

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065846.D
 Acq On : 22 Jun 2020 16:03
 Operator : VA/SY
 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Quant Time: Jun 23 06:54:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	181493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	290059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	265312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	131824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	96555	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
35) Dibromofluoromethane	7.91	113	96084	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.34	98	365604	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
62) 4-Bromofluorobenzene	12.64	95	122104	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	33184	25.230	ug/l	96
3) Chloromethane	2.21	50	56602	24.969	ug/l	98
4) Vinyl Chloride	2.35	62	64647	24.143	ug/l	96
5) Bromomethane	2.76	94	44982	24.021	ug/l	93
6) Chloroethane	2.92	64	44983	24.845	ug/l	98
7) Trichlorofluoromethane	3.27	101	69818	23.014	ug/l	99
8) Diethyl Ether	3.71	74	16736	20.983	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41237	22.795	ug/l	97
10) Methyl Iodide	4.30	142	37837	21.479	ug/l	96
11) Tert butyl alcohol	5.21	59	15299	135.963	ug/l	99
12) 1,1-Dichloroethene	4.07	96	37616	22.815	ug/l	92
13) Acrolein	3.93	56	7546	74.912	ug/l	94
14) Allyl chloride	4.71	41	60880	22.341	ug/l	97
15) Acrylonitrile	5.43	53	38462	106.170	ug/l	99
16) Acetone	4.16	43	38953	115.146	ug/l	99
17) Carbon Disulfide	4.41	76	122678	22.169	ug/l	99
18) Methyl Acetate	4.71	43	18460	22.171	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	81525	21.830	ug/l	99
20) Methylene Chloride	4.96	84	53213	27.628	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	43169	22.357	ug/l	97
22) Diisopropyl ether	6.36	45	123426	22.416	ug/l	96
23) Vinyl Acetate	6.30	43	337209	108.454	ug/l	99
24) 1,1-Dichloroethane	6.27	63	75149	22.400	ug/l	99
25) 2-Butanone	7.21	43	50354	107.778	ug/l	98
26) 2,2-Dichloropropane	7.21	77	66901	22.490	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	43906	21.138	ug/l	91
28) Bromochloromethane	7.54	49	28019	21.624	ug/l	99
29) Tetrahydrofuran	7.56	42	30695	103.952	ug/l	98
30) Chloroform	7.71	83	78394	22.544	ug/l	90
31) Cyclohexane	7.98	56	70789	22.010	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	73065	22.851	ug/l	99
36) 1,1-Dichloropropene	8.11	75	61457	22.118	ug/l	99
37) Ethyl Acetate	7.29	43	22578	20.630	ug/l #	96
38) Carbon Tetrachloride	8.10	117	64910	22.198	ug/l	95

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 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Quant Time: Jun 23 06:54:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73127	22.229	ug/l	99
40) Benzene	8.35	78	168529	22.186	ug/l	100
41) Methacrylonitrile	7.56	41	31007	47.580	ug/l #	28
42) 1,2-Dichloroethane	8.42	62	48727	21.260	ug/l	99
43) Isopropyl Acetate	8.45	43	45702	21.000	ug/l	98
44) Trichloroethene	9.11	130	46588	22.039	ug/l	96
45) 1,2-Dichloropropane	9.38	63	40115	21.018	ug/l	94
46) Dibromomethane	9.47	93	21771	21.032	ug/l	98
47) Bromodichloromethane	9.66	83	58739	21.176	ug/l	95
48) Methyl methacrylate	9.46	41	23052	21.883	ug/l	98
49) 1,4-Dioxane	9.46	88	4505	408.880	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	109979	103.129	ug/l	97
52) Toluene	10.40	92	109079	22.100	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	53408	21.262	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	65306	22.014	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	29731	21.496	ug/l	94
56) Ethyl methacrylate	10.66	69	33428	20.548	ug/l	95
57) 1,3-Dichloropropane	10.95	76	50274	20.980	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	80321	106.196	ug/l	99
59) 2-Hexanone	10.98	43	74846	104.102	ug/l	98
60) Dibromochloromethane	11.14	129	38564	20.640	ug/l	95
61) 1,2-Dibromoethane	11.25	107	27545	20.265	ug/l	95
64) Tetrachloroethene	10.88	164	37985	21.173	ug/l	92
65) Chlorobenzene	11.67	112	113512	21.916	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	40718	21.090	ug/l	97
67) Ethyl Benzene	11.75	91	204880	22.142	ug/l	98
68) m/p-Xylenes	11.86	106	157548	44.205	ug/l	100
69) o-Xylene	12.18	106	70772	22.024	ug/l	99
70) Styrene	12.20	104	120293	21.624	ug/l	98
71) Bromoform	12.37	173	21584	20.301	ug/l #	96
73) Isopropylbenzene	12.48	105	196787	22.265	ug/l	99
74) N-amyl acetate	12.29	43	40863	20.781	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	32392	21.701	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	42502	41.457	ug/l #	100
77) Bromobenzene	12.76	156	44629	21.342	ug/l	96
78) n-propylbenzene	12.83	91	238988	22.464	ug/l	100
79) 2-Chlorotoluene	12.91	91	132301	22.669	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	167433	22.765	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	9752	20.552	ug/l	98
82) 4-Chlorotoluene	13.01	91	141464	22.582	ug/l	97
83) tert-Butylbenzene	13.23	119	142432	22.318	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	165091	22.426	ug/l	99
85) sec-Butylbenzene	13.41	105	201403	22.677	ug/l	100
86) p-Isopropyltoluene	13.52	119	183471	22.538	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	90536	21.958	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	90290	22.014	ug/l	98
89) n-Butylbenzene	13.85	91	173843	22.392	ug/l	99
90) Hexachloroethane	14.12	117	36823	22.599	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	76680	21.609	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4865	19.584	ug/l	94

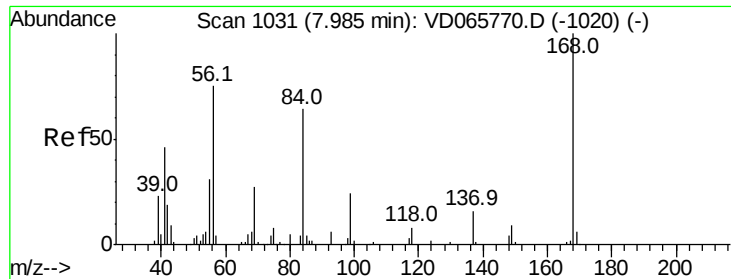
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062220\
Data File : VD065846.D
Acq On : 22 Jun 2020 16:03
Operator : VA/SY
Sample : VD0622SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Quant Time: Jun 23 06:54:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	51264	21.247	ug/l	97
94) Hexachlorobutadiene	15.27	225	28948	19.847	ug/l	97
95) Naphthalene	15.41	128	80910	19.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	41625	20.031	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

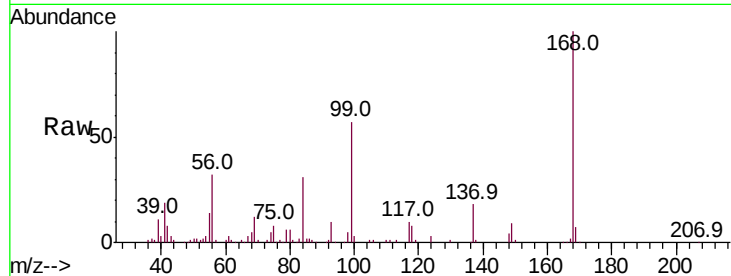
VD0622SBSD01

Tot Ion:168 Resp: 181493

Ion Ratio Lower Upper

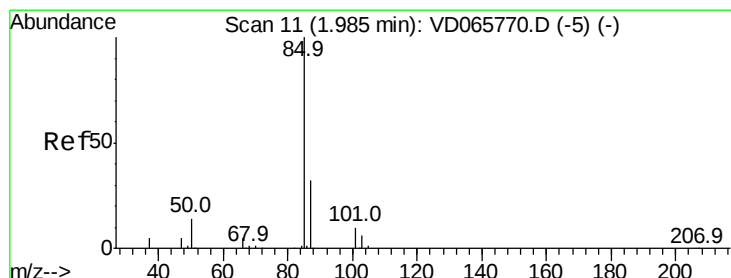
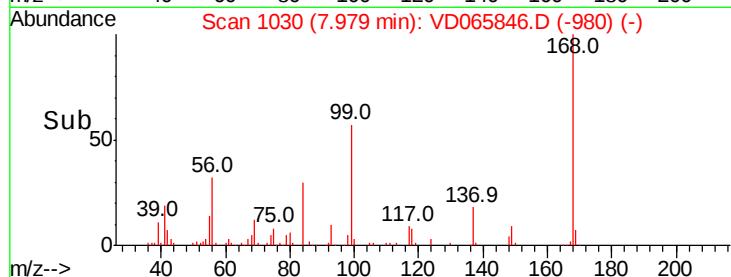
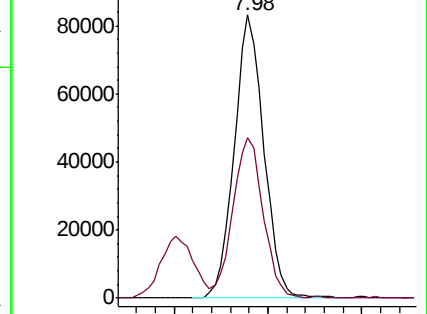
168 100

99 56.6 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 25.230 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065846.D

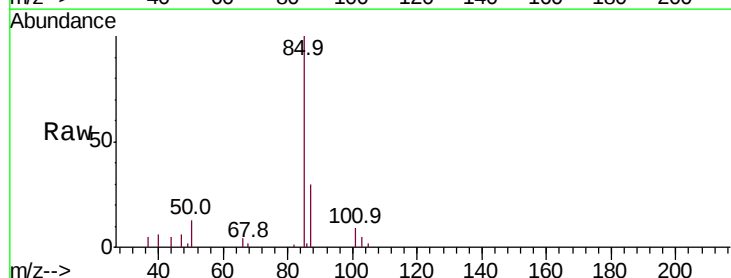
Acq: 22 Jun 2020 16:03

Tgt Ion: 85 Resp: 33184

Ion Ratio Lower Upper

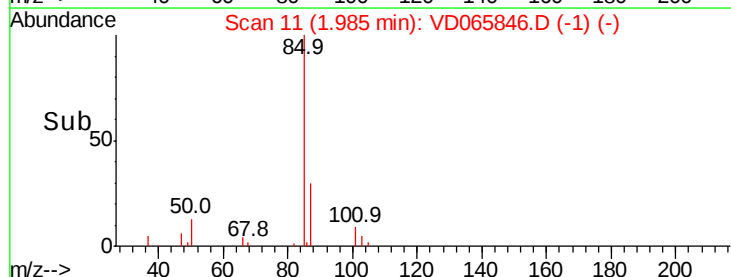
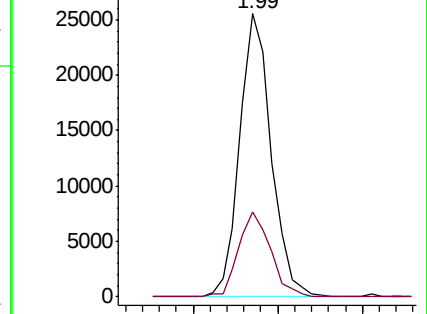
85 100

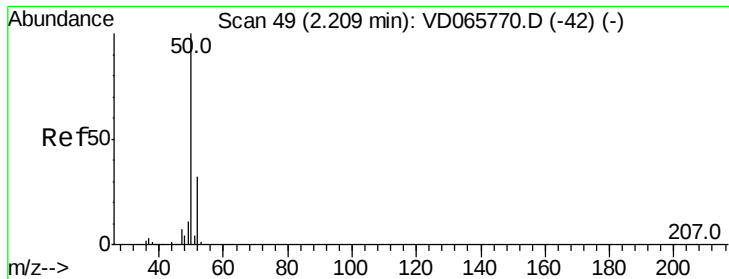
87 30.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.969 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

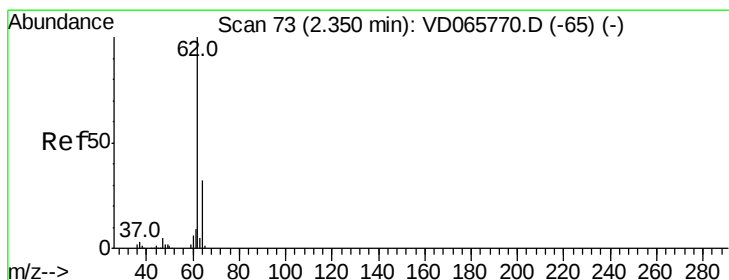
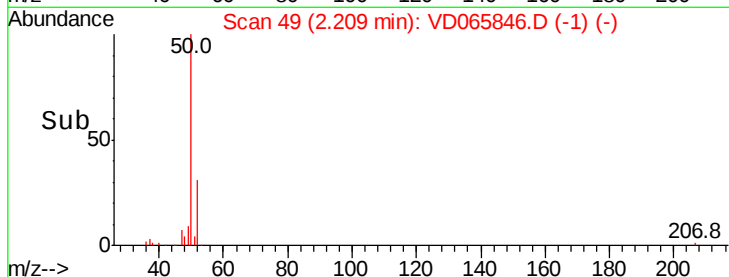
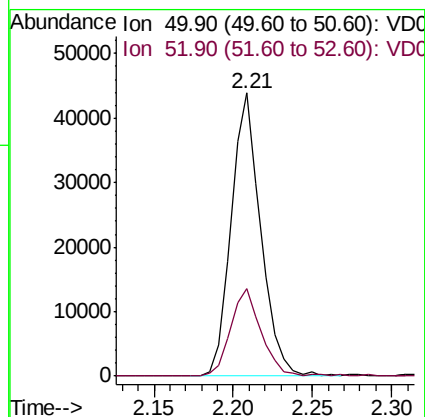
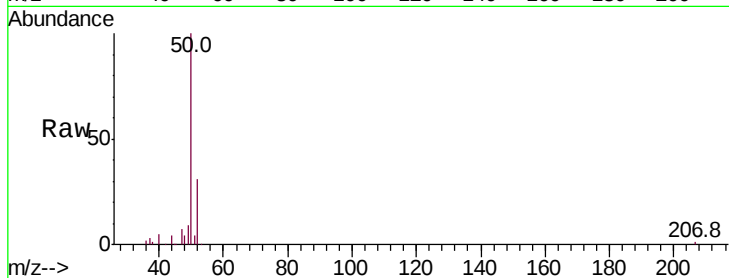
VD0622SBSD01

Tot Ion: 50 Resp: 56602

Ion Ratio Lower Upper

50 100

52 30.9 25.6 38.4



#4

Vinyl Chloride

Concen: 24.143 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065846.D

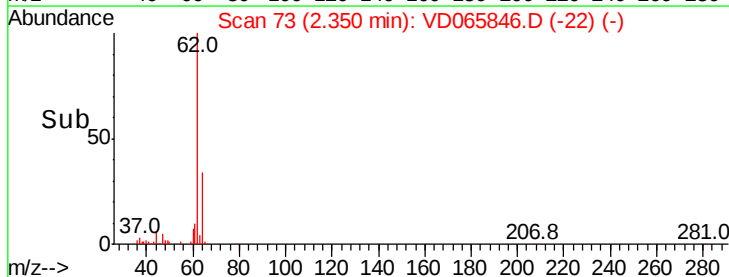
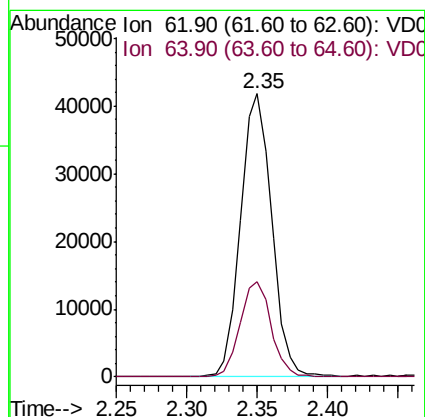
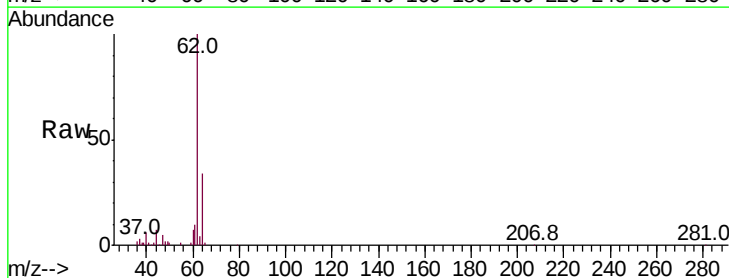
Acq: 22 Jun 2020 16:03

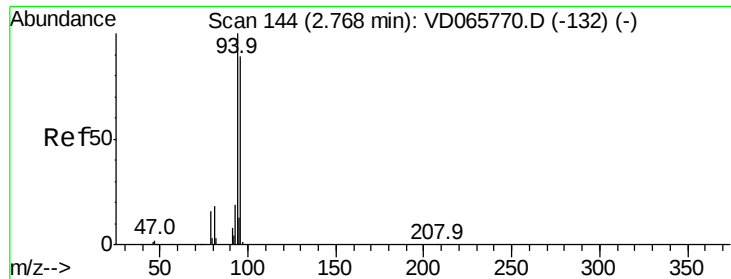
Tgt Ion: 62 Resp: 64647

Ion Ratio Lower Upper

62 100

64 33.7 25.3 37.9





#5

Bromomethane

Concen: 24.021 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

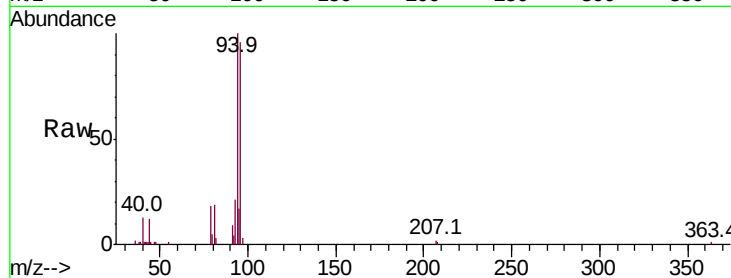
VD0622SBS01

Tot Ion: 94 Resp: 44982

Ion Ratio Lower Upper

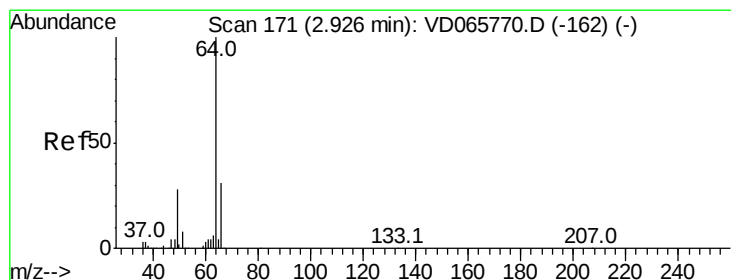
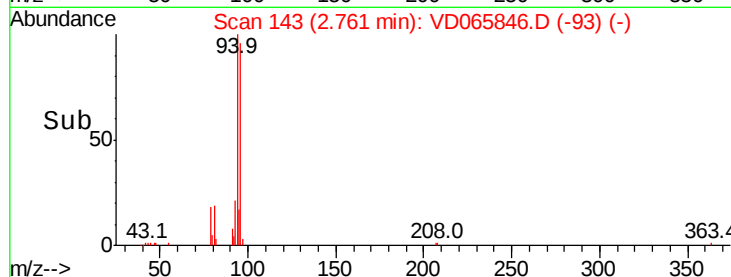
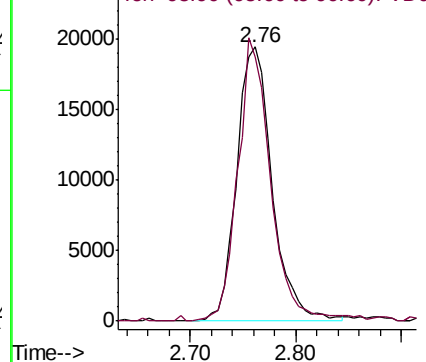
94 100

96 96.2 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.845 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065846.D

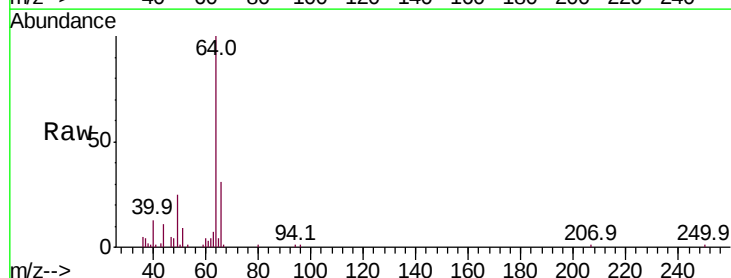
Acq: 22 Jun 2020 16:03

Tgt Ion: 64 Resp: 44983

Ion Ratio Lower Upper

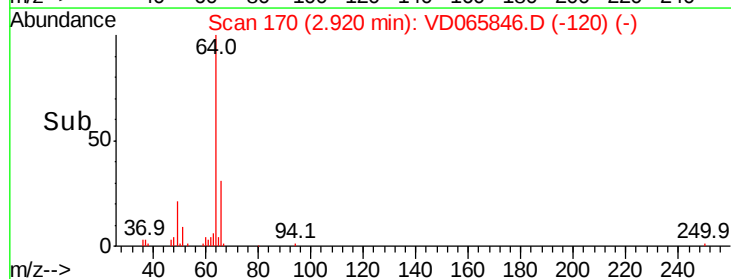
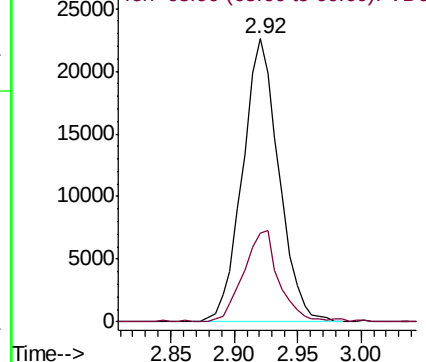
64 100

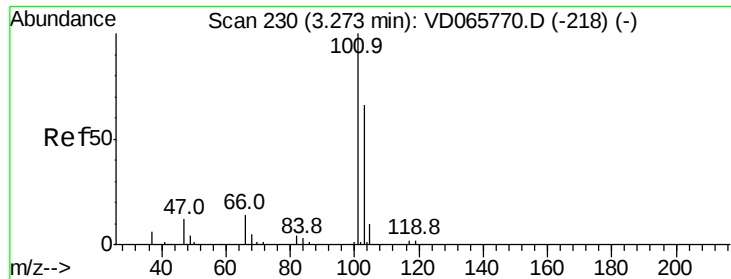
66 31.5 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



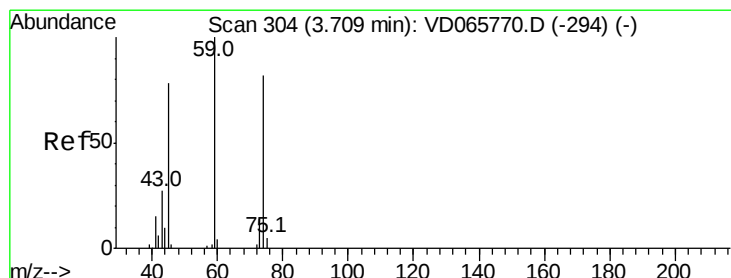
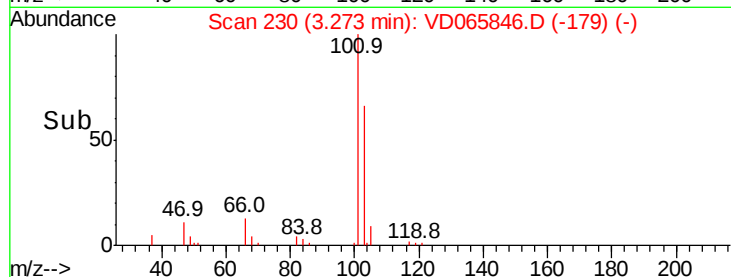
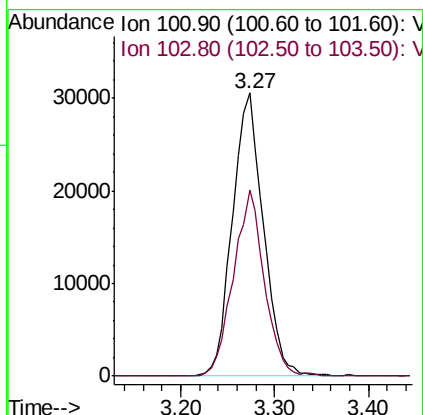
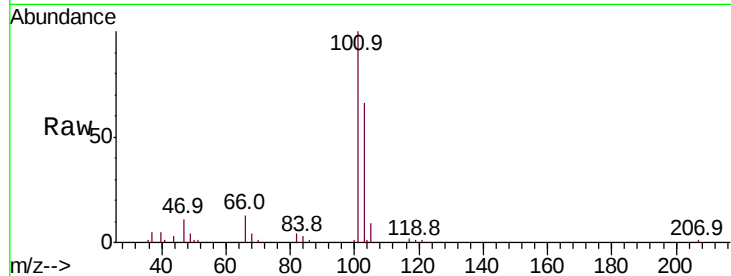


#7

Trichlorofluoromethane
 Concen: 23.014 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

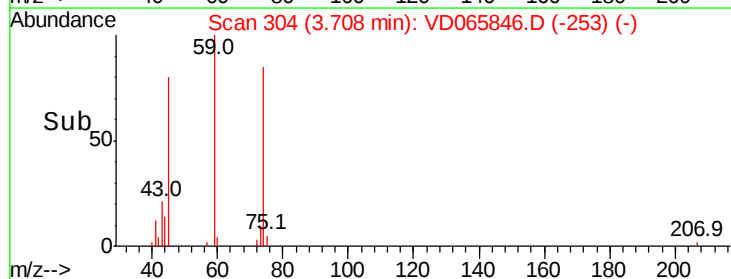
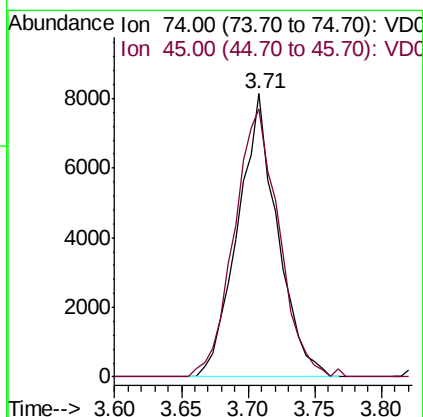
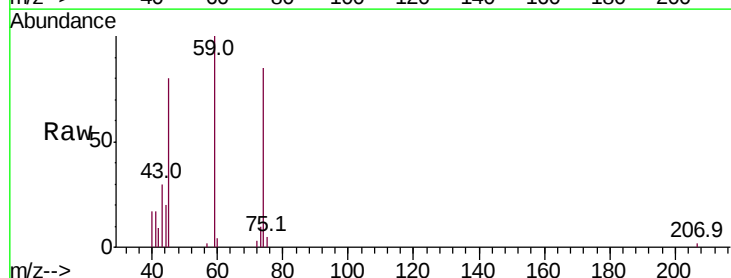
Tot Ion:101 Resp: 69818
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.1 79.7

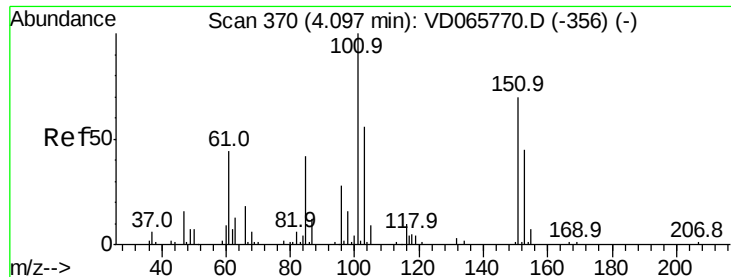


#8

Diethyl Ether
 Concen: 20.983 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion: 74 Resp: 16736
 Ion Ratio Lower Upper
 74 100
 45 106.5 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.795 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

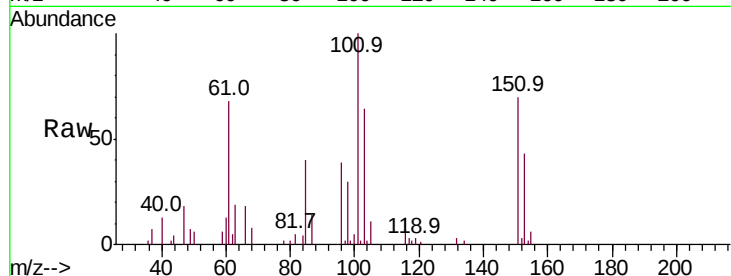
Tot Ion:101 Resp: 41237

Ion Ratio Lower Upper

101 100

85 44.4 36.5 54.7

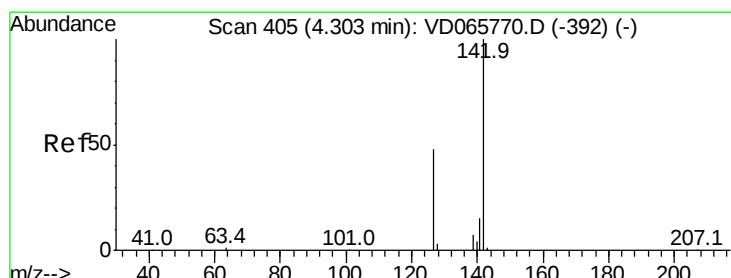
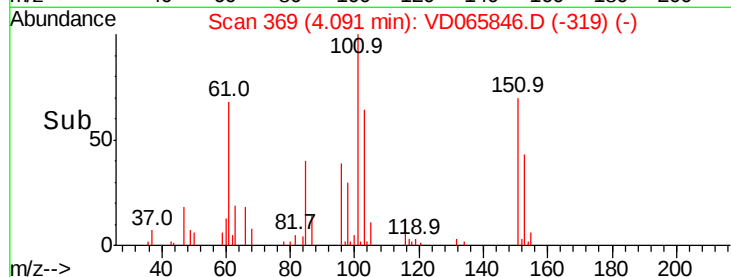
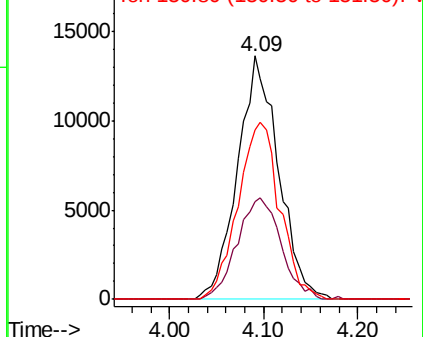
151 74.3 61.8 92.6



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: 21.479 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

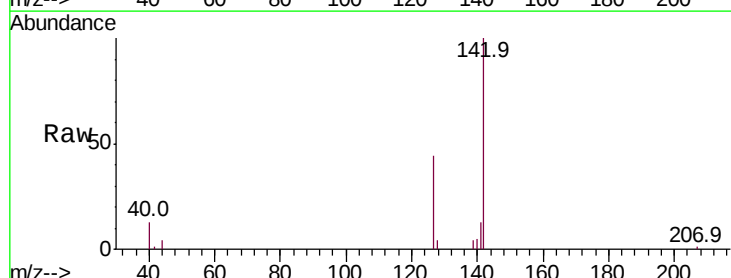
Tgt Ion:142 Resp: 37837

Ion Ratio Lower Upper

142 100

127 44.2 37.6 56.4

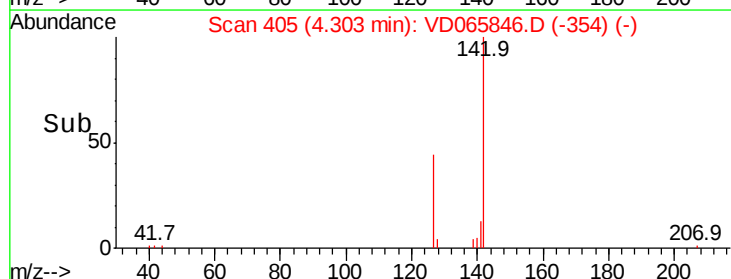
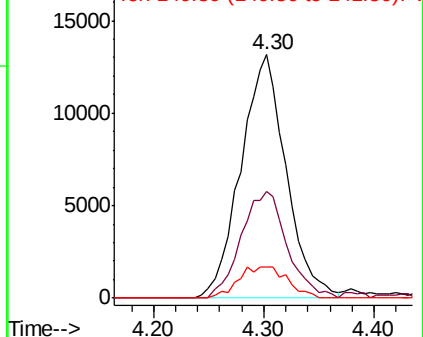
141 14.0 12.1 18.1

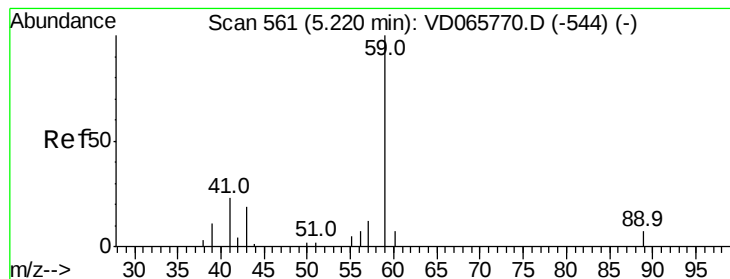


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



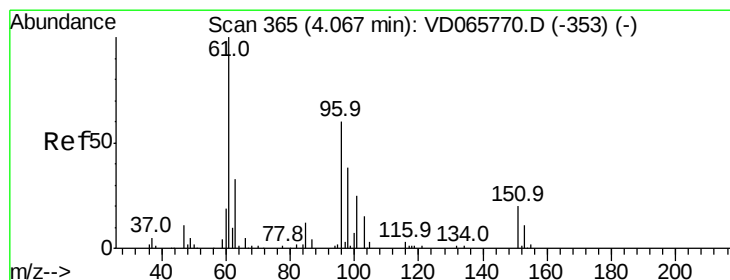
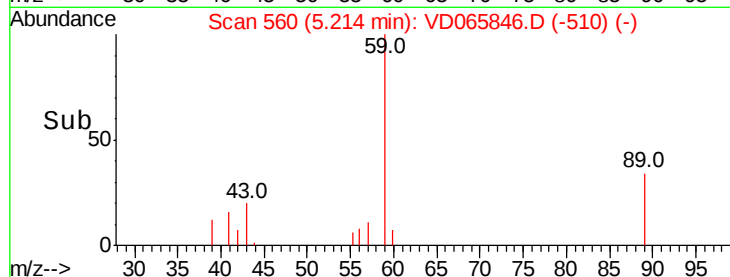
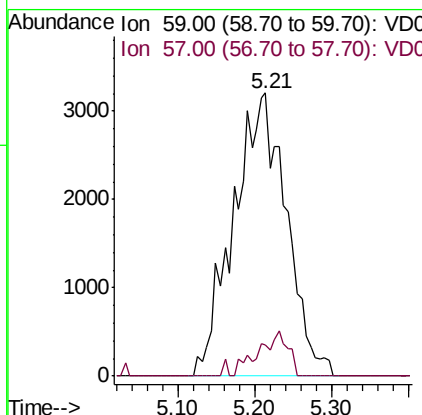
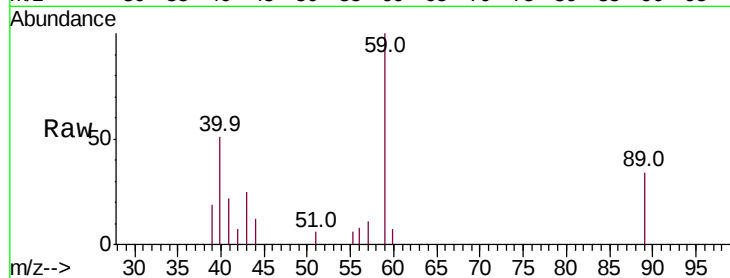


#11

Tert butyl alcohol
 Concen: 135.963 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

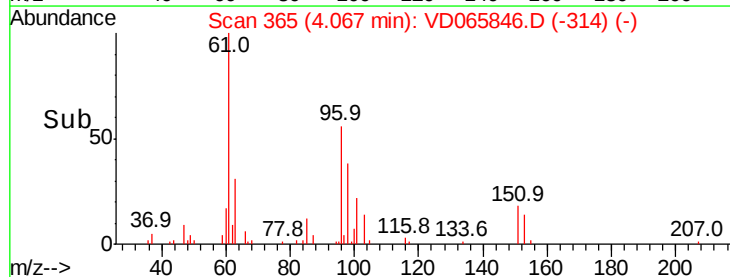
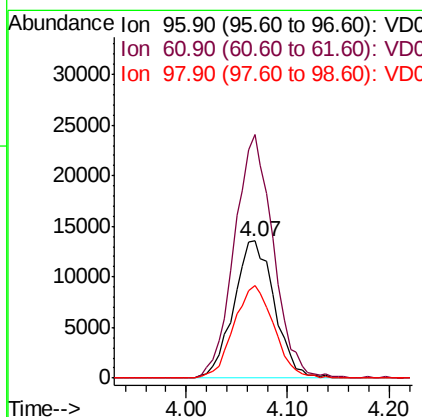
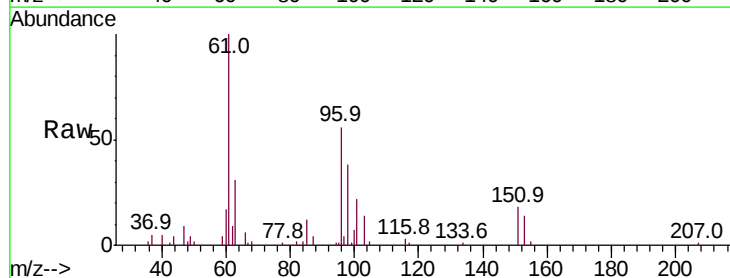
Tot Ion: 59 Resp: 15299
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.5 11.3

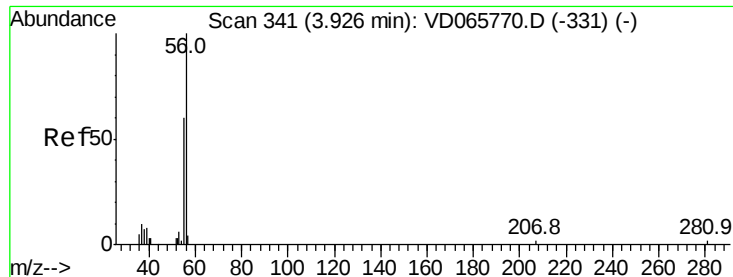


#12

1,1-Dichloroethene
 Concen: 22.815 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion: 96 Resp: 37616
 Ion Ratio Lower Upper
 96 100
 61 178.0 132.3 198.5
 98 67.7 50.7 76.1





#13

Acrolein

Concen: 74.912 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

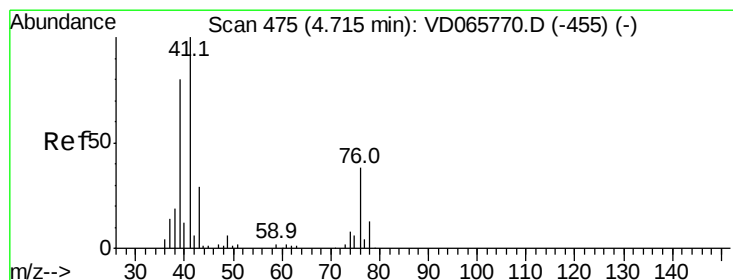
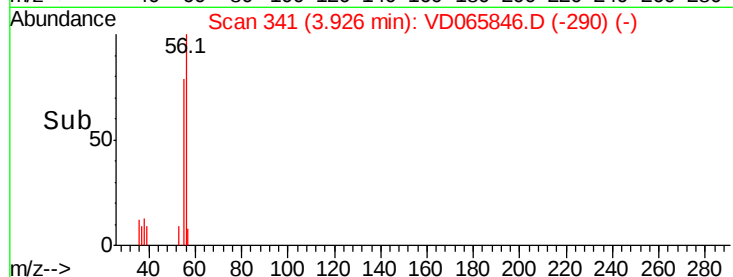
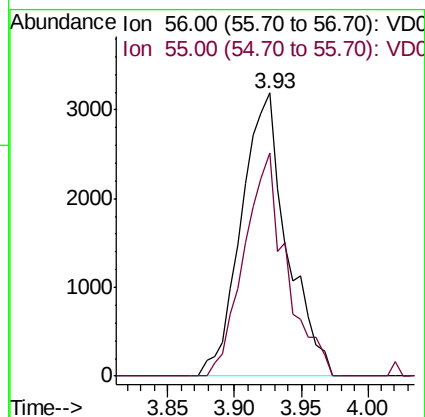
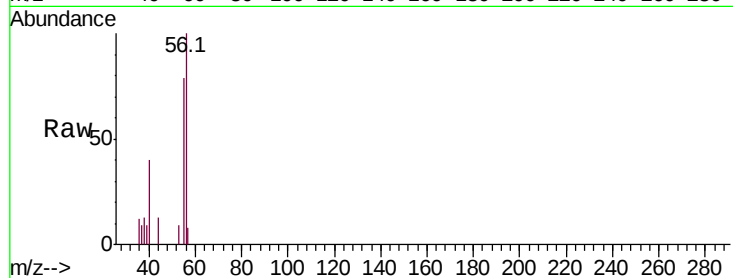
VD0622SBS01

Tot Ion: 56 Resp: 7546

Ion Ratio Lower Upper

56 100

55 73.0 54.8 82.2



#14

Allyl chloride

Concen: 22.341 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

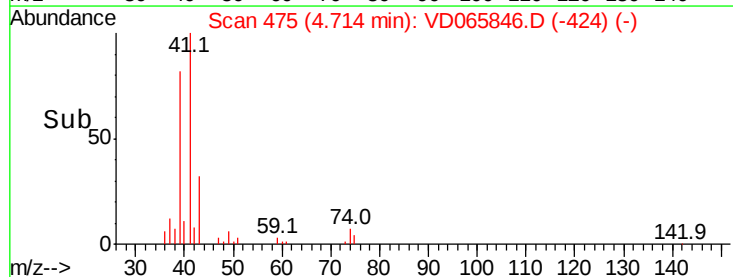
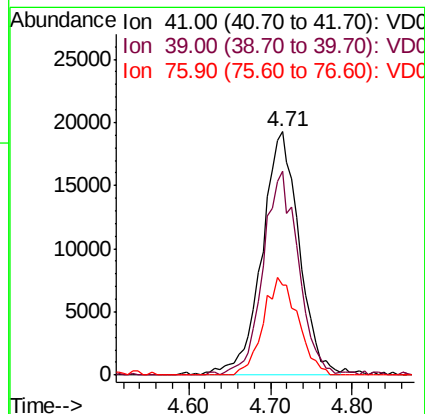
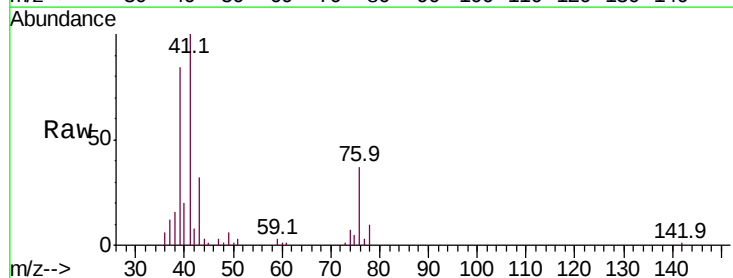
Tgt Ion: 41 Resp: 60880

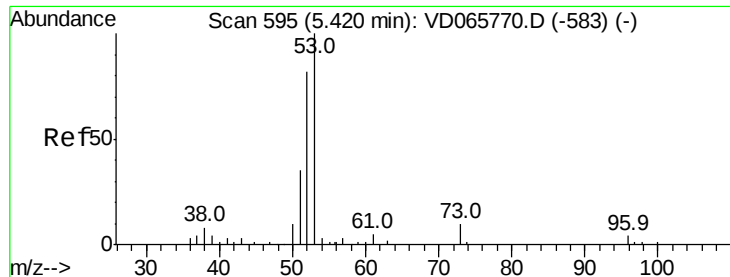
Ion Ratio Lower Upper

41 100

39 79.3 60.9 91.3

76 37.5 28.9 43.3





#15

Acrylonitrile

Concen: 106.170 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

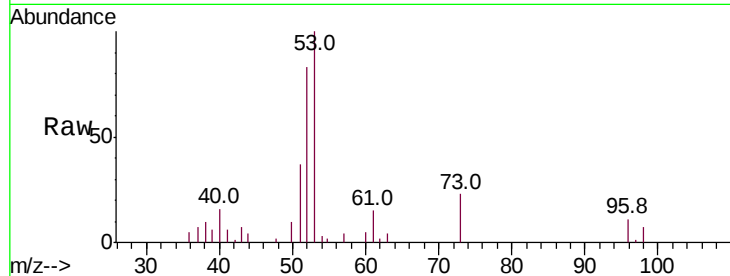
Tot Ion: 53 Resp: 38462

Ion Ratio Lower Upper

53 100

52 81.2 66.2 99.2

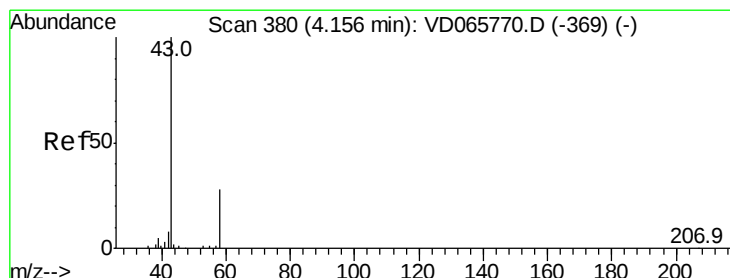
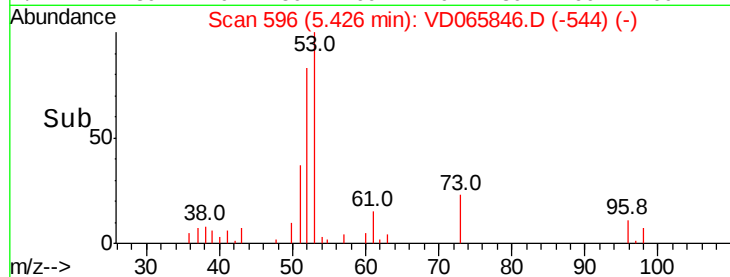
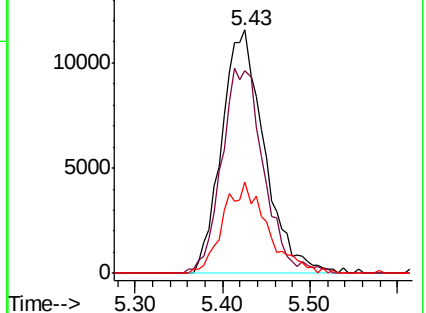
51 38.7 30.7 46.1



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: 115.146 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065846.D

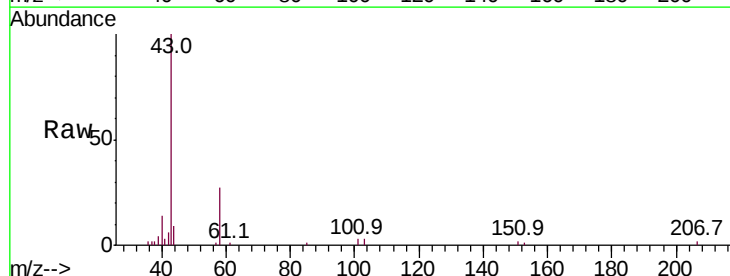
Acq: 22 Jun 2020 16:03

Tgt Ion: 43 Resp: 38953

Ion Ratio Lower Upper

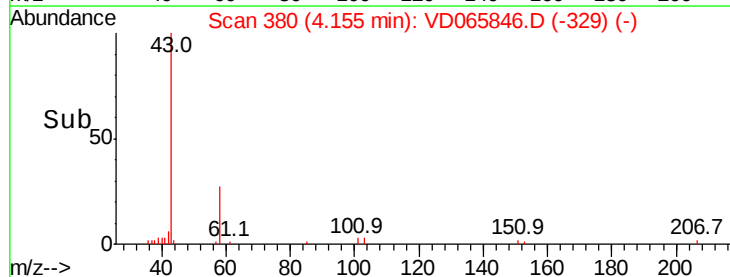
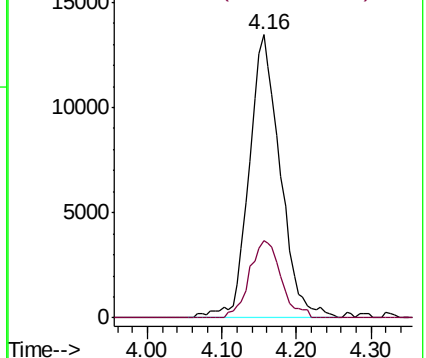
43 100

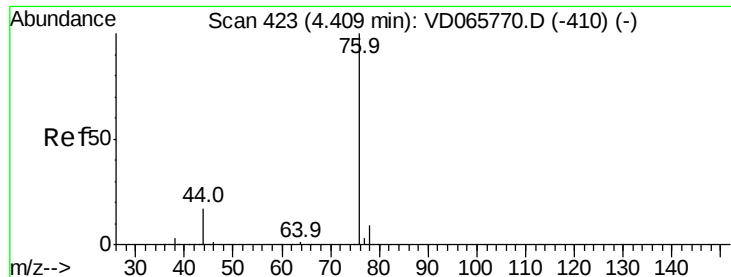
58 27.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

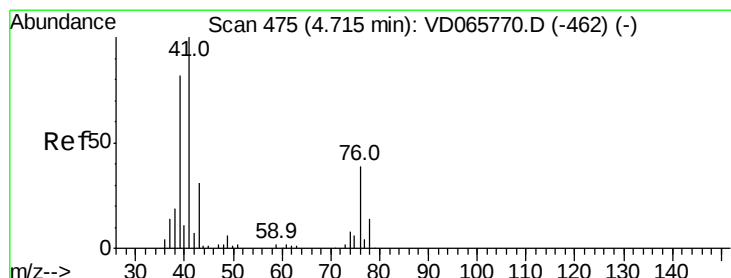
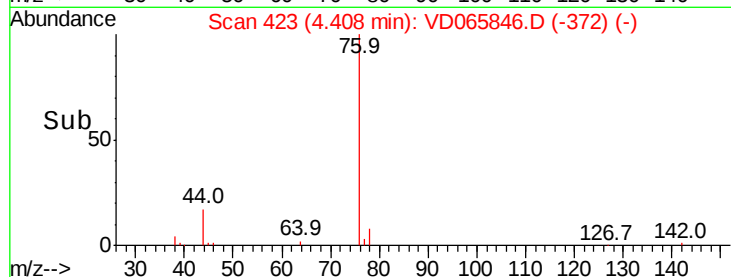
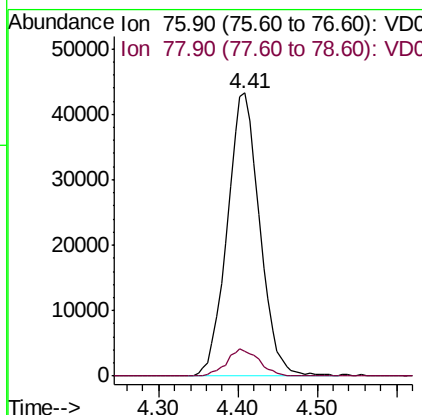
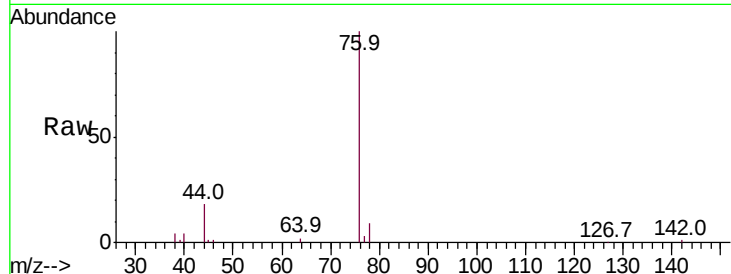




#17
Carbon Disulfide
Concen: 22.169 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

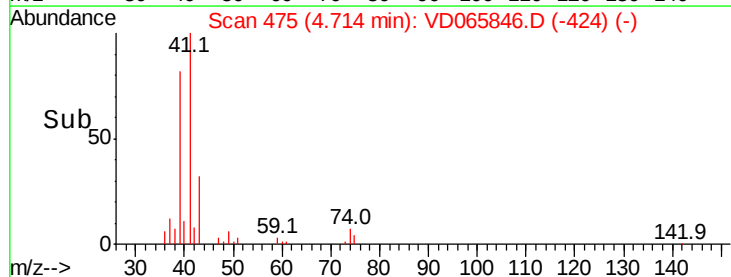
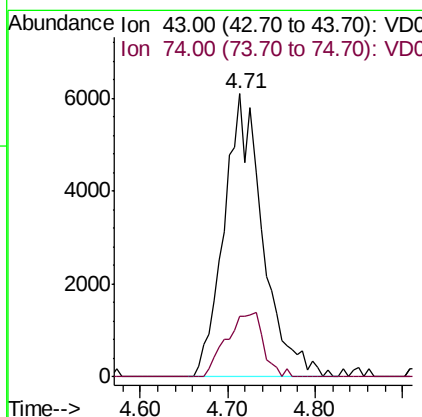
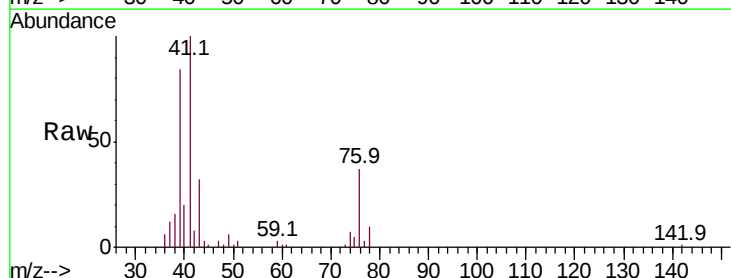
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

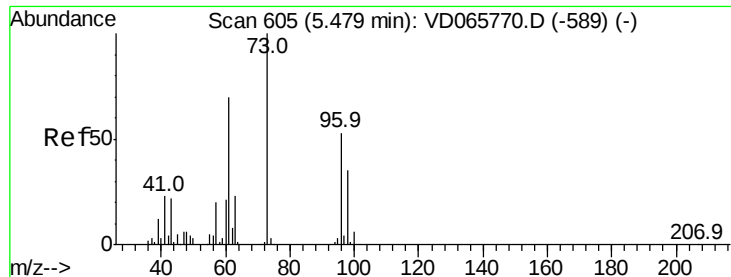
Tot Ion: 76 Resp: 122678
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 22.171 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion: 43 Resp: 18460
Ion Ratio Lower Upper
43 100
74 21.3 18.7 28.1



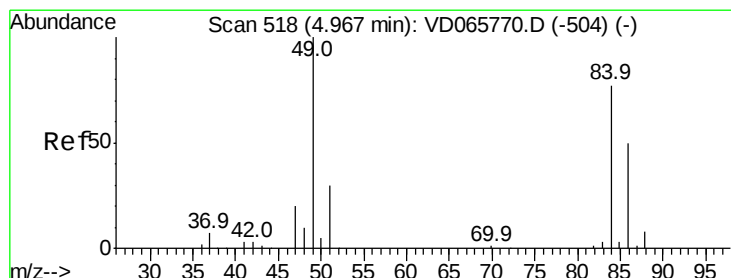
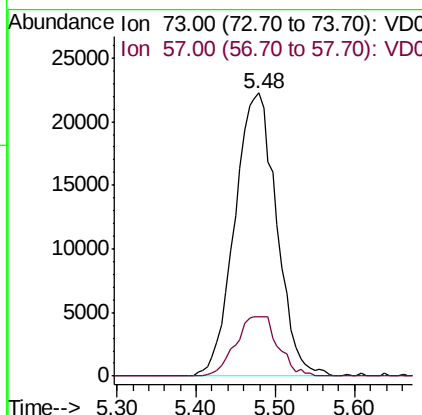
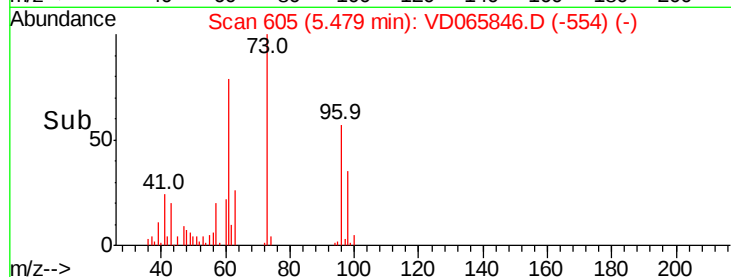
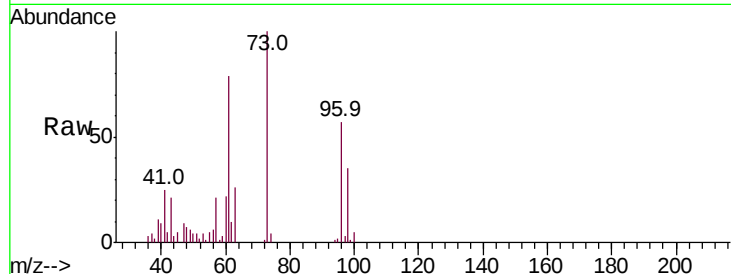


#19

Methyl tert-butyl Ether
 Concen: 21.830 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

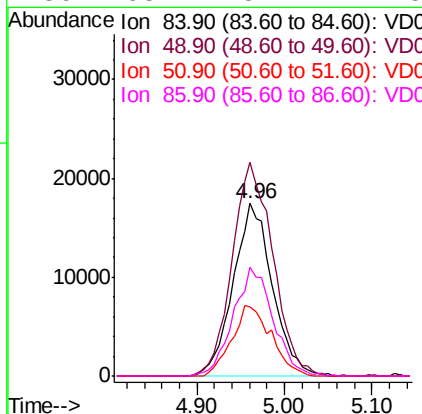
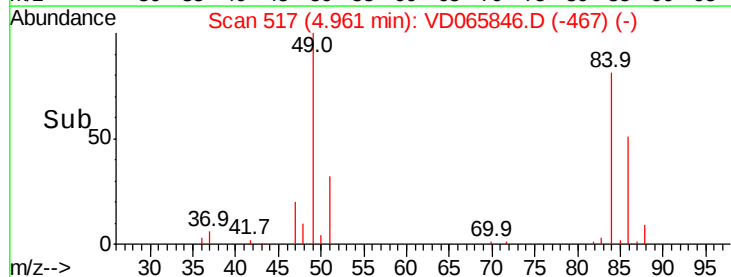
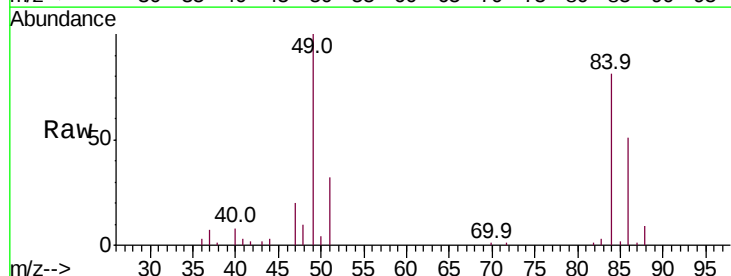
Tot Ion: 73 Resp: 81525
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.2 24.2

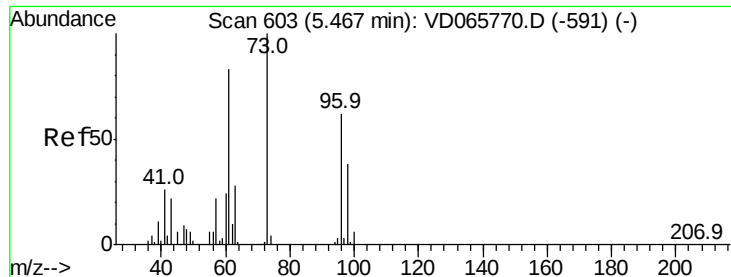


#20

Methylene Chloride
 Concen: 27.628 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion: 84 Resp: 53213
 Ion Ratio Lower Upper
 84 100
 49 123.7 103.4 155.0
 51 40.0 31.4 47.2
 86 63.2 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 22.357 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

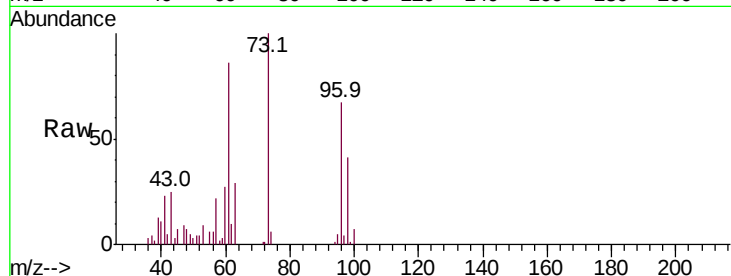
MSVOA_D

ClientSampleId :

VD0622SBSD01

Tot Ion: 96 Resp: 43169

Ion	Ratio	Lower	Upper
96	100		
61	129.3	107.7	161.5
98	61.1	49.3	73.9

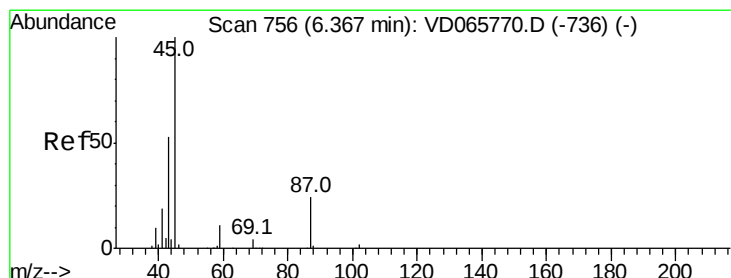
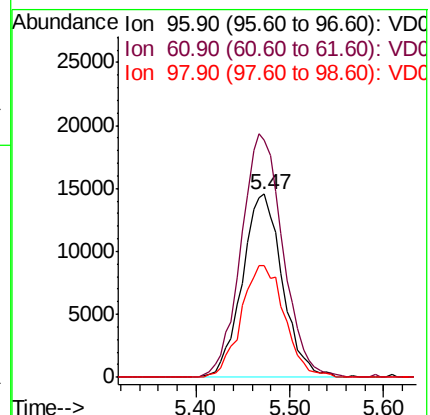
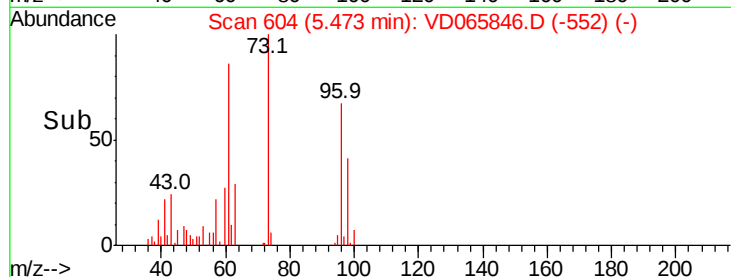


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 22.416 ug/l

RT: 6.36 min Scan# 755

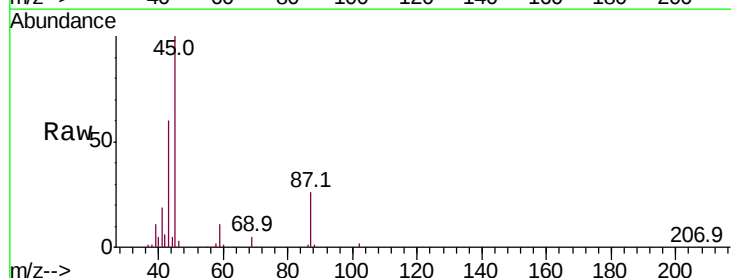
Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Tgt Ion: 45 Resp: 123426

Ion	Ratio	Lower	Upper
45	100		
43	58.7	43.4	65.0
87	26.3	20.2	30.4
59	11.2	9.4	14.0



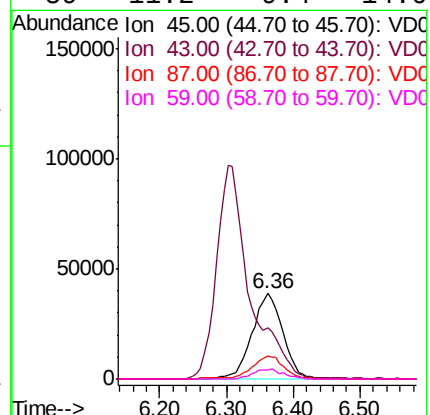
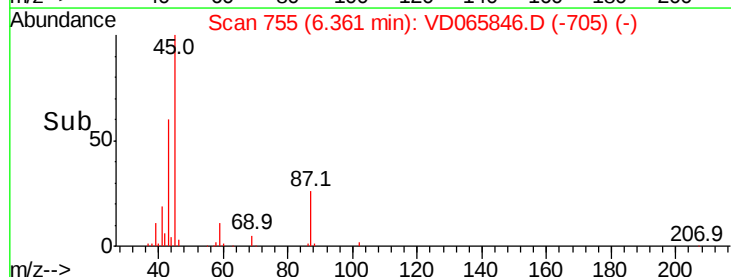
Abundance

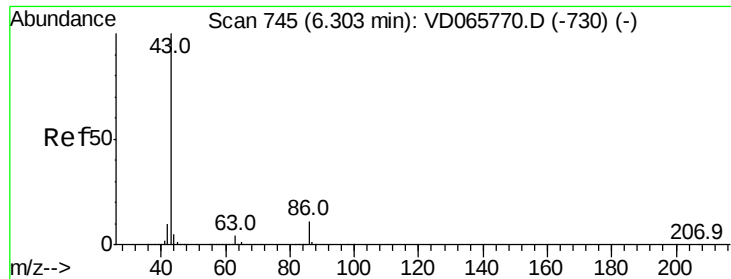
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 108.454 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

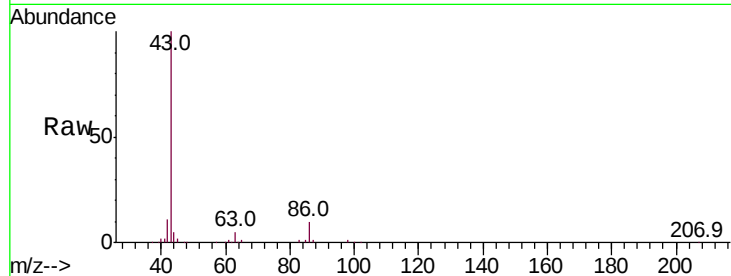
VD0622SBS01

Tot Ion: 43 Resp: 337209

Ion Ratio Lower Upper

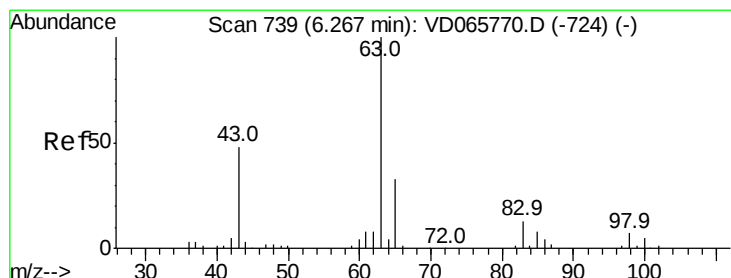
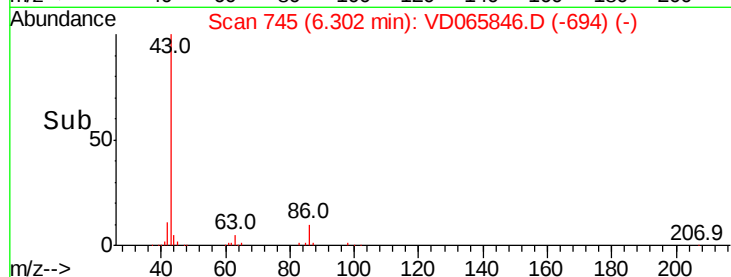
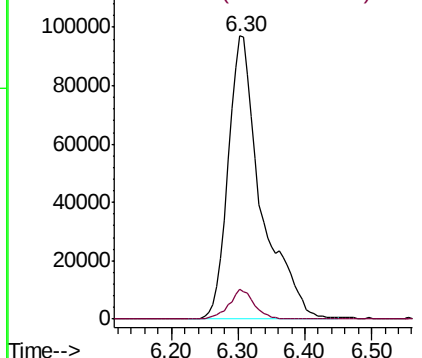
43 100

86 10.4 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.400 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

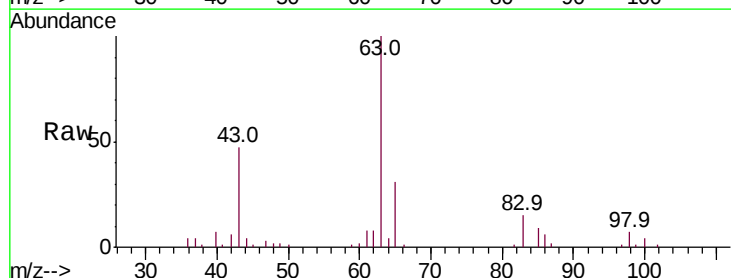
Tgt Ion: 63 Resp: 75149

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

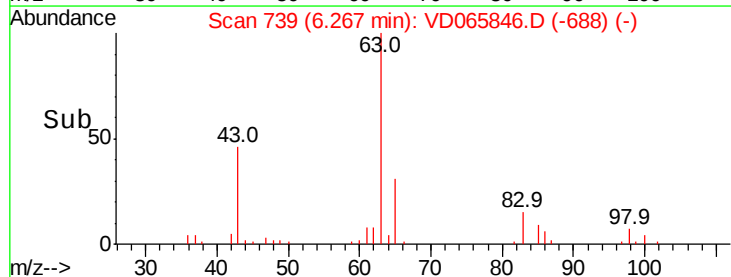
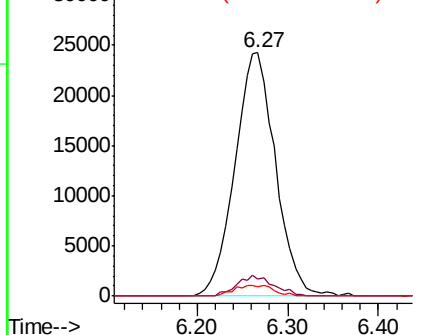
100 3.8 2.3 6.9

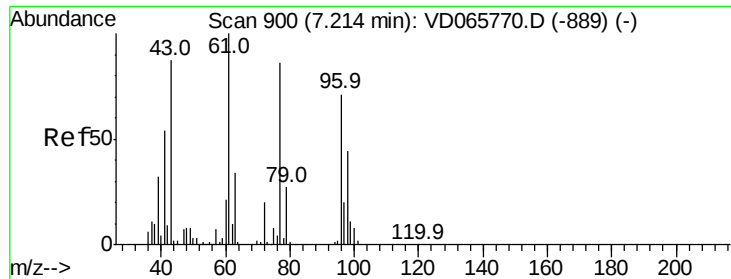


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 107.778 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

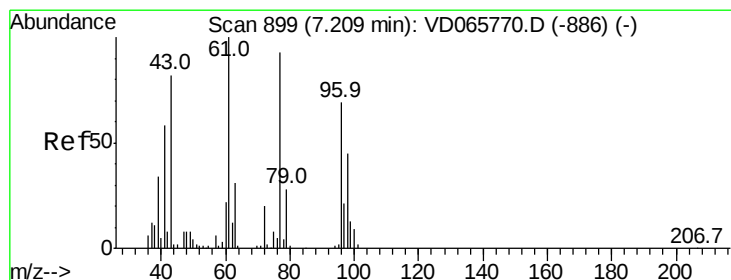
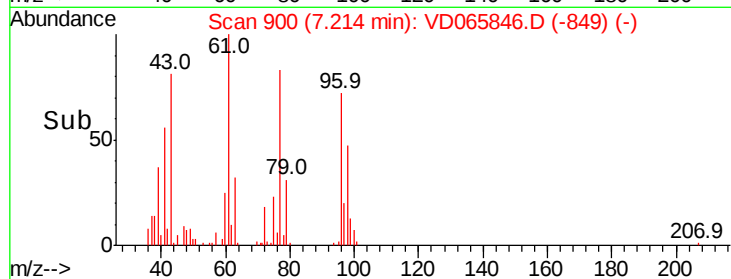
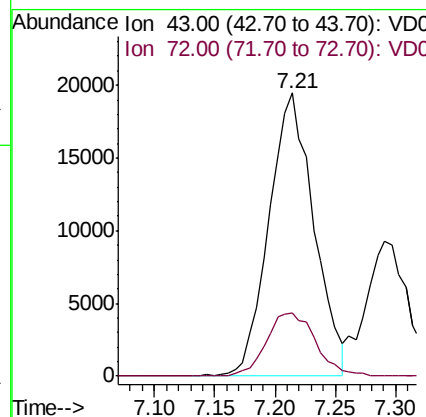
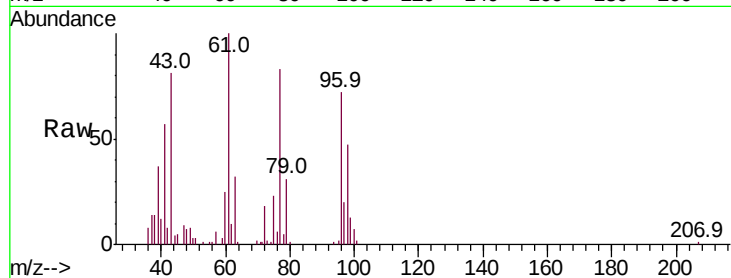
VD0622SBS01

Tot Ion: 43 Resp: 50354

Ion Ratio Lower Upper

43 100

72 22.3 18.5 27.7



#26

2,2-Dichloropropane

Concen: 22.490 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065846.D

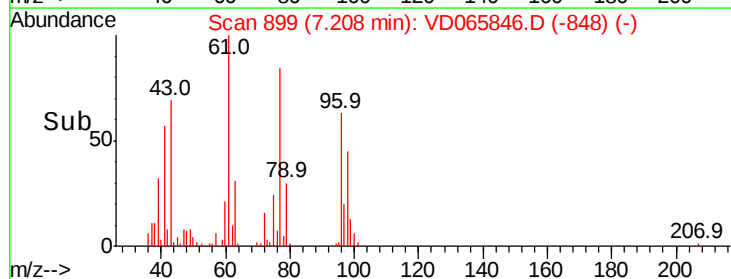
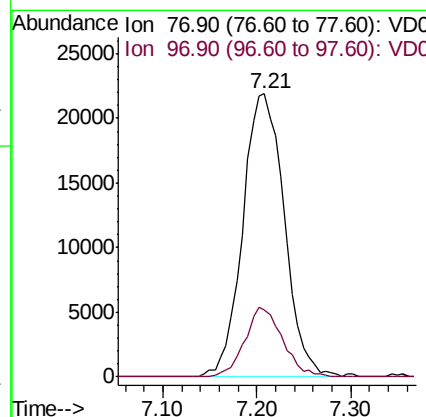
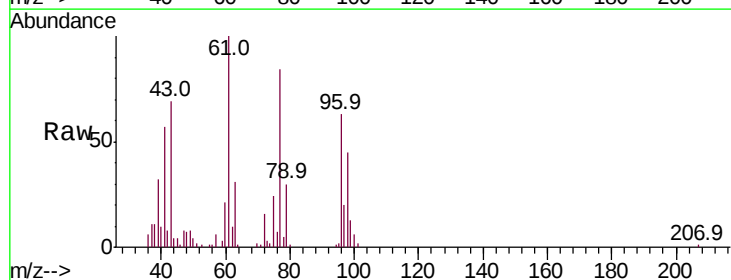
Acq: 22 Jun 2020 16:03

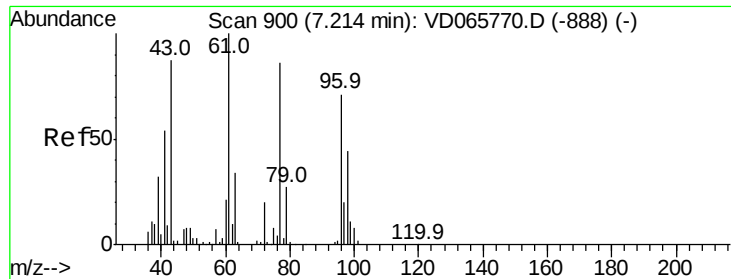
Tgt Ion: 77 Resp: 66901

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.7



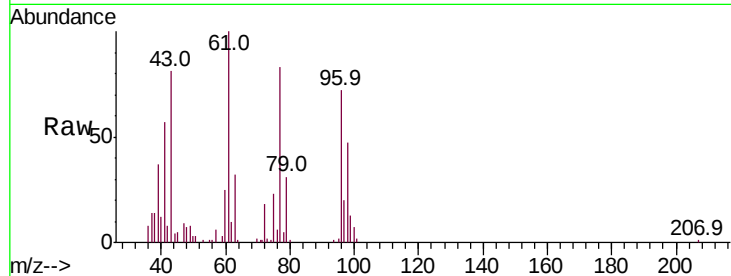


#27

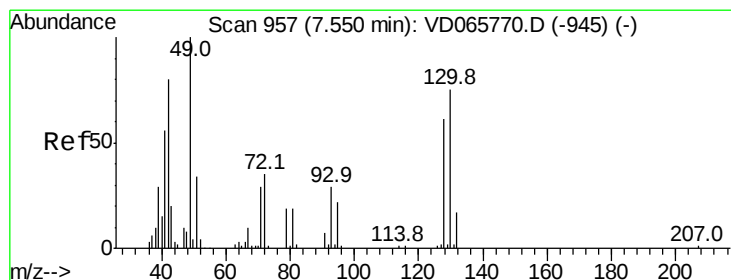
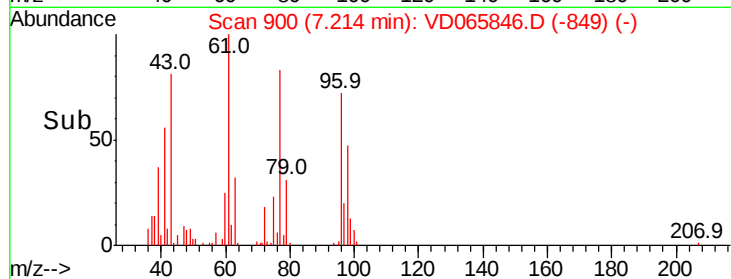
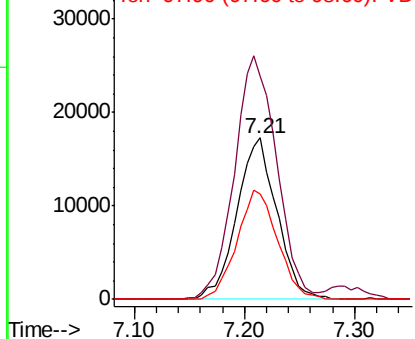
cis-1,2-Dichloroethene
 Concen: 21.138 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion	96	Resp	43906
Ion	Ratio	Lower	Upper
96	100		
61	159.6	0.0	291.2
98	68.7	0.0	128.8



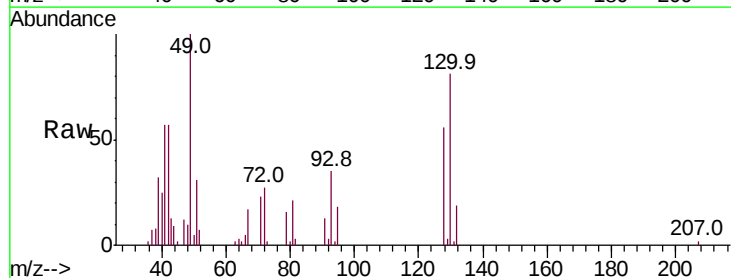
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



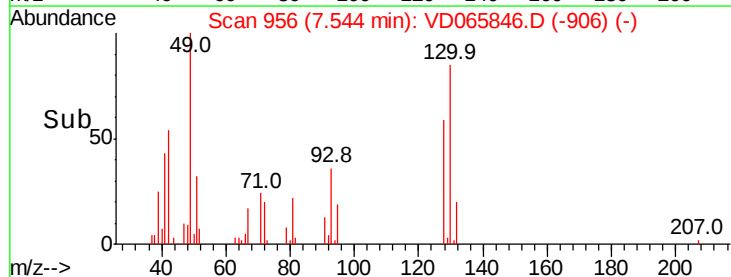
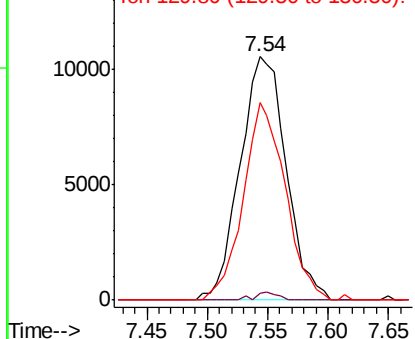
#28

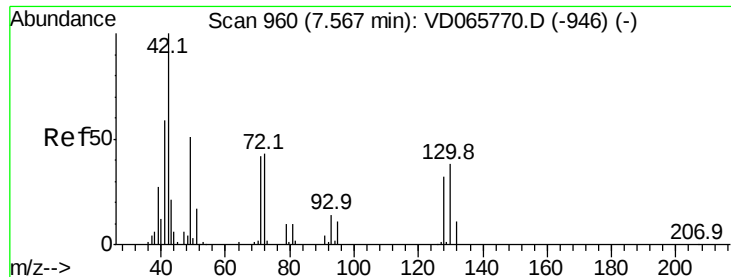
Bromochloromethane
 Concen: 21.624 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion	49	Resp	28019
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	74.0	59.5	89.3



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

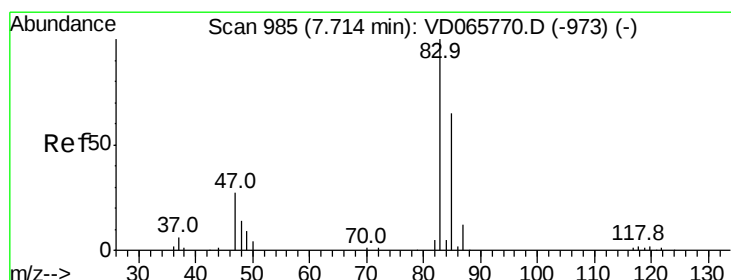
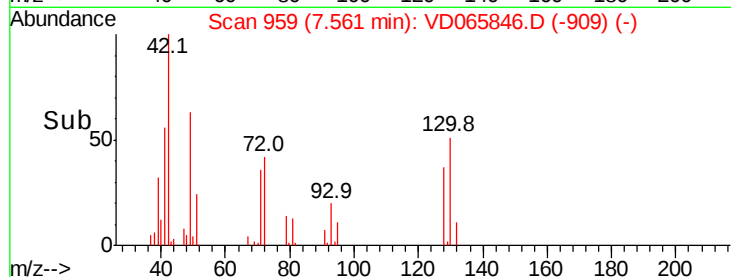
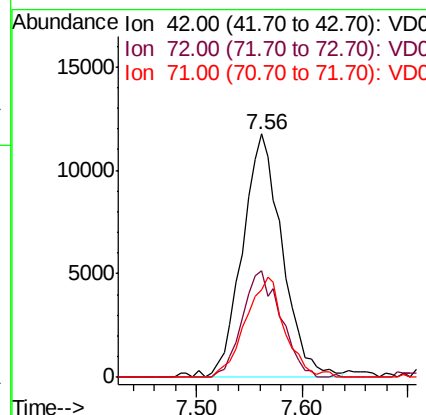
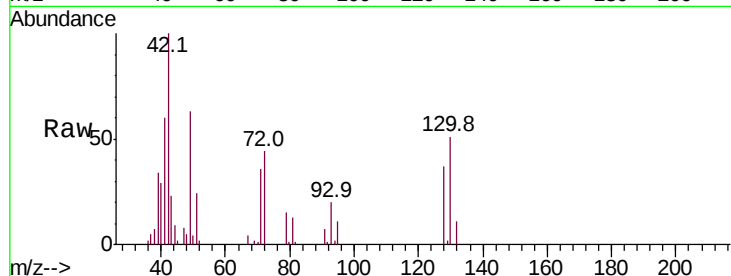




#29
Tetrahydrofuran
Concen: 103.952 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

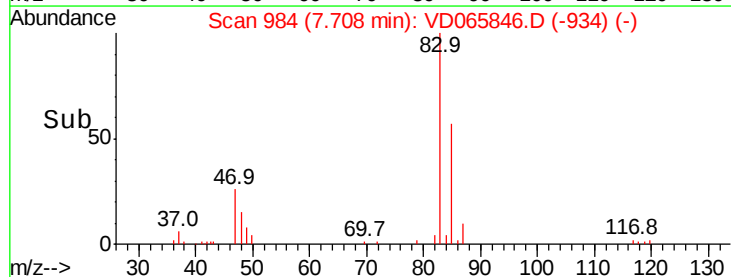
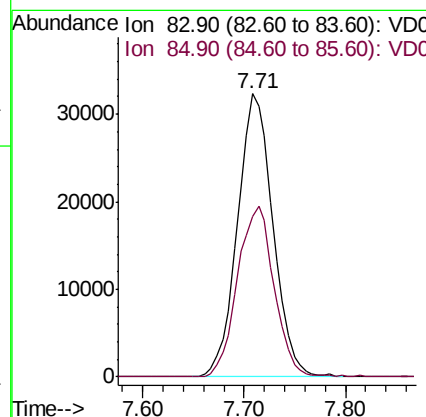
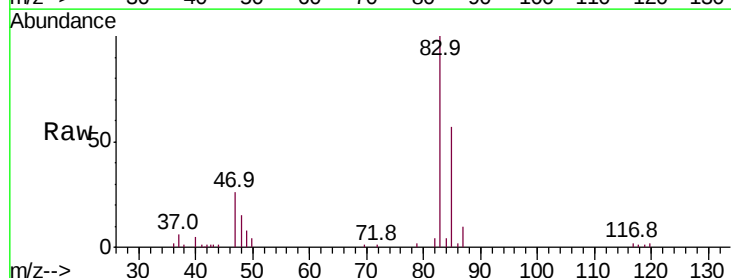
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

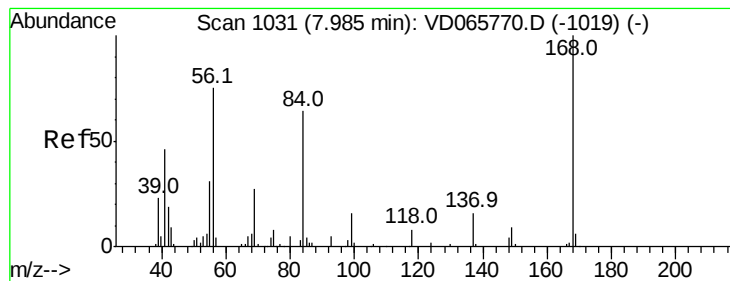
Tot Ion: 42 Resp: 30695
Ion Ratio Lower Upper
42 100
72 42.4 34.9 52.3
71 40.5 31.2 46.8



#30
Chloroform
Concen: 22.544 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion: 83 Resp: 78394
Ion Ratio Lower Upper
83 100
85 56.8 51.9 77.9





#31

Cyclohexane

Concen: 22.010 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

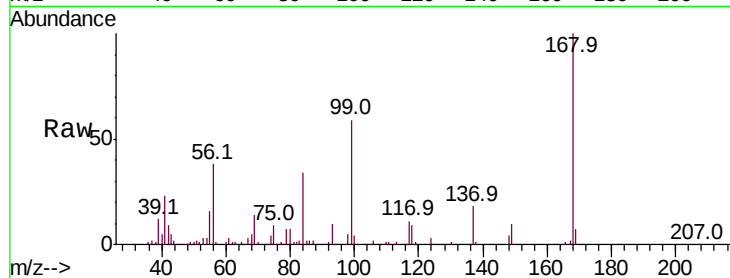
Tot Ion: 56 Resp: 70789

Ion Ratio Lower Upper

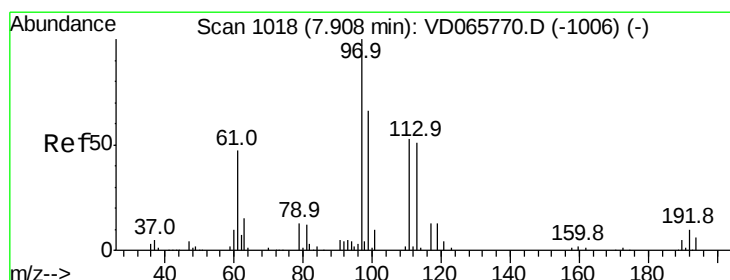
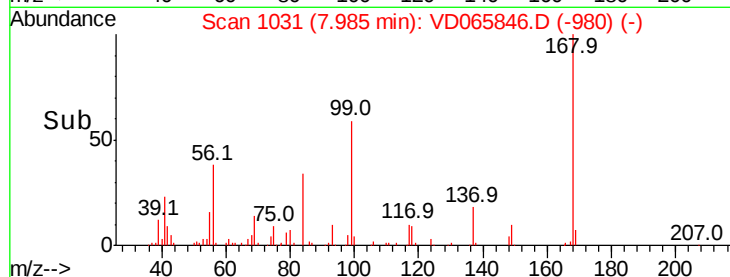
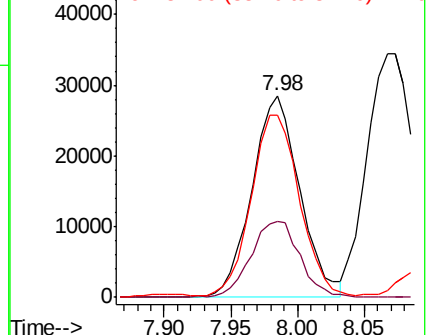
56 100

69 37.4 28.5 42.7

84 89.3 68.4 102.6



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: 22.851 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

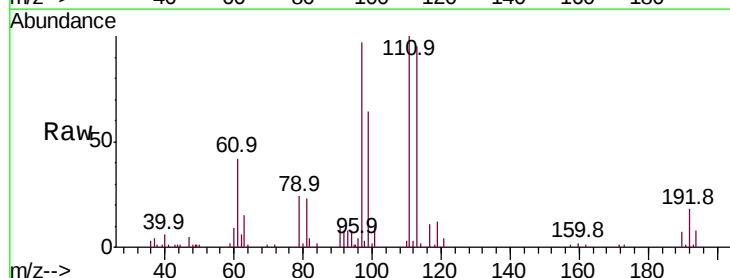
Tgt Ion: 97 Resp: 73065

Ion Ratio Lower Upper

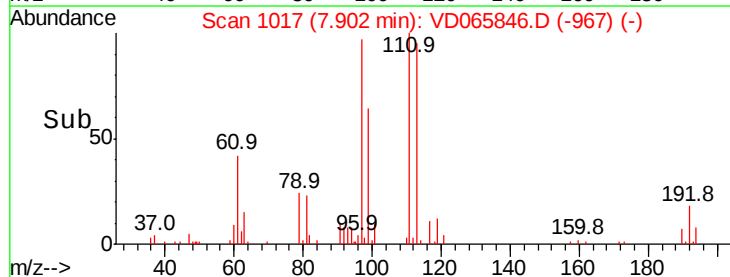
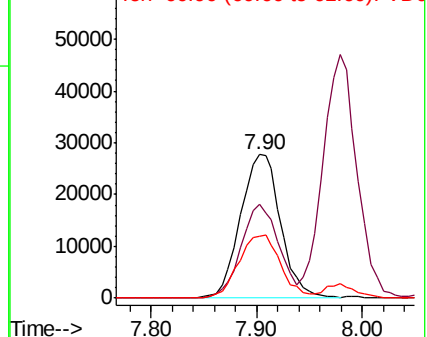
97 100

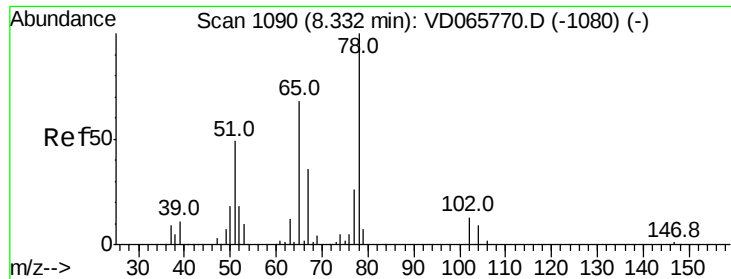
99 61.2 49.2 73.8

61 45.7 36.0 54.0



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

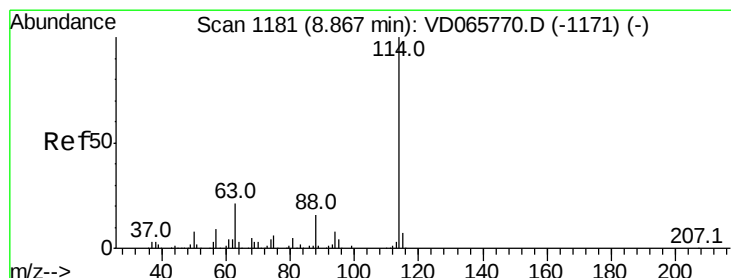
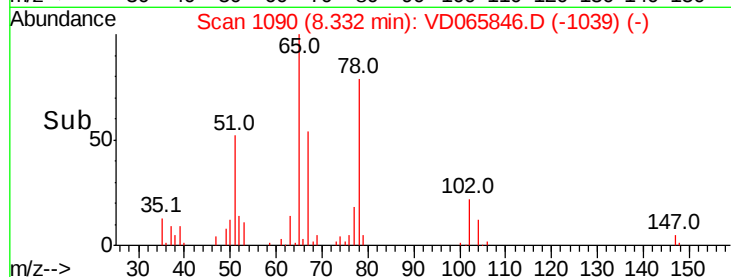
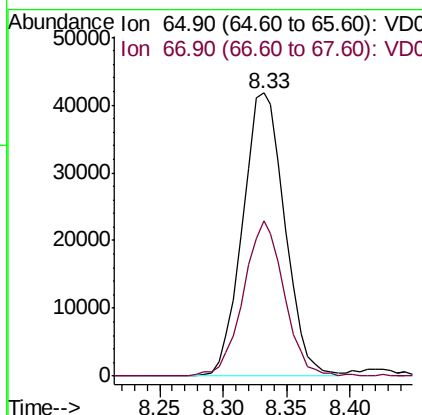
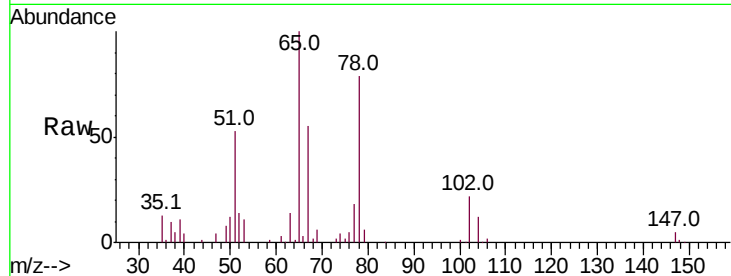




#33
 1,2-Dichloroethane-d4
 Concen: 53.839 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

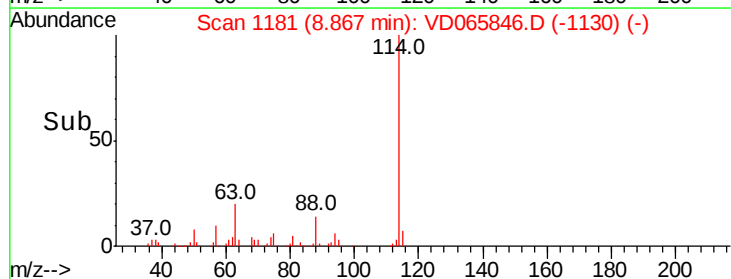
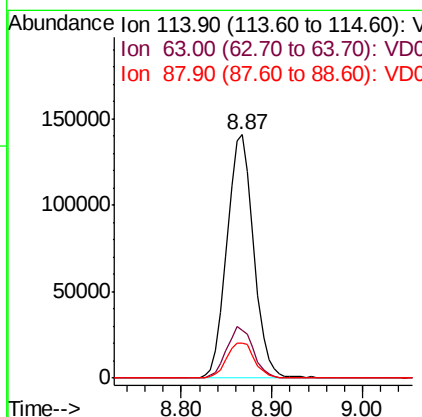
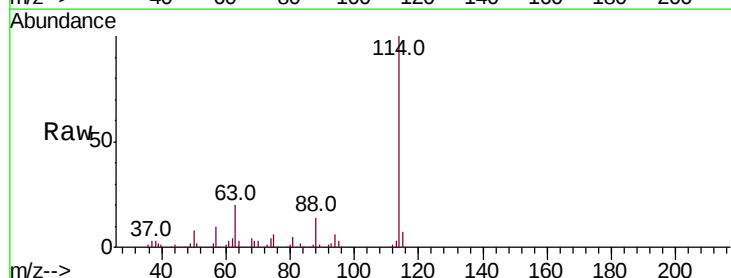
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

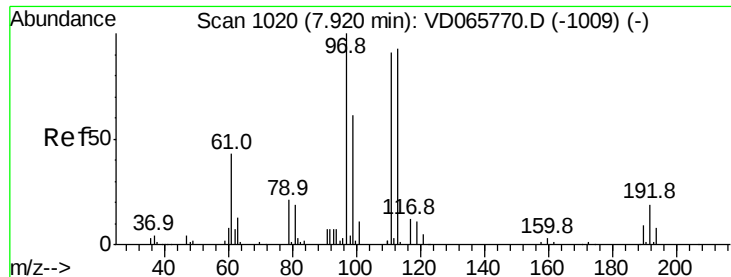
Tot Ion: 65 Resp: 96555
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion: 114 Resp: 290059
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.8
 88 14.2 0.0 32.0

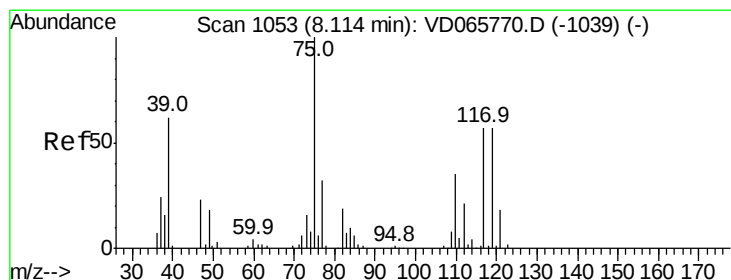
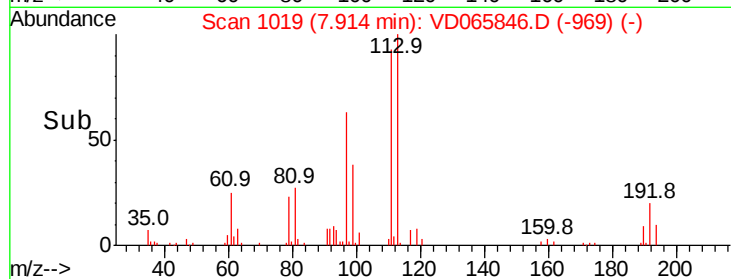
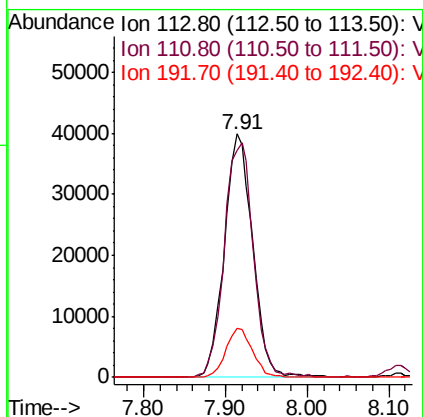
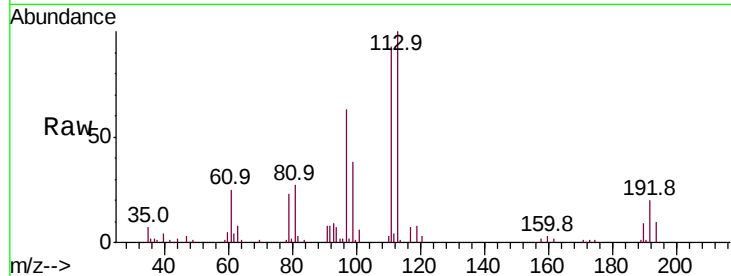




#35
 Dibromofluoromethane
 Concen: 52.442 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

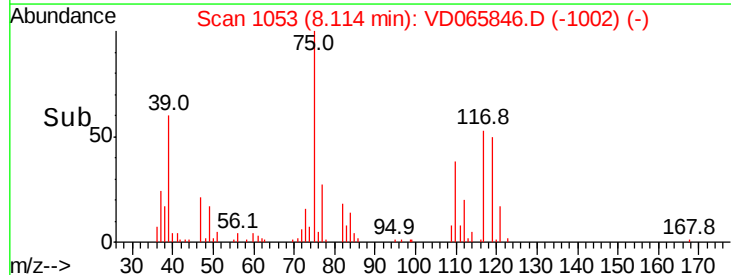
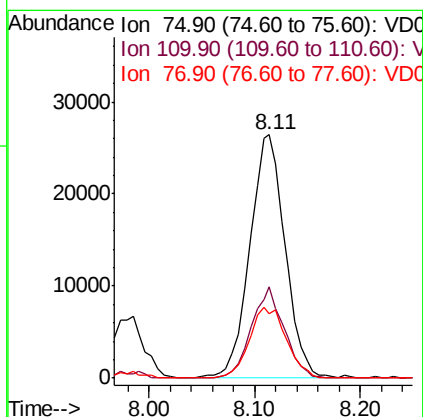
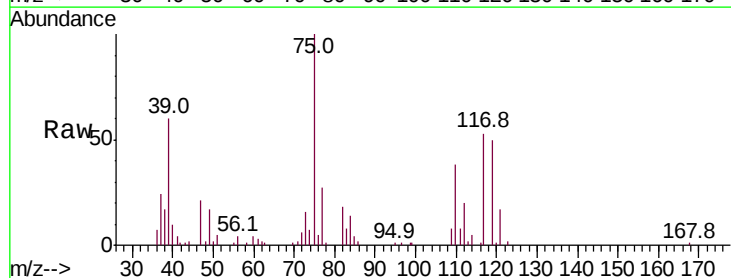
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

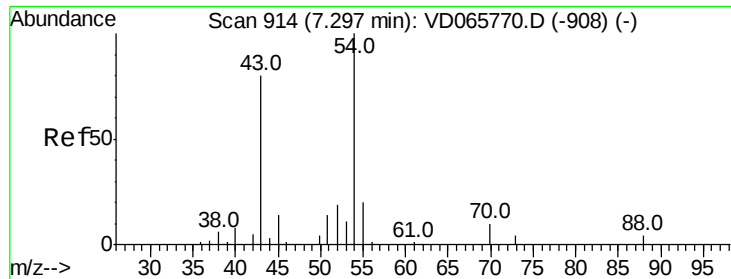
Tot Ion:113 Resp: 96084
 Ion Ratio Lower Upper
 113 100
 111 99.5 83.4 125.0
 192 18.9 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 22.118 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion: 75 Resp: 61457
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.6 52.8
 77 30.4 25.1 37.7

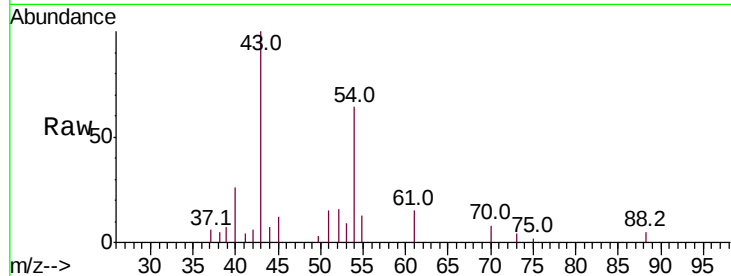




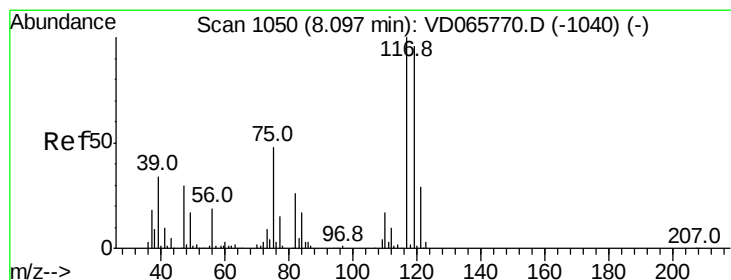
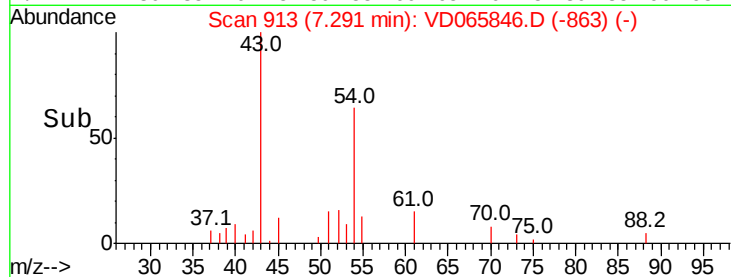
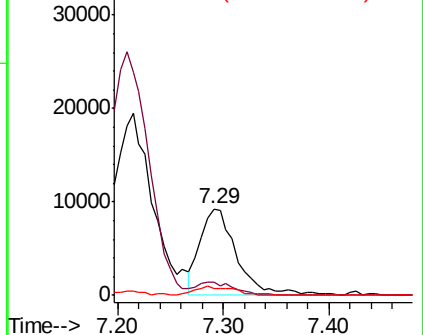
#37
Ethyl Acetate
Concen: 20.630 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 43 Resp: 22578
Ion Ratio Lower Upper
43 100
61 14.6 10.6 15.8
70 11.4 7.5 11.3#

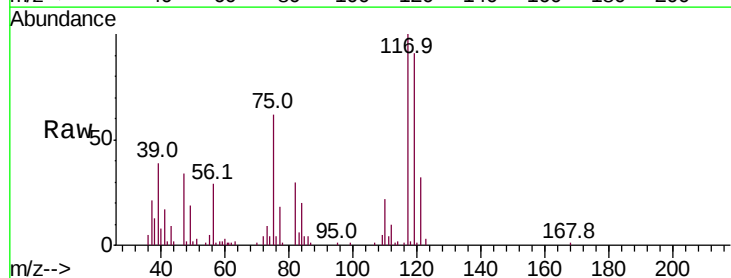


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

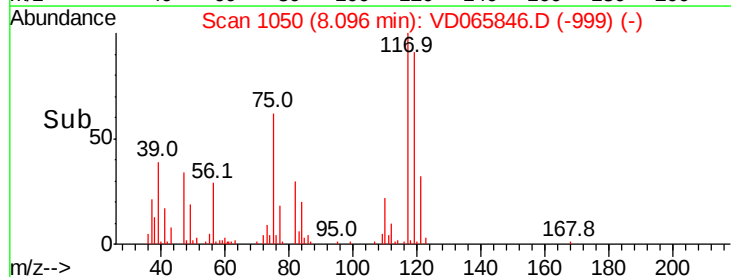
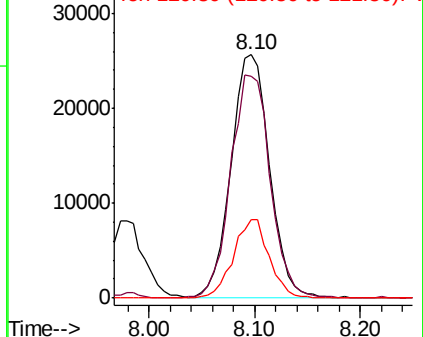


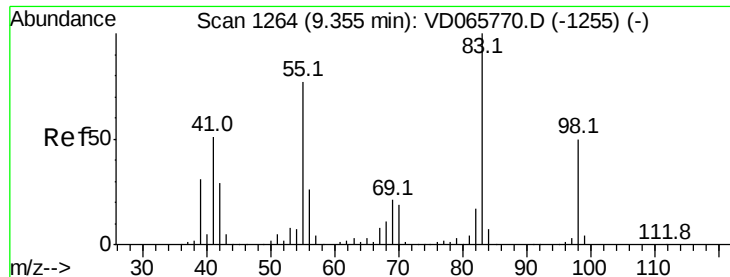
#38
Carbon Tetrachloride
Concen: 22.198 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion: 117 Resp: 64910
Ion Ratio Lower Upper
117 100
119 91.0 76.8 115.2
121 32.3 23.4 35.2



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

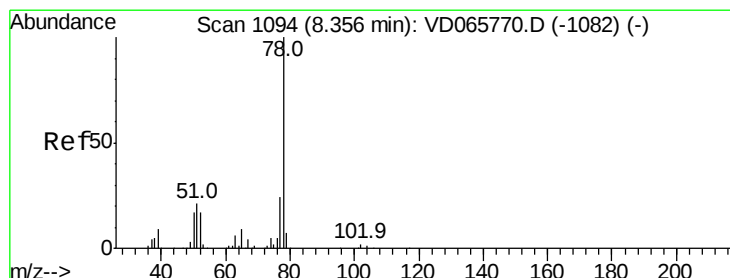
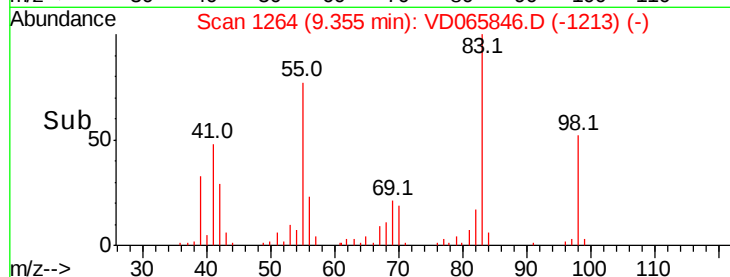
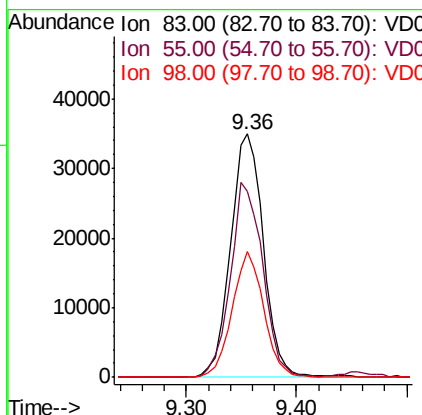
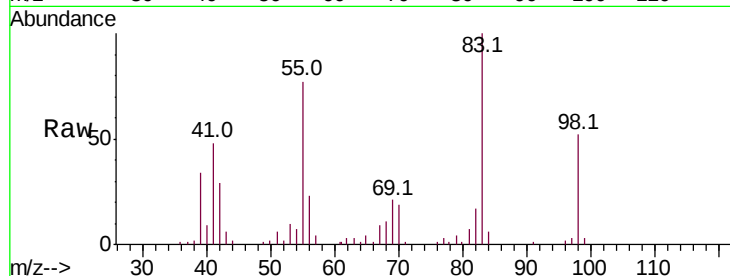




#39
Methvlcvclohexane
Concen: 22.229 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

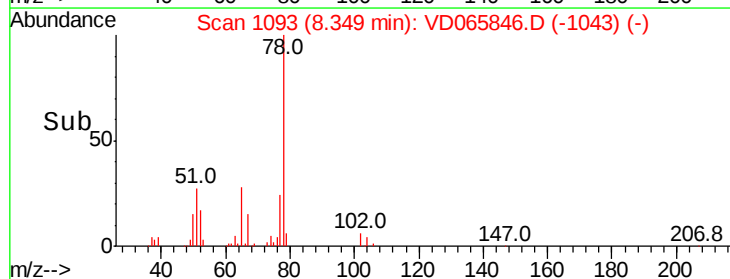
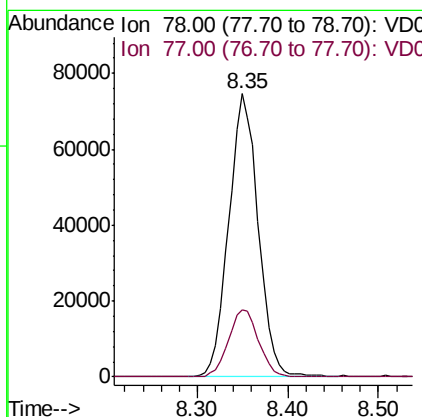
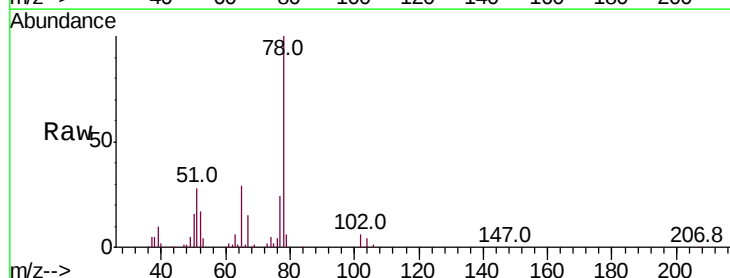
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

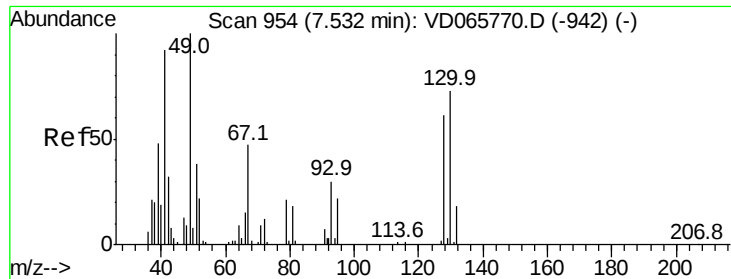
Tot Ion: 83 Resp: 73127
Ion Ratio Lower Upper
83 100
55 76.5 61.6 92.4
98 51.6 40.2 60.2



#40
Benzene
Concen: 22.186 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion: 78 Resp: 168529
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8





#41

Methacrylonitrile

Concen: 47.580 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

Tot Ion: 41 Resp: 31007

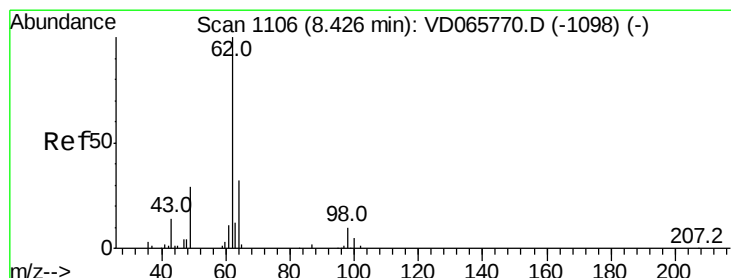
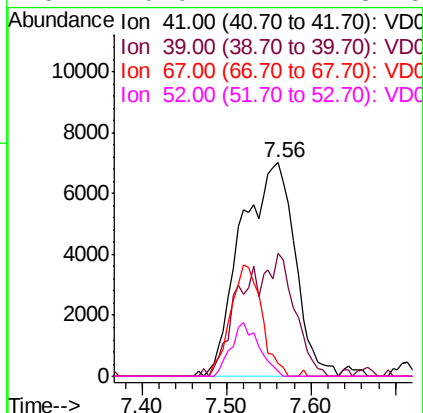
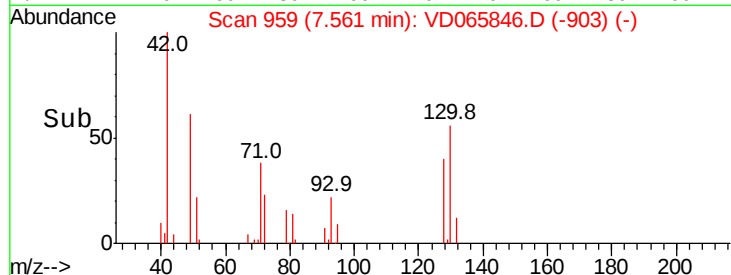
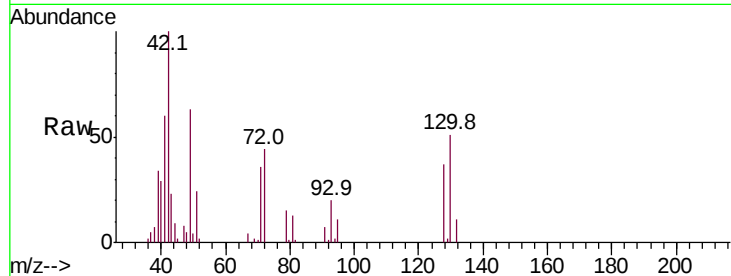
Ion Ratio Lower Upper

41 100

39 0.0 38.3 57.5#

67 0.0 49.8 74.6#

52 0.0 21.7 32.5#



#42

1,2-Dichloroethane

Concen: 21.260 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD065846.D

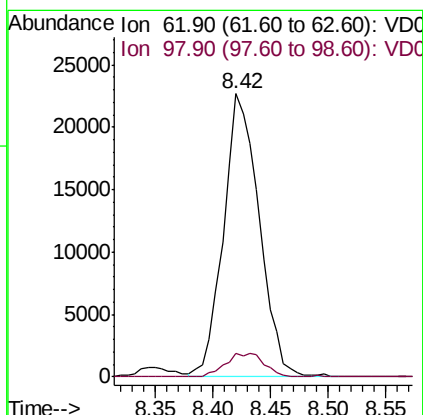
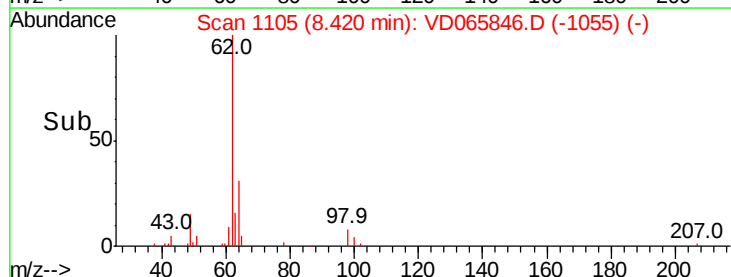
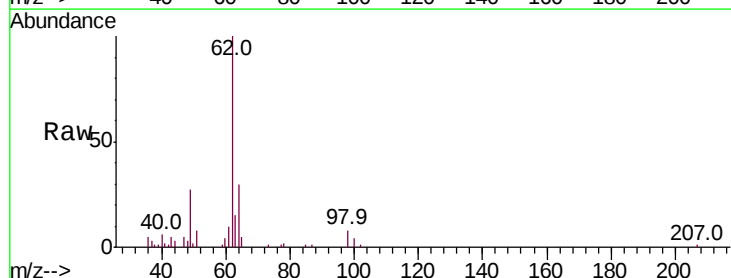
Acq: 22 Jun 2020 16:03

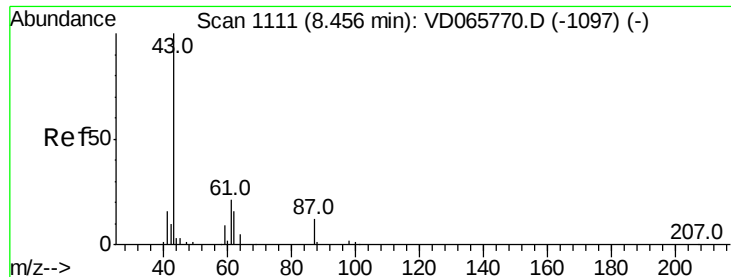
Tgt Ion: 62 Resp: 48727

Ion Ratio Lower Upper

62 100

98 9.1 0.0 18.6





#43

Isopropyl Acetate

Concen: 21.000 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

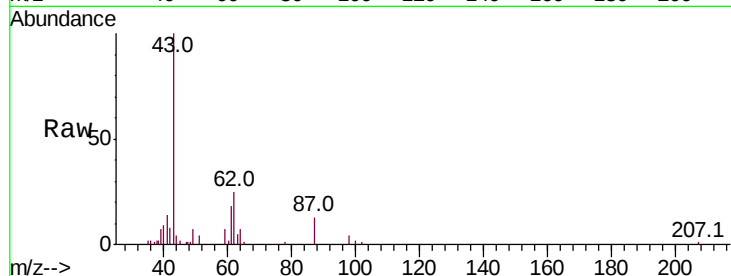
Tot Ion: 43 Resp: 45702

Ion Ratio Lower Upper

43 100

61 29.1 24.2 36.4

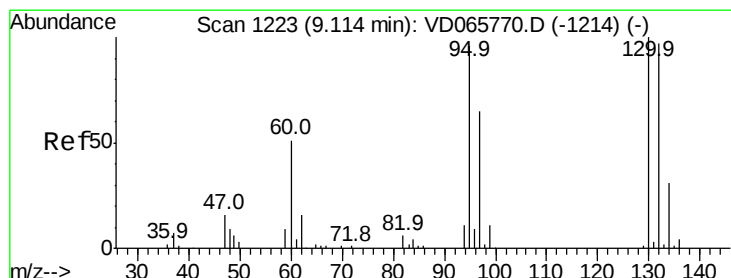
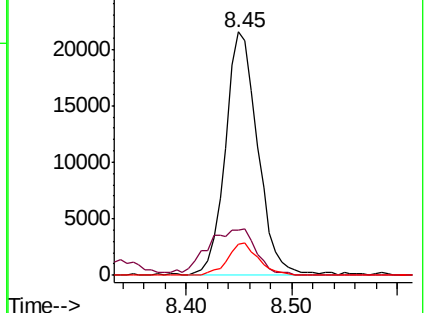
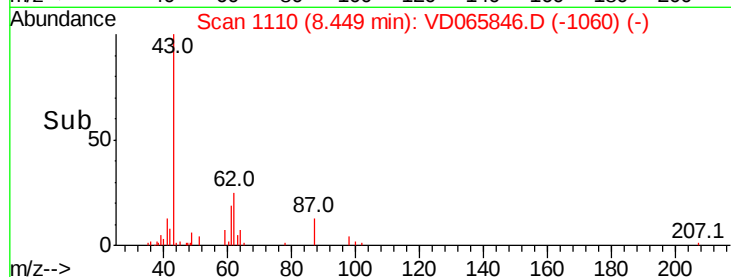
87 12.6 9.5 14.3



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: 22.039 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065846.D

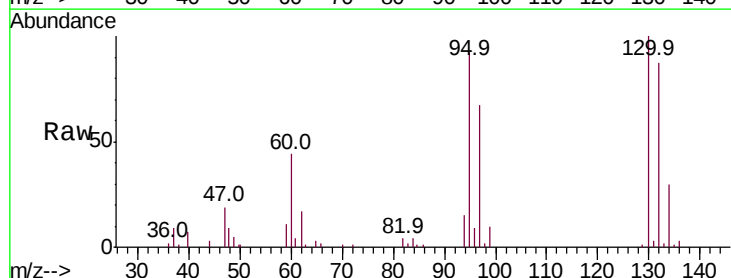
Acq: 22 Jun 2020 16:03

Tgt Ion:130 Resp: 46588

Ion Ratio Lower Upper

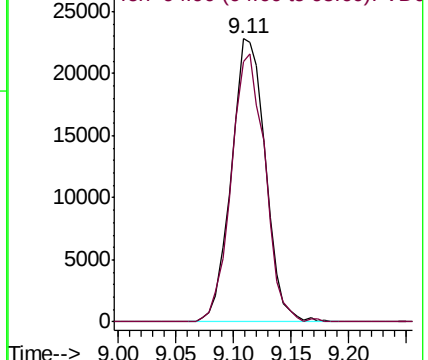
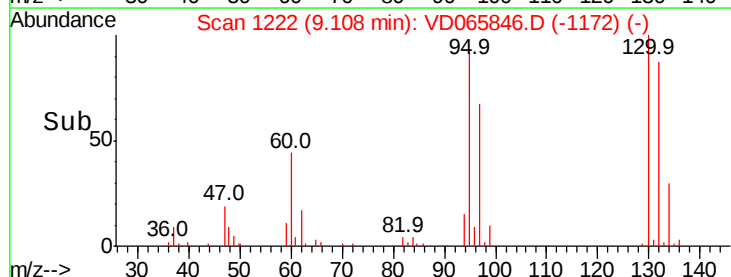
130 100

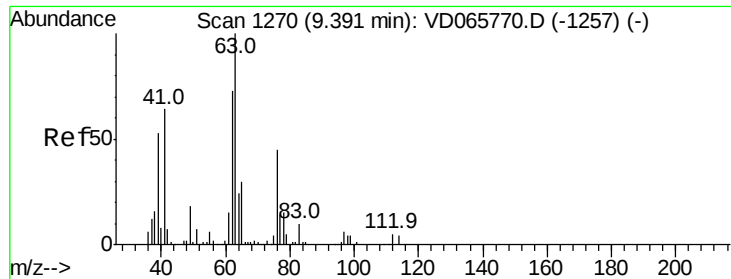
95 92.1 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.018 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

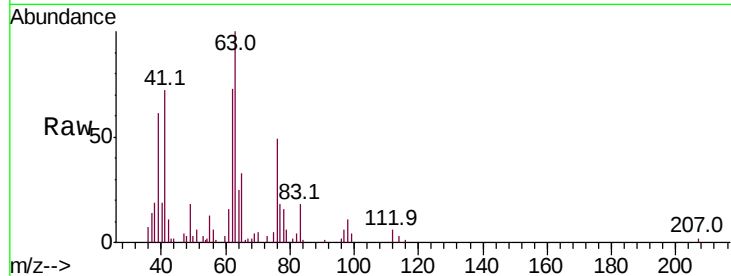
VD0622SBS01

Tot Ion: 63 Resp: 40115

Ion Ratio Lower Upper

63 100

65 33.5 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

20000

15000

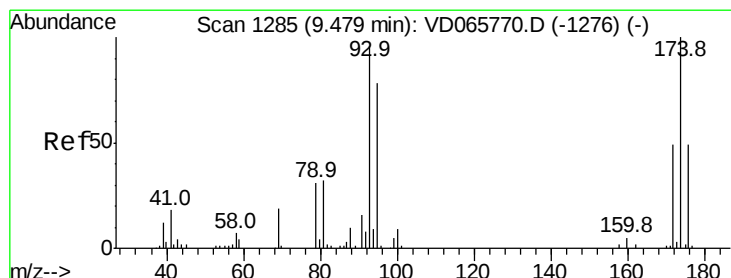
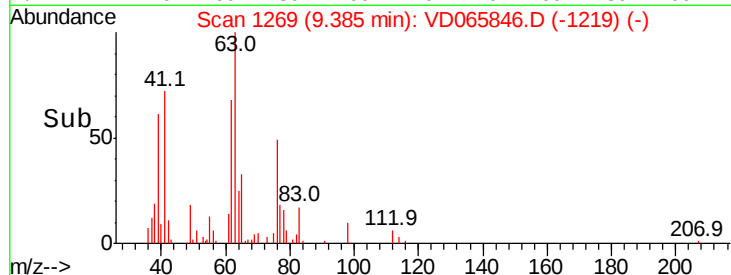
10000

5000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 21.032 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

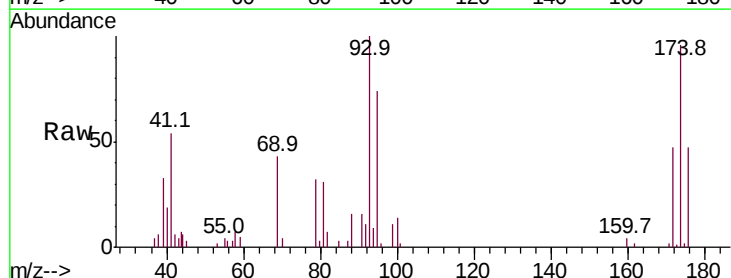
Tgt Ion: 93 Resp: 21771

Ion Ratio Lower Upper

93 100

95 80.4 65.8 98.6

174 98.8 80.9 121.3



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): V

15000

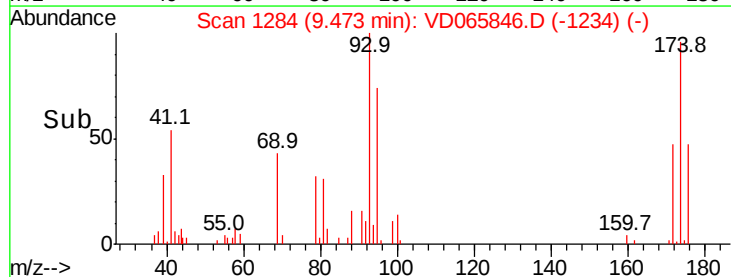
10000

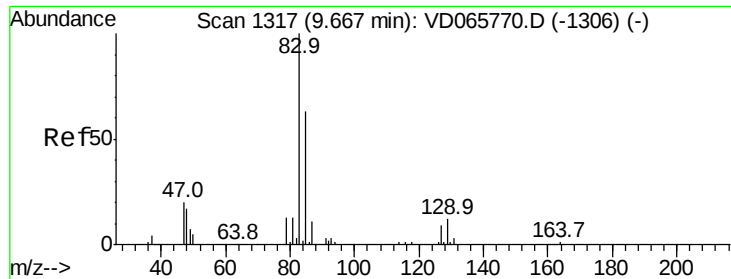
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 21.176 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

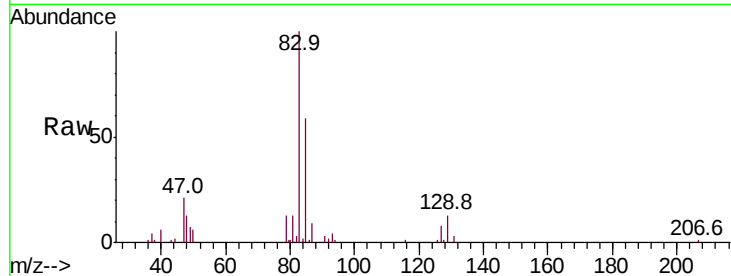
Tot Ion: 83 Resp: 58739

Ion Ratio Lower Upper

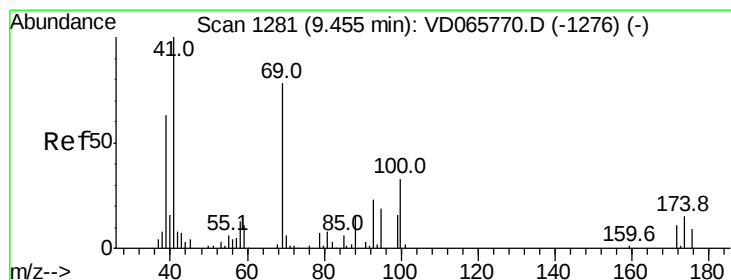
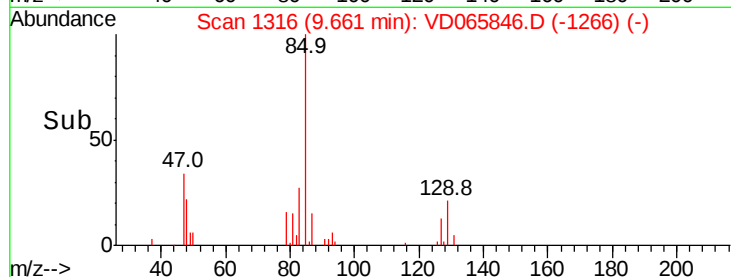
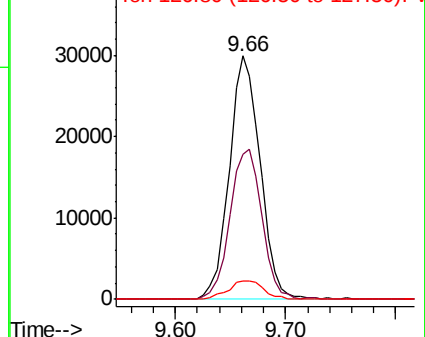
83 100

85 59.4 50.7 76.1

127 7.8 7.1 10.7



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



#48

Methyl methacrylate

Concen: 21.883 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

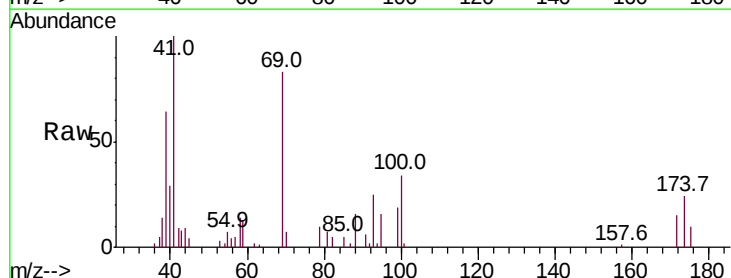
Tgt Ion: 41 Resp: 23052

Ion Ratio Lower Upper

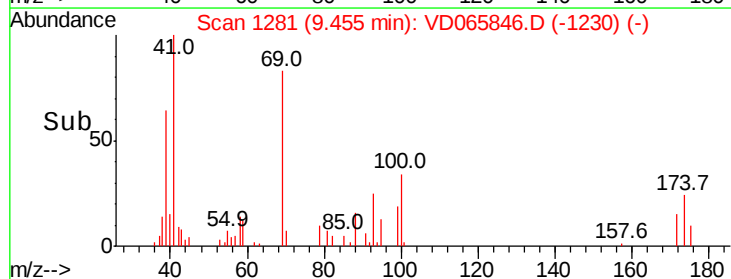
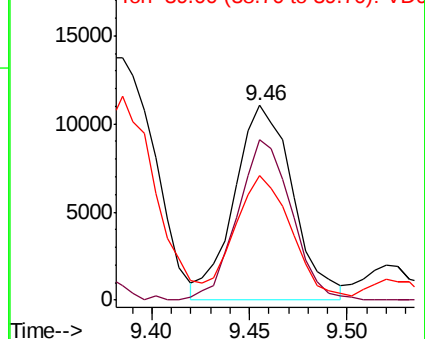
41 100

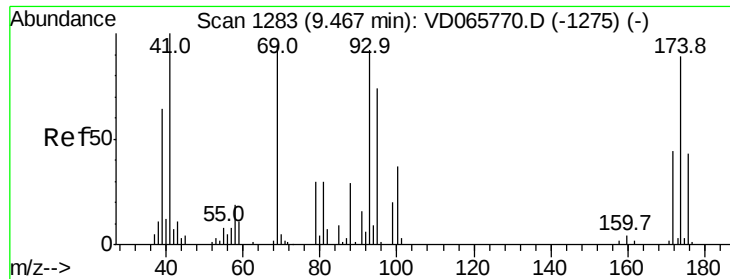
69 75.4 60.9 91.3

39 57.7 48.1 72.1



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: 408.880 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

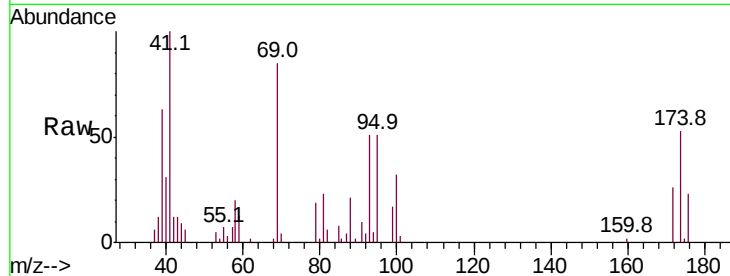
Tot Ion: 88 Resp: 4505

Ion Ratio Lower Upper

88 100

43 40.3 32.2 48.4

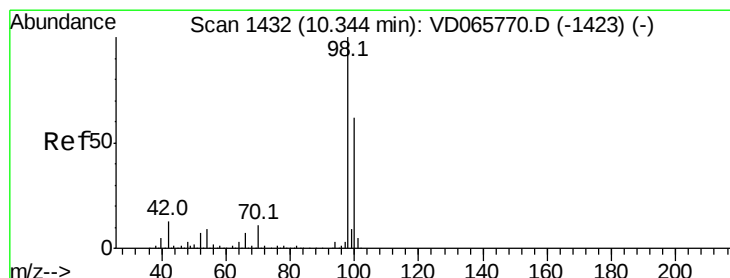
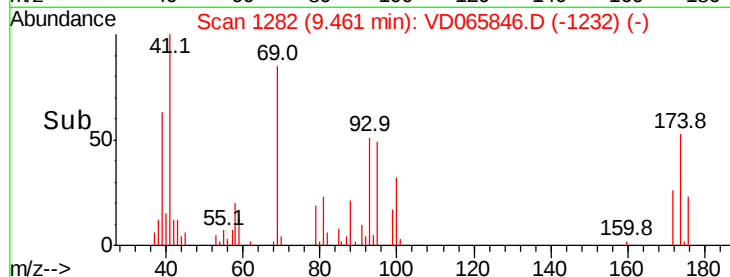
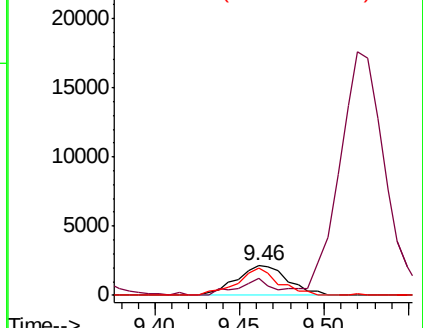
58 74.6 54.9 82.3



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: 53.513 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065846.D

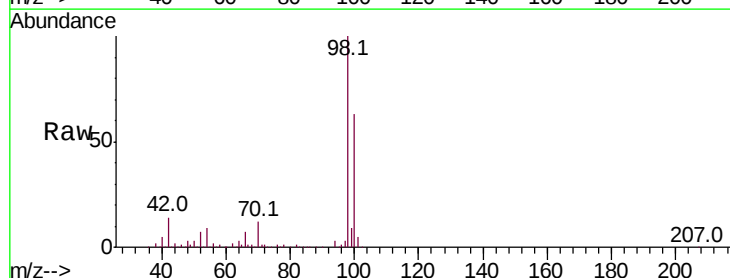
Acq: 22 Jun 2020 16:03

Tgt Ion: 98 Resp: 365604

Ion Ratio Lower Upper

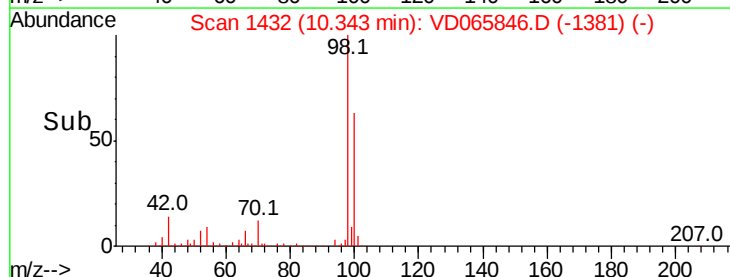
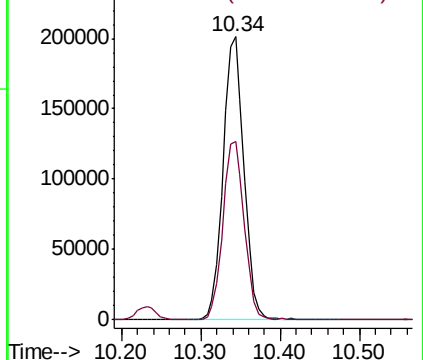
98 100

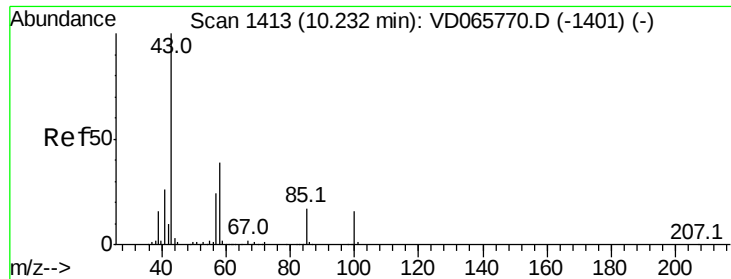
100 64.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.129 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

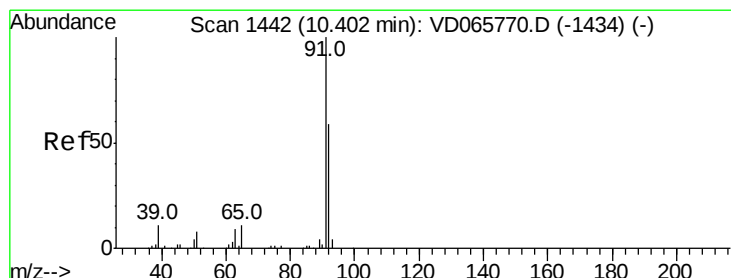
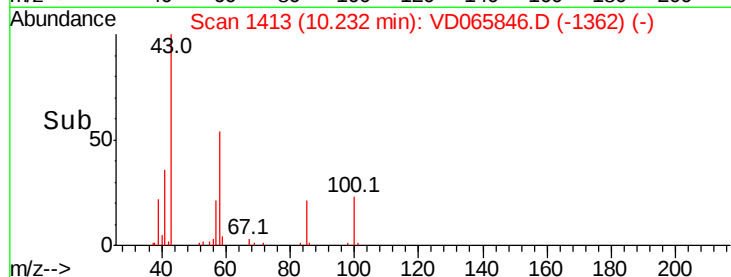
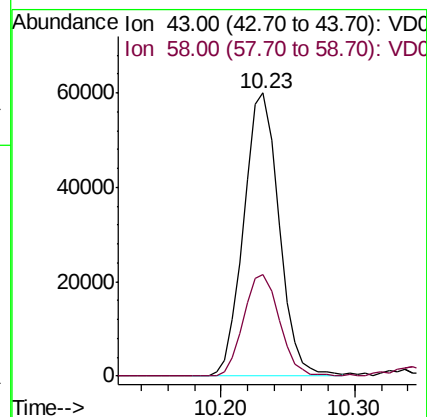
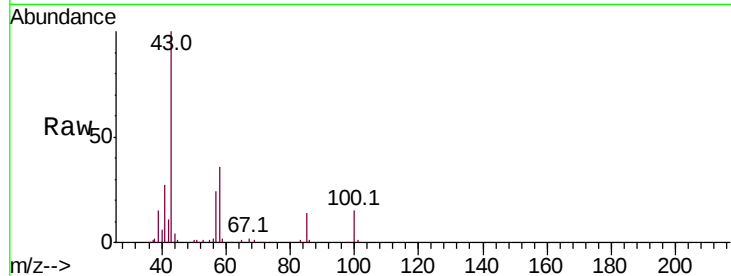
VD0622SBS01

Tot Ion: 43 Resp: 109979

Ion Ratio Lower Upper

43 100

58 36.6 30.7 46.1



#52

Toluene

Concen: 22.100 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065846.D

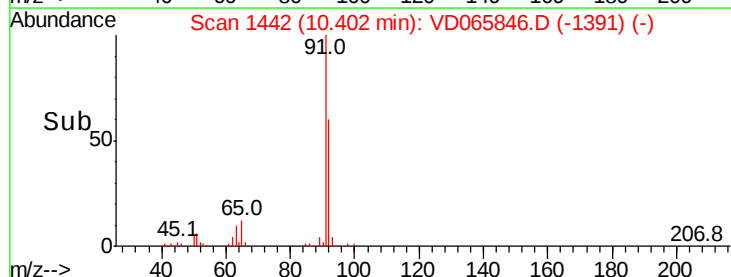
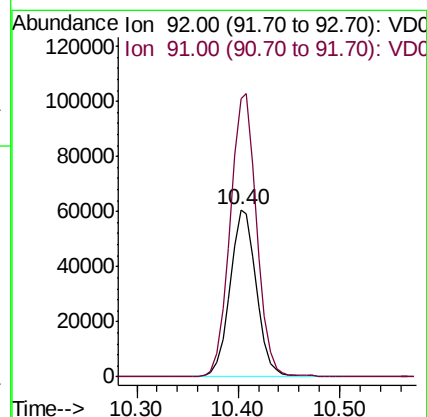
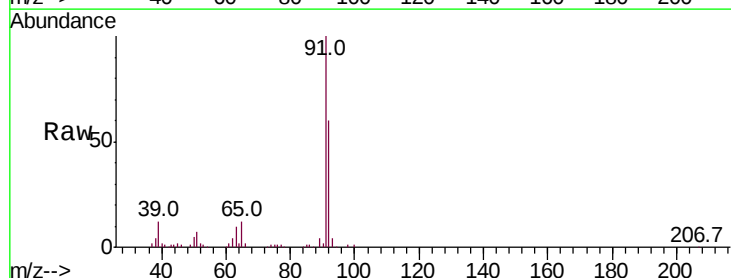
Acq: 22 Jun 2020 16:03

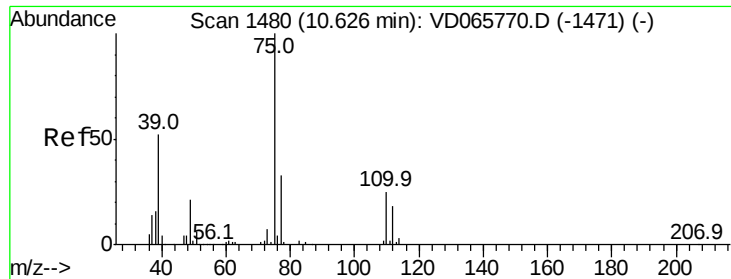
Tgt Ion: 92 Resp: 109079

Ion Ratio Lower Upper

92 100

91 170.3 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 21.262 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

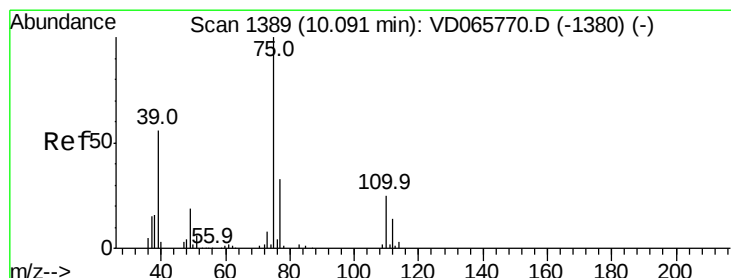
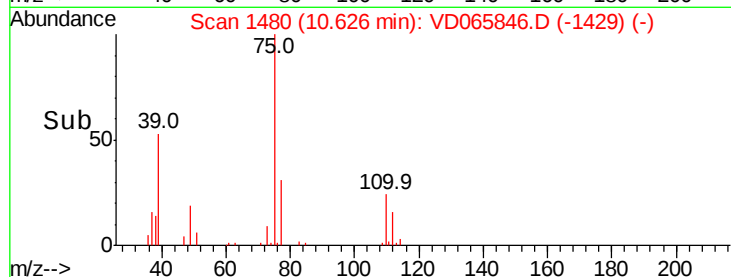
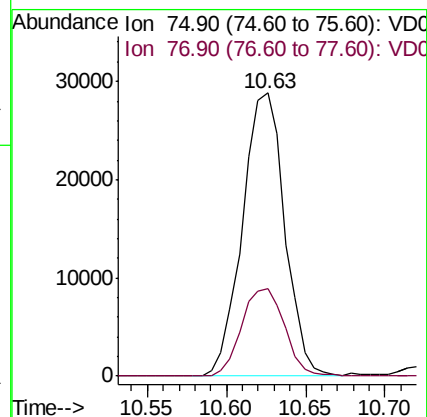
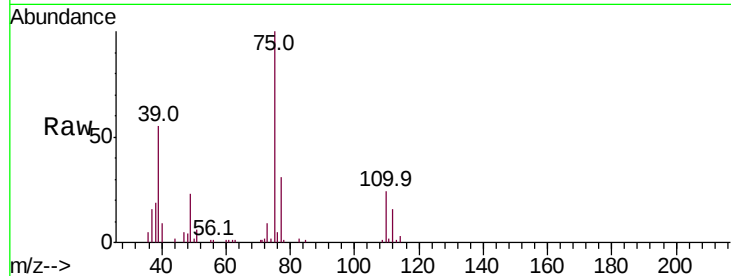
VD0622SBSD01

Tot Ion: 75 Resp: 53408

Ion Ratio Lower Upper

75 100

77 31.0 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 22.014 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

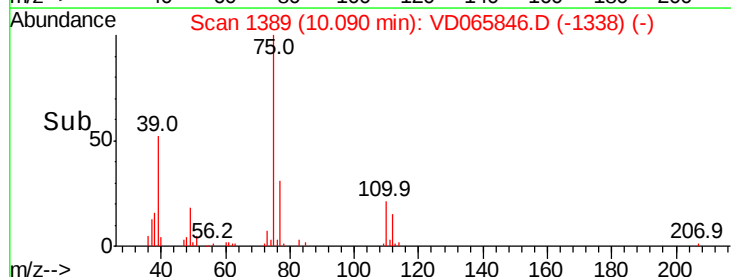
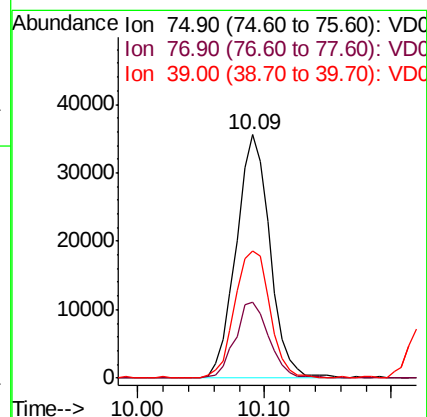
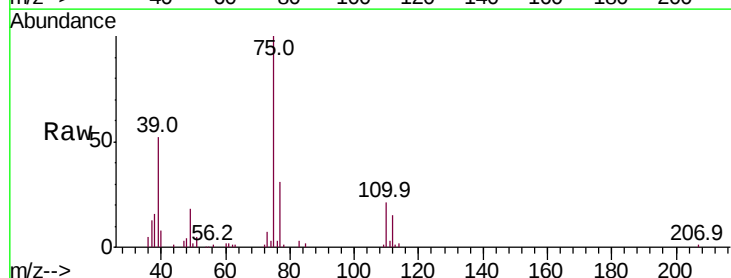
Tgt Ion: 75 Resp: 65306

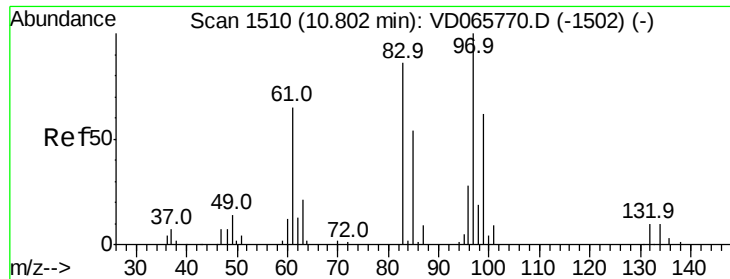
Ion Ratio Lower Upper

75 100

77 31.1 26.0 39.0

39 52.2 45.0 67.6

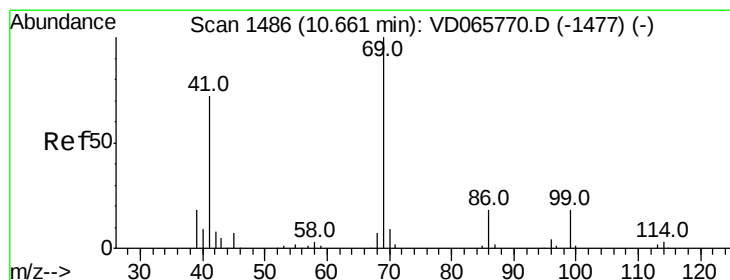
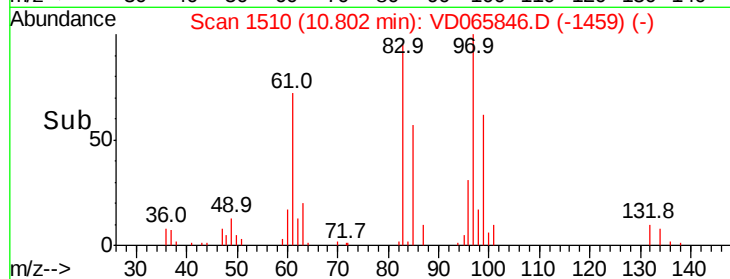
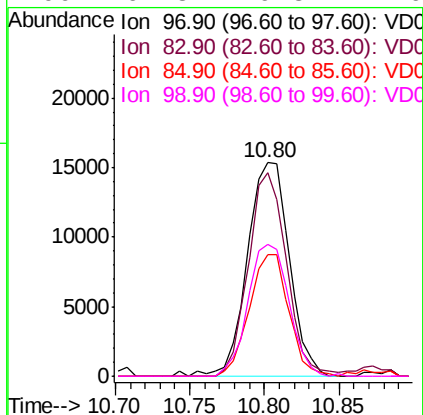
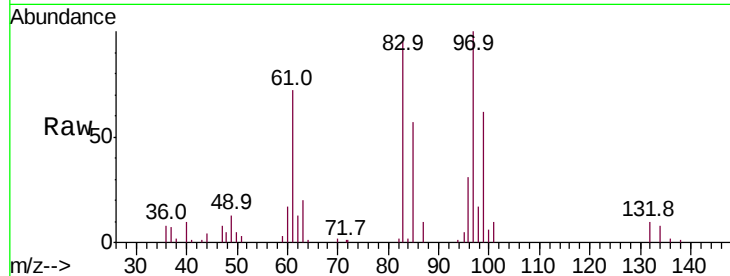




#55
 1,1,2-Trichloroethane
 Concen: 21.496 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

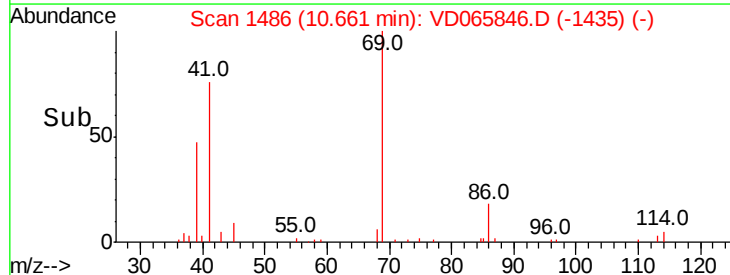
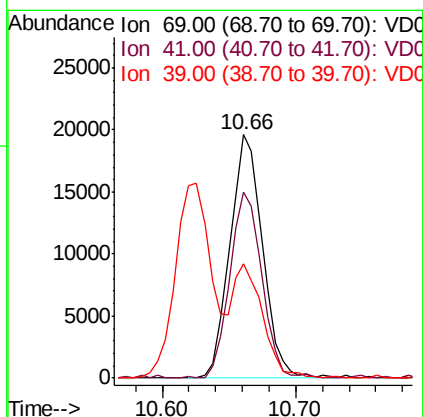
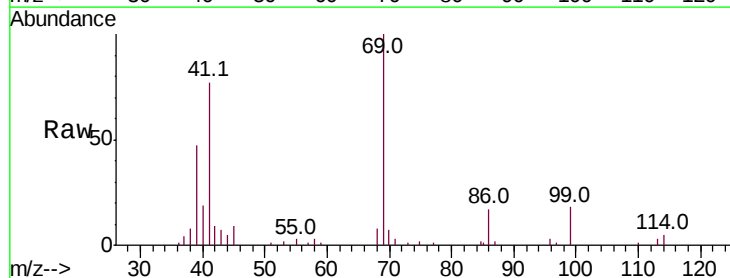
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

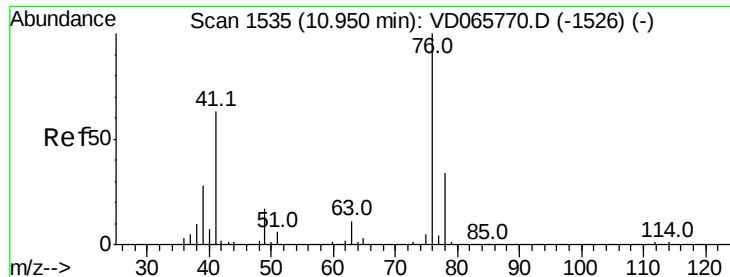
Tot Ion: 97 Resp: 29731
 Ion Ratio Lower Upper
 97 100
 83 95.3 68.7 103.1
 85 56.9 43.0 64.6
 99 61.8 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 20.548 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion: 69 Resp: 33428
 Ion Ratio Lower Upper
 69 100
 41 75.2 56.9 85.3
 39 40.9 36.0 54.0





#57

1,3-Dichloropropane

Concen: 20.980 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

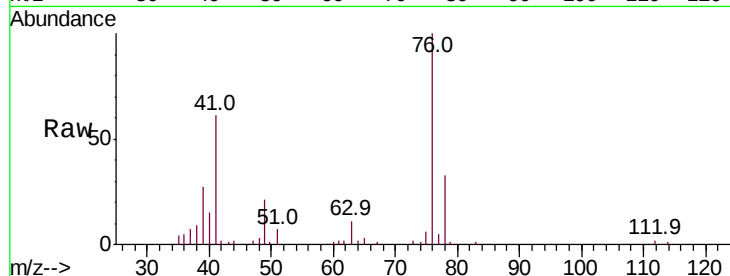
VD0622SBS01

Tot Ion: 76 Resp: 50274

Ion Ratio Lower Upper

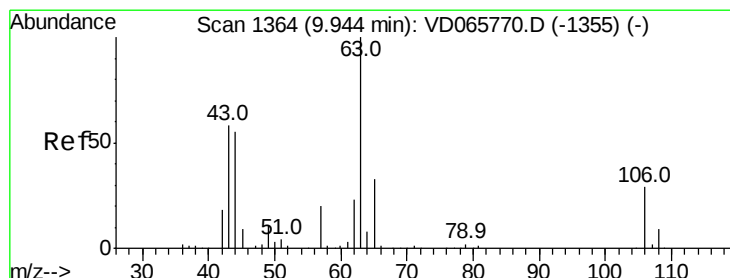
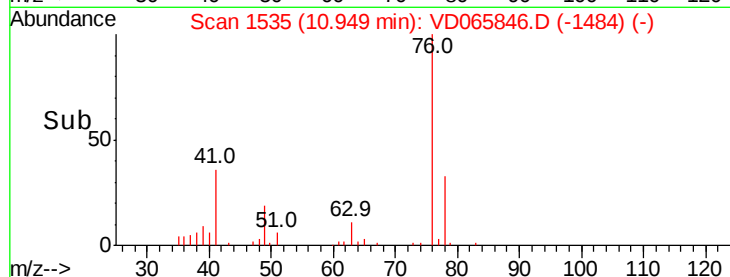
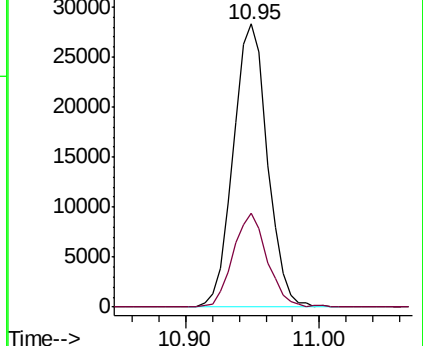
76 100

78 32.9 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.196 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065846.D

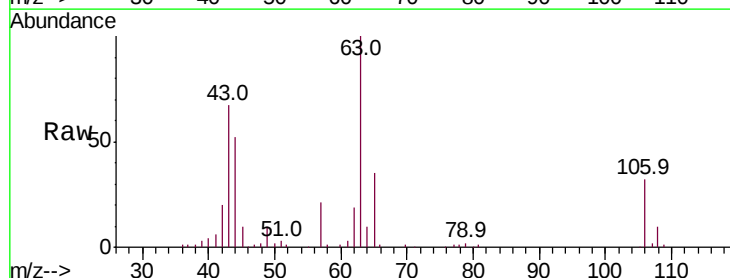
Acq: 22 Jun 2020 16:03

Tgt Ion: 63 Resp: 80321

Ion Ratio Lower Upper

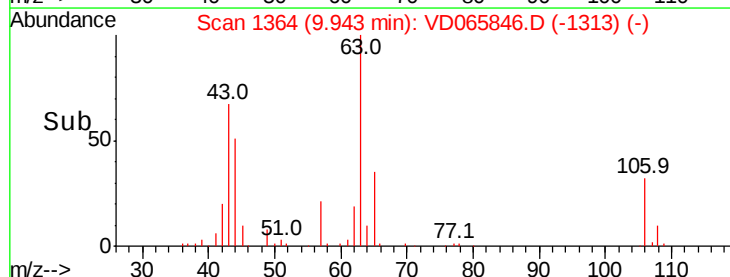
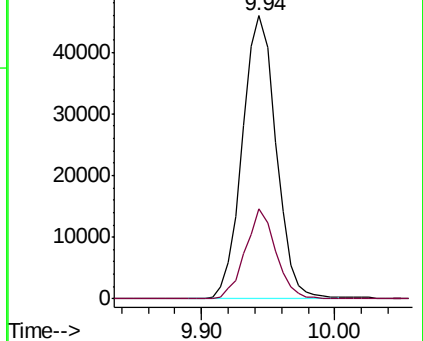
63 100

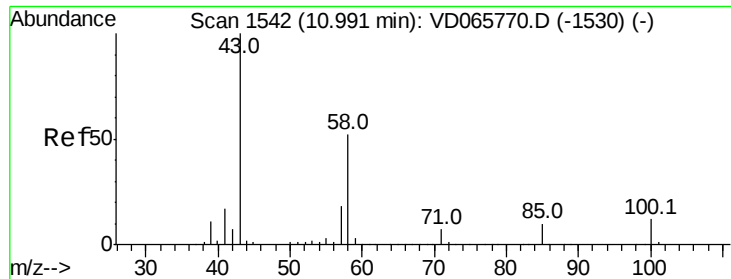
106 28.6 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

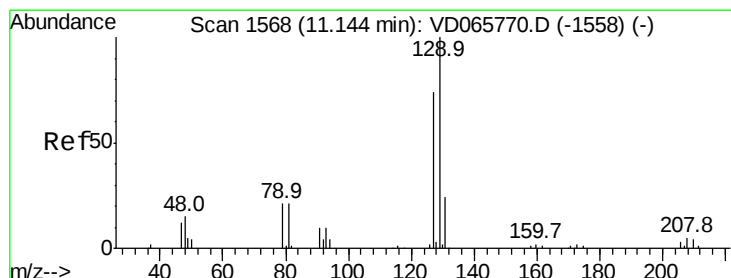
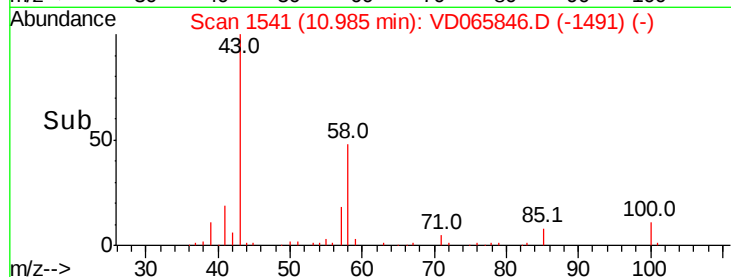
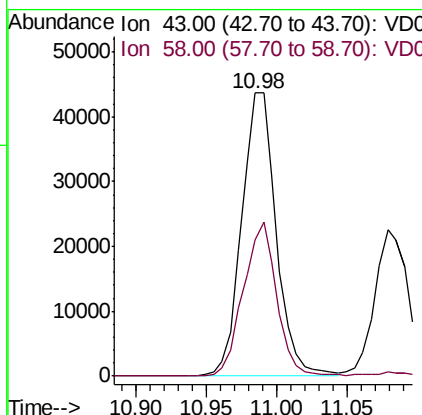
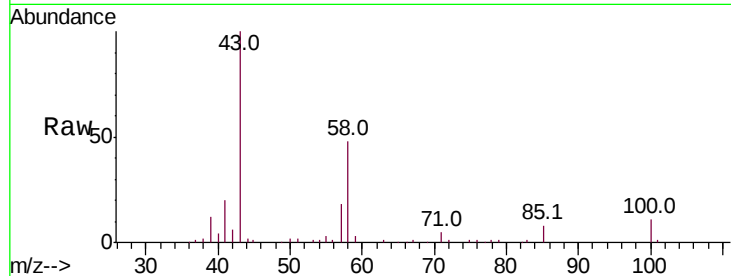




#59
2-Hexanone
Concen: 104.102 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

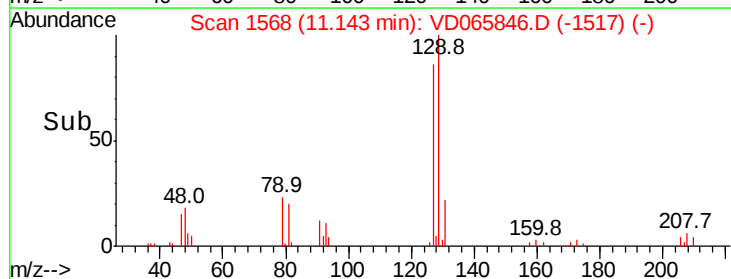
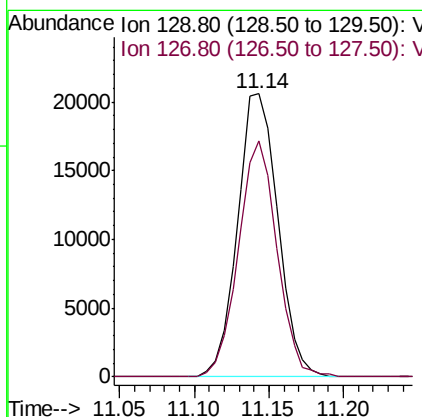
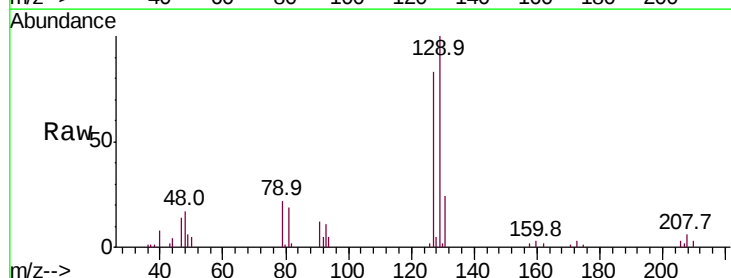
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

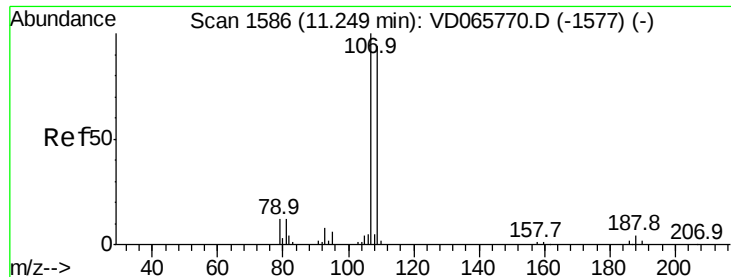
Tot Ion: 43 Resp: 74846
Ion Ratio Lower Upper
43 100
58 52.5 25.7 77.0



#60
Dibromochloromethane
Concen: 20.640 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion:129 Resp: 38564
Ion Ratio Lower Upper
129 100
127 79.8 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.265 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

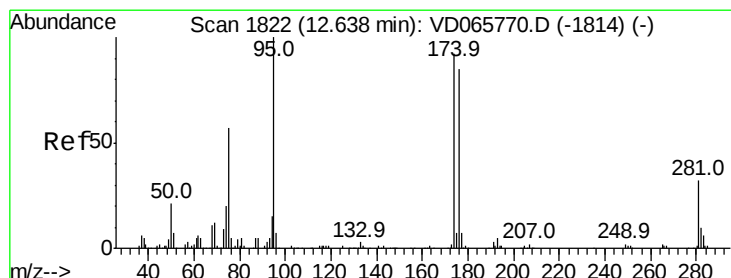
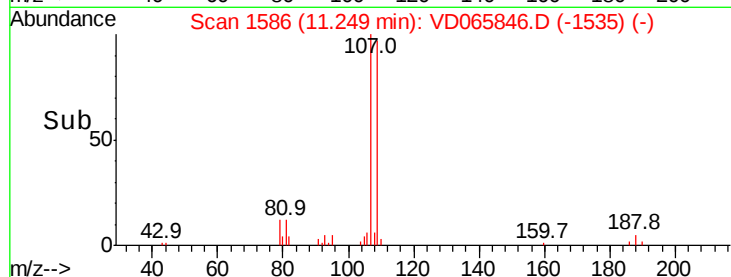
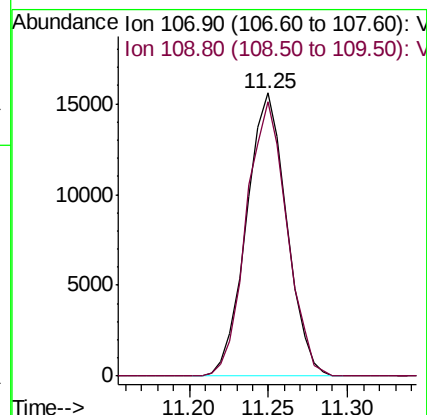
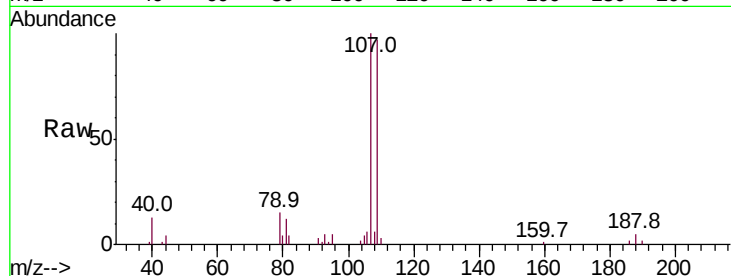
VD0622SBSD01

Tot Ion:107 Resp: 27545

Ion Ratio Lower Upper

107 100

109 97.7 74.4 111.6



#62

4-Bromofluorobenzene

Concen: 52.700 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

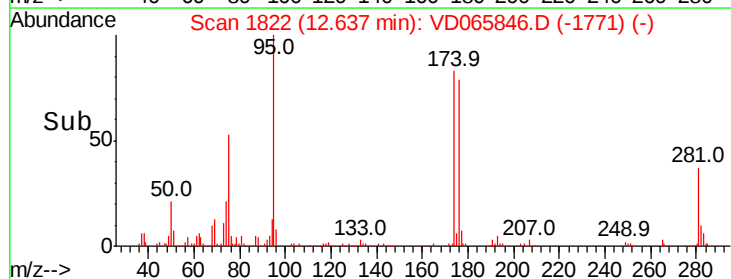
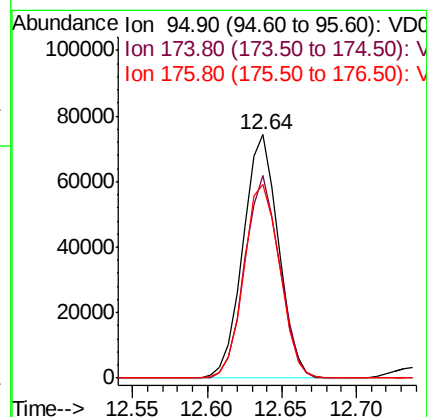
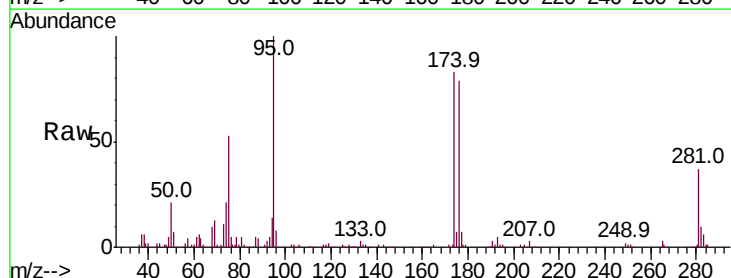
Tgt Ion: 95 Resp: 122104

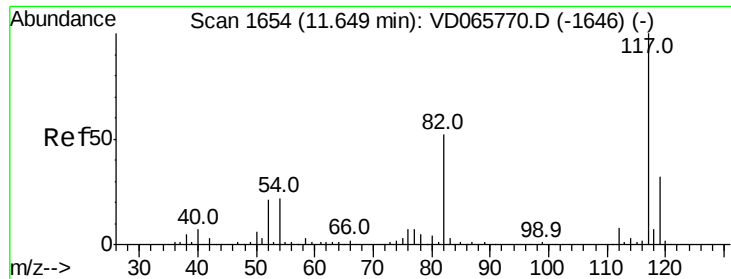
Ion Ratio Lower Upper

95 100

174 82.3 0.0 175.2

176 80.5 0.0 163.0

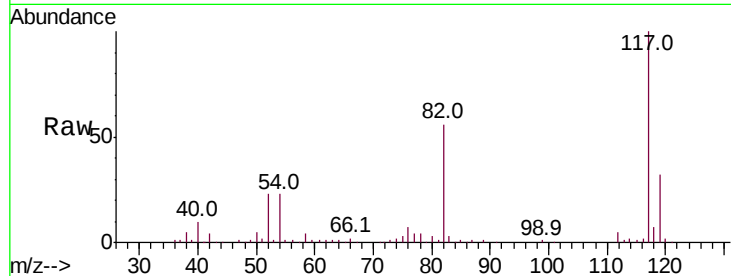




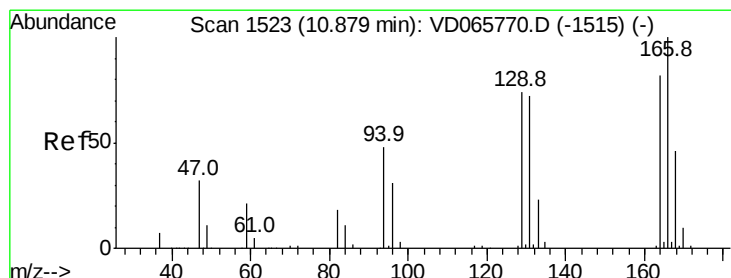
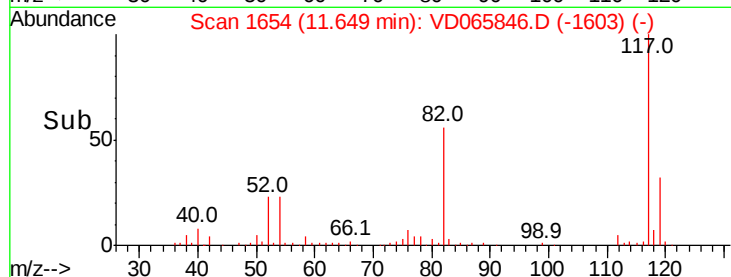
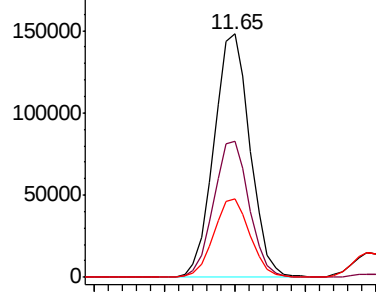
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion:117 Resp: 265312
Ion Ratio Lower Upper
117 100
82 55.7 41.9 62.9
119 32.3 25.3 37.9

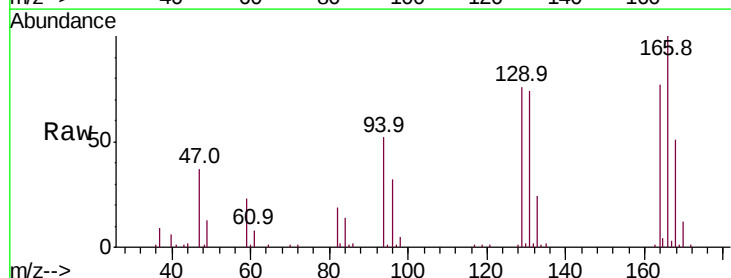


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

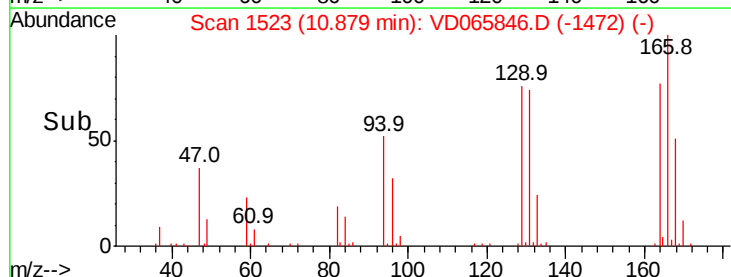
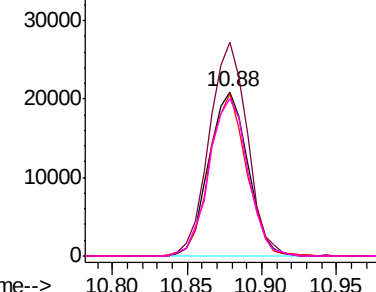


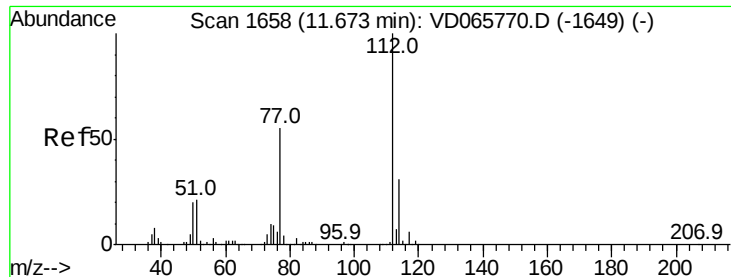
#64
Tetrachloroethene
Concen: 21.173 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion:164 Resp: 37985
Ion Ratio Lower Upper
164 100
166 129.9 98.2 147.2
129 98.6 72.3 108.5
131 95.5 70.5 105.7



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

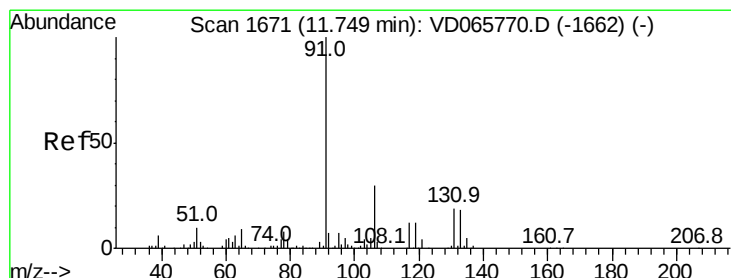
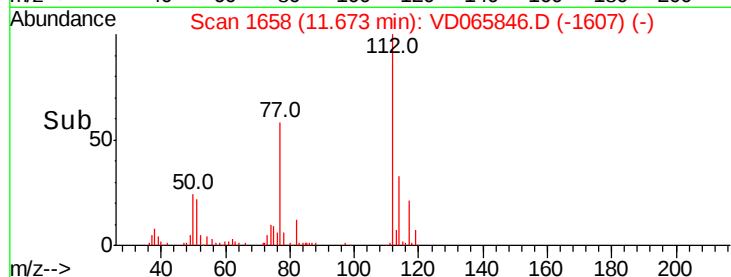
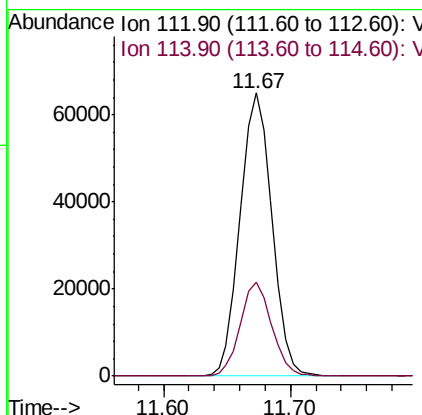
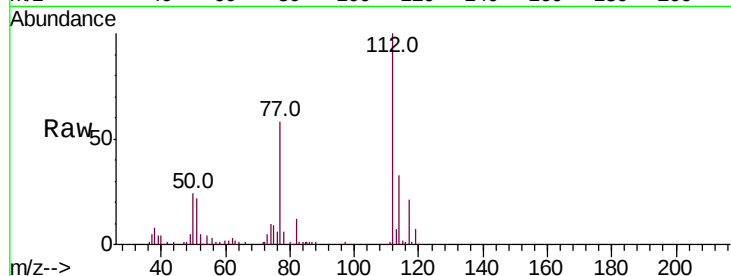




#65
Chlorobenzene
Concen: 21.916 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

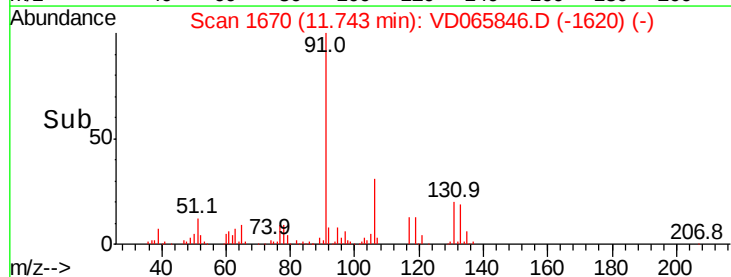
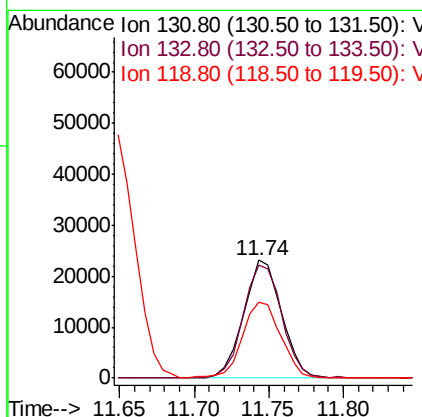
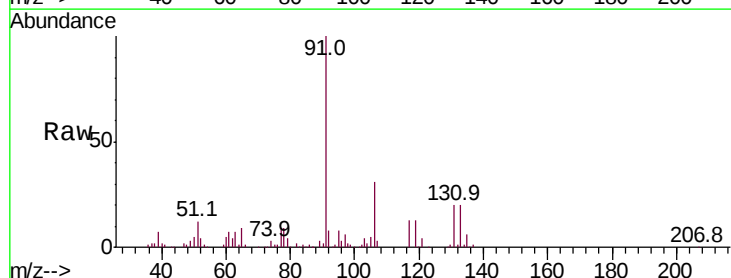
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

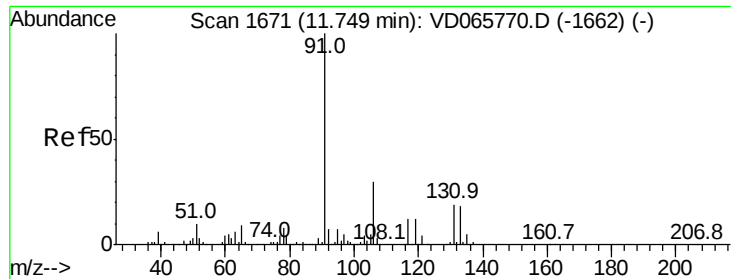
Tot Ion:112 Resp: 113512
Ion Ratio Lower Upper
112 100
114 33.3 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.090 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion:131 Resp: 40718
Ion Ratio Lower Upper
131 100
133 97.6 47.3 141.9
119 65.6 31.6 94.8





#67

Ethyl Benzene

Concen: 22.142 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

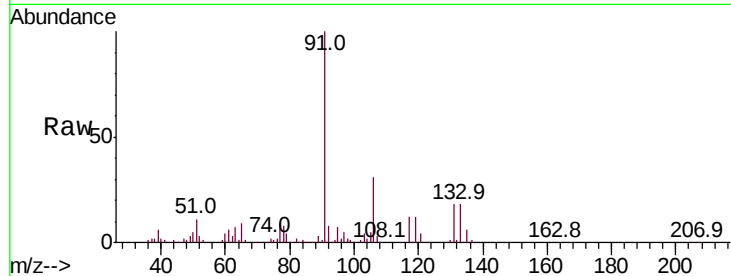
VD0622SBS01

Tot Ion: 91 Resp: 204880

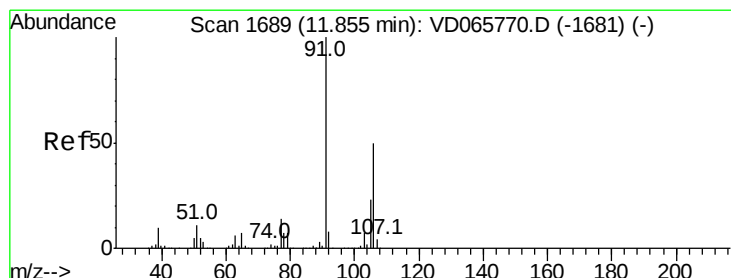
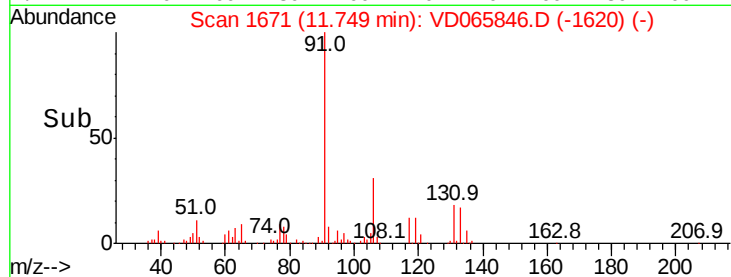
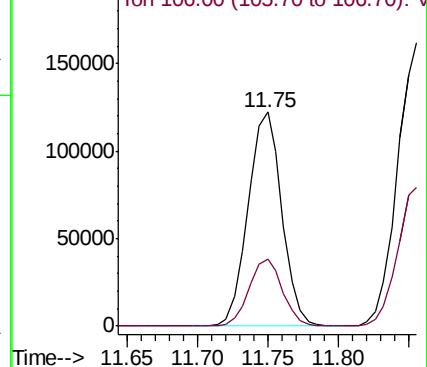
Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 44.205 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065846.D

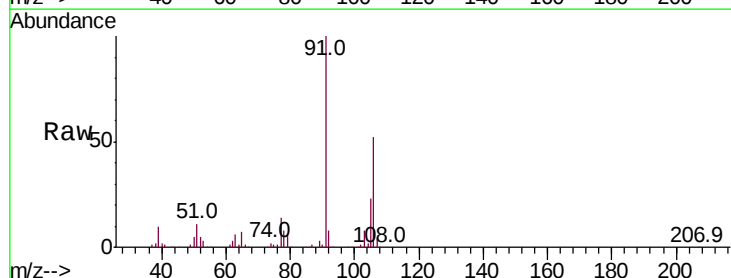
Acq: 22 Jun 2020 16:03

Tgt Ion: 106 Resp: 157548

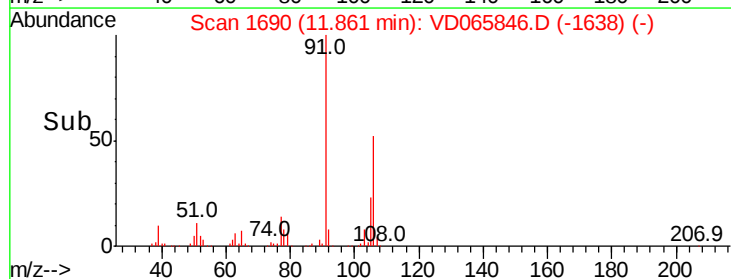
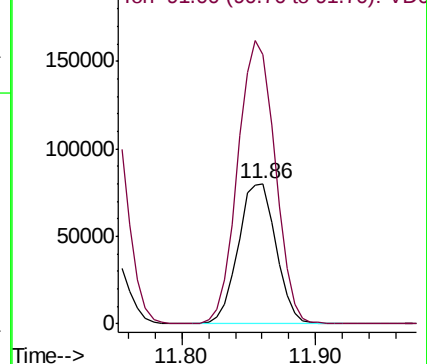
Ion Ratio Lower Upper

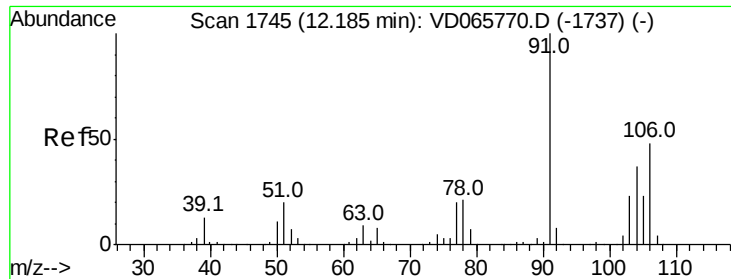
106 100

91 199.3 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

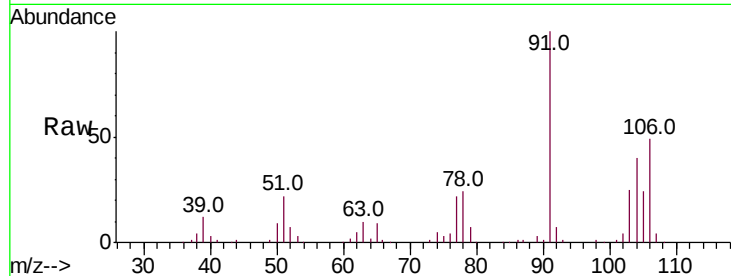




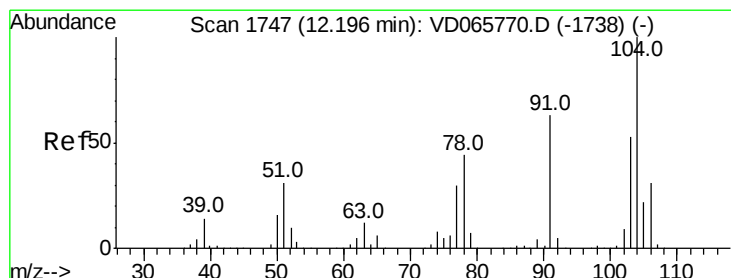
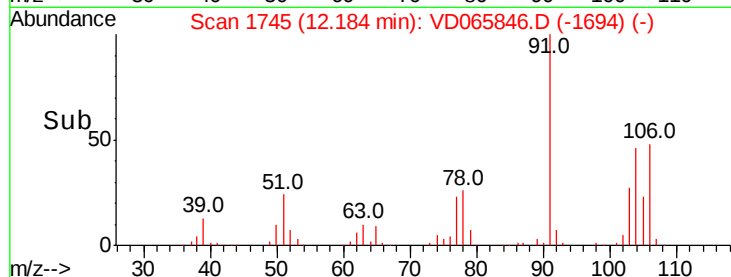
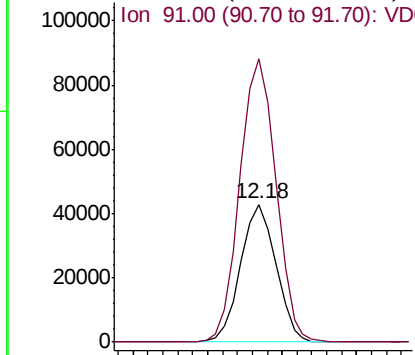
#69
o-Xylene
Concen: 22.024 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion:106 Resp: 70772
Ion Ratio Lower Upper
106 100
91 209.6 105.3 315.8

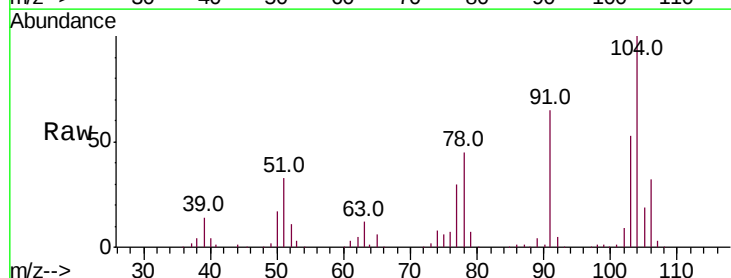


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

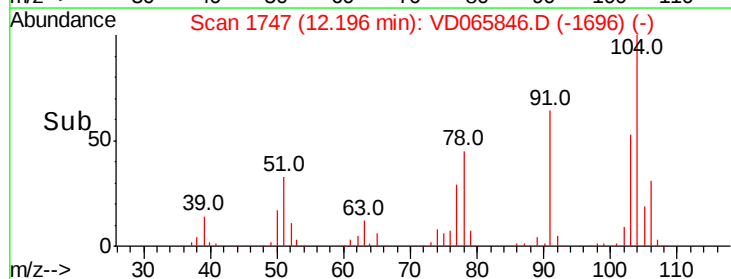
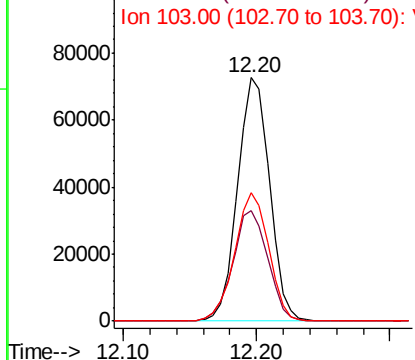


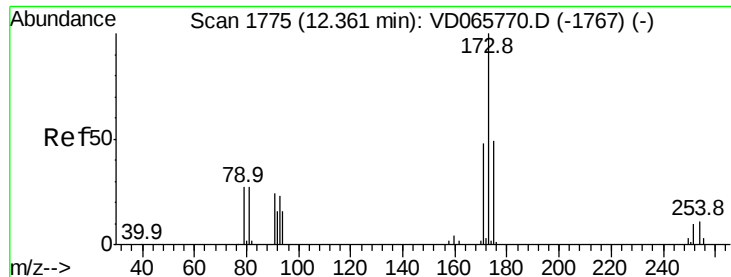
#70
Styrene
Concen: 21.624 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion:104 Resp: 120293
Ion Ratio Lower Upper
104 100
78 49.8 38.6 58.0
103 56.0 43.9 65.9



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





#71

Bromoform

Concen: 20.301 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

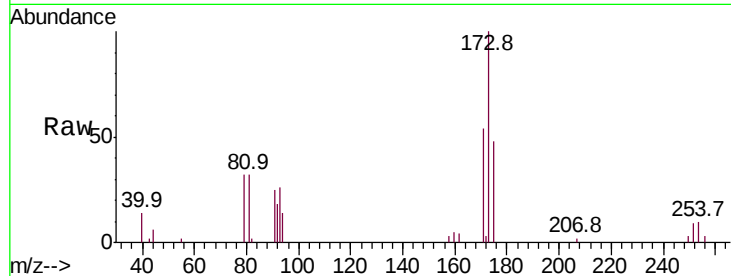
Tot Ion:173 Resp: 21584

Ion Ratio Lower Upper

173 100

175 46.5 24.8 74.4

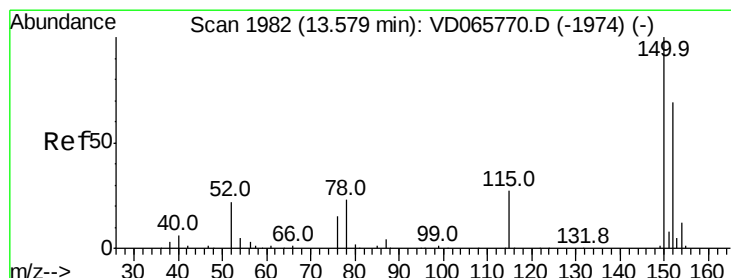
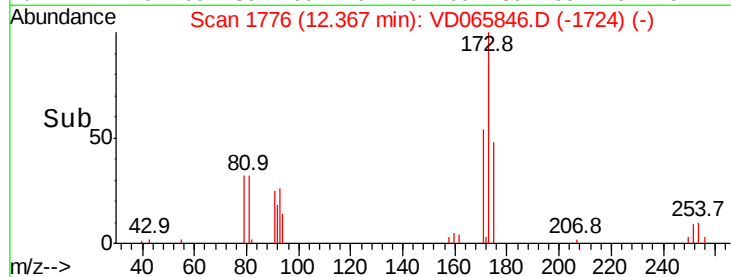
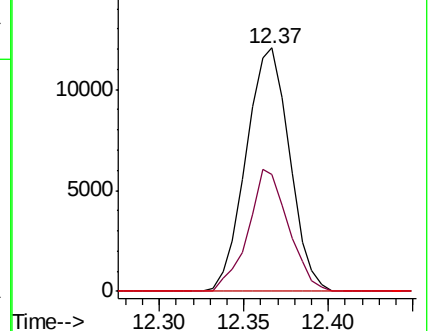
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

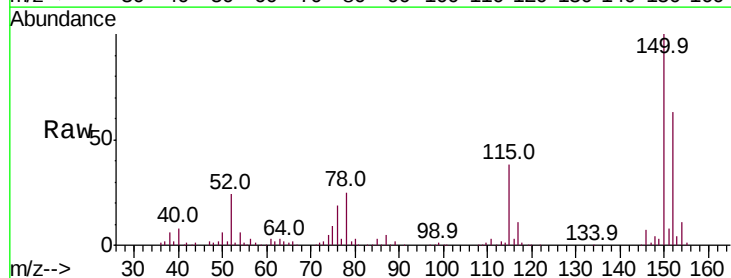
Tgt Ion:152 Resp: 131824

Ion Ratio Lower Upper

152 100

115 59.9 28.7 86.1

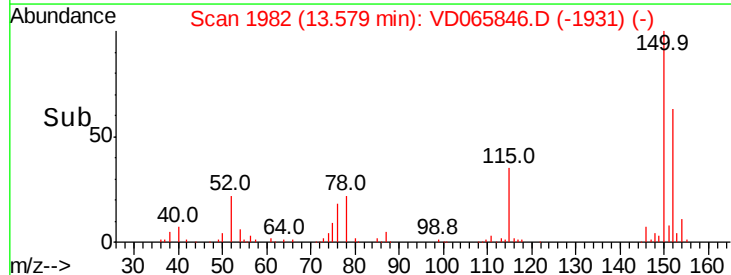
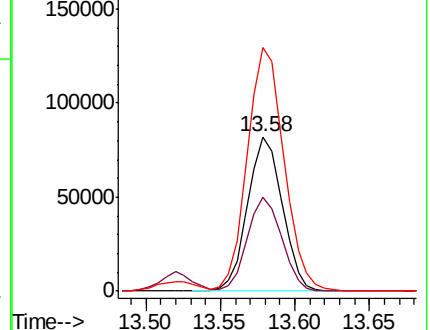
150 166.8 0.0 348.0

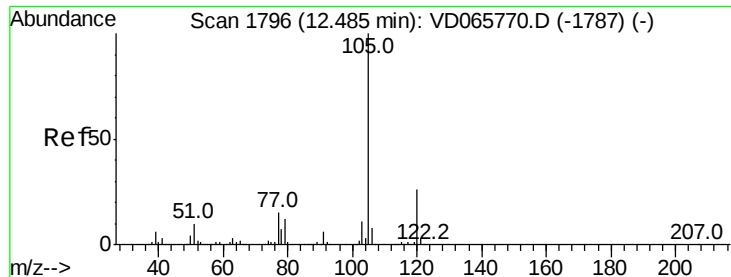


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.265 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

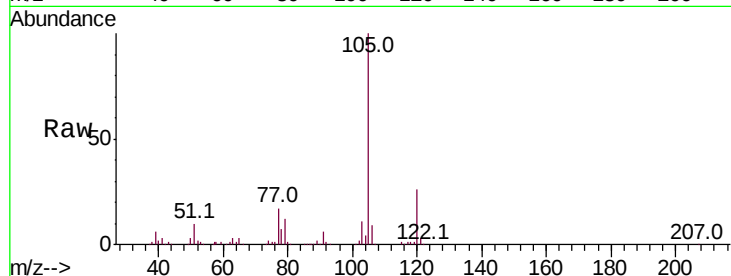
VD0622SBS01

Tot Ion:105 Resp: 196787

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

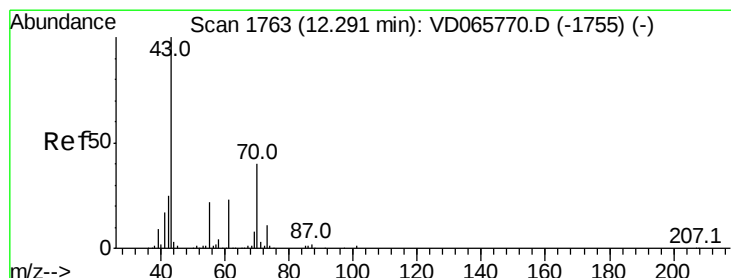
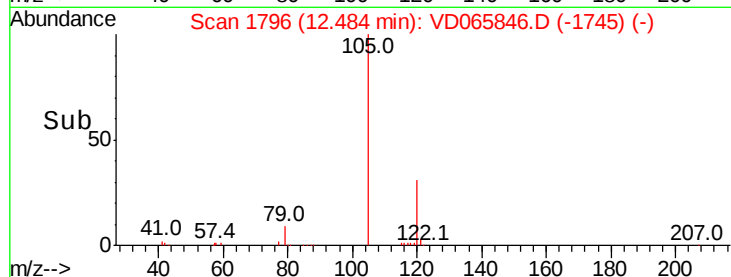
12.48

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 20.781 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Tgt Ion: 43 Resp: 40863

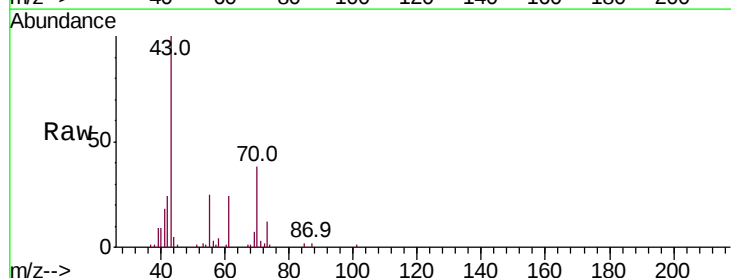
Ion Ratio Lower Upper

43 100

70 39.2 32.3 48.5

55 25.4 19.0 28.4

61 22.4 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

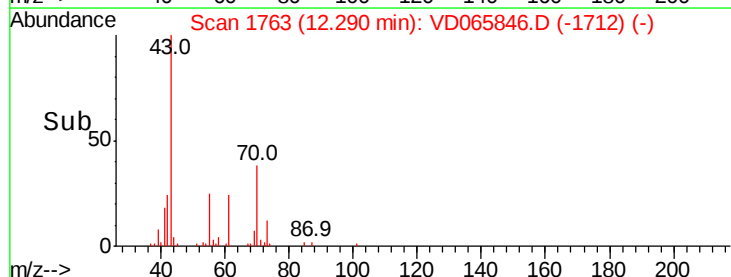
30000

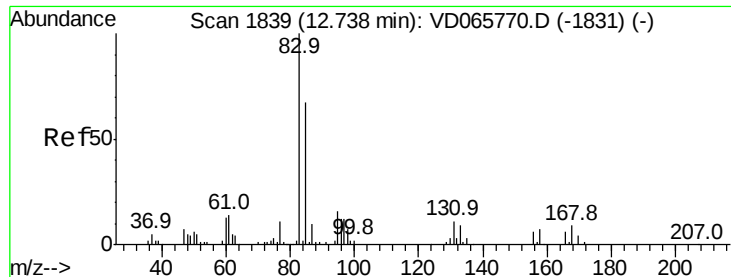
20000

10000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 21.701 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

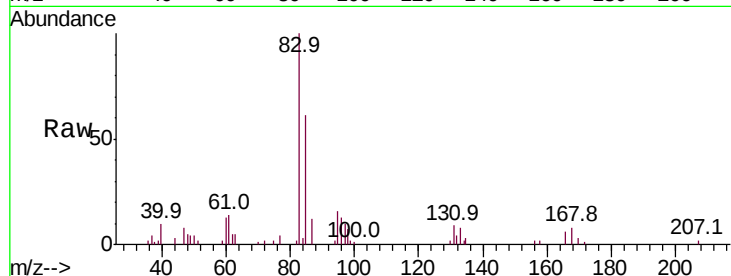
Tot Ion: 83 Resp: 32392

Ion Ratio Lower Upper

83 100

131 9.3 5.5 16.4

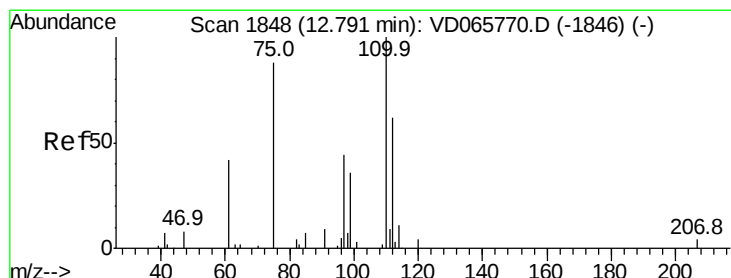
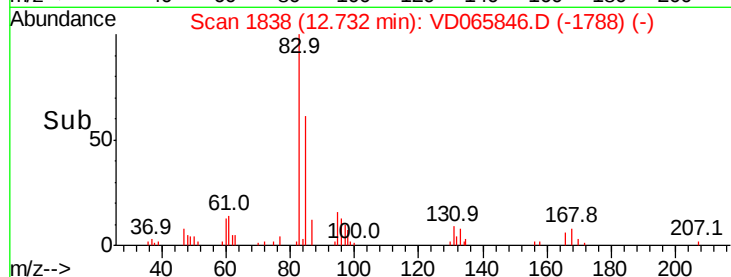
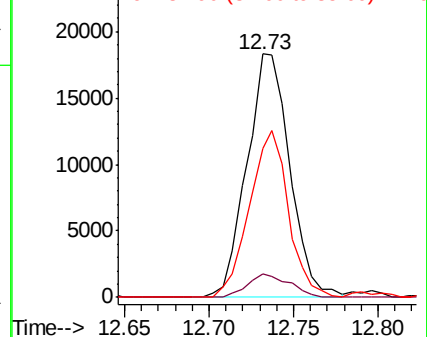
85 62.3 32.5 97.5



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: 41.457 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065846.D

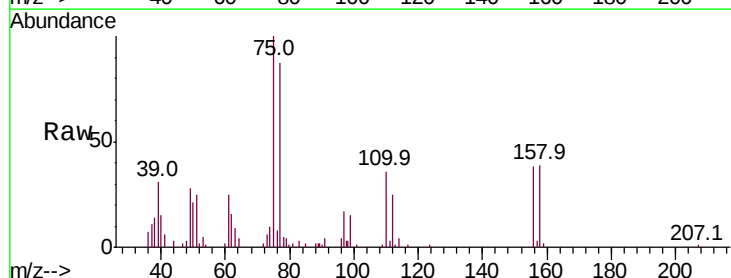
Acq: 22 Jun 2020 16:03

Tgt Ion: 75 Resp: 42502

Ion Ratio Lower Upper

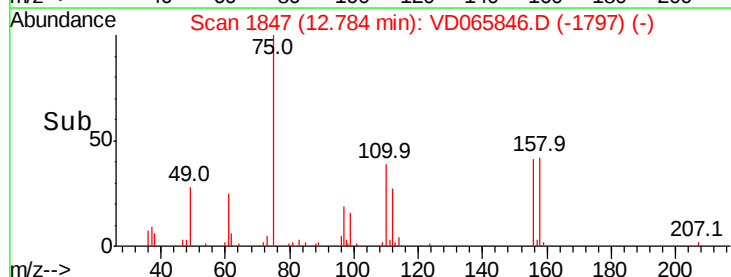
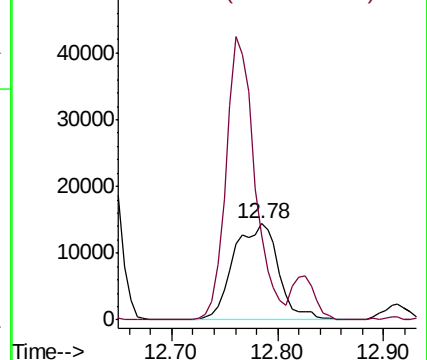
75 100

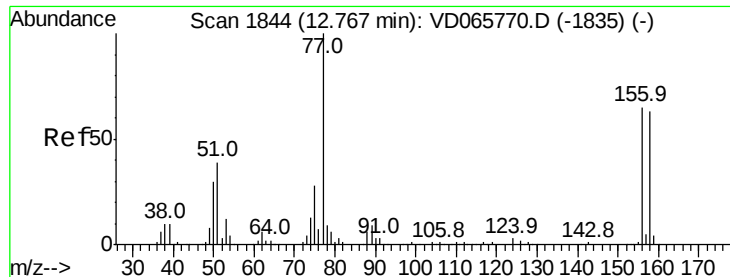
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.342 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

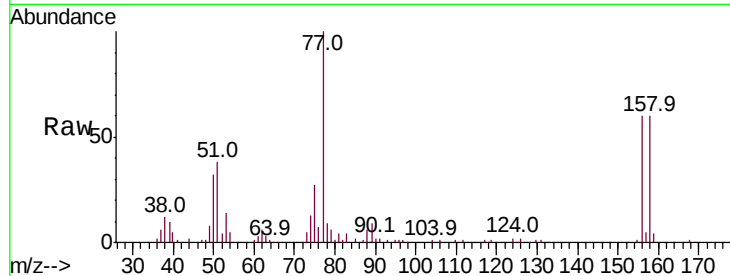
Tot Ion:156 Resp: 44629

Ion Ratio Lower Upper

156 100

77 180.6 87.3 261.8

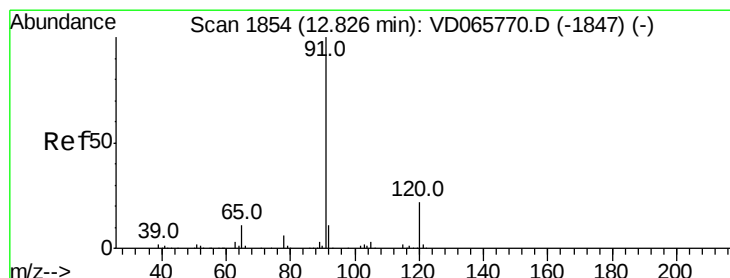
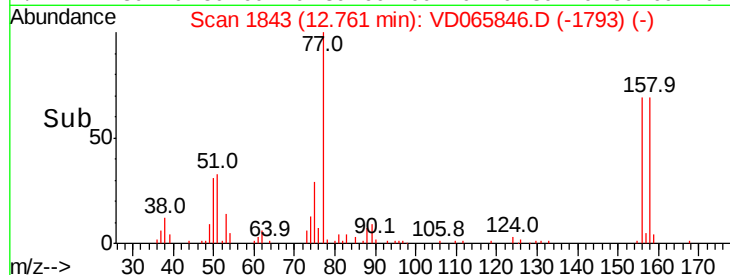
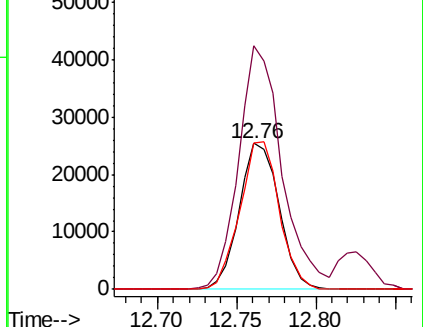
158 99.3 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.464 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065846.D

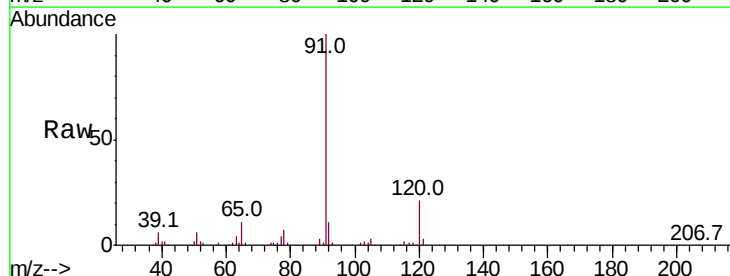
Acq: 22 Jun 2020 16:03

Tgt Ion: 91 Resp: 238988

Ion Ratio Lower Upper

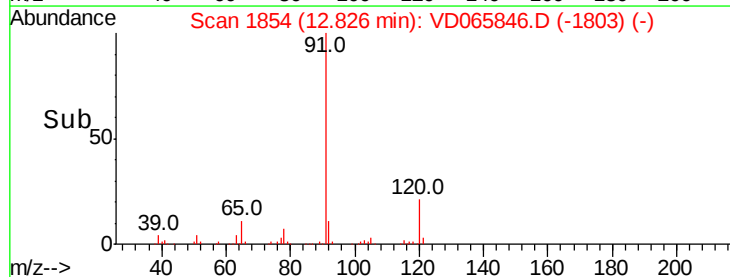
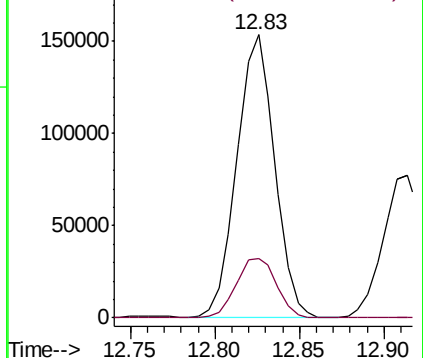
91 100

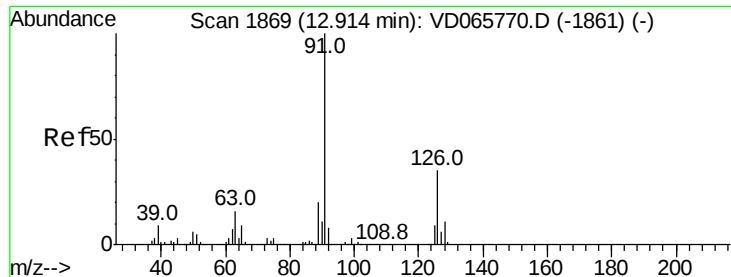
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

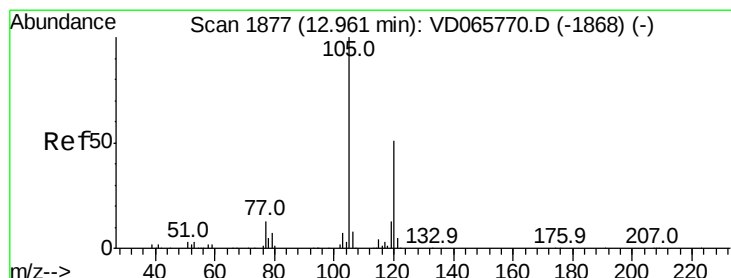
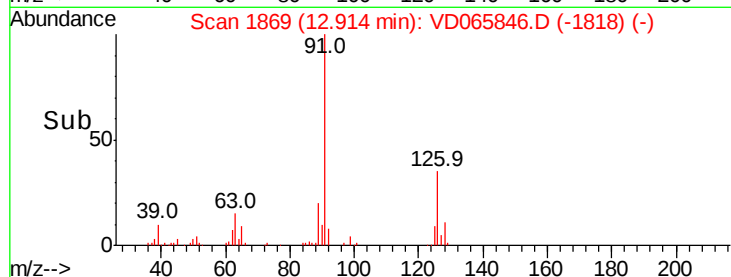
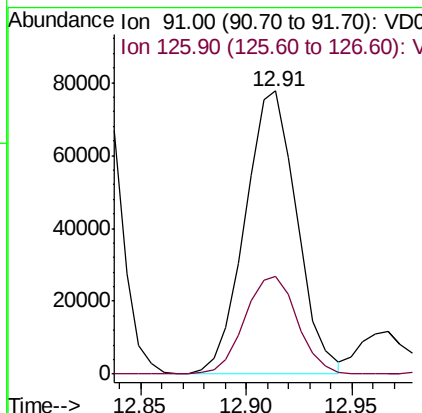
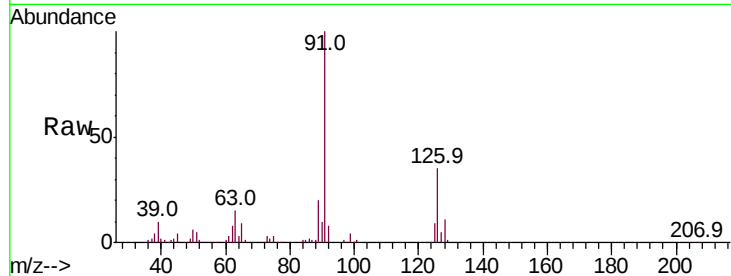




#79
 2-Chlorotoluene
 Concen: 22.669 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

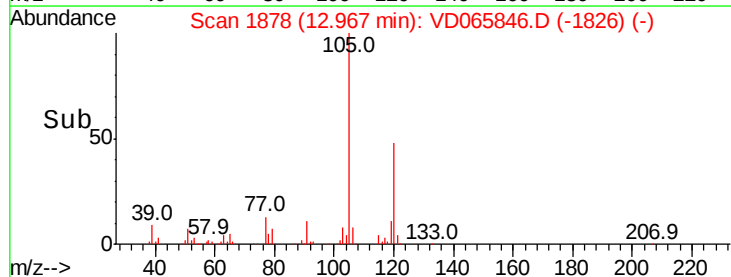
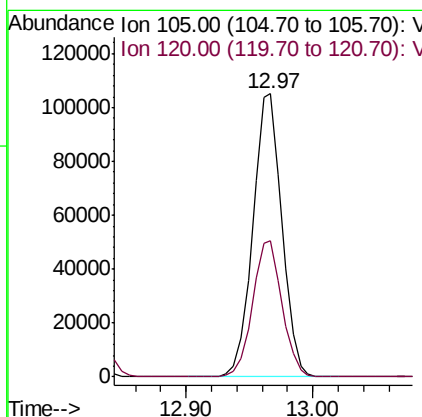
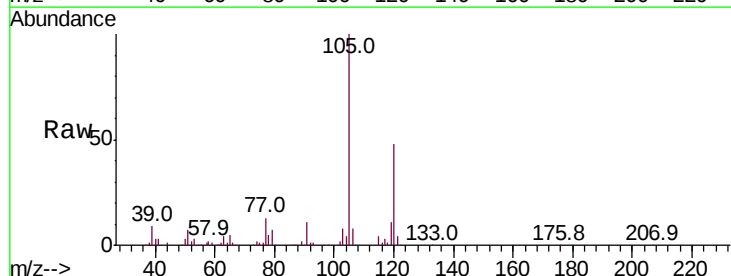
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

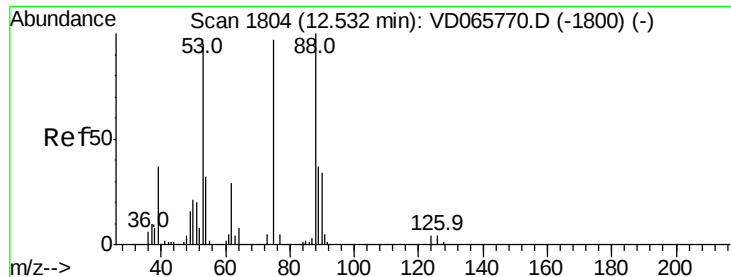
Tot Ion: 91 Resp: 132301
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 22.765 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion:105 Resp: 167433
 Ion Ratio Lower Upper
 105 100
 120 48.6 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.552 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

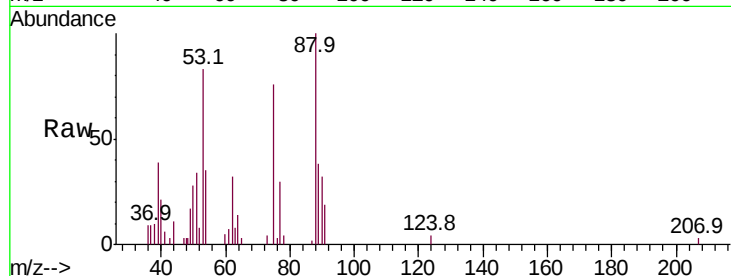
Tot Ion: 75 Resp: 9752

Ion Ratio Lower Upper

75 100

53 99.8 82.6 123.8

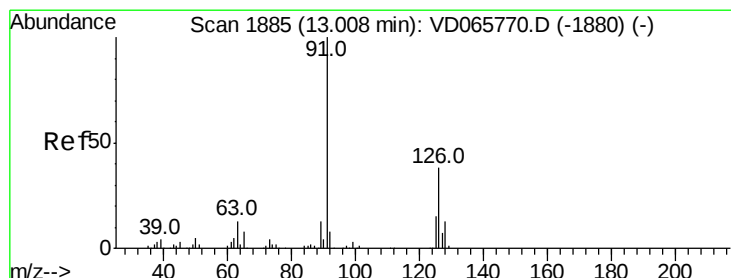
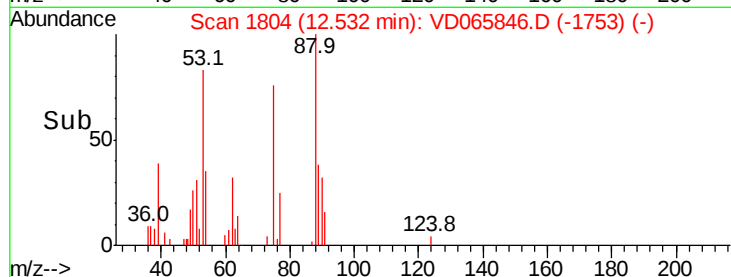
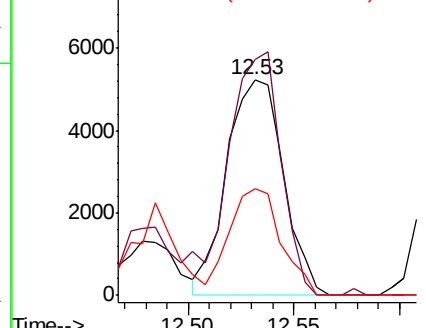
89 45.0 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 22.582 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065846.D

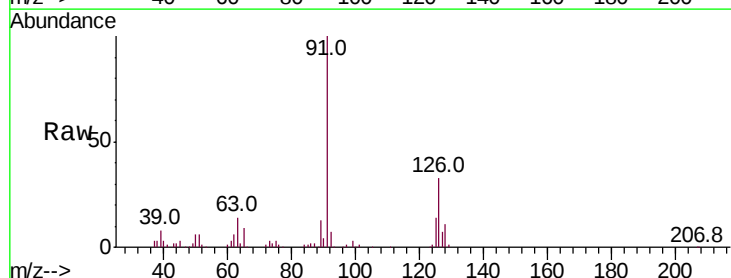
Acq: 22 Jun 2020 16:03

Tgt Ion: 91 Resp: 141464

Ion Ratio Lower Upper

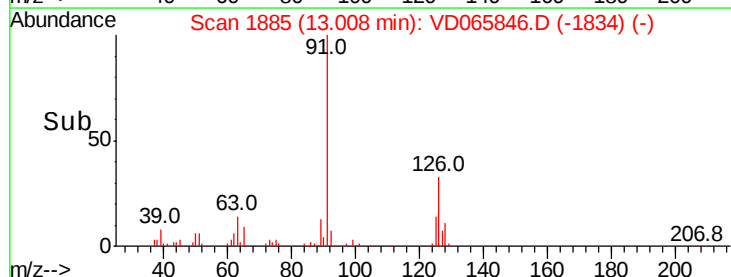
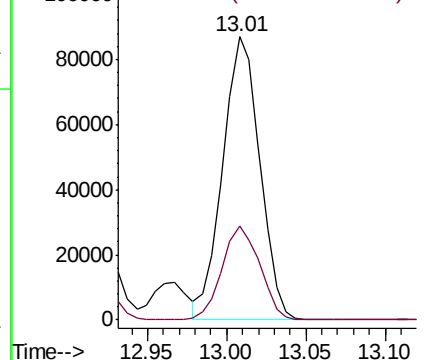
91 100

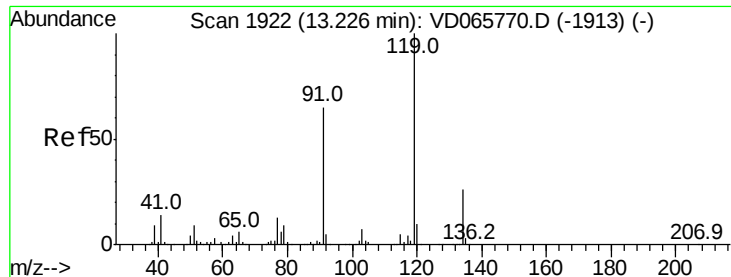
126 33.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

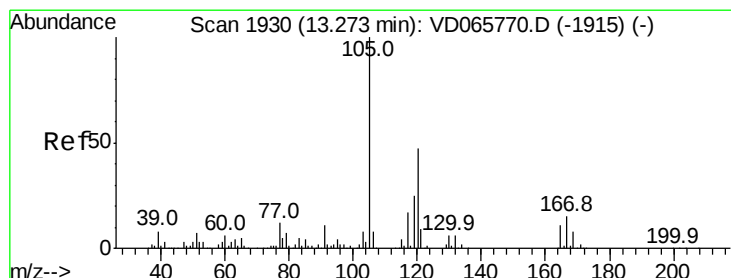
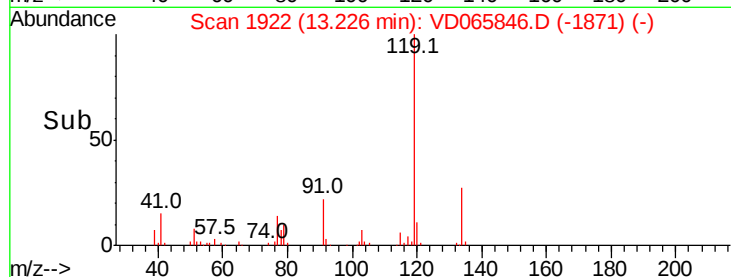
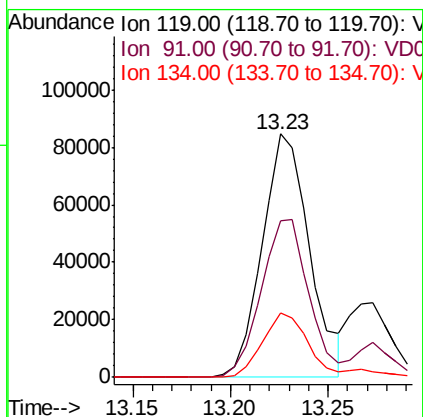
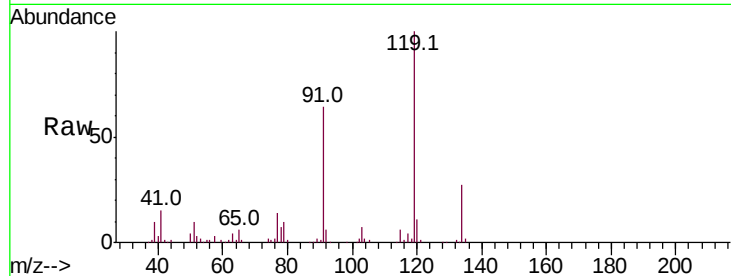




#83
tert-Butylbenzene
Concen: 22.318 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

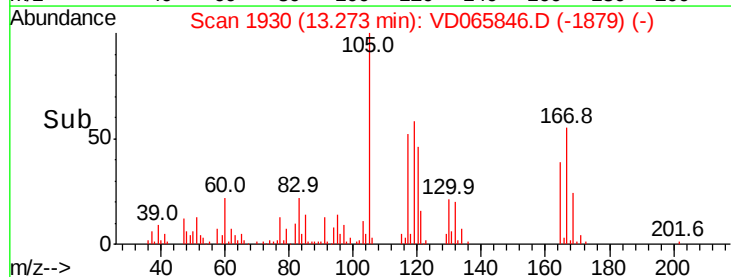
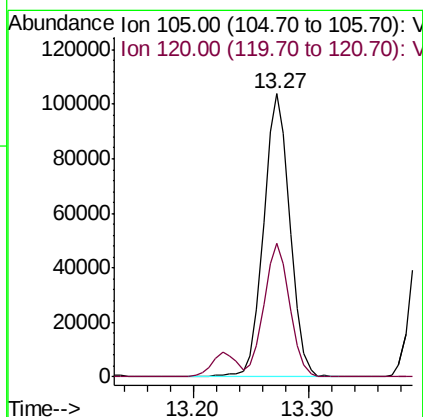
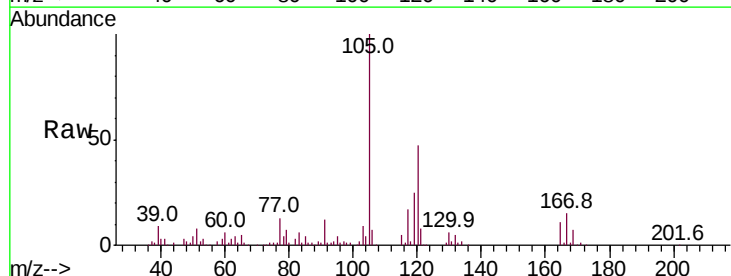
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

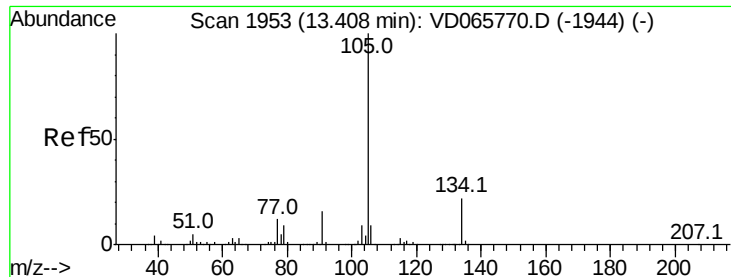
Tot Ion:119 Resp: 142432
Ion Ratio Lower Upper
119 100
91 65.1 32.0 96.0
134 27.5 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 22.426 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion:105 Resp: 165091
Ion Ratio Lower Upper
105 100
120 46.1 23.3 69.8





#85

sec-Butylbenzene

Concen: 22.677 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

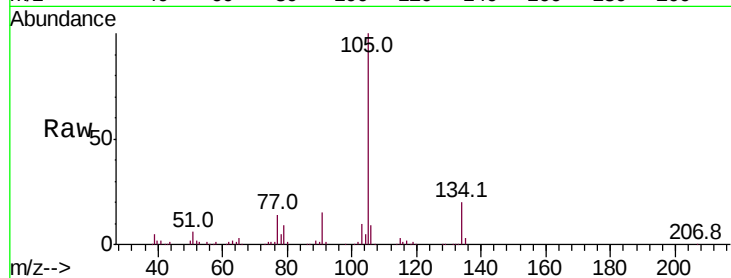
VD0622SBS01

Tot Ion:105 Resp: 201403

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

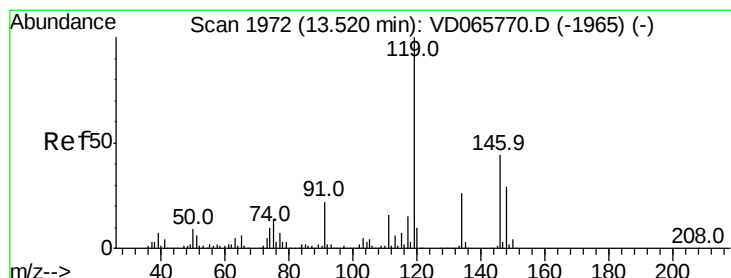
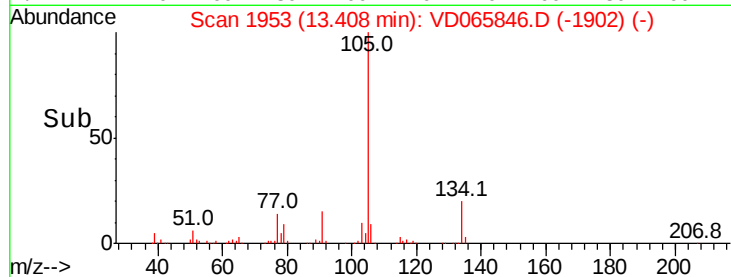
13.41

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.538 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

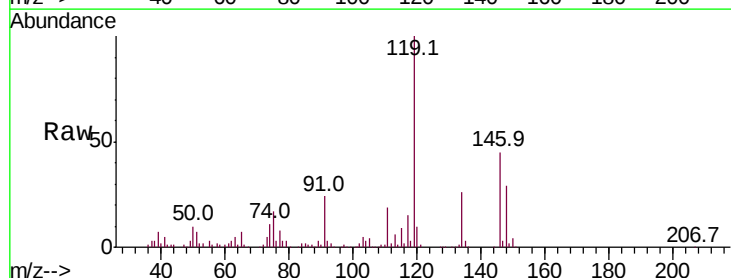
Tgt Ion:119 Resp: 183471

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 23.4 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

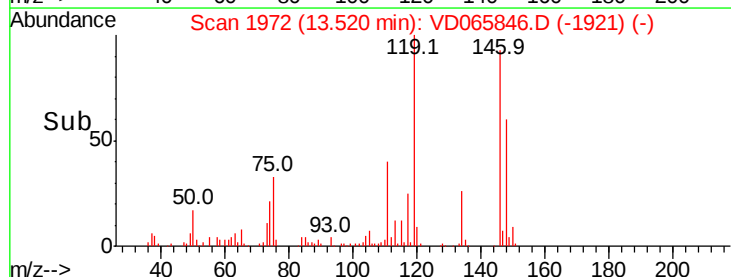
150000

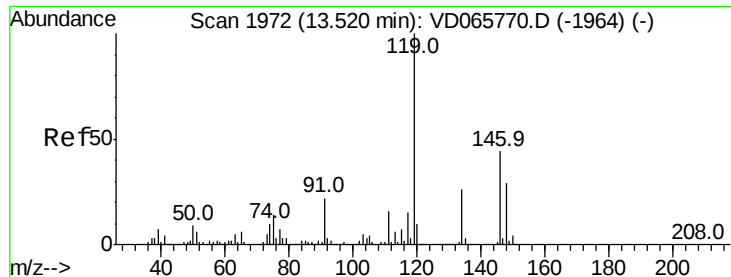
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.958 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

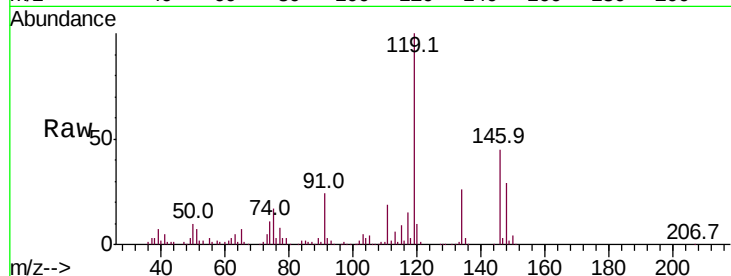
Tot Ion:146 Resp: 90536

Ion Ratio Lower Upper

146 100

111 40.1 19.2 57.6

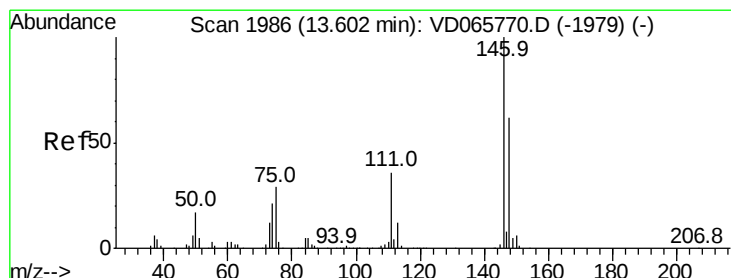
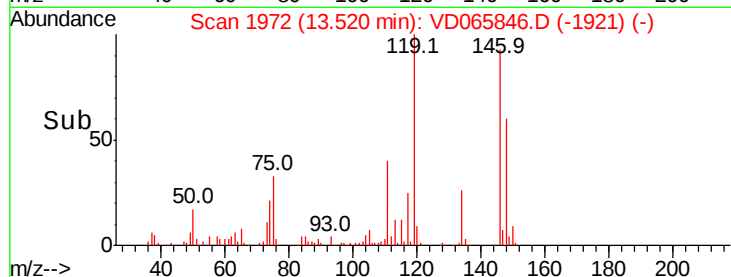
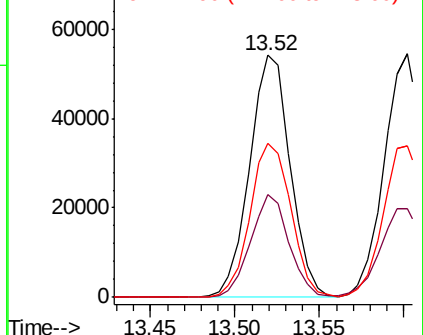
148 64.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.014 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

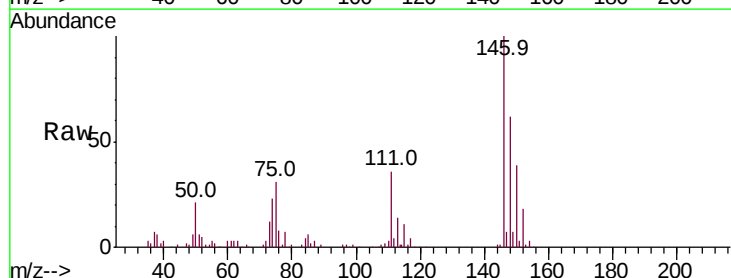
Tgt Ion:146 Resp: 90290

Ion Ratio Lower Upper

146 100

111 39.6 18.9 56.7

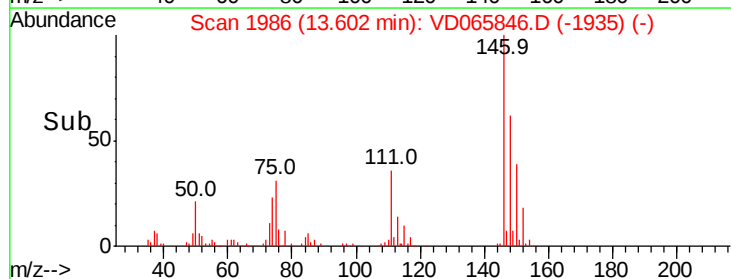
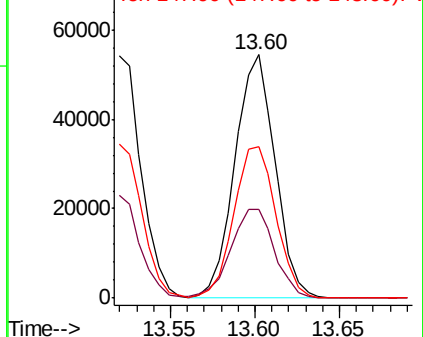
148 64.7 31.6 94.7

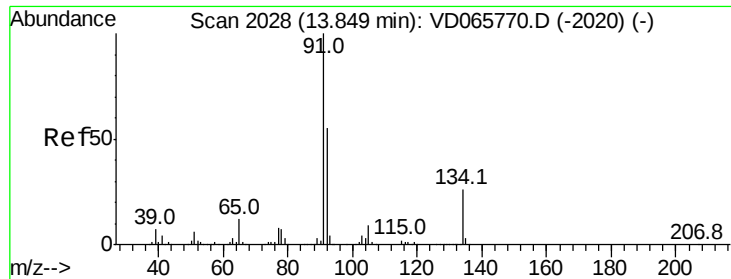


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

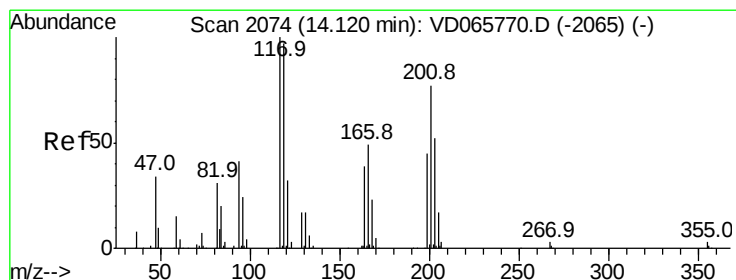
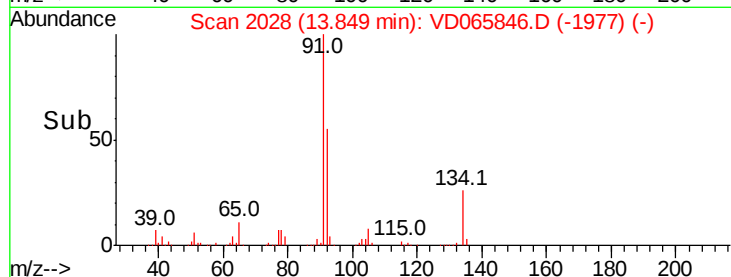
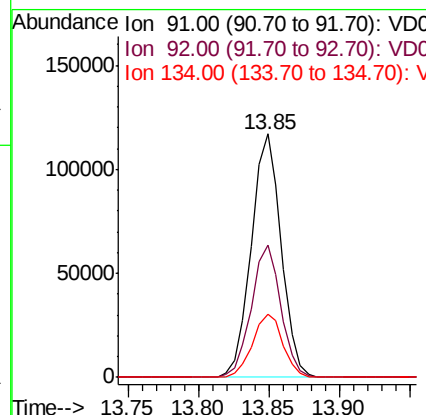
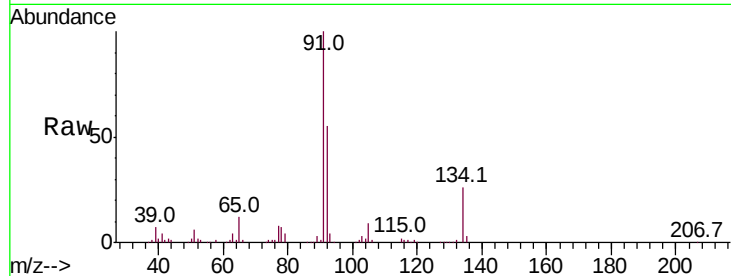




#89
n-Butylbenzene
Concen: 22.392 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

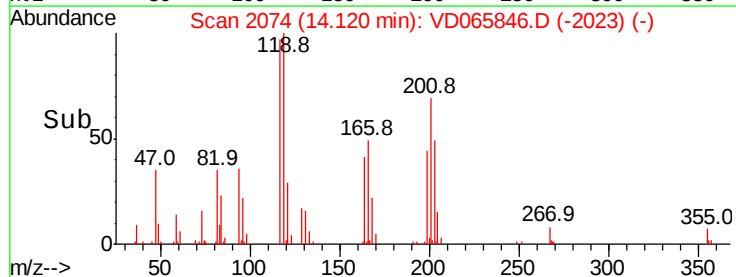
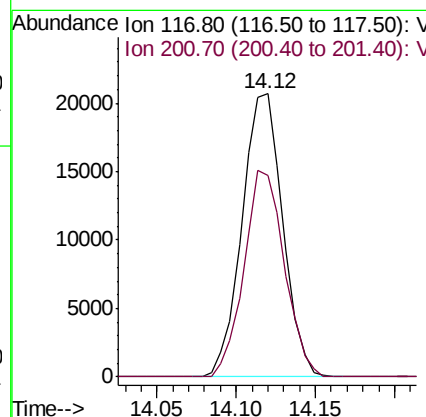
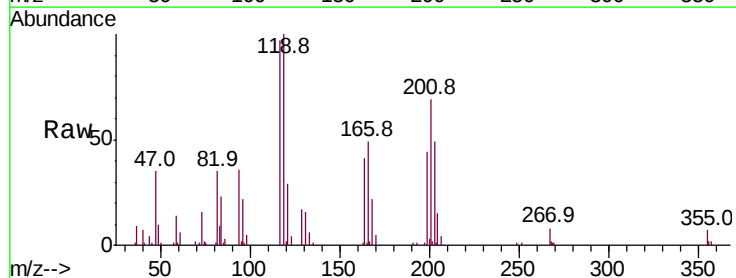
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

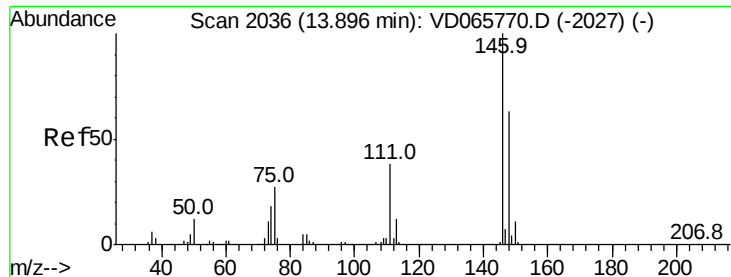
Tot Ion: 91 Resp: 173843
Ion Ratio Lower Upper
91 100
92 53.8 27.0 81.0
134 26.4 13.0 39.0



#90
Hexachloroethane
Concen: 22.599 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065846.D
Acq: 22 Jun 2020 16:03

Tgt Ion: 117 Resp: 36823
Ion Ratio Lower Upper
117 100
201 72.3 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 21.609 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

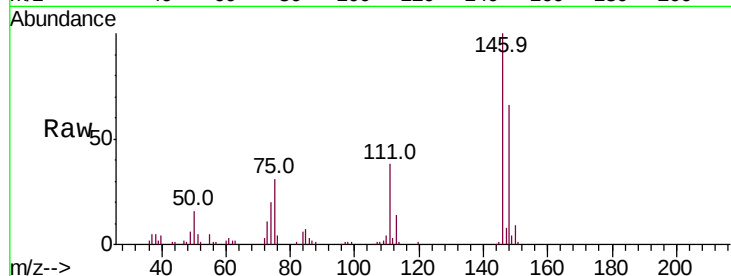
Tot Ion:146 Resp: 76680

Ion Ratio Lower Upper

146 100

111 39.9 19.8 59.4

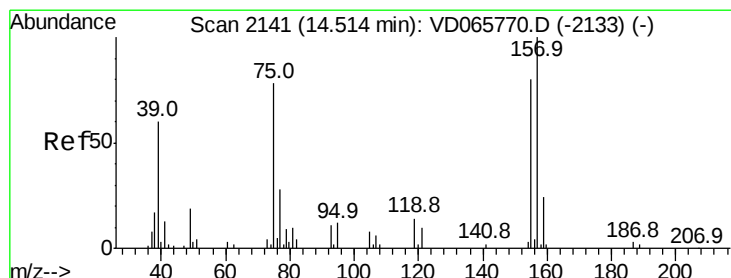
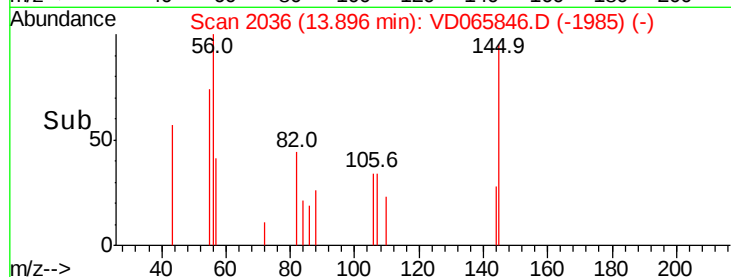
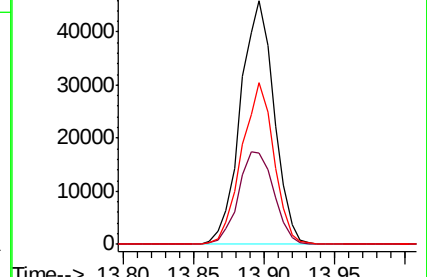
148 63.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.584 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

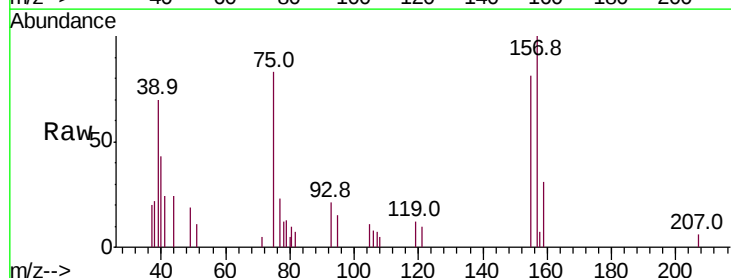
Tgt Ion: 75 Resp: 4865

Ion Ratio Lower Upper

75 100

155 86.3 46.3 138.9

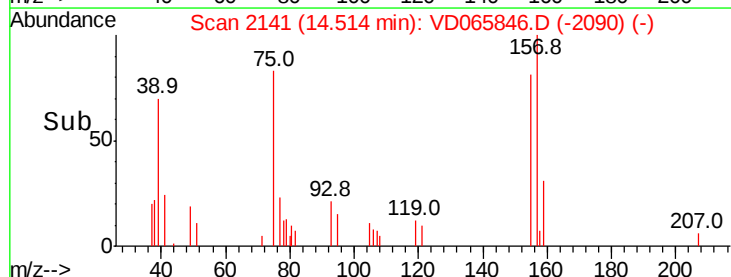
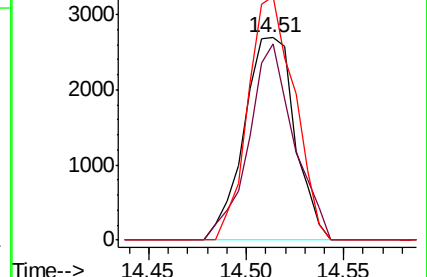
157 109.5 58.1 174.3

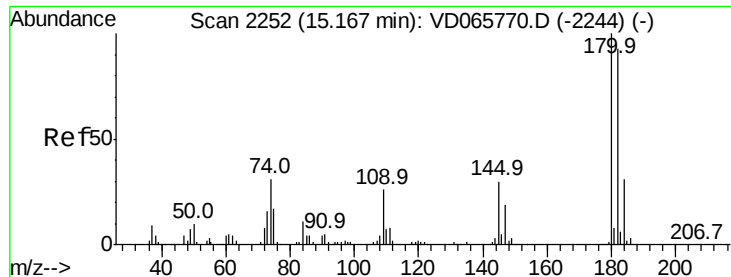


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

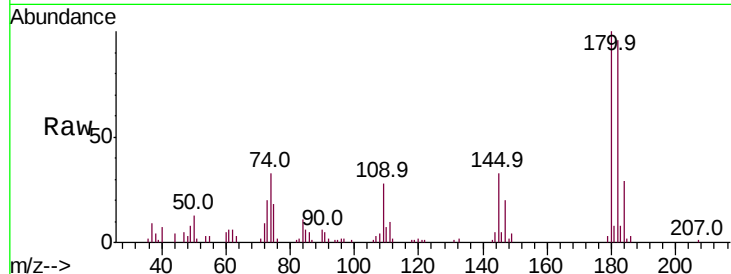




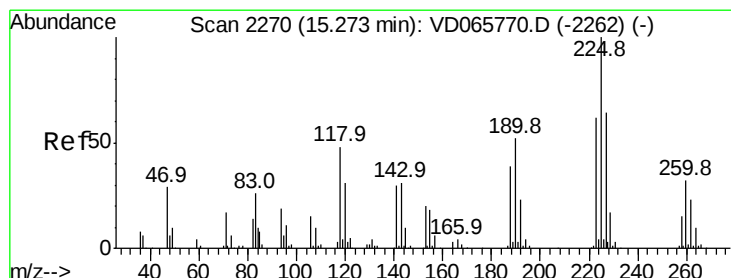
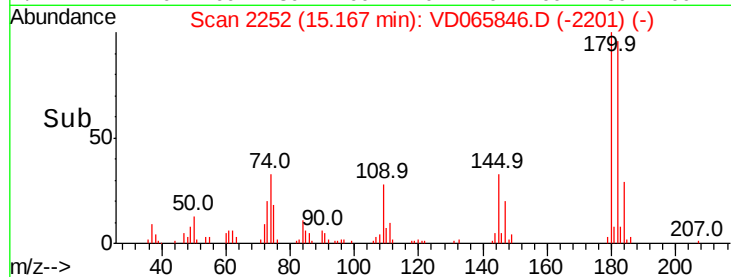
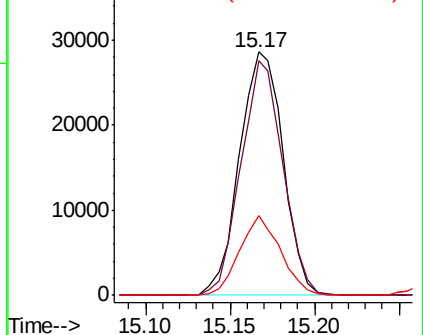
#93
 1,2,4-Trichlorobenzene
 Concen: 21.247 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion:180 Resp: 51264
 Ion Ratio Lower Upper
 180 100
 182 92.9 48.0 144.2
 145 30.6 14.9 44.9

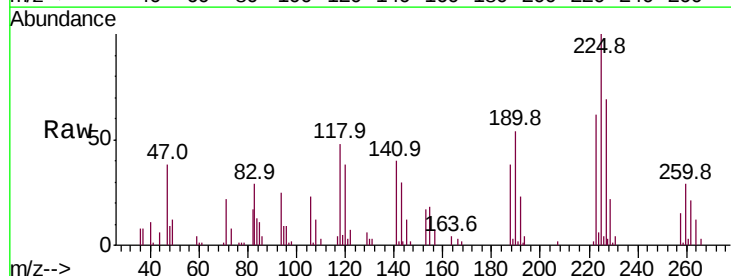


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

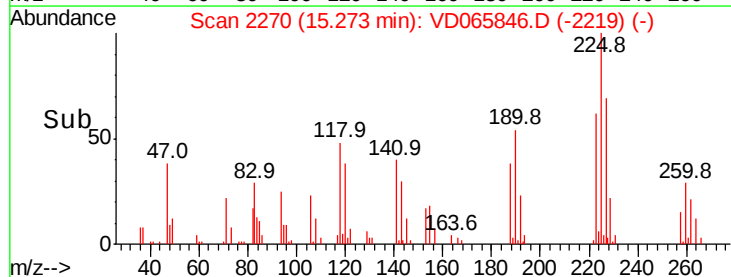
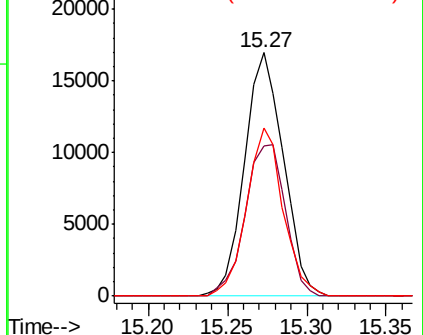


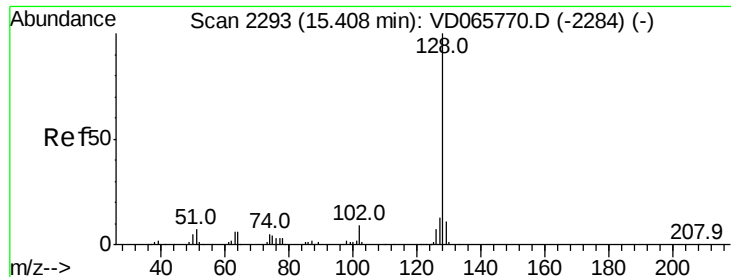
#94
 Hexachlorobutadiene
 Concen: 19.847 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065846.D
 Acq: 22 Jun 2020 16:03

Tgt Ion:225 Resp: 28948
 Ion Ratio Lower Upper
 225 100
 223 64.4 30.9 92.7
 227 65.1 31.9 95.7



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





#95

Naphthalene

Concen: 19.798 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

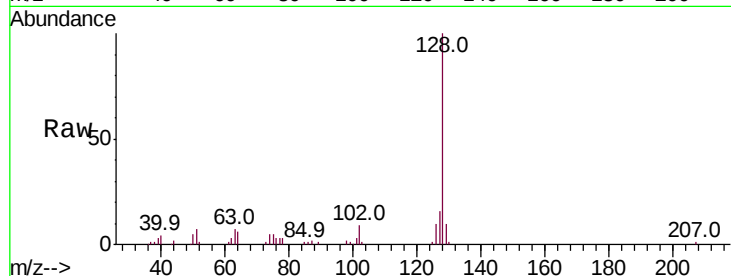
Tot Ion:128 Resp: 80910

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

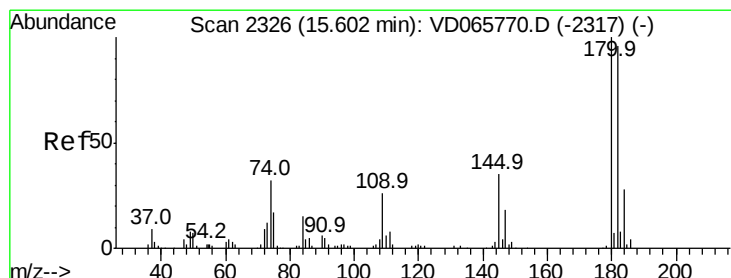
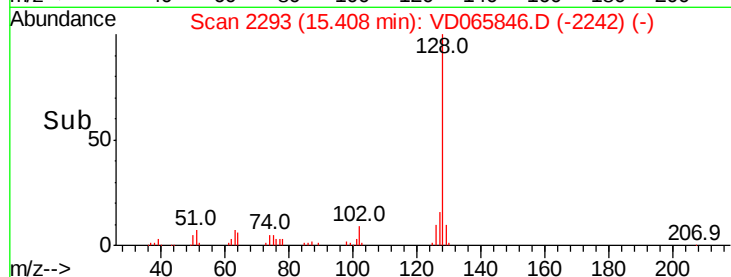
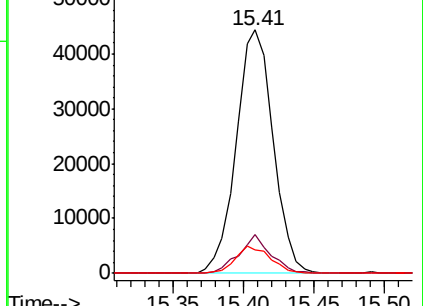
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.031 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065846.D

Acq: 22 Jun 2020 16:03

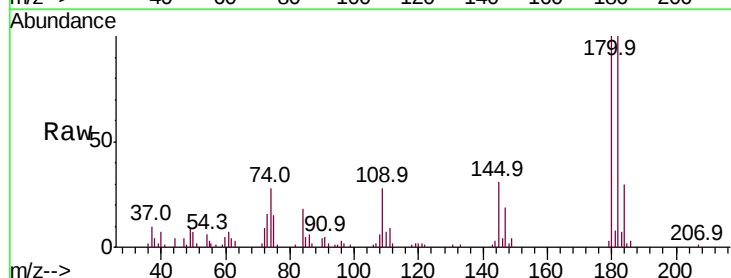
Tgt Ion:180 Resp: 41625

Ion Ratio Lower Upper

180 100

182 96.5 47.0 141.2

145 32.8 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

