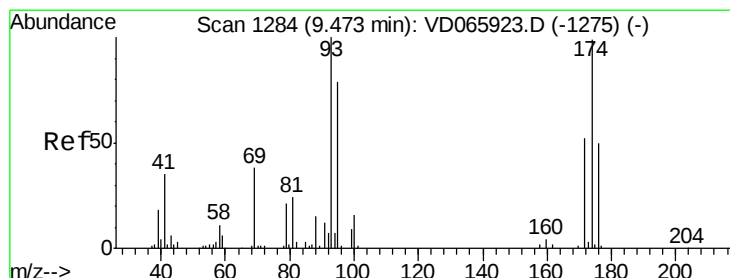
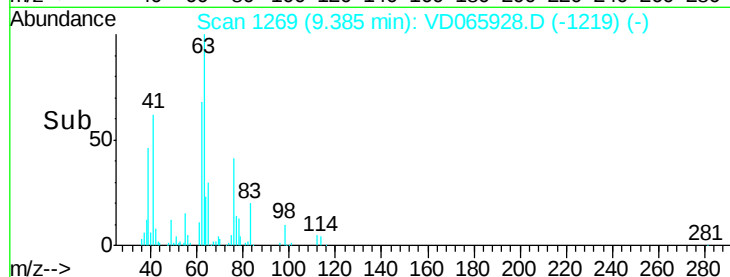
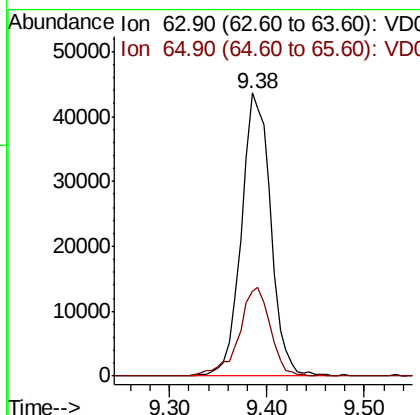
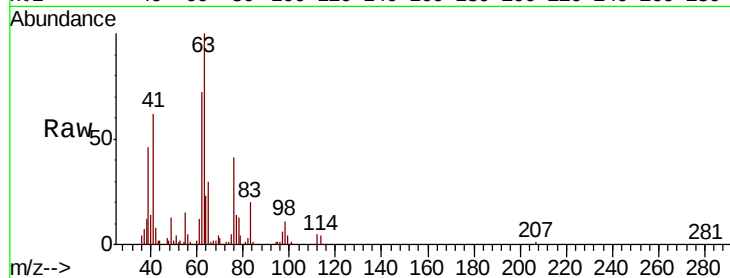




#45
 1,2-Dichloropropane
 Concen: 21.460 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

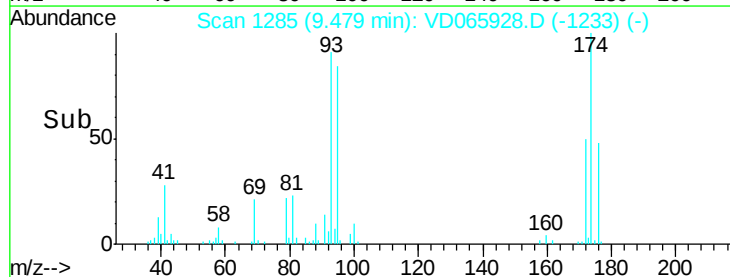
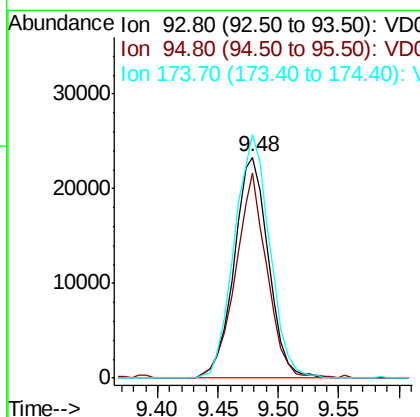
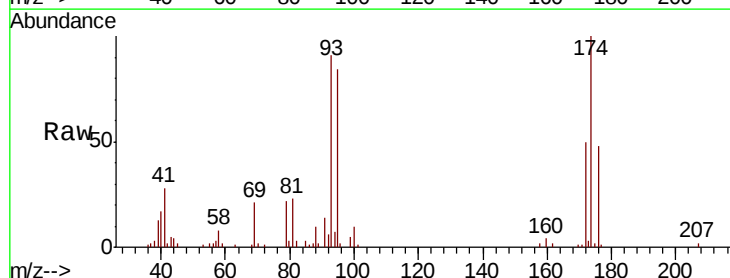
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

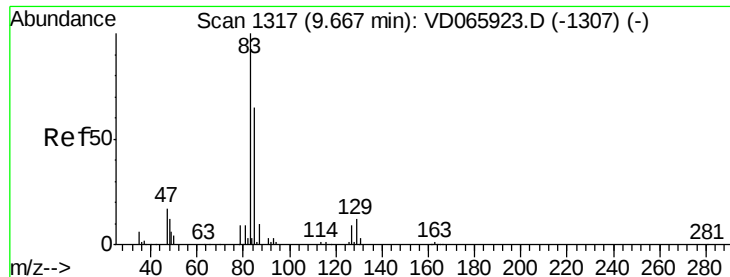
Tot Ion: 63 Resp: 91884
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6



#46
 Dibromomethane
 Concen: 20.665 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Tgt Ion: 93 Resp: 46064
 Ion Ratio Lower Upper
 93 100
 95 85.3 68.2 102.2
 174 113.5 88.0 132.0





#47

Bromodichloromethane

Concen: 20.836 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

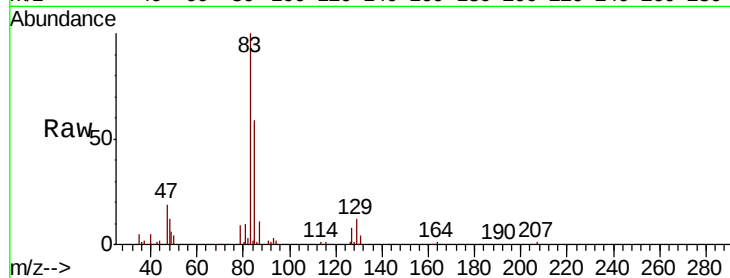
Tot Ion: 83 Resp: 124588

Ion Ratio Lower Upper

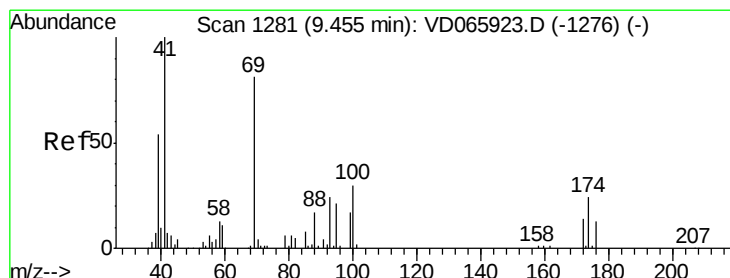
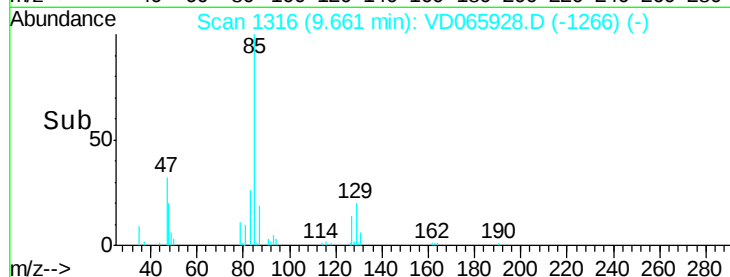
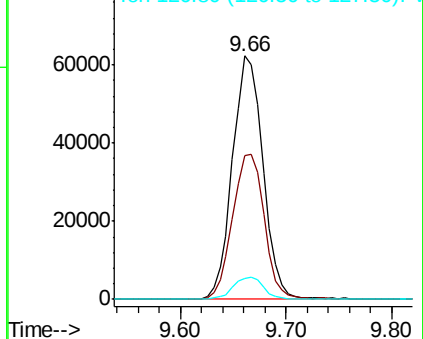
83 100

85 59.0 51.6 77.4

127 8.4 7.2 10.8



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



#48

Methyl methacrylate

Concen: 21.412 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

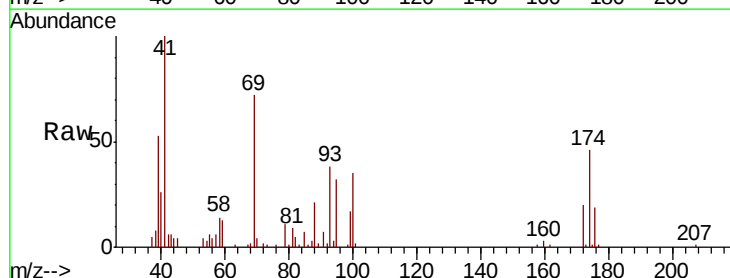
Tgt Ion: 41 Resp: 52497

Ion Ratio Lower Upper

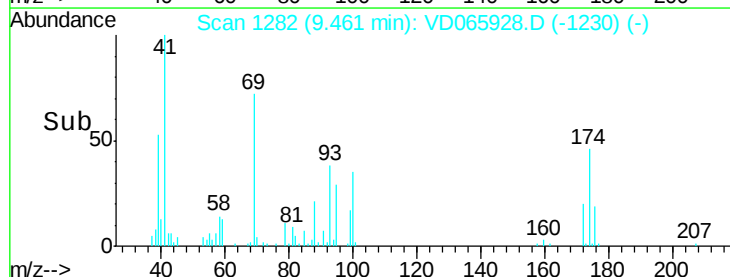
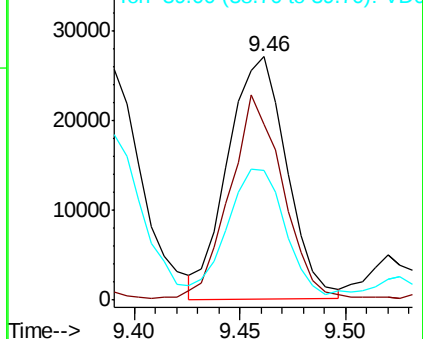
41 100

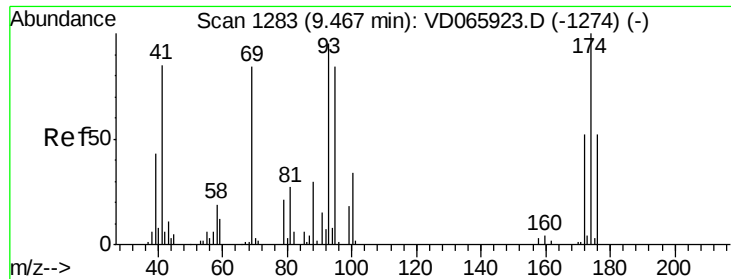
69 75.0 62.2 93.4

39 47.8 39.9 59.9



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: 420.440 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

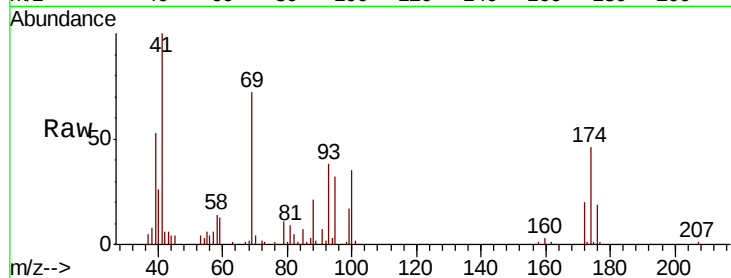
Tot Ion: 88 Resp: 11136

Ion Ratio Lower Upper

88 100

43 41.0 28.2 42.4

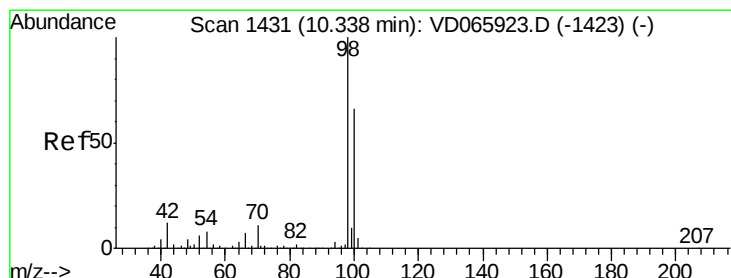
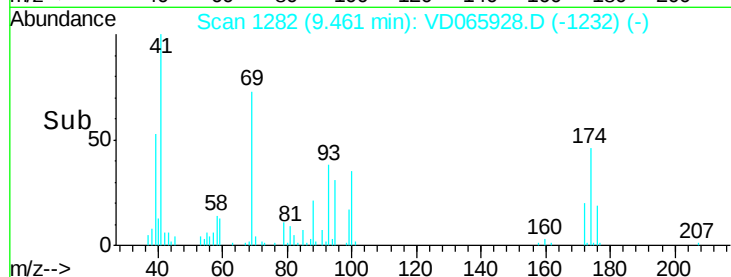
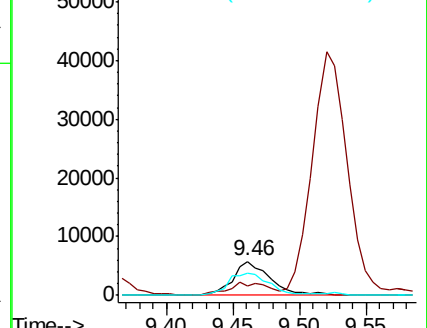
58 74.8 58.6 87.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.792 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065928.D

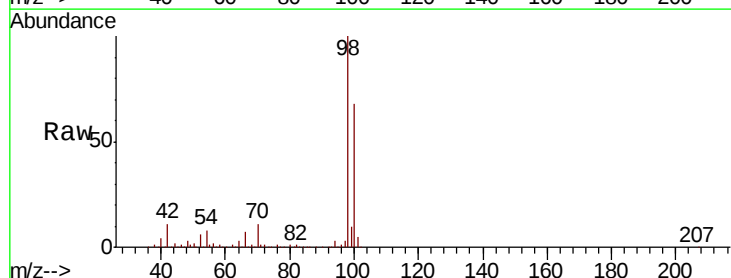
Acq: 07 Jul 2020 18:38

Tgt Ion: 98 Resp: 694356

Ion Ratio Lower Upper

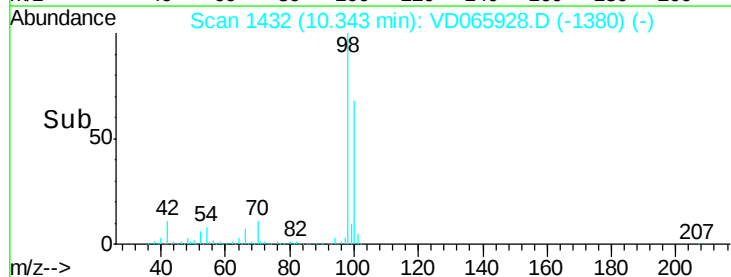
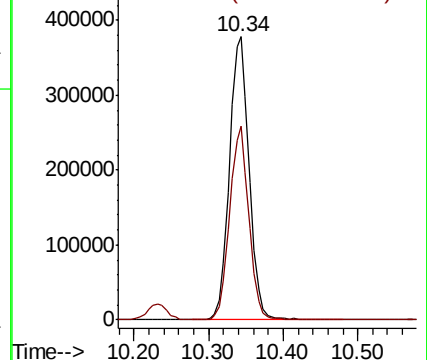
98 100

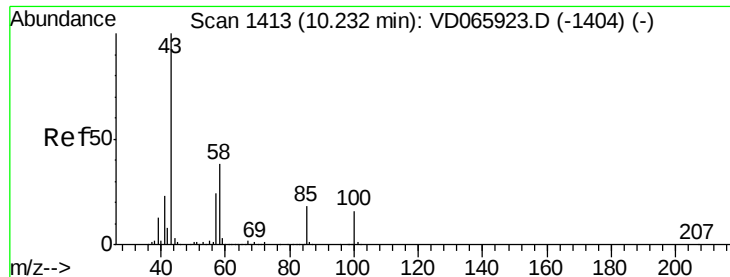
100 66.8 53.1 79.7



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: 105.769 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

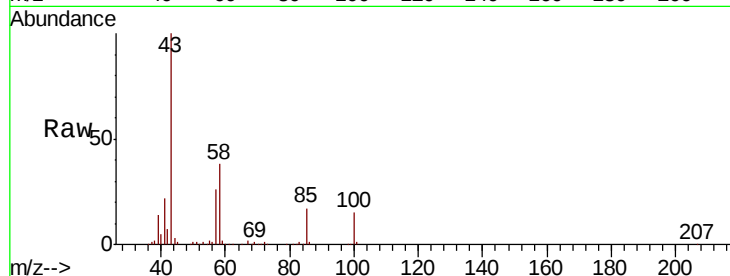
VD0707SBS01

Tot Ion: 43 Resp: 260421

Ion Ratio Lower Upper

43 100

58 38.2 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

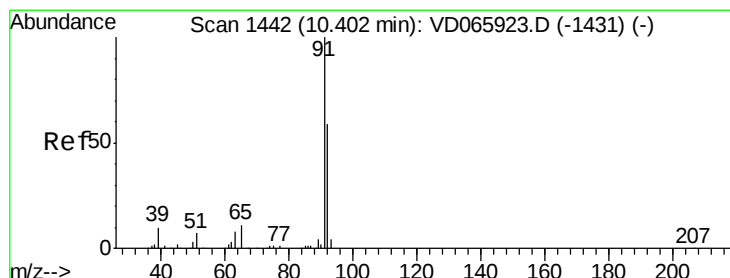
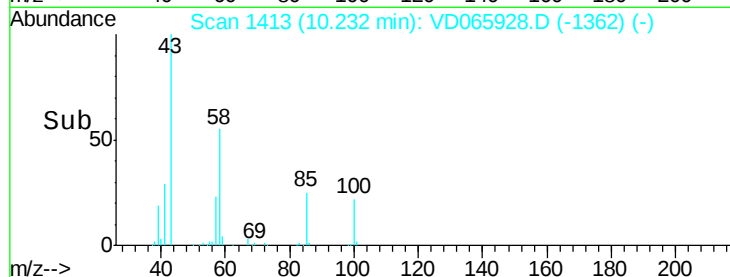
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.258 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065928.D

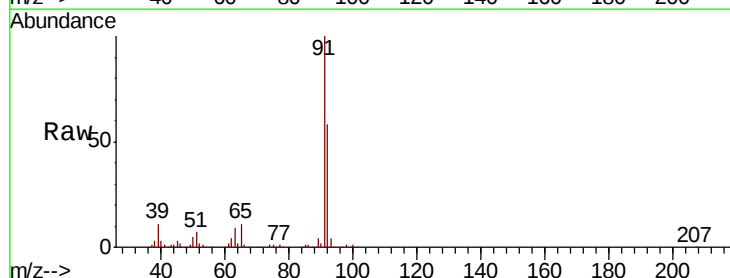
Acq: 07 Jul 2020 18:38

Tgt Ion: 92 Resp: 233308

Ion Ratio Lower Upper

92 100

91 169.6 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

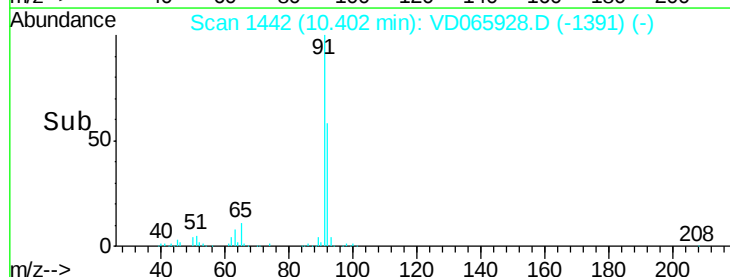
150000

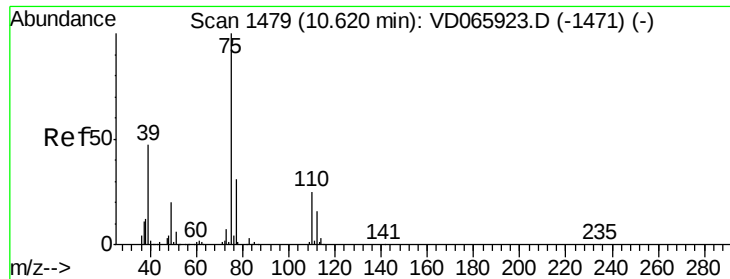
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.727 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

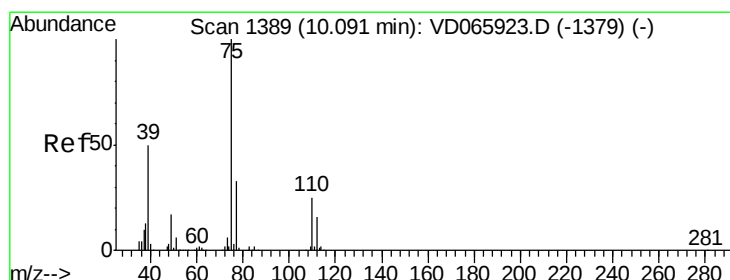
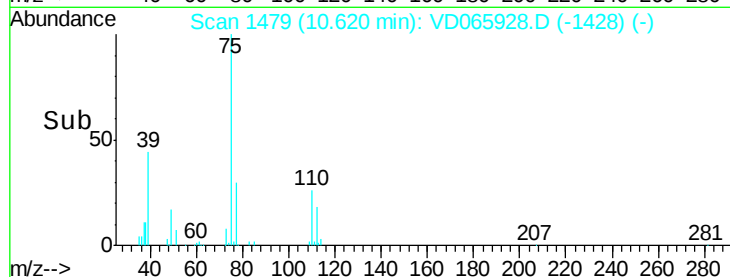
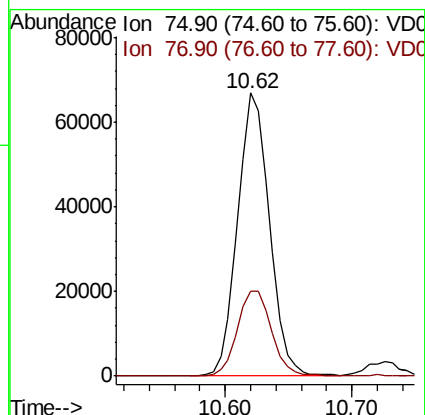
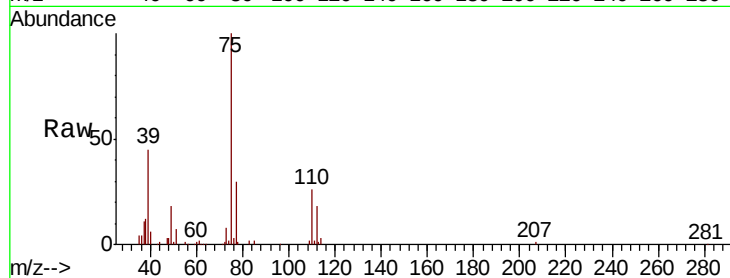
VD0707SBS01

Tot Ion: 75 Resp: 116535

Ion Ratio Lower Upper

75 100

77 30.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.985 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

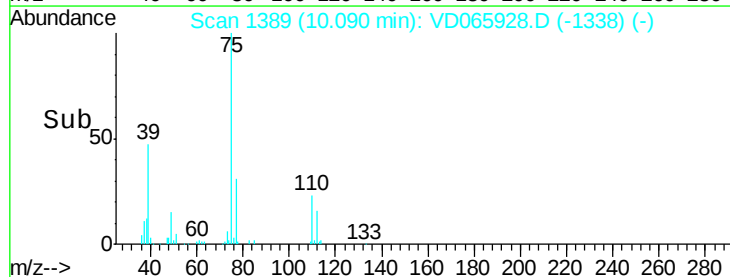
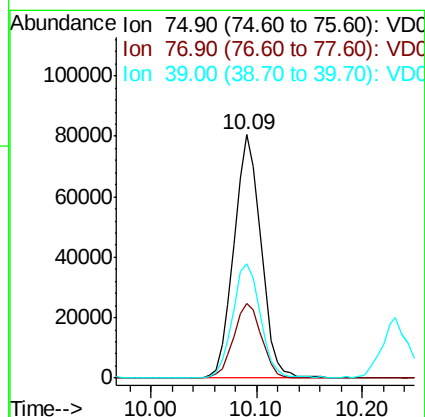
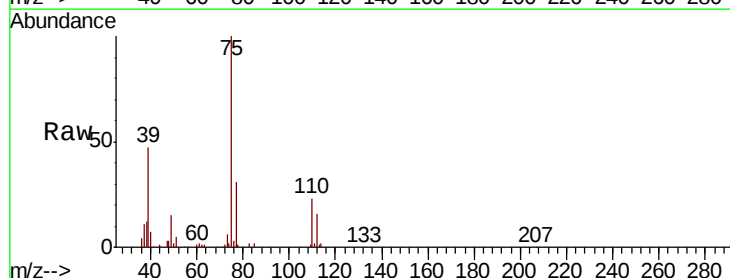
Tgt Ion: 75 Resp: 142564

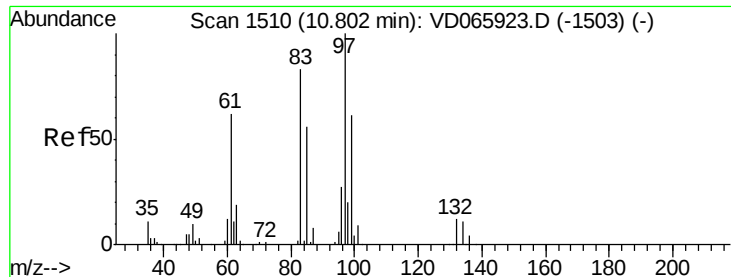
Ion Ratio Lower Upper

75 100

77 30.6 26.6 39.8

39 46.7 39.6 59.4

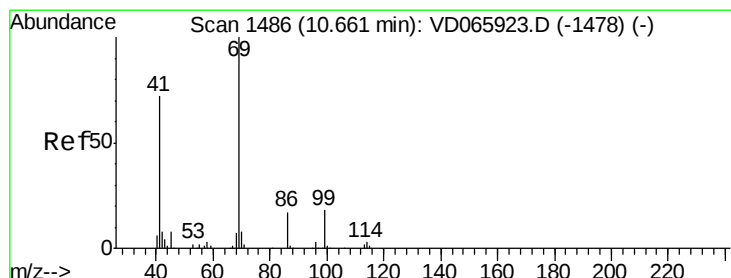
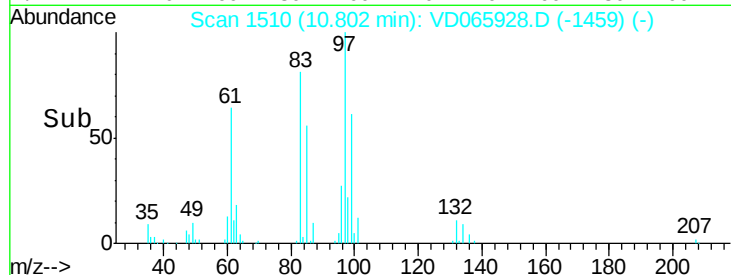
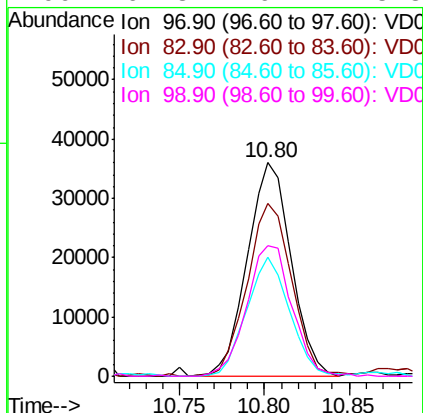
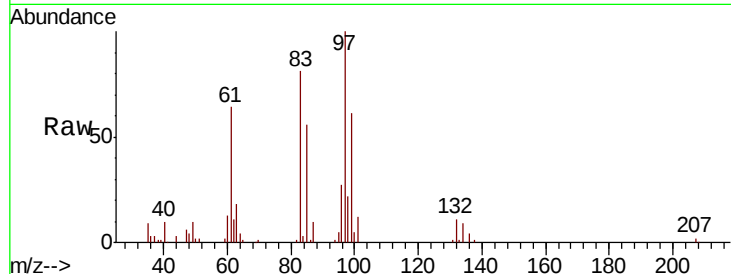




#55
 1,1,2-Trichloroethane
 Concen: 21.223 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

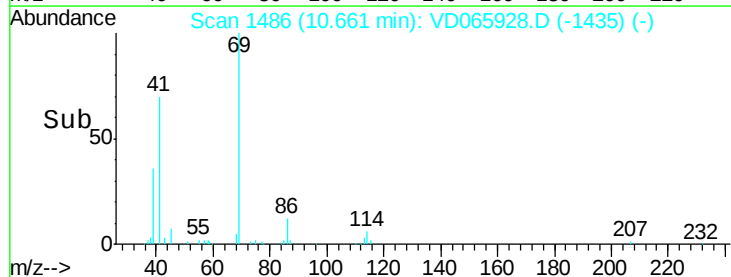
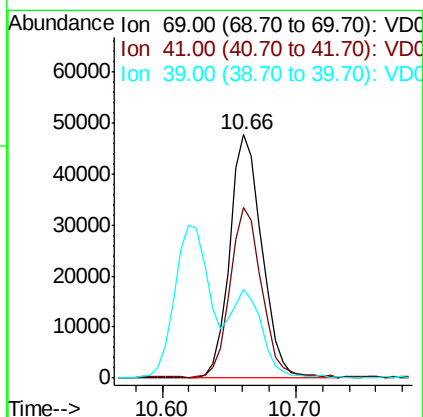
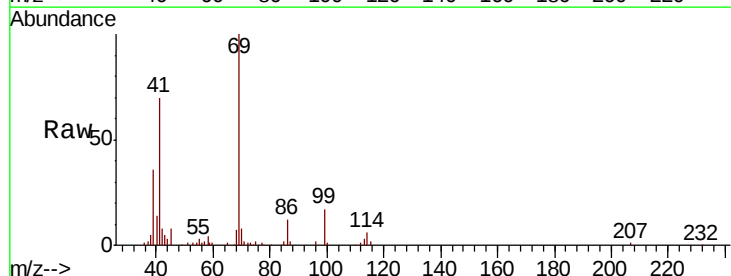
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

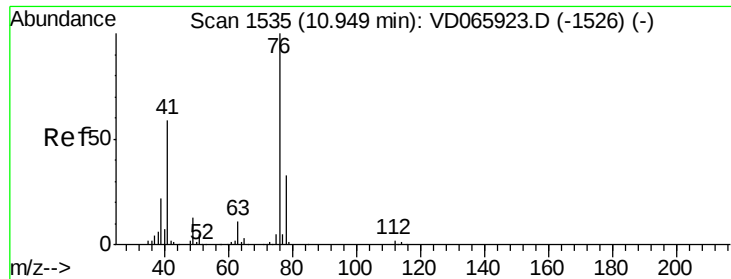
Tot Ion:	97	Resp:	65182
Ion	Ratio	Lower	Upper
97	100		
83	81.2	66.9	100.3
85	56.0	44.5	66.7
99	61.3	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 21.408 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Tgt Ion:	69	Resp:	80308
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.5	84.7
39	36.8	29.2	43.8

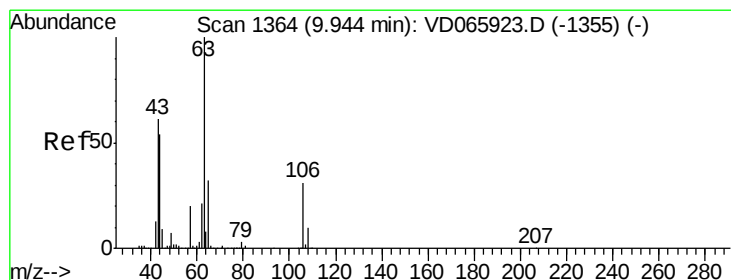
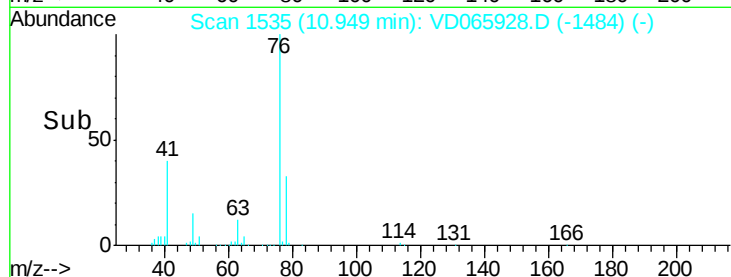
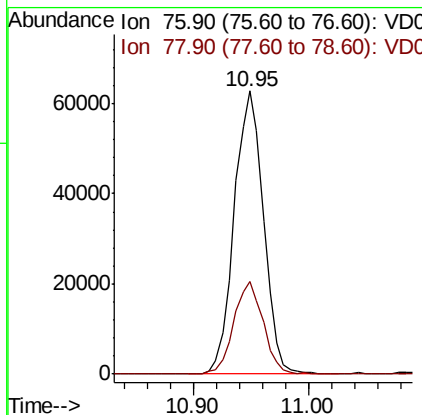
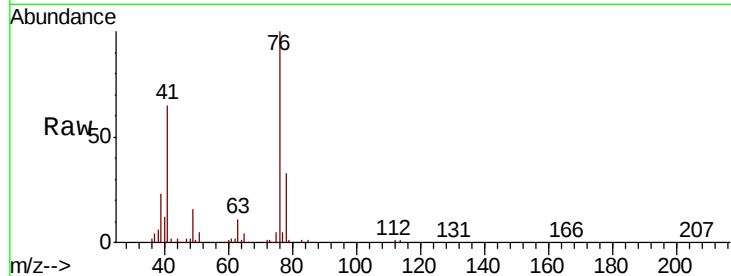




#57
 1,3-Dichloropropane
 Concen: 20.531 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

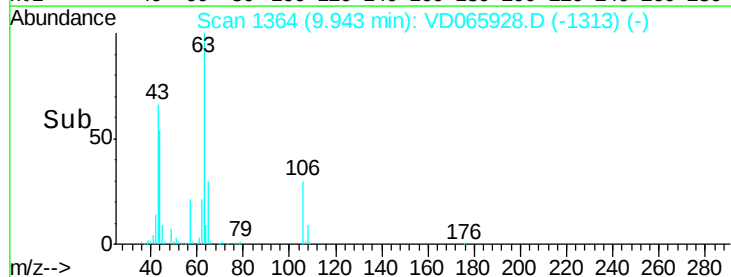
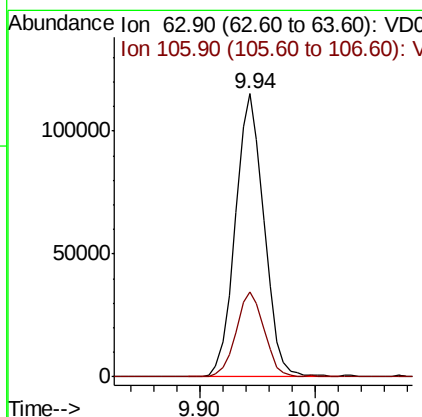
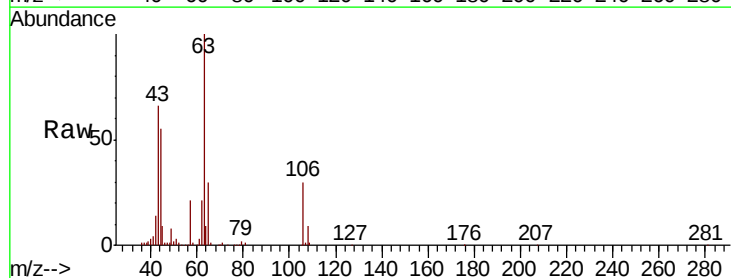
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

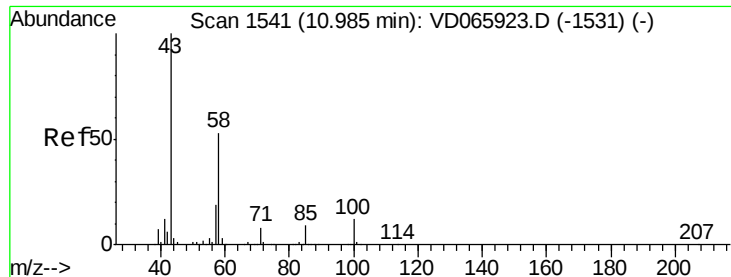
Tot Ion: 76 Resp: 110275
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.085 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Tgt Ion: 63 Resp: 198178
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.6

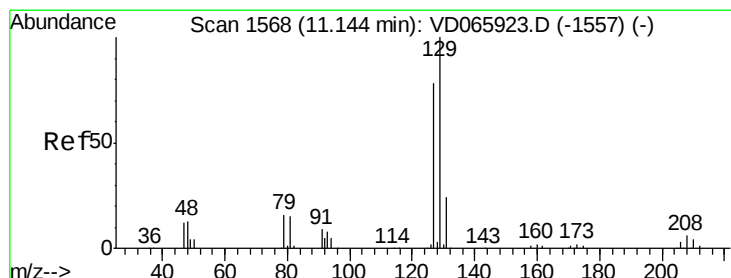
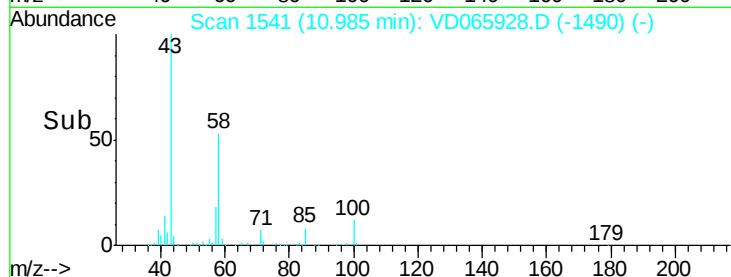
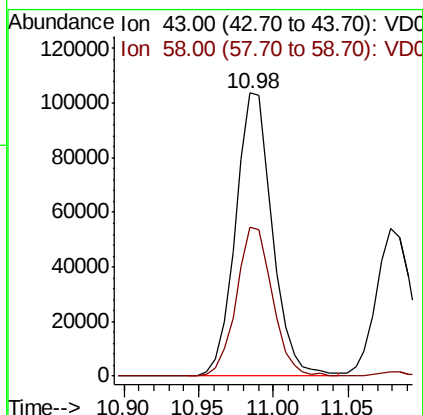
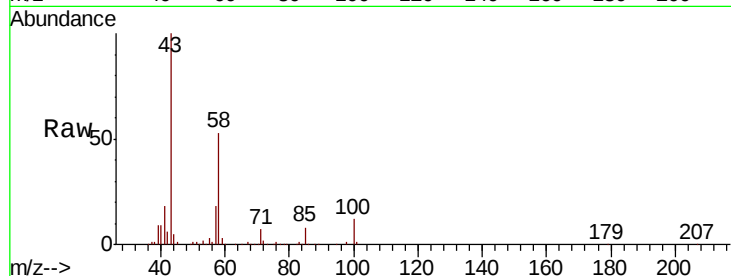




#59
2-Hexanone
Concen: 104.282 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

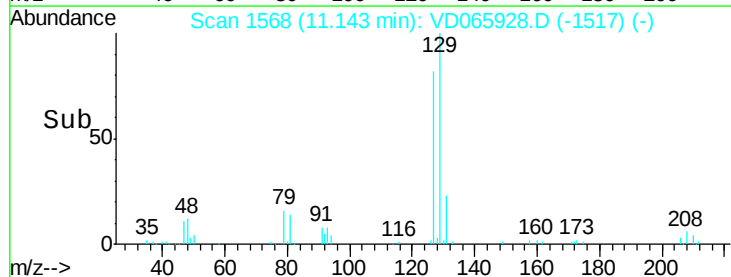
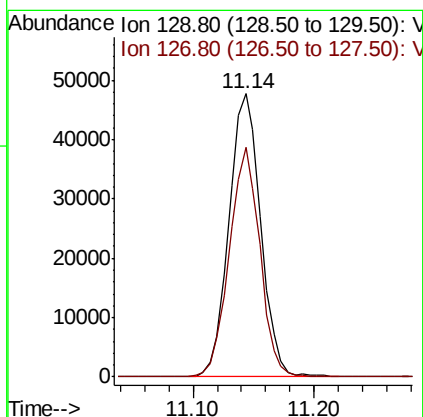
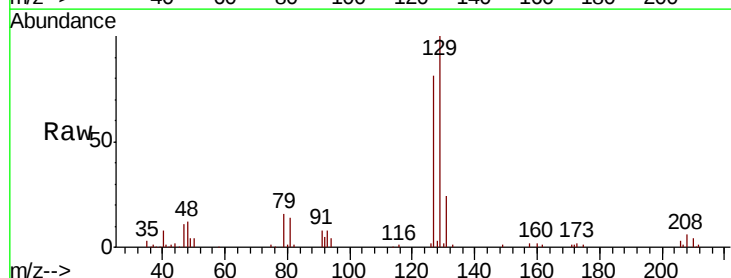
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

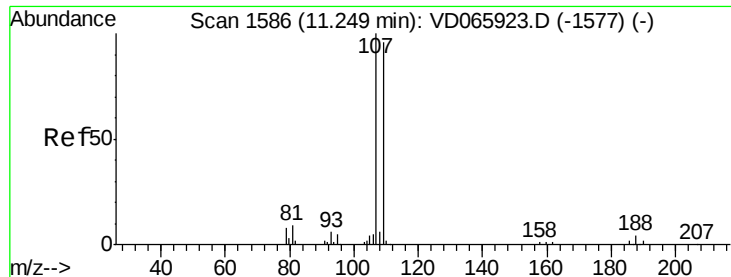
Tot Ion: 43 Resp: 176582
Ion Ratio Lower Upper
43 100
58 51.9 26.6 79.8



#60
Dibromochloromethane
Concen: 20.754 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 129 Resp: 87088
Ion Ratio Lower Upper
129 100
127 78.4 38.8 116.4

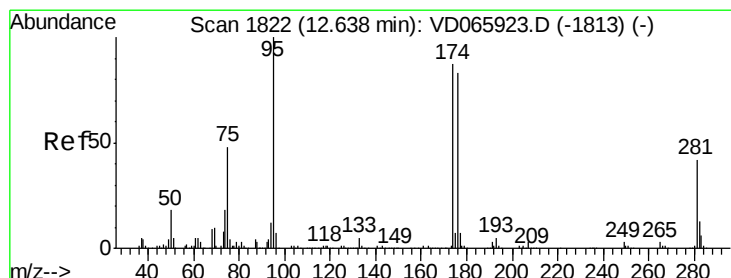
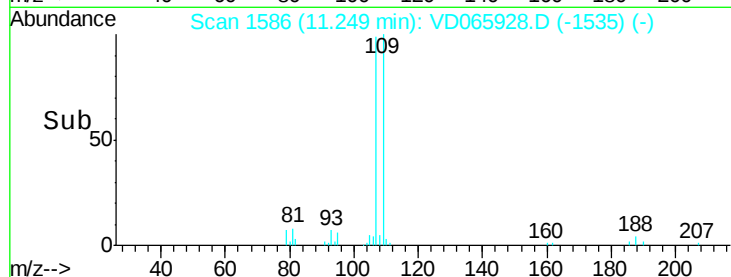
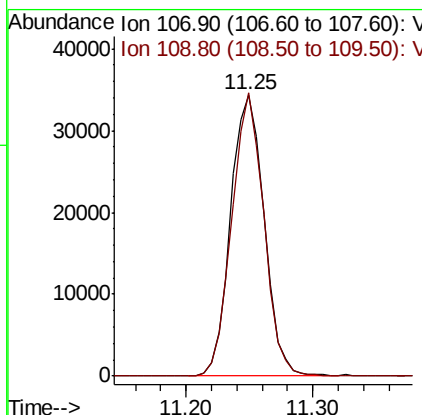
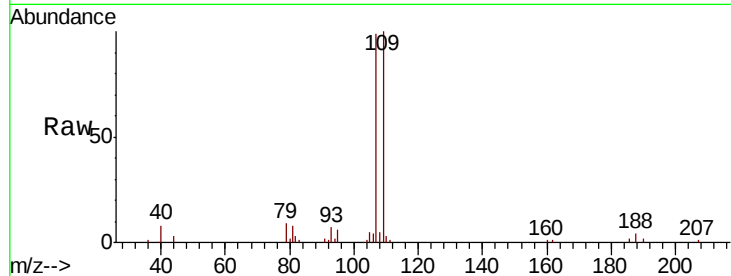




#61
 1,2-Dibromoethane
 Concen: 20.448 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

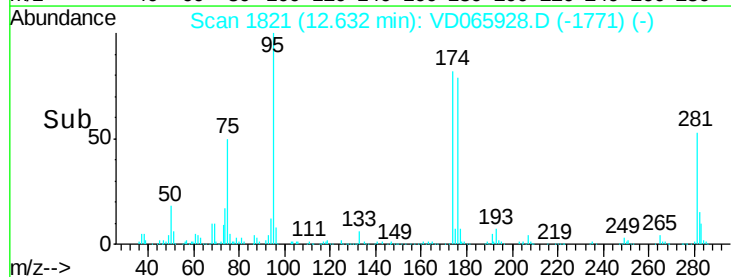
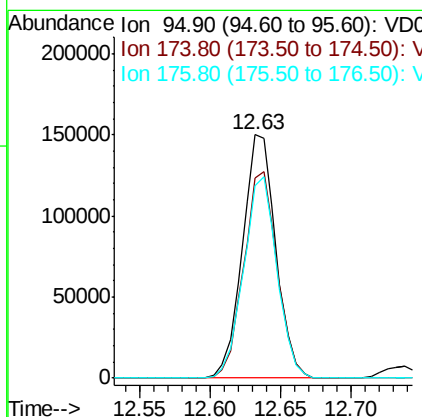
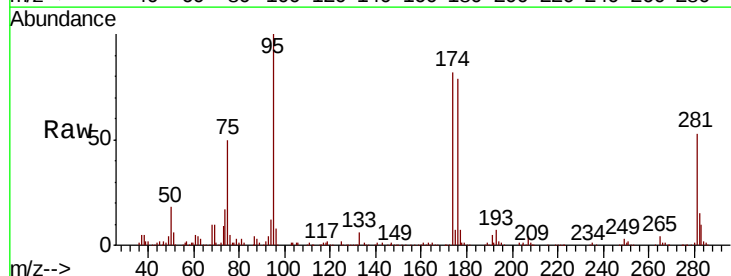
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

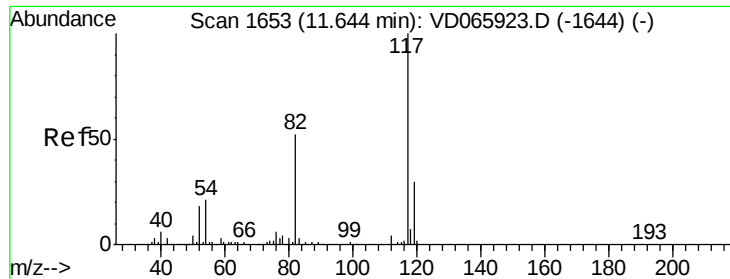
Tot Ion:107 Resp: 62617
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.661 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Tgt Ion: 95 Resp: 247575
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 169.4
 176 83.1 0.0 164.0

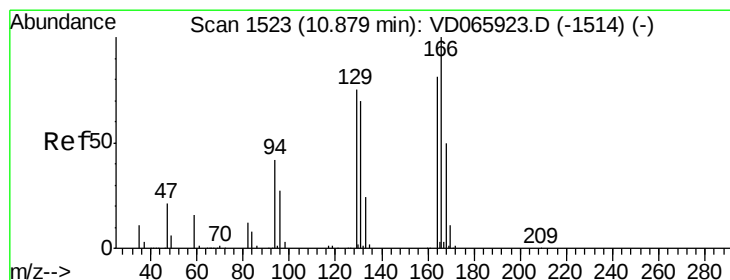
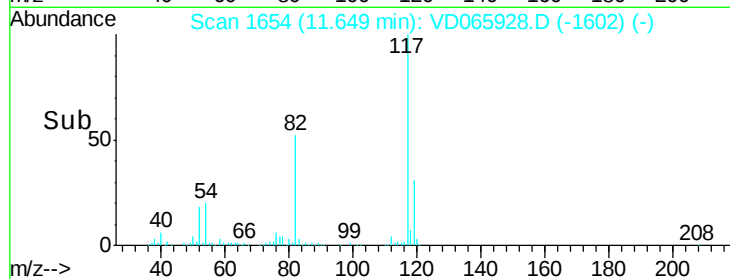
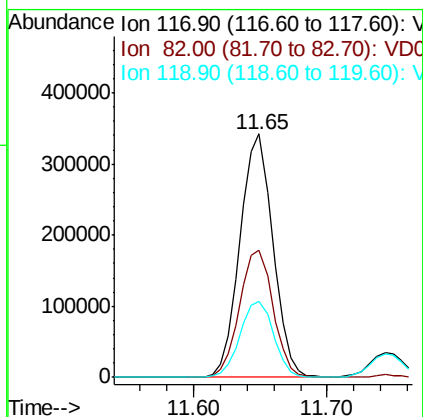
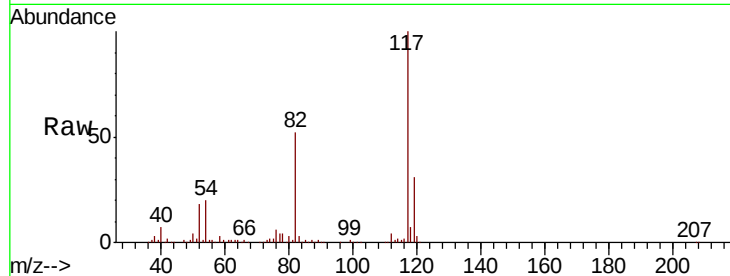




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

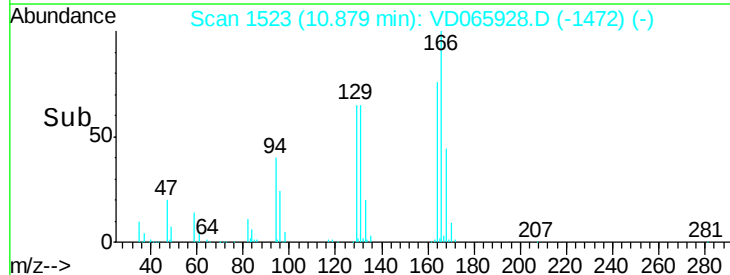
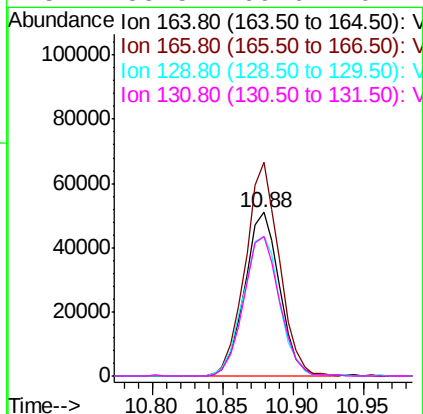
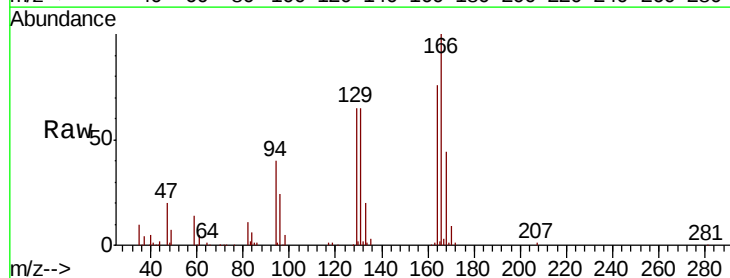
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

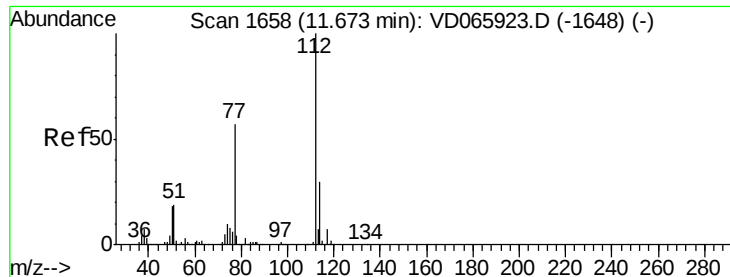
Tot Ion:117 Resp: 585284
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 31.4 24.3 36.5



#64
Tetrachloroethene
Concen: 20.784 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion:164 Resp: 88462
Ion Ratio Lower Upper
164 100
166 130.8 99.0 148.4
129 85.1 73.9 110.9
131 85.5 69.6 104.4

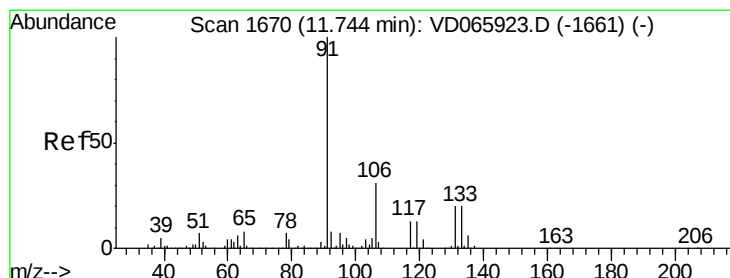
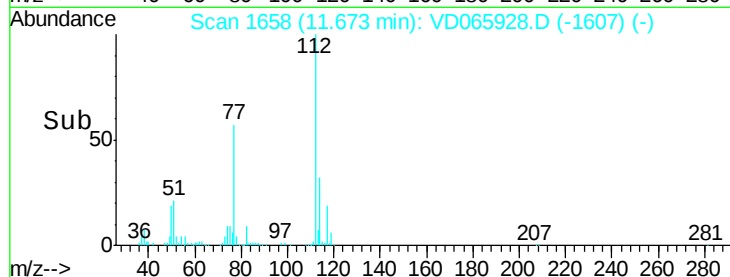
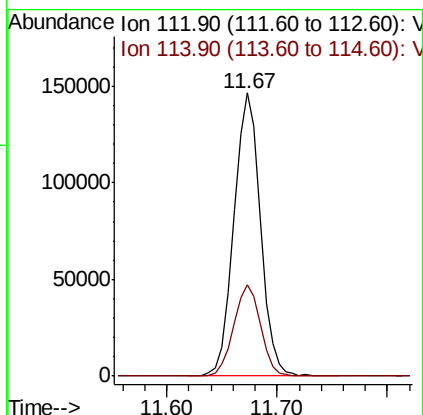
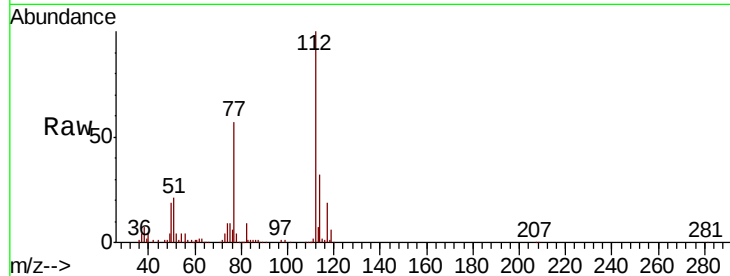




#65
Chlorobenzene
Concen: 20.969 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

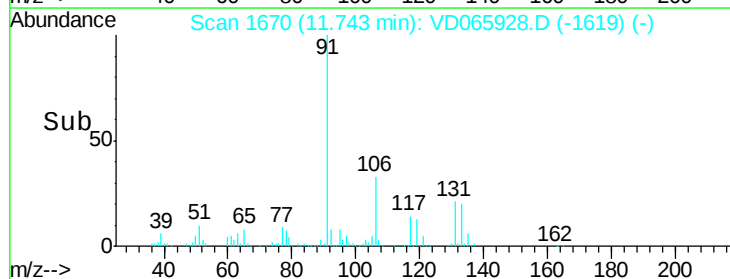
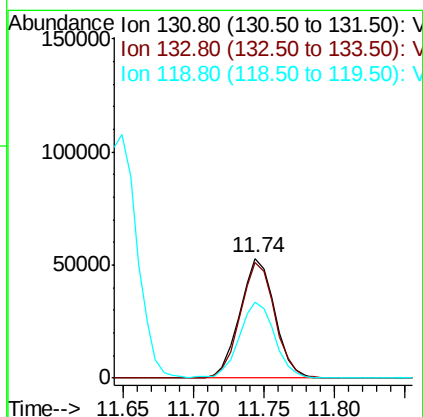
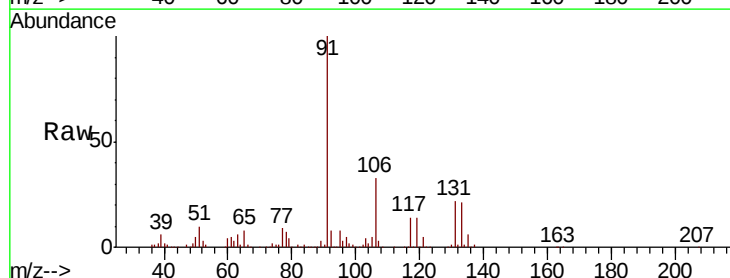
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

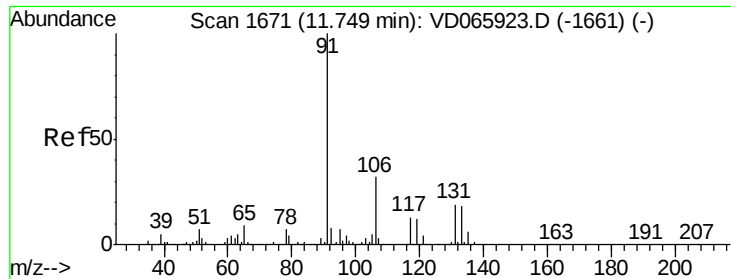
Tot Ion:112 Resp: 247319
Ion Ratio Lower Upper
112 100
114 32.3 24.2 36.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.726 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion:131 Resp: 91431
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.6
119 64.4 31.9 95.9

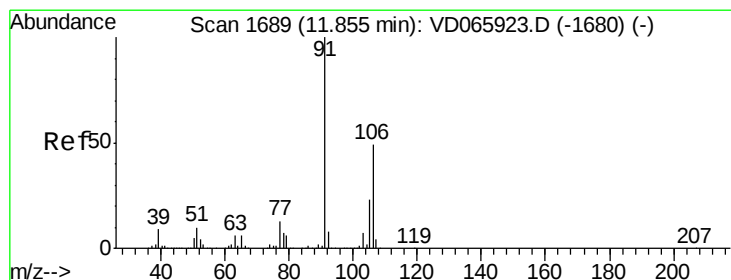
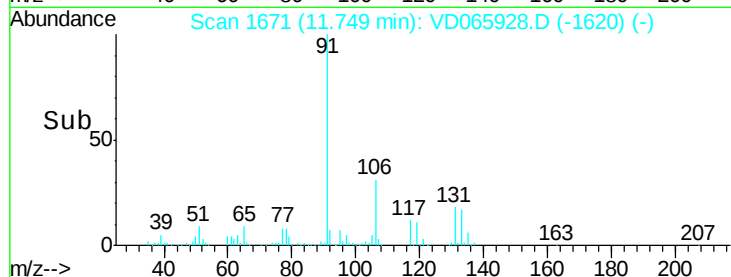
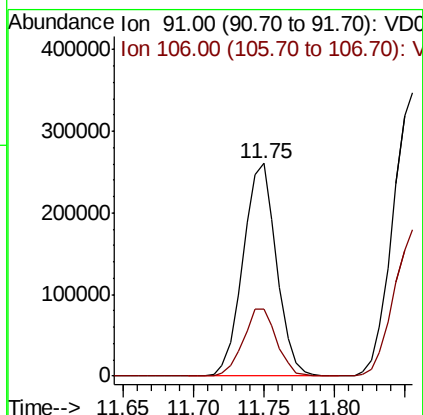
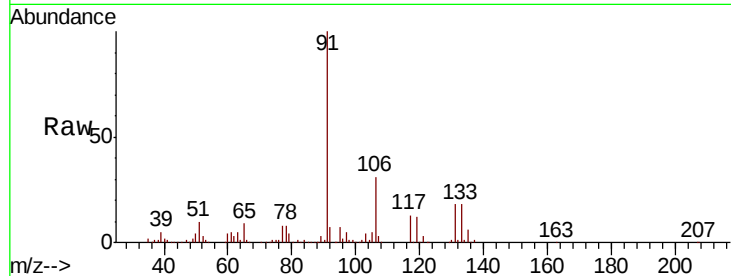




#67
Ethyl Benzene
Concen: 20.628 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

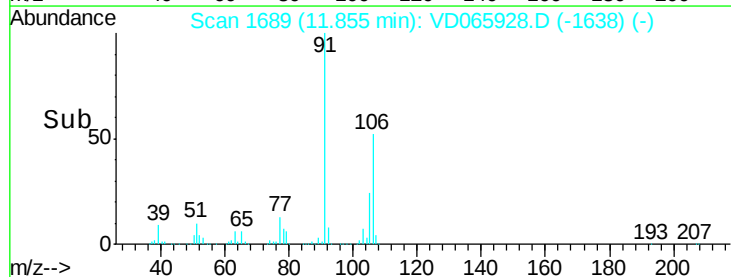
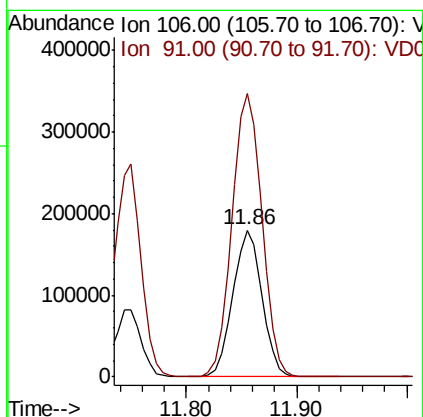
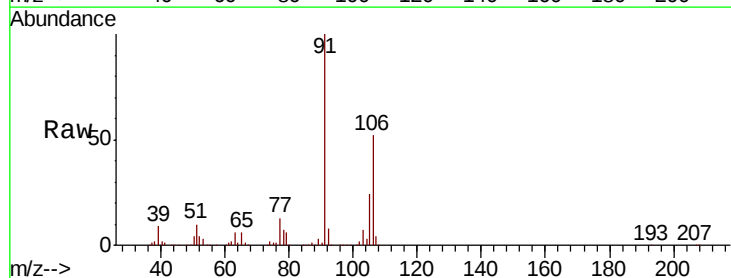
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

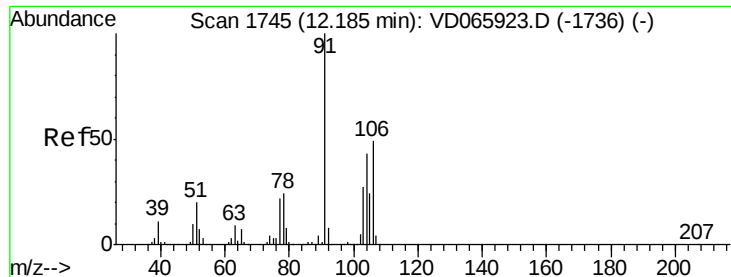
Tot Ion: 91 Resp: 432222
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#68
m/p-Xylenes
Concen: 41.826 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 106 Resp: 332967
Ion Ratio Lower Upper
106 100
91 199.1 158.2 237.2

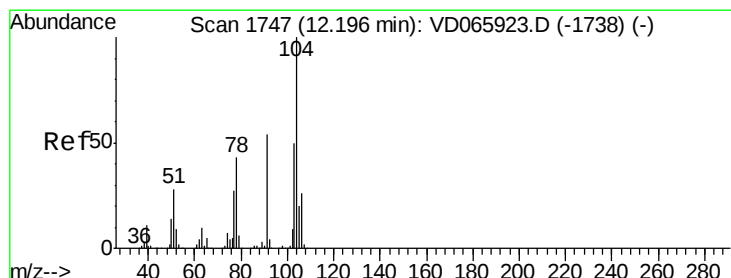
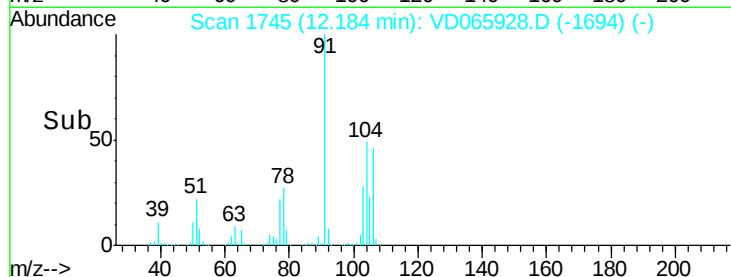
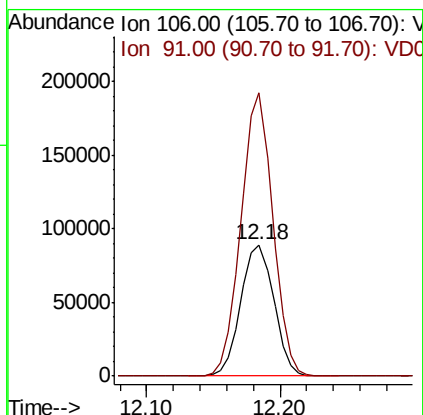
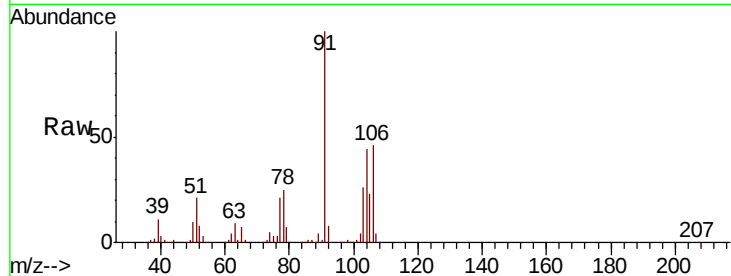




#69
o-Xylene
Concen: 21.125 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

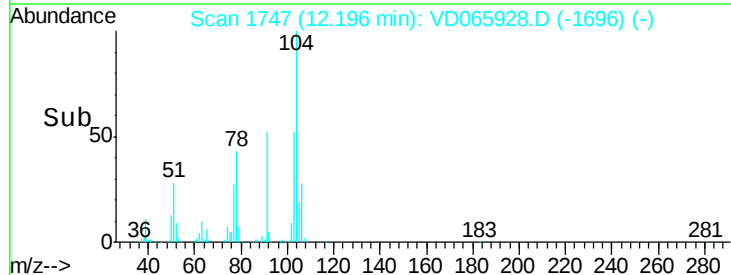
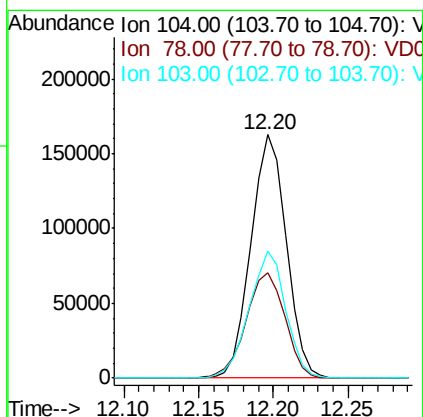
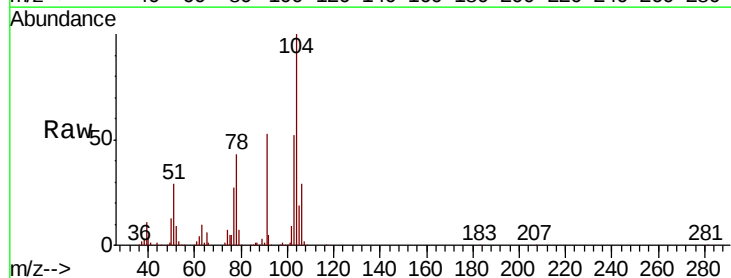
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

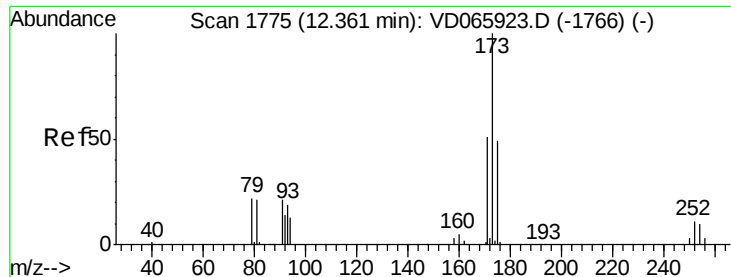
Tot Ion:106 Resp: 153192
Ion Ratio Lower Upper
106 100
91 207.0 104.1 312.2



#70
Styrene
Concen: 21.326 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion:104 Resp: 266964
Ion Ratio Lower Upper
104 100
78 47.7 38.8 58.2
103 53.9 43.6 65.4

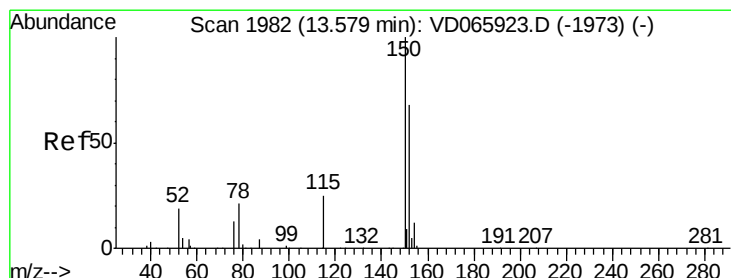
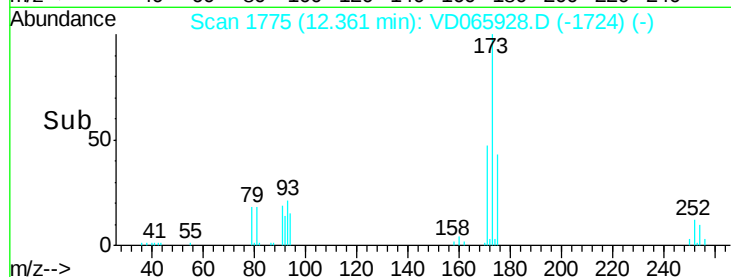
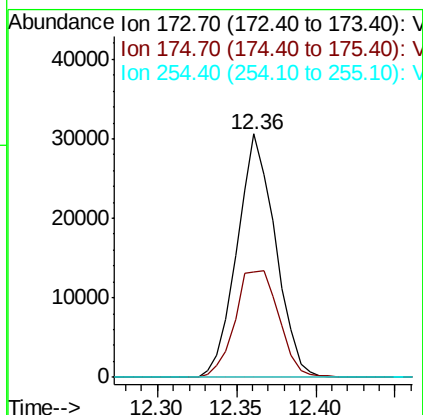
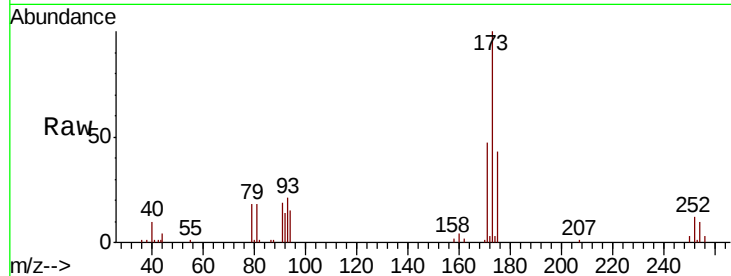




#71
Bromoform
Concen: 20.576 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

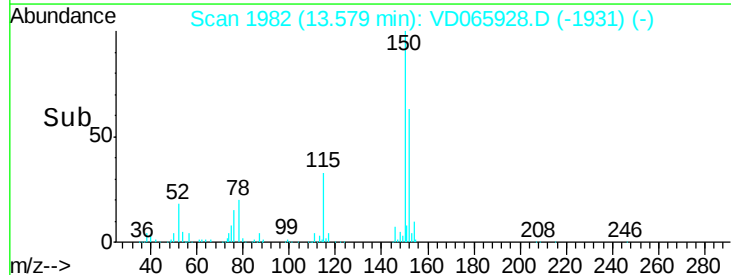
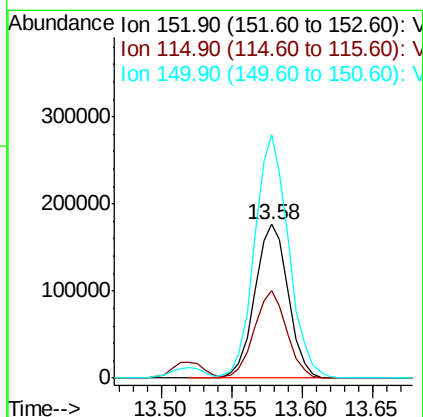
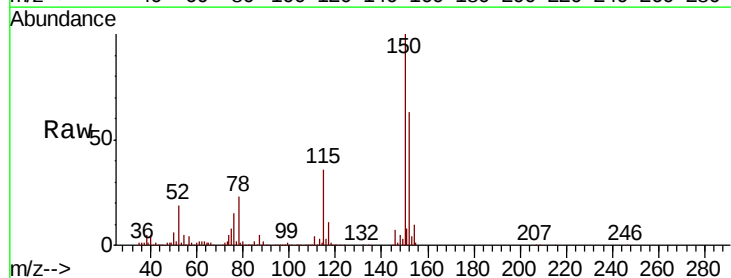
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

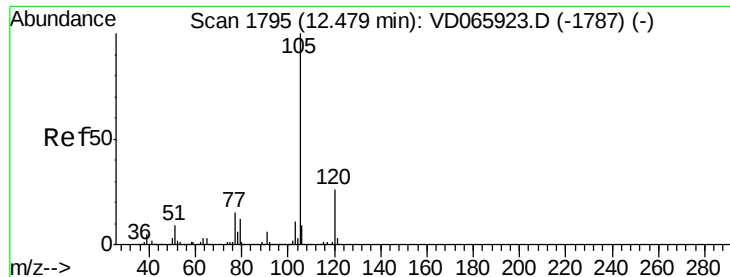
Tot Ion:173 Resp: 51362
Ion Ratio Lower Upper
173 100
175 50.4 24.2 72.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion:152 Resp: 292020
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.3
150 161.9 0.0 347.2





#73

Isopropylbenzene

Concen: 20.265 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

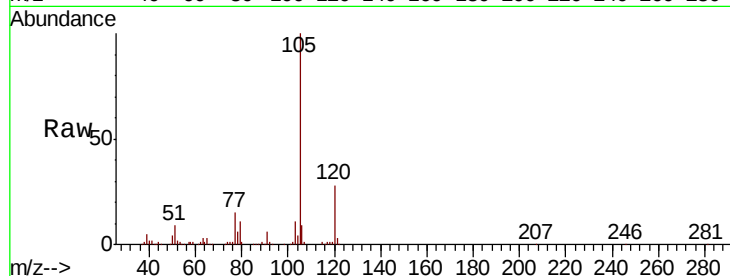
VD0707SBS01

Tot Ion:105 Resp: 413008

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

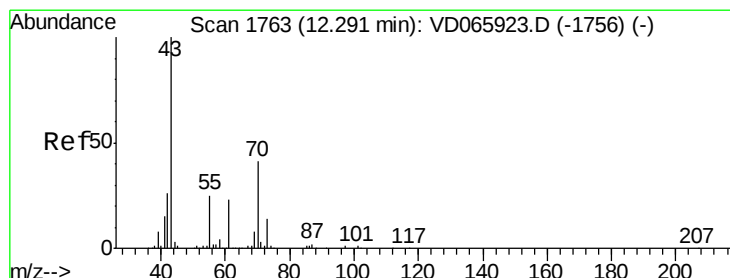
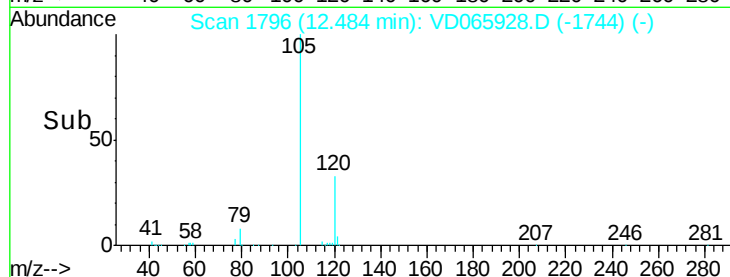
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 20.664 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Tgt Ion: 43 Resp: 94500

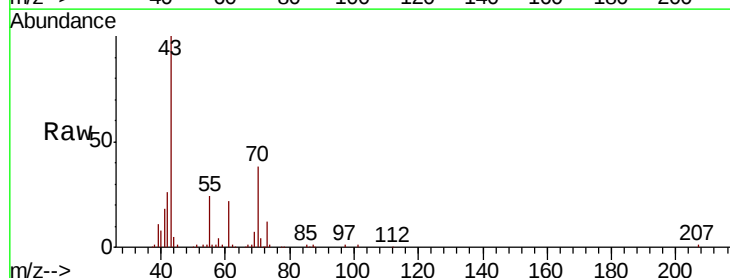
Ion Ratio Lower Upper

43 100

70 40.5 33.6 50.4

55 24.6 20.1 30.1

61 23.0 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

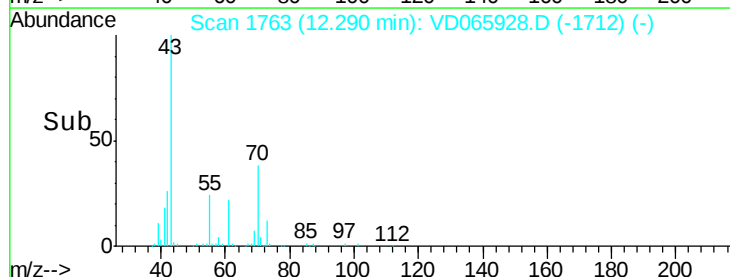
20000

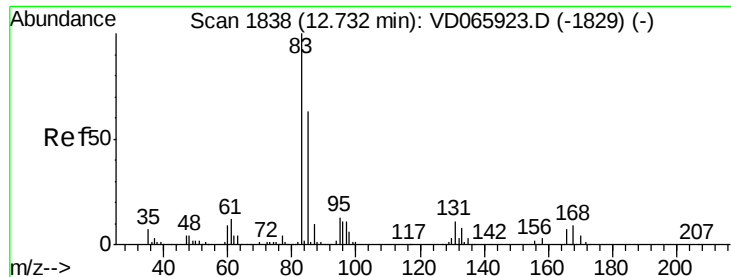
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.633 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

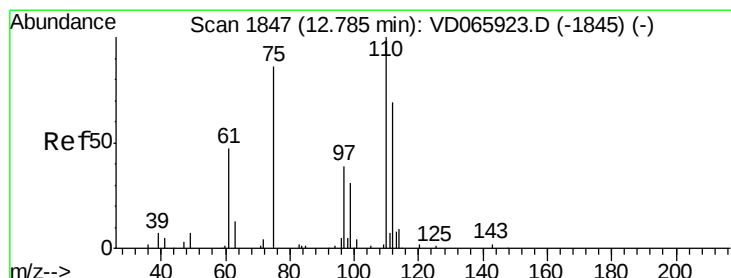
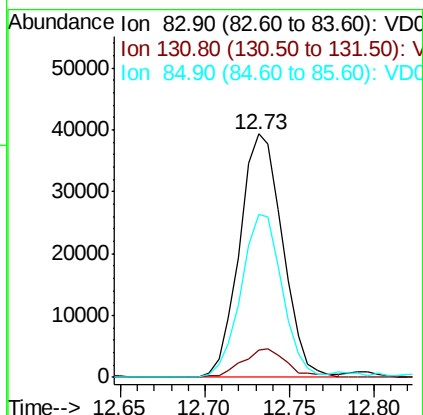
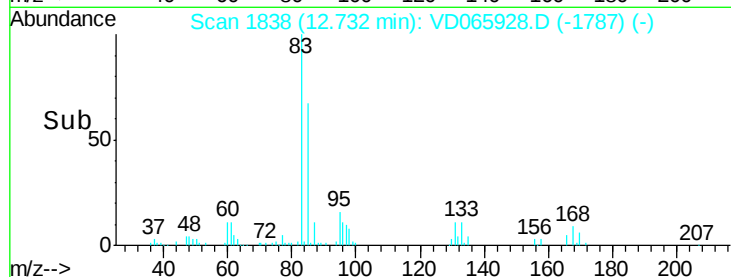
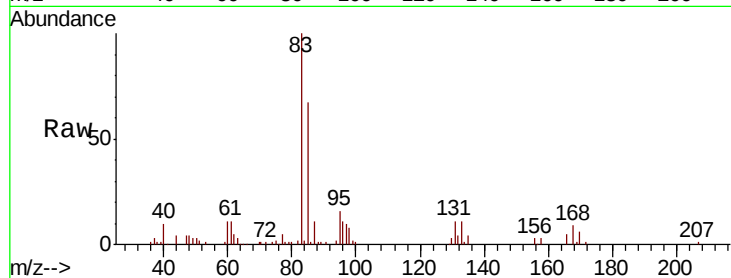
Tot Ion: 83 Resp: 69811

Ion Ratio Lower Upper

83 100

131 12.1 5.6 16.8

85 64.0 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 36.794 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD065928.D

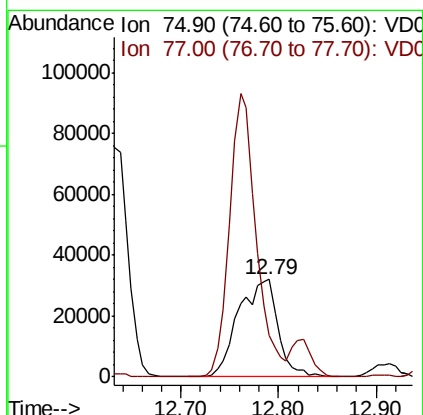
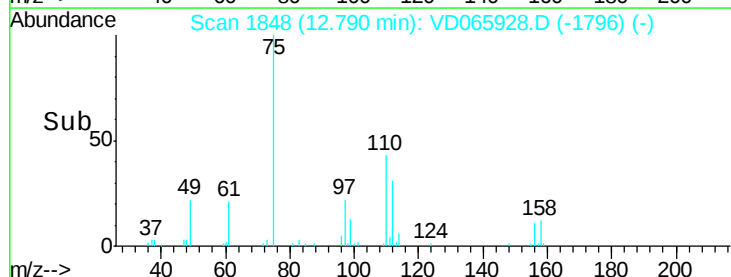
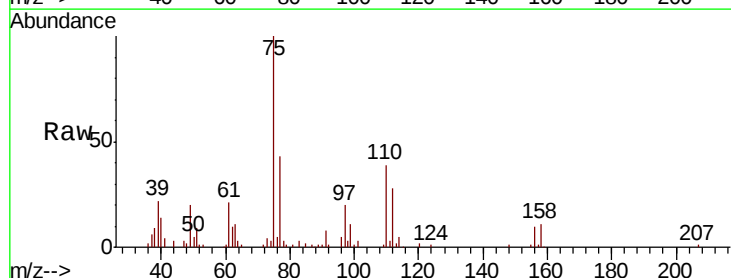
Acq: 07 Jul 2020 18:38

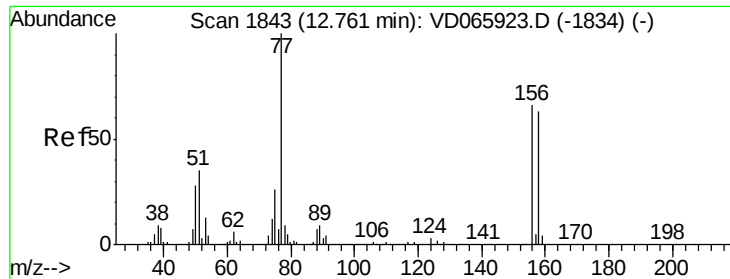
Tgt Ion: 75 Resp: 90132

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.673 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

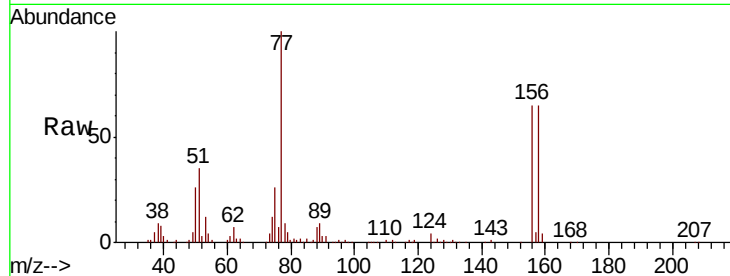
Tot Ion:156 Resp: 102187

Ion Ratio Lower Upper

156 100

77 173.5 85.0 255.0

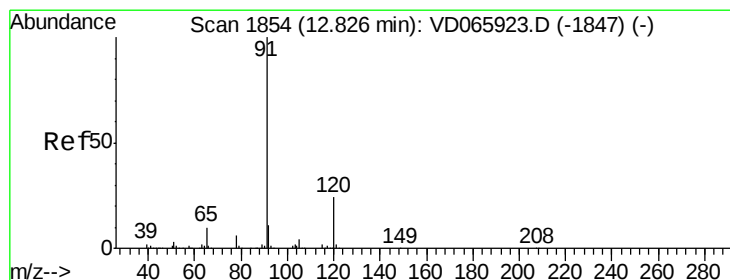
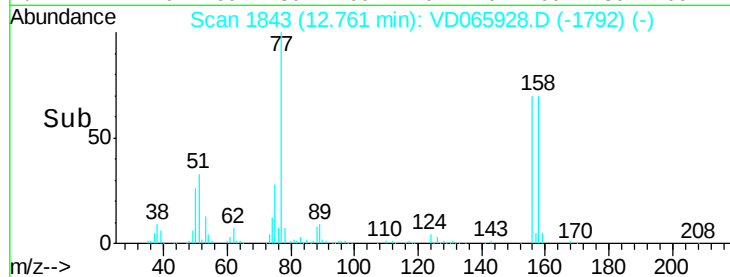
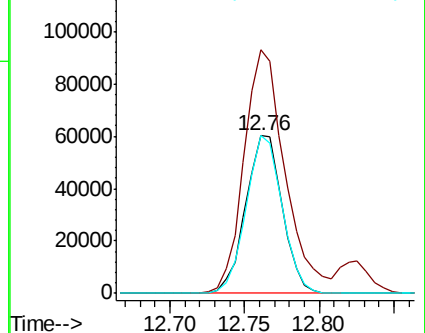
158 97.9 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.553 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065928.D

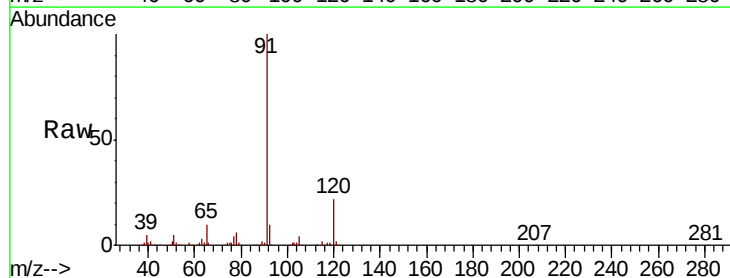
Acq: 07 Jul 2020 18:38

Tgt Ion: 91 Resp: 491090

Ion Ratio Lower Upper

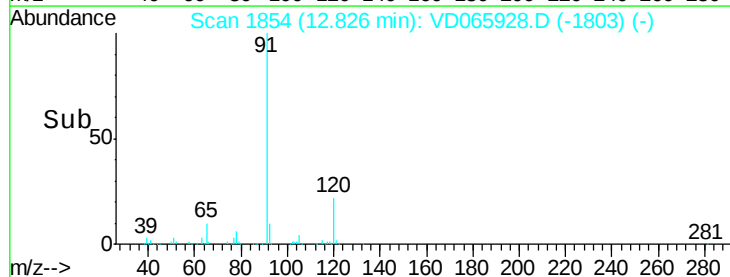
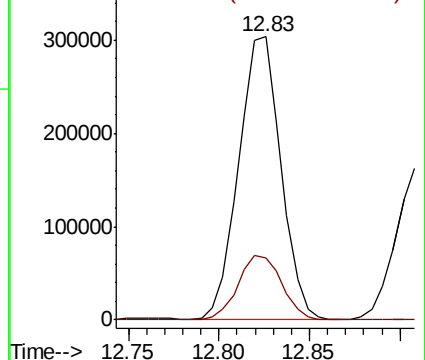
91 100

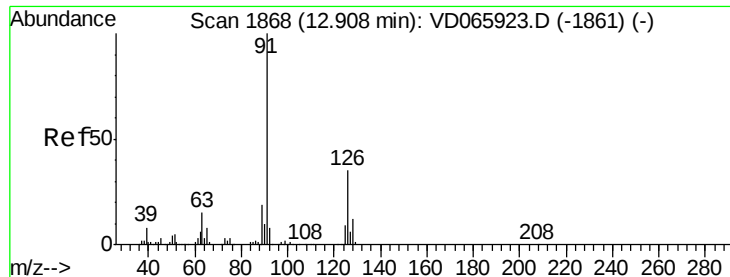
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

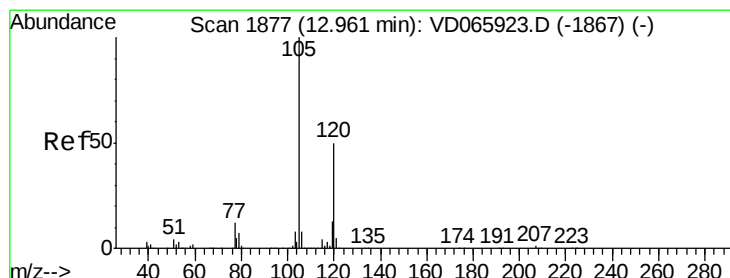
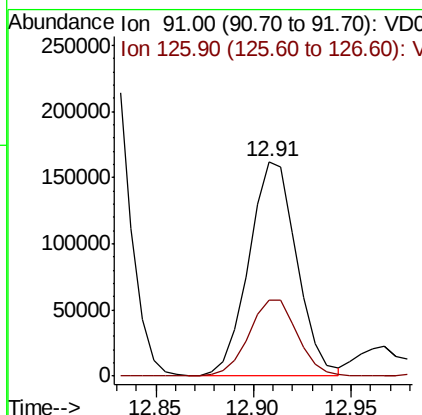
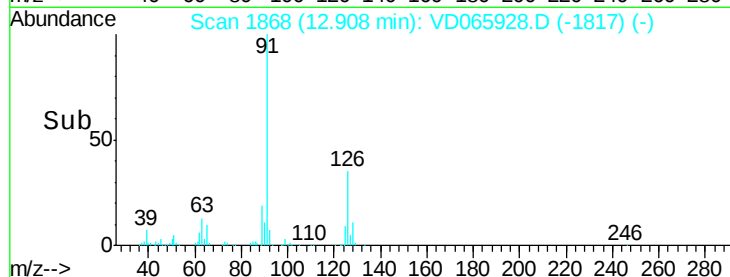
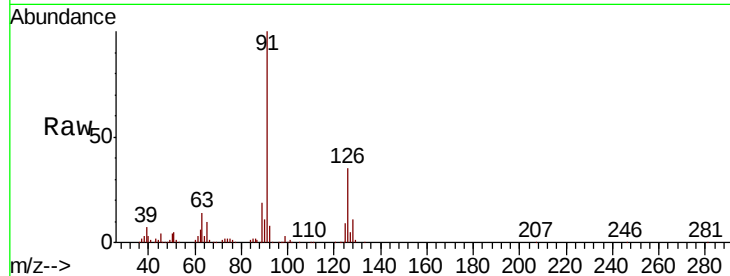




#79
 2-Chlorotoluene
 Concen: 20.324 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

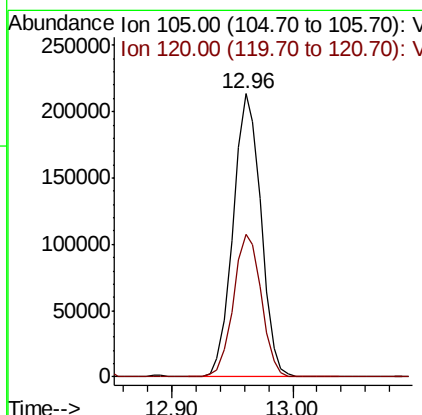
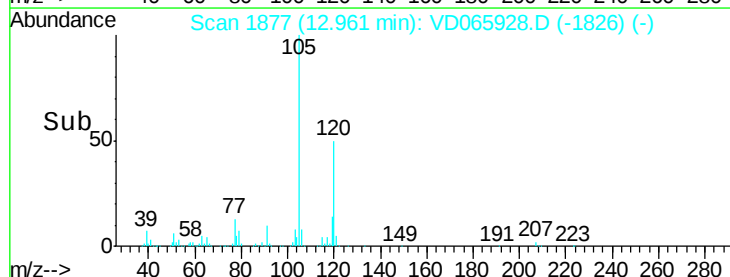
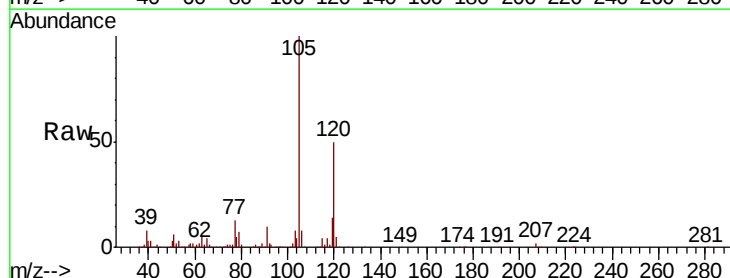
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

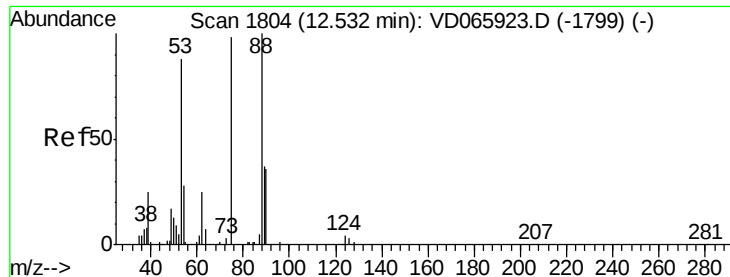
Tot Ion: 91 Resp: 275497
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.584 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Tgt Ion: 105 Resp: 343127
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.605 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

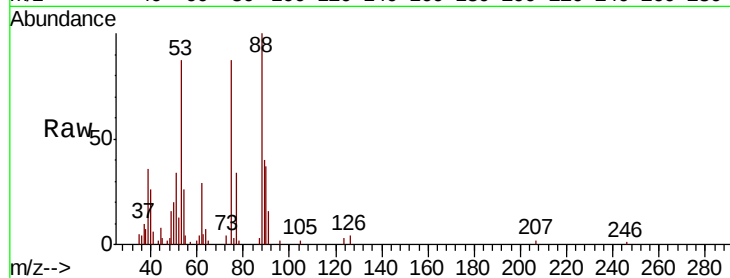
Tot Ion: 75 Resp: 22351

Ion Ratio Lower Upper

75 100

53 96.2 75.8 113.8

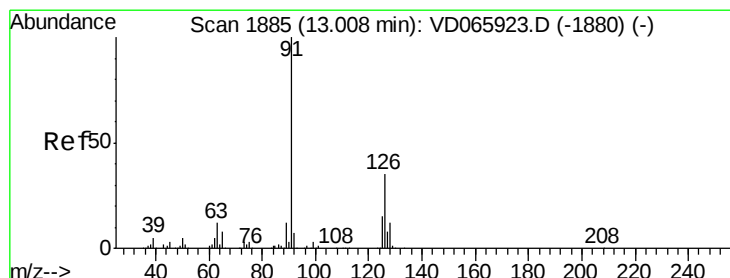
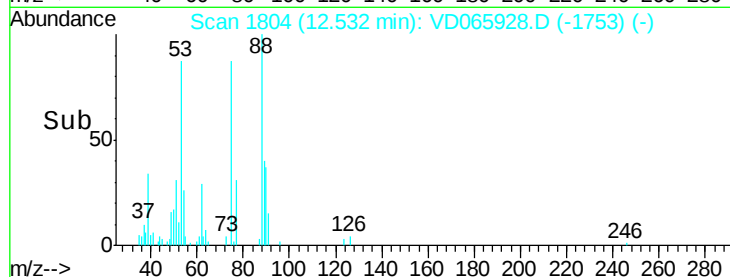
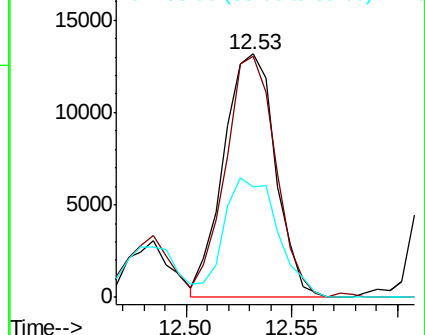
89 51.6 37.5 56.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.604 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065928.D

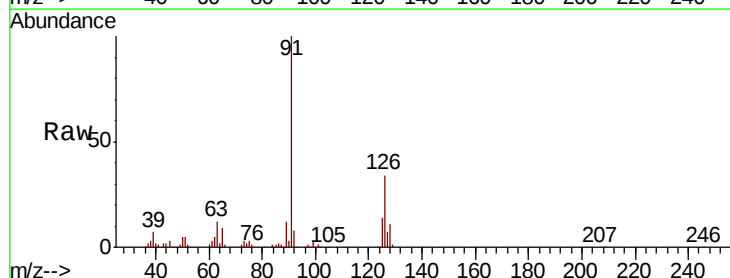
Acq: 07 Jul 2020 18:38

Tgt Ion: 91 Resp: 293022

Ion Ratio Lower Upper

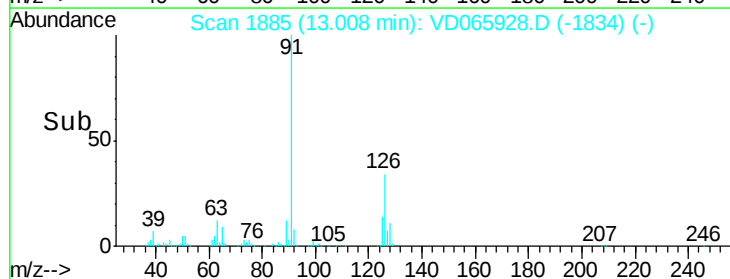
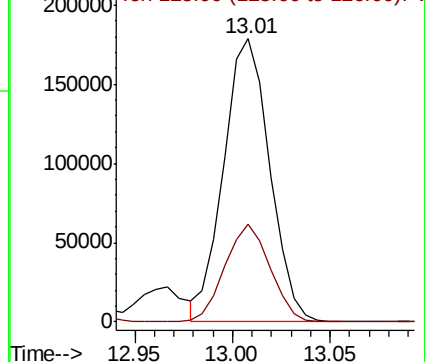
91 100

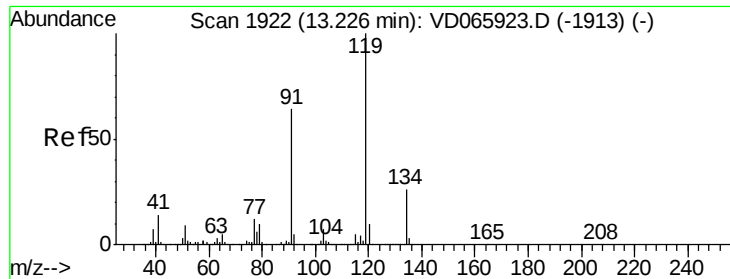
126 33.8 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

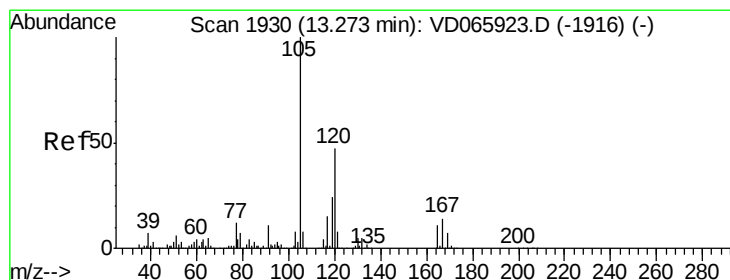
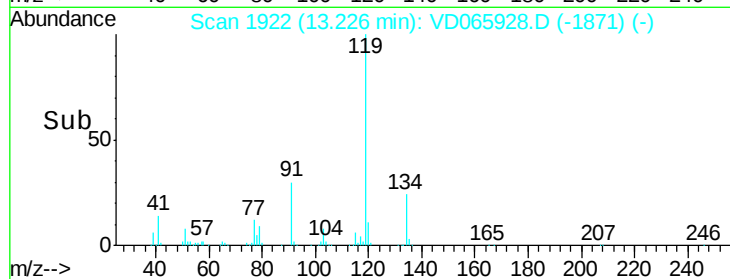
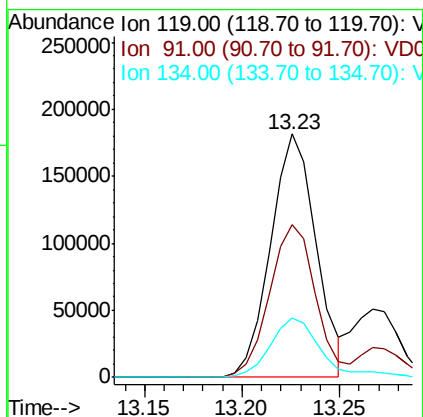
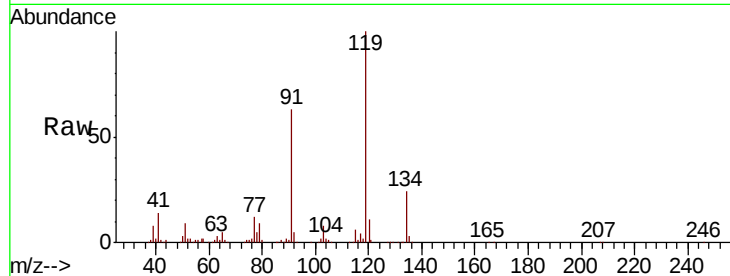




#83
tert-Butylbenzene
Concen: 20.618 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

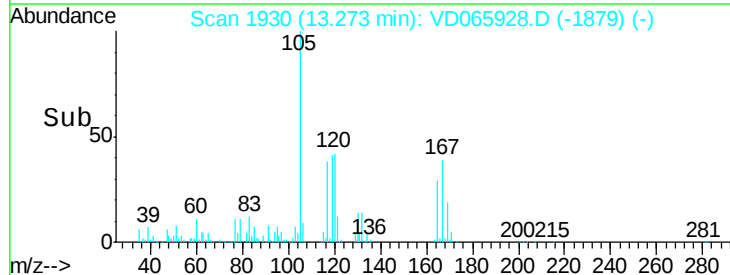
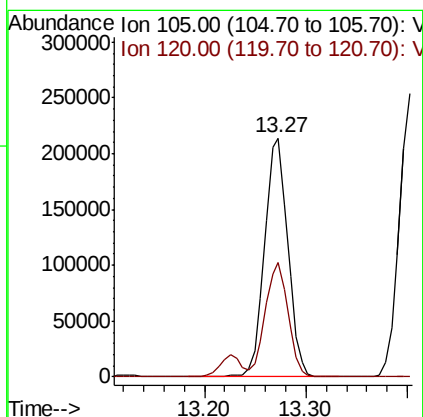
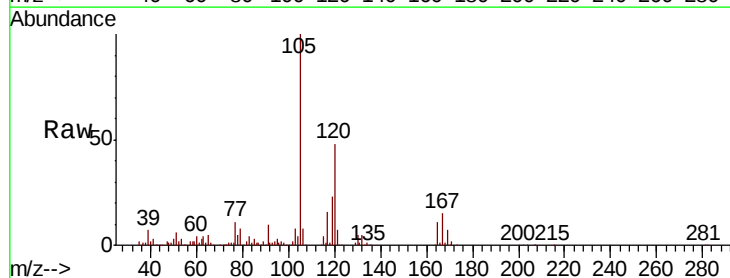
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

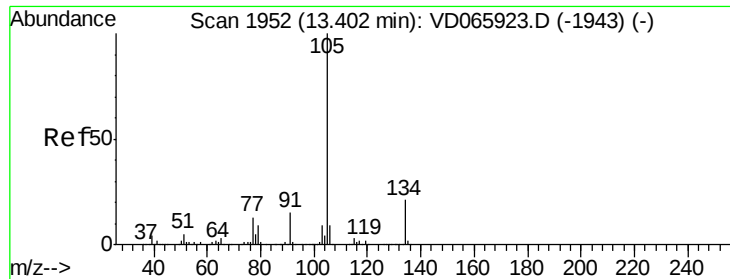
Tot Ion:119 Resp: 292816
Ion Ratio Lower Upper
119 100
91 63.9 32.4 97.2
134 27.2 14.1 42.4



#84
1,2,4-Trimethylbenzene
Concen: 20.595 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion:105 Resp: 341741
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.236 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

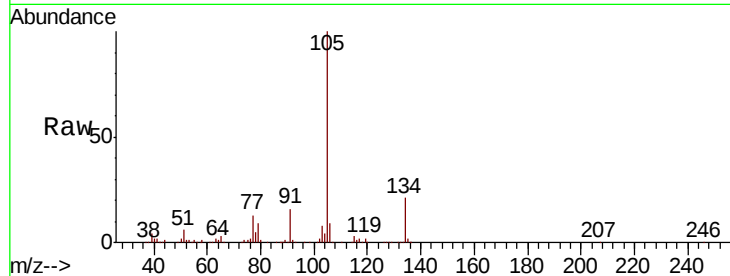
VD0707SBS01

Tot Ion:105 Resp: 407288

Ion Ratio Lower Upper

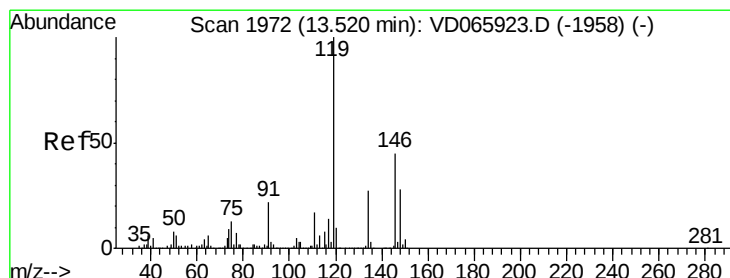
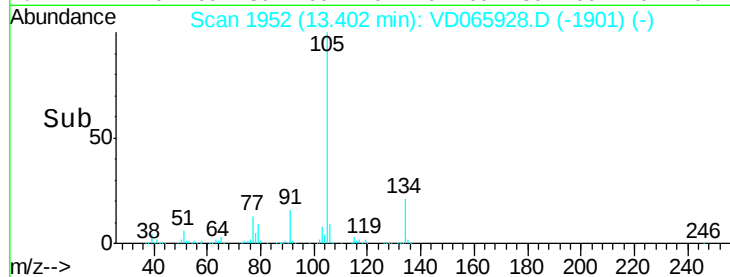
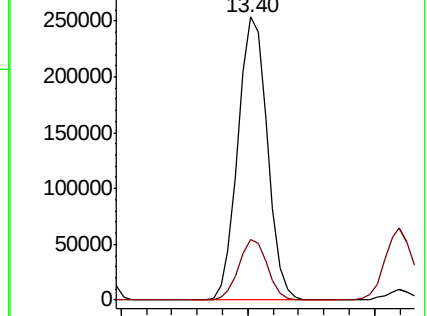
105 100

134 20.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.562 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

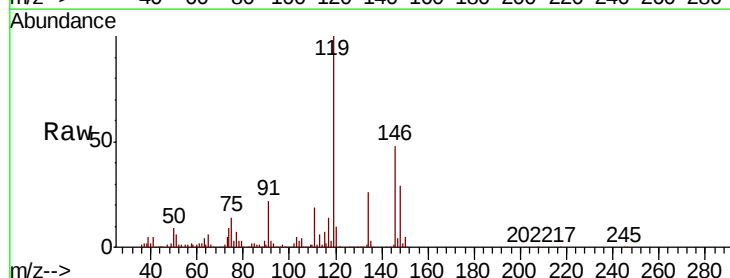
Tgt Ion:119 Resp: 378522

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

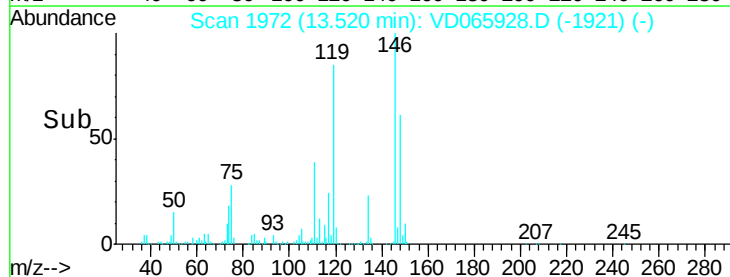
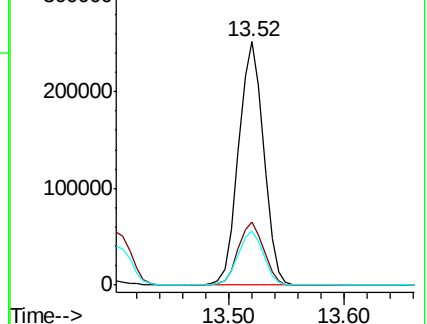
91 22.5 11.3 33.8

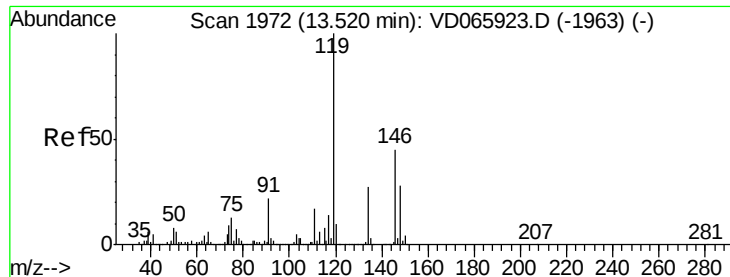


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.856 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

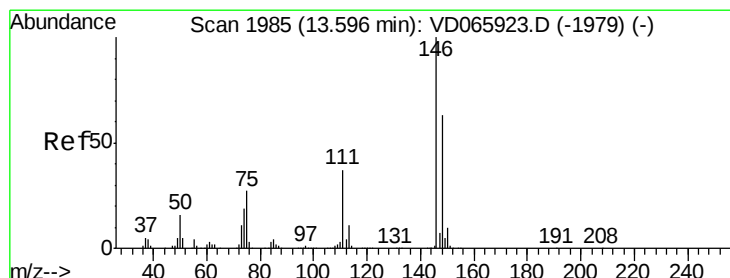
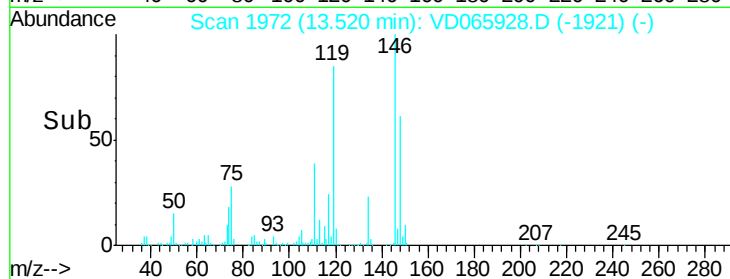
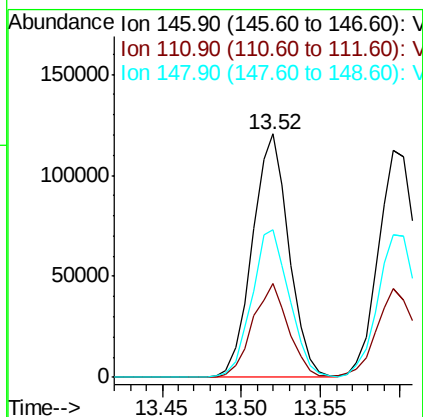
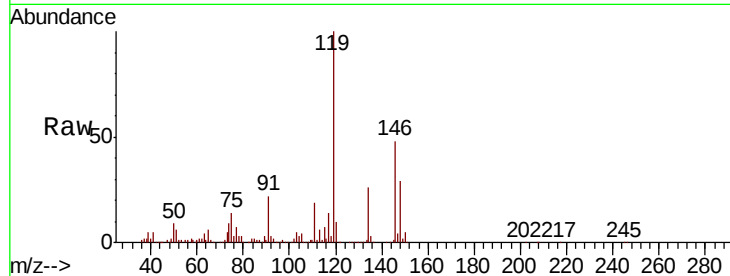
Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

Tot Ion:146 Resp: 192908

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.8
148	62.5	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 20.489 ug/l

RT: 13.60 min Scan# 1985

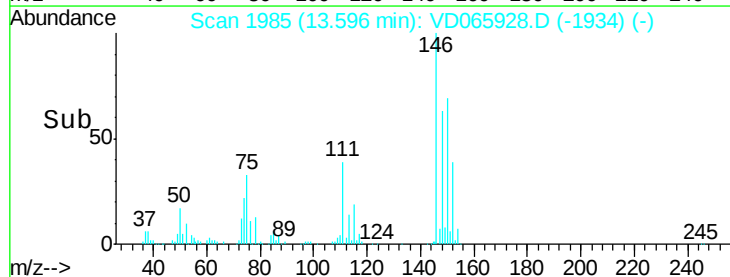
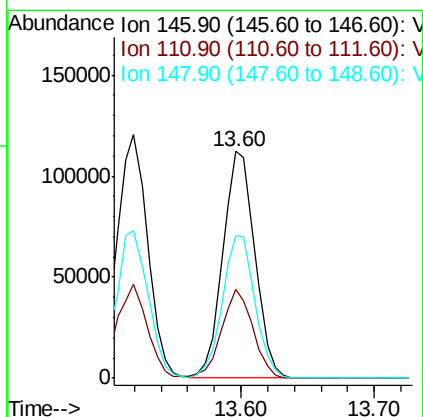
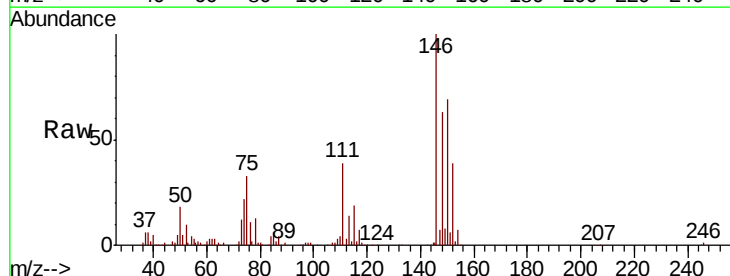
Delta R.T. -0.00 min

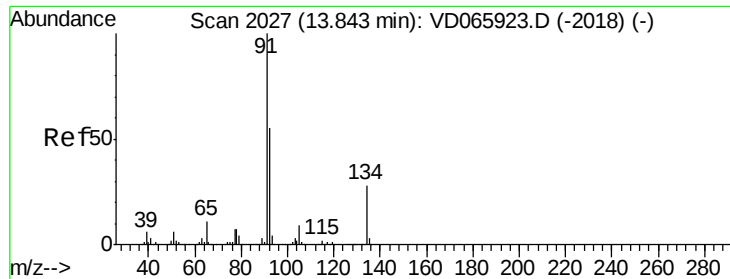
Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Tgt Ion:146 Resp: 189065

Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.7
148	64.0	32.1	96.3

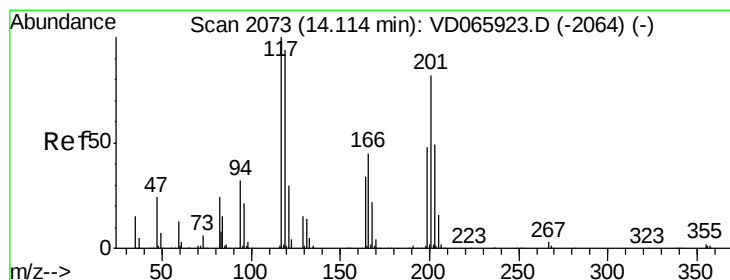
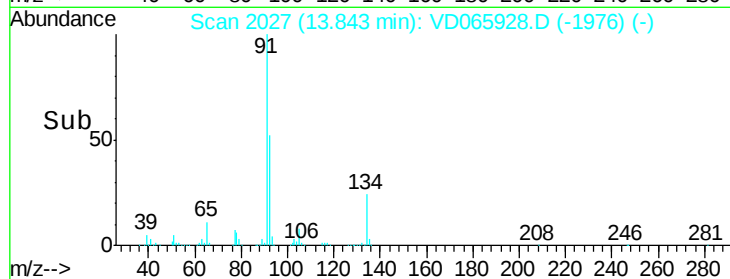
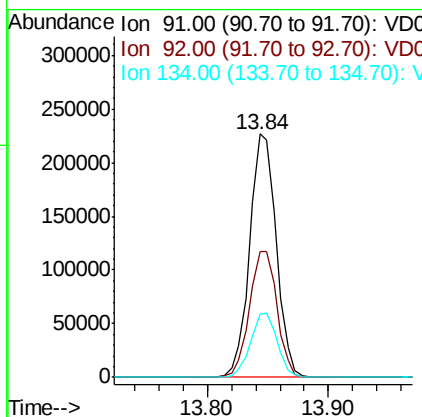
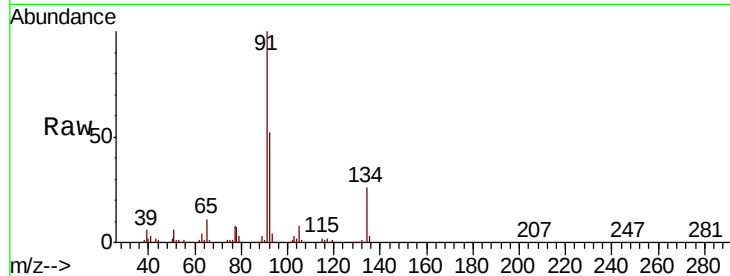




#89
n-Butylbenzene
Concen: 20.215 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

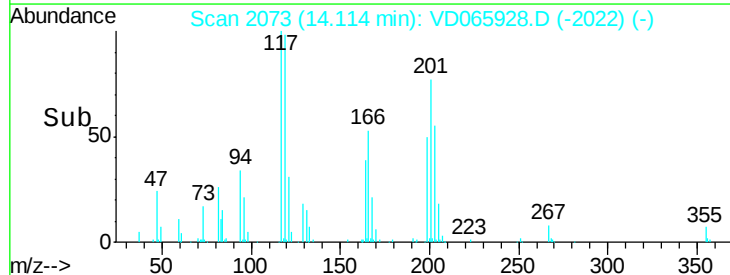
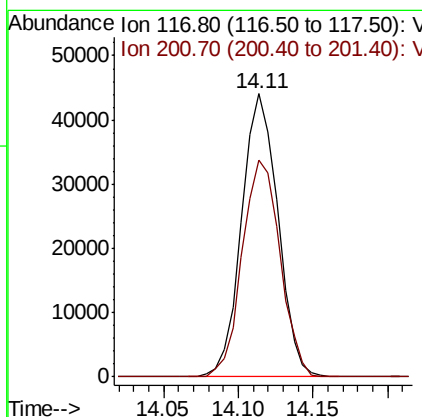
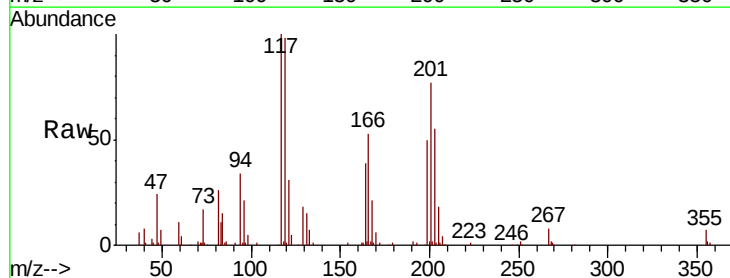
Instrument :
MSVOA_D
ClientSampleId :
VD0707SBS01

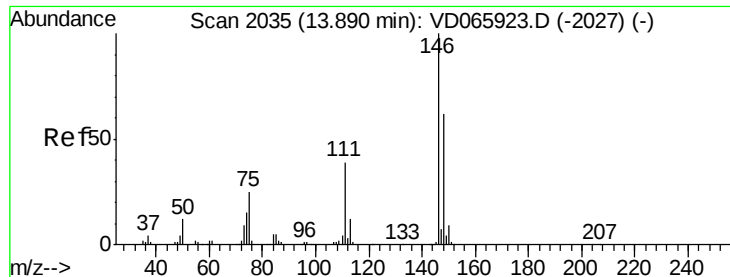
Tot Ion: 91 Resp: 349468
Ion Ratio Lower Upper
91 100
92 53.9 27.2 81.6
134 26.4 13.8 41.3



#90
Hexachloroethane
Concen: 19.938 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065928.D
Acq: 07 Jul 2020 18:38

Tgt Ion: 117 Resp: 74016
Ion Ratio Lower Upper
117 100
201 80.1 40.0 120.0





#91

1,2-Dichlorobenzene

Concen: 20.534 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

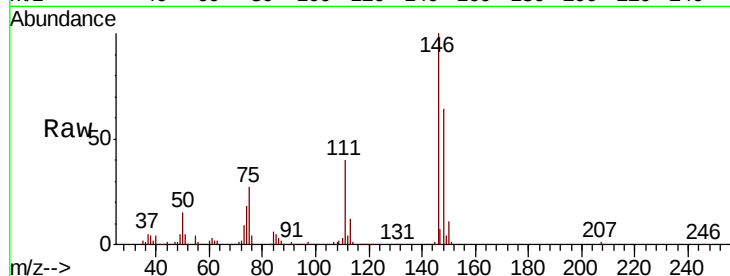
Tot Ion:146 Resp: 166005

Ion Ratio Lower Upper

146 100

111 39.9 19.7 59.0

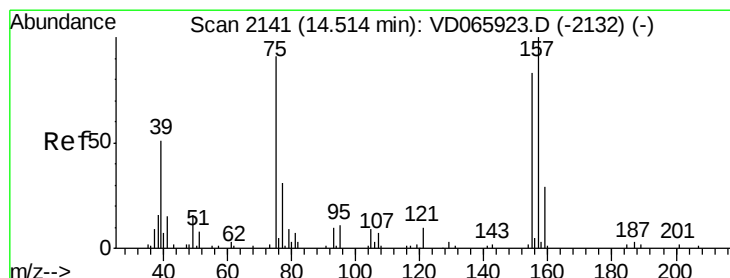
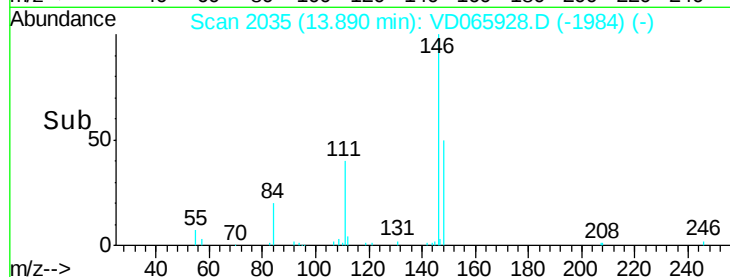
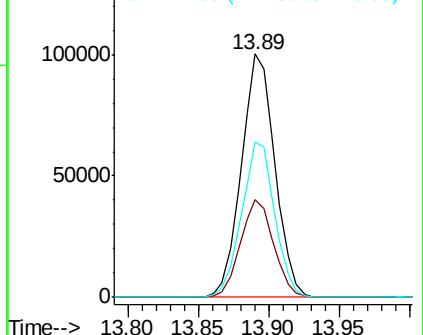
148 63.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.789 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

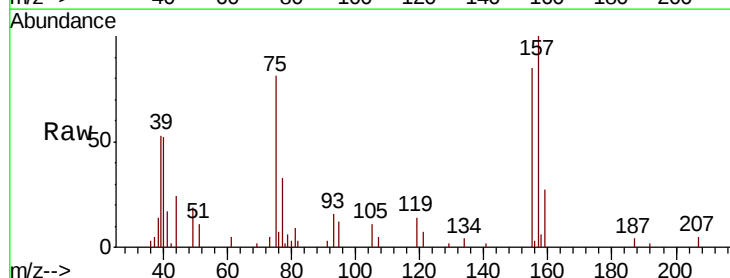
Tgt Ion: 75 Resp: 11196

Ion Ratio Lower Upper

75 100

155 97.2 45.3 135.8

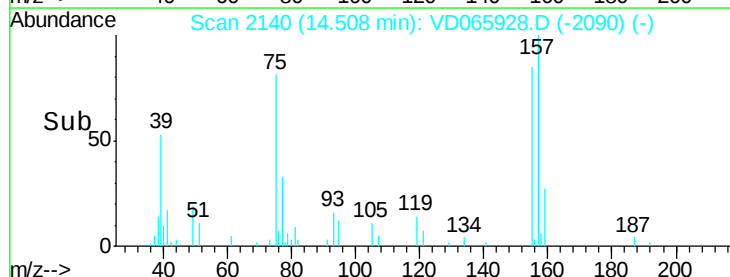
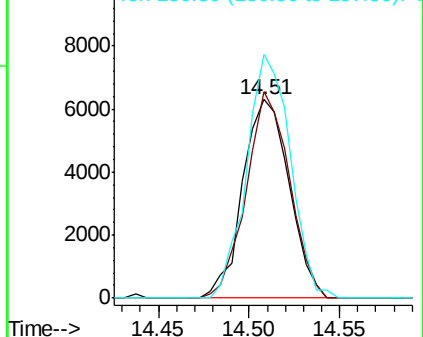
157 115.8 56.9 170.6

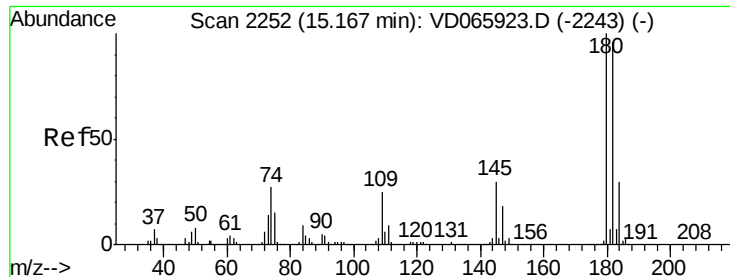


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

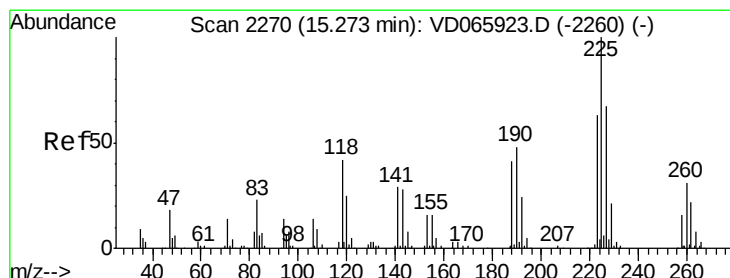
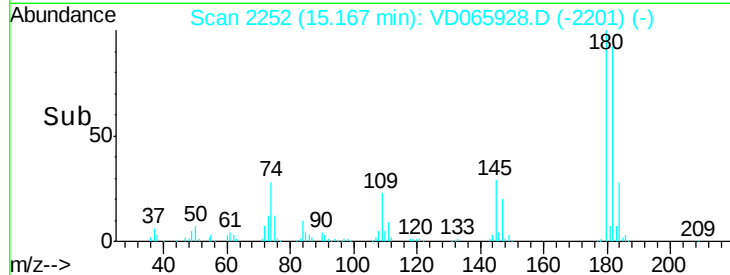
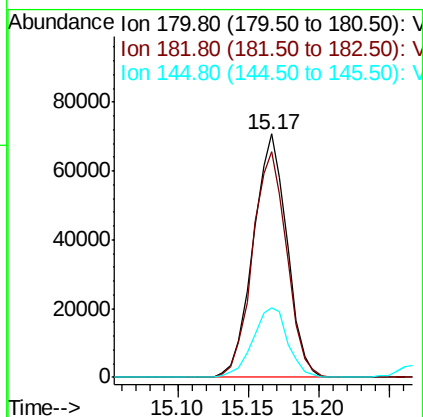
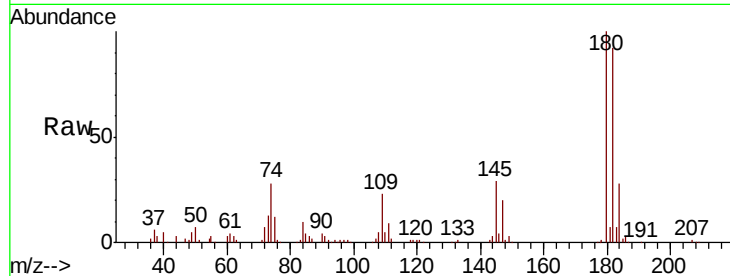




#93
 1,2,4-Trichlorobenzene
 Concen: 20.668 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

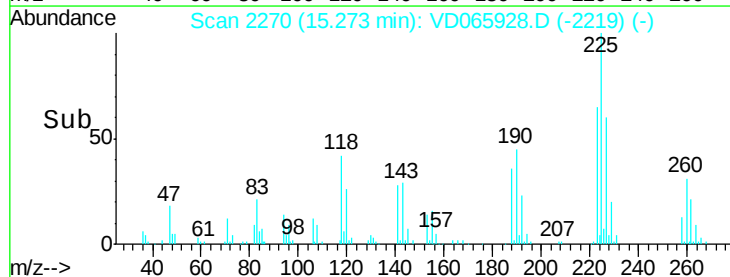
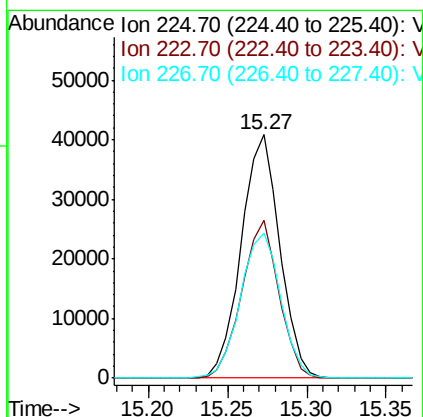
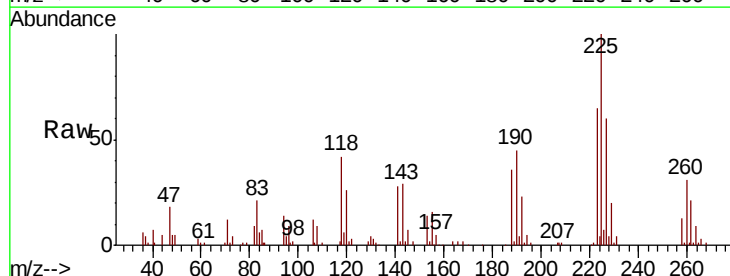
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0707SBS01

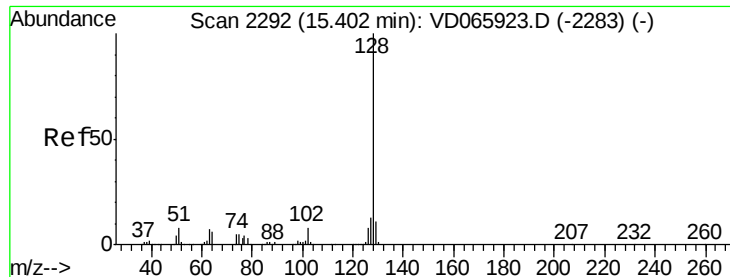
Tot Ion:180 Resp: 119082
 Ion Ratio Lower Upper
 180 100
 182 93.6 48.5 145.6
 145 29.7 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 19.792 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065928.D
 Acq: 07 Jul 2020 18:38

Tgt Ion:225 Resp: 68981
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.2
 227 62.4 31.6 95.0





#95

Naphthalene

Concen: 20.089 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

VD0707SBS01

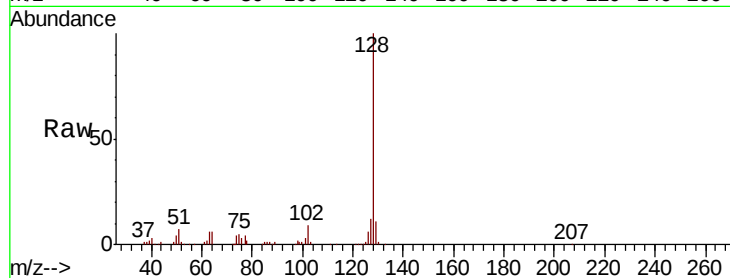
Tot Ion:128 Resp: 194122

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

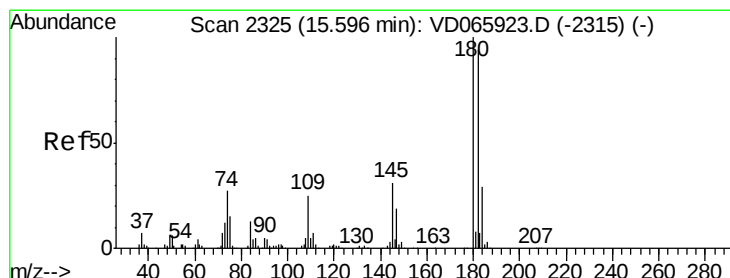
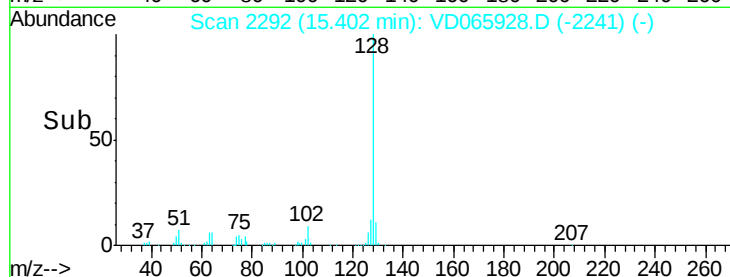
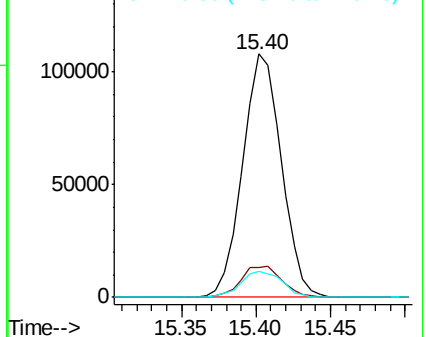
129 11.5 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.023 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VD065928.D

Acq: 07 Jul 2020 18:38

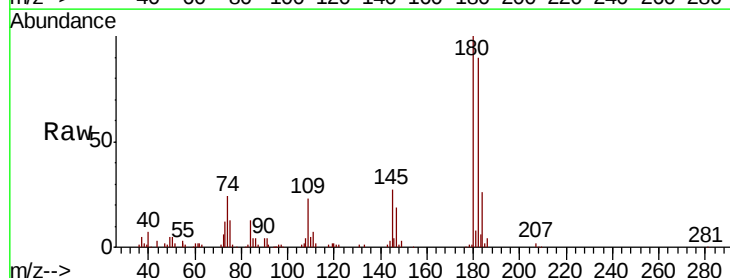
Tgt Ion:180 Resp: 104480

Ion Ratio Lower Upper

180 100

182 94.5 47.6 142.8

145 29.9 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

