

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066598.D
 Acq On : 09 Sep 2020 23:54
 Operator : VA/SY
 Sample : VD0909SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

Quant Time: Sep 10 02:38:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	308596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	547166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	507098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	226086	60.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.10%	
35) Dibromofluoromethane	7.91	113	206127	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
50) Toluene-d8	10.34	98	732294	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
62) 4-Bromofluorobenzene	12.63	95	247260	56.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66640	24.110	ug/l	87
3) Chloromethane	2.21	50	88514	22.681	ug/l	98
4) Vinyl Chloride	2.35	62	98242	22.697	ug/l	95
5) Bromomethane	2.76	94	72851	24.282	ug/l	91
6) Chloroethane	2.91	64	64376	23.415	ug/l	95
7) Trichlorofluoromethane	3.27	101	142369	22.265	ug/l	97
8) Diethyl Ether	3.71	74	36315	22.553	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	74485	21.523	ug/l	100
10) Methyl Iodide	4.30	142	62413	22.204	ug/l	99
11) Tert butyl alcohol	5.21	59	31645	110.085	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	69120	22.231	ug/l	98
13) Acrolein	3.91	56	13997	91.684	ug/l	91
14) Allyl chloride	4.71	41	114399	22.451	ug/l	97
15) Acrylonitrile	5.42	53	79065	114.306	ug/l	99
16) Acetone	4.16	43	67810	98.705	ug/l	97
17) Carbon Disulfide	4.41	76	225143	22.027	ug/l	97
18) Methyl Acetate	4.71	43	40713	24.860	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	168145	23.062	ug/l	94
20) Methylene Chloride	4.96	84	109957	26.222	ug/l	87
21) trans-1,2-Dichloroethene	5.47	96	82803	22.427	ug/l	99
22) Diisopropyl ether	6.36	45	250647	23.920	ug/l	96
23) Vinyl Acetate	6.30	43	695544	116.644	ug/l	99
24) 1,1-Dichloroethane	6.26	63	151526	22.995	ug/l	97
25) 2-Butanone	7.21	43	100888	109.398	ug/l	98
26) 2,2-Dichloropropane	7.21	77	123691	20.464	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	91882	23.142	ug/l	99
28) Bromochloromethane	7.54	49	54975	21.670	ug/l	98
29) Tetrahydrofuran	7.56	42	67308	117.191	ug/l	98
30) Chloroform	7.71	83	166112	23.828	ug/l	98
31) Cyclohexane	7.98	56	124850	20.497	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	144408	22.033	ug/l	100
36) 1,1-Dichloropropene	8.11	75	117148	20.573	ug/l	98
37) Ethyl Acetate	7.28	43	47362	20.888	ug/l	98
38) Carbon Tetrachloride	8.09	117	123242	20.476	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	123137	19.365	ug/l	95
40) Benzene	8.34	78	335089	21.486	ug/l	99
41) Methacrylonitrile	7.56	41	69874	63.661	ug/l #	45
42) 1,2-Dichloroethane	8.42	62	109065	21.584	ug/l	99
43) Isopropyl Acetate	8.44	43	94702	21.794	ug/l	99
44) Trichloroethene	9.11	130	86419	21.125	ug/l	92
45) 1,2-Dichloropropane	9.38	63	84942	21.658	ug/l	94
46) Dibromomethane	9.47	93	47265	21.844	ug/l	97
47) Bromodichloromethane	9.66	83	127982	21.862	ug/l	97
48) Methyl methacrylate	9.45	41	40663	18.506	ug/l	88
49) 1,4-Dioxane	9.46	88	10563	444.971	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	245844	112.182	ug/l	97
52) Toluene	10.40	92	211701	21.444	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	109959	21.277	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	129688	20.897	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	60221	21.646	ug/l	95
56) Ethyl methacrylate	10.66	69	69353	21.410	ug/l	92
57) 1,3-Dichloropropane	10.94	76	106389	21.832	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	187361	126.454	ug/l	99
59) 2-Hexanone	10.98	43	156751	106.364	ug/l	100
60) Dibromochloromethane	11.14	129	82518	22.430	ug/l	97
61) 1,2-Dibromoethane	11.24	107	59315	21.914	ug/l	98
64) Tetrachloroethene	10.87	164	68696	20.120	ug/l	91
65) Chlorobenzene	11.67	112	219233	20.947	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	83023	20.785	ug/l	97
67) Ethyl Benzene	11.74	91	387750	20.177	ug/l	100
68) m/p-Xylenes	11.85	106	296771	41.590	ug/l	97
69) o-Xylene	12.18	106	132439	20.710	ug/l	98
70) Styrene	12.20	104	234045	21.052	ug/l	98
71) Bromoform	12.36	173	42811	21.267	ug/l #	96
73) Isopropylbenzene	12.48	105	360344	21.262	ug/l	100
74) N-amyl acetate	12.28	43	79442	20.696	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	68318	22.817	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	88284	40.103	ug/l #	100
77) Bromobenzene	12.76	156	82737	21.897	ug/l	99
78) n-propylbenzene	12.82	91	444531	21.637	ug/l	99
79) 2-Chlorotoluene	12.91	91	254842	22.111	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	308664	21.639	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	19277	20.443	ug/l	98
82) 4-Chlorotoluene	13.00	91	268839	21.812	ug/l	100
83) tert-Butylbenzene	13.23	119	253902	21.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	308756	21.740	ug/l	97
85) sec-Butylbenzene	13.40	105	358935	21.388	ug/l	98
86) p-Isopropyltoluene	13.52	119	320068	21.189	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	162516	21.665	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	160259	21.286	ug/l	97
89) n-Butylbenzene	13.84	91	288698	19.613	ug/l	99
90) Hexachloroethane	14.11	117	69104	21.232	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	141331	21.556	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10354	20.357	ug/l	94

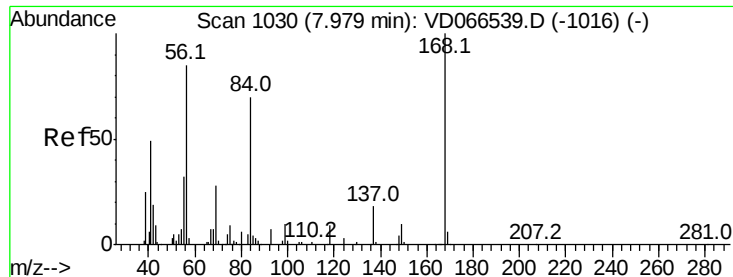
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090920\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81776	20.782	ug/l	99
94) Hexachlorobutadiene	15.27	225	48301	20.432	ug/l	98
95) Naphthalene	15.41	128	155087	22.555	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	74299	22.148	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

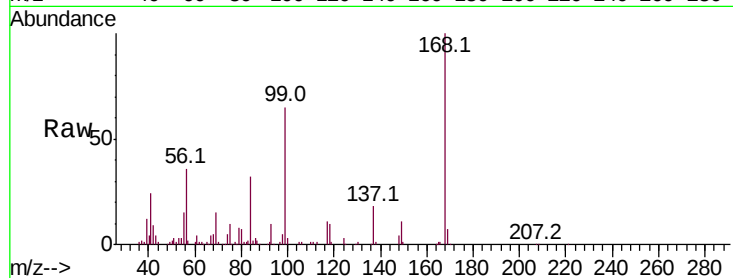
VD0909SBS02

Tot Ion:168 Resp: 308596

Ion Ratio Lower Upper

168 100

99 64.5 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

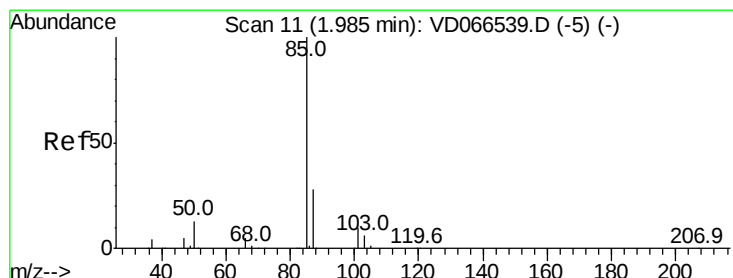
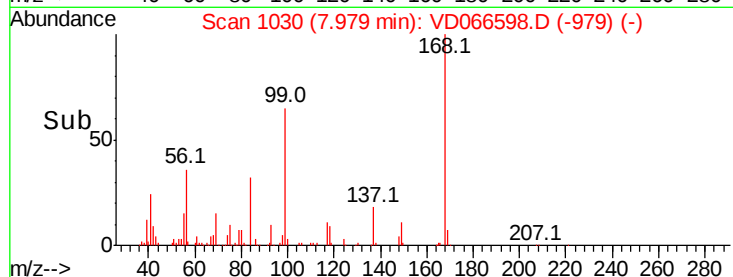
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.110 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066598.D

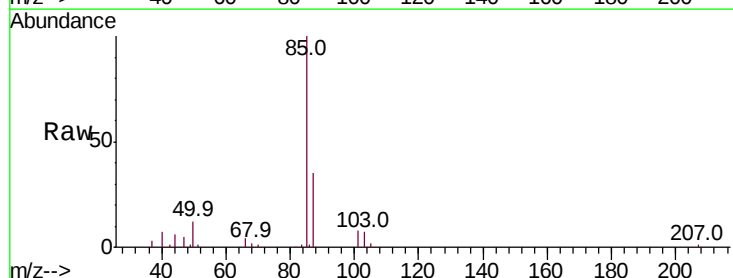
Acq: 09 Sep 2020 23:54

Tgt Ion: 85 Resp: 66640

Ion Ratio Lower Upper

85 100

87 35.3 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

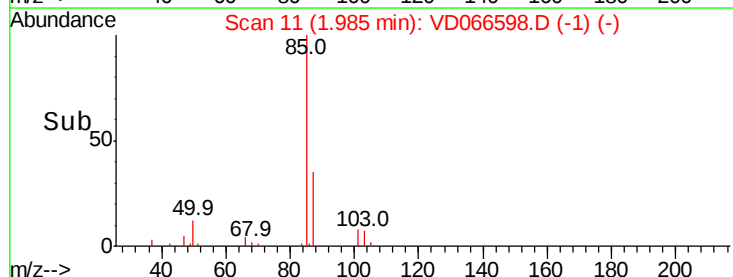
20000

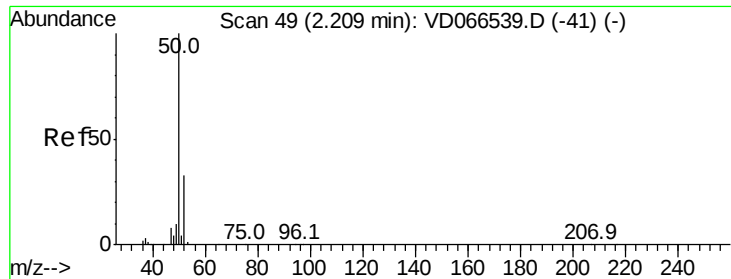
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.681 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

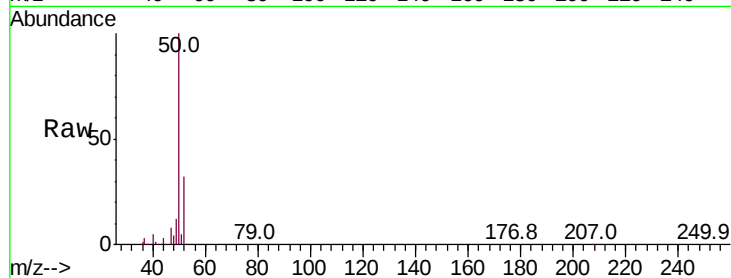
VD0909SBS02

Tot Ion: 50 Resp: 88514

Ion Ratio Lower Upper

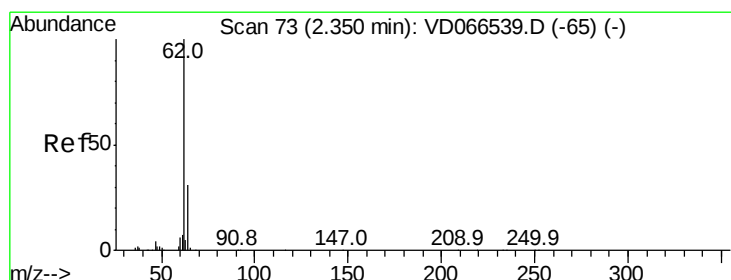
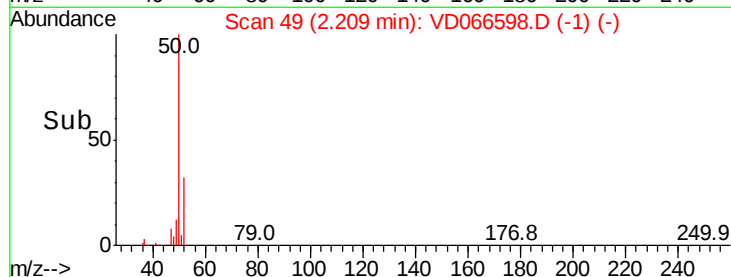
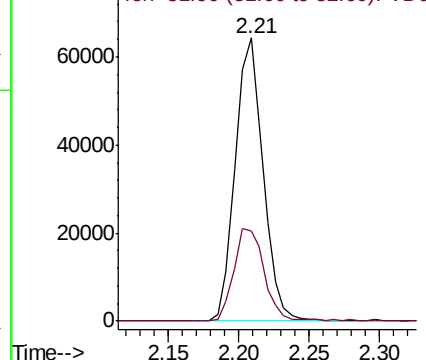
50 100

52 31.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.697 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066598.D

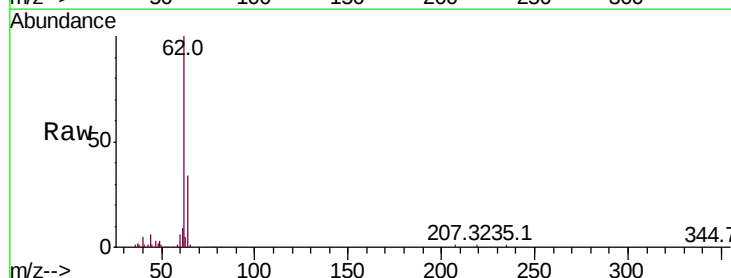
Acq: 09 Sep 2020 23:54

Tgt Ion: 62 Resp: 98242

Ion Ratio Lower Upper

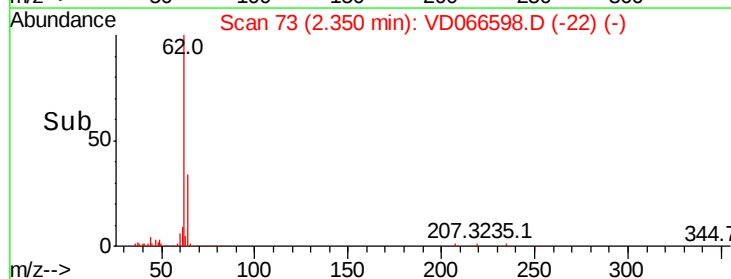
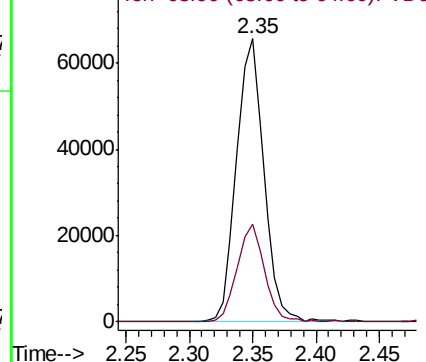
62 100

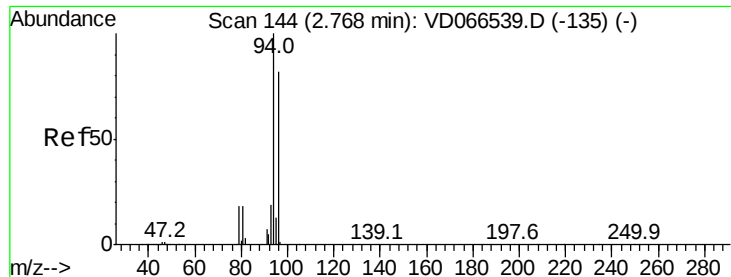
64 34.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 24.282 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

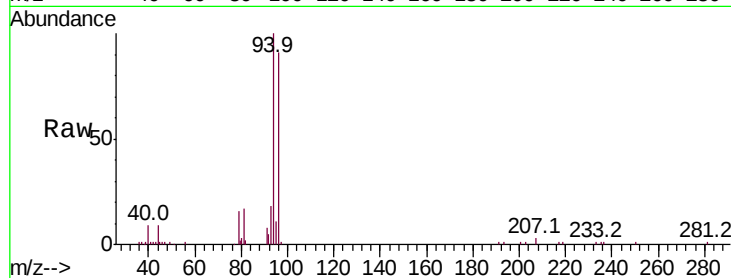
VD0909SBS02

Tot Ion: 94 Resp: 72851

Ion Ratio Lower Upper

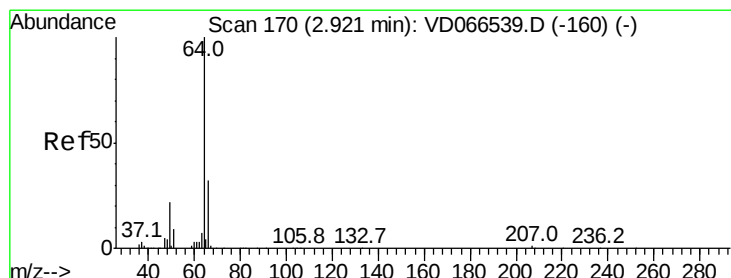
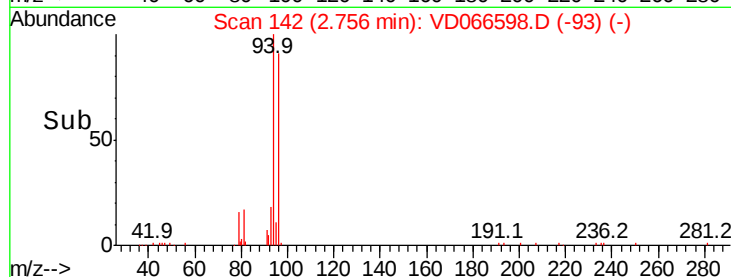
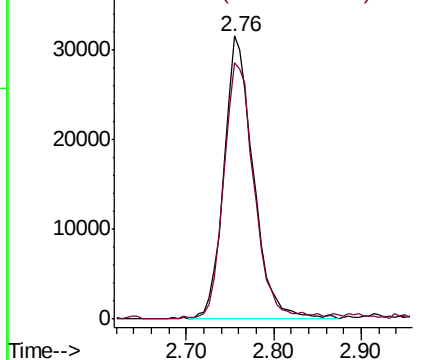
94 100

96 89.9 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.415 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066598.D

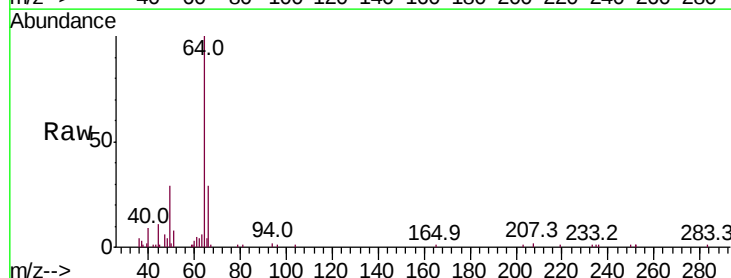
Acq: 09 Sep 2020 23:54

Tgt Ion: 64 Resp: 64376

Ion Ratio Lower Upper

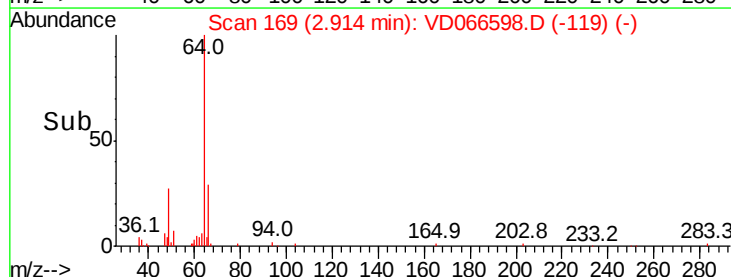
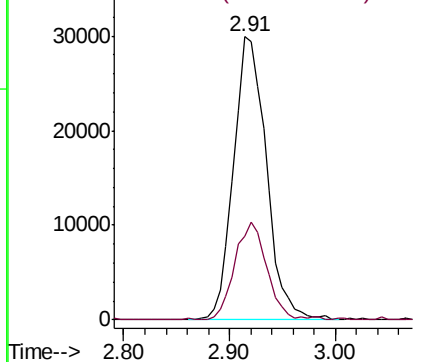
64 100

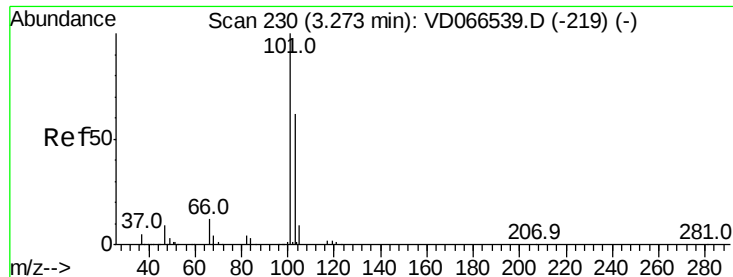
66 28.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



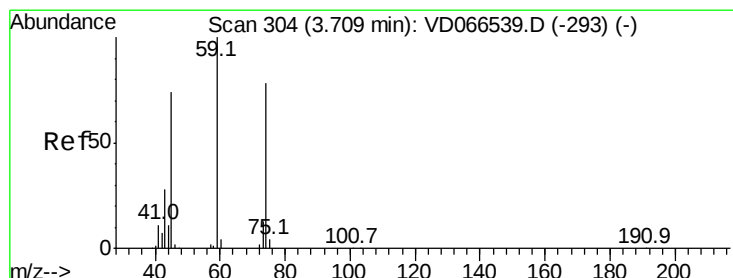
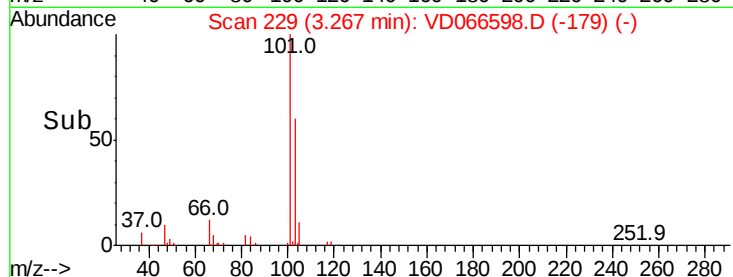
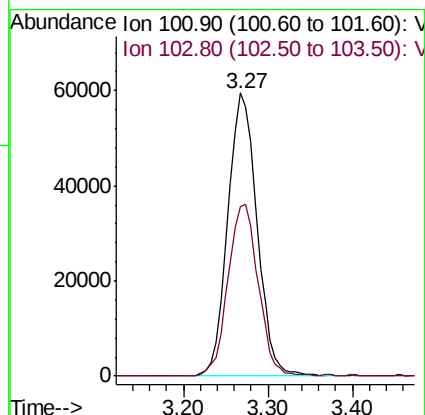
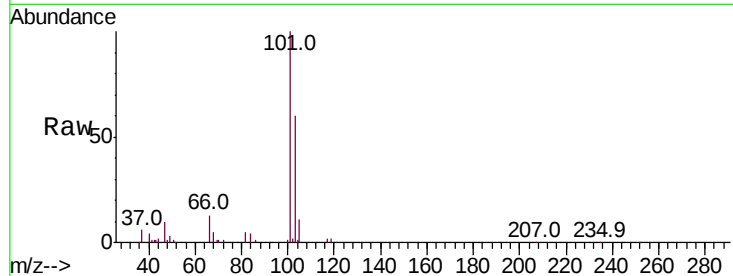


#7

Trichlorofluoromethane
 Concen: 22.265 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

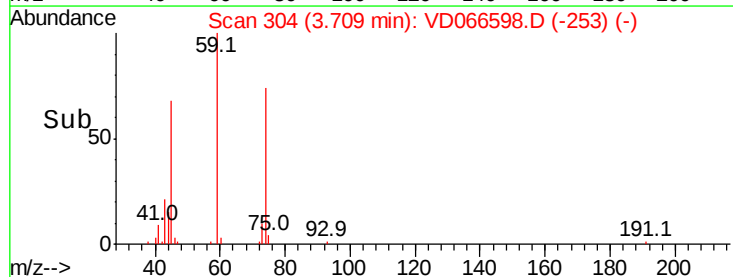
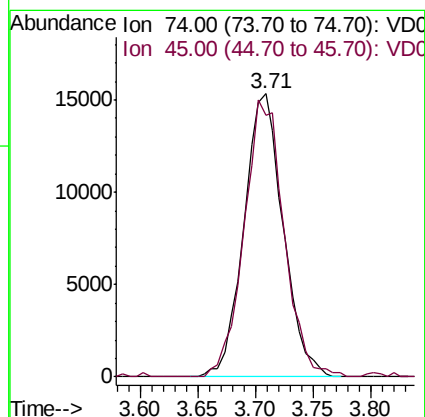
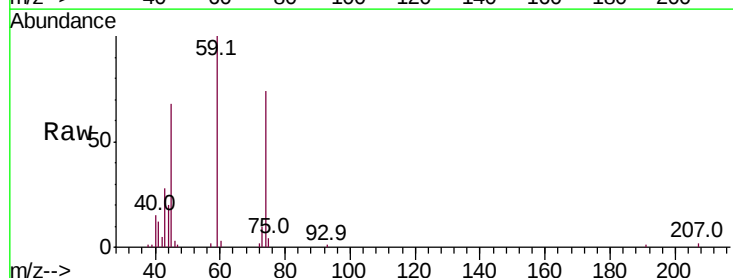
Tot Ion:101 Resp: 142369
 Ion Ratio Lower Upper
 101 100
 103 60.0 49.7 74.5

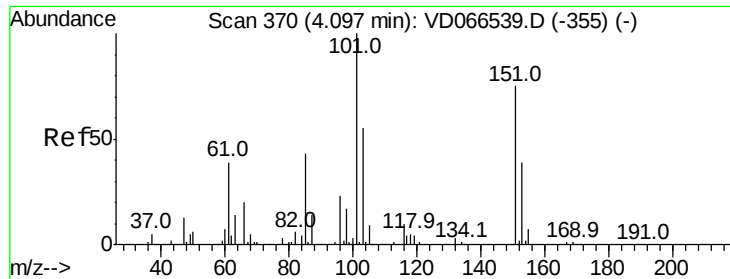


#8

Diethyl Ether
 Concen: 22.553 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion: 74 Resp: 36315
 Ion Ratio Lower Upper
 74 100
 45 99.4 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.523 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS02

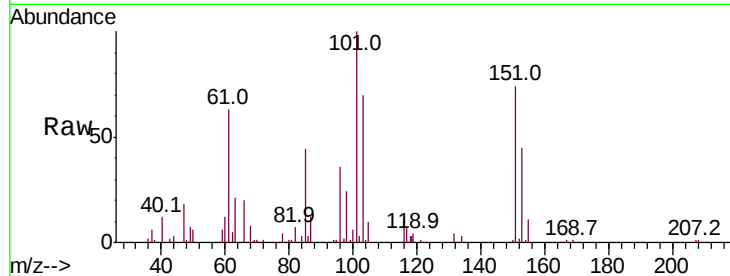
Tot Ion:101 Resp: 74485

Ion Ratio Lower Upper

101 100

85 46.8 37.0 55.6

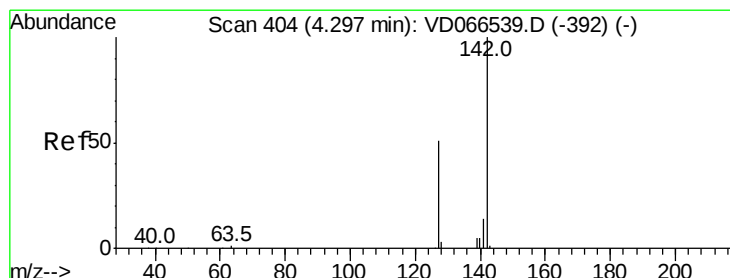
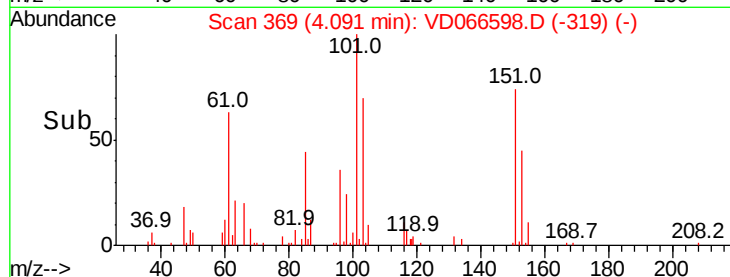
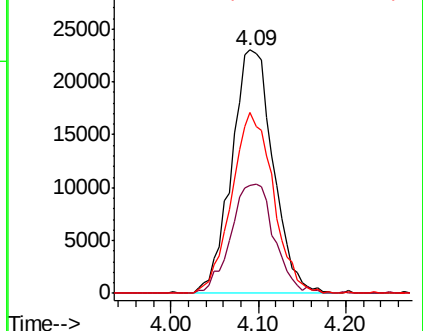
151 74.3 59.4 89.2



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: 22.204 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

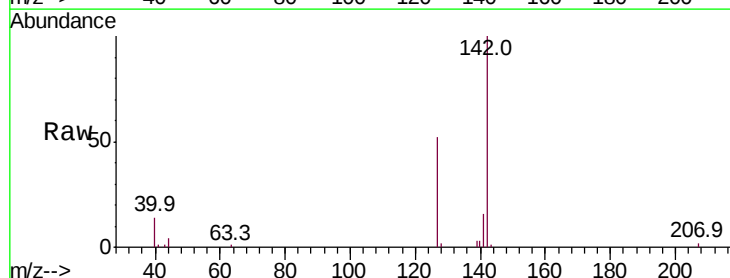
Tgt Ion:142 Resp: 62413

Ion Ratio Lower Upper

142 100

127 51.6 40.6 61.0

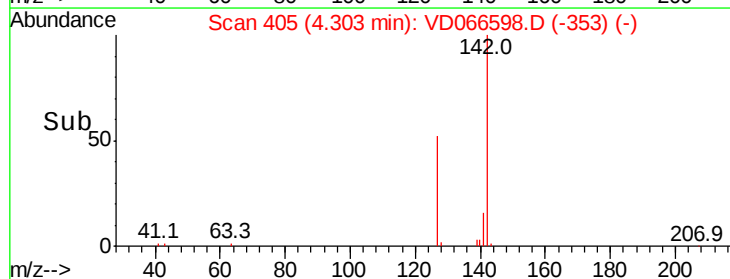
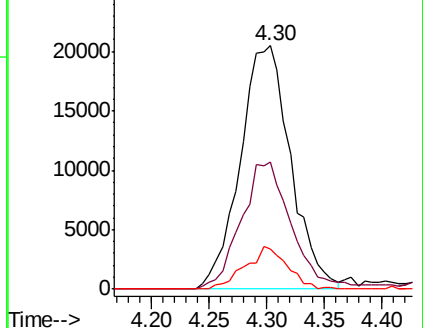
141 14.5 12.2 18.4

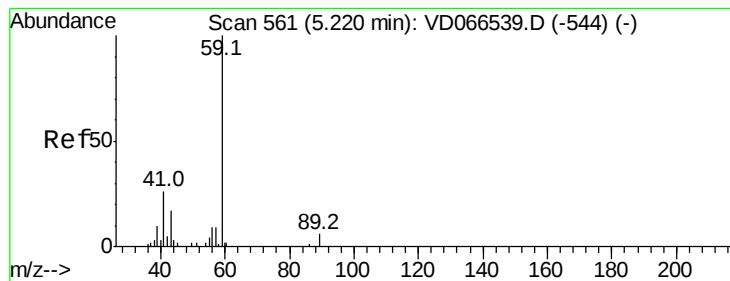


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



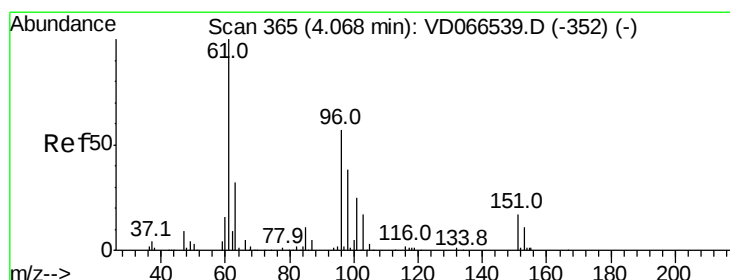
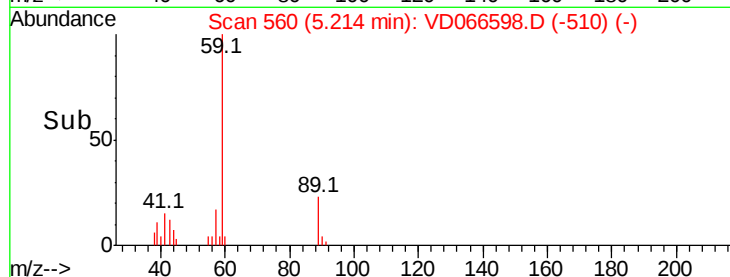
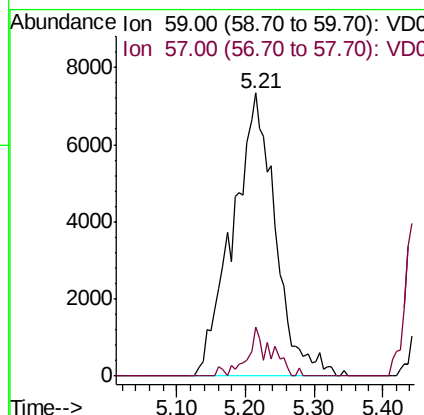
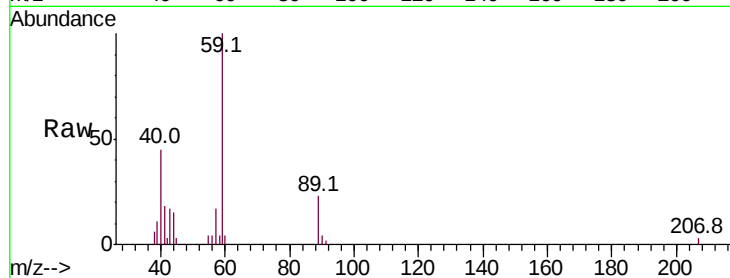


#11

Tert butyl alcohol
 Concen: 110.085 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

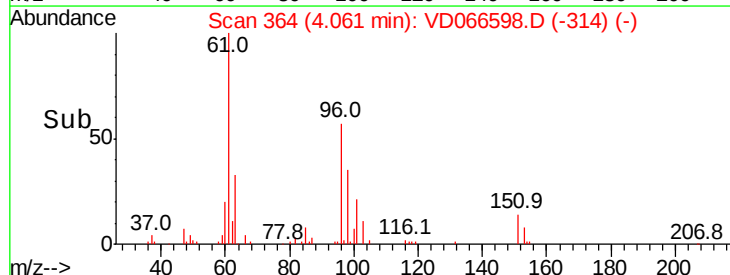
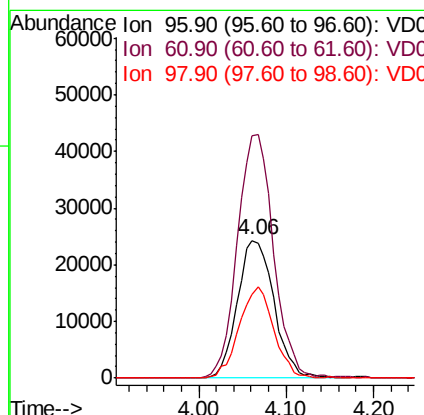
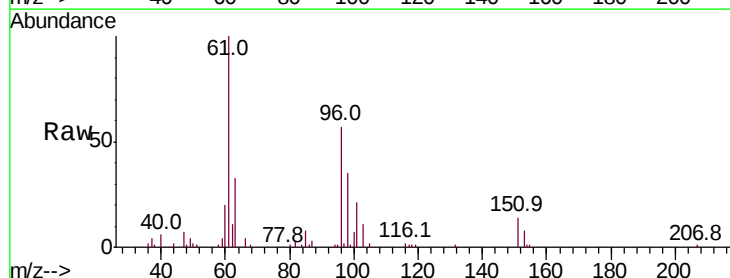
Tot Ion: 59 Resp: 31645
 Ion Ratio Lower Upper
 59 100
 57 5.4 7.6 11.4#

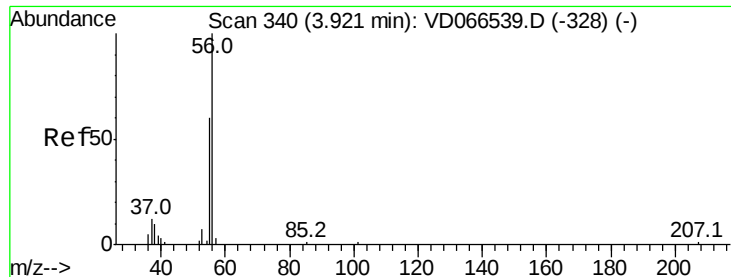


#12

1,1-Dichloroethene
 Concen: 22.231 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion: 96 Resp: 69120
 Ion Ratio Lower Upper
 96 100
 61 175.8 140.9 211.3
 98 61.0 53.2 79.8





#13

Acrolein

Concen: 91.684 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

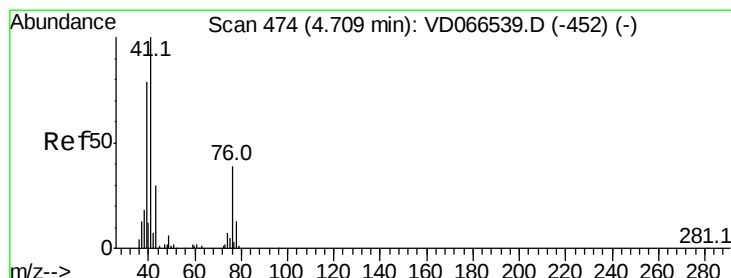
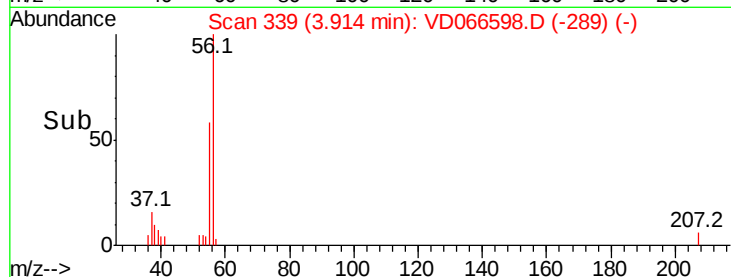
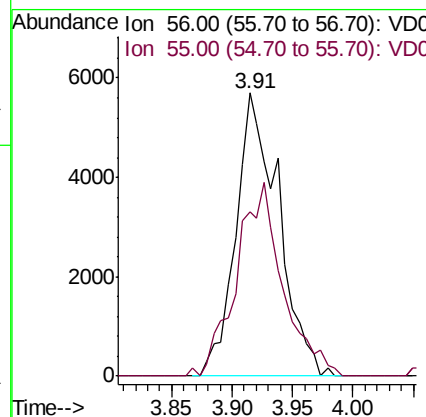
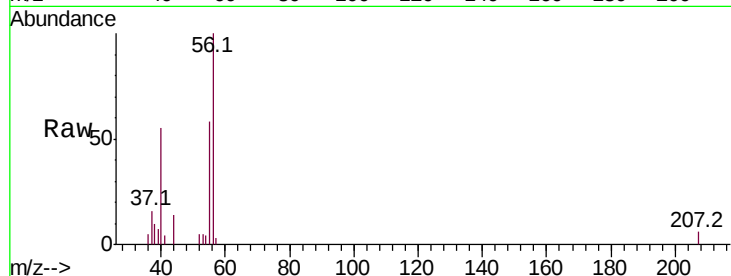
VD0909SBS02

Tot Ion: 56 Resp: 13997

Ion Ratio Lower Upper

56 100

55 74.5 53.6 80.4



#14

Allyl chloride

Concen: 22.451 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

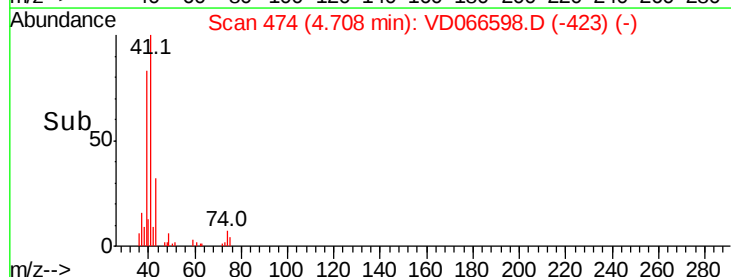
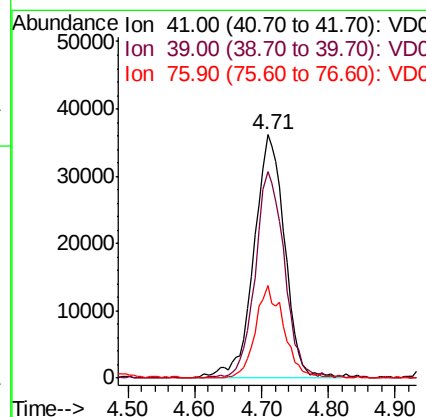
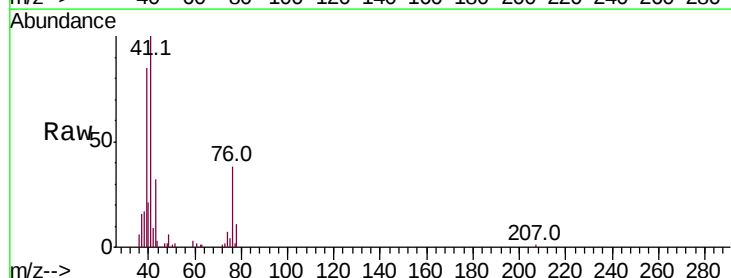
Tgt Ion: 41 Resp: 114399

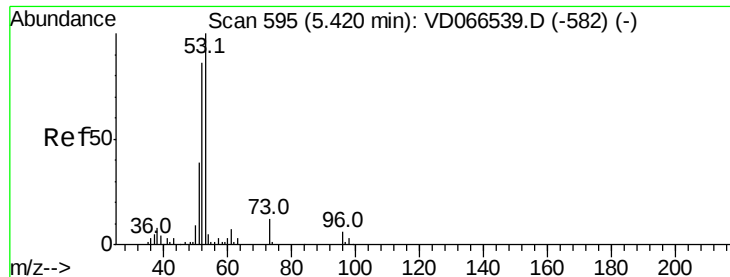
Ion Ratio Lower Upper

41 100

39 80.2 61.9 92.9

76 35.3 29.0 43.6





#15

Acrylonitrile

Concen: 114.306 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS02

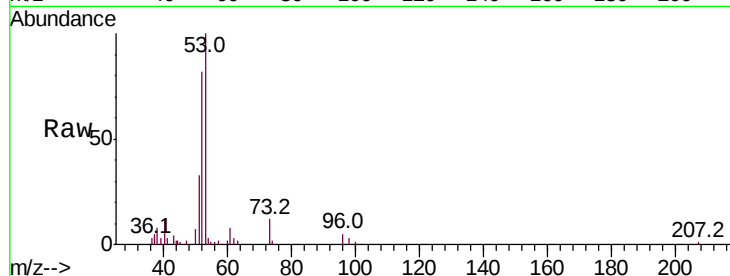
Tot Ion: 53 Resp: 79065

Ion Ratio Lower Upper

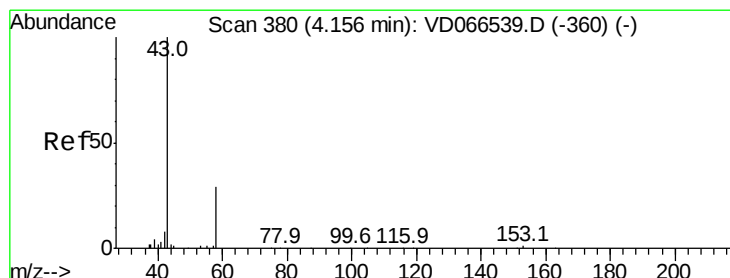
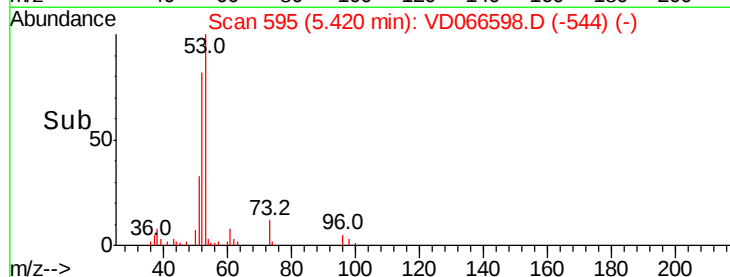
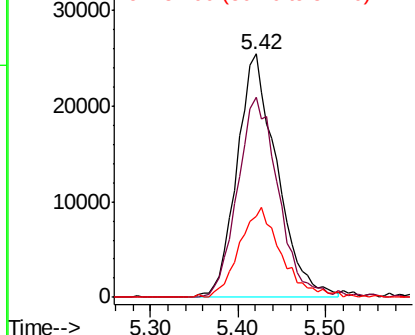
53 100

52 83.6 65.4 98.2

51 38.7 31.2 46.8



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



#16

Acetone

Concen: 98.705 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066598.D

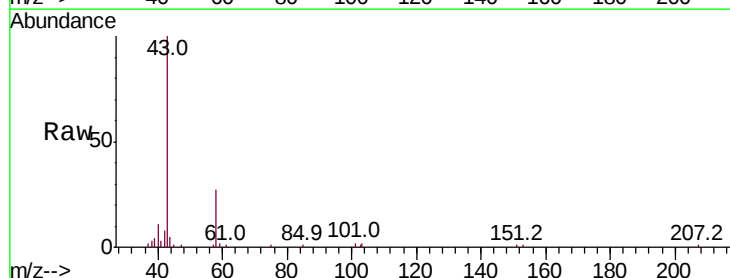
Acq: 09 Sep 2020 23:54

Tgt Ion: 43 Resp: 67810

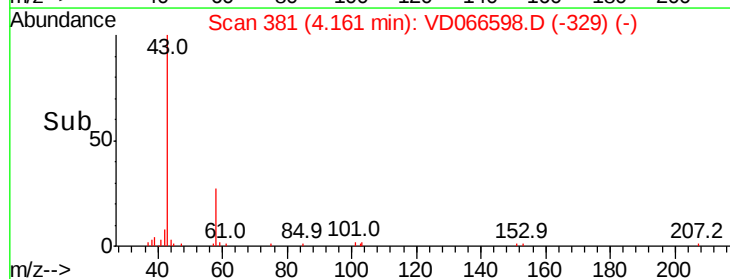
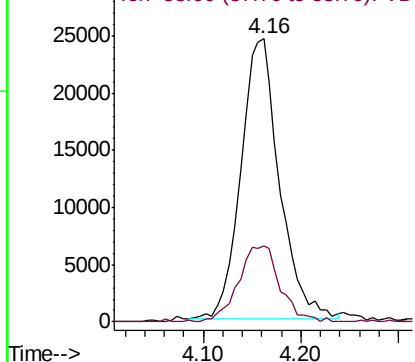
Ion Ratio Lower Upper

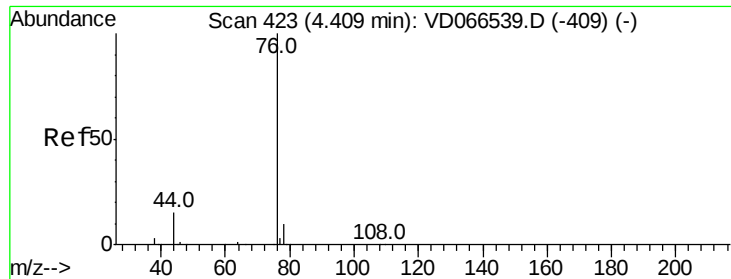
43 100

58 26.9 22.9 34.3



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

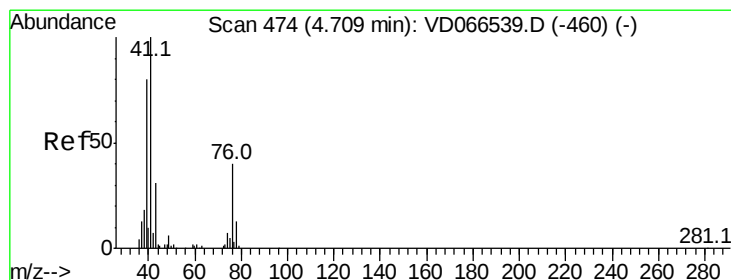
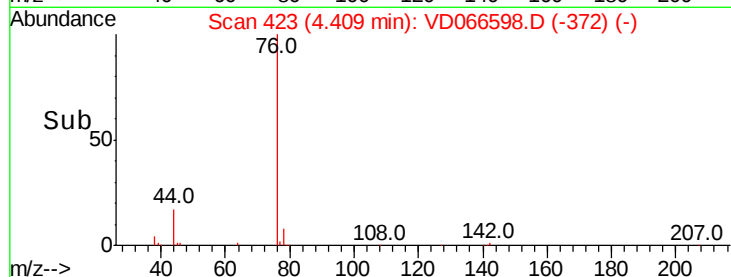
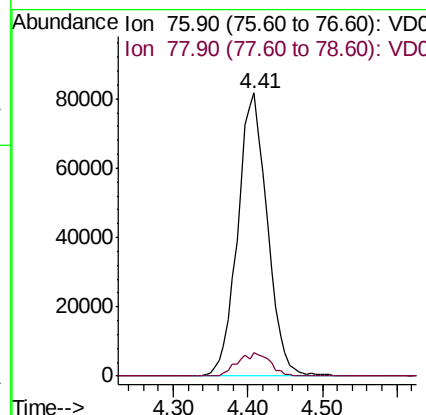
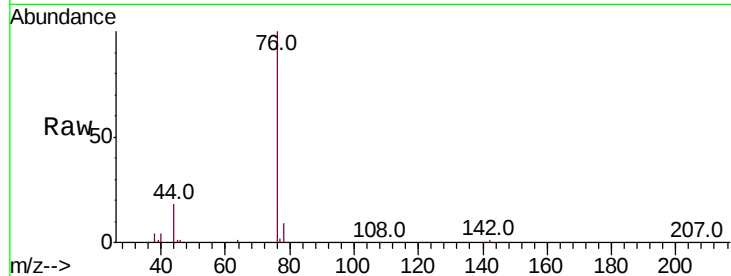




#17
Carbon Disulfide
Concen: 22.027 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

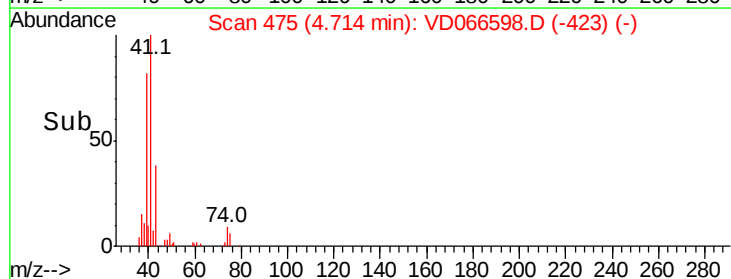
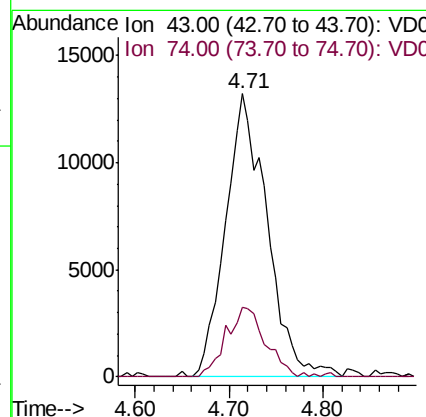
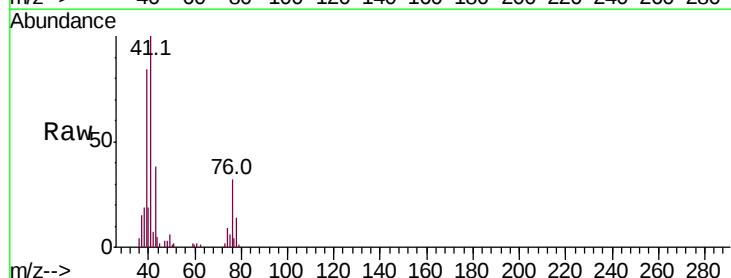
Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

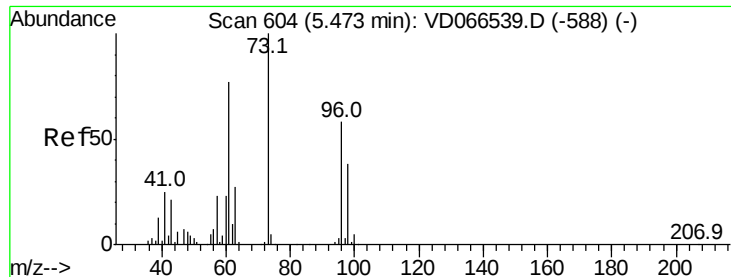
Tot Ion: 76 Resp: 225143
Ion Ratio Lower Upper
76 100
78 8.5 7.6 11.4



#18
Methyl Acetate
Concen: 24.860 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion: 43 Resp: 40713
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0



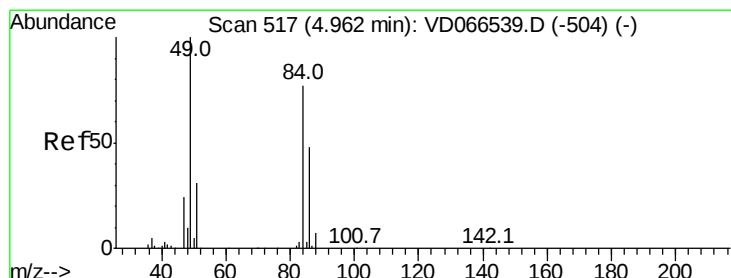
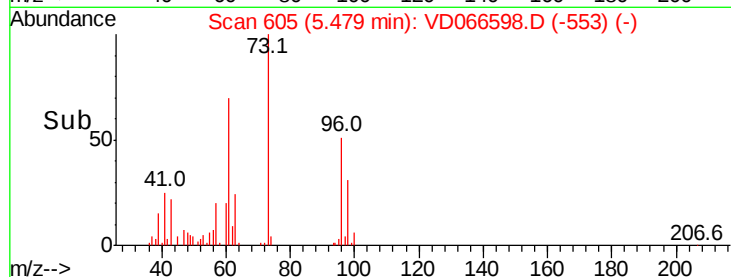
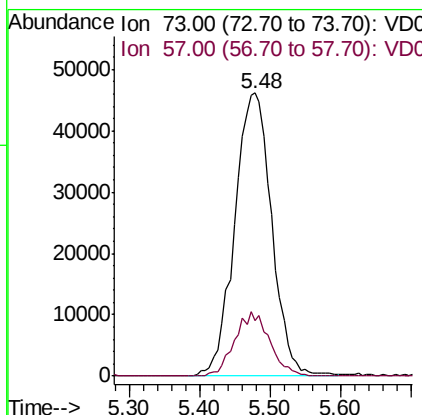
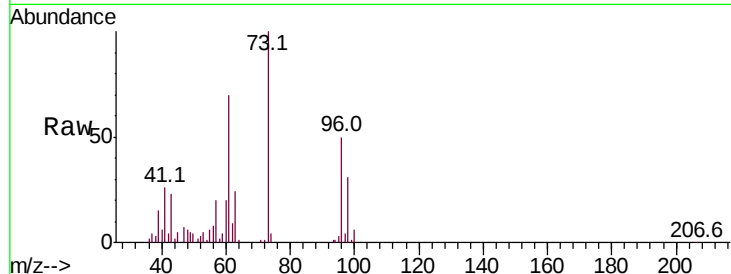


#19

Methyl tert-butyl Ether
 Concen: 23.062 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0909SBS02

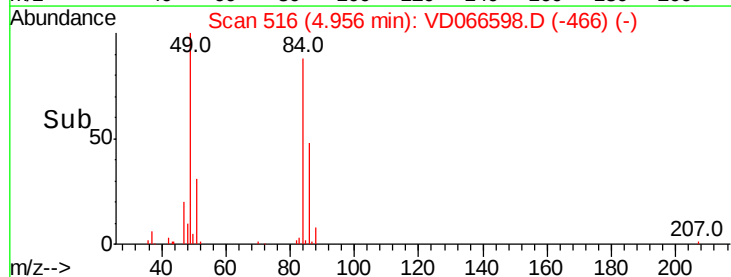
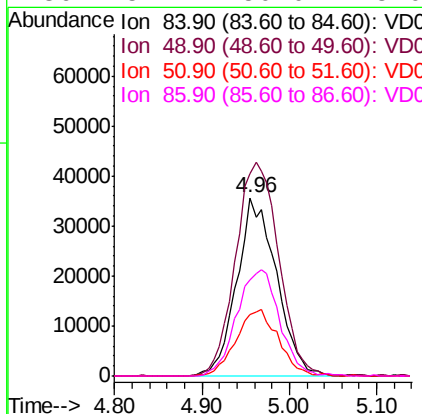
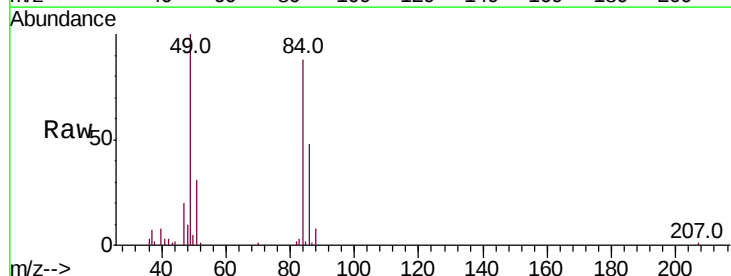
Tot Ion: 73 Resp: 168145
 Ion Ratio Lower Upper
 73 100
 57 19.8 18.3 27.5

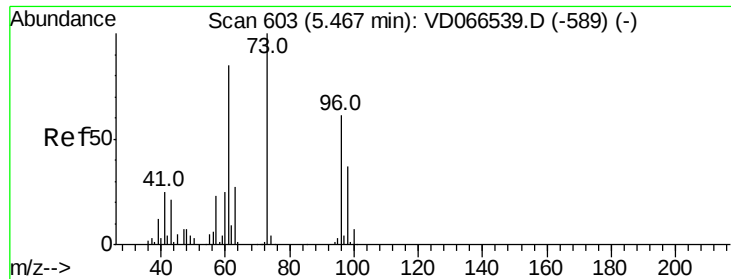


#20

Methylene Chloride
 Concen: 26.222 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion: 84 Resp: 109957
 Ion Ratio Lower Upper
 84 100
 49 113.1 104.3 156.5
 51 34.6 32.2 48.4
 86 54.1 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 22.427 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS02

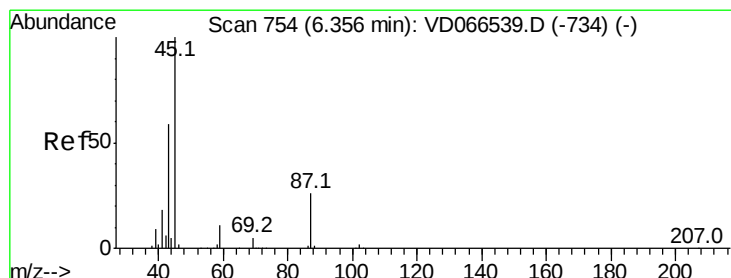
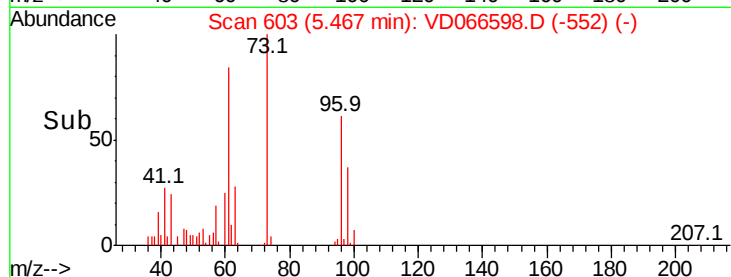
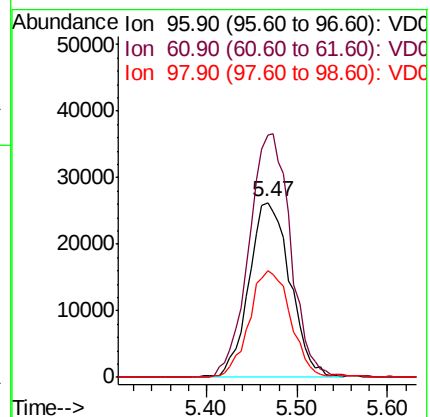
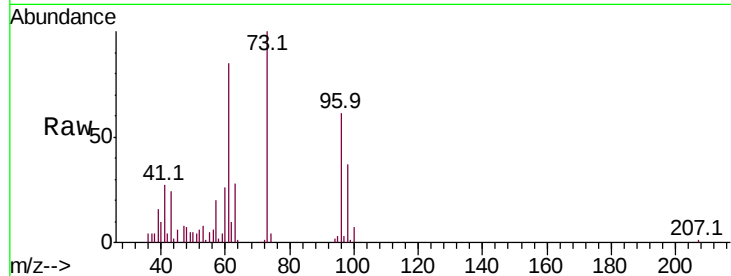
Tot Ion: 96 Resp: 82803

Ion Ratio Lower Upper

96 100

61 138.9 112.1 168.1

98 61.2 48.6 72.8



#22

Diisopropyl ether

Concen: 23.920 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Tgt Ion: 45 Resp: 250647

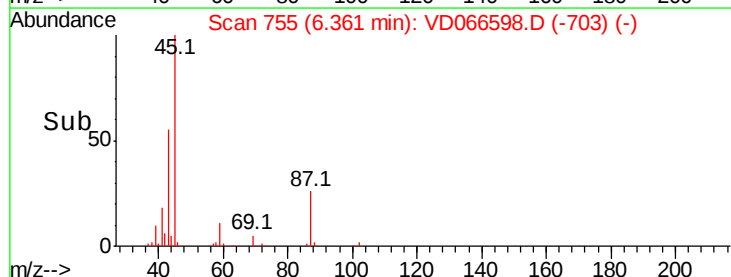
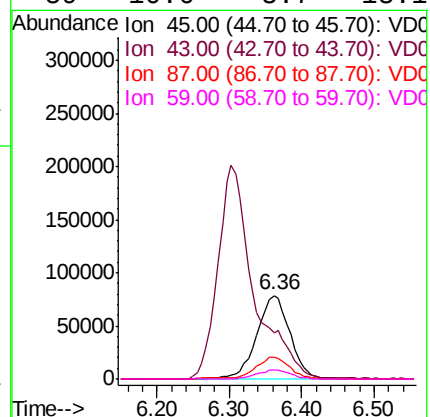
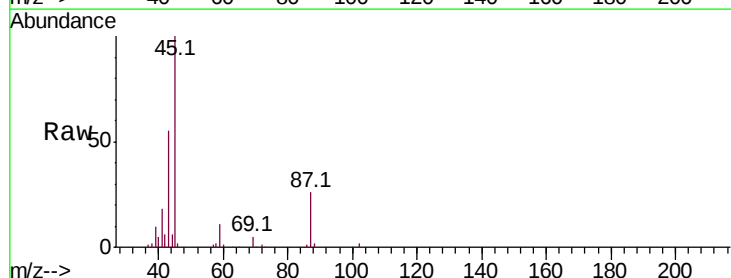
Ion Ratio Lower Upper

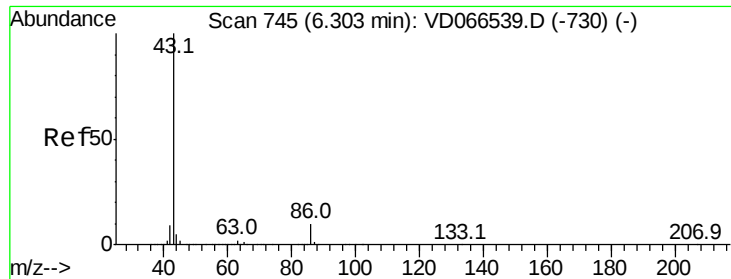
45 100

43 53.7 47.0 70.4

87 26.4 21.3 31.9

59 10.6 8.7 13.1





#23

Vinyl Acetate

Concen: 116.644 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

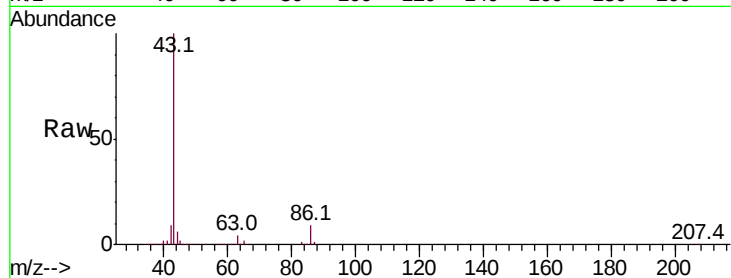
VD0909SBS02

Tot Ion: 43 Resp: 695544

Ion Ratio Lower Upper

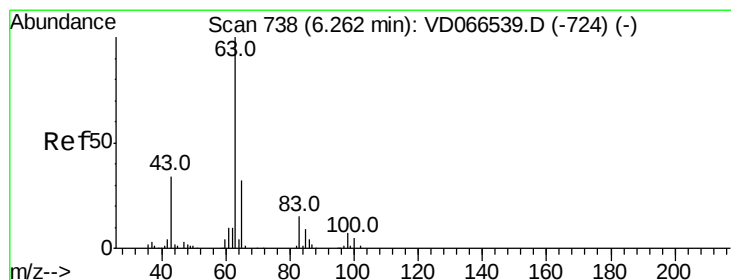
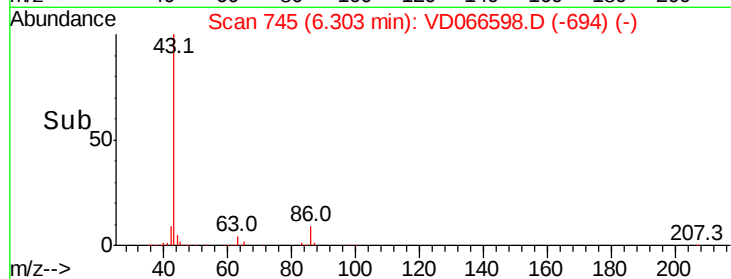
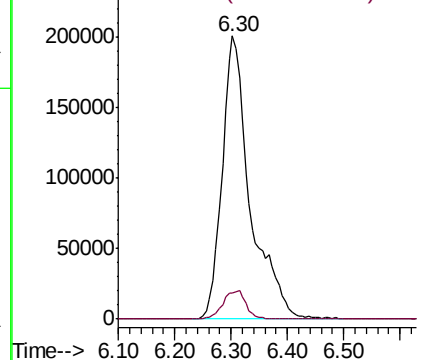
43 100

86 9.2 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.995 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

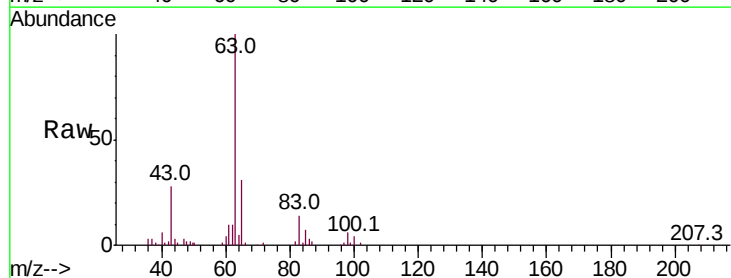
Tgt Ion: 63 Resp: 151526

Ion Ratio Lower Upper

63 100

98 5.7 3.4 10.1

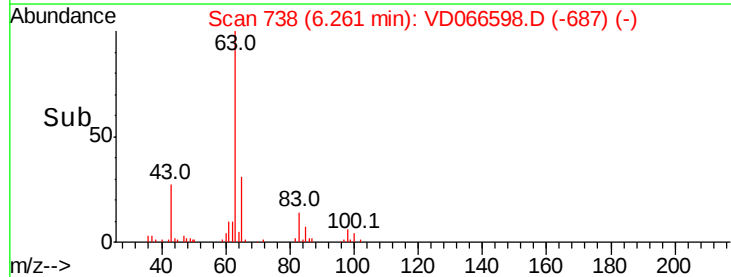
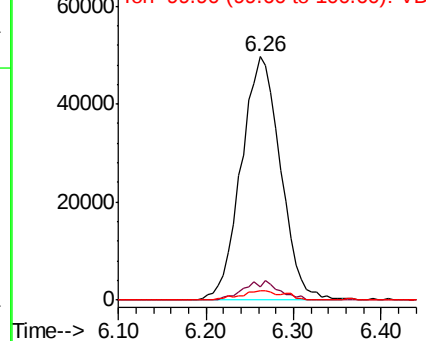
100 3.7 2.5 7.4

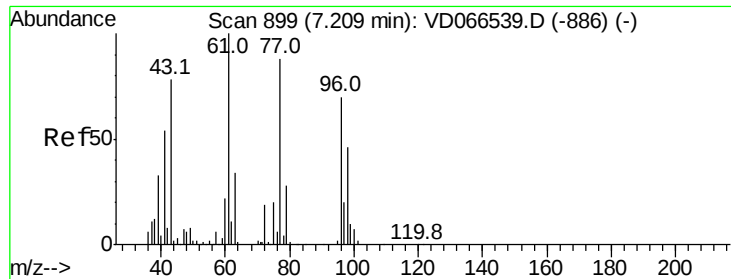


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

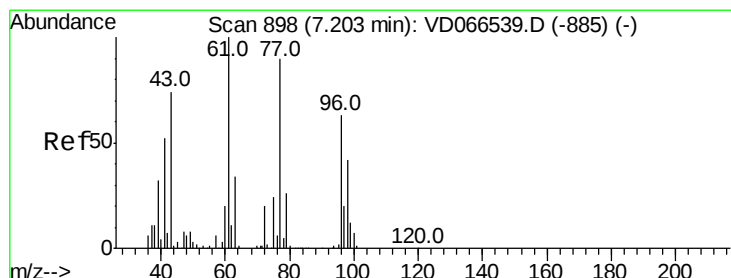
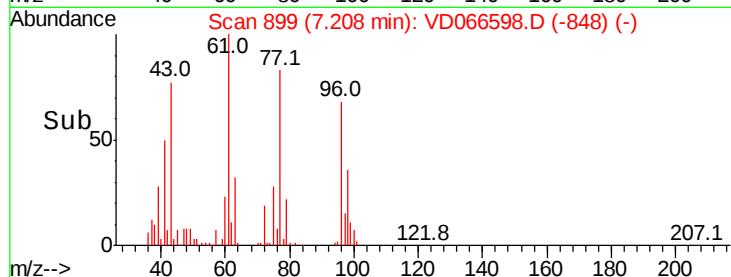
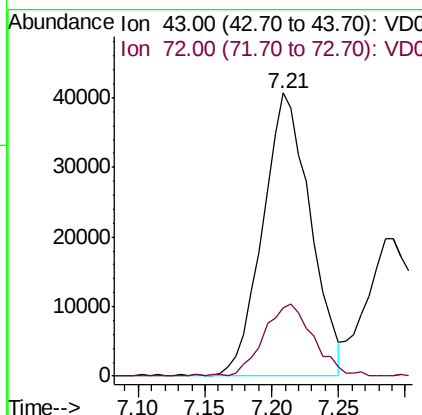
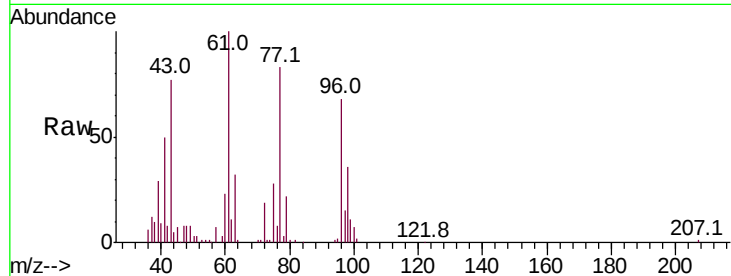




#25
2-Butanone
Concen: 109.398 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

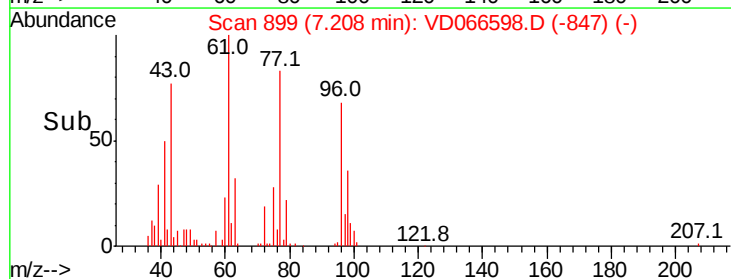
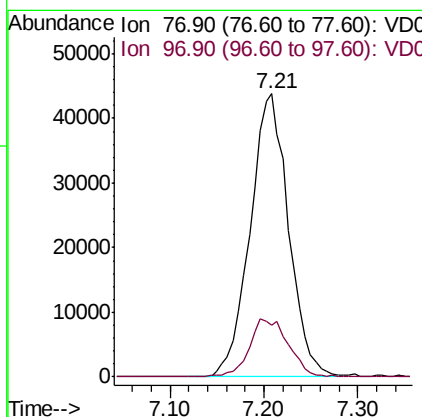
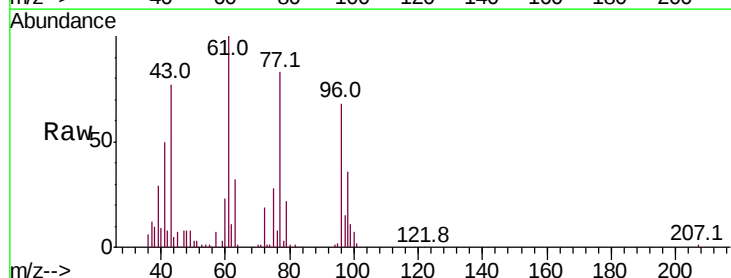
Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

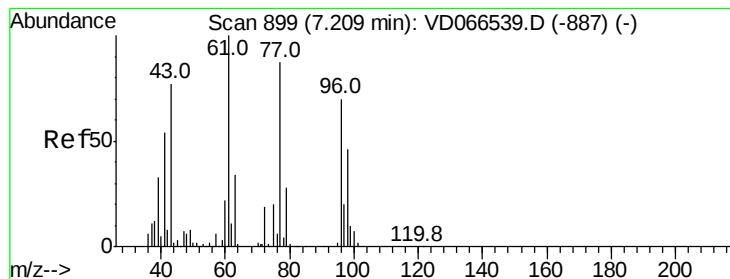
Tot Ion: 43 Resp: 100888
Ion Ratio Lower Upper
43 100
72 23.9 19.8 29.6



#26
2,2-Dichloropropane
Concen: 20.464 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.01 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion: 77 Resp: 123691
Ion Ratio Lower Upper
77 100
97 20.9 10.8 32.3



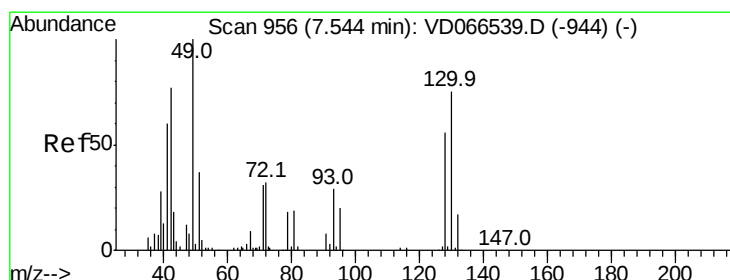
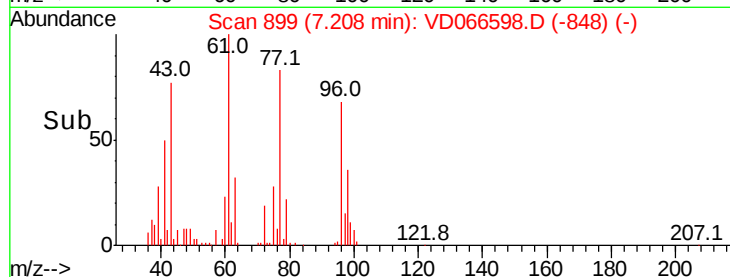
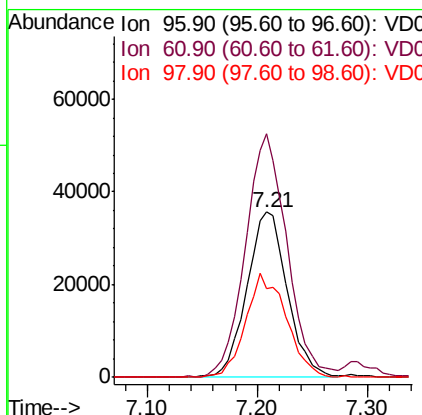
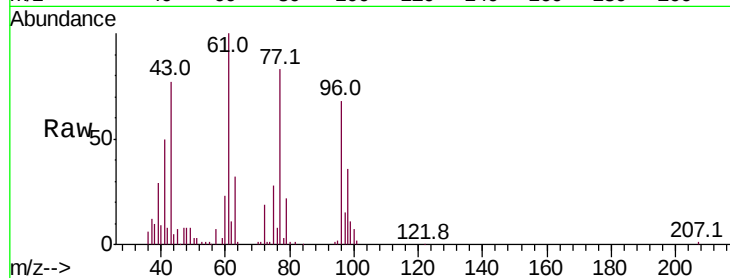


#27

cis-1,2-Dichloroethene
 Concen: 23.142 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

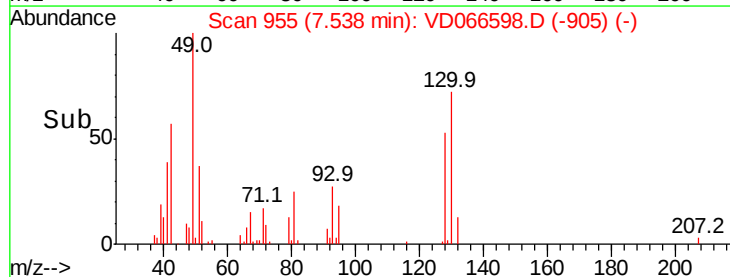
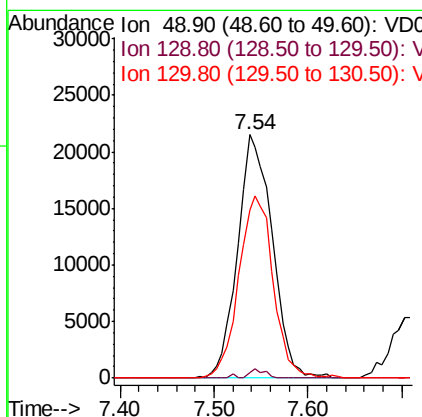
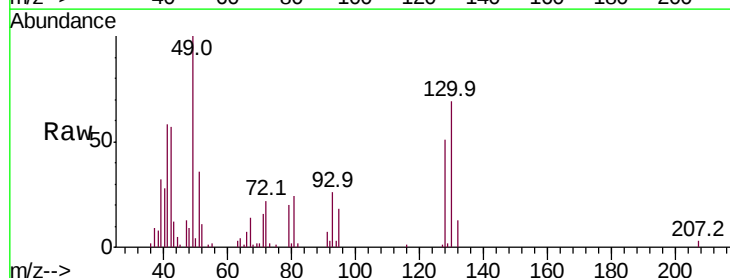
Tot Ion: 96 Resp: 91882
 Ion Ratio Lower Upper
 96 100
 61 151.5 0.0 301.0
 98 62.7 0.0 129.8

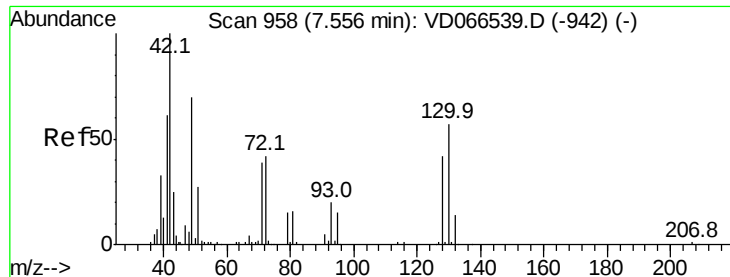


#28

Bromochloromethane
 Concen: 21.670 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion: 49 Resp: 54975
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 2.6
 130 74.3 58.2 87.2

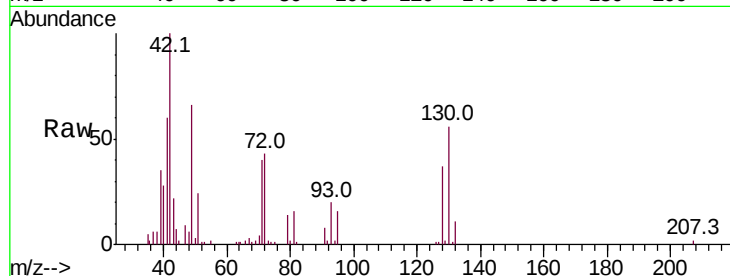




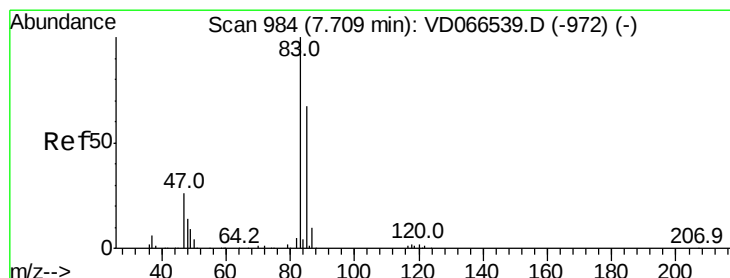
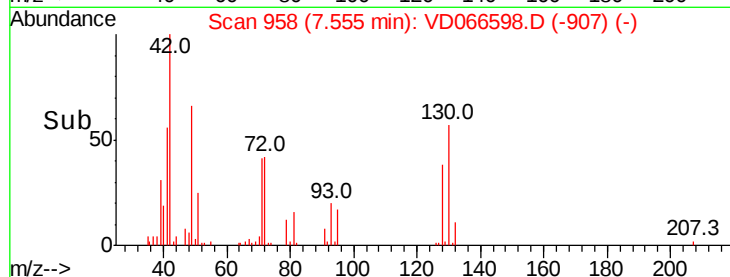
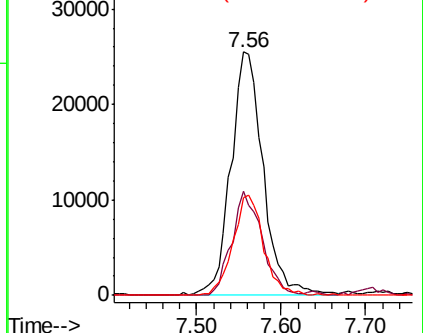
#29
Tetrahydrofuran
Concen: 117.191 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

Tot Ion: 42 Resp: 67308
Ion Ratio Lower Upper
42 100
72 40.0 33.4 50.0
71 38.8 31.9 47.9

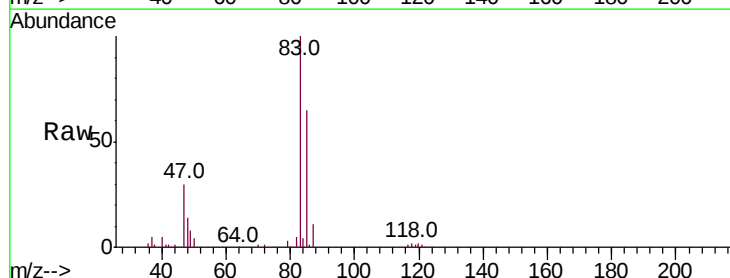


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

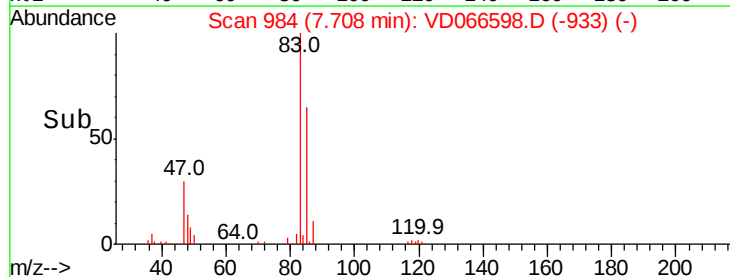
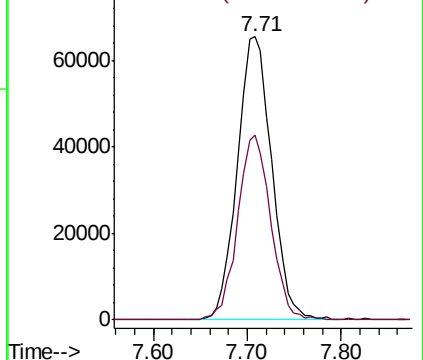


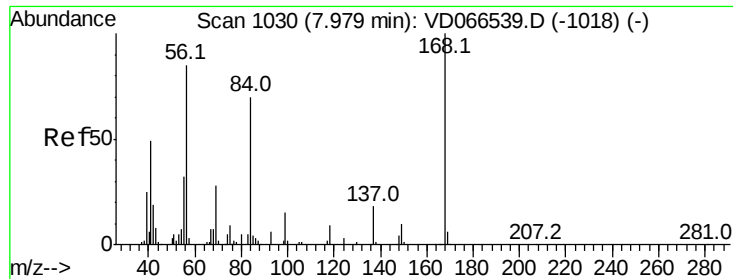
#30
Chloroform
Concen: 23.828 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion: 83 Resp: 166112
Ion Ratio Lower Upper
83 100
85 65.3 53.6 80.4



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





#31

Cyclohexane

Concen: 20.497 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS02

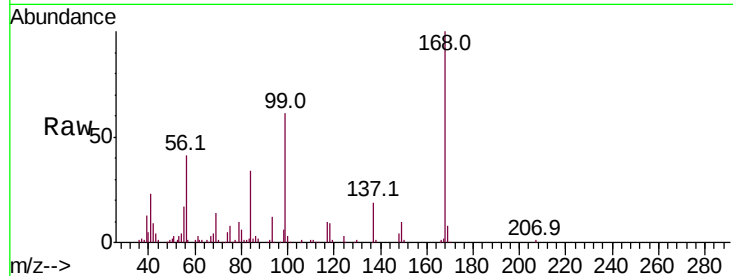
Tot Ion: 56 Resp: 124850

Ion Ratio Lower Upper

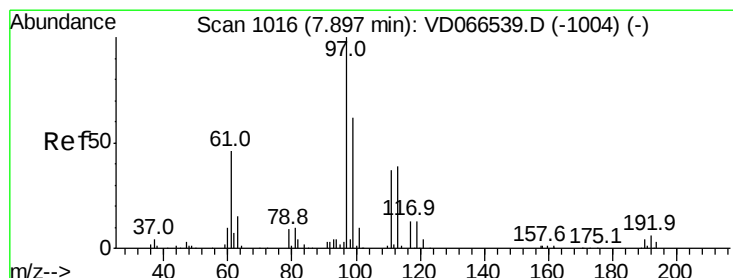
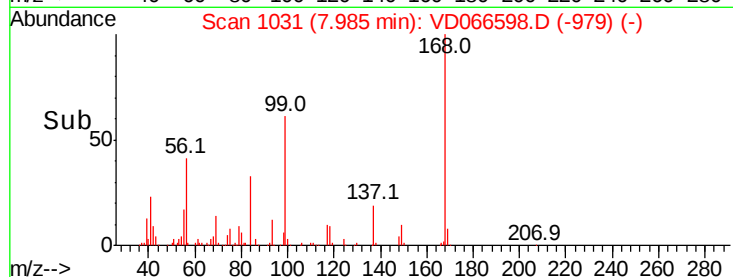
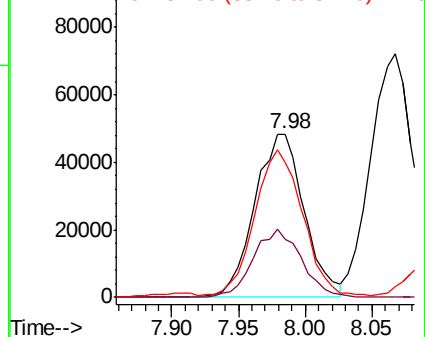
56 100

69 35.3 26.3 39.5

84 80.3 66.1 99.1



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



#32

1,1,1-Trichloroethane

Concen: 22.033 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

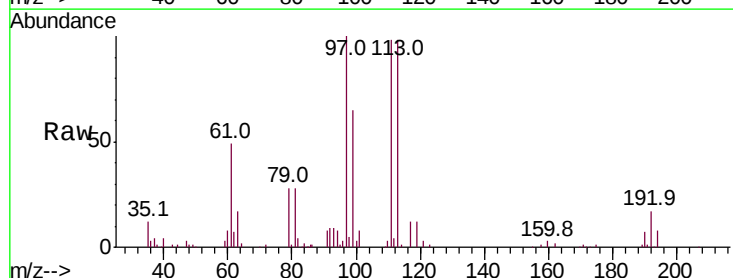
Tgt Ion: 97 Resp: 144408

Ion Ratio Lower Upper

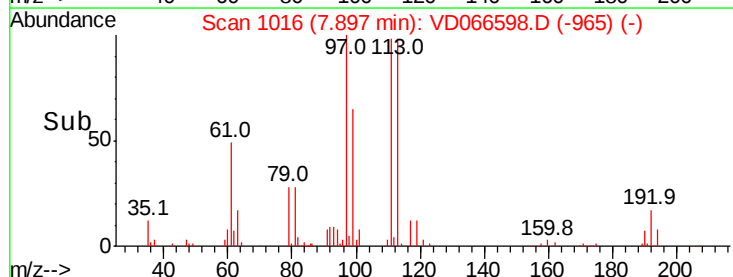
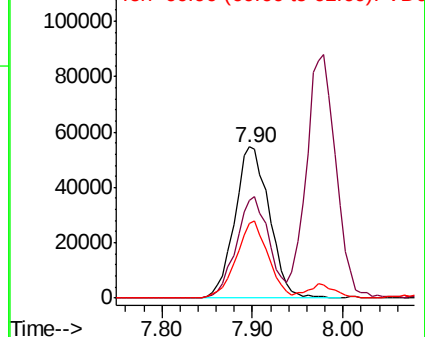
97 100

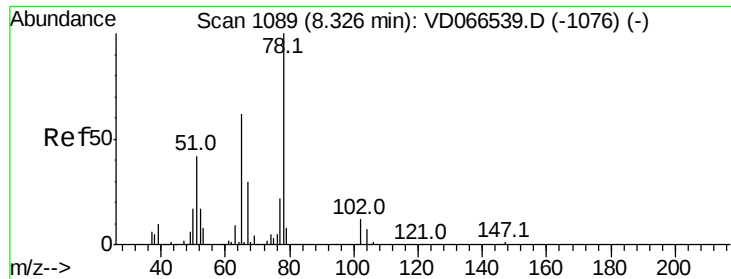
99 64.0 51.4 77.0

61 47.0 37.4 56.0



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





#33

1,2-Dichloroethane-d4

Concen: 60.552 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

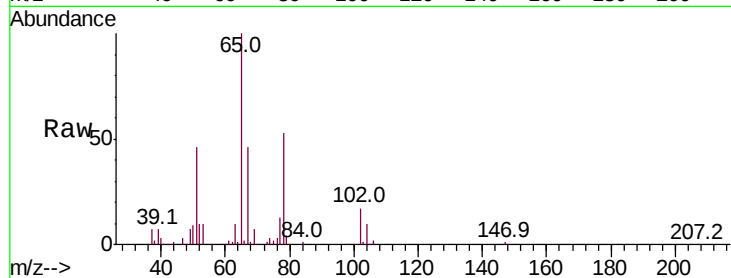
VD0909SBS02

Tot Ion: 65 Resp: 226086

Ion Ratio Lower Upper

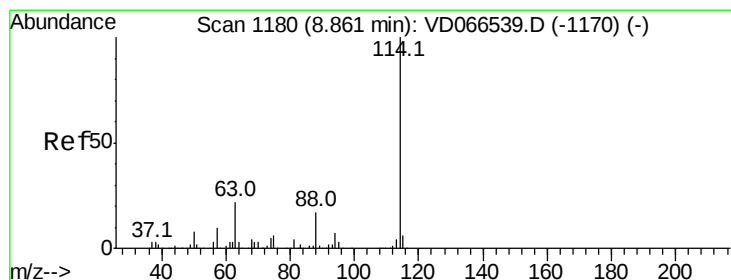
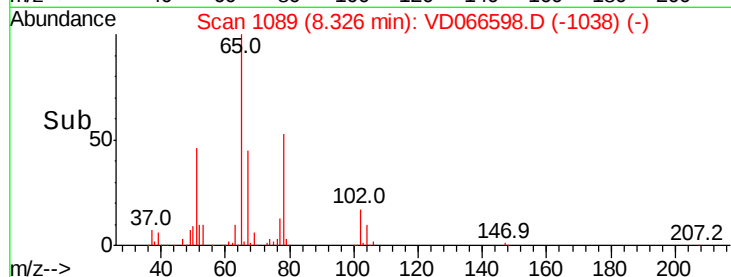
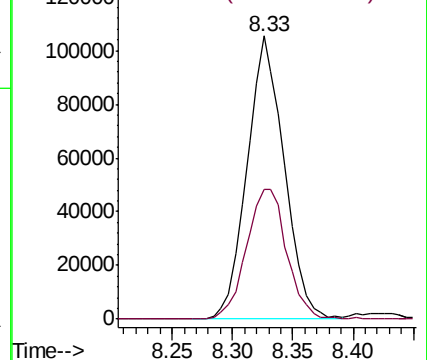
65 100

67 49.6 0.0 102.8



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

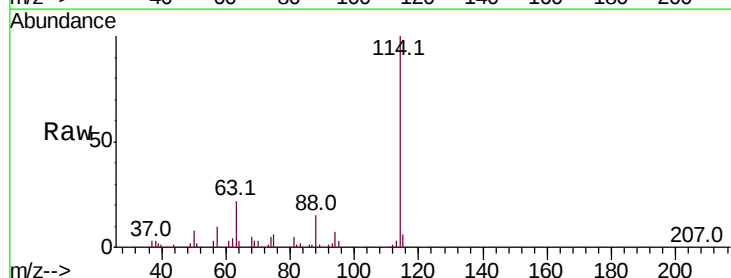
Tgt Ion: 114 Resp: 547166

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

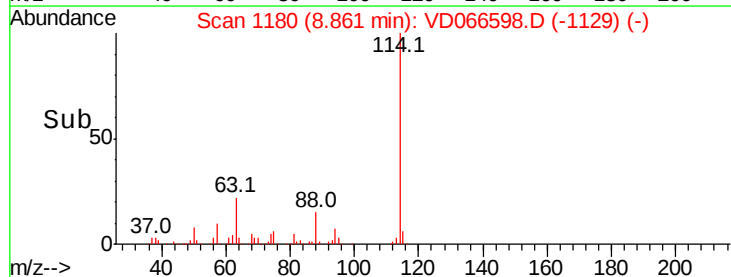
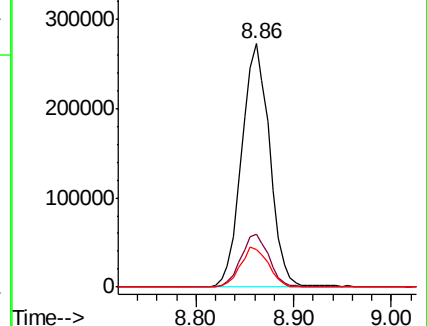
88 15.3 0.0 33.2

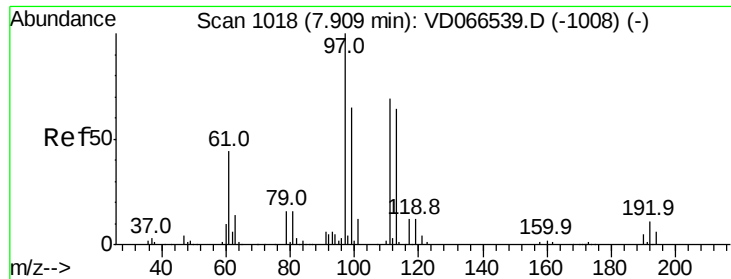


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

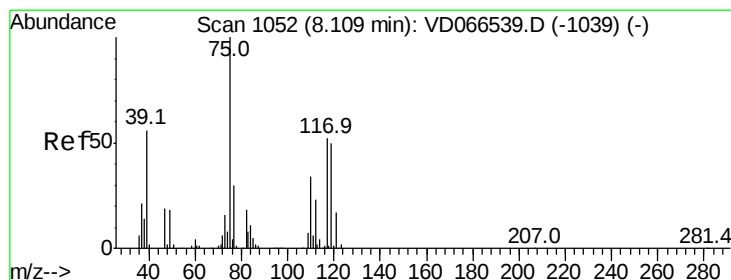
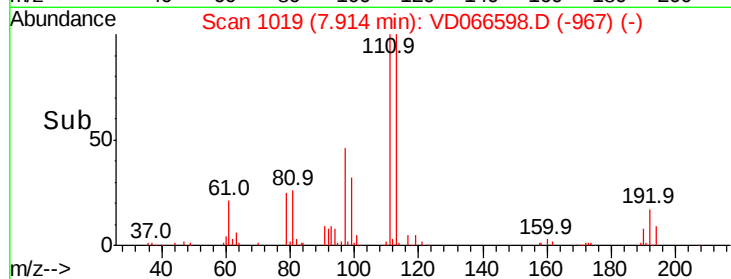
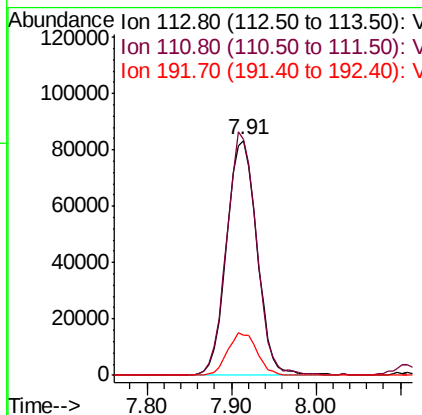
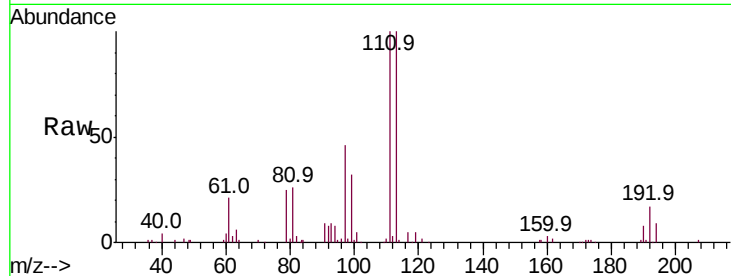




#35
 Dibromofluoromethane
 Concen: 55.842 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

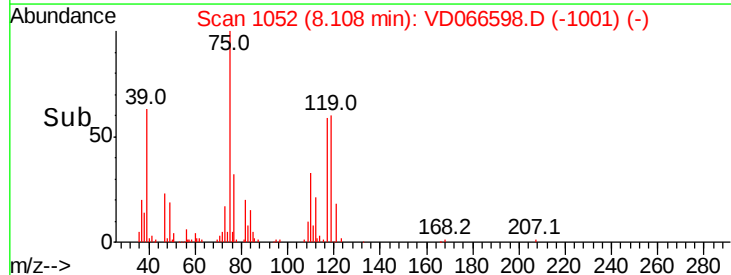
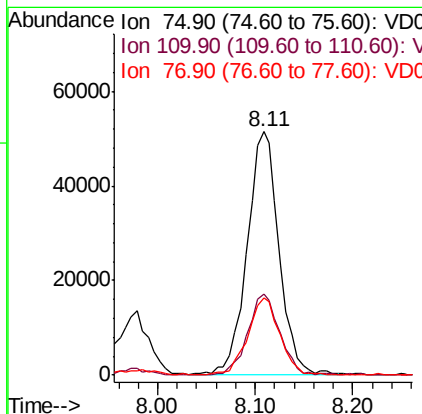
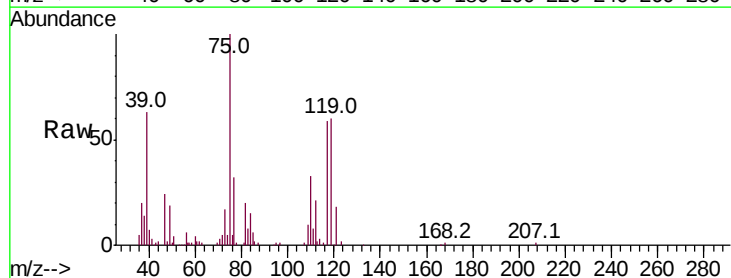
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

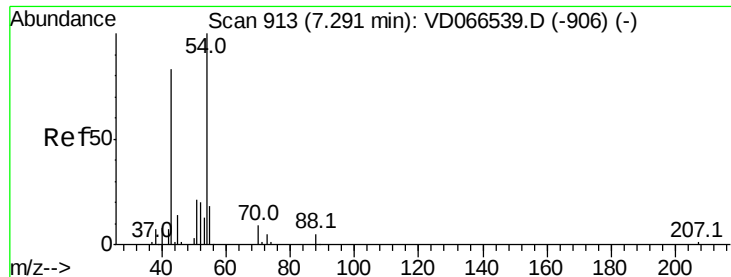
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.2	124.8
192	17.5	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 20.573 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.3	52.0
77	32.1	25.1	37.7

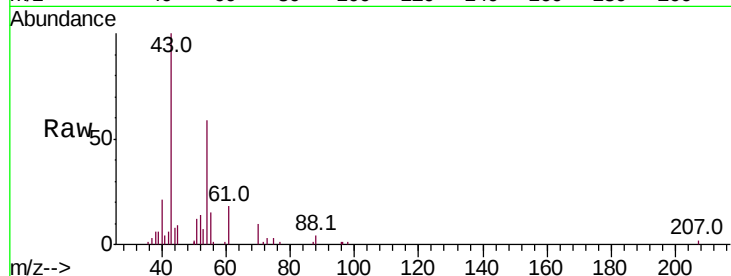




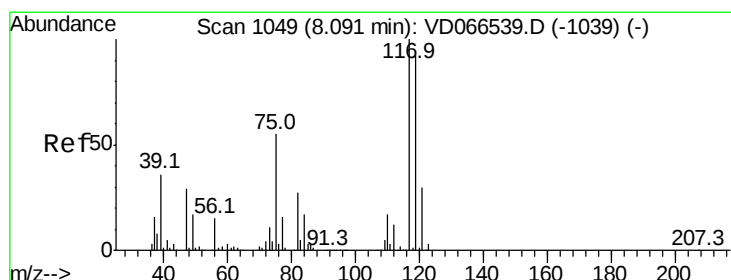
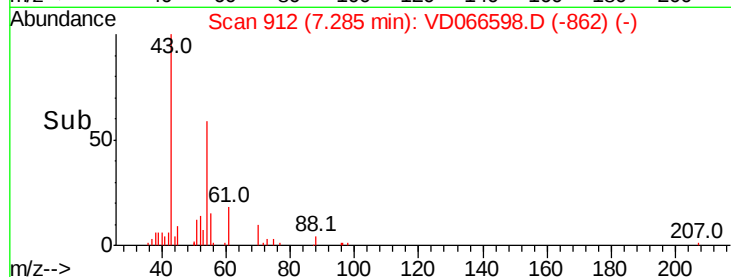
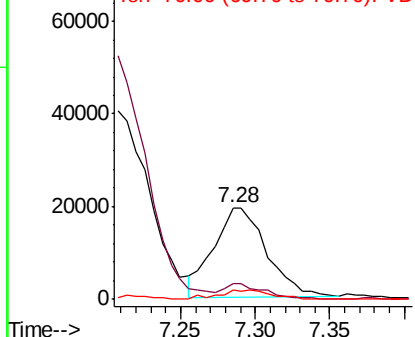
#37
Ethyl Acetate
Concen: 20.888 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

Tot Ion: 43 Resp: 47362
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.8
70 10.3 7.9 11.9

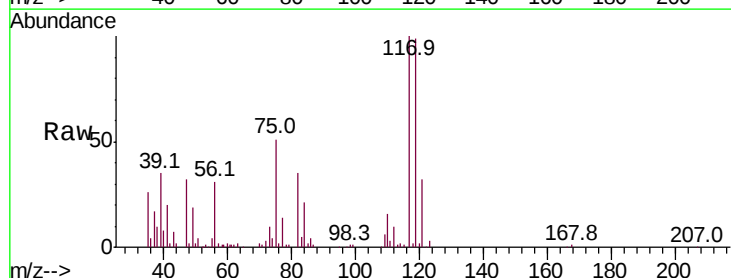


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

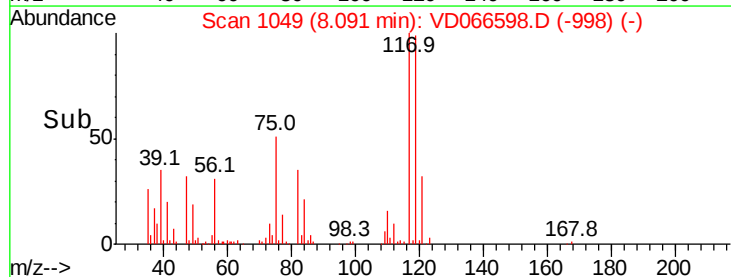
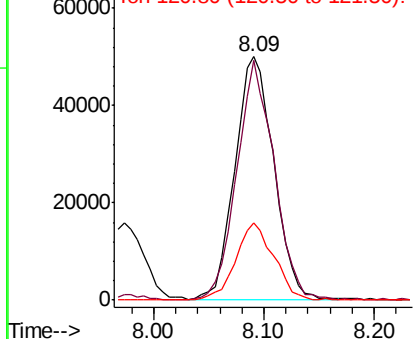


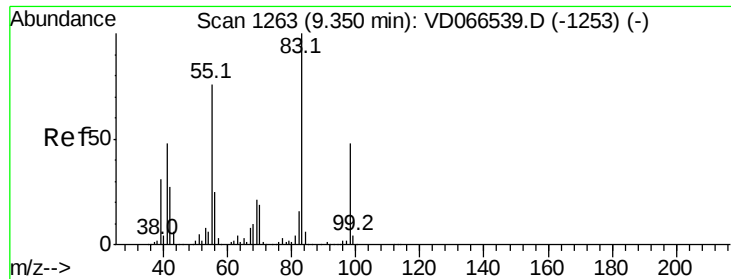
#38
Carbon Tetrachloride
Concen: 20.476 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion: 117 Resp: 123242
Ion Ratio Lower Upper
117 100
119 98.9 73.9 110.9
121 32.1 24.1 36.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

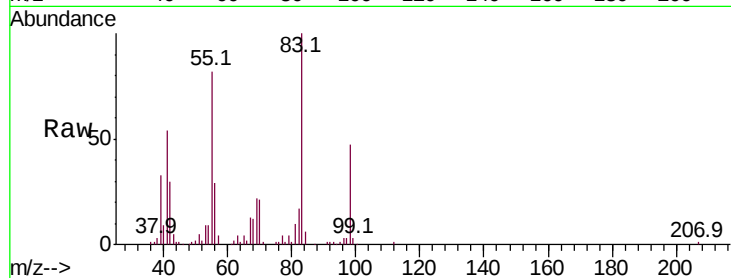




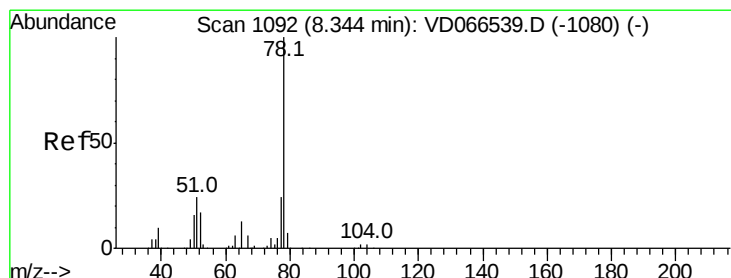
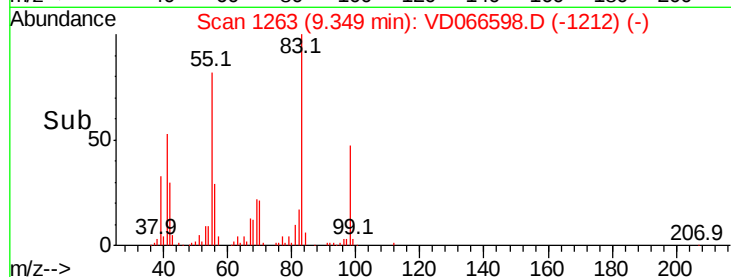
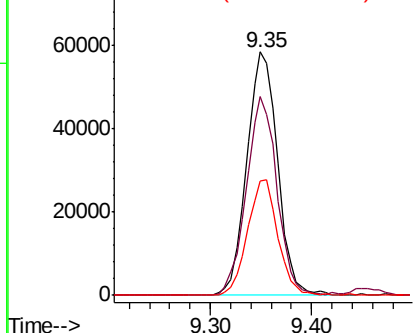
#39
Methvlcvclohexane
Concen: 19.365 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

Tot Ion	83	Resp	123137
Ion Ratio	Lower	Upper	
83	100		
55	81.9	60.8	91.2
98	47.1	38.6	58.0

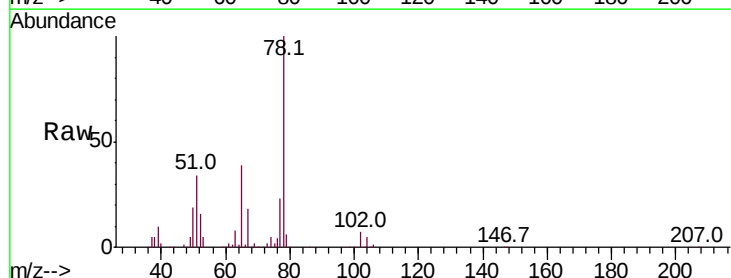


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

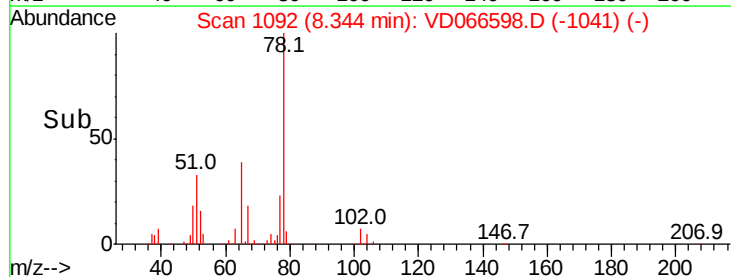
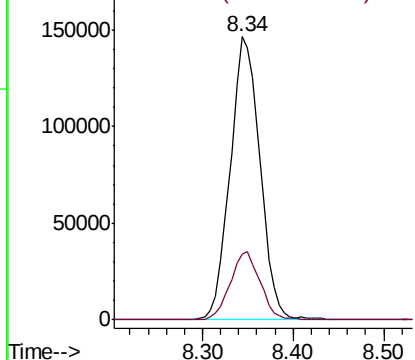


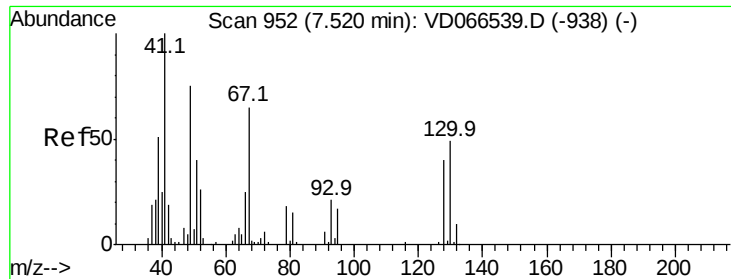
#40
Benzene
Concen: 21.486 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion	78	Resp	335089
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

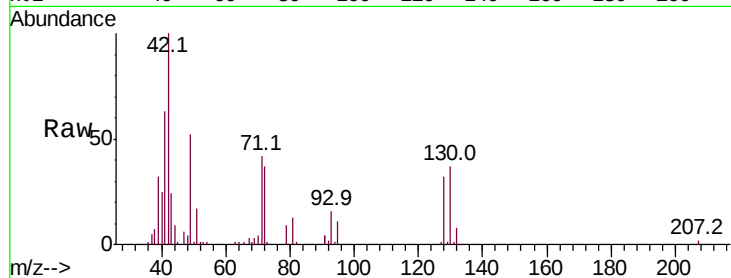




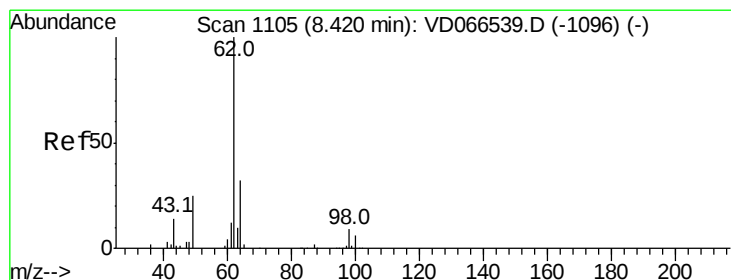
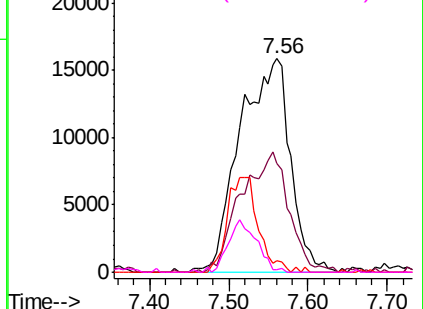
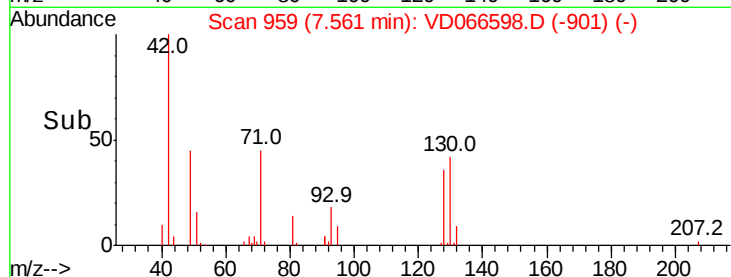
#41
Methacrylonitrile
Concen: 63.661 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

Tot Ion: 41 Resp: 69874
Ion Ratio Lower Upper
41 100
39 53.8 53.6 80.4
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#

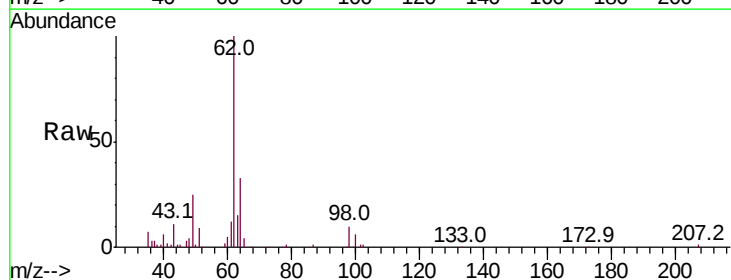


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

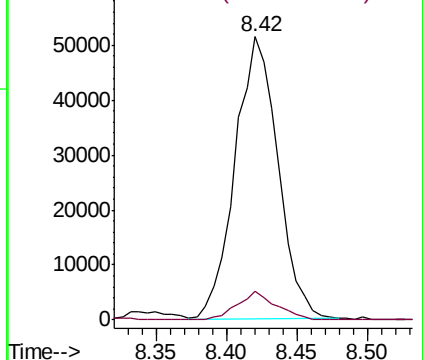
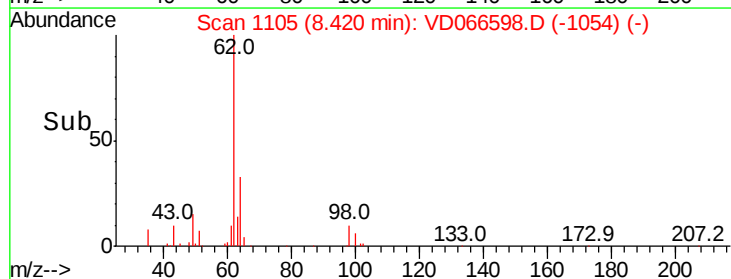


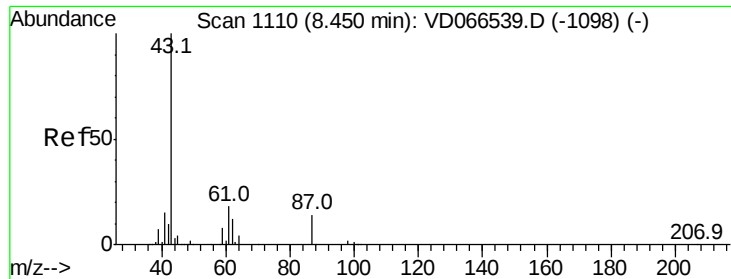
#42
1,2-Dichloroethane
Concen: 21.584 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion: 62 Resp: 109065
Ion Ratio Lower Upper
62 100
98 9.2 0.0 17.6



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





#43

Isopropyl Acetate

Concen: 21.794 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS02

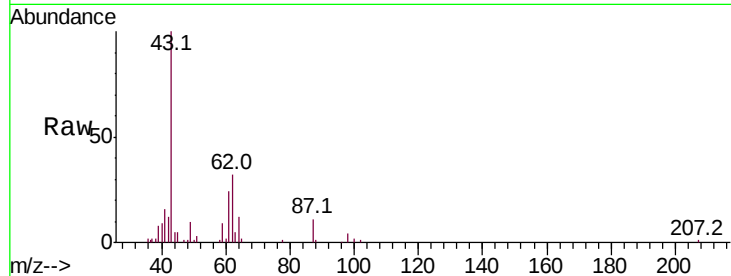
Tot Ion: 43 Resp: 94702

Ion Ratio Lower Upper

43 100

61 30.4 23.8 35.8

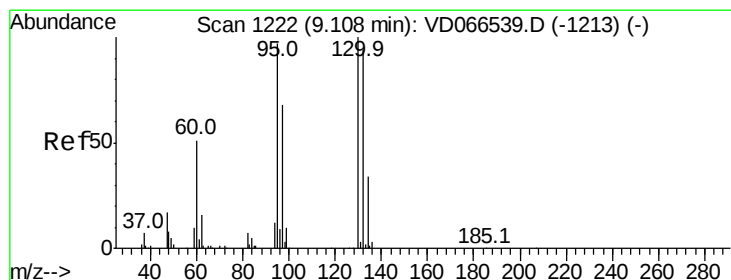
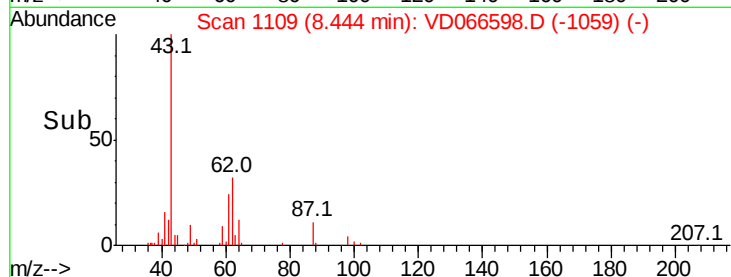
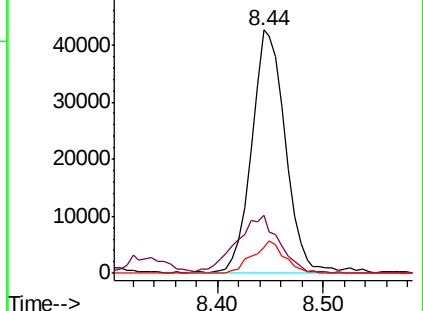
87 12.8 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.125 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066598.D

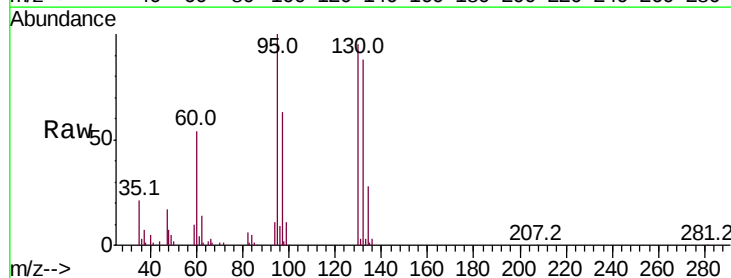
Acq: 09 Sep 2020 23:54

Tgt Ion:130 Resp: 86419

Ion Ratio Lower Upper

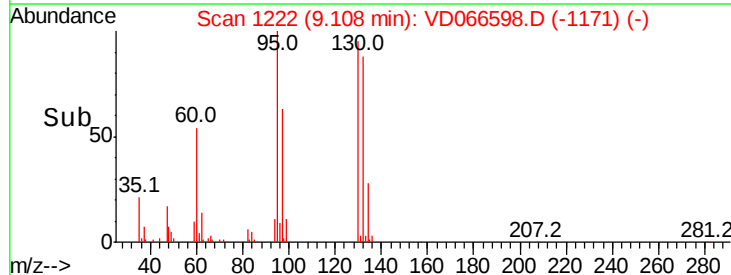
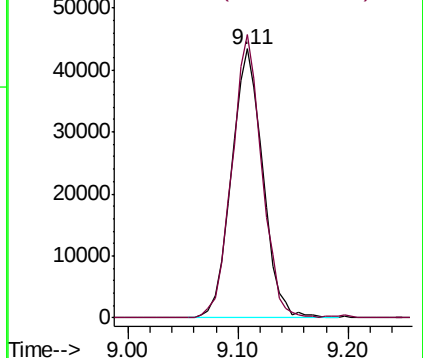
130 100

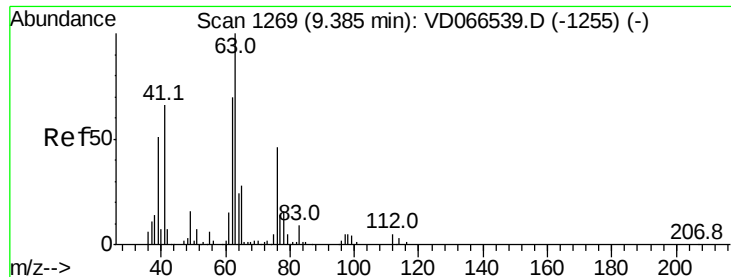
95 105.3 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.658 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

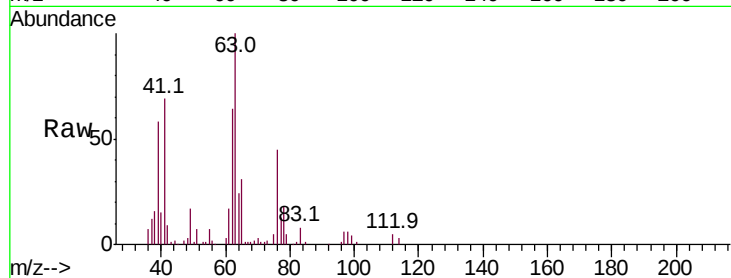
VD0909SBS02

Tot Ion: 63 Resp: 84942

Ion Ratio Lower Upper

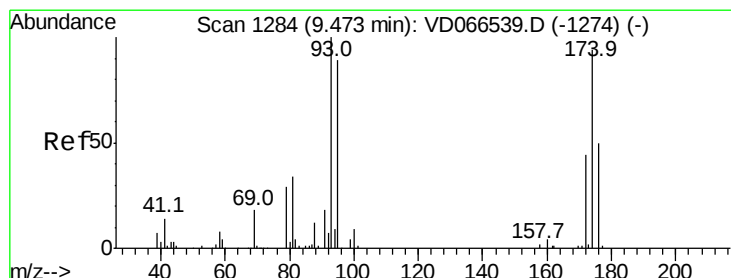
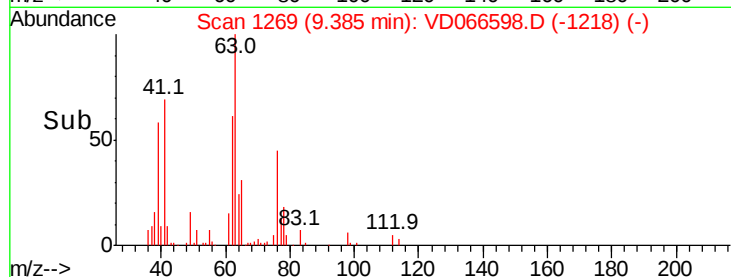
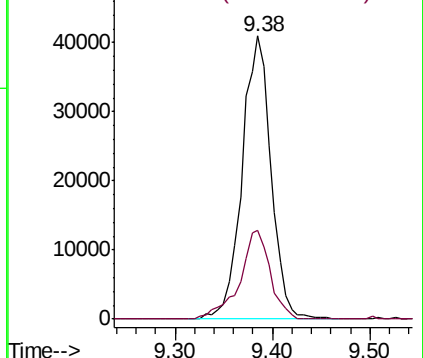
63 100

65 31.2 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.844 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

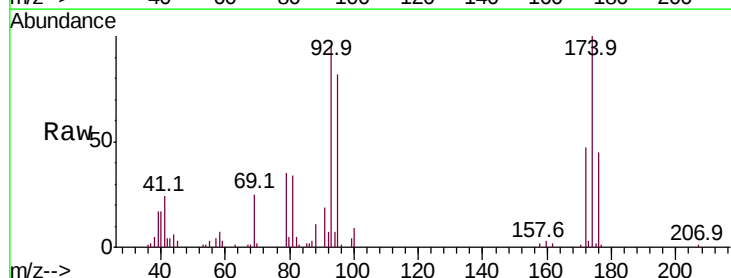
Tgt Ion: 93 Resp: 47265

Ion Ratio Lower Upper

93 100

95 81.9 68.7 103.1

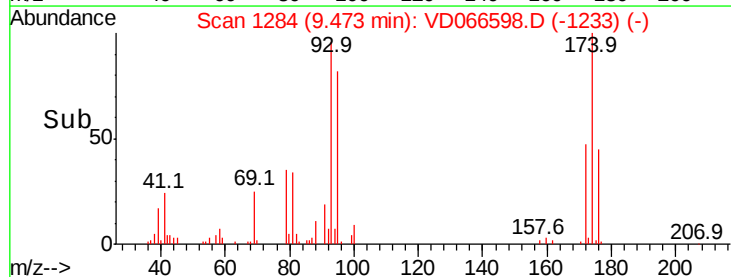
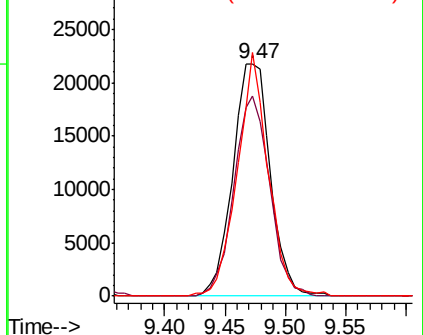
174 86.3 70.0 105.0

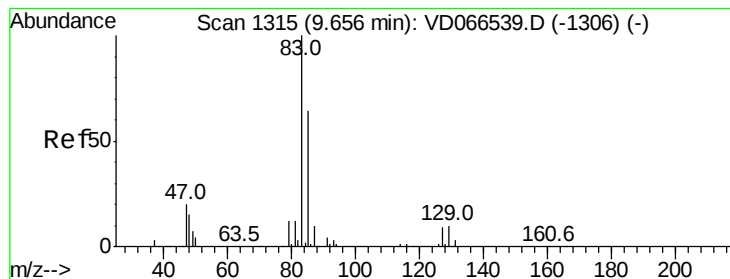


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 21.862 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS02

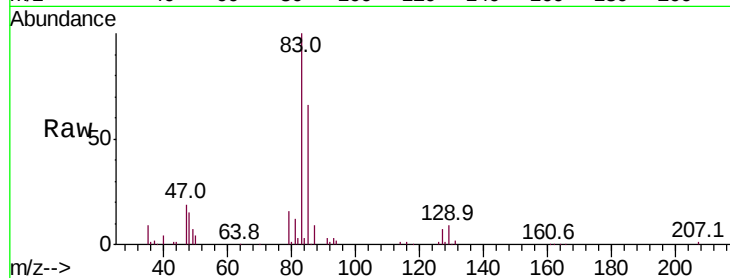
Tot Ion: 83 Resp: 127982

Ion Ratio Lower Upper

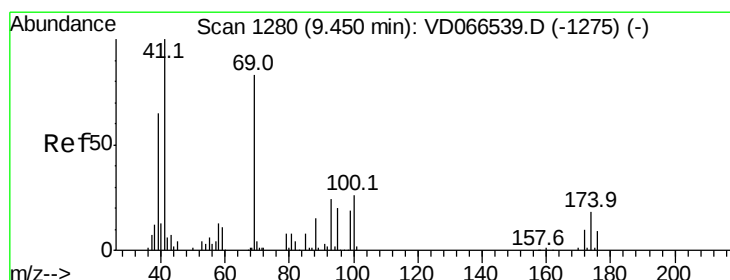
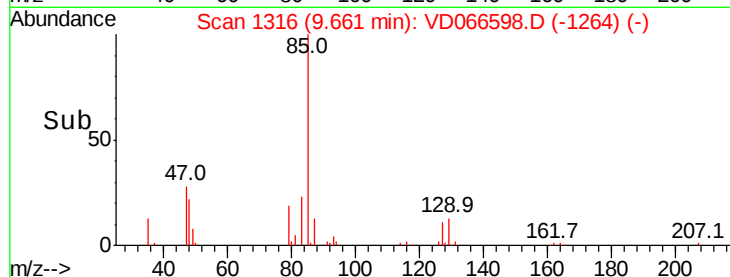
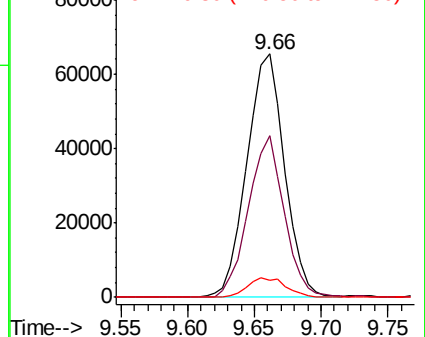
83 100

85 66.5 51.1 76.7

127 7.2 6.9 10.3



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: 18.506 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

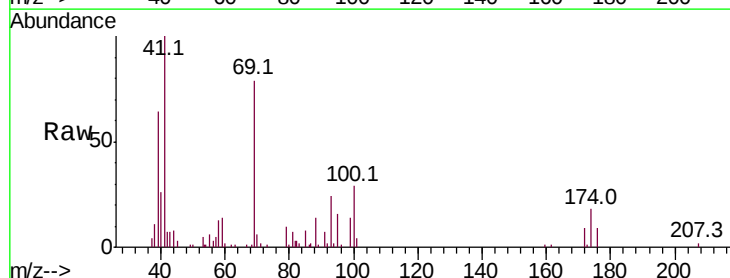
Tgt Ion: 41 Resp: 40663

Ion Ratio Lower Upper

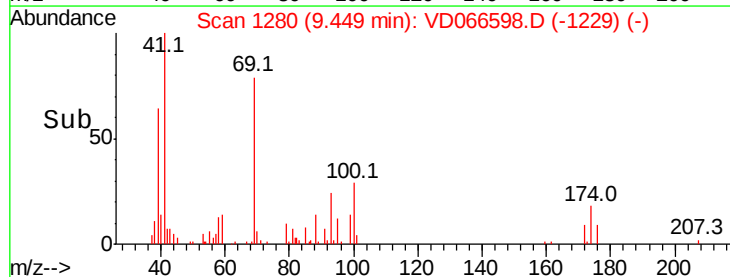
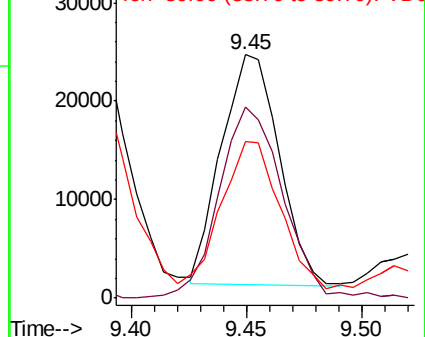
41 100

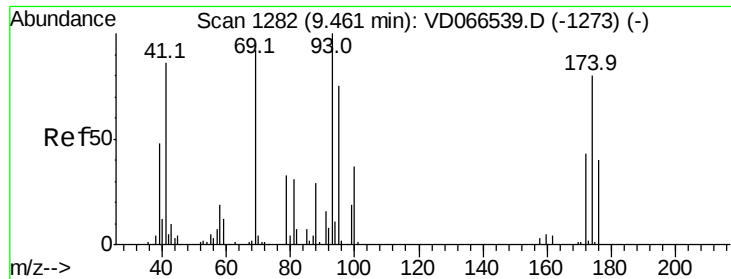
69 92.2 64.5 96.7

39 65.3 46.6 69.8



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: 444.971 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS02

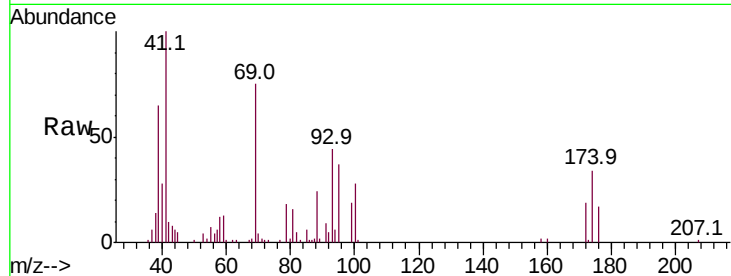
Tot Ion: 88 Resp: 10563

Ion Ratio Lower Upper

88 100

43 38.1 28.3 42.5

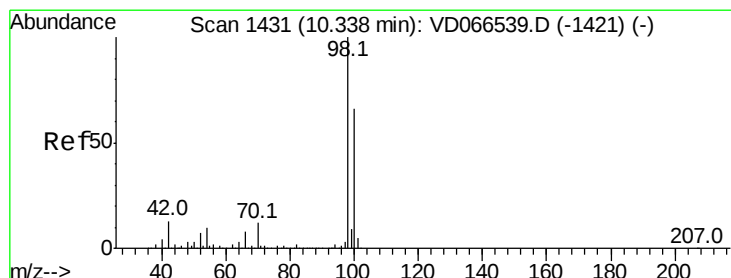
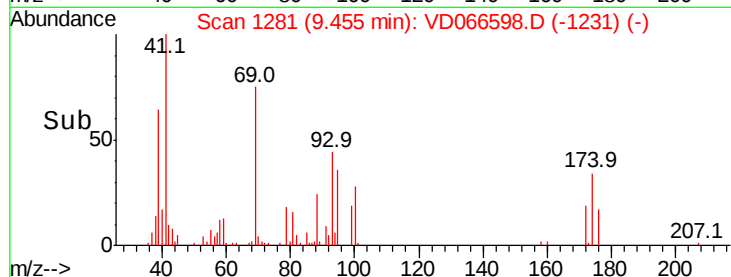
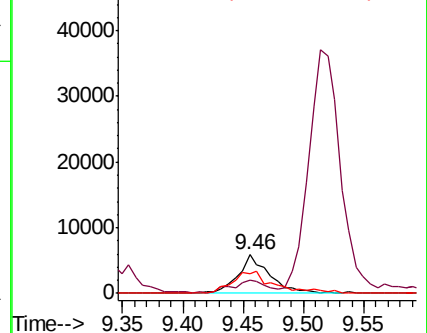
58 69.3 56.1 84.1



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: 55.506 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066598.D

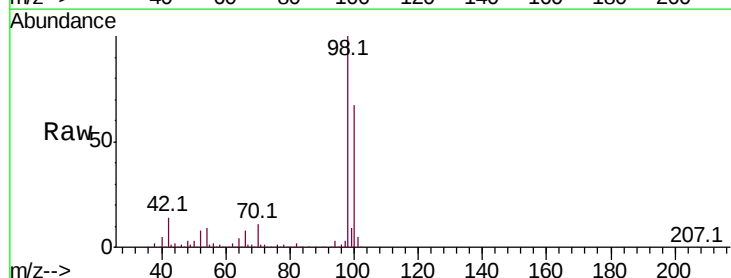
Acq: 09 Sep 2020 23:54

Tgt Ion: 98 Resp: 732294

Ion Ratio Lower Upper

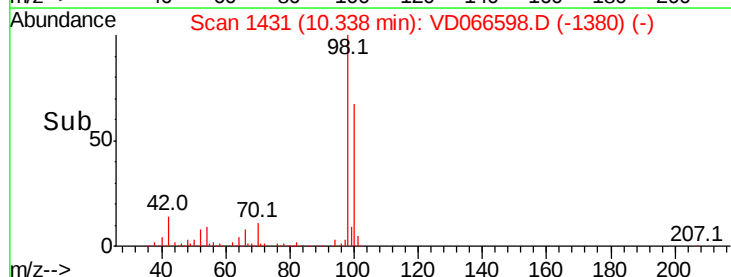
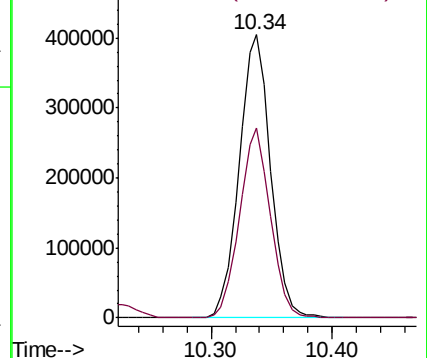
98 100

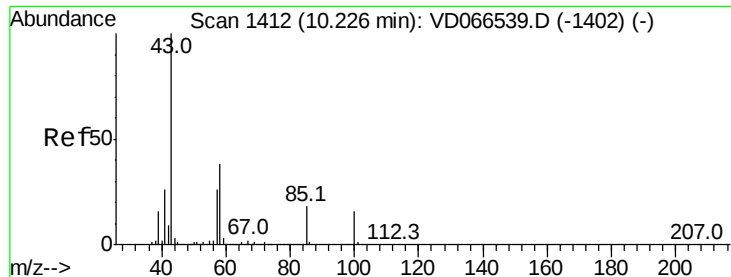
100 65.9 52.9 79.3



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: 112.182 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

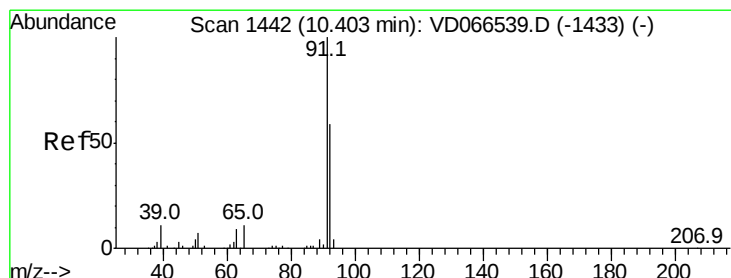
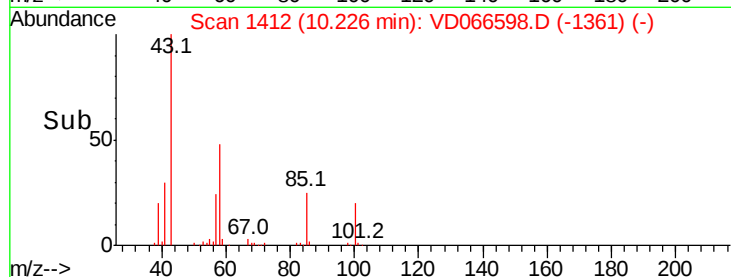
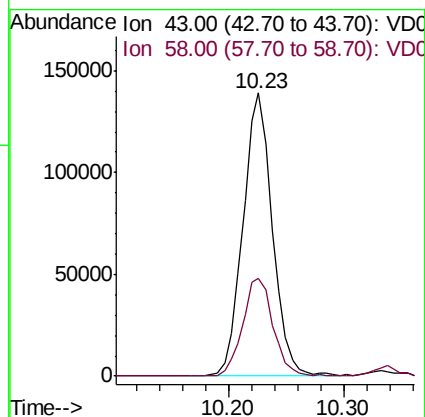
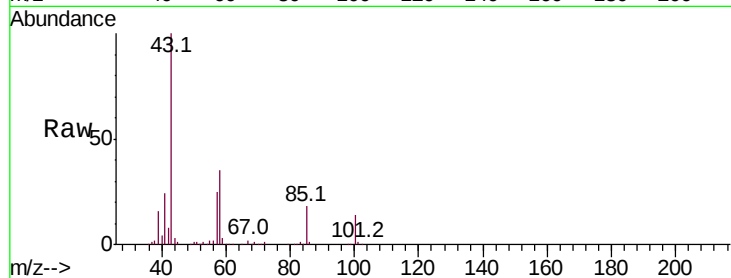
VD0909SBS02

Tot Ion: 43 Resp: 245844

Ion Ratio Lower Upper

43 100

58 36.0 30.5 45.7



#52

Toluene

Concen: 21.444 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066598.D

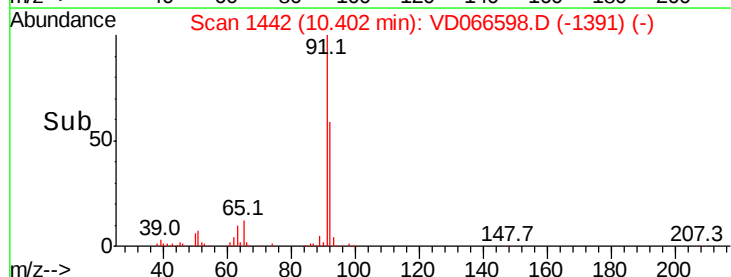
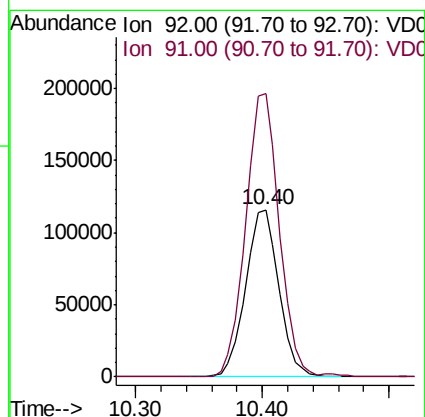
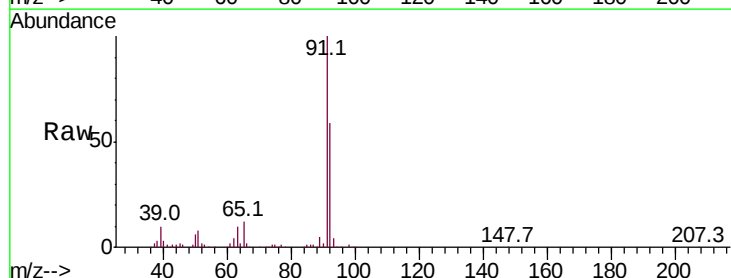
Acq: 09 Sep 2020 23:54

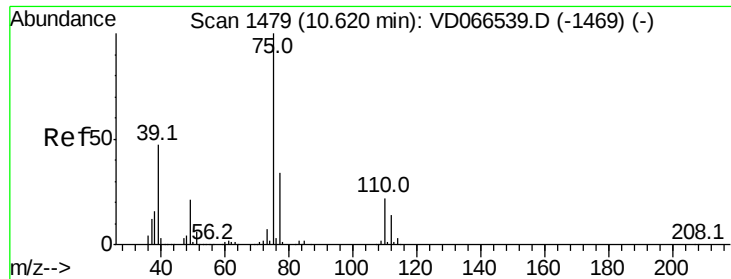
Tgt Ion: 92 Resp: 211701

Ion Ratio Lower Upper

92 100

91 171.9 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 21.277 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

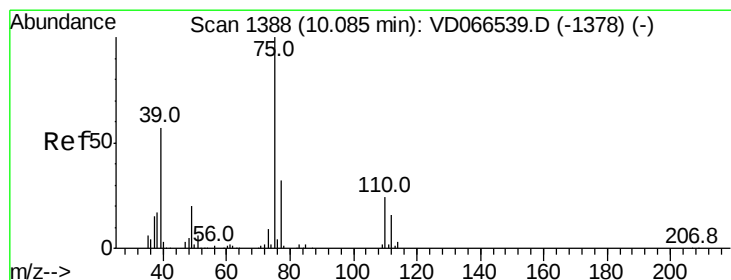
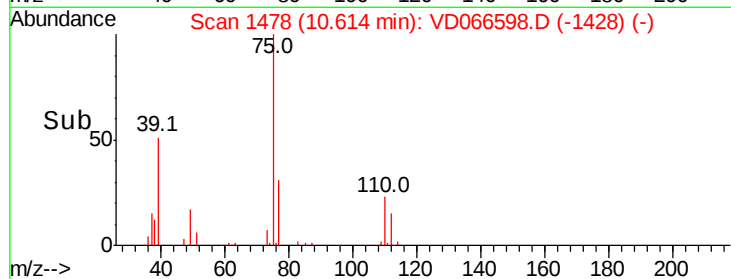
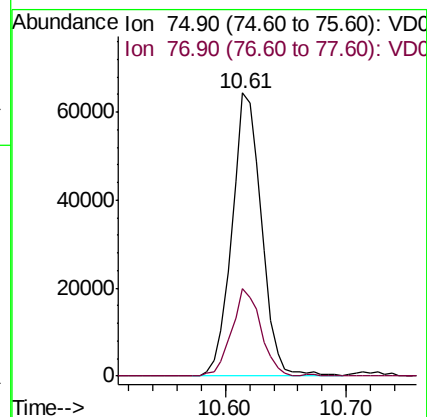
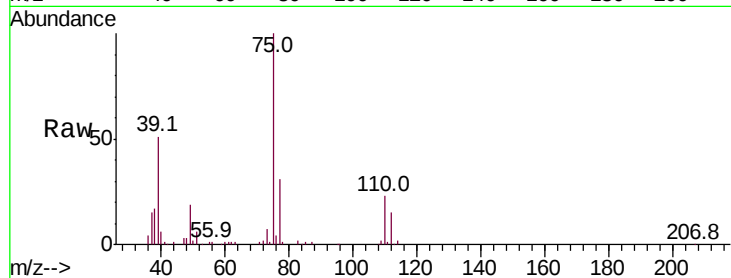
VD0909SBS02

Tot Ion: 75 Resp: 109959

Ion Ratio Lower Upper

75 100

77 30.8 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 20.897 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

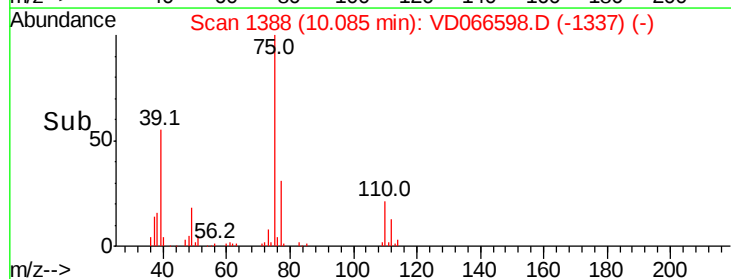
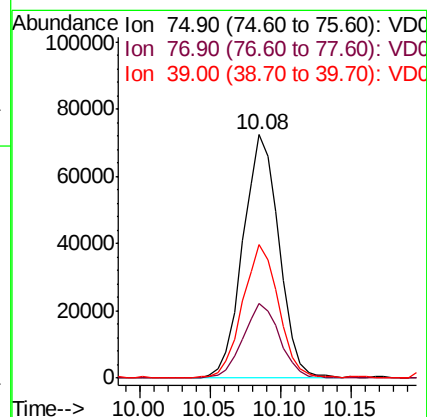
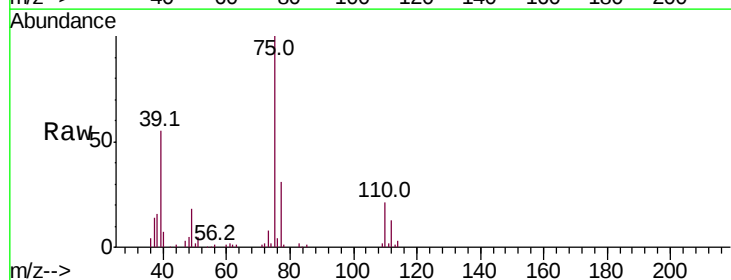
Tgt Ion: 75 Resp: 129688

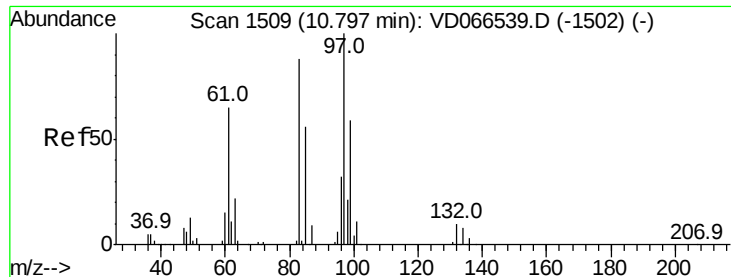
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 54.8 45.4 68.0

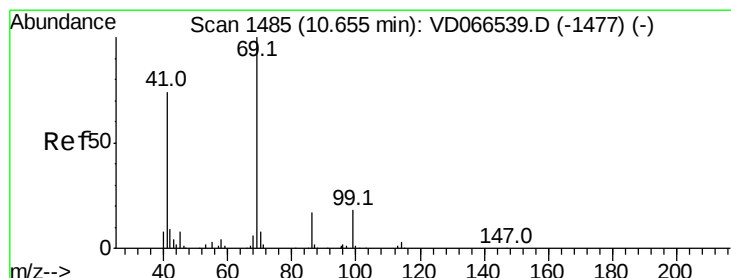
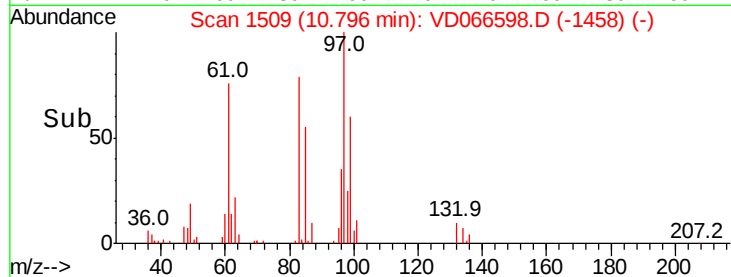
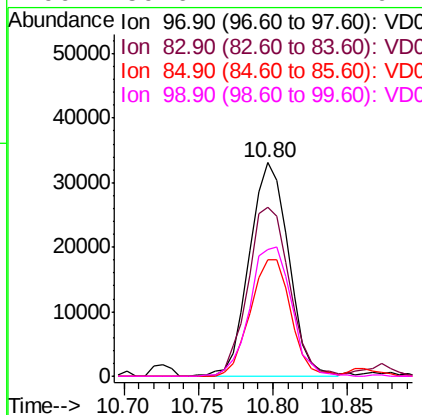
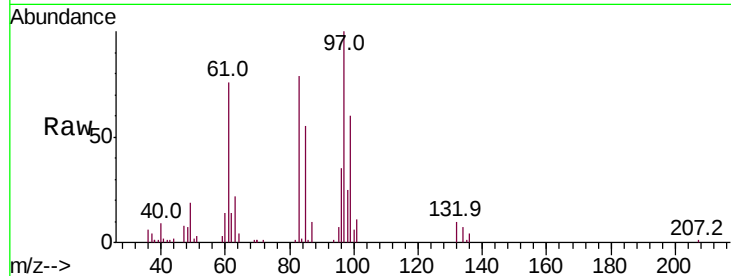




#55
 1,1,2-Trichloroethane
 Concen: 21.646 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

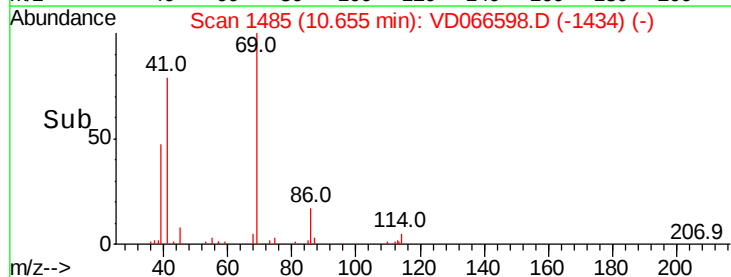
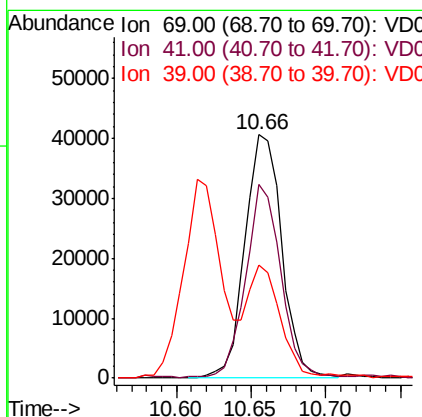
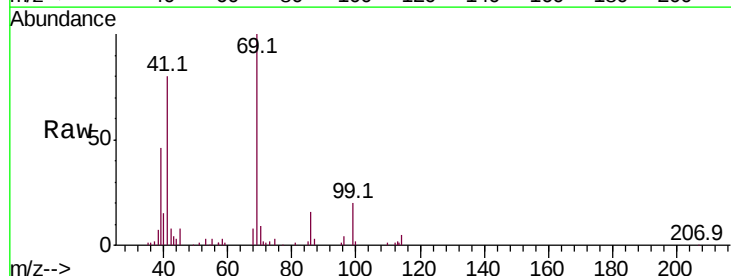
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

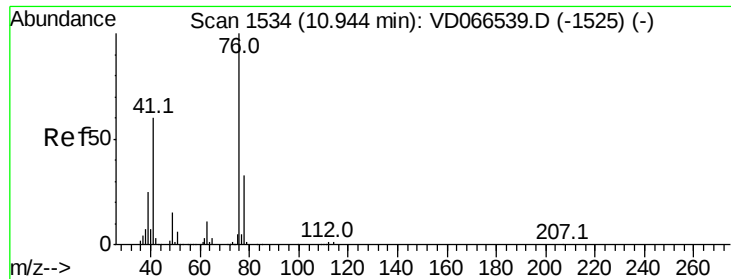
Tot Ion:	97	Resp:	60221
Ion	Ratio	Lower	Upper
97	100		
83	79.1	70.1	105.1
85	54.8	44.5	66.7
99	59.6	47.1	70.7



#56
 Ethyl methacrylate
 Concen: 21.410 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion:	69	Resp:	69353
Ion	Ratio	Lower	Upper
69	100		
41	76.4	56.8	85.2
39	45.2	30.6	46.0





#57

1,3-Dichloropropane

Concen: 21.832 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

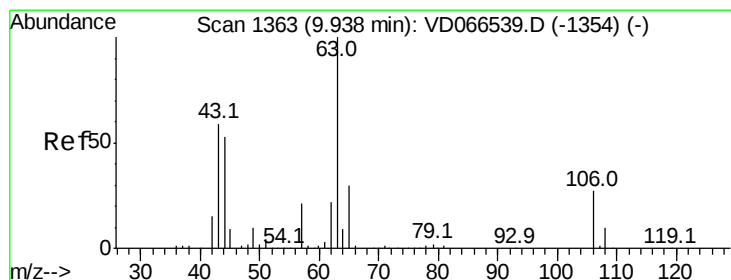
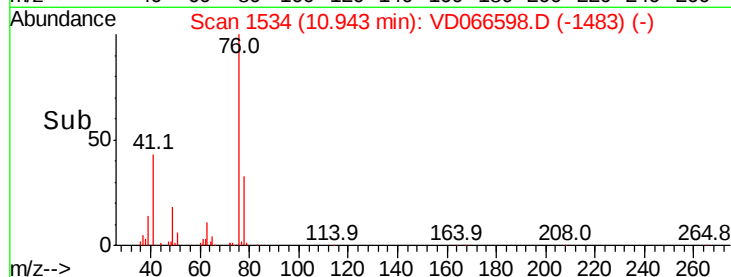
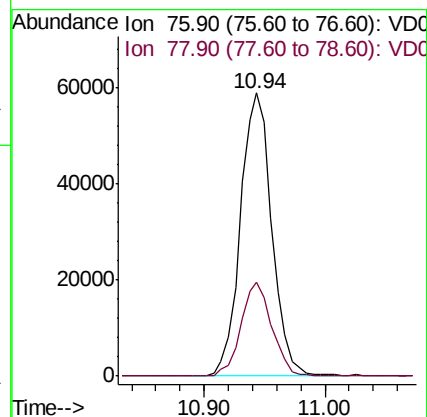
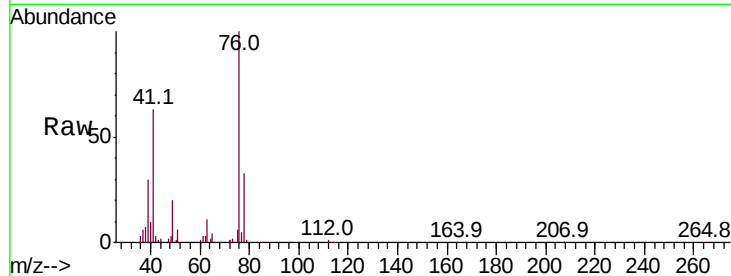
VD0909SBS02

Tot Ion: 76 Resp: 106389

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 126.454 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066598.D

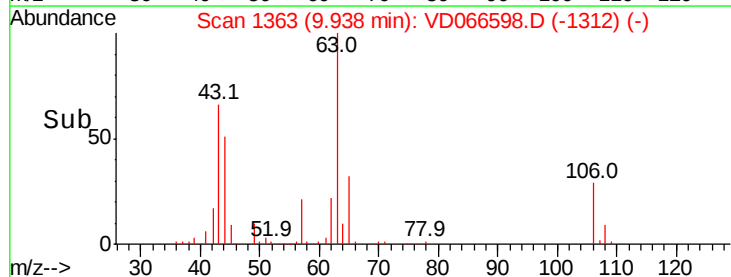
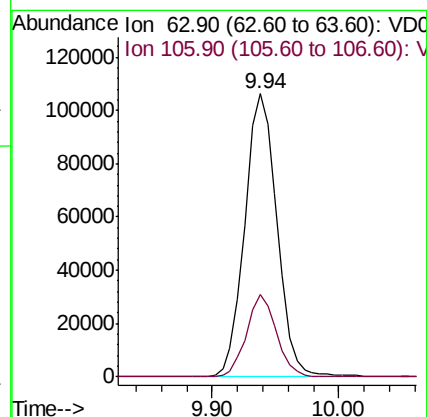
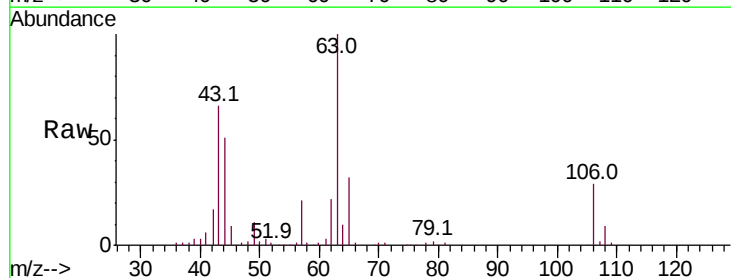
Acq: 09 Sep 2020 23:54

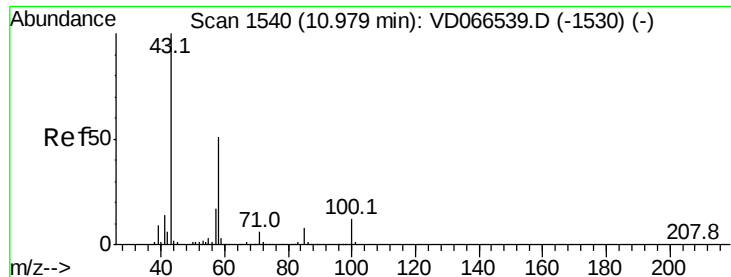
Tgt Ion: 63 Resp: 187361

Ion Ratio Lower Upper

63 100

106 27.1 22.0 33.0

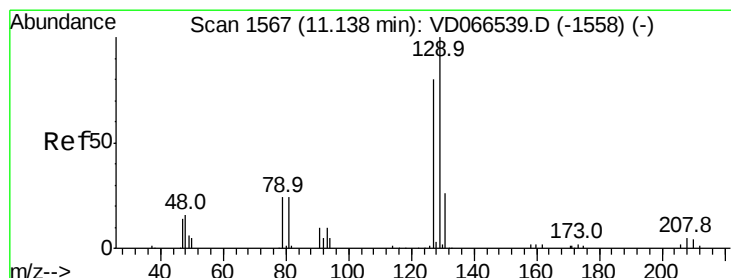
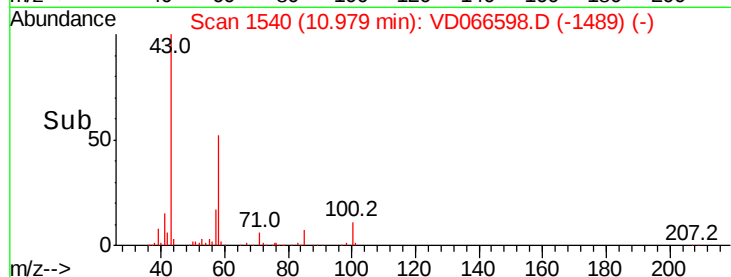
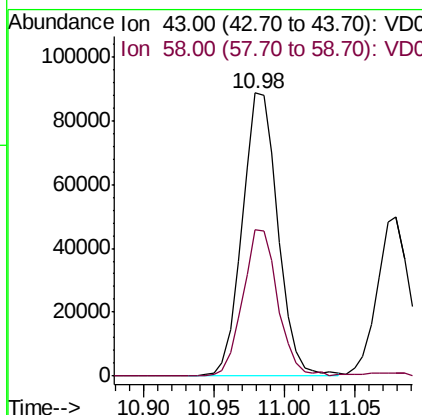
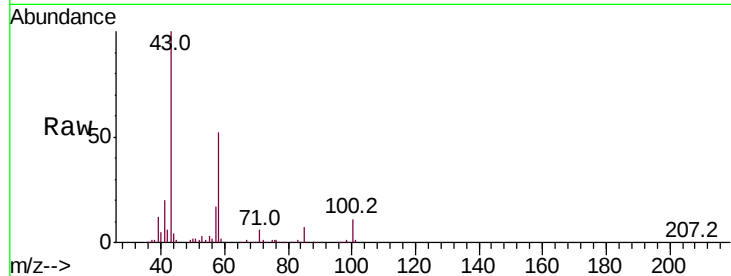




#59
2-Hexanone
Concen: 106.364 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

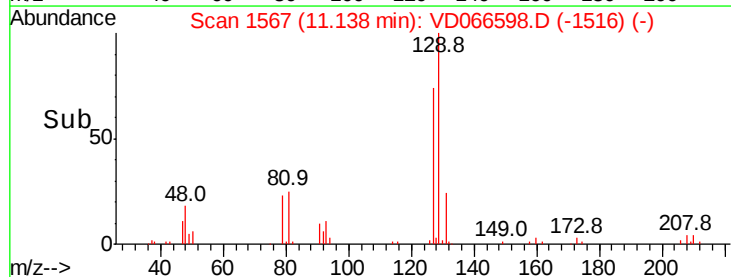
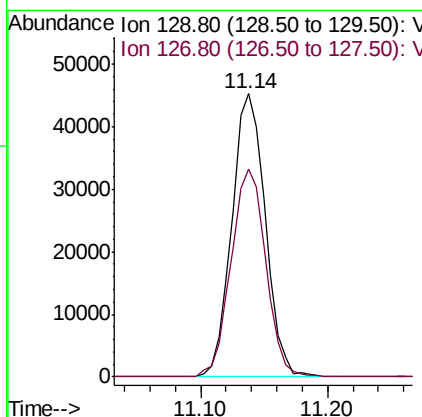
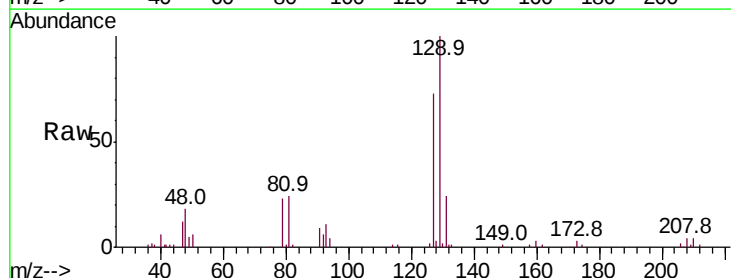
Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

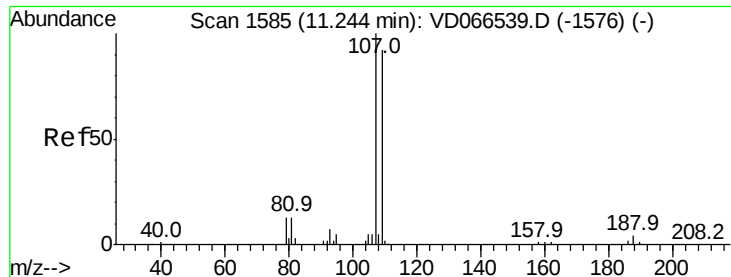
Tot Ion: 43 Resp: 156751
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8



#60
Dibromochloromethane
Concen: 22.430 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion: 129 Resp: 82518
Ion Ratio Lower Upper
129 100
127 76.4 39.5 118.3

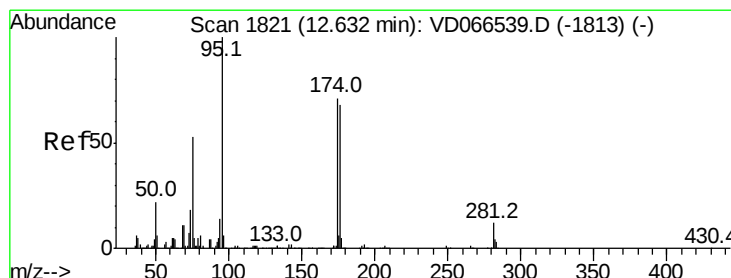
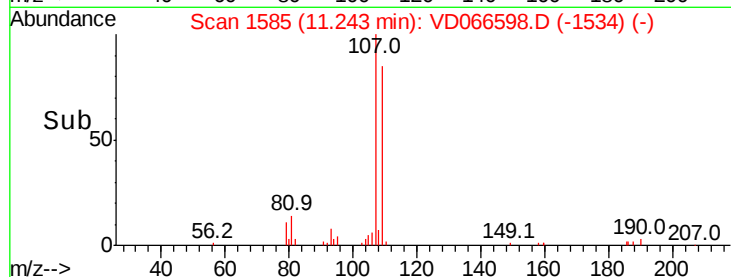
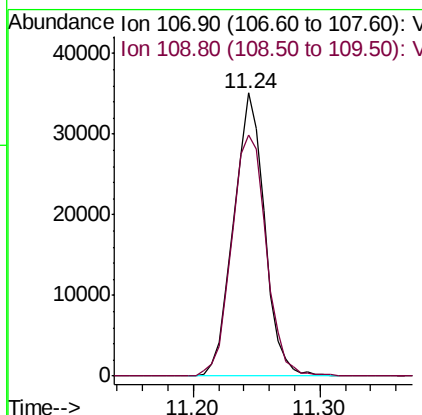
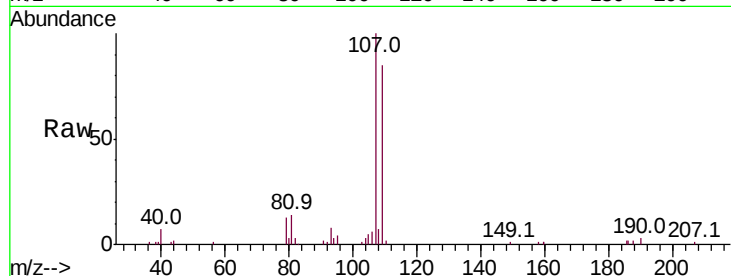




#61
 1,2-Dibromoethane
 Concen: 21.914 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

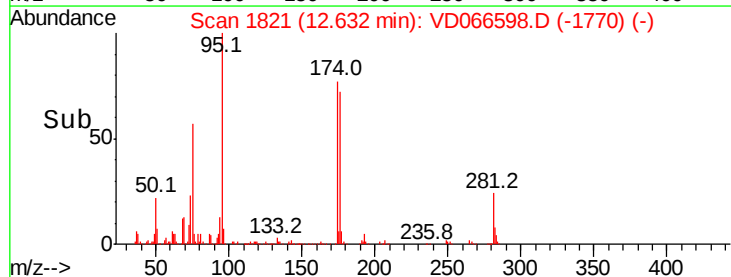
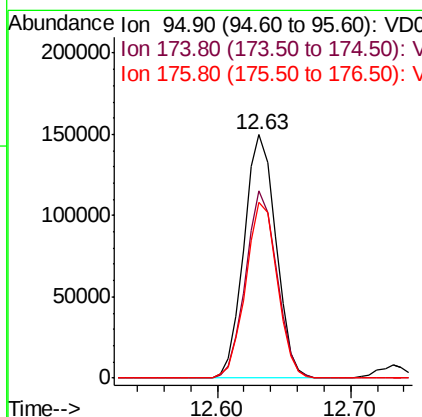
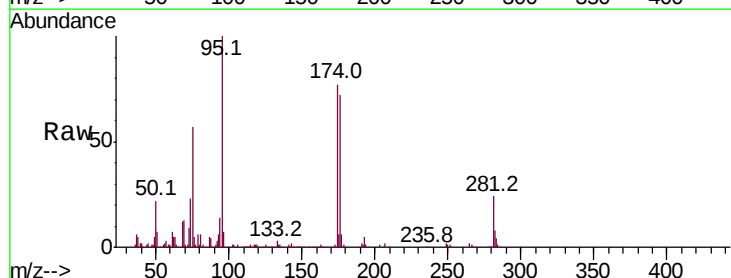
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

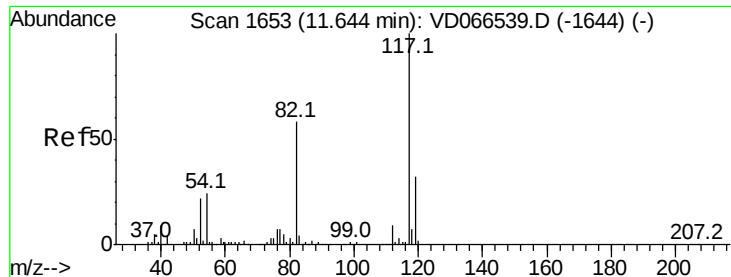
Tot Ion:107 Resp: 59315
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 56.521 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion: 95 Resp: 247260
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 155.8
 176 71.4 0.0 148.6

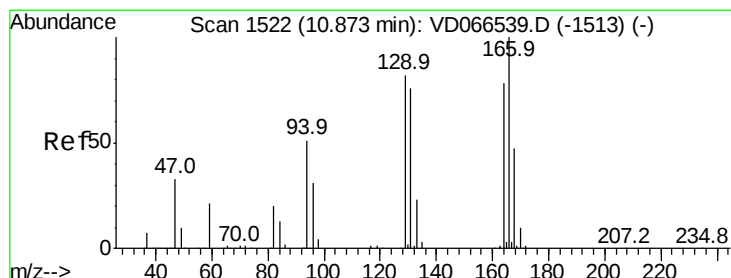
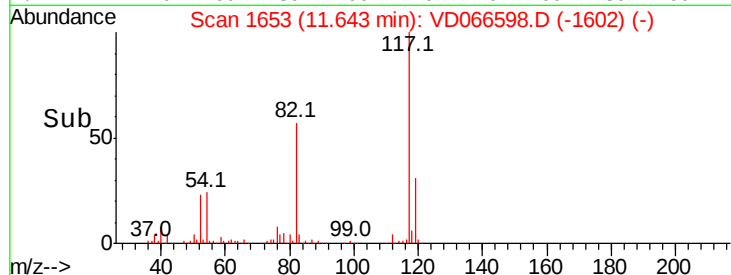
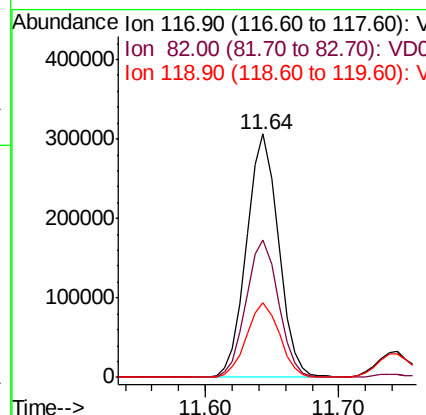
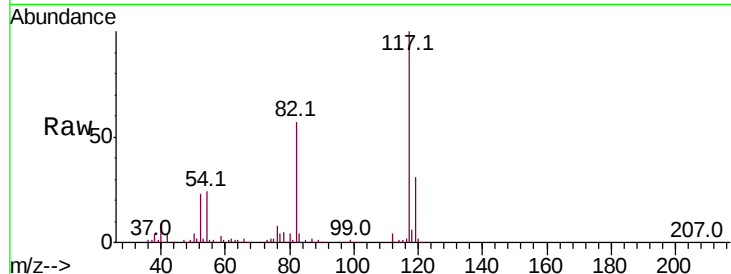




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

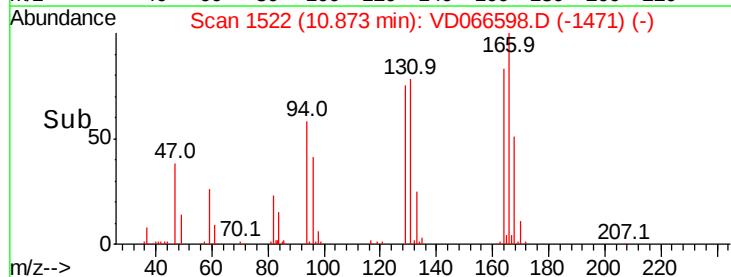
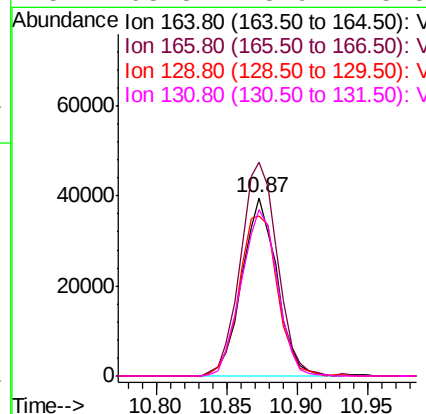
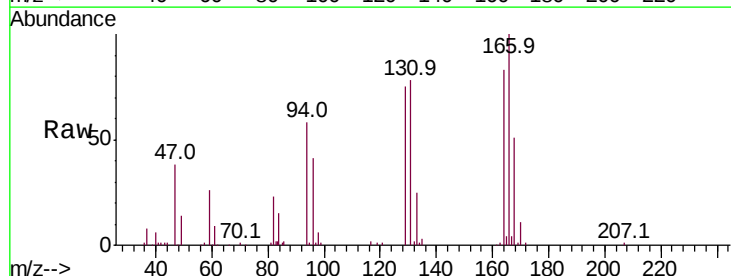
Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

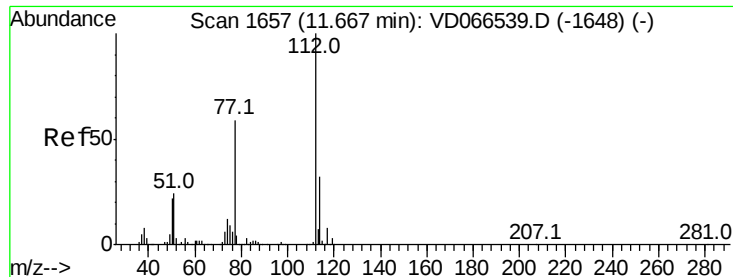
Tot Ion:117 Resp: 507098
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.2
119 30.7 25.8 38.8



#64
Tetrachloroethene
Concen: 20.120 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion:164 Resp: 68696
Ion Ratio Lower Upper
164 100
166 120.0 103.2 154.8
129 89.9 84.5 126.7
131 93.8 78.9 118.3





#65

Chlorobenzene

Concen: 20.947 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

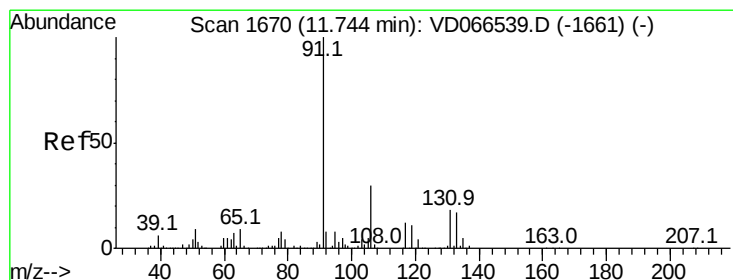
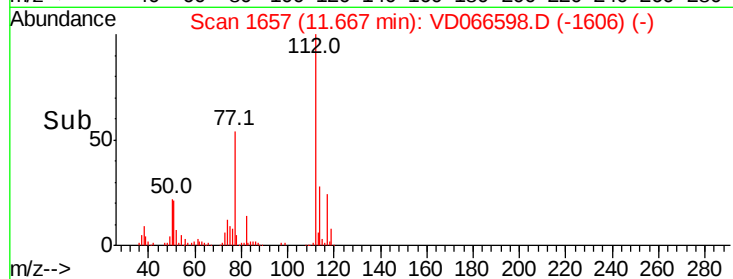
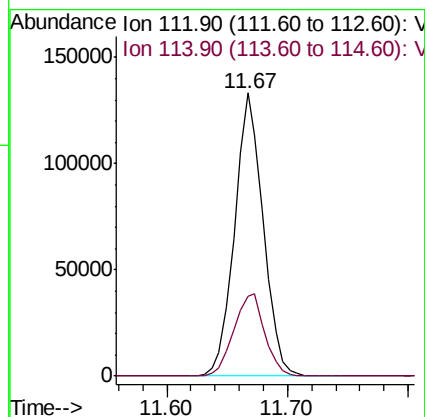
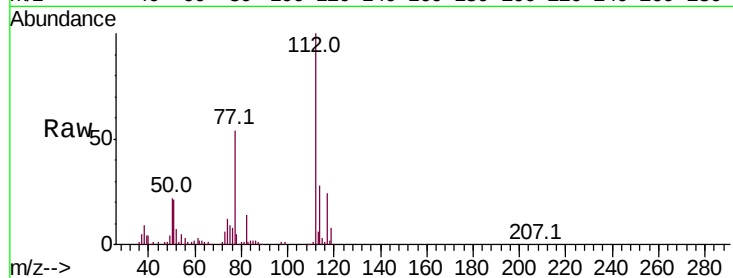
VD0909SBS02

Tot Ion:112 Resp: 219233

Ion Ratio Lower Upper

112 100

114 28.3 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 20.785 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

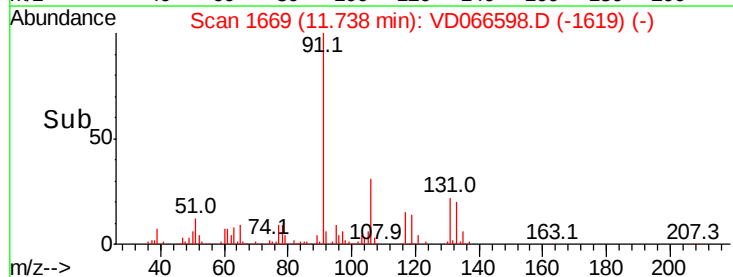
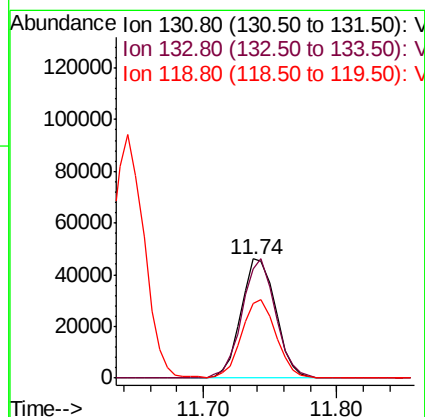
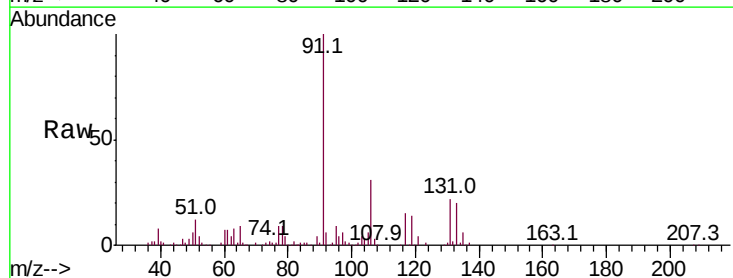
Tgt Ion:131 Resp: 83023

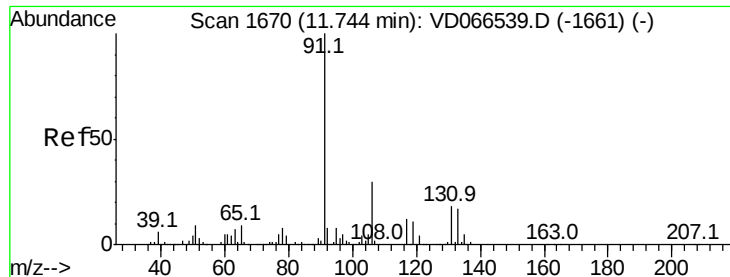
Ion Ratio Lower Upper

131 100

133 96.5 46.7 140.0

119 65.0 31.9 95.7





#67

Ethyl Benzene

Concen: 20.177 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

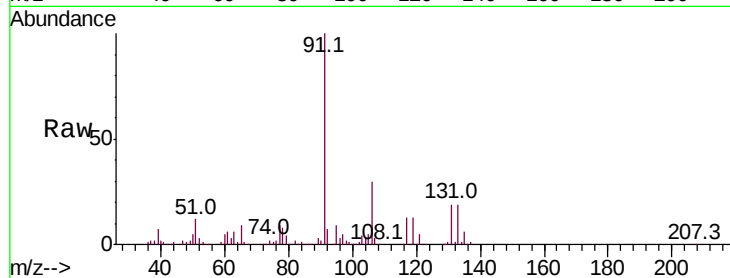
VD0909SBS02

Tot Ion: 91 Resp: 387750

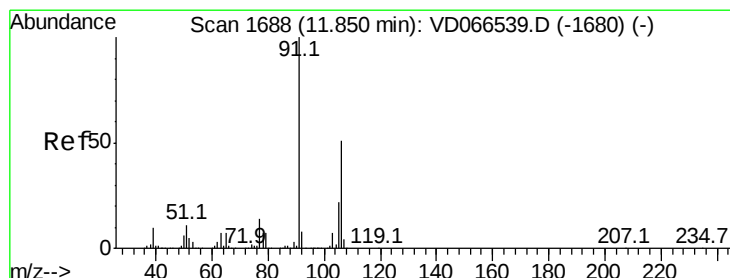
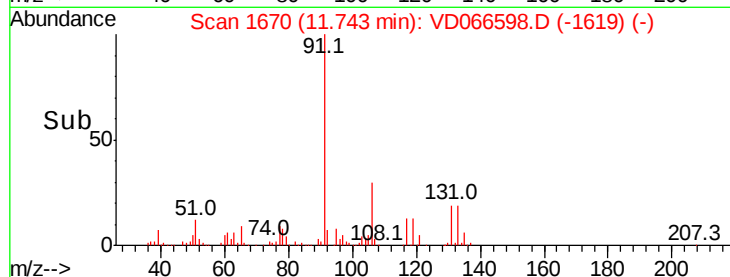
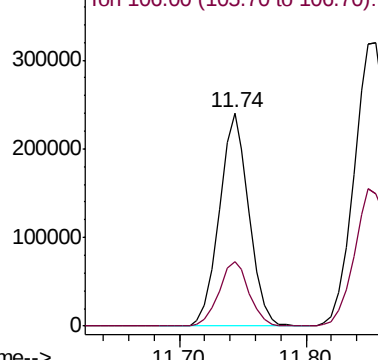
Ion Ratio Lower Upper

91 100

106 30.2 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.590 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066598.D

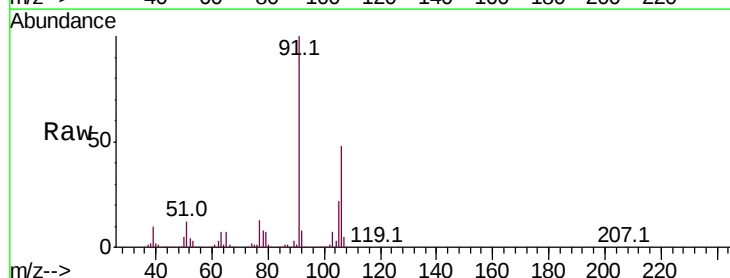
Acq: 09 Sep 2020 23:54

Tgt Ion:106 Resp: 296771

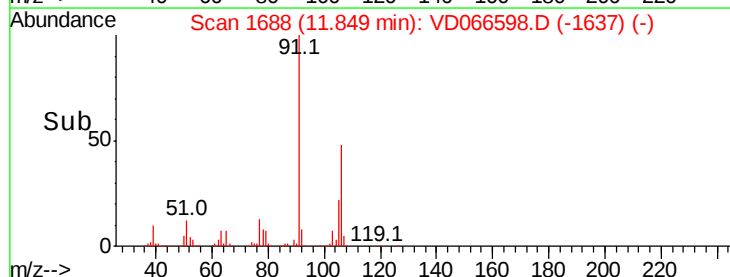
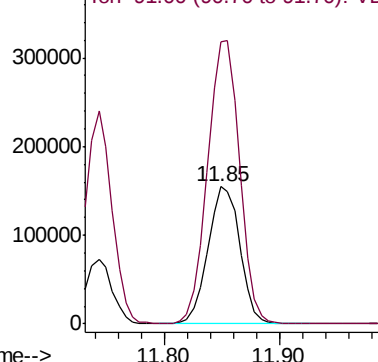
Ion Ratio Lower Upper

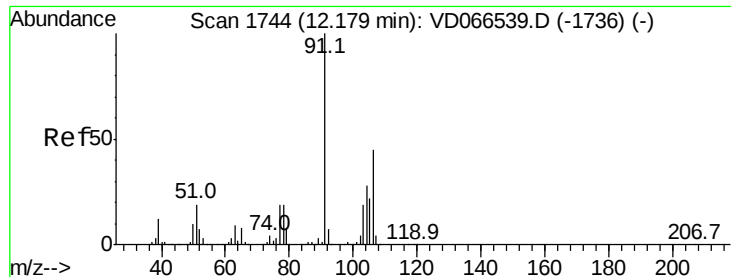
106 100

91 207.3 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): V

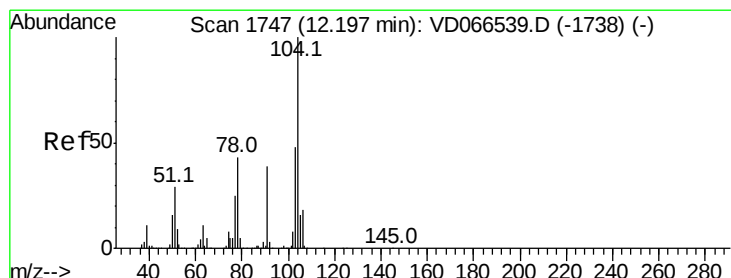
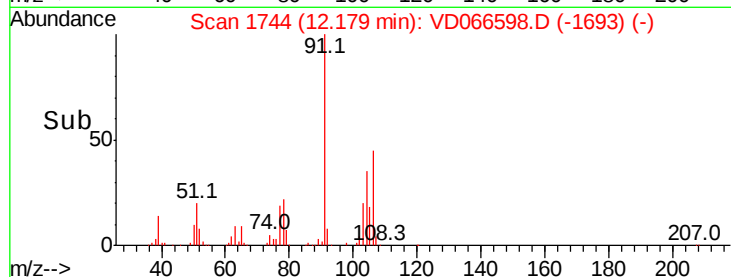
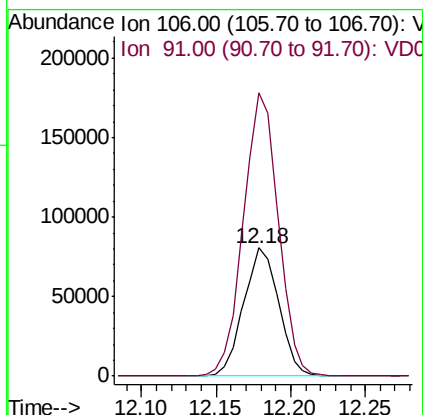
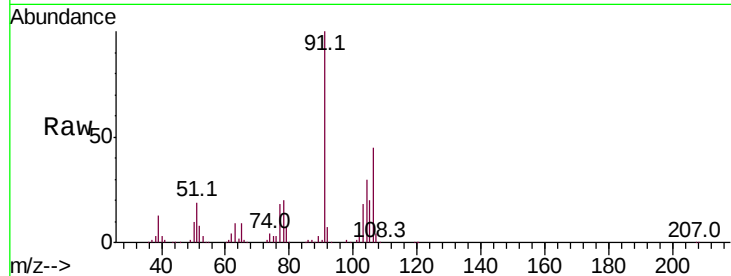




#69
o-Xylene
Concen: 20.710 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

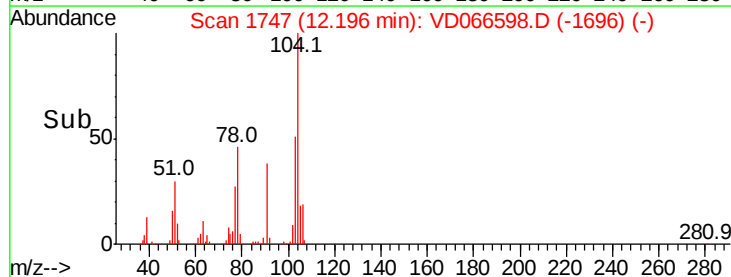
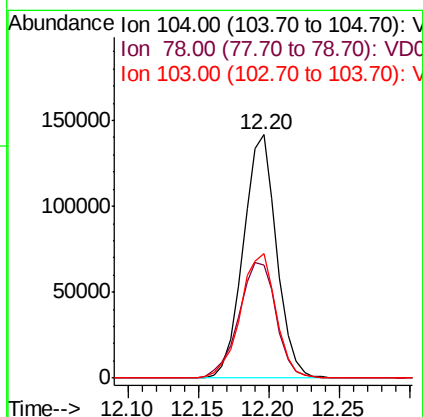
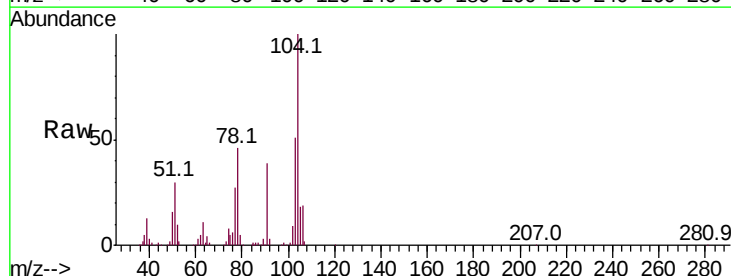
Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

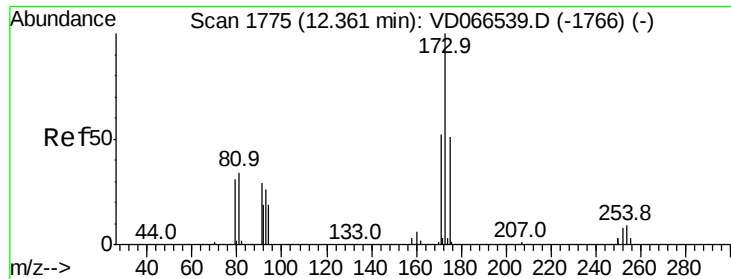
Tot Ion:106 Resp: 132439
Ion Ratio Lower Upper
106 100
91 218.4 107.9 323.8



#70
Styrene
Concen: 21.052 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion:104 Resp: 234045
Ion Ratio Lower Upper
104 100
78 53.4 40.7 61.1
103 54.5 42.9 64.3





#71

Bromoform

Concen: 21.267 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

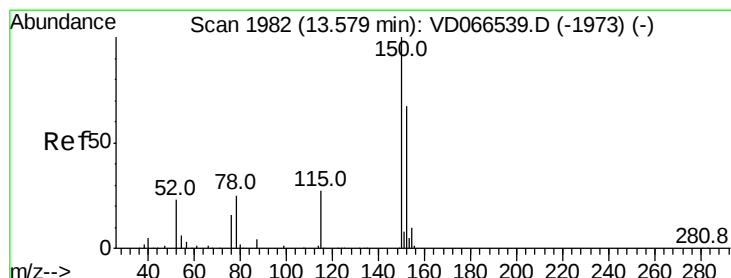
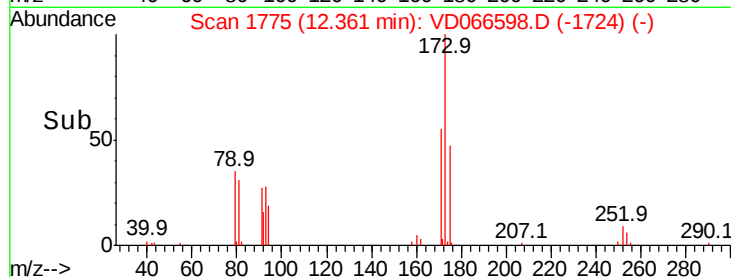
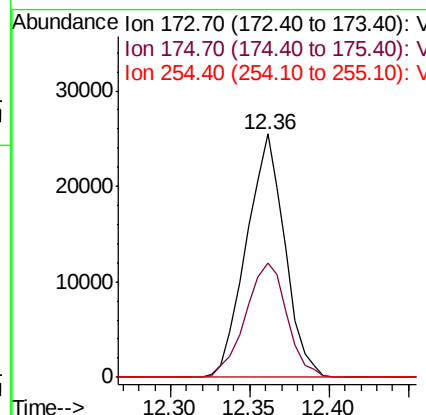
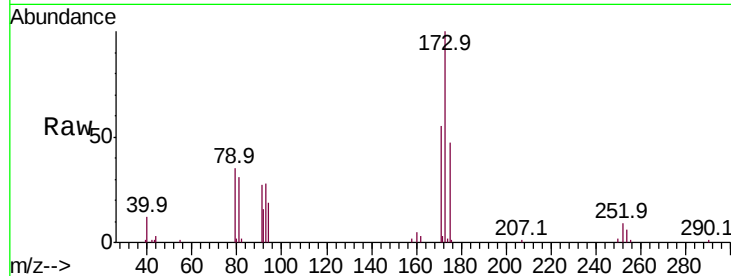
Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

Tot Ion:173 Resp: 42811

Ion	Ratio	Lower	Upper
173	100		
175	50.9	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

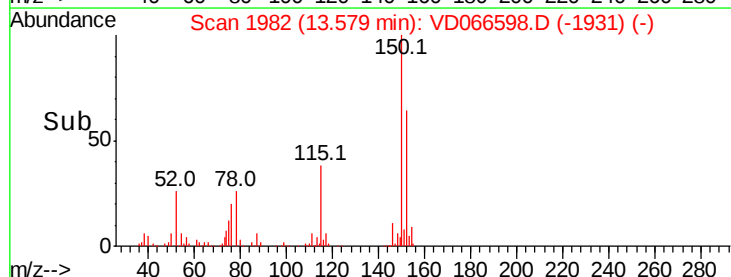
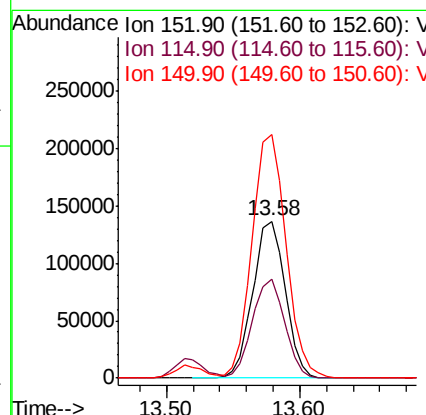
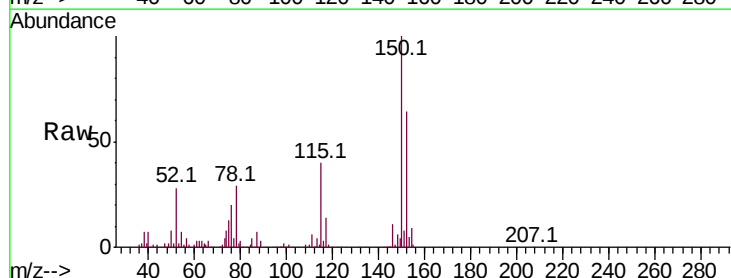
Delta R.T. -0.00 min

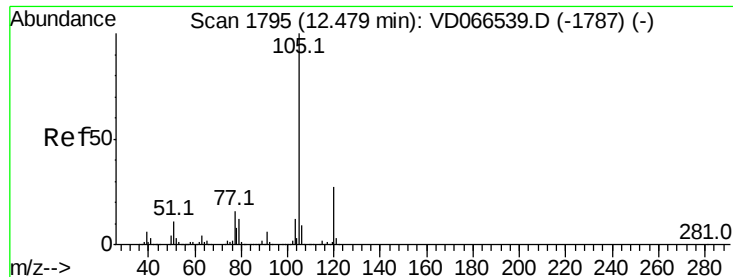
Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Tgt Ion:152 Resp: 228905

Ion	Ratio	Lower	Upper
152	100		
115	63.0	30.4	91.2
150	163.4	0.0	345.8





#73

Isopropylbenzene

Concen: 21.262 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

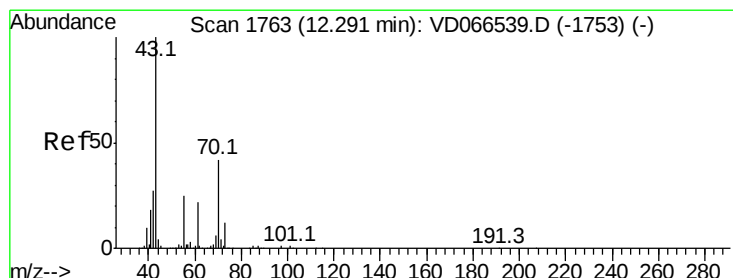
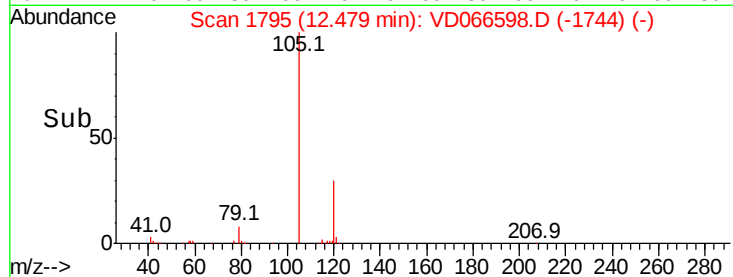
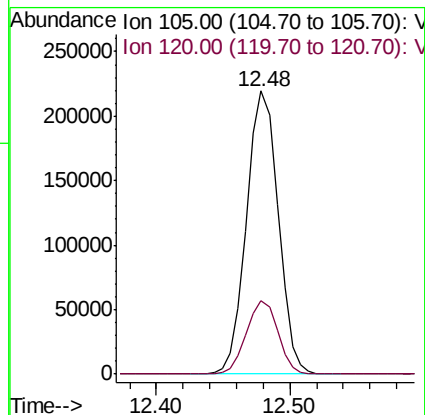
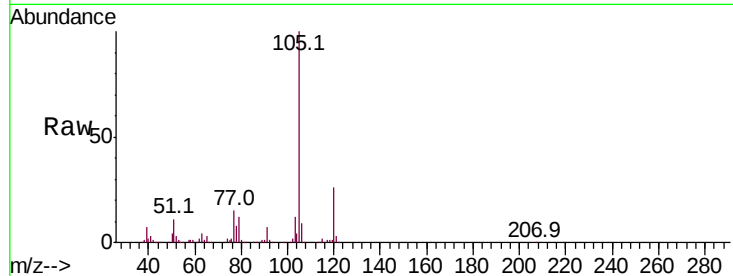
VD0909SBS02

Tot Ion:105 Resp: 360344

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#74

N-ethyl acetate

Concen: 20.696 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Tgt Ion: 43 Resp: 79442

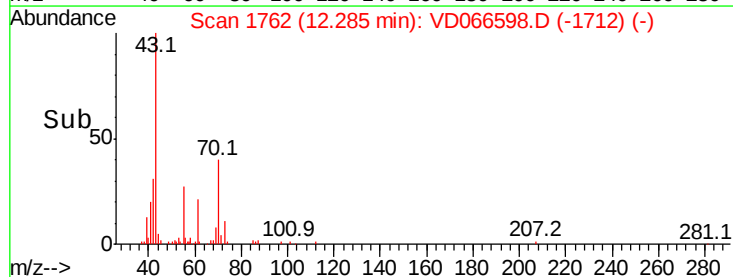
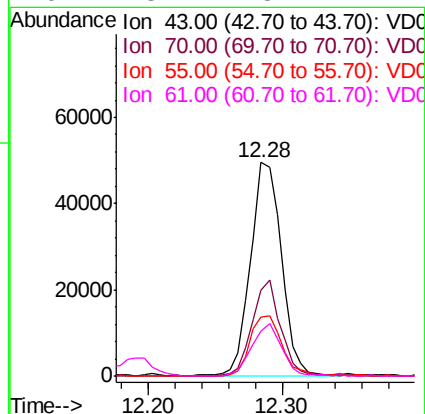
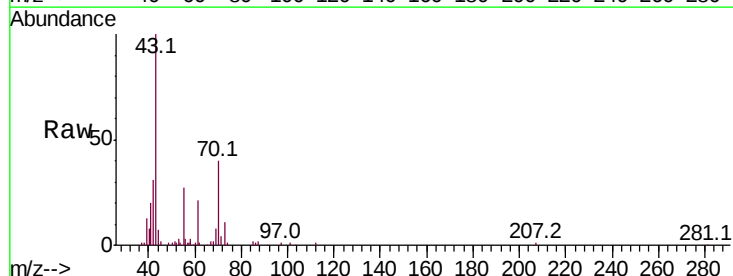
Ion Ratio Lower Upper

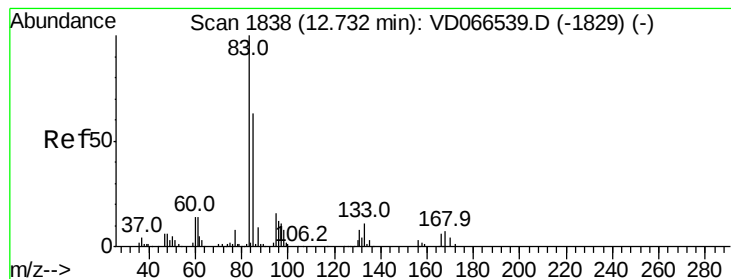
43 100

70 40.8 33.4 50.2

55 28.8 20.1 30.1

61 23.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.817 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS02

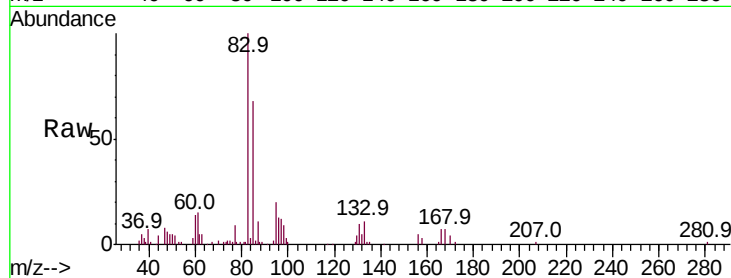
Tot Ion: 83 Resp: 68318

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

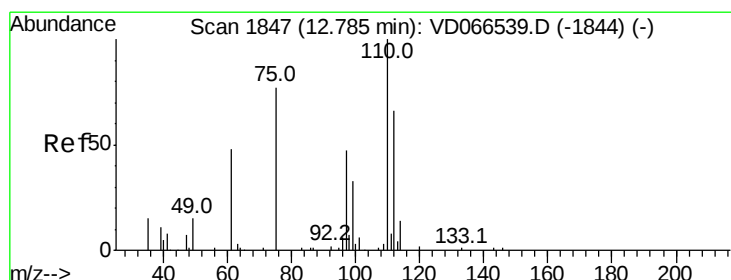
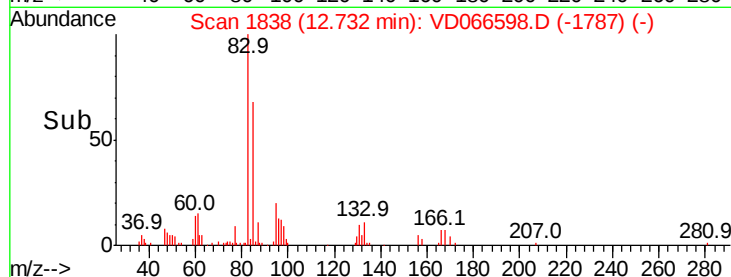
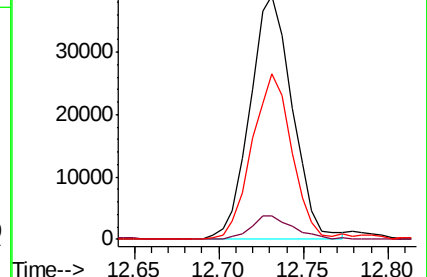
85 63.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.103 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066598.D

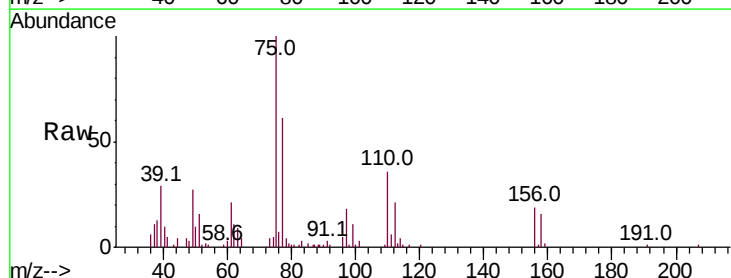
Acq: 09 Sep 2020 23:54

Tgt Ion: 75 Resp: 88284

Ion Ratio Lower Upper

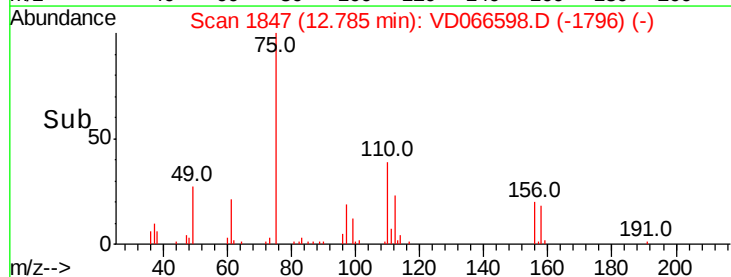
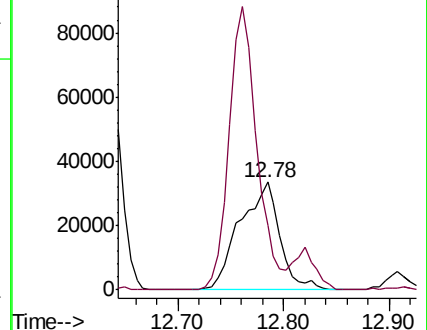
75 100

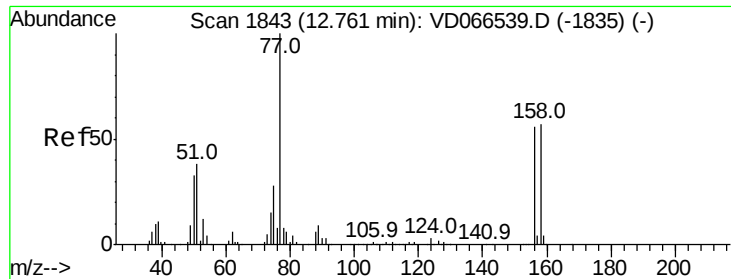
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

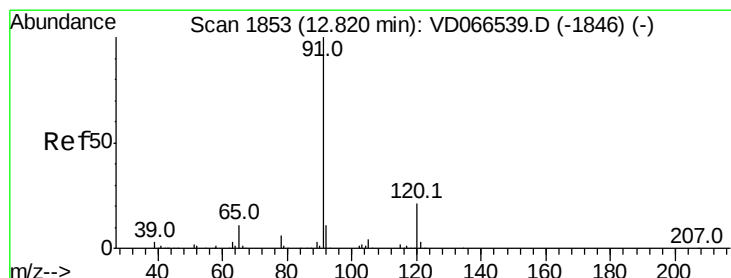
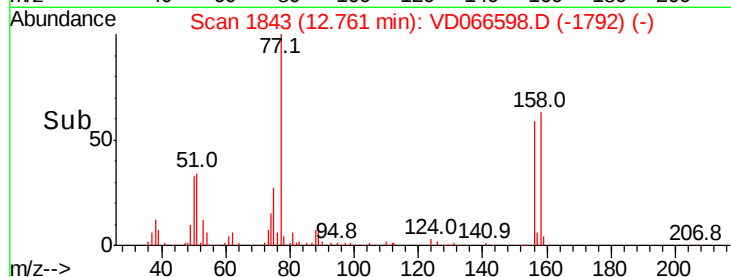
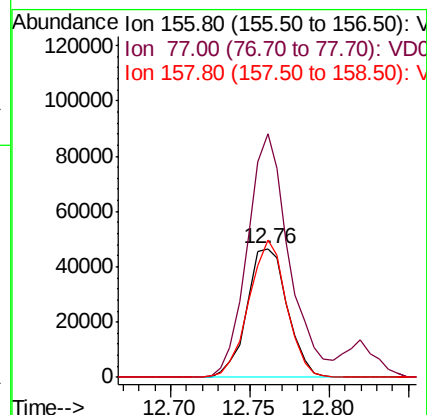
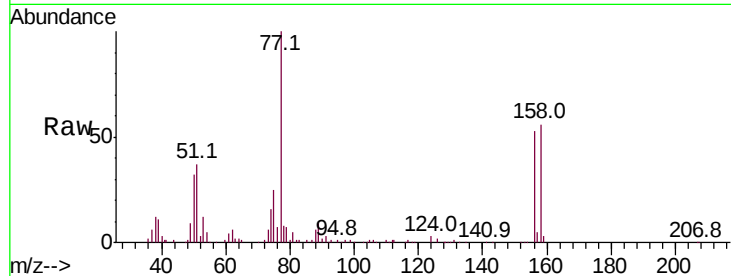




#77
Bromobenzene
Concen: 21.897 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

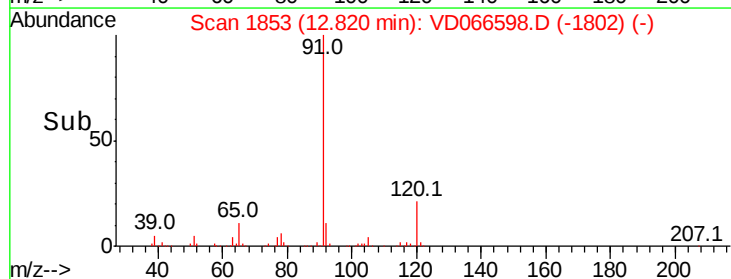
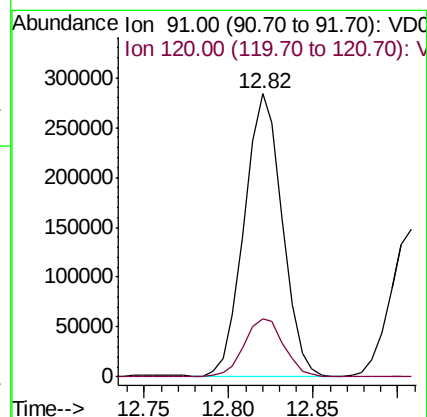
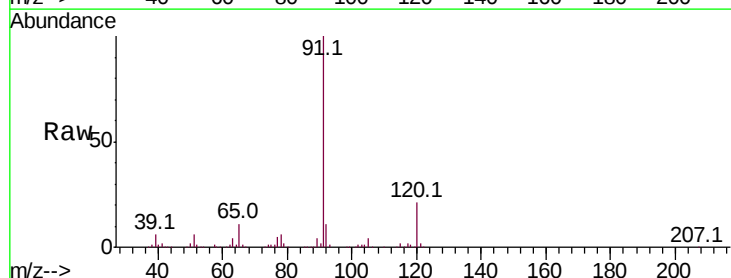
Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

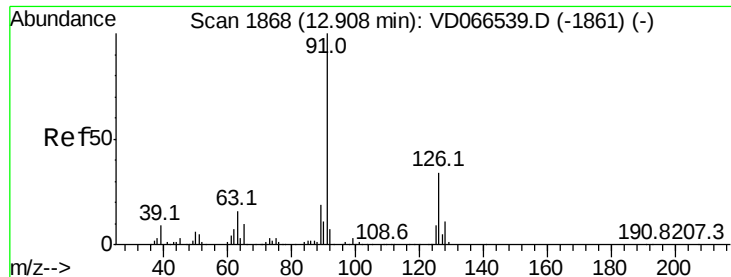
Tot Ion:156 Resp: 82737
Ion Ratio Lower Upper
156 100
77 195.6 98.0 294.1
158 99.2 48.1 144.3



#78
n-propylbenzene
Concen: 21.637 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion: 91 Resp: 444531
Ion Ratio Lower Upper
91 100
120 21.6 11.1 33.1

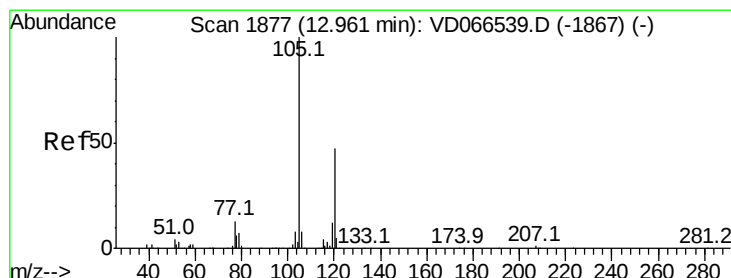
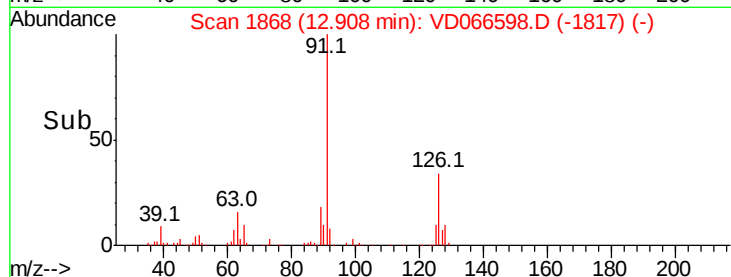
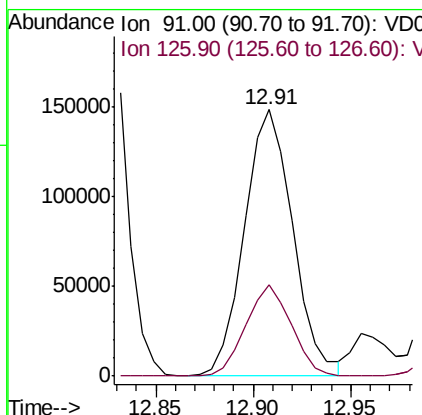
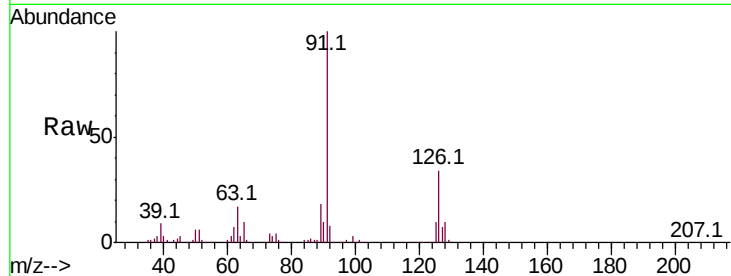




#79
 2-Chlorotoluene
 Concen: 22.111 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

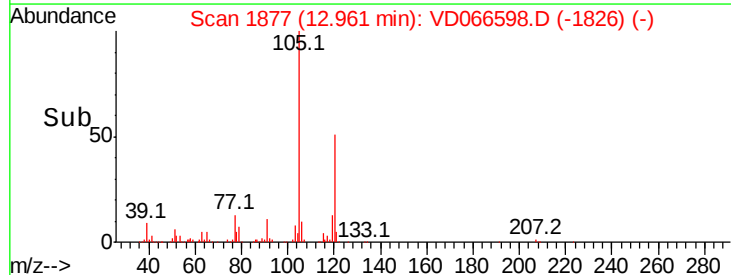
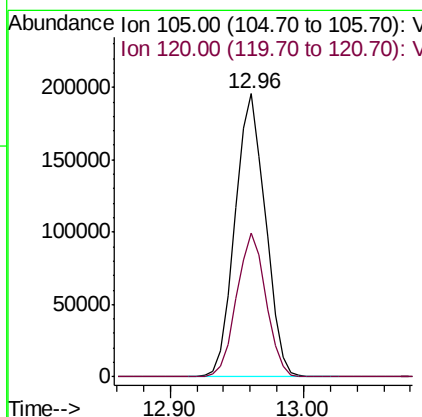
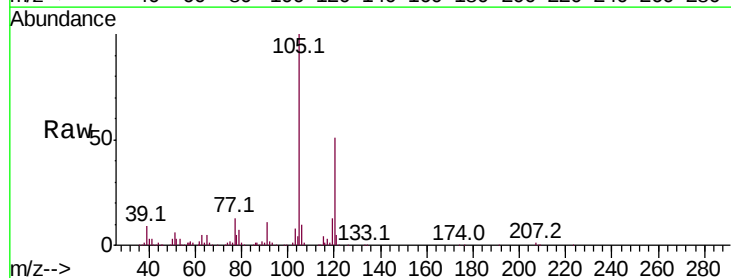
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

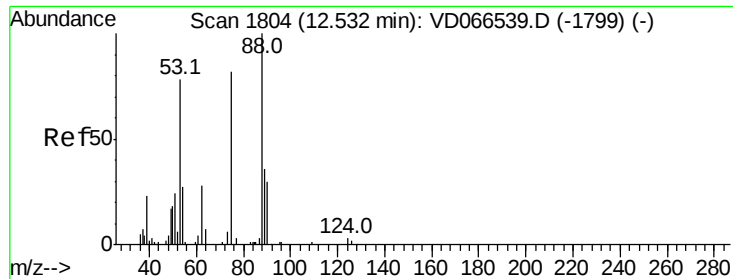
Tot Ion: 91 Resp: 254842
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.639 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion: 105 Resp: 308664
 Ion Ratio Lower Upper
 105 100
 120 49.0 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.443 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS02

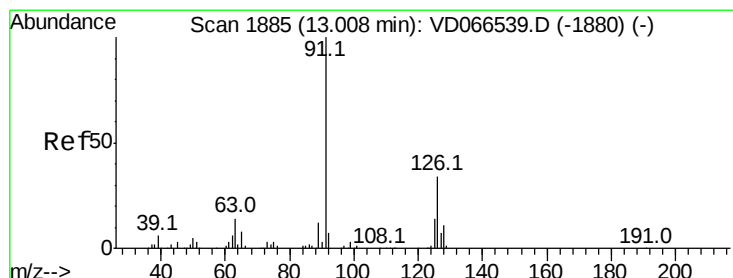
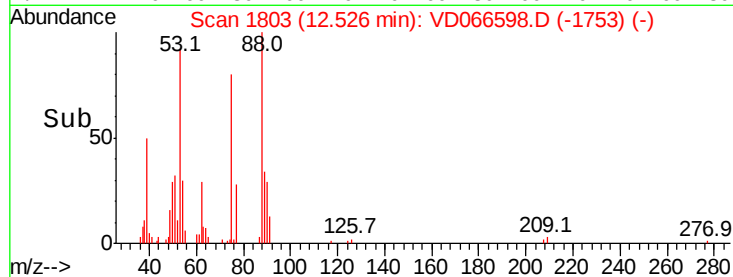
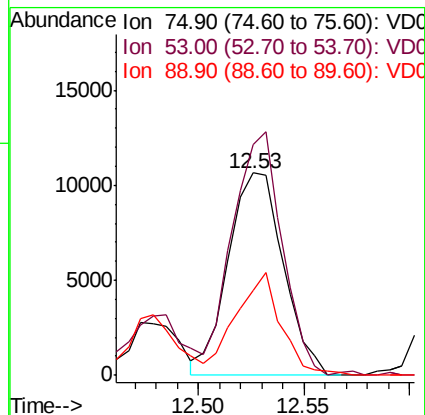
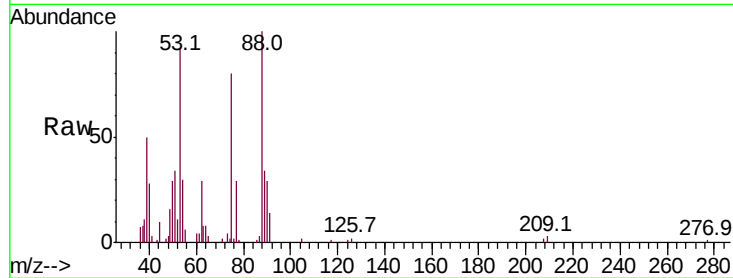
Tot Ion: 75 Resp: 19277

Ion Ratio Lower Upper

75 100

53 108.7 87.0 130.4

89 42.1 37.1 55.7



#82

4-Chlorotoluene

Concen: 21.812 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066598.D

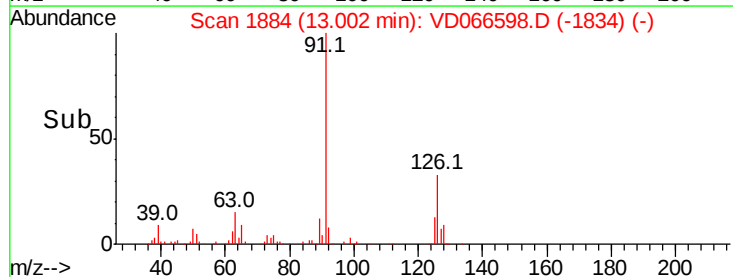
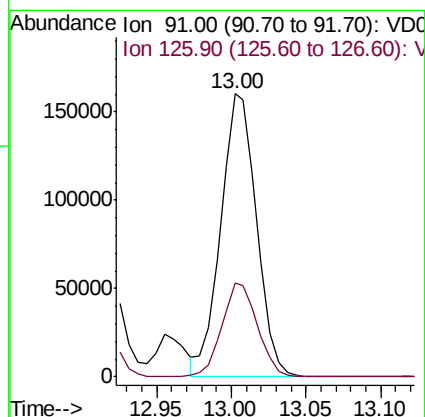
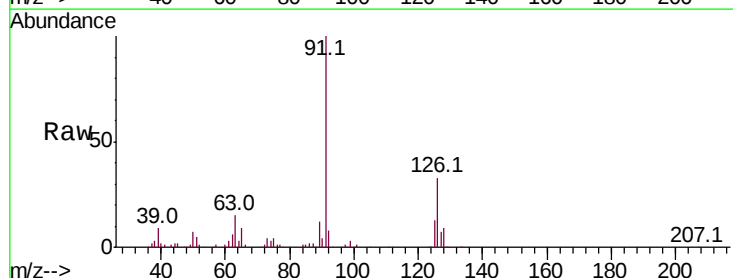
Acq: 09 Sep 2020 23:54

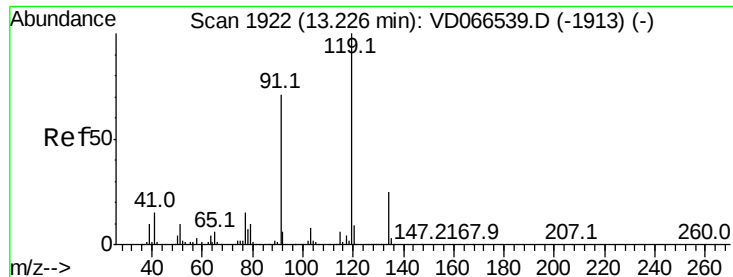
Tgt Ion: 91 Resp: 268839

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.1





#83

tert-Butylbenzene

Concen: 21.797 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

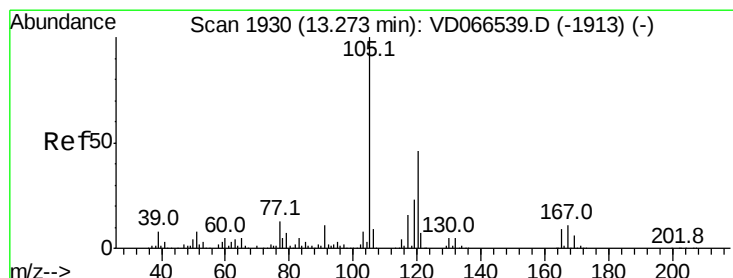
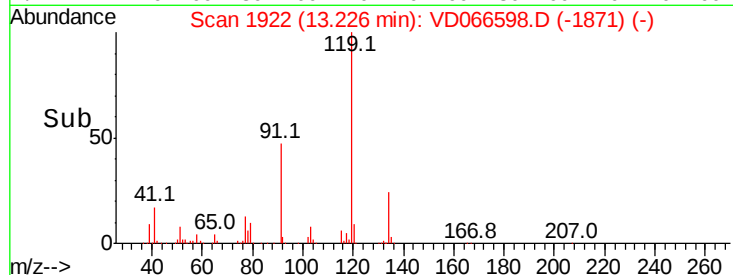
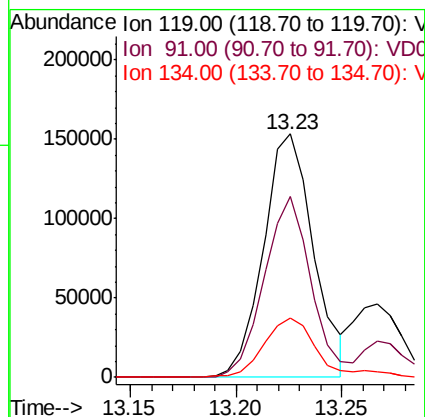
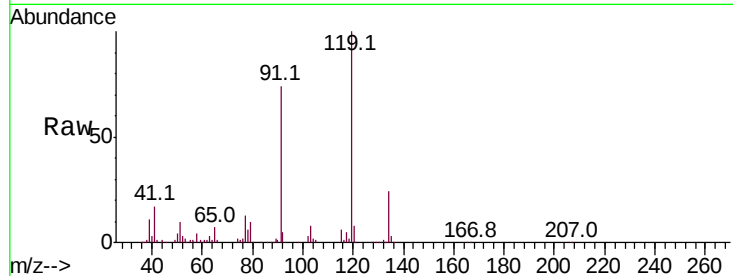
Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

Tot Ion:119 Resp: 253902

Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.2	105.6
134	26.4	13.5	40.5



#84

1,2,4-Trimethylbenzene

Concen: 21.740 ug/l

RT: 13.27 min Scan# 1929

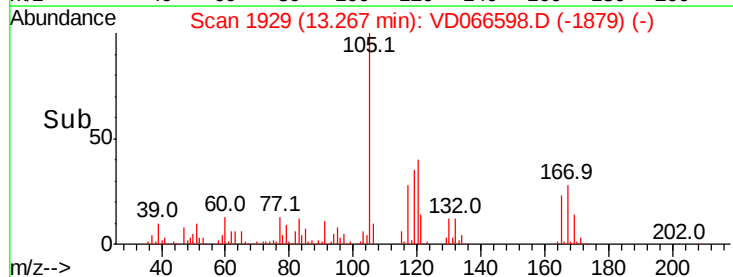
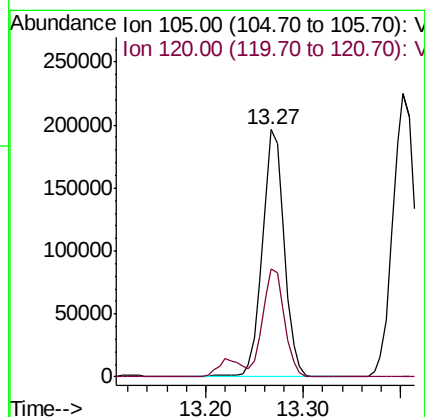
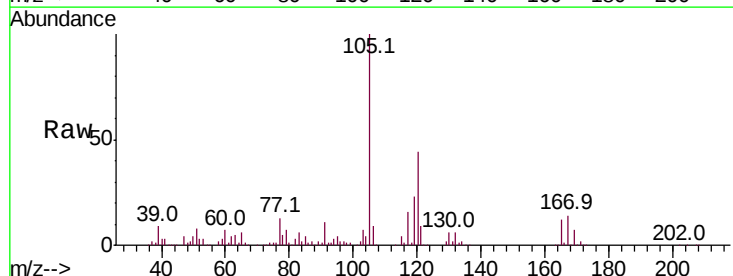
Delta R.T. -0.01 min

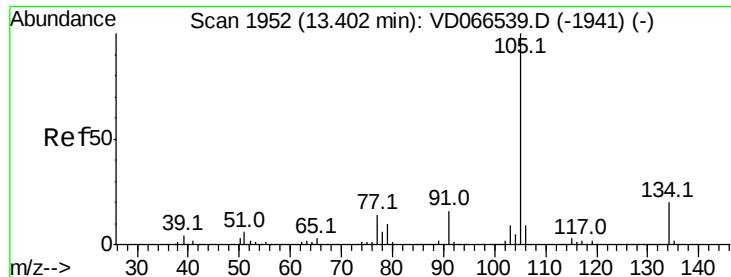
Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Tgt Ion:105 Resp: 308756

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.388 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :

MSVOA_D

ClientSampleId :

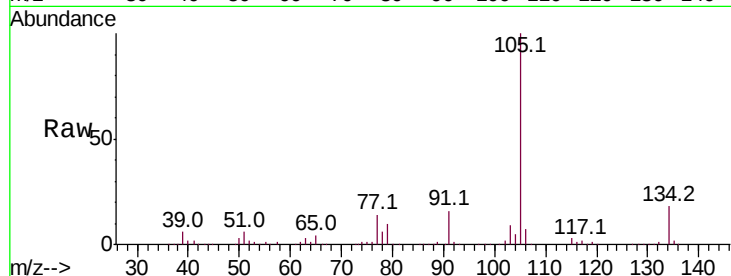
VD0909SBS02

Tot Ion:105 Resp: 358935

Ion Ratio Lower Upper

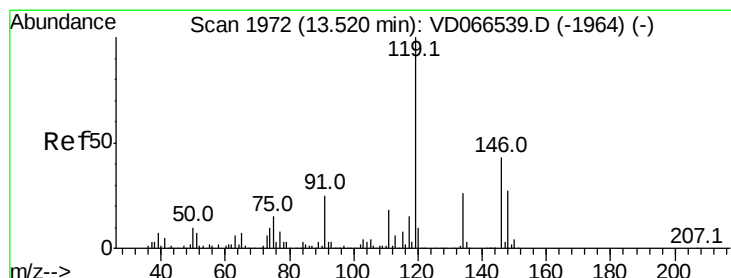
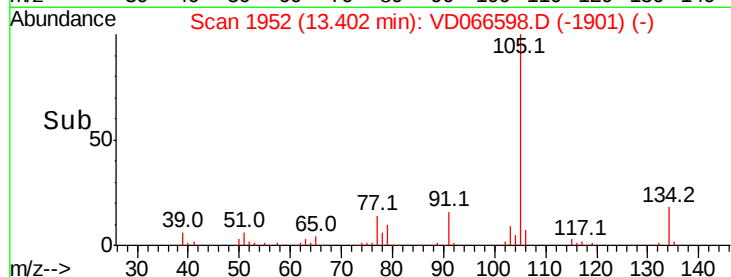
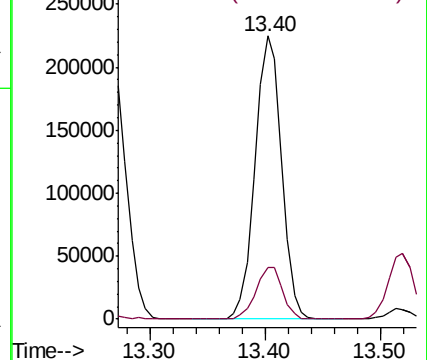
105 100

134 18.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.189 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

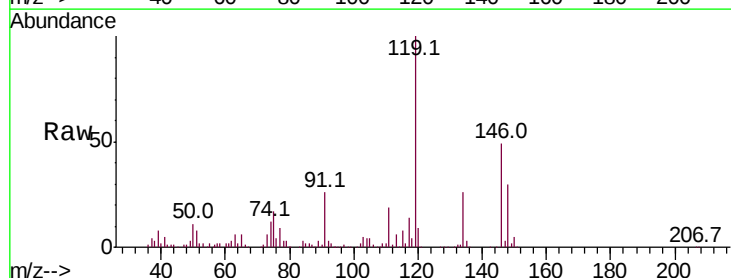
Tgt Ion:119 Resp: 320068

Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.0

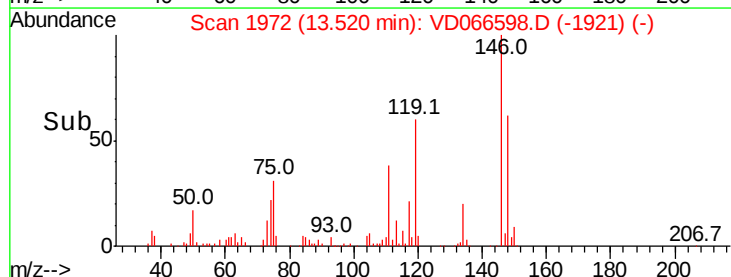
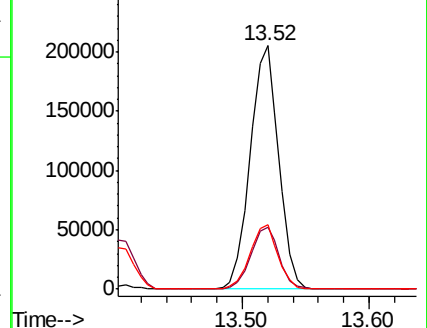
91 25.9 12.5 37.5

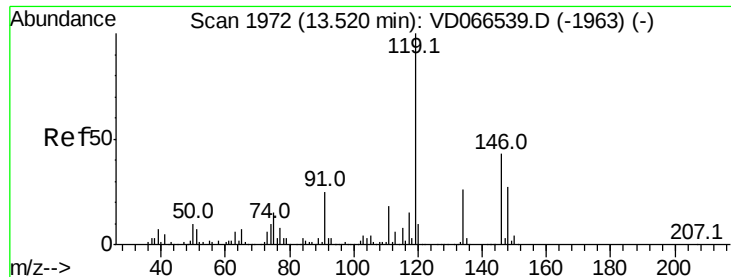


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.665 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

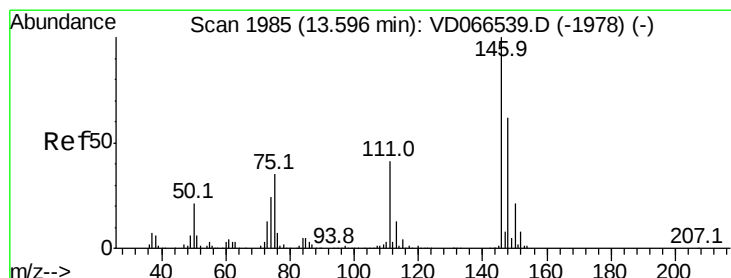
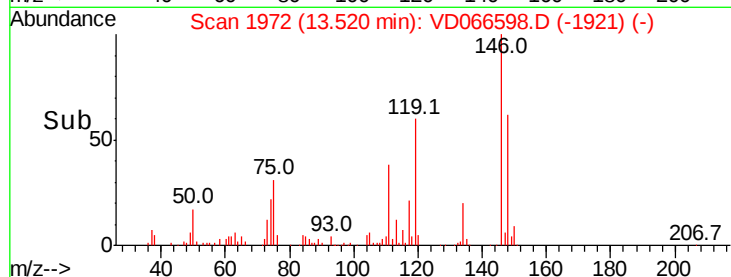
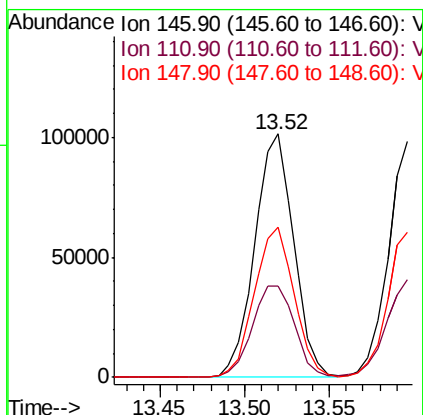
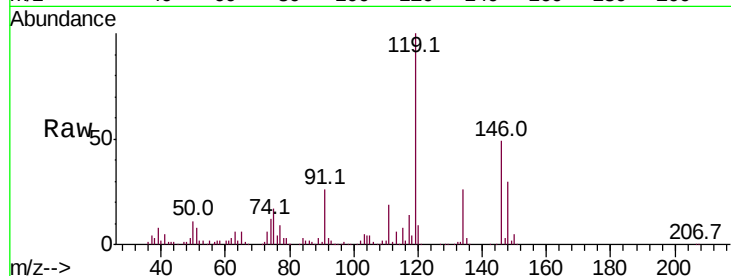
Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

Tot Ion:146 Resp: 162516

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	62.9	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 21.286 ug/l

RT: 13.60 min Scan# 1985

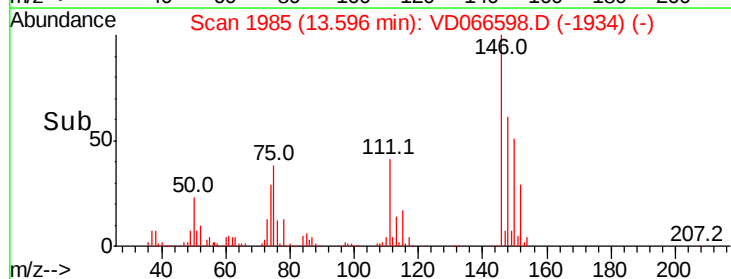
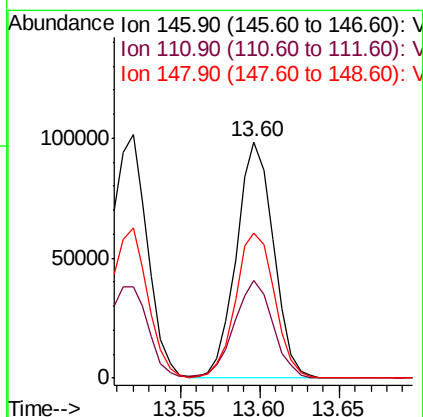
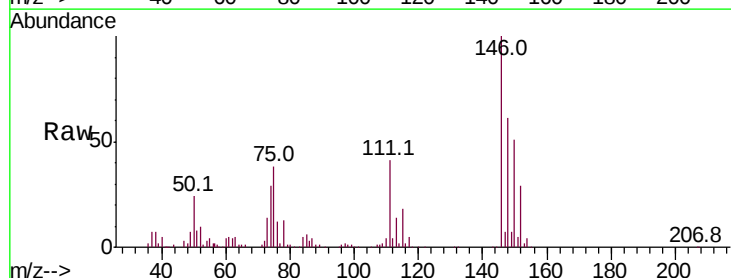
Delta R.T. -0.00 min

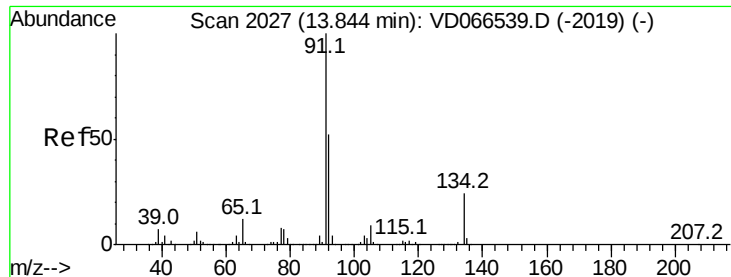
Lab File: VD066598.D

Acq: 09 Sep 2020 23:54

Tgt Ion:146 Resp: 160259

Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.1	60.2
148	64.8	31.6	94.8

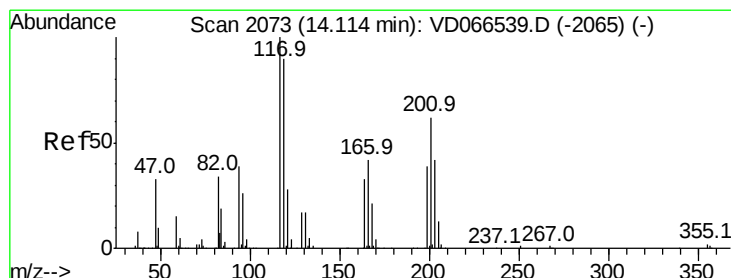
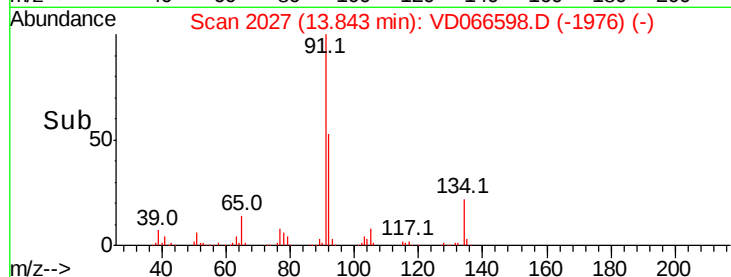
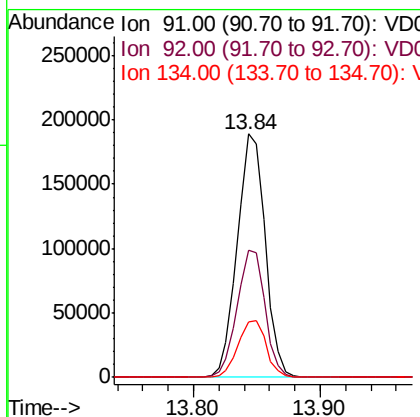
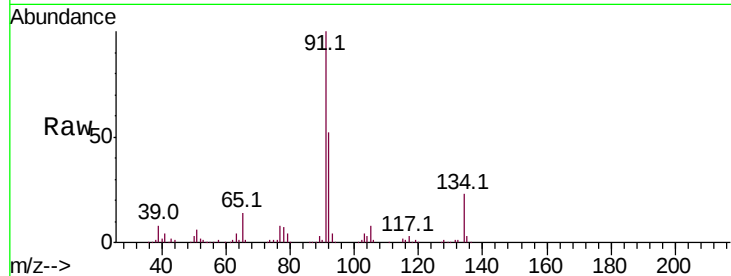




#89
n-Butylbenzene
Concen: 19.613 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

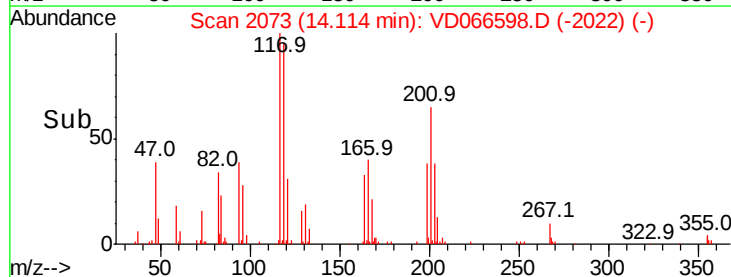
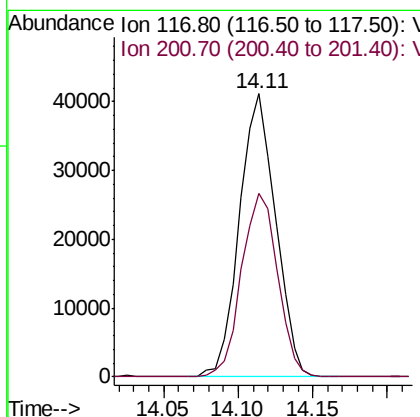
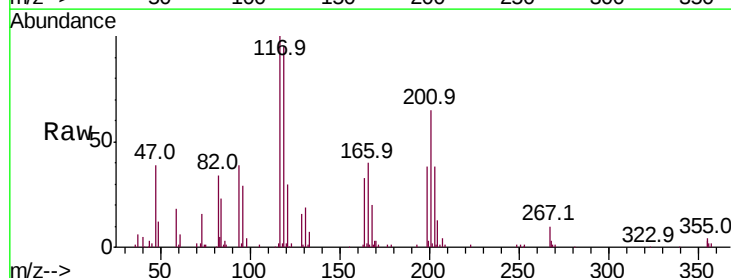
Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

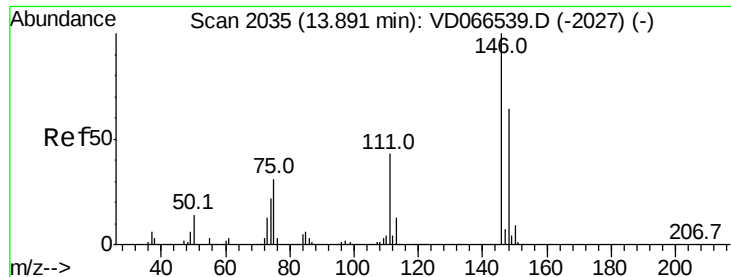
Tot Ion: 91 Resp: 288698
Ion Ratio Lower Upper
91 100
92 52.2 26.5 79.5
134 23.7 12.1 36.3



#90
Hexachloroethane
Concen: 21.232 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion: 117 Resp: 69104
Ion Ratio Lower Upper
117 100
201 64.5 31.9 95.5

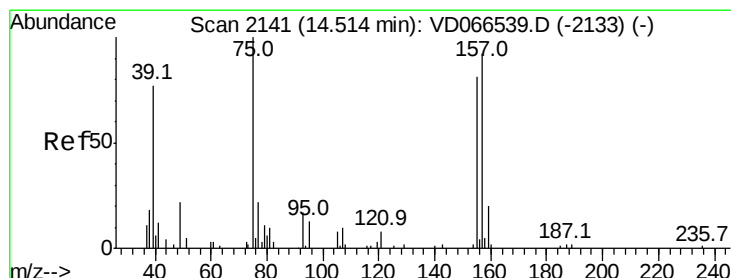
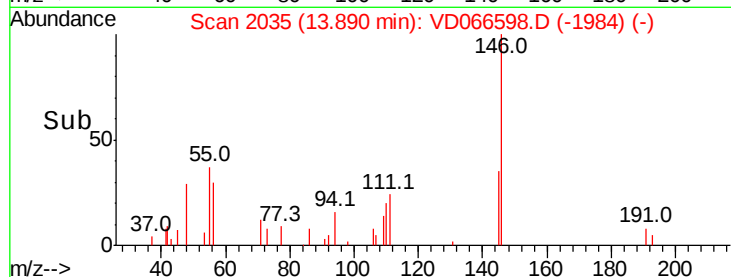
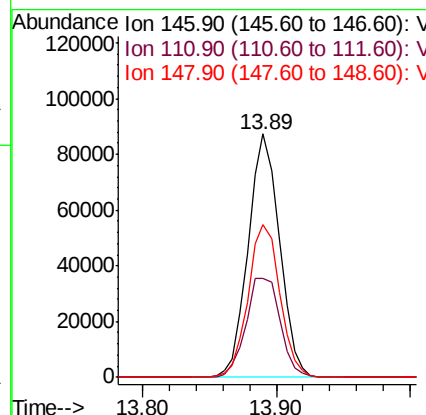
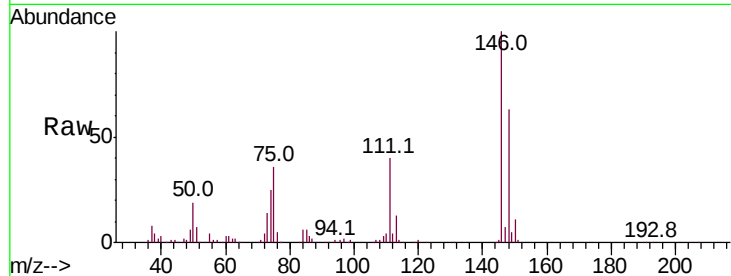




#91
 1,2-Dichlorobenzene
 Concen: 21.556 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

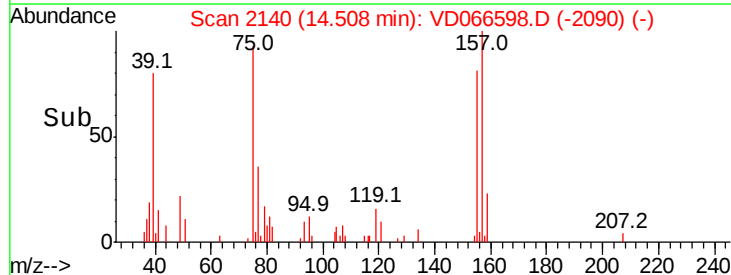
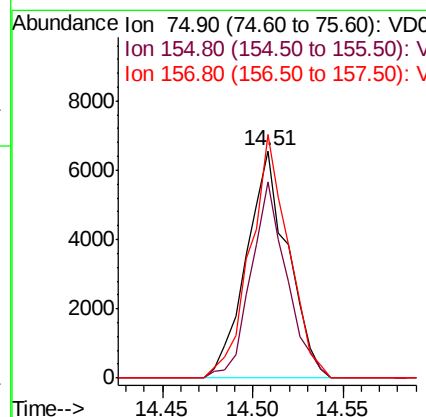
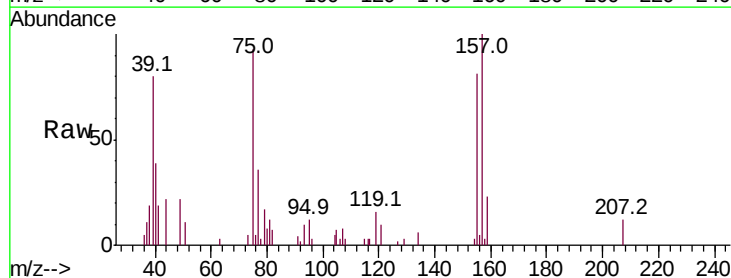
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

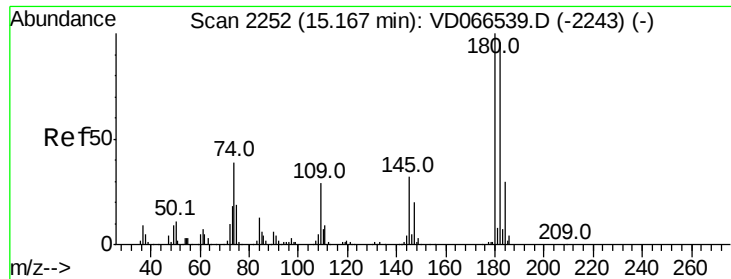
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.1	63.4
148	63.8	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.357 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.2	39.3	117.8
157	100.0	46.0	137.8

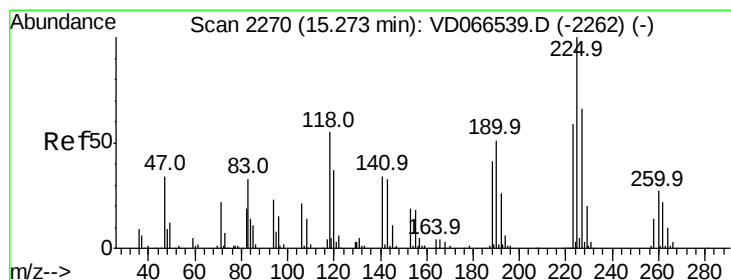
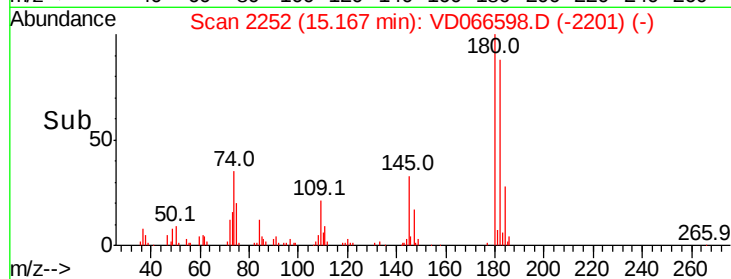
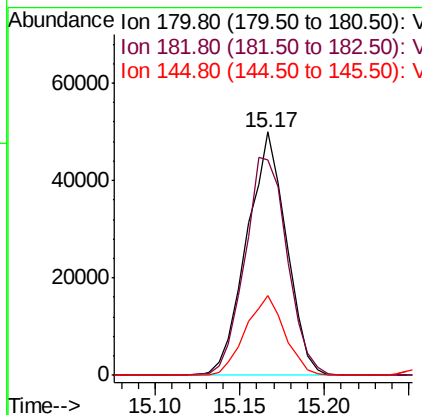
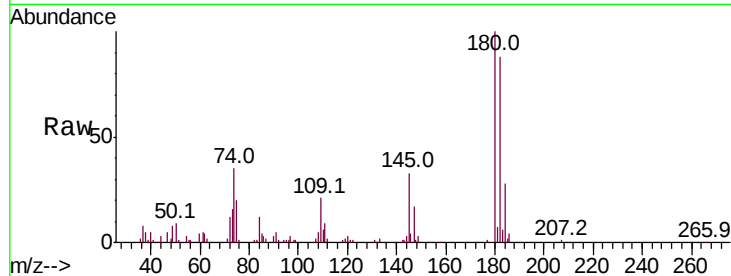




#93
 1,2,4-Trichlorobenzene
 Concen: 20.782 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

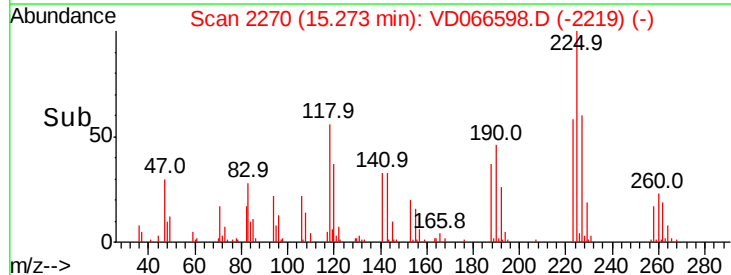
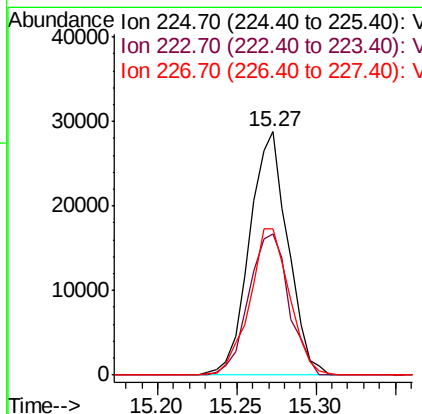
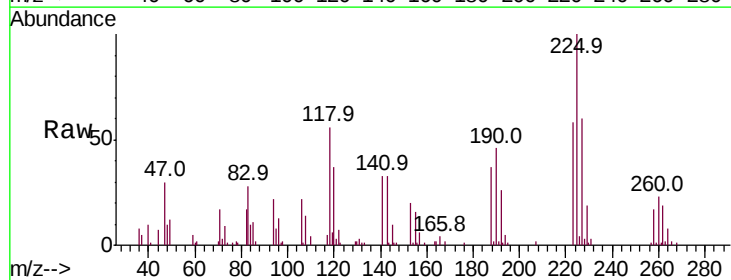
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

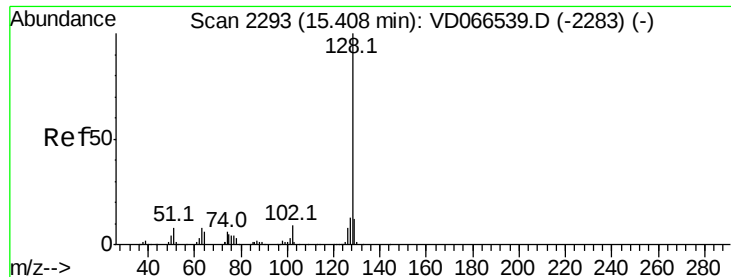
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.4	145.0
145	32.2	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 20.432 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066598.D
 Acq: 09 Sep 2020 23:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.5	91.5
227	62.5	32.4	97.2

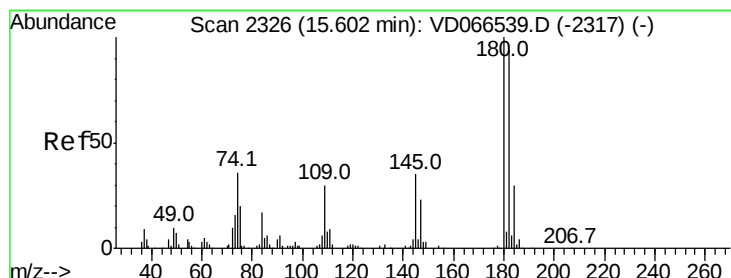
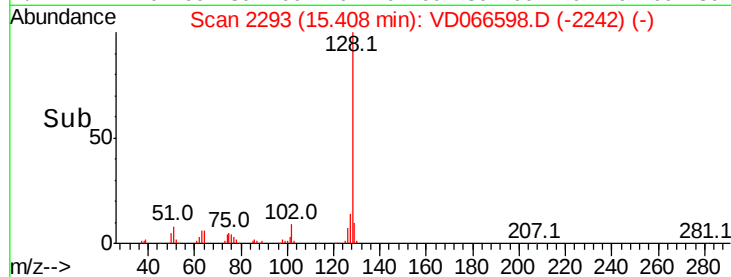
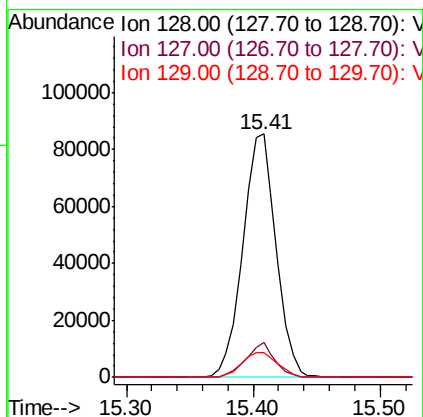
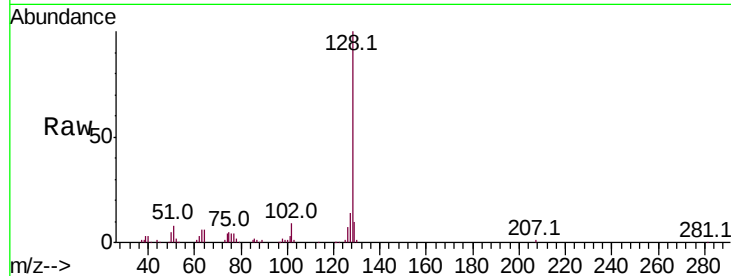




#95
Naphthalene
Concen: 22.555 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS02

Tot Ion:128 Resp: 155087
Ion Ratio Lower Upper
128 100
127 12.3 10.7 16.1
129 10.8 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 22.148 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066598.D
Acq: 09 Sep 2020 23:54

Tgt Ion:180 Resp: 74299
Ion Ratio Lower Upper
180 100
182 90.9 47.9 143.6
145 32.4 17.3 51.7

