

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066017.D
 Acq On : 23 Jul 2020 11:56
 Operator : VA/SY
 Sample : VD0723SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Quant Time: Jul 24 03:00:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	489048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	458460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239625	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	149090	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
35) Dibromofluoromethane	7.91	113	157380	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	10.34	98	603922	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.64	95	211138	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	61810	24.185	ug/l	94
3) Chloromethane	2.21	50	47407	22.730	ug/l	96
4) Vinyl Chloride	2.35	62	45511	22.914	ug/l	99
5) Bromomethane	2.76	94	31767	19.703	ug/l	96
6) Chloroethane	2.91	64	27948	23.572	ug/l #	88
7) Trichlorofluoromethane	3.27	101	109821	22.732	ug/l	100
8) Diethyl Ether	3.71	74	28740	21.522	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	63963	21.927	ug/l	96
10) Methyl Iodide	4.30	142	66313	27.350	ug/l	95
11) Tert butyl alcohol	5.20	59	10608	38.591	ug/l #	75
12) 1,1-Dichloroethene	4.07	96	62601	22.482	ug/l	96
13) Acrolein	3.92	56	20825	90.201	ug/l	100
14) Allyl chloride	4.71	41	91005	20.908	ug/l	94
15) Acrylonitrile	5.41	53	59483	104.266	ug/l	97
16) Acetone	4.15	43	56064	101.076	ug/l	94
17) Carbon Disulfide	4.40	76	193643	21.440	ug/l	99
18) Methyl Acetate	4.71	43	26996	20.922	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	125512	21.939	ug/l	97
20) Methylene Chloride	4.97	84	76142	23.239	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	69573	22.108	ug/l	97
22) Diisopropyl ether	6.36	45	180863	21.872	ug/l	97
23) Vinyl Acetate	6.30	43	507933	108.915	ug/l	97
24) 1,1-Dichloroethane	6.26	63	111044	22.163	ug/l	99
25) 2-Butanone	7.21	43	74062	100.628	ug/l	94
26) 2,2-Dichloropropane	7.20	77	104089	23.102	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	74392	22.327	ug/l	98
28) Bromochloromethane	7.55	49	40443	19.018	ug/l	90
29) Tetrahydrofuran	7.56	42	47236	104.017	ug/l	99
30) Chloroform	7.71	83	118336	22.579	ug/l	99
31) Cyclohexane	7.98	56	105914	21.487	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	112357	23.176	ug/l	100
36) 1,1-Dichloropropene	8.11	75	94980	22.756	ug/l	96
37) Ethyl Acetate	7.29	43	33576	21.064	ug/l	98
38) Carbon Tetrachloride	8.09	117	101313	22.371	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	113928	22.540	ug/l	99
40) Benzene	8.35	78	258020	22.097	ug/l	95
41) Methacrylonitrile	7.52	41	14799	16.207	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	71980	22.496	ug/l	100
43) Isopropyl Acetate	8.45	43	65635	21.082	ug/l	99
44) Trichloroethene	9.11	130	80273	22.717	ug/l	90
45) 1,2-Dichloropropane	9.39	63	62880	22.234	ug/l	100
46) Dibromomethane	9.47	93	33482	21.993	ug/l	96
47) Bromodichloromethane	9.66	83	89785	22.304	ug/l	98
48) Methyl methacrylate	9.46	41	33591	21.390	ug/l	98
49) 1,4-Dioxane	9.47	88	7676	435.196	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	169378	107.978	ug/l	99
52) Toluene	10.41	92	179216	23.535	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	85951	22.919	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	101027	22.223	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	47925	22.196	ug/l	93
56) Ethyl methacrylate	10.66	69	54882	21.862	ug/l	98
57) 1,3-Dichloropropane	10.95	76	80057	22.397	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	133742	111.525	ug/l	99
59) 2-Hexanone	10.99	43	115527	106.277	ug/l	96
60) Dibromochloromethane	11.14	129	66701	22.912	ug/l	98
61) 1,2-Dibromoethane	11.25	107	47940	23.028	ug/l	98
64) Tetrachloroethene	10.88	164	70296	22.591	ug/l	93
65) Chlorobenzene	11.67	112	188292	22.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	72745	23.470	ug/l	99
67) Ethyl Benzene	11.75	91	326431	22.597	ug/l	98
68) m/p-Xylenes	11.86	106	260108	46.847	ug/l	99
69) o-Xylene	12.18	106	119311	23.626	ug/l	97
70) Styrene	12.20	104	204575	23.577	ug/l	99
71) Bromoform	12.37	173	41547	22.884	ug/l #	97
73) Isopropylbenzene	12.48	105	323413	22.305	ug/l	99
74) N-amyl acetate	12.29	43	64412	21.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	52124	21.752	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	65494	36.300	ug/l #	100
77) Bromobenzene	12.77	156	84075	22.689	ug/l	97
78) n-propylbenzene	12.83	91	384675	22.863	ug/l	100
79) 2-Chlorotoluene	12.91	91	217141	22.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	276697	23.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17366	22.086	ug/l	93
82) 4-Chlorotoluene	13.01	91	229565	22.626	ug/l	98
83) tert-Butylbenzene	13.23	119	242841	23.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	269362	22.919	ug/l	98
85) sec-Butylbenzene	13.41	105	325691	22.683	ug/l	98
86) p-Isopropyltoluene	13.53	119	318770	24.437	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	159973	23.252	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	155936	22.420	ug/l	98
89) n-Butylbenzene	13.85	91	274349	22.619	ug/l	99
90) Hexachloroethane	14.12	117	58167	21.540	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	134600	22.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8508	21.664	ug/l	98

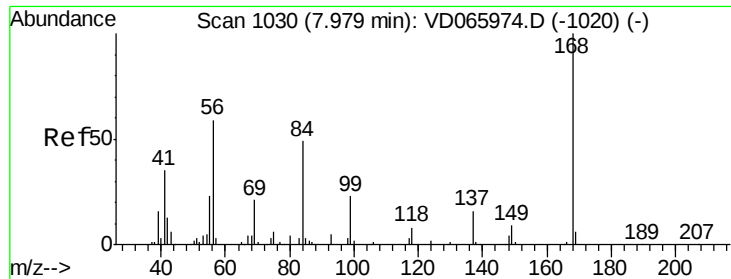
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072320\
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	98129	22.931	ug/l	99
94) Hexachlorobutadiene	15.27	225	59367	22.440	ug/l	98
95) Naphthalene	15.41	128	147822	21.594	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	84699	22.768	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

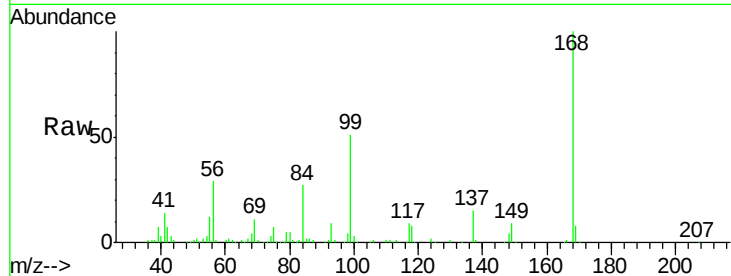
VD0723SBS01

Tot Ion:168 Resp: 336771

Ion Ratio Lower Upper

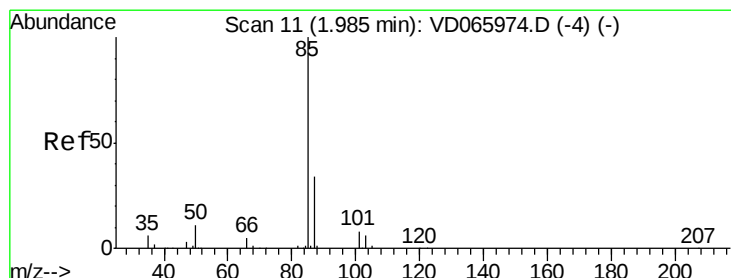
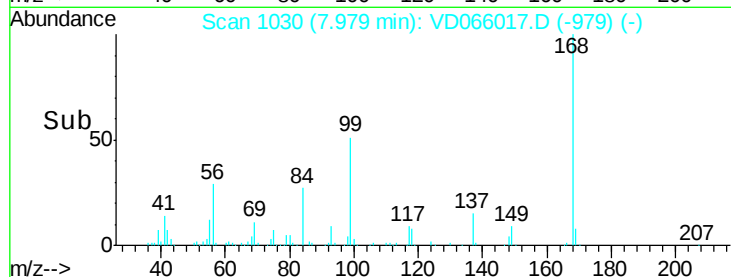
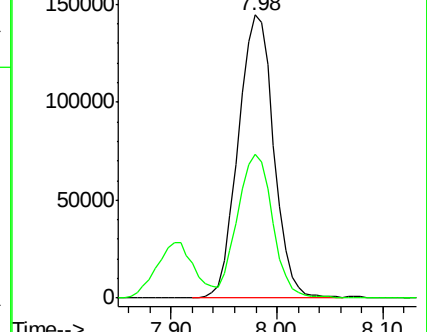
168 100

99 50.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 24.185 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066017.D

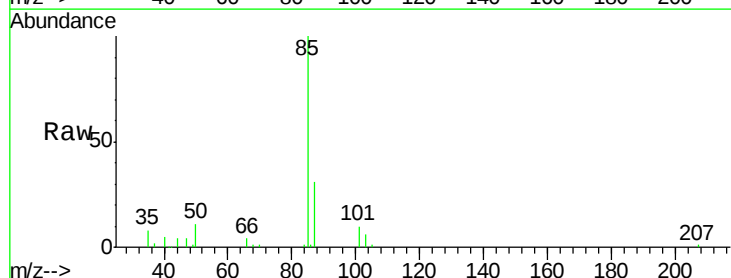
Acq: 23 Jul 2020 11:56

Tgt Ion: 85 Resp: 61810

Ion Ratio Lower Upper

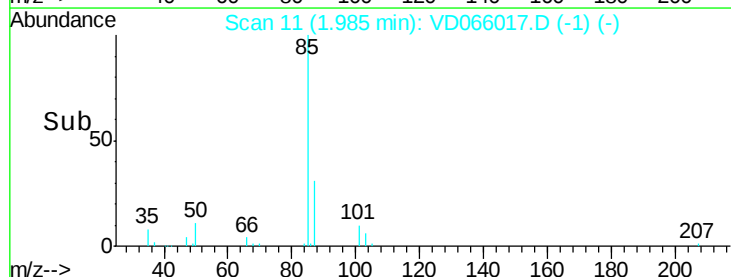
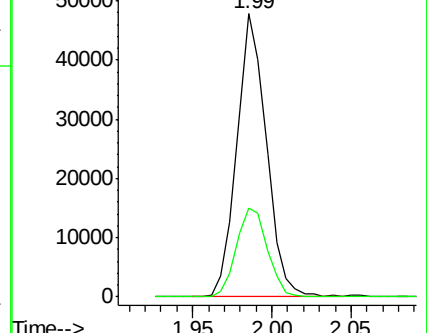
85 100

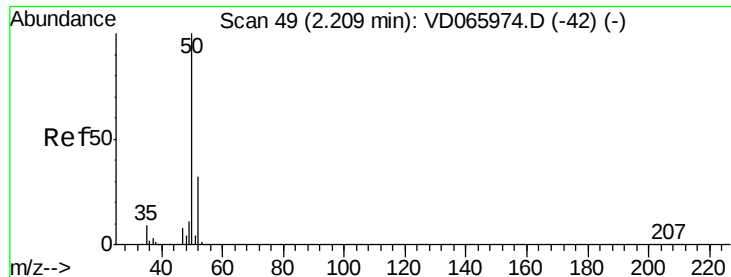
87 31.2 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

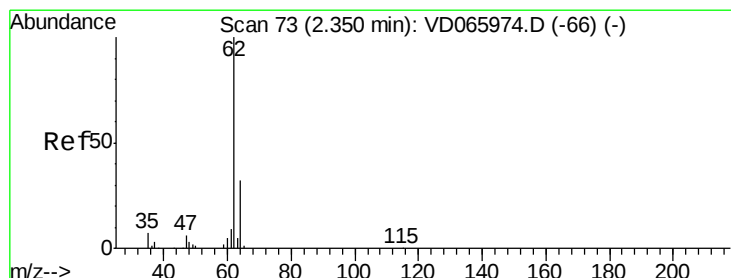
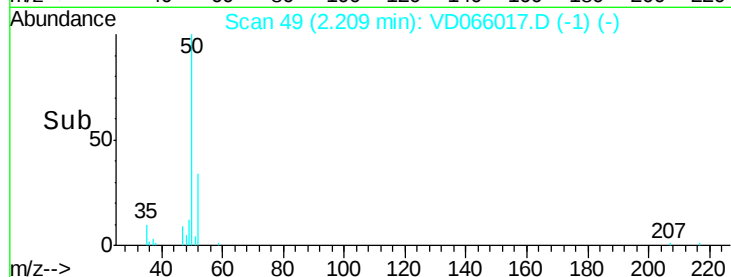
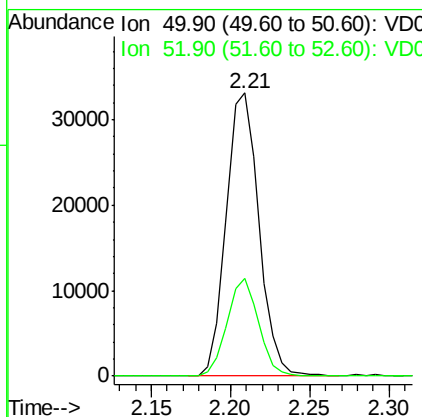
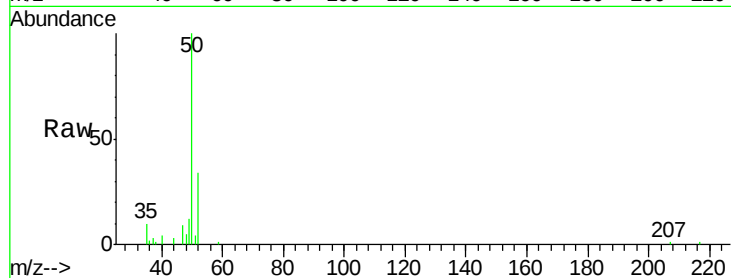




#3
Chloromethane
Concen: 22.730 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

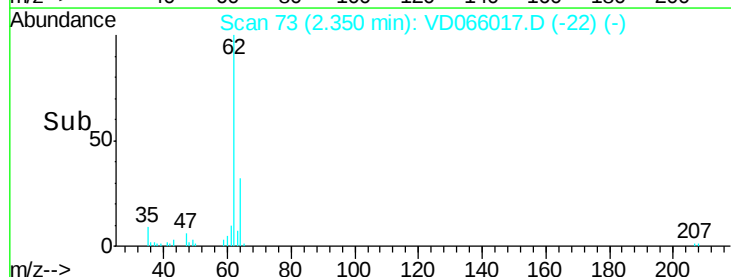
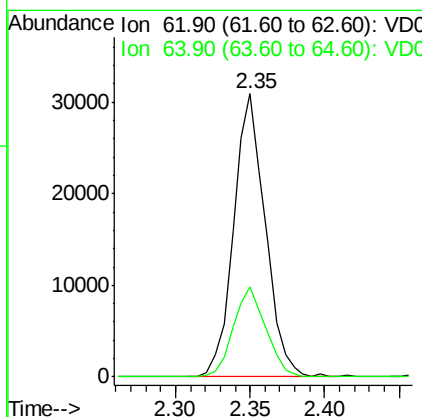
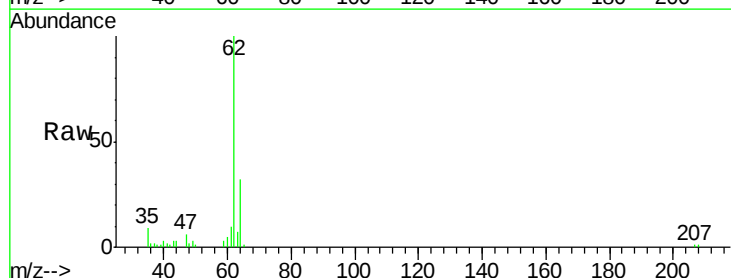
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

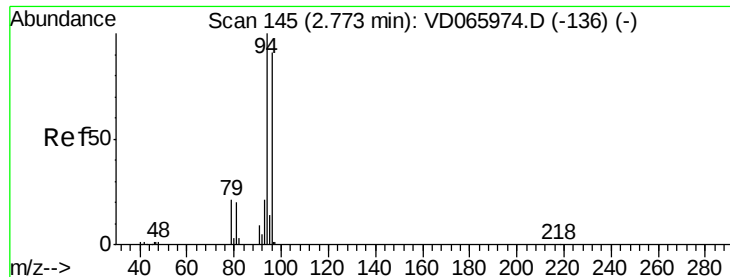
Tot Ion: 50 Resp: 47407
Ion Ratio Lower Upper
50 100
52 34.4 25.8 38.8



#4
Vinyl Chloride
Concen: 22.914 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 62 Resp: 45511
Ion Ratio Lower Upper
62 100
64 31.6 25.8 38.8





#5

Bromomethane

Concen: 19.703 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

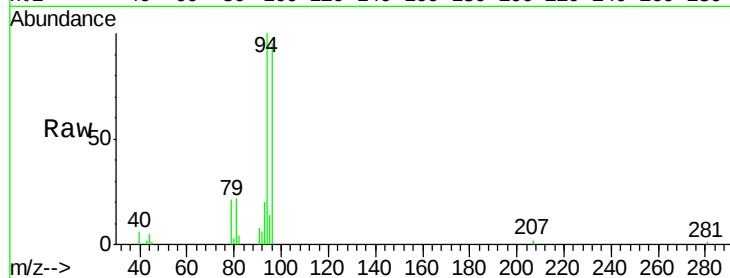
VD0723SBS01

Tot Ion: 94 Resp: 31767

Ion Ratio Lower Upper

94 100

96 94.7 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

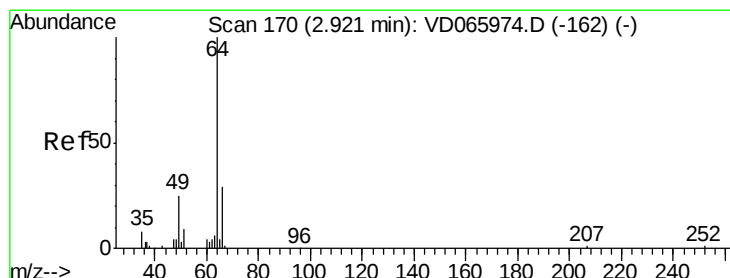
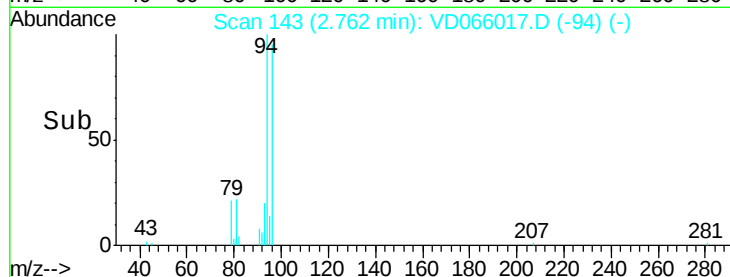
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 23.572 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066017.D

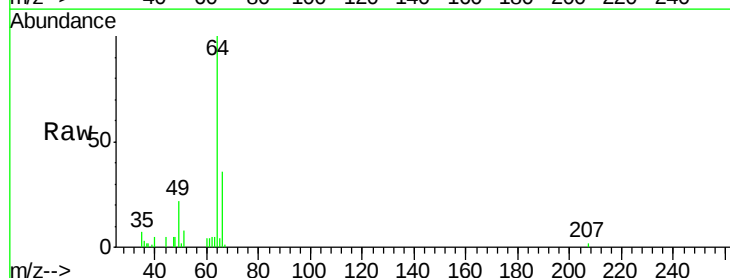
Acq: 23 Jul 2020 11:56

Tgt Ion: 64 Resp: 27948

Ion Ratio Lower Upper

64 100

66 35.8 23.4 35.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

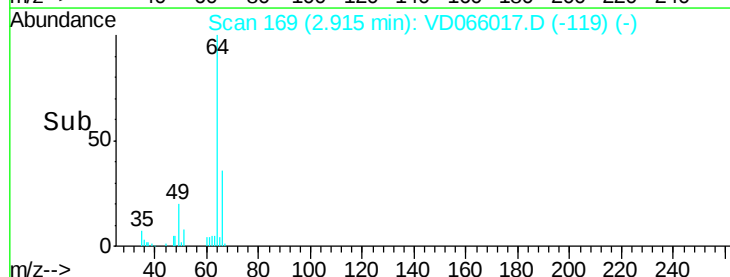
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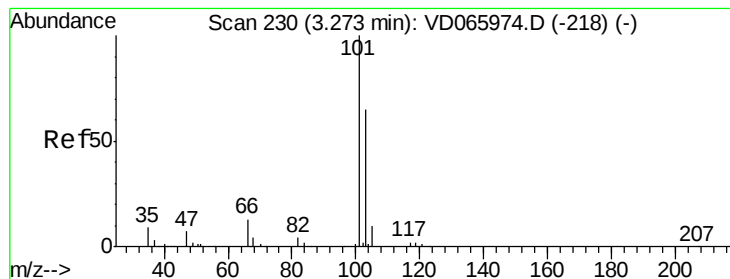
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5000

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Time-->



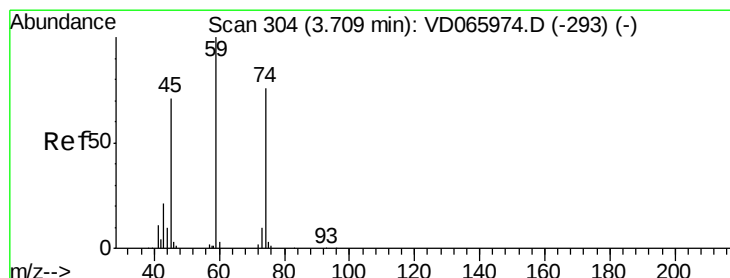
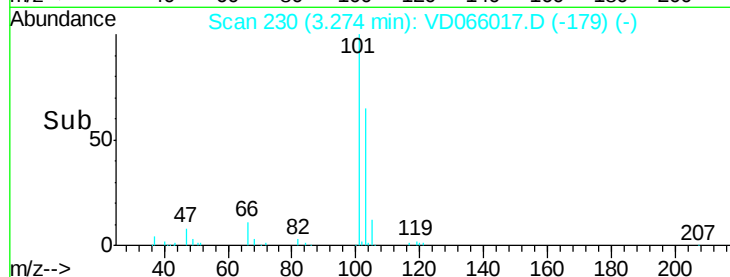
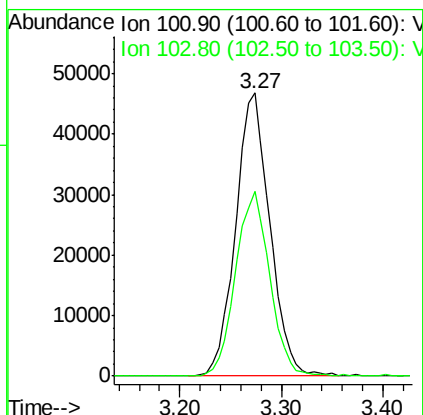
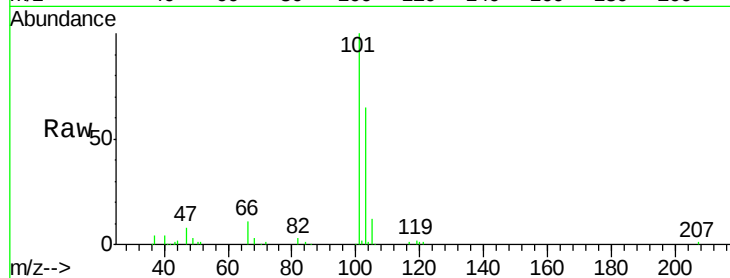


#7

Trichlorofluoromethane
 Concen: 22.732 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

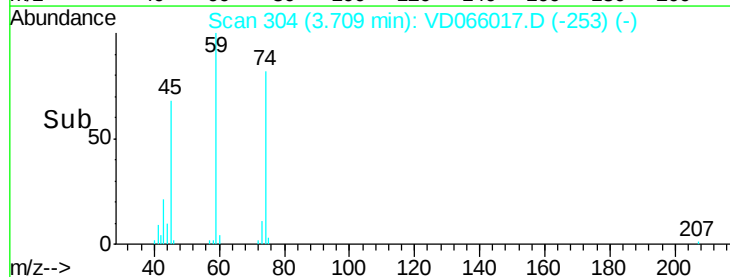
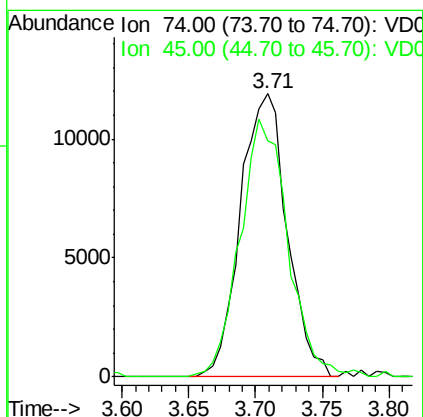
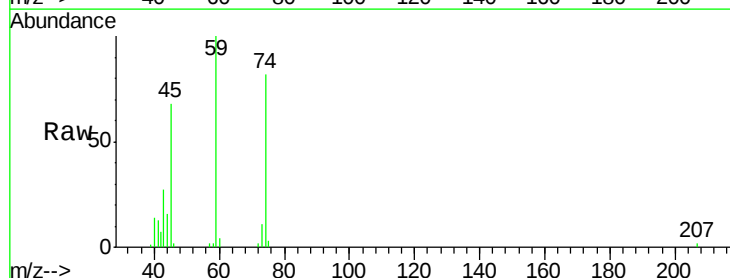
Tot Ion:101 Resp: 109821
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.1 78.1

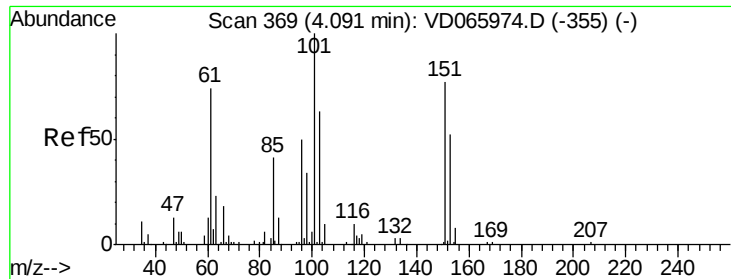


#8

Diethyl Ether
 Concen: 21.522 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 74 Resp: 28740
 Ion Ratio Lower Upper
 74 100
 45 94.0 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.927 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

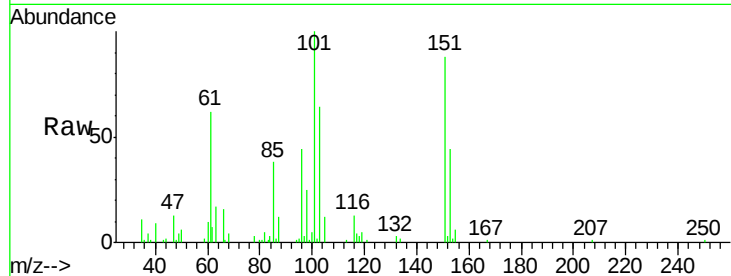
Tot Ion:101 Resp: 63963

Ion Ratio Lower Upper

101 100

85 43.3 33.6 50.4

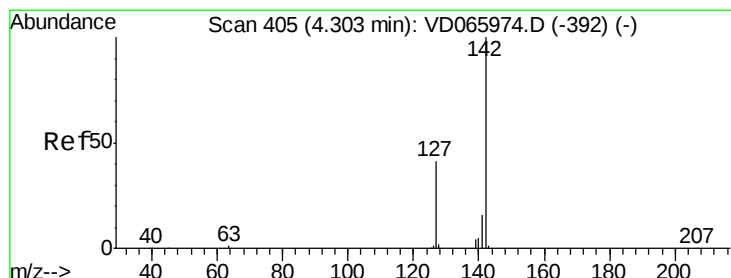
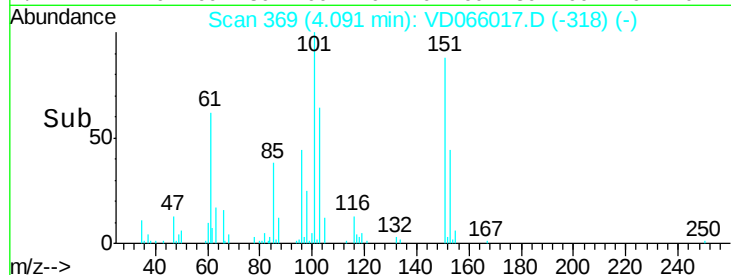
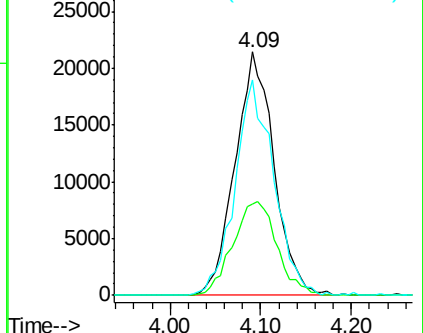
151 88.0 66.6 99.8



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: 27.350 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

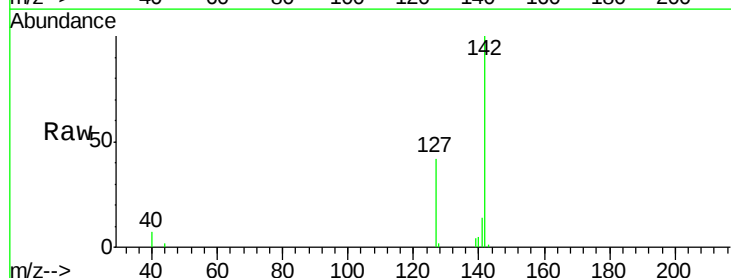
Tgt Ion:142 Resp: 66313

Ion Ratio Lower Upper

142 100

127 44.8 32.9 49.3

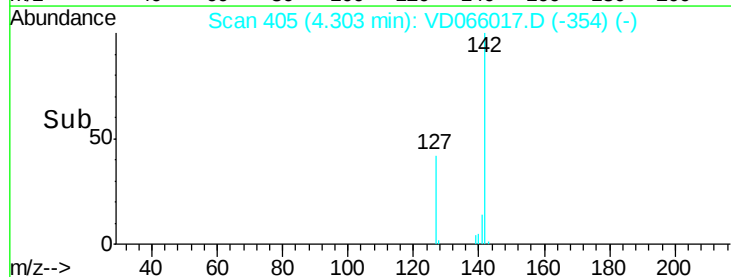
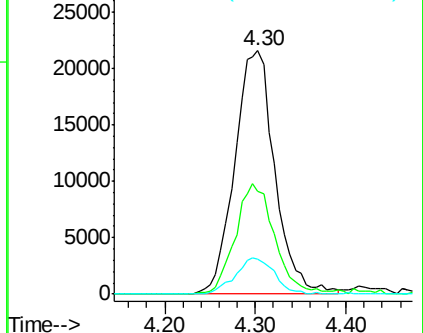
141 14.3 11.8 17.6

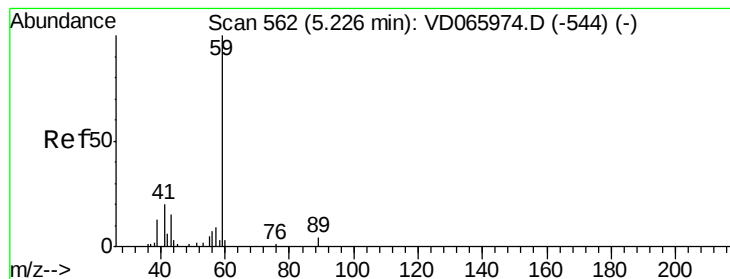


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



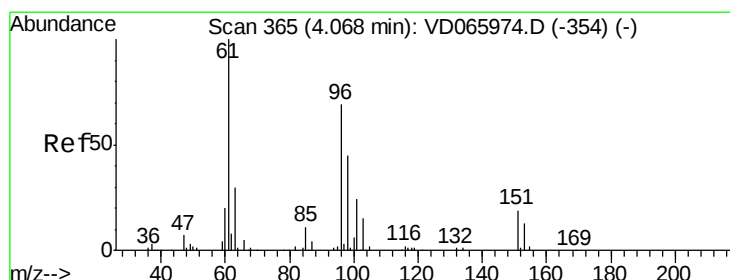
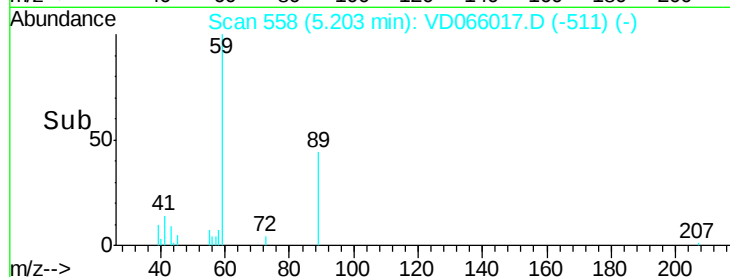
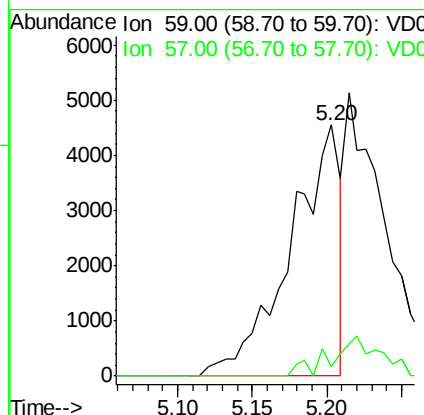
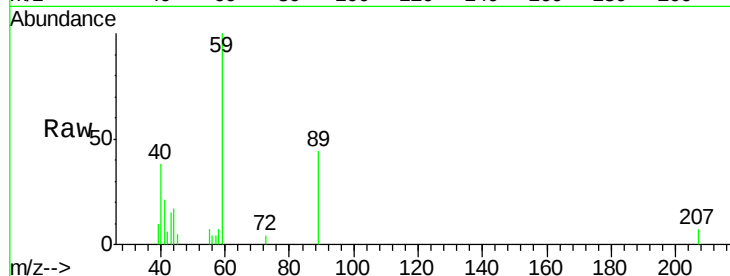


#11

Tert butyl alcohol
Concen: 38.591 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

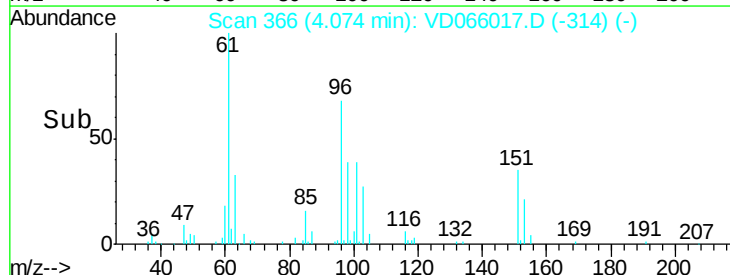
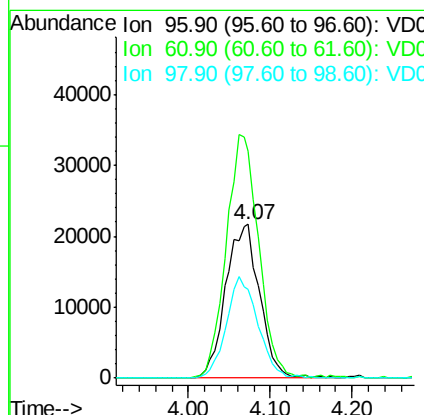
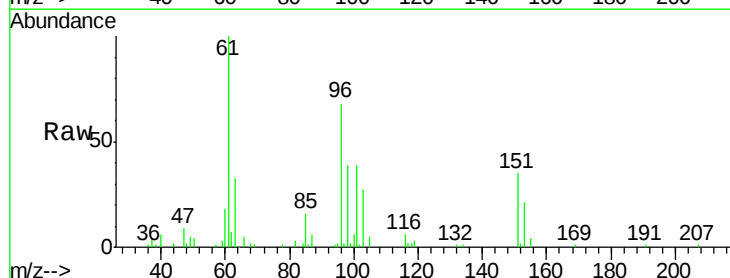
Tot Ion: 59 Resp: 10608
Ion Ratio Lower Upper
59 100
57 14.0 4.5 6.7#

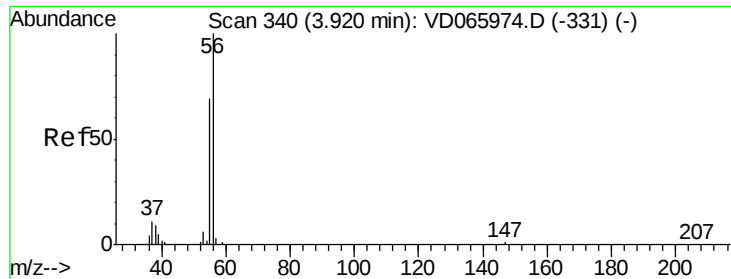


#12

1,1-Dichloroethene
Concen: 22.482 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 96 Resp: 62601
Ion Ratio Lower Upper
96 100
61 147.5 115.4 173.0
98 58.1 51.5 77.3





#13

Acrolein

Concen: 90.201 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

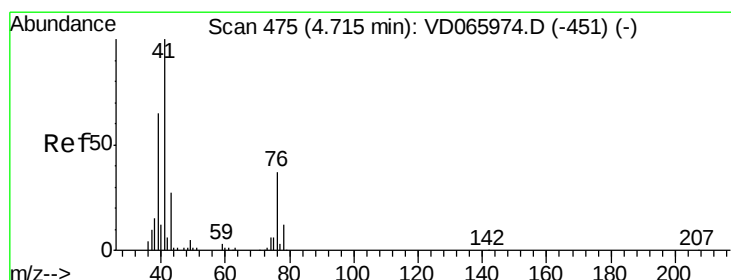
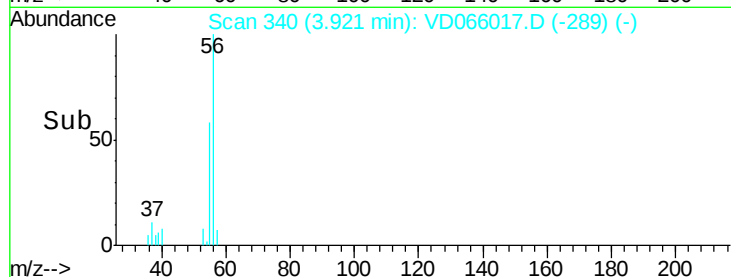
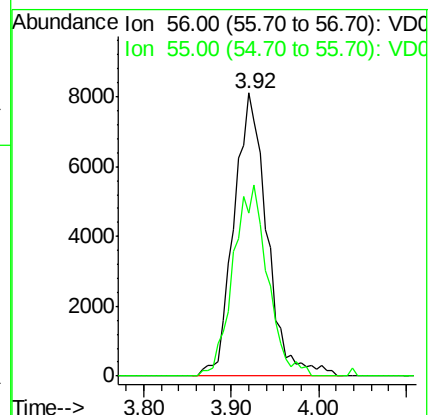
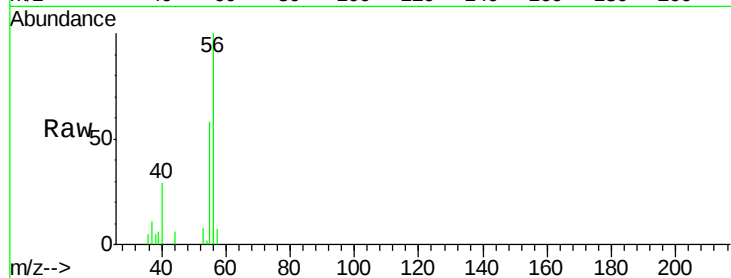
VD0723SBS01

Tot Ion: 56 Resp: 20825

Ion Ratio Lower Upper

56 100

55 70.1 55.8 83.8



#14

Allyl chloride

Concen: 20.908 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

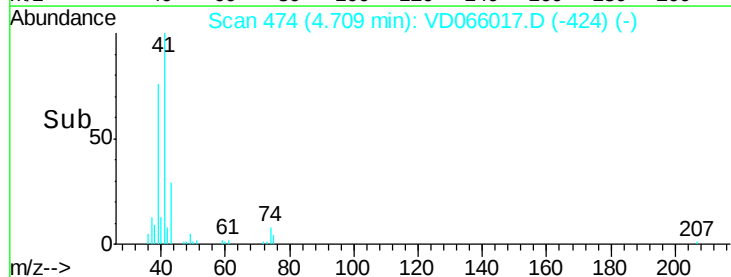
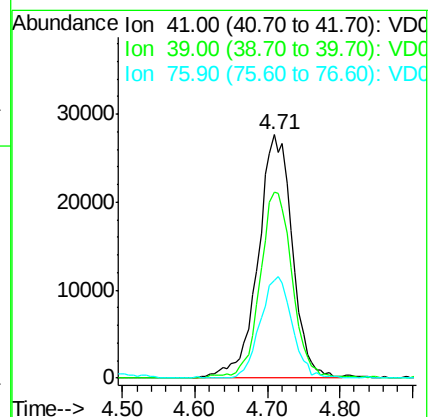
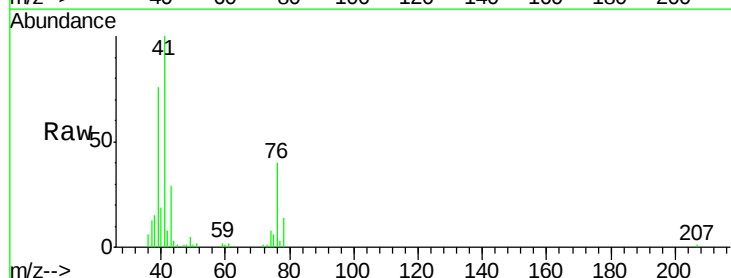
Tgt Ion: 41 Resp: 91005

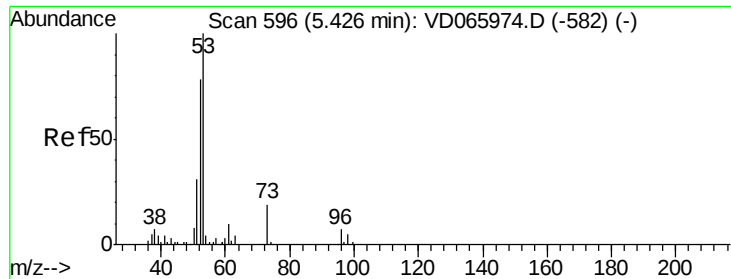
Ion Ratio Lower Upper

41 100

39 72.1 53.4 80.2

76 38.8 29.1 43.7





#15

Acrylonitrile

Concen: 104.266 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

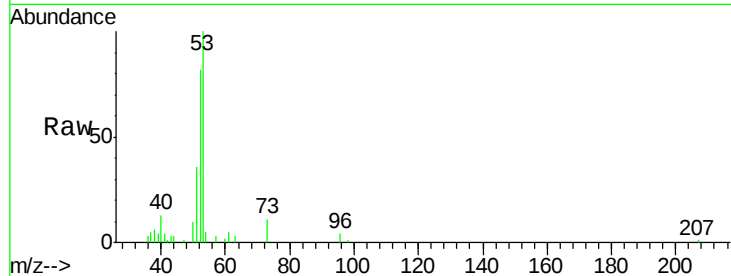
Tot Ion: 53 Resp: 59483

Ion Ratio Lower Upper

53 100

52 81.8 67.1 100.7

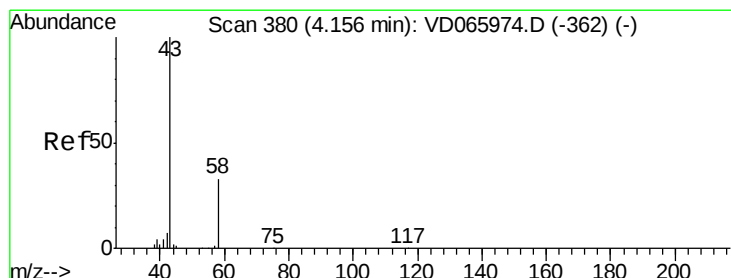
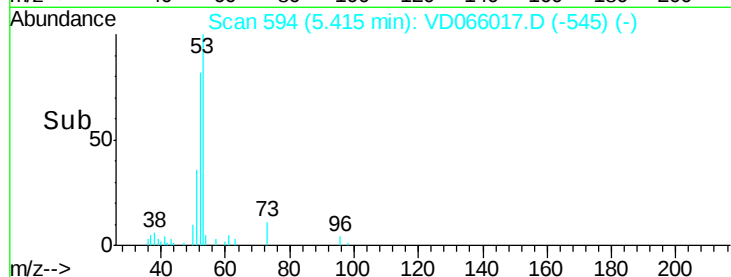
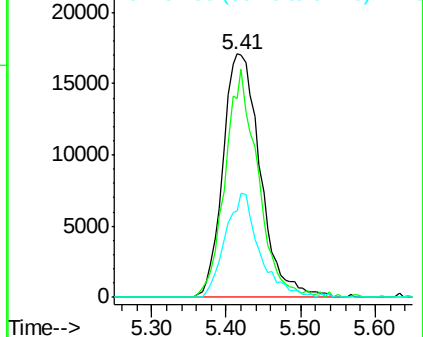
51 38.7 28.7 43.1



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: 101.076 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066017.D

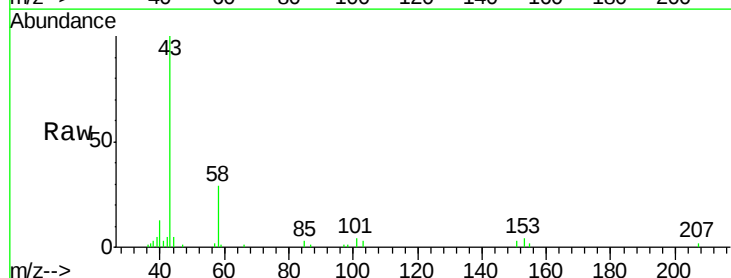
Acq: 23 Jul 2020 11:56

Tgt Ion: 43 Resp: 56064

Ion Ratio Lower Upper

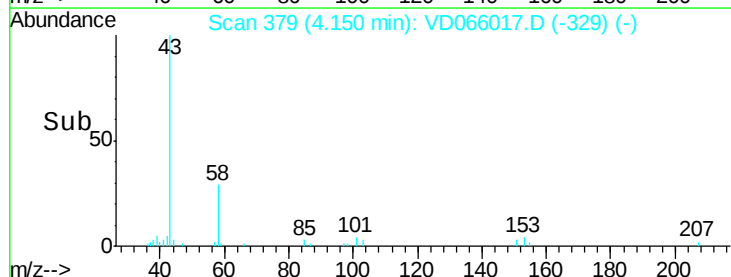
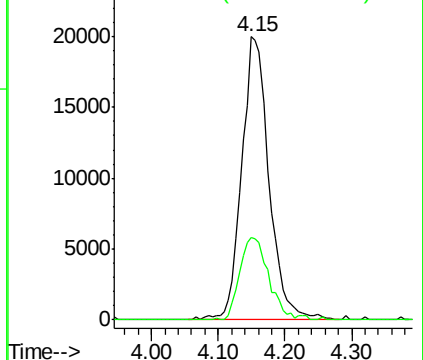
43 100

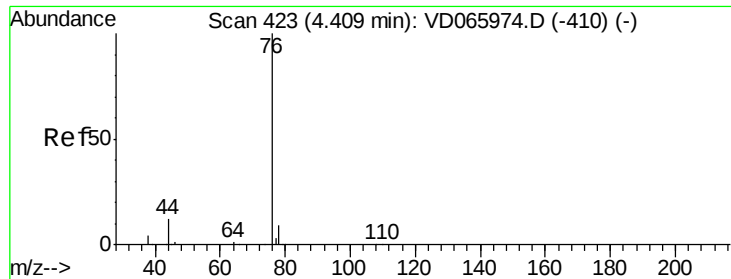
58 29.3 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

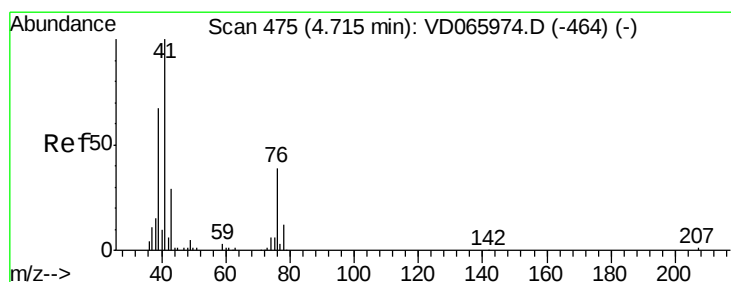
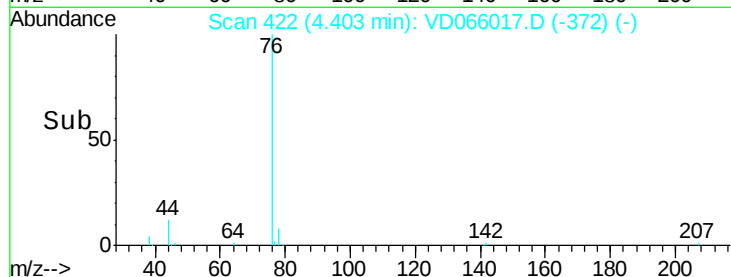
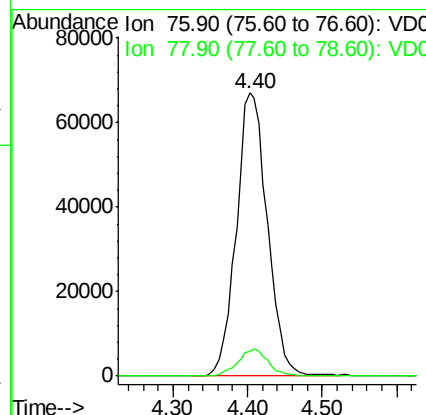
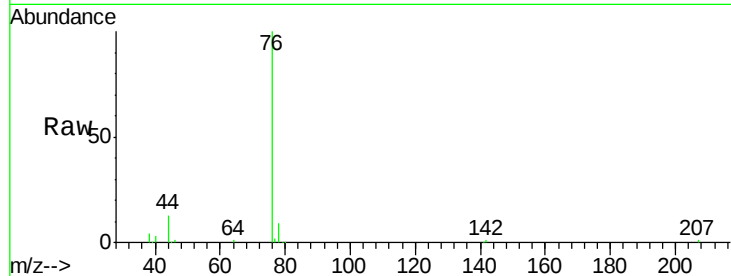




#17
Carbon Disulfide
Concen: 21.440 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

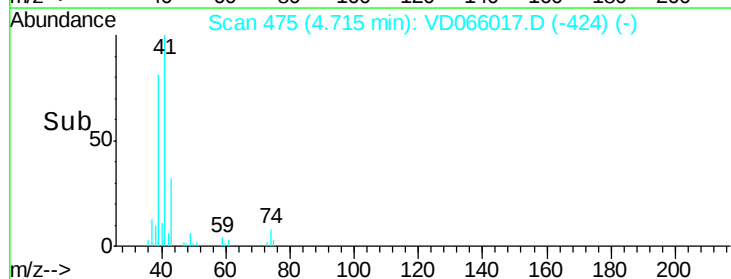
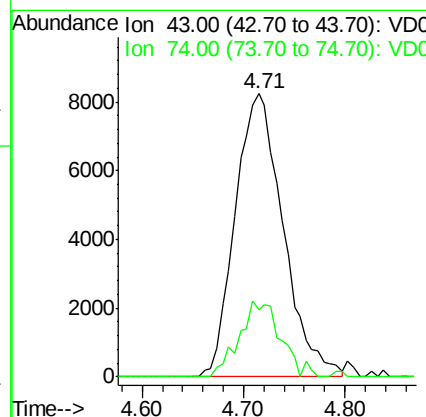
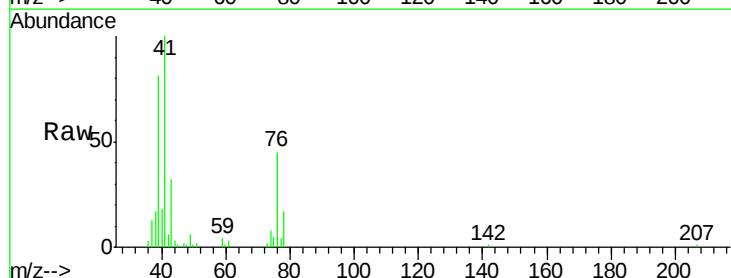
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

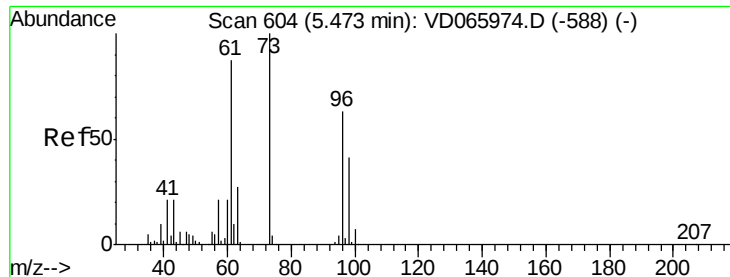
Tot Ion: 76 Resp: 193643
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 20.922 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 43 Resp: 26996
Ion Ratio Lower Upper
43 100
74 22.2 19.2 28.8

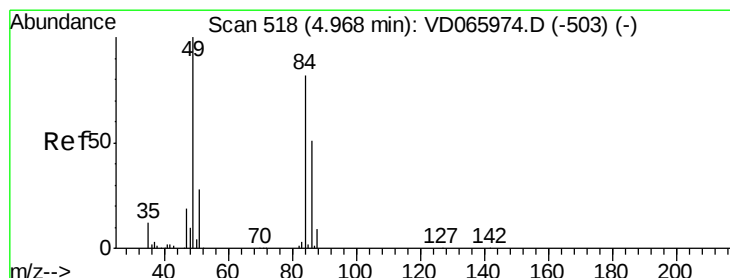
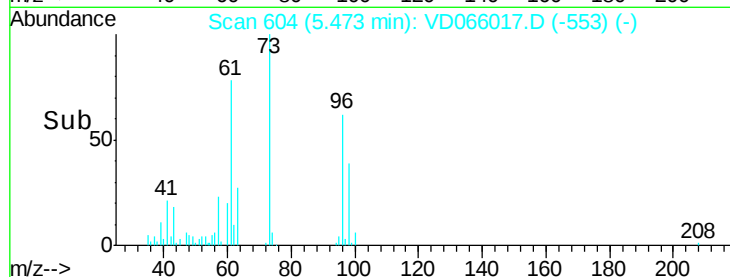
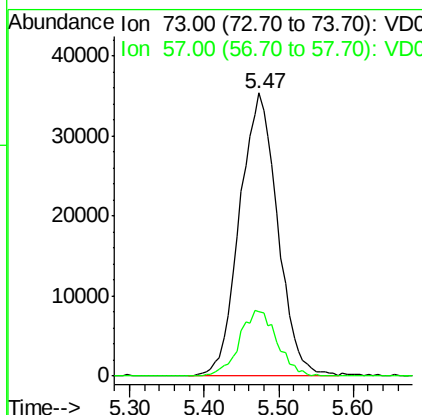
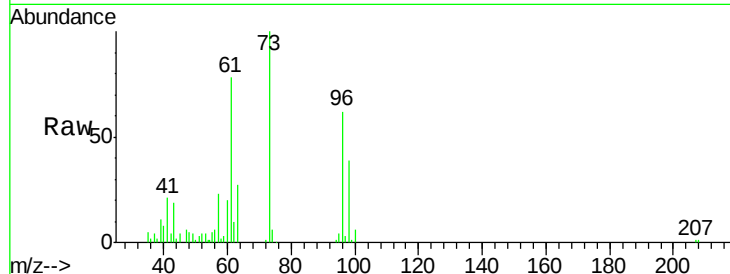




#19
Methvl tert-butvl Ether
Concen: 21.939 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

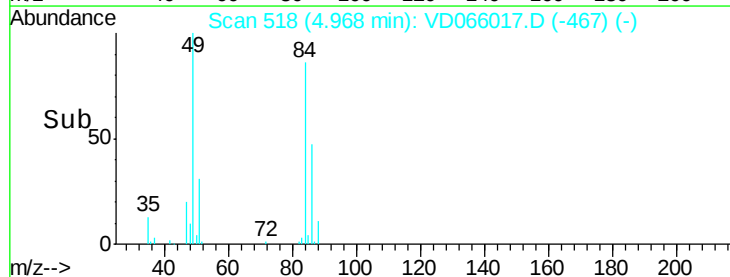
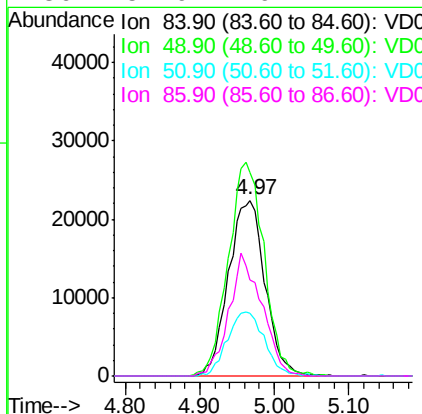
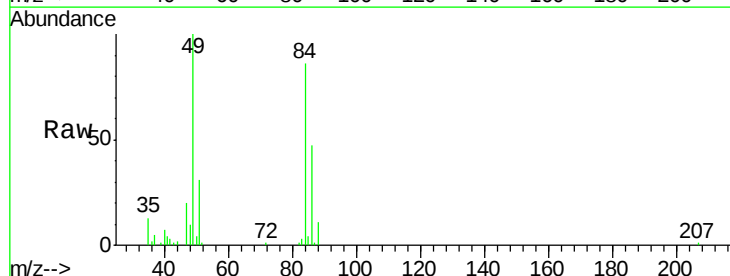
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

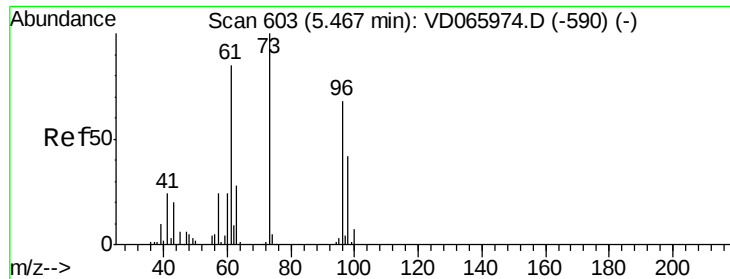
Tot Ion: 73 Resp: 125512
Ion Ratio Lower Upper
73 100
57 22.7 17.0 25.4



#20
Methylene Chloride
Concen: 23.239 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 84 Resp: 76142
Ion Ratio Lower Upper
84 100
49 115.9 97.7 146.5
51 35.9 27.4 41.2
86 54.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.108 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

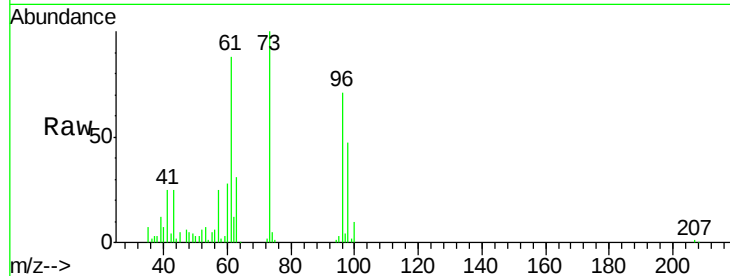
Tot Ion: 96 Resp: 69573

Ion Ratio Lower Upper

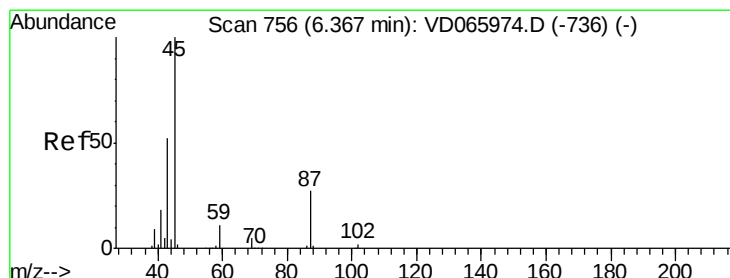
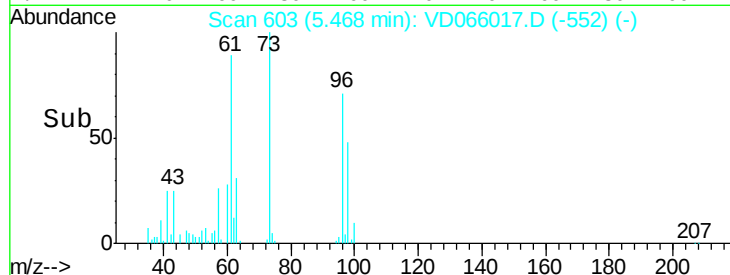
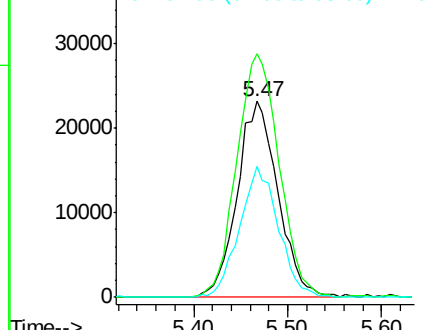
96 100

61 124.3 100.5 150.7

98 66.6 49.7 74.5



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: 21.872 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion: 45 Resp: 180863

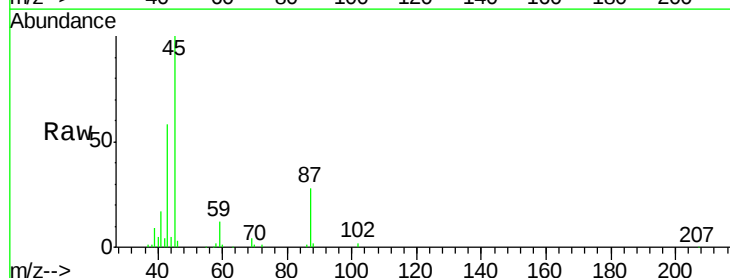
Ion Ratio Lower Upper

45 100

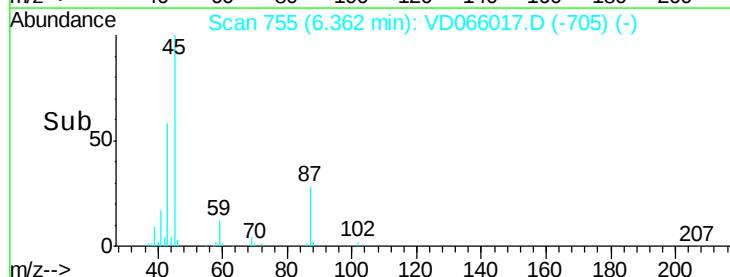
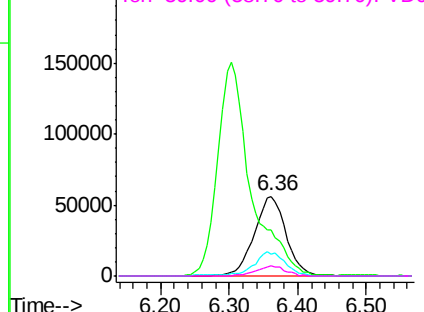
43 56.2 43.0 64.4

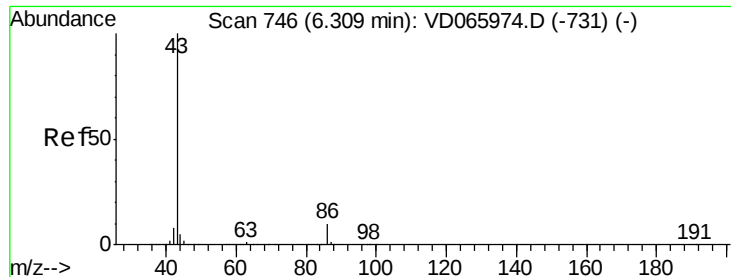
87 27.7 22.0 33.0

59 12.5 9.1 13.7



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: 108.915 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

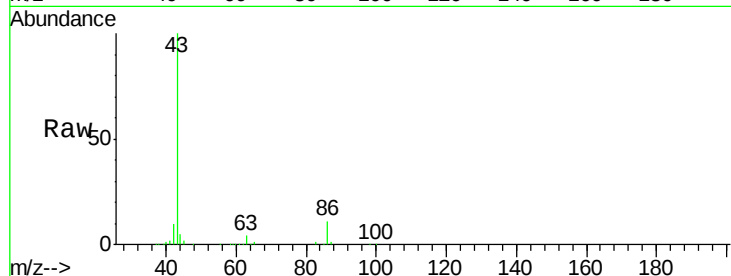
VD0723SBS01

Tot Ion: 43 Resp: 507933

Ion Ratio Lower Upper

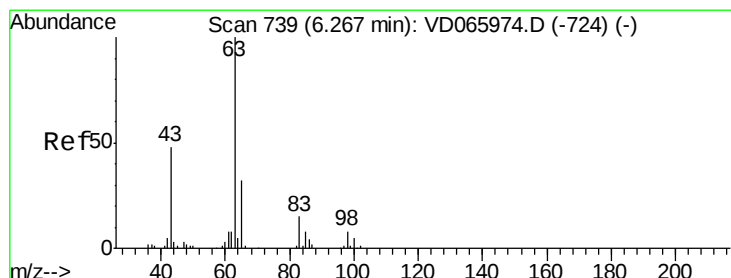
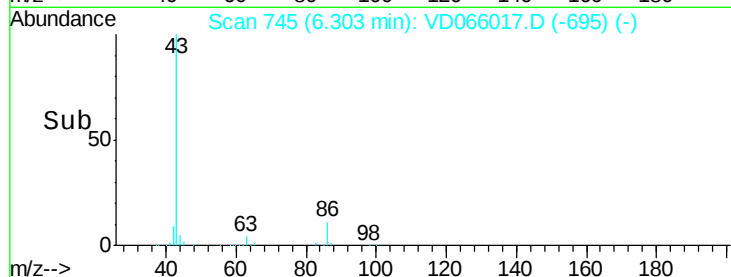
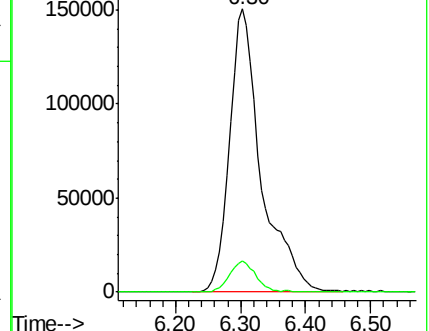
43 100

86 10.9 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.163 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

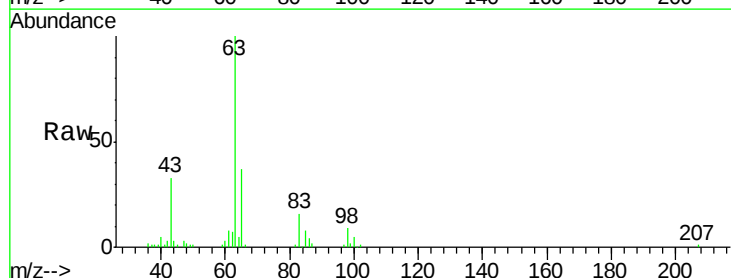
Tgt Ion: 63 Resp: 111044

Ion Ratio Lower Upper

63 100

98 8.7 4.3 12.8

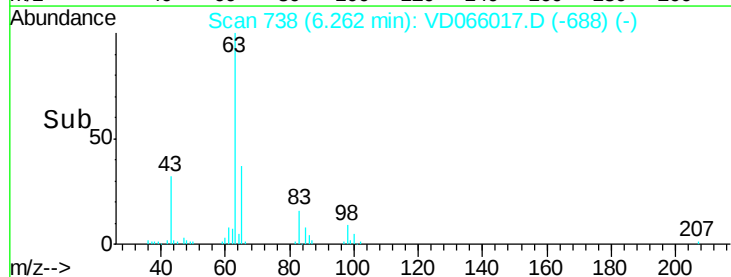
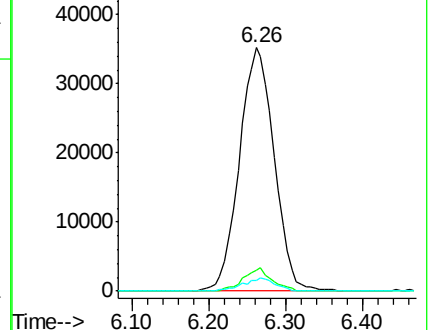
100 4.6 2.5 7.5

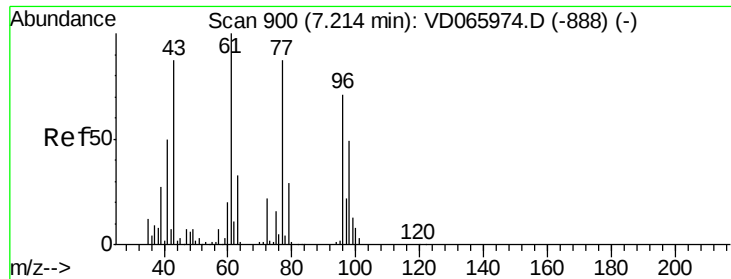


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

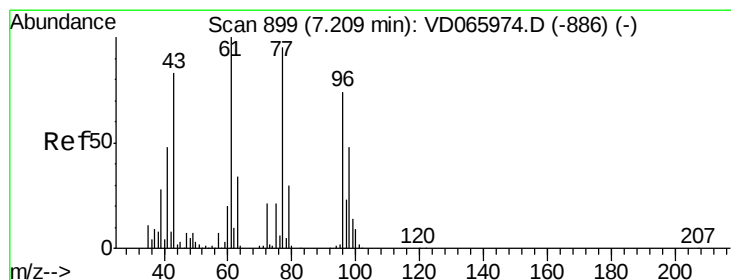
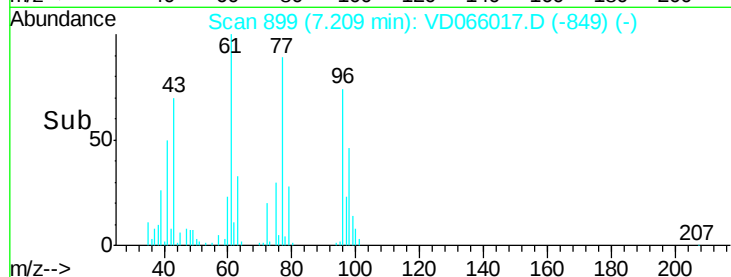
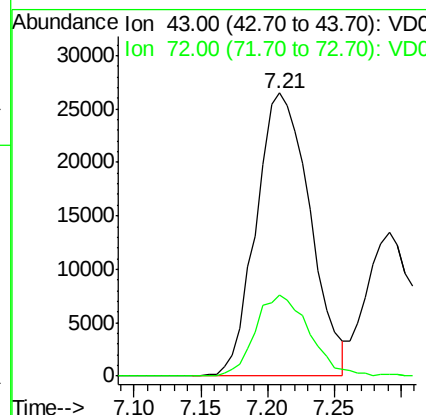
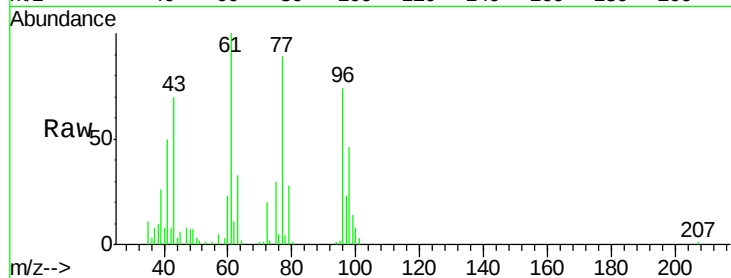




#25
 2-Butanone
 Concen: 100.628 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

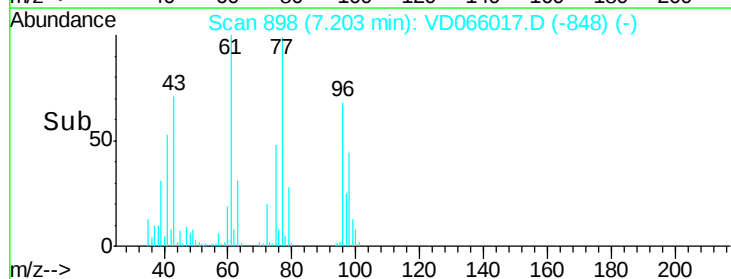
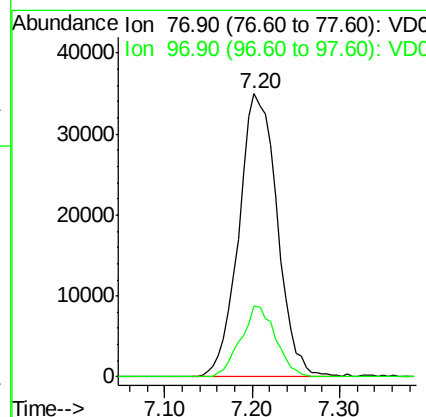
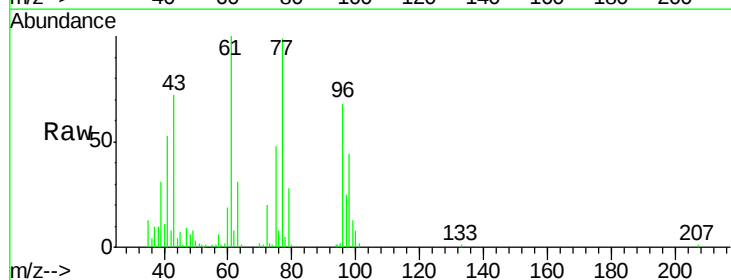
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

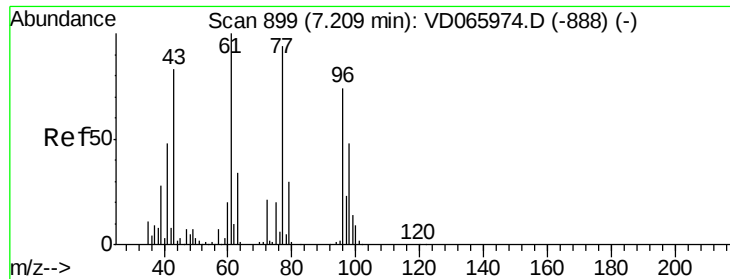
Tot Ion: 43 Resp: 74062
 Ion Ratio Lower Upper
 43 100
 72 28.5 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 23.102 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 77 Resp: 104089
 Ion Ratio Lower Upper
 77 100
 97 22.7 11.6 34.7



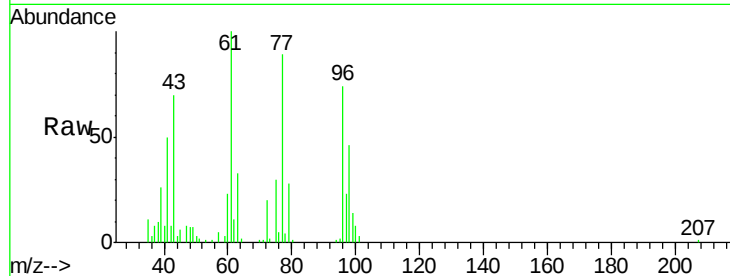


#27

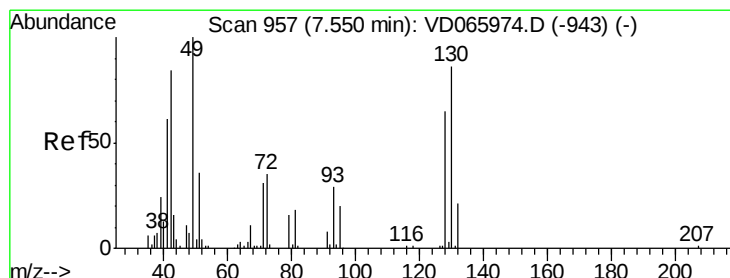
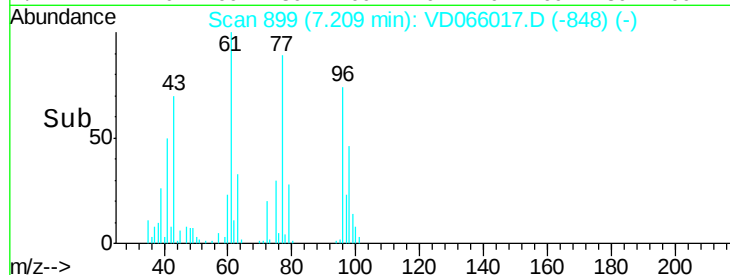
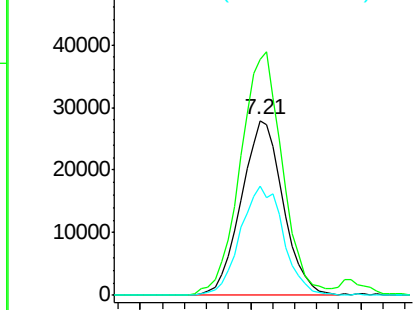
cis-1,2-Dichloroethene
Concen: 22.327 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion: 96 Resp: 74392
Ion Ratio Lower Upper
96 100
61 140.2 0.0 276.6
98 64.2 0.0 130.8



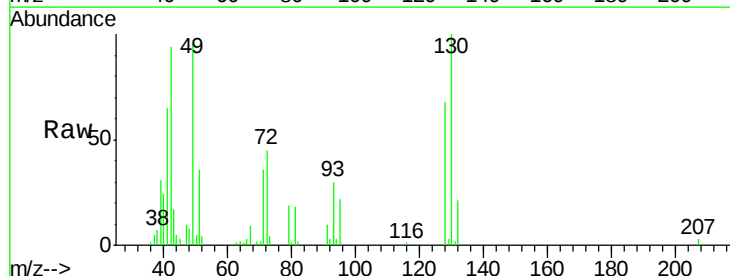
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



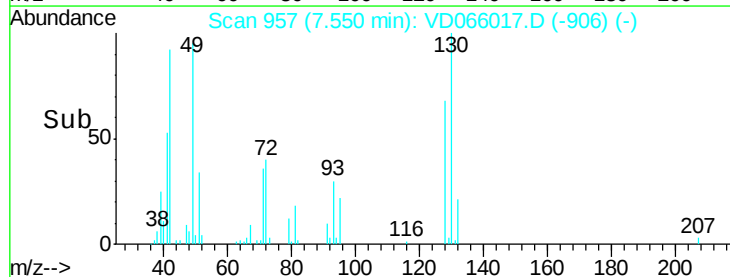
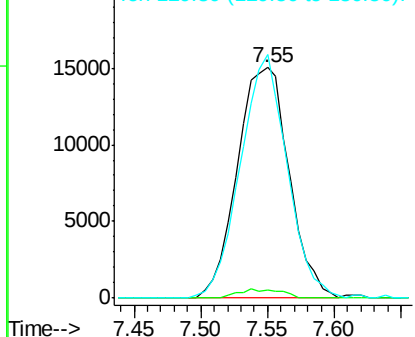
#28

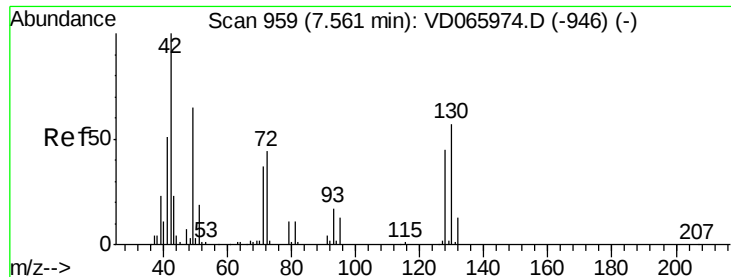
Bromochloromethane
Concen: 19.018 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 49 Resp: 40443
Ion Ratio Lower Upper
49 100
129 3.2 0.0 4.8
130 95.2 68.4 102.6



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

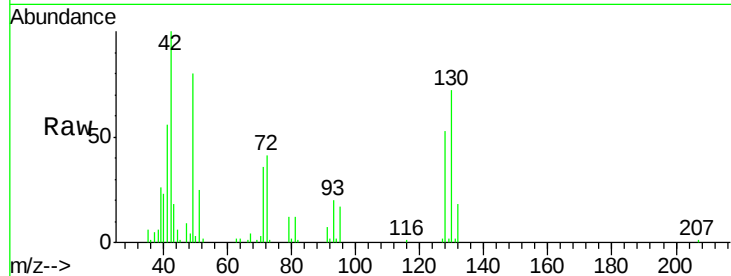




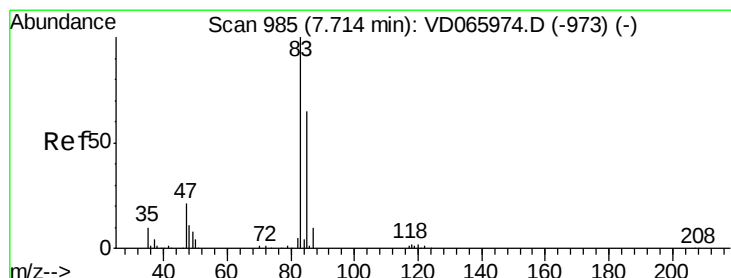
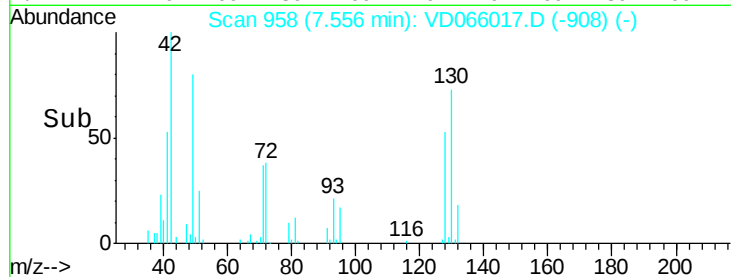
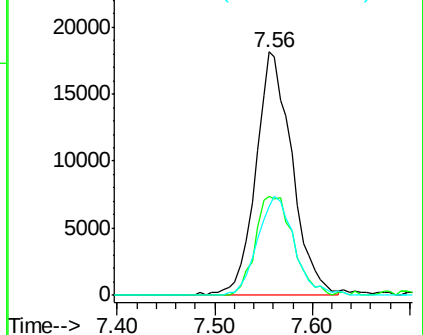
#29
Tetrahydrofuran
Concen: 104.017 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion: 42 Resp: 47236
Ion Ratio Lower Upper
42 100
72 42.7 34.2 51.2
71 41.0 31.4 47.2

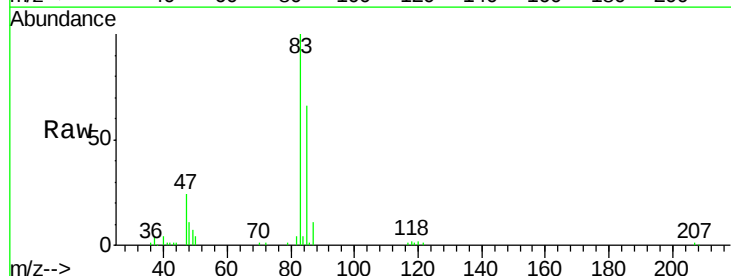


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

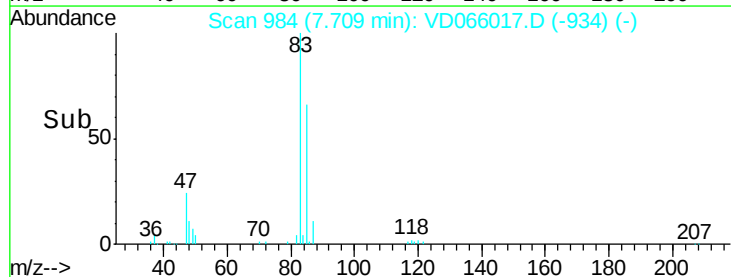
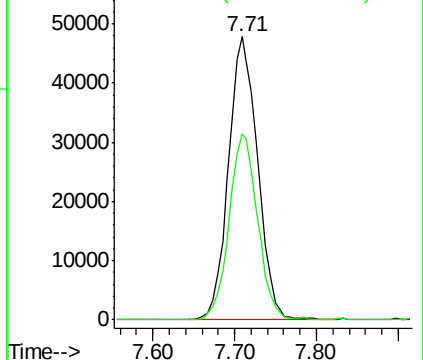


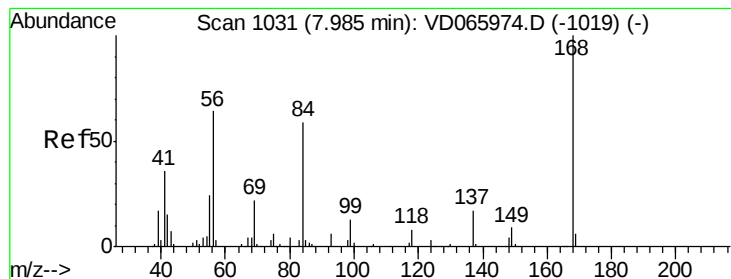
#30
Chloroform
Concen: 22.579 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 83 Resp: 118336
Ion Ratio Lower Upper
83 100
85 66.0 52.1 78.1



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





#31

Cyclohexane

Concen: 21.487 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

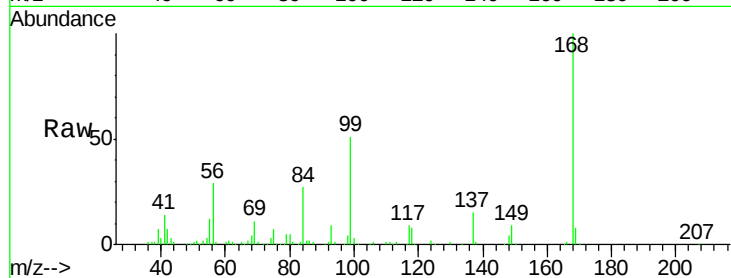
Tot Ion: 56 Resp: 105914

Ion Ratio Lower Upper

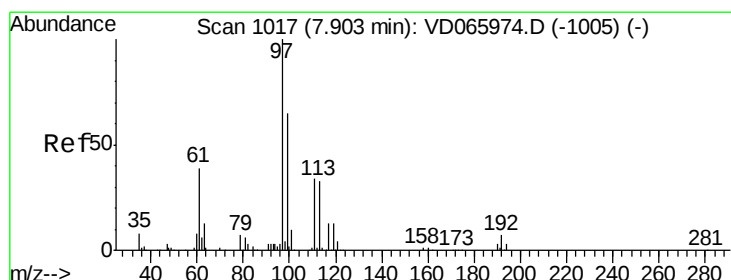
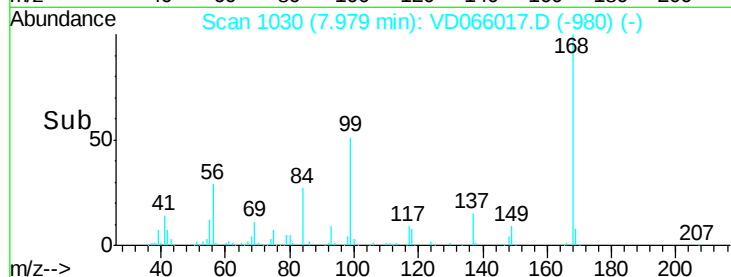
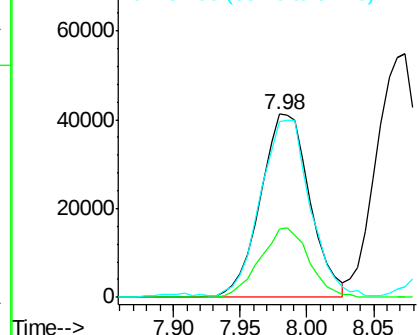
56 100

69 37.2 28.0 42.0

84 94.7 72.6 109.0



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: 23.176 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

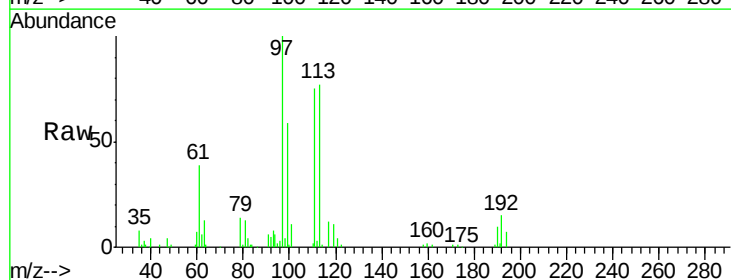
Tgt Ion: 97 Resp: 112357

Ion Ratio Lower Upper

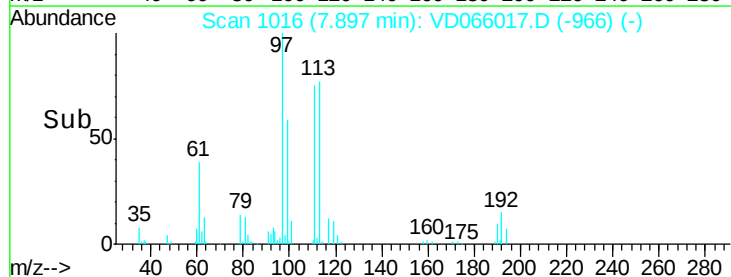
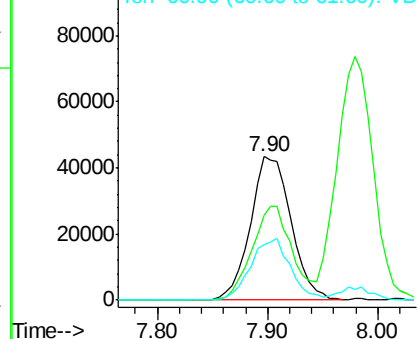
97 100

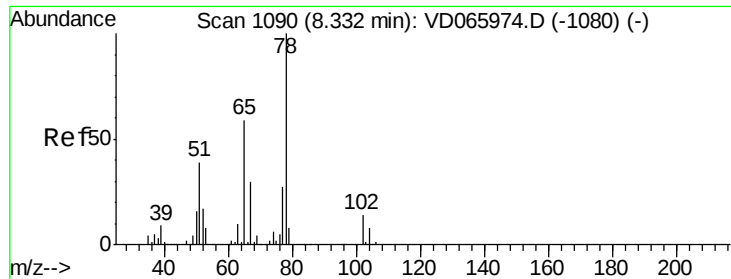
99 65.0 51.8 77.6

61 41.7 33.3 49.9



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

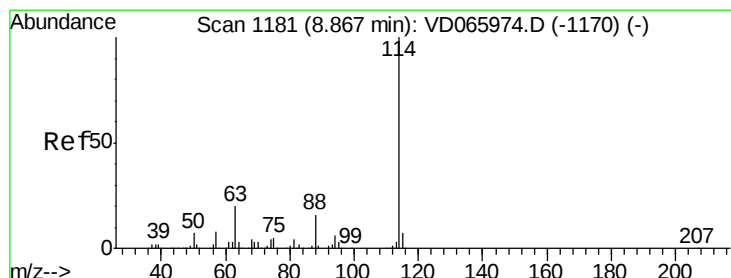
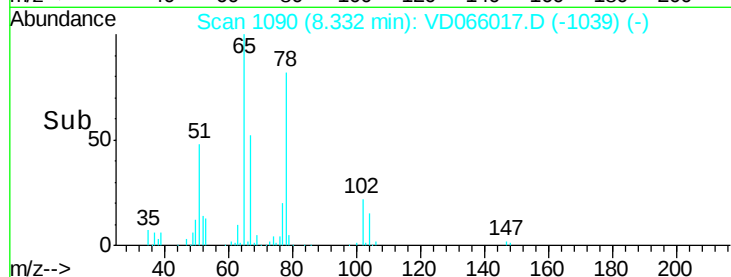
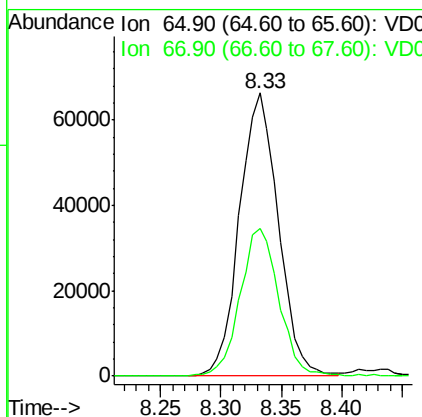
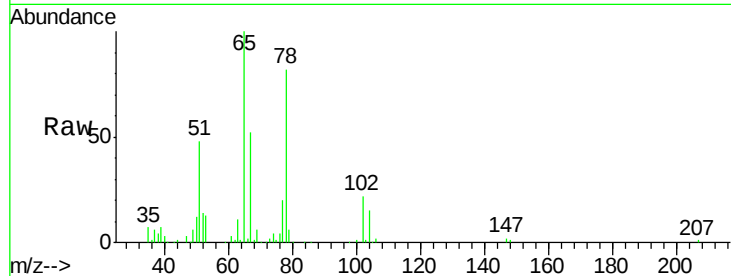




#33
 1,2-Dichloroethane-d4
 Concen: 54.407 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

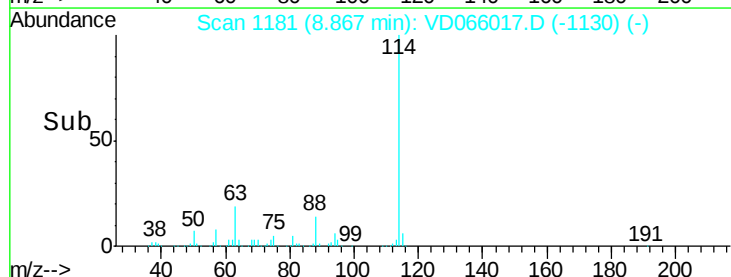
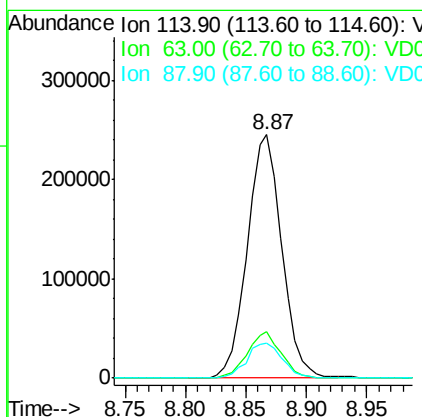
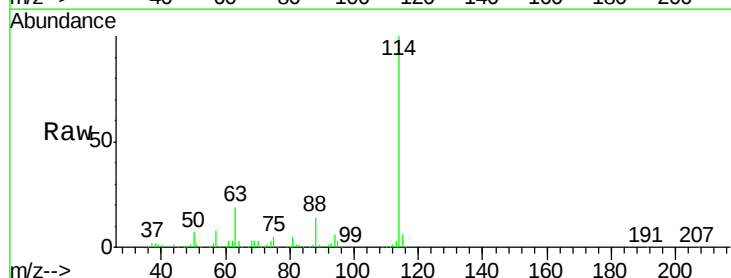
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion: 65 Resp: 149090
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 114 Resp: 489048
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.6
 88 14.2 0.0 31.2

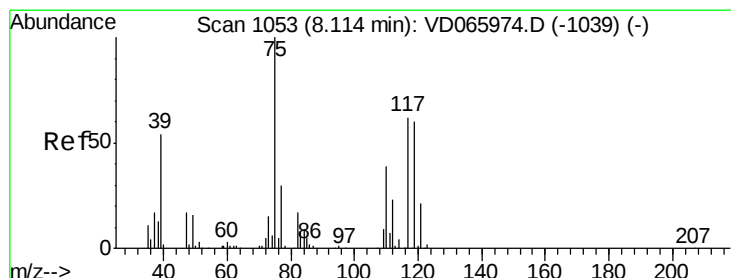
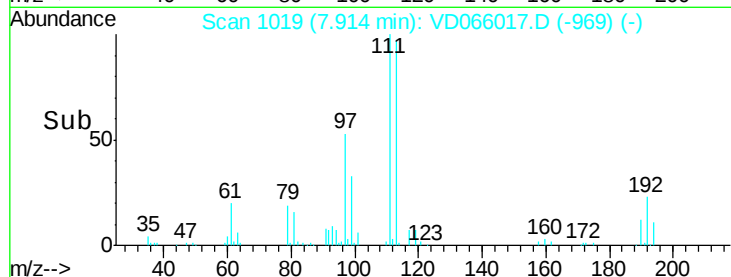
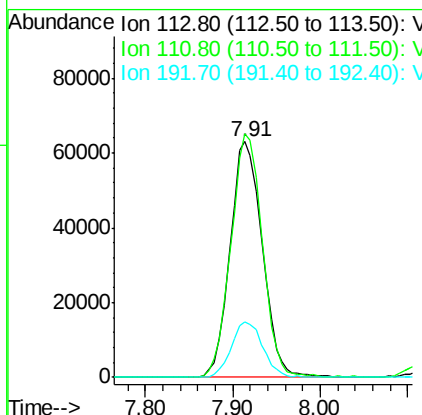
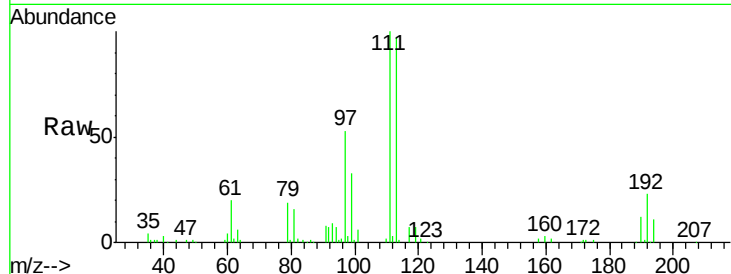




#35
 Dibromofluoromethane
 Concen: 53.057 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

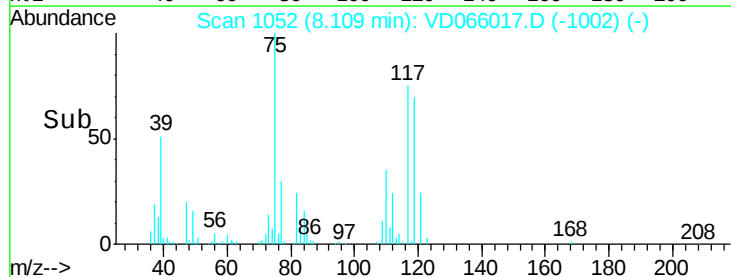
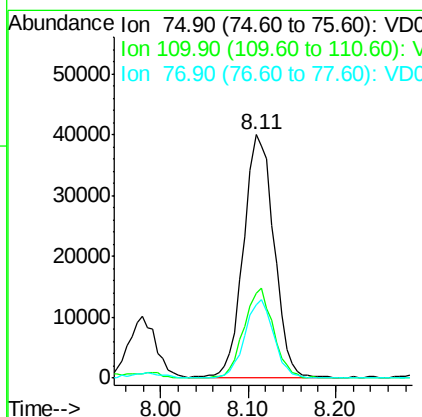
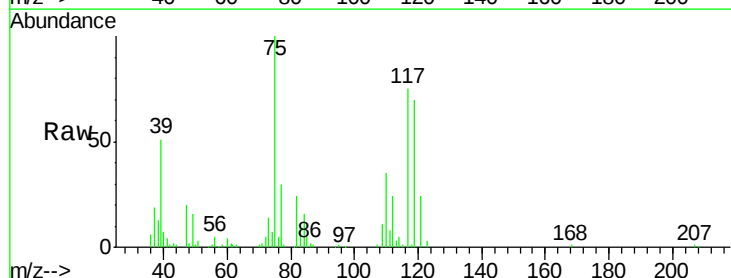
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

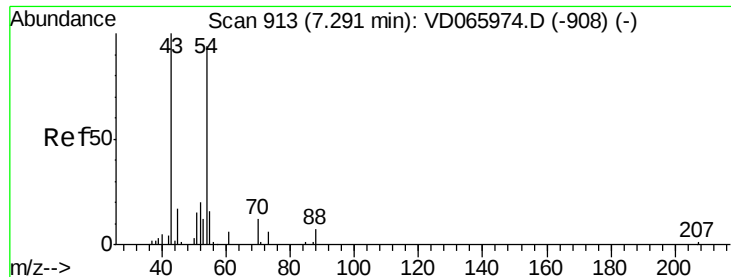
Tot Ion:113 Resp: 157380
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.2 124.8
 192 22.9 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 22.756 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 75 Resp: 94980
 Ion Ratio Lower Upper
 75 100
 110 35.1 19.5 58.5
 77 30.2 24.7 37.1

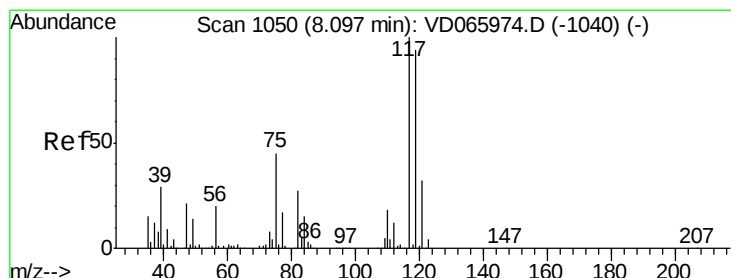
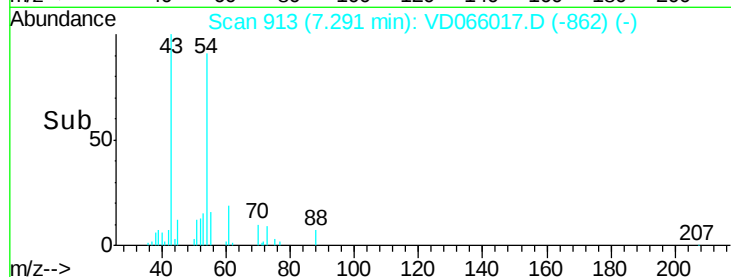
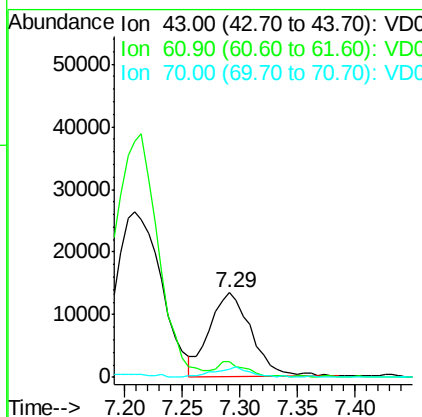
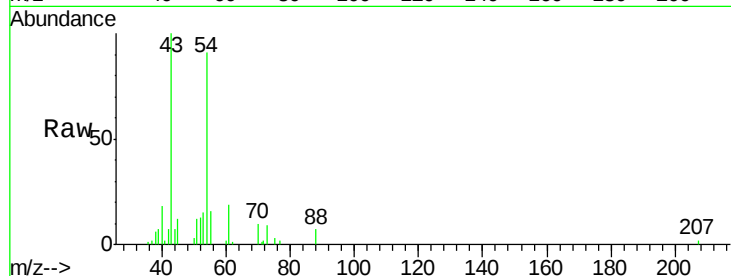




#37
Ethyl Acetate
Concen: 21.064 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

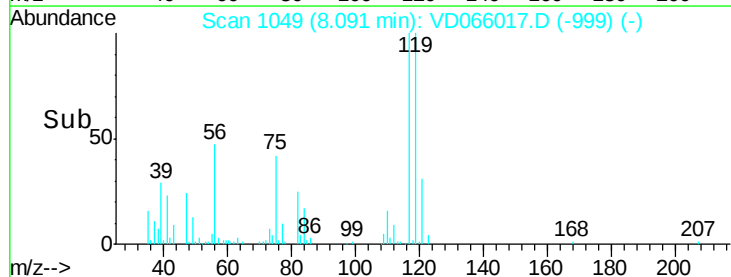
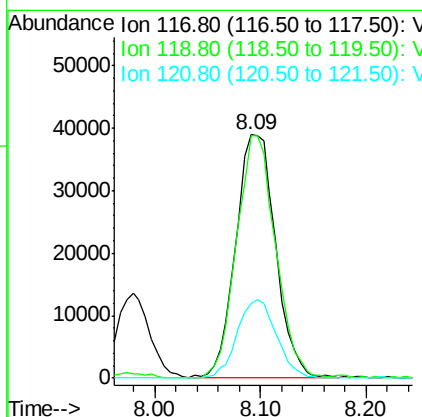
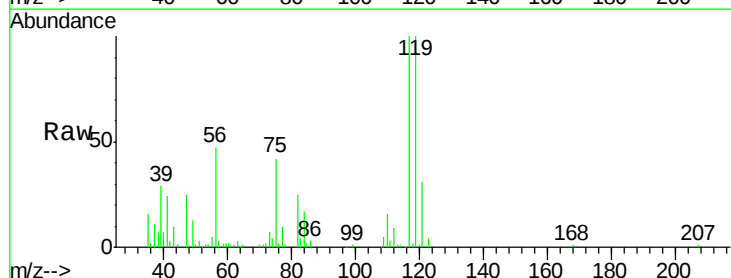
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

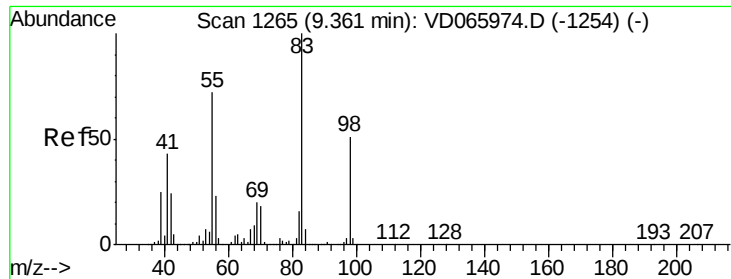
Tot Ion: 43 Resp: 33576
Ion Ratio Lower Upper
43 100
61 13.7 11.4 17.0
70 10.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 22.371 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 117 Resp: 101313
Ion Ratio Lower Upper
117 100
119 100.2 75.0 112.6
121 30.9 25.5 38.3

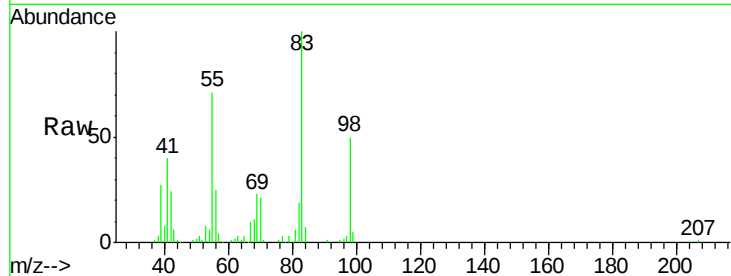




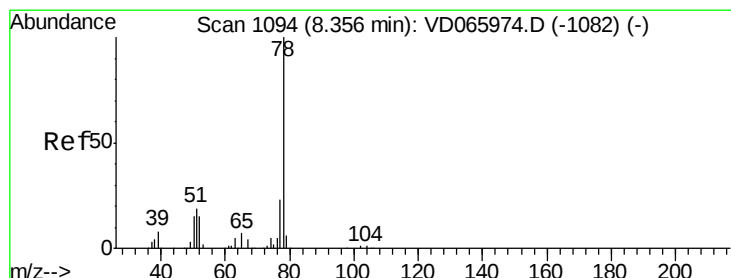
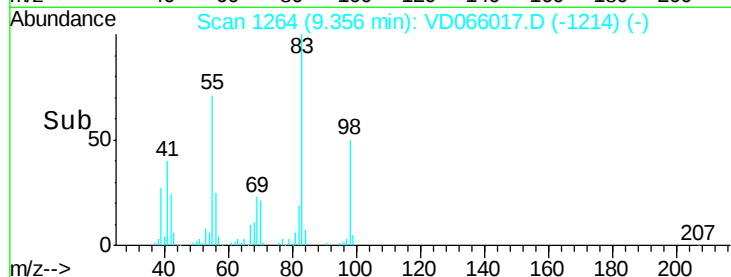
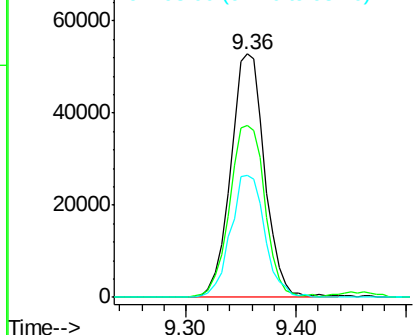
#39
Methvlcvclohexane
Concen: 22.540 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion: 83 Resp: 113928
Ion Ratio Lower Upper
83 100
55 70.5 57.3 85.9
98 50.4 41.0 61.6

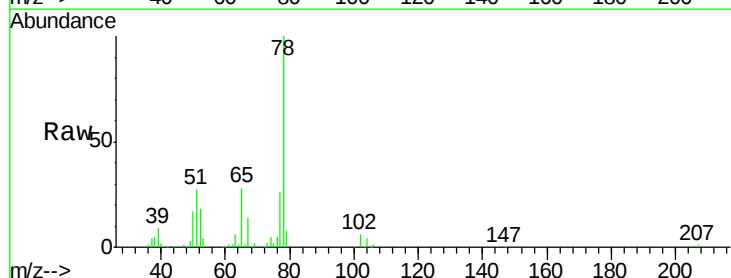


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

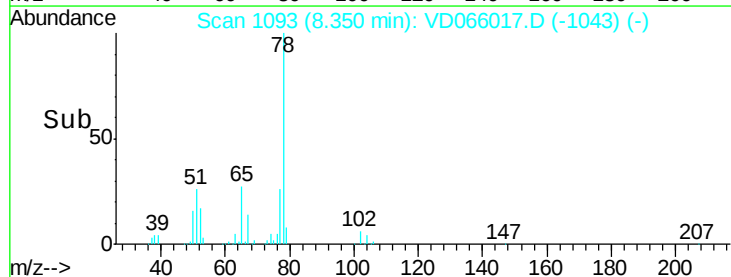
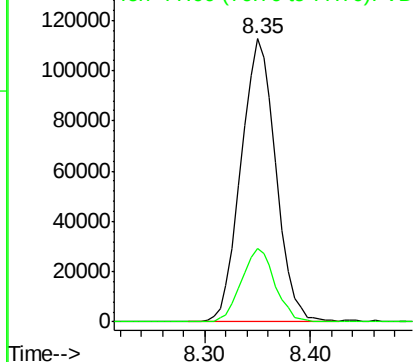


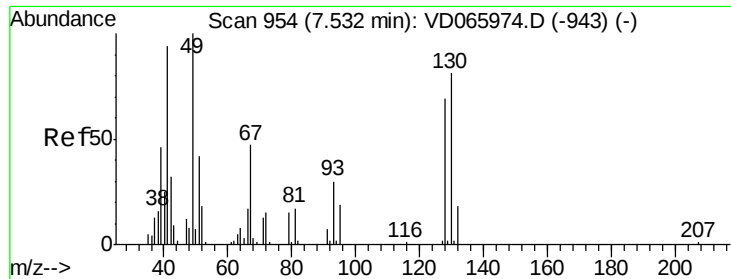
#40
Benzene
Concen: 22.097 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 78 Resp: 258020
Ion Ratio Lower Upper
78 100
77 25.8 18.6 27.8



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

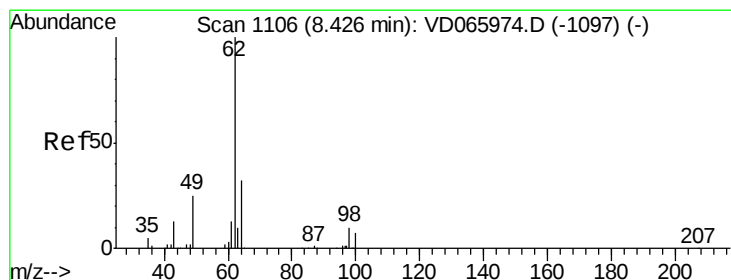
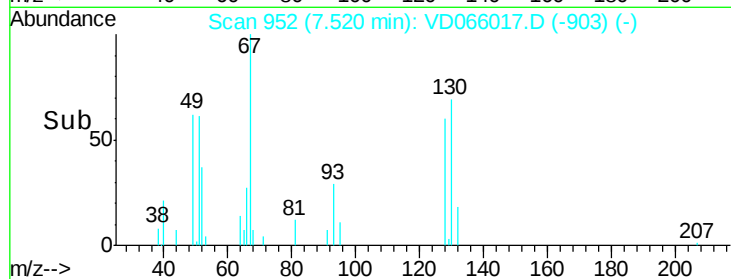
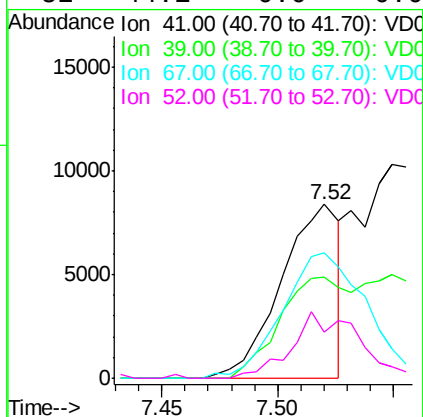
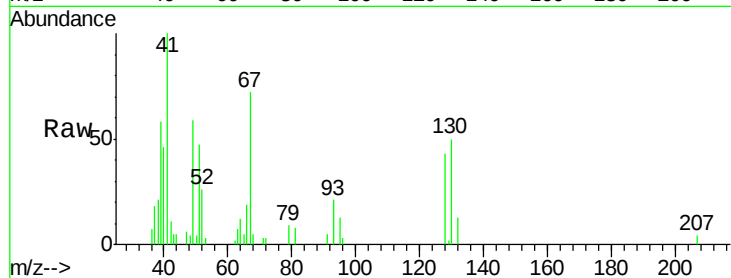




#41
Methacrylonitrile
Concen: 16.207 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

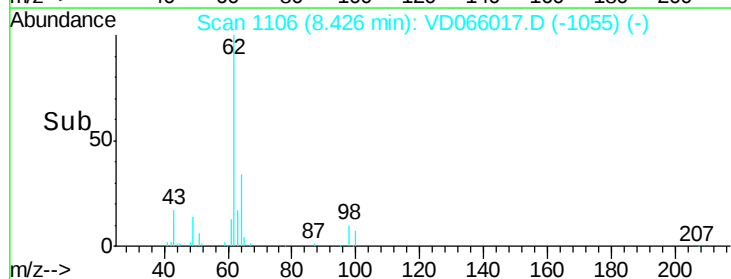
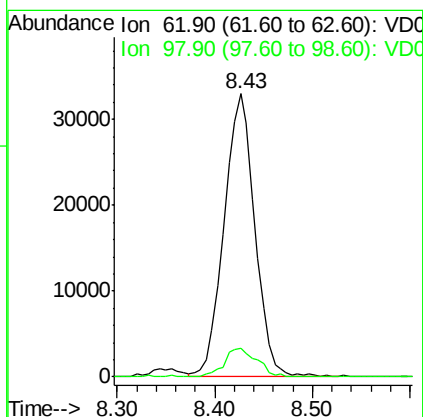
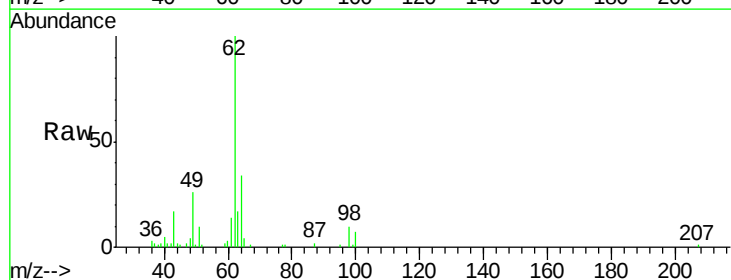
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

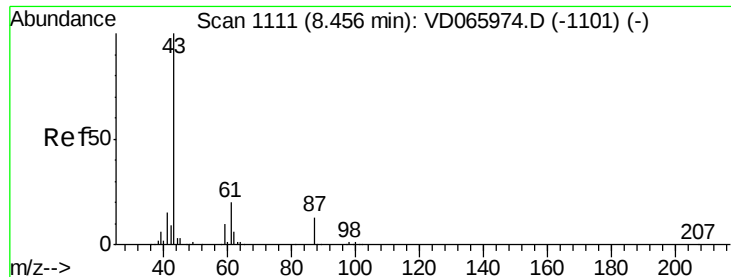
Tot Ion:	41	Resp:	14799
Ion	Ratio	Lower	Upper
41	100		
39	69.6	0.0	0.0#
67	103.0	0.0	0.0#
52	44.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 22.496 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion:	62	Resp:	71980
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0





#43

Isopropyl Acetate

Concen: 21.082 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

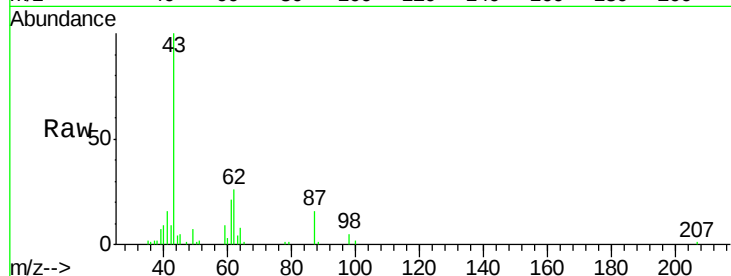
Tot Ion: 43 Resp: 65635

Ion Ratio Lower Upper

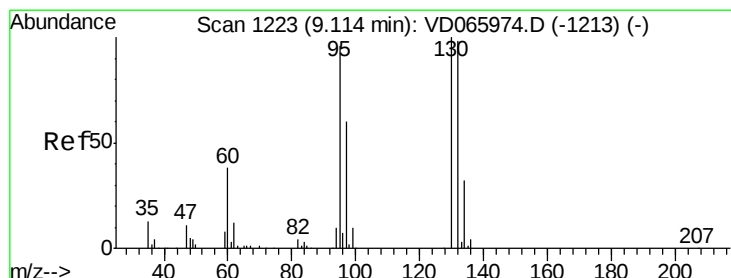
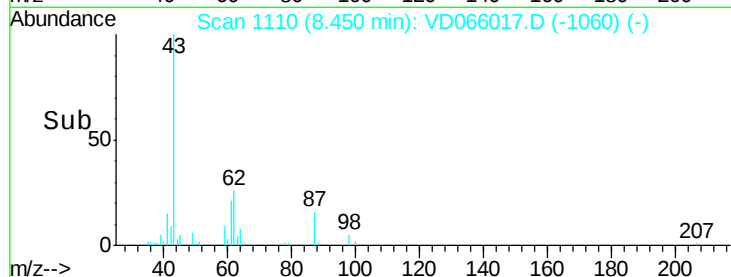
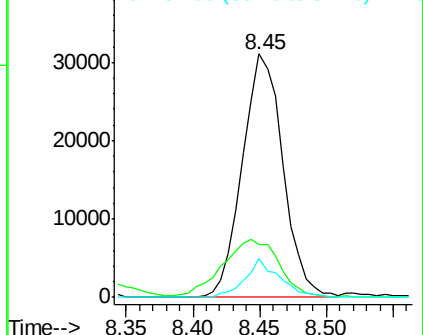
43 100

61 33.1 25.8 38.8

87 13.3 10.9 16.3



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: 22.717 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD066017.D

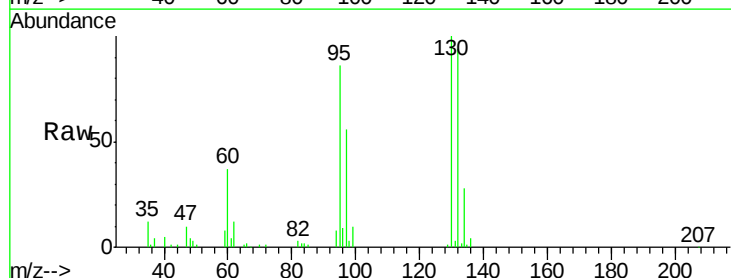
Acq: 23 Jul 2020 11:56

Tgt Ion: 130 Resp: 80273

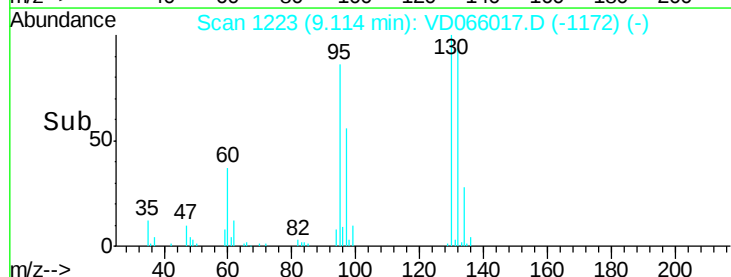
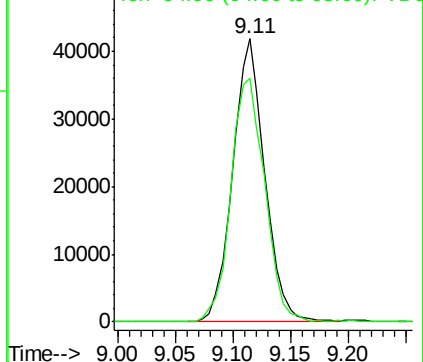
Ion Ratio Lower Upper

130 100

95 85.9 0.0 191.6



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





#45

1,2-Dichloropropane

Concen: 22.234 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

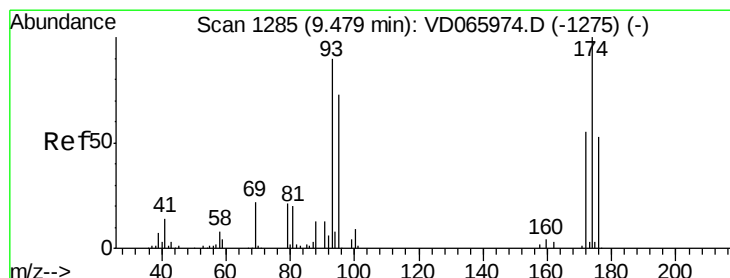
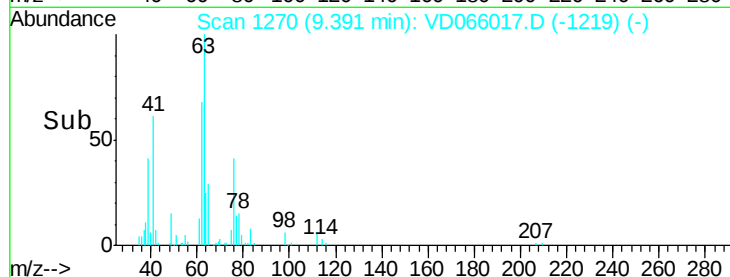
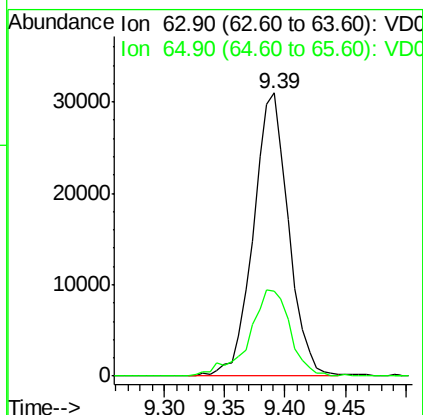
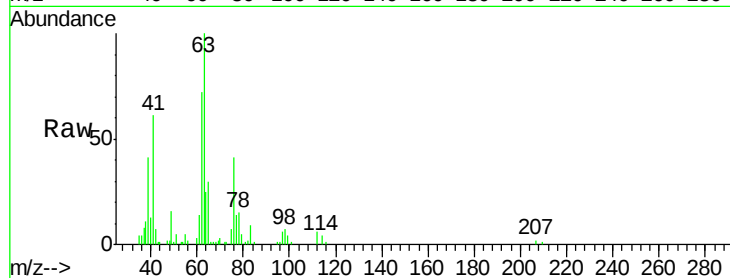
VD0723SBS01

Tot Ion: 63 Resp: 62880

Ion Ratio Lower Upper

63 100

65 30.1 24.0 36.0



#46

Dibromomethane

Concen: 21.993 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

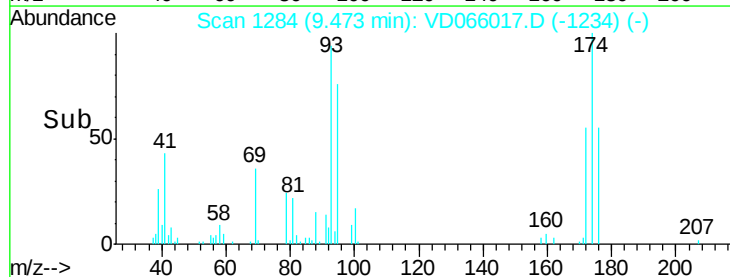
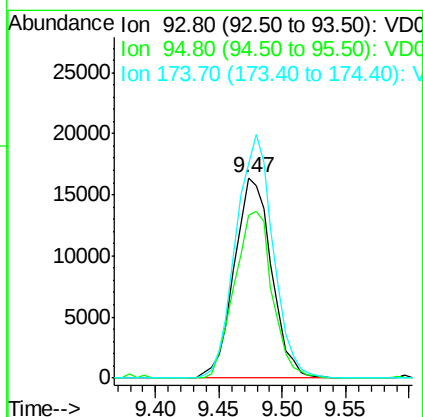
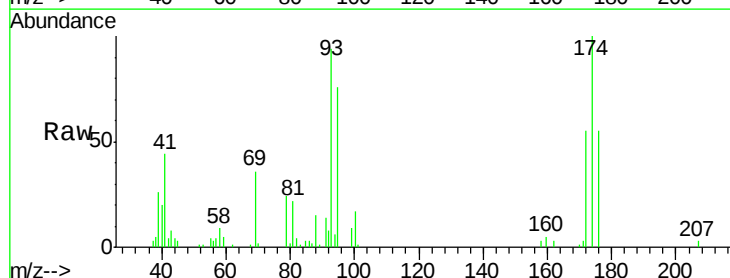
Tgt Ion: 93 Resp: 33482

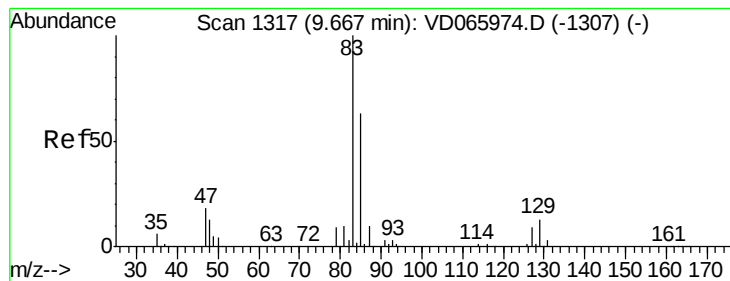
Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

174 121.2 91.5 137.3





#47

Bromodichloromethane

Concen: 22.304 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

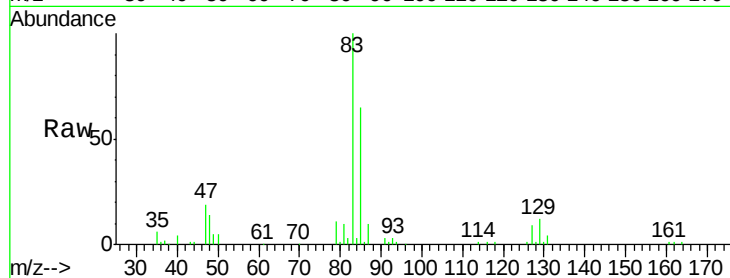
Tot Ion: 83 Resp: 89785

Ion Ratio Lower Upper

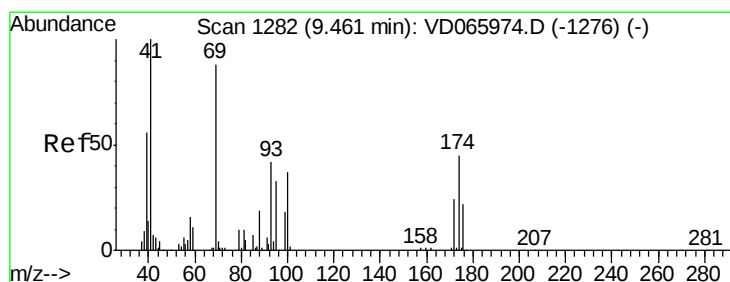
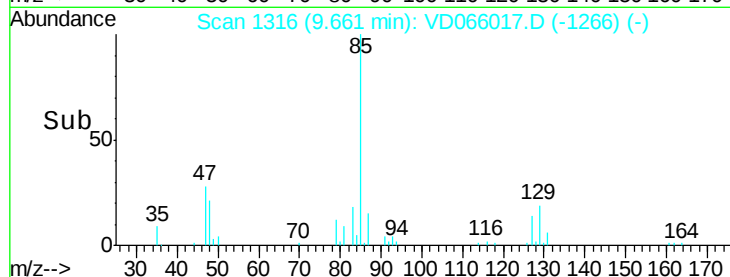
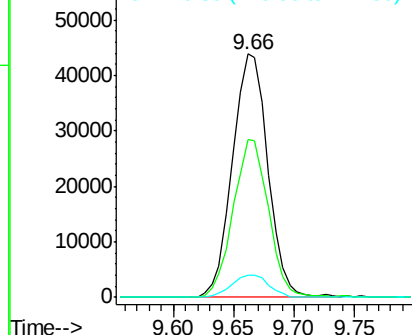
83 100

85 64.6 50.6 75.8

127 9.0 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): V



#48

Methyl methacrylate

Concen: 21.390 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

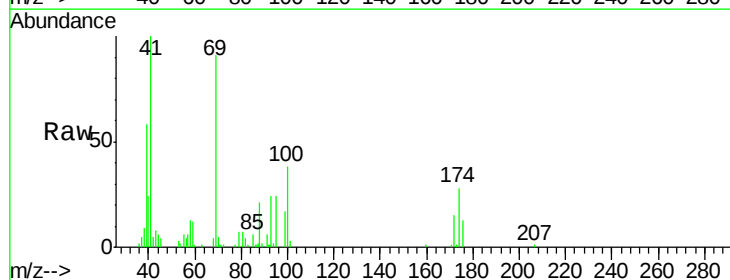
Tgt Ion: 41 Resp: 33591

Ion Ratio Lower Upper

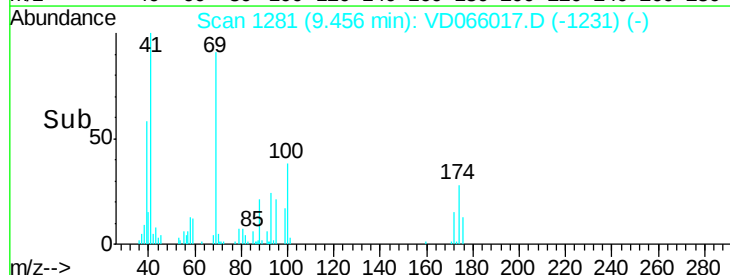
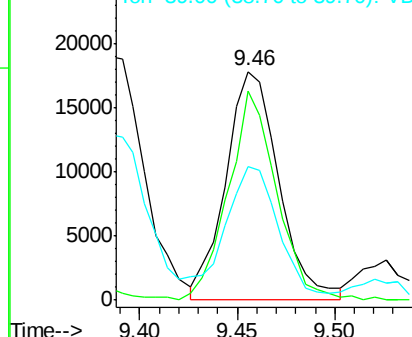
41 100

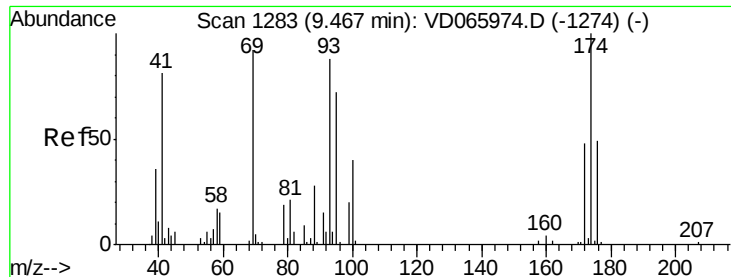
69 83.8 65.1 97.7

39 53.0 41.5 62.3



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: 435.196 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

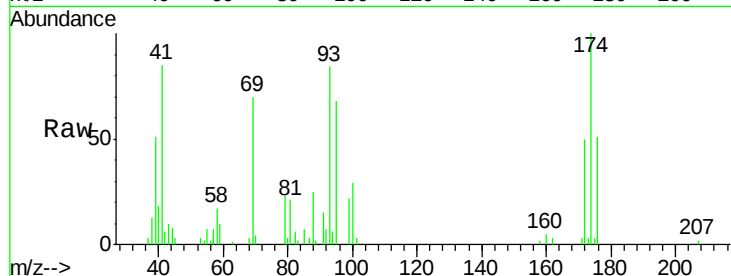
Tot Ion: 88 Resp: 7676

Ion Ratio Lower Upper

88 100

43 37.7 29.0 43.6

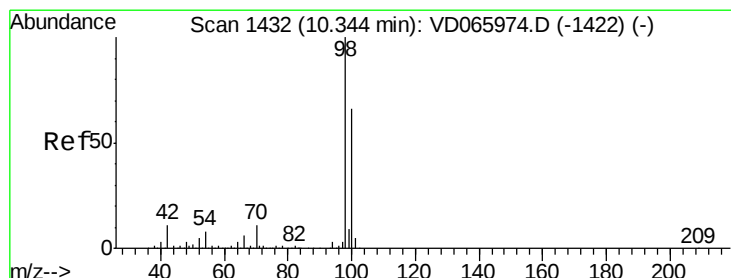
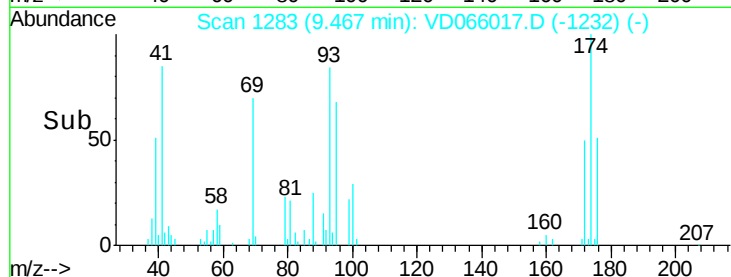
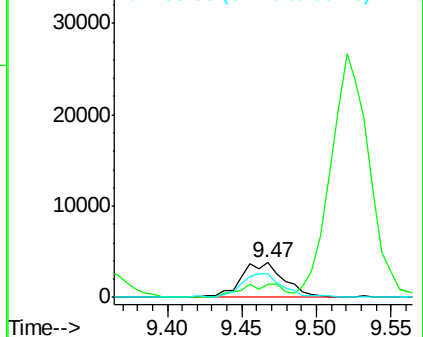
58 65.7 57.0 85.4



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: 54.654 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD066017.D

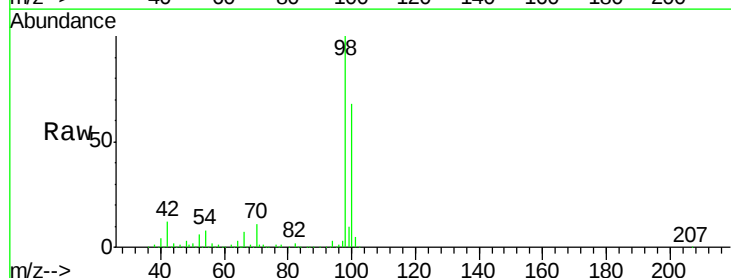
Acq: 23 Jul 2020 11:56

Tgt Ion: 98 Resp: 603922

Ion Ratio Lower Upper

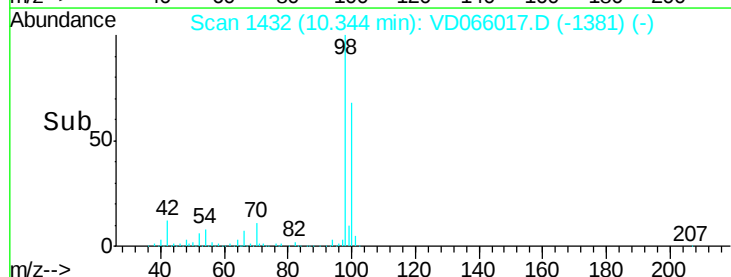
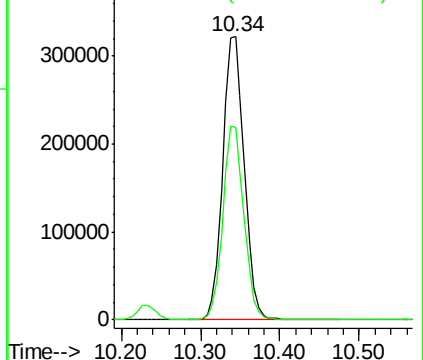
98 100

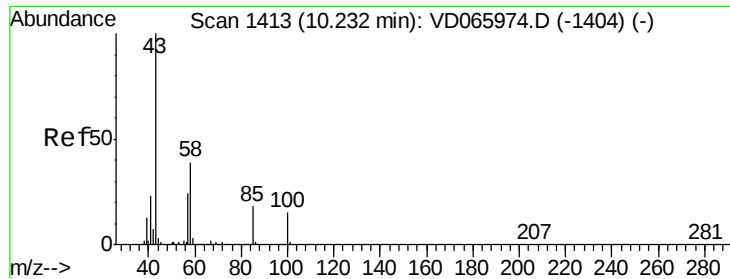
100 67.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

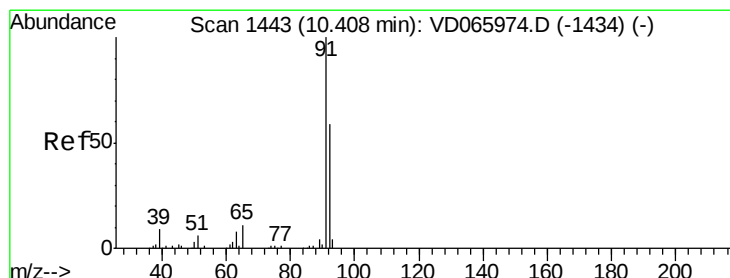
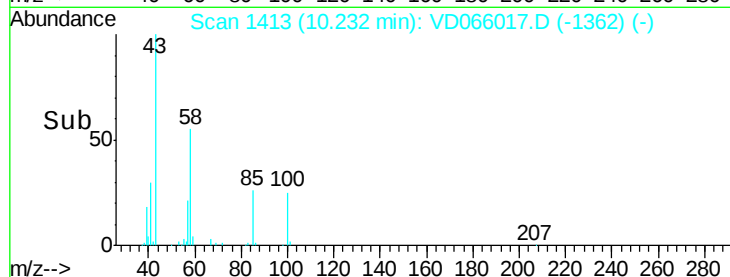
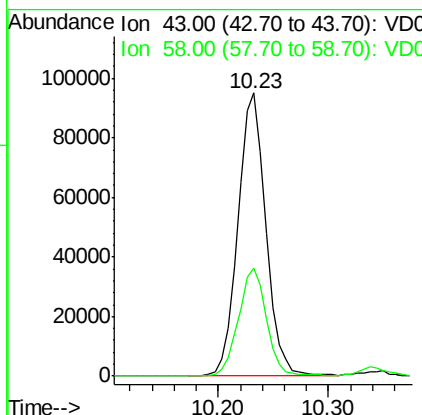
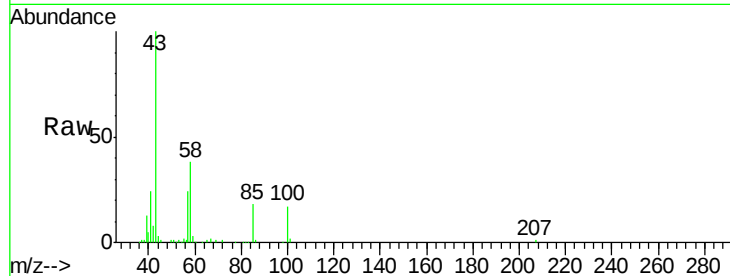




#51
4-Methyl-2-Pentanone
Concen: 107.978 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

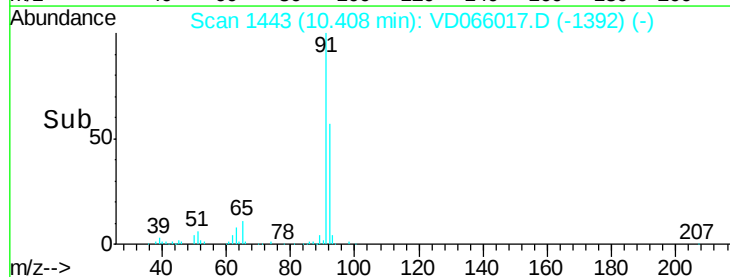
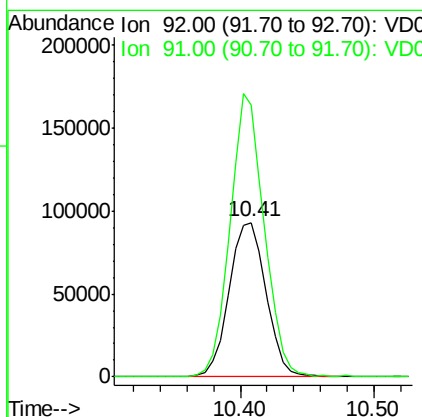
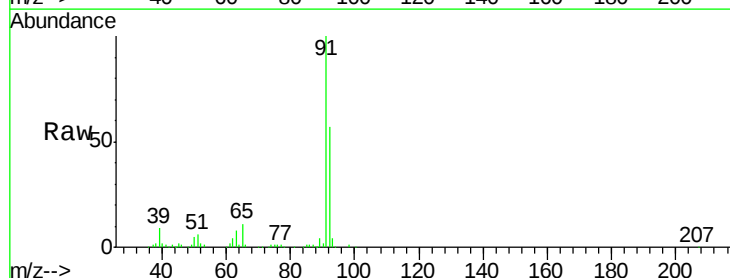
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

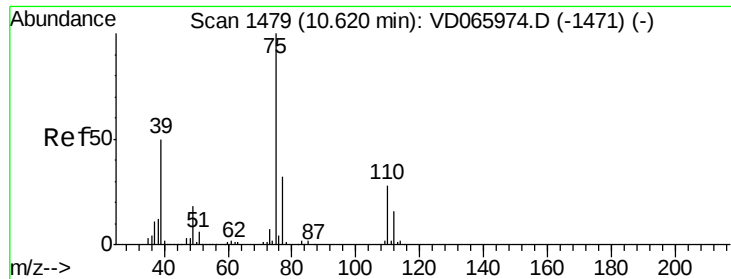
Tot Ion: 43 Resp: 169378
Ion Ratio Lower Upper
43 100
58 38.3 31.3 46.9



#52
Toluene
Concen: 23.535 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 92 Resp: 179216
Ion Ratio Lower Upper
92 100
91 168.9 134.5 201.7

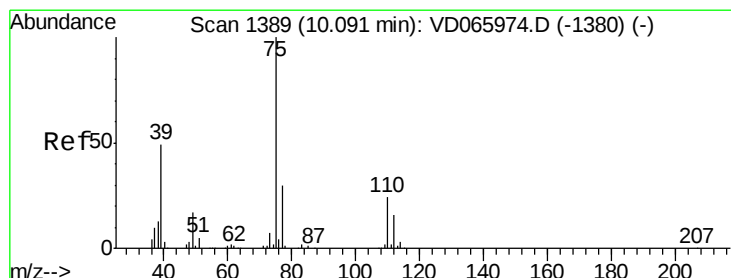
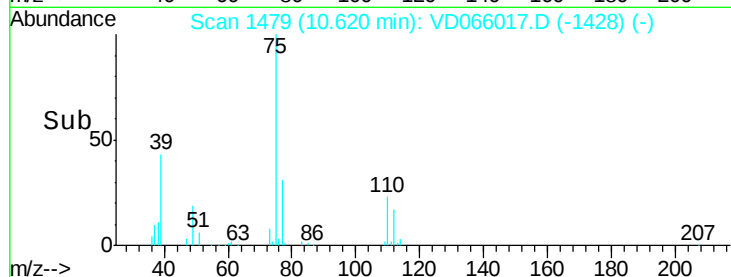
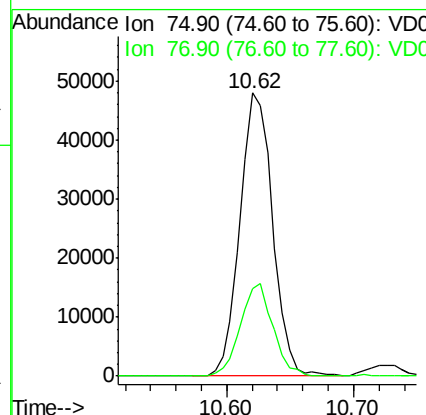
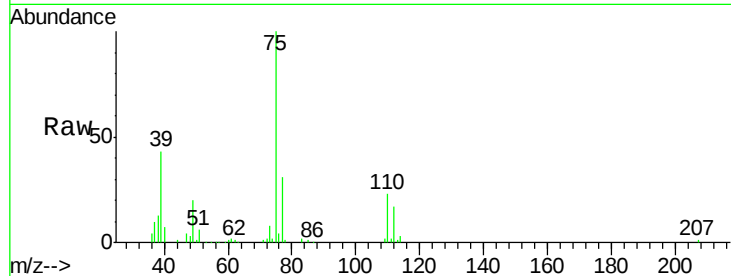




#53
 t-1,3-Dichloropropene
 Concen: 22.919 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

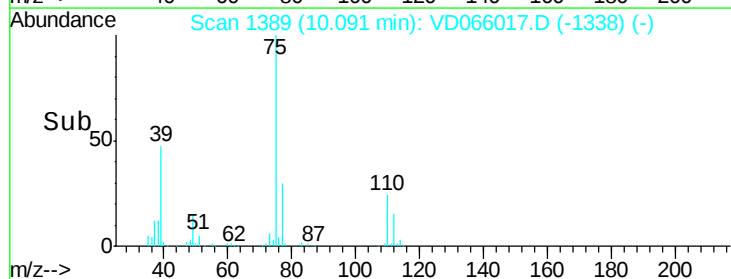
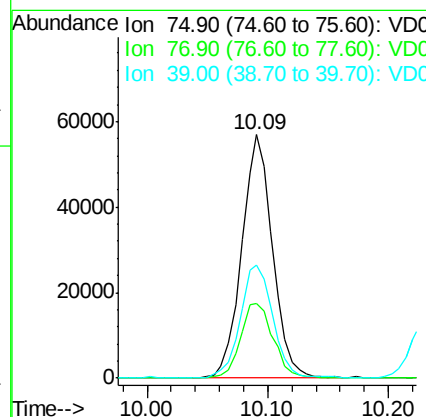
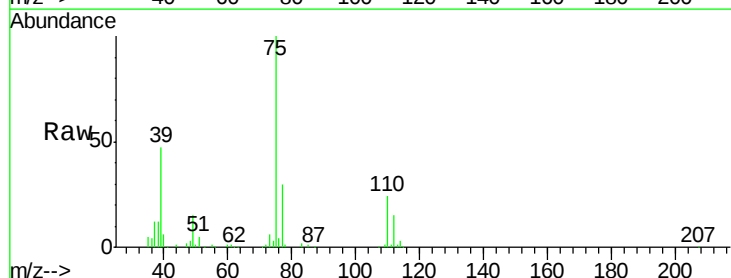
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

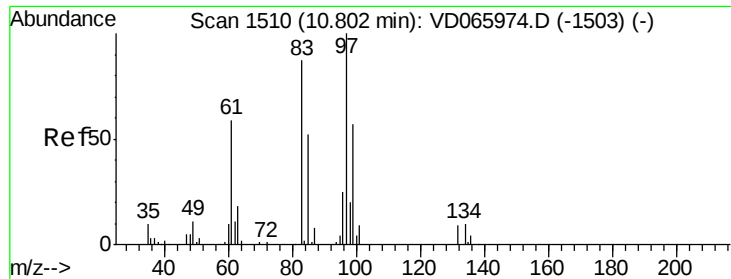
Tot Ion: 75 Resp: 85951
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 22.223 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 75 Resp: 101027
 Ion Ratio Lower Upper
 75 100
 77 30.4 23.8 35.8
 39 46.6 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 22.196 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 97 Resp: 47925

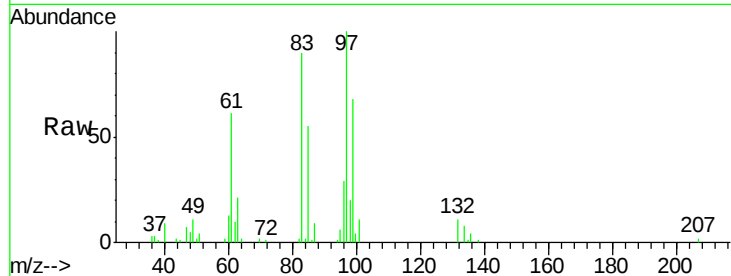
Ion Ratio Lower Upper

97 100

83 90.4 69.7 104.5

85 55.4 41.6 62.4

99 68.3 45.9 68.9

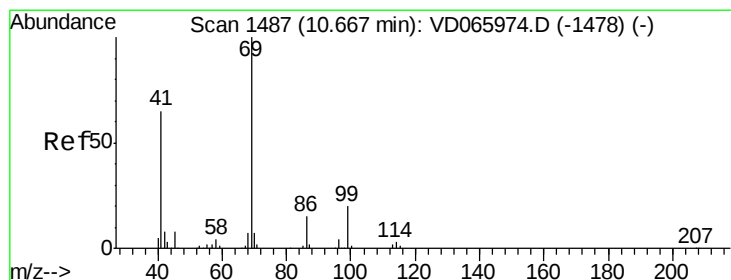
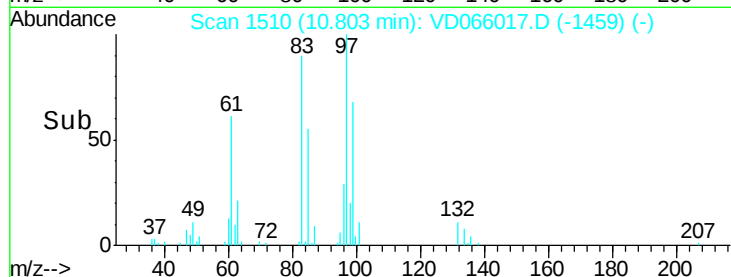
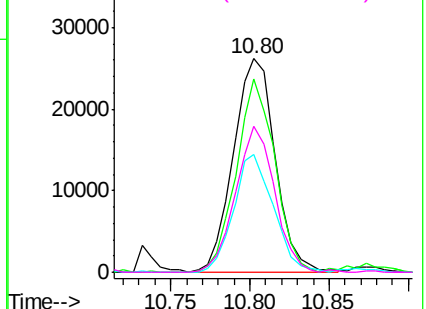


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.862 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

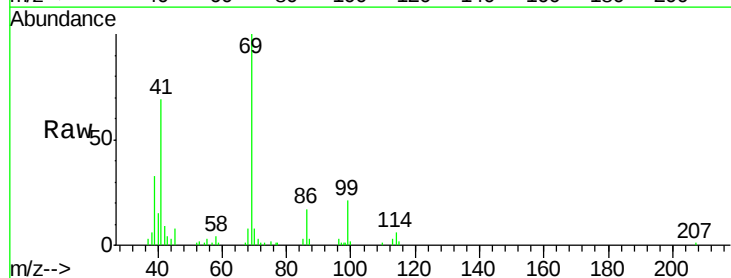
Tgt Ion: 69 Resp: 54882

Ion Ratio Lower Upper

69 100

41 67.6 52.3 78.5

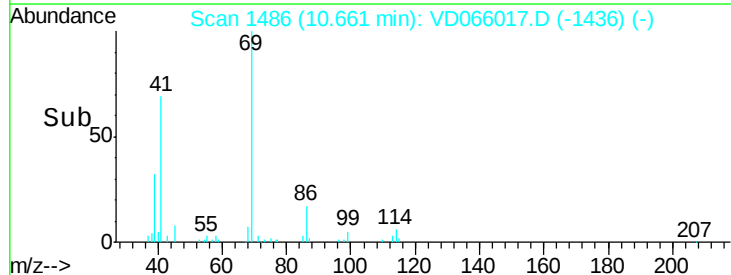
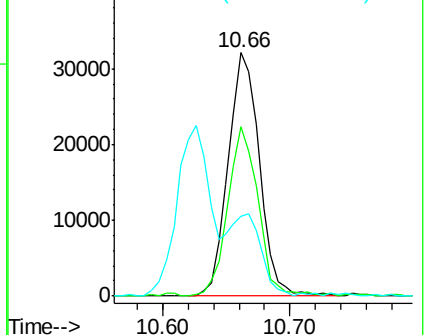
39 30.9 25.2 37.8

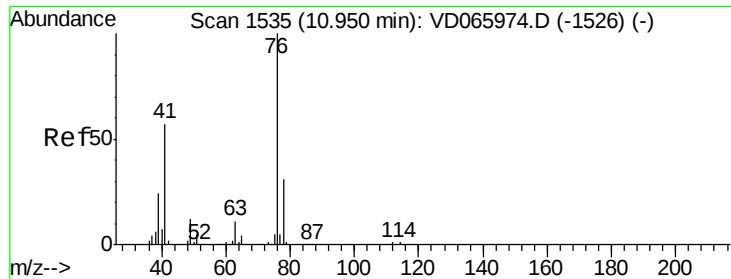


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

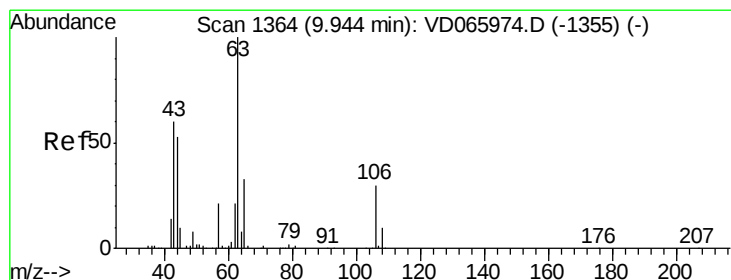
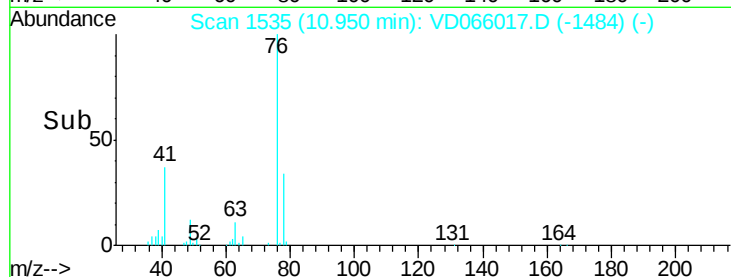
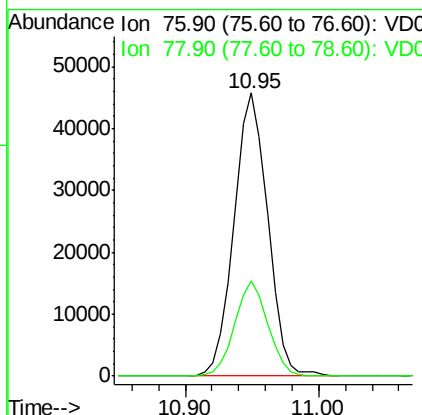
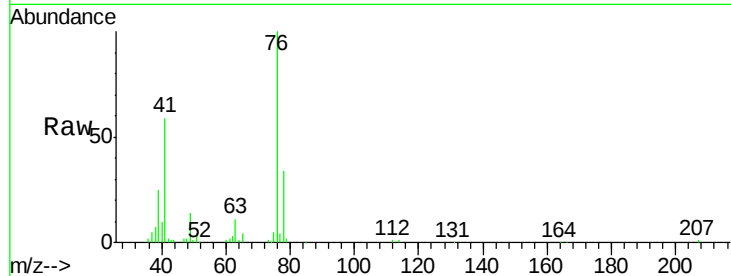




#57
 1,3-Dichloropropane
 Concen: 22.397 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

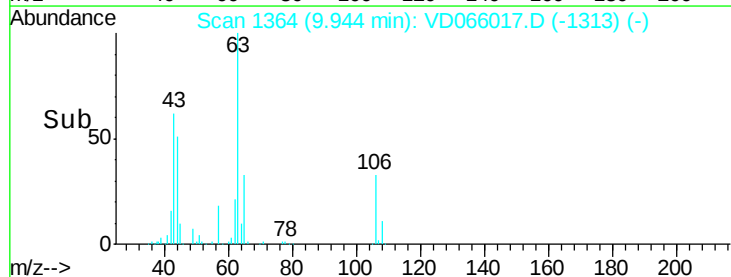
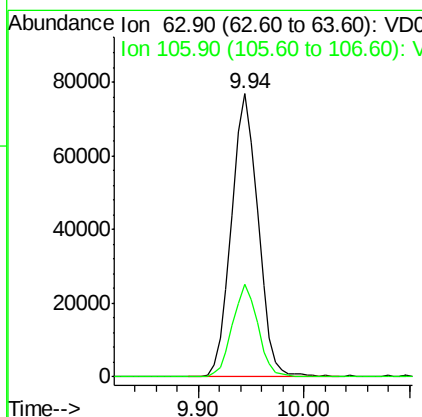
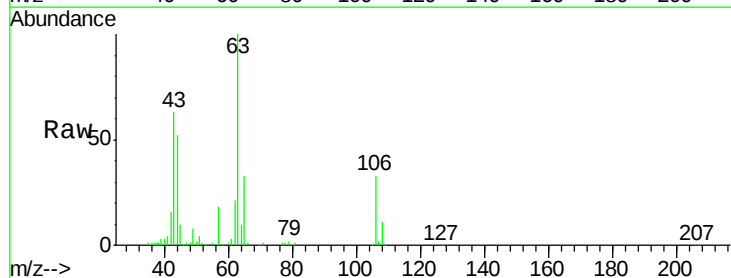
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

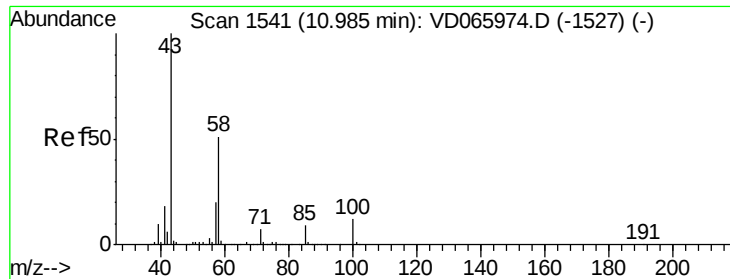
Tot Ion: 76 Resp: 80057
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.525 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 63 Resp: 133742
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.4 36.6

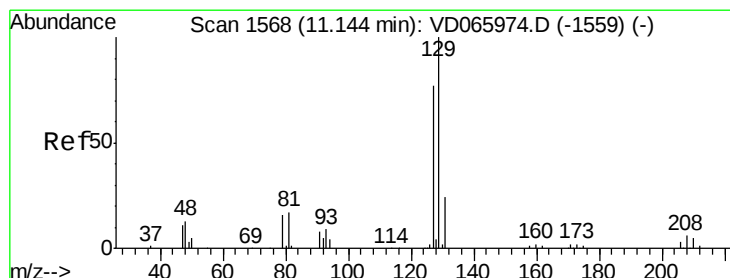
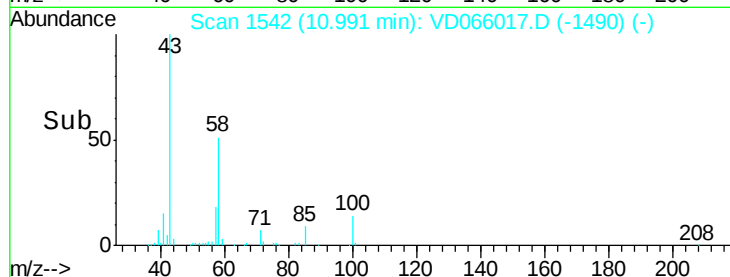
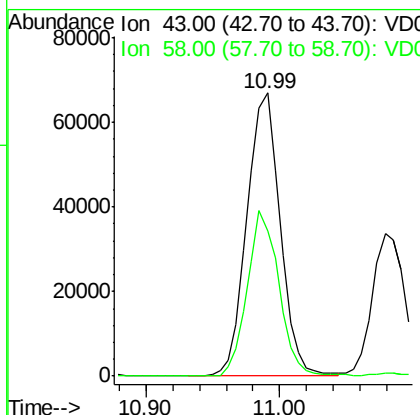
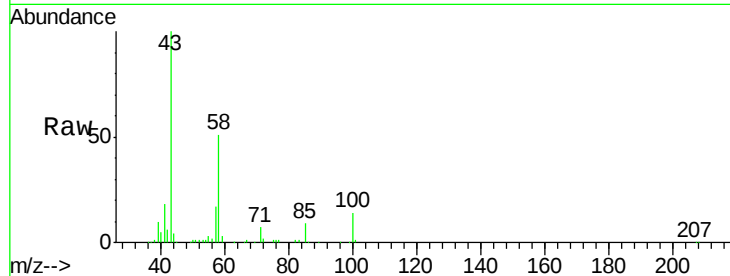




#59
2-Hexanone
Concen: 106.277 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

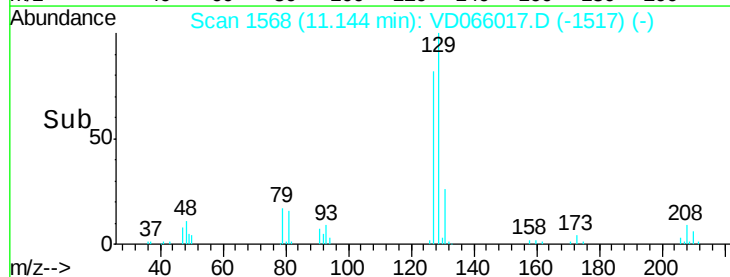
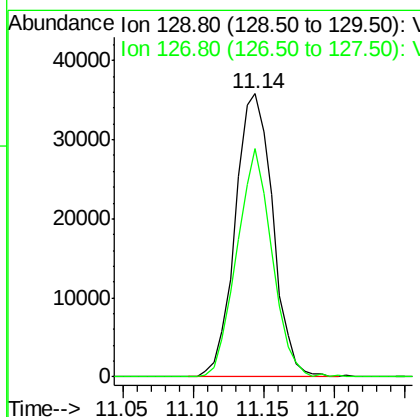
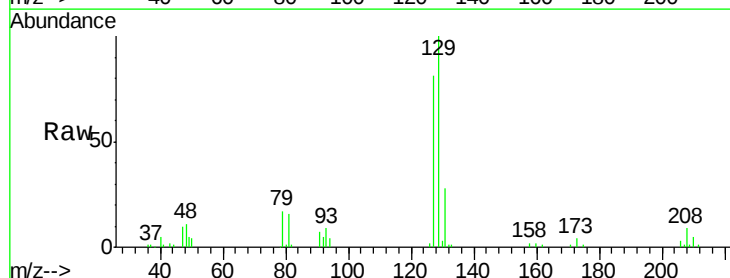
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

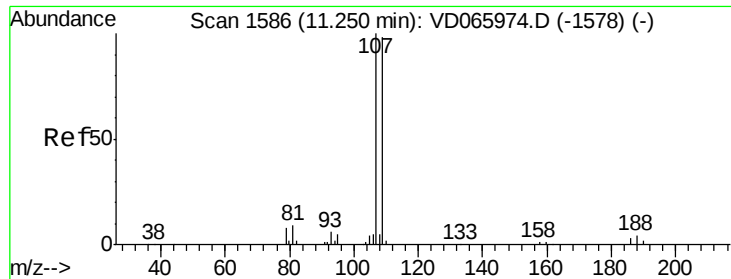
Tot Ion: 43 Resp: 115527
Ion Ratio Lower Upper
43 100
58 55.1 26.2 78.6



#60
Dibromochloromethane
Concen: 22.912 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 129 Resp: 66701
Ion Ratio Lower Upper
129 100
127 75.5 38.6 115.7

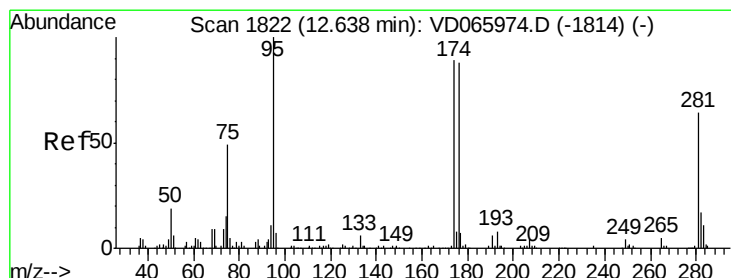
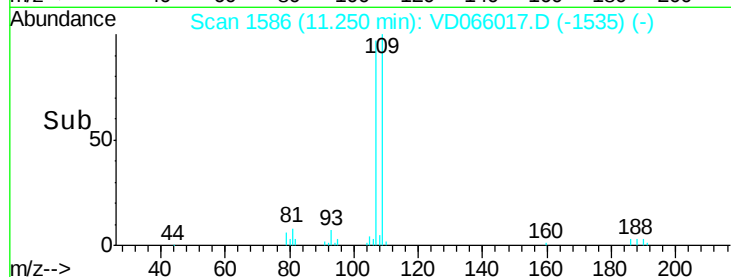
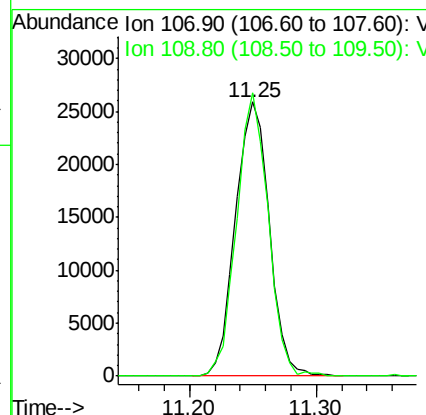
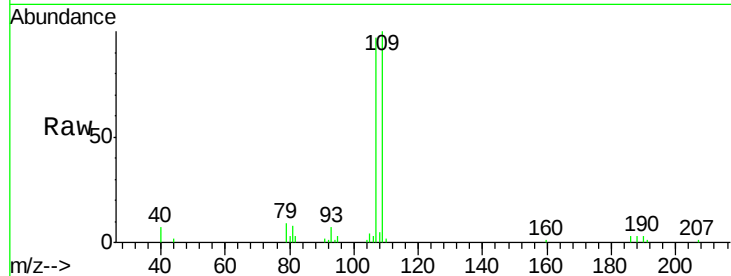




#61
 1,2-Dibromoethane
 Concen: 23.028 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

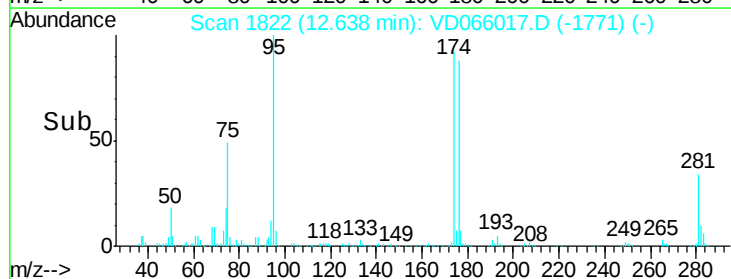
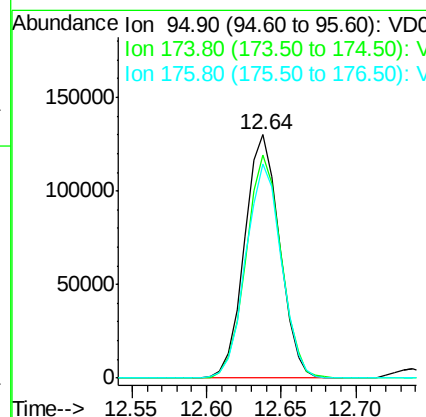
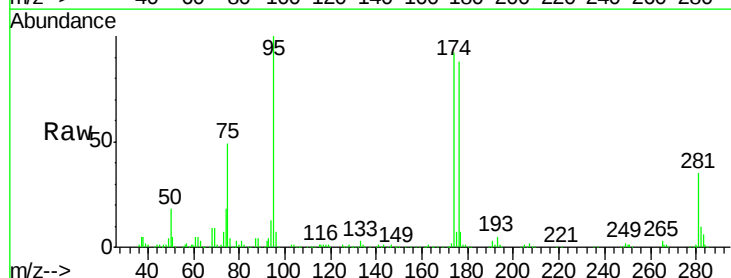
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

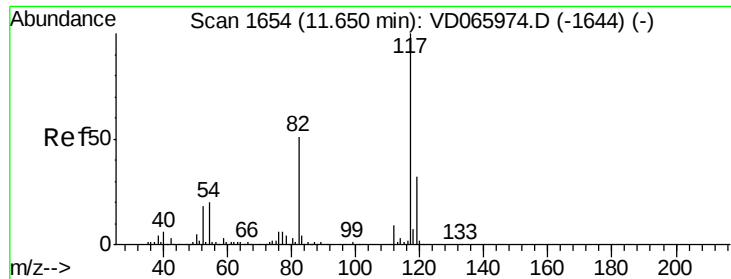
Tot Ion: 107 Resp: 47940
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 55.107 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 95 Resp: 211138
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 178.8
 176 89.1 0.0 172.6

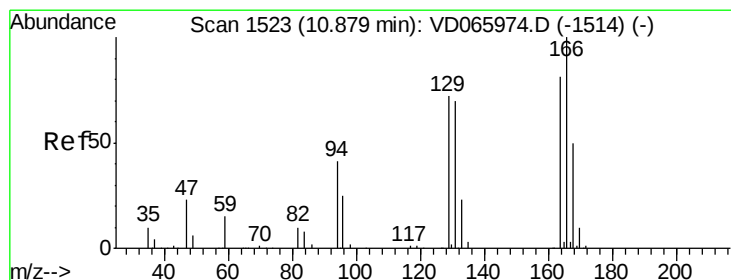
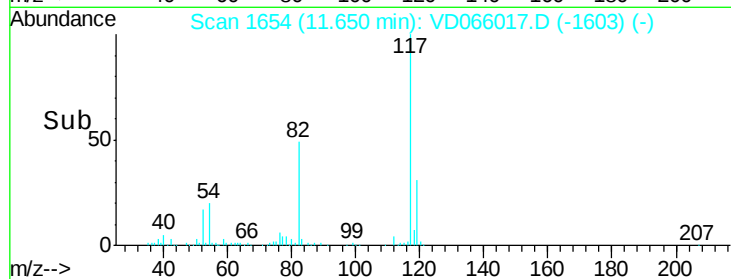
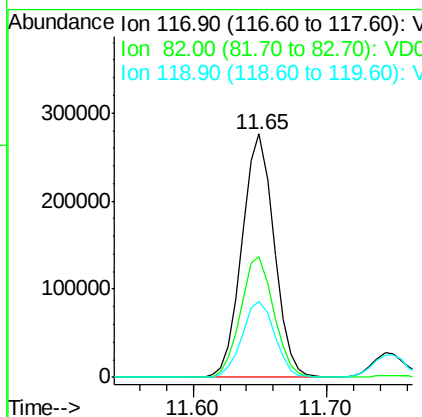
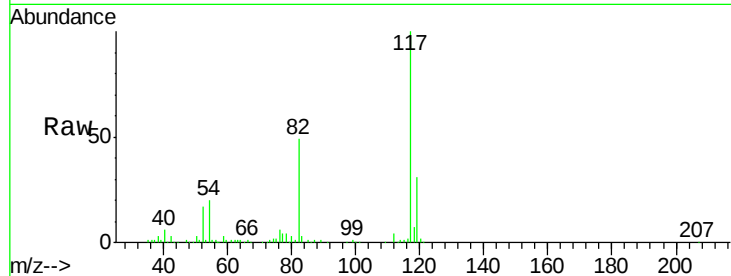




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

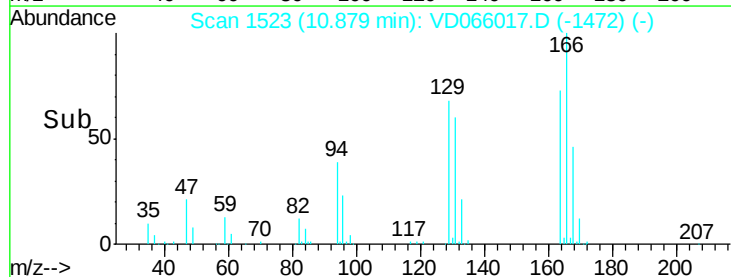
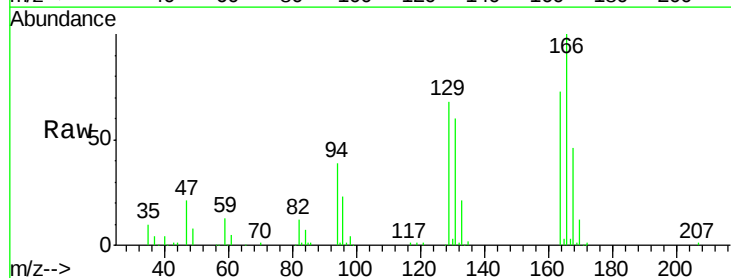
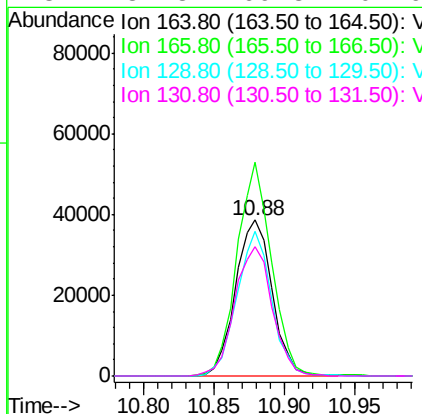
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

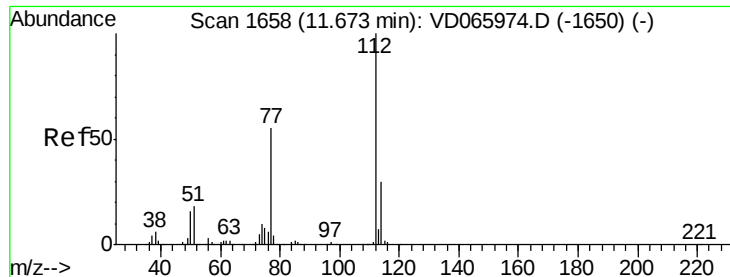
Tot Ion:117 Resp: 458460
Ion Ratio Lower Upper
117 100
82 49.4 41.1 61.7
119 31.3 25.9 38.9



#64
Tetrachloroethene
Concen: 22.591 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion:164 Resp: 70296
Ion Ratio Lower Upper
164 100
166 137.2 99.1 148.7
129 92.9 71.5 107.3
131 82.8 69.8 104.6

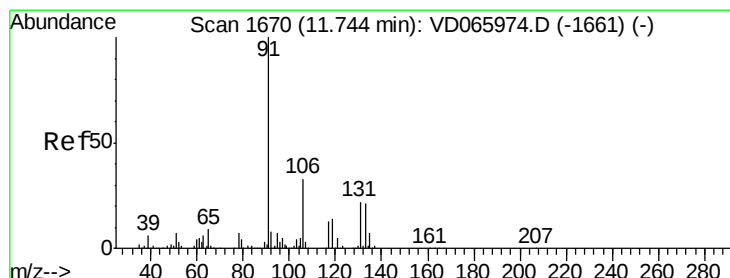
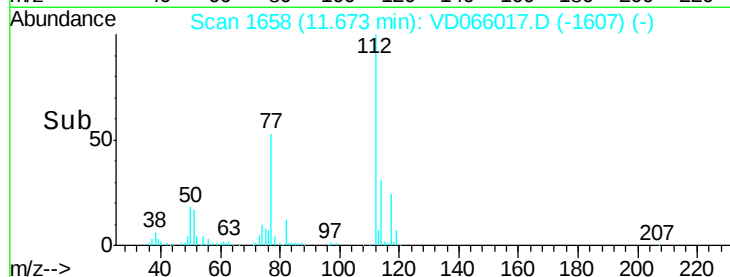
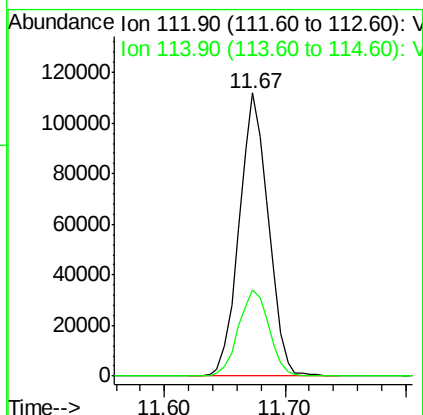
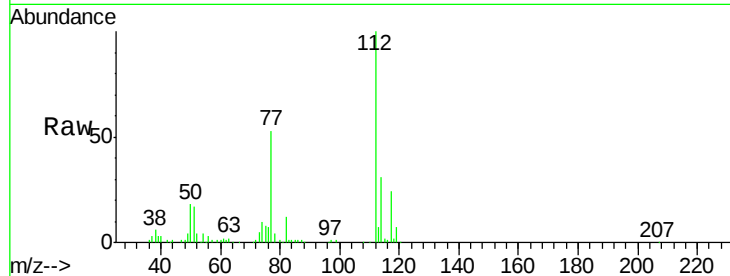




#65
Chlorobenzene
Concen: 22.431 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

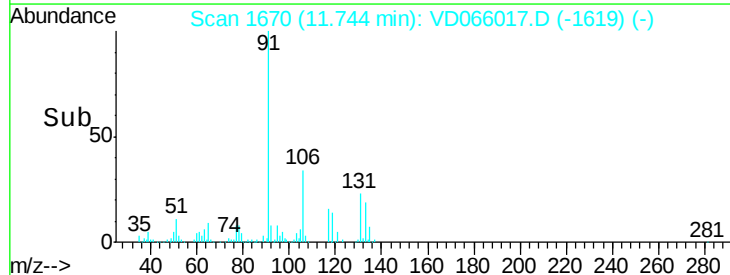
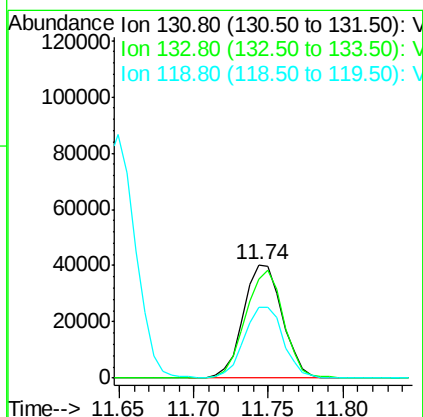
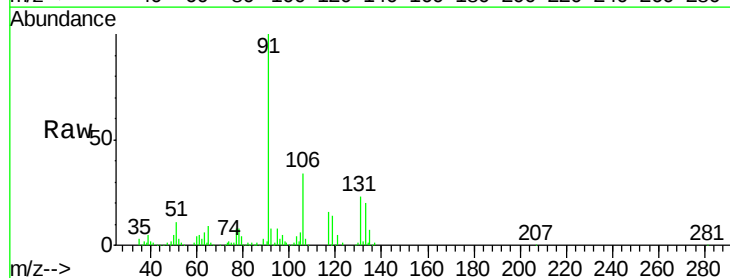
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

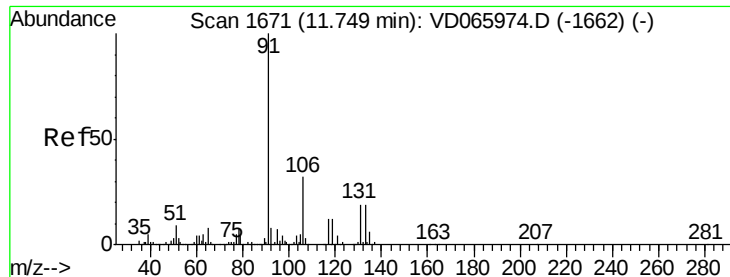
Tot Ion:112 Resp: 188292
Ion Ratio Lower Upper
112 100
114 30.7 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 23.470 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion:131 Resp: 72745
Ion Ratio Lower Upper
131 100
133 93.2 47.3 142.0
119 63.0 31.7 95.1





#67

Ethyl Benzene

Concen: 22.597 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

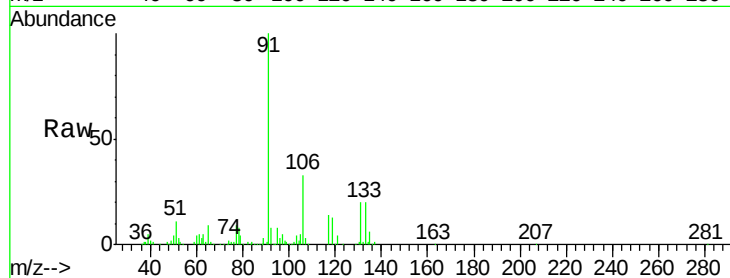
VD0723SBS01

Tot Ion: 91 Resp: 326431

Ion Ratio Lower Upper

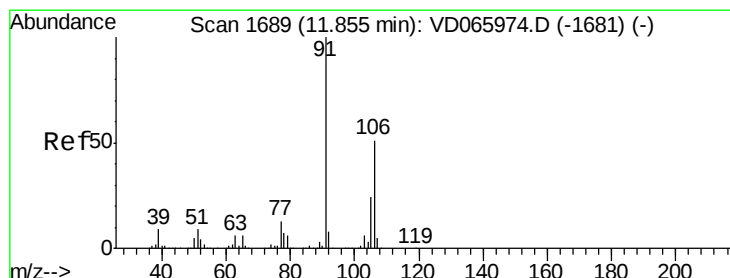
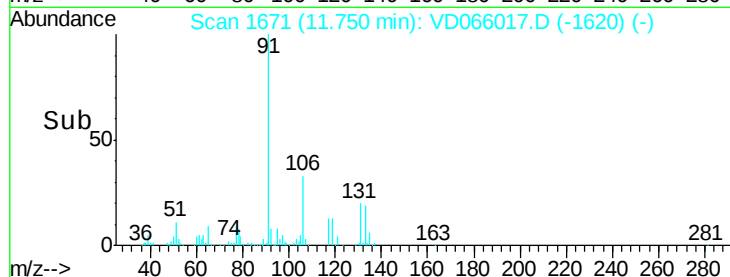
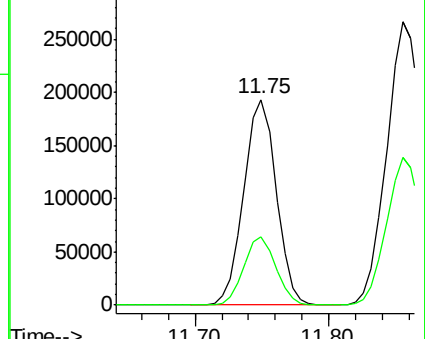
91 100

106 33.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065974.D (-1662) (-)



#68

m/p-Xylenes

Concen: 46.847 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066017.D

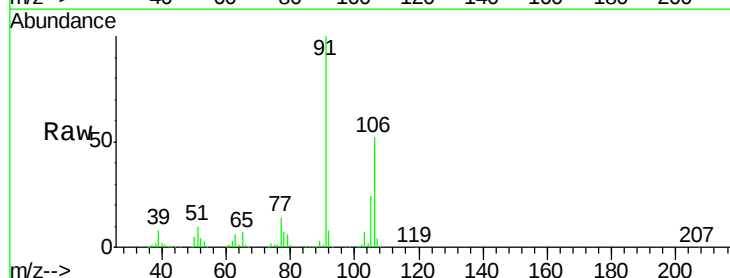
Acq: 23 Jul 2020 11:56

Tgt Ion: 106 Resp: 260108

Ion Ratio Lower Upper

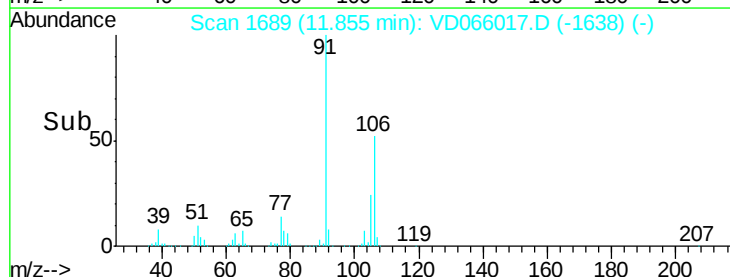
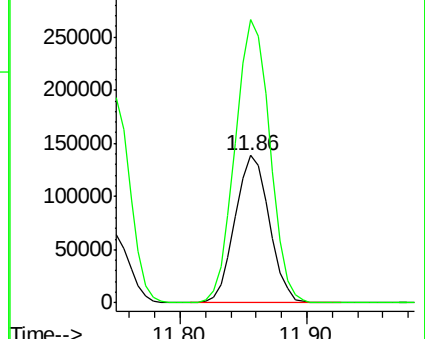
106 100

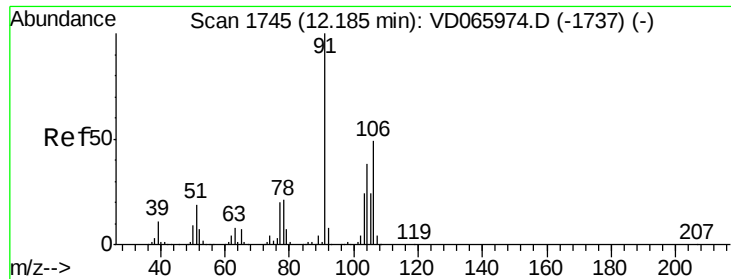
91 195.1 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VD065974.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD065974.D (-1681) (-)

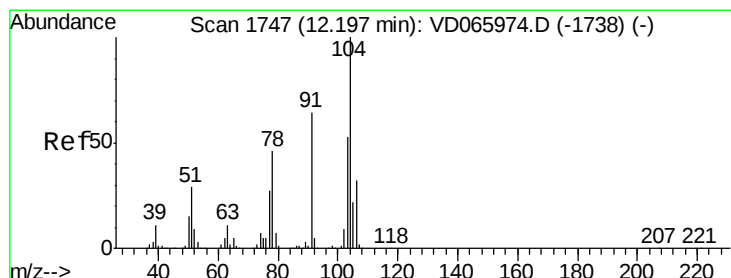
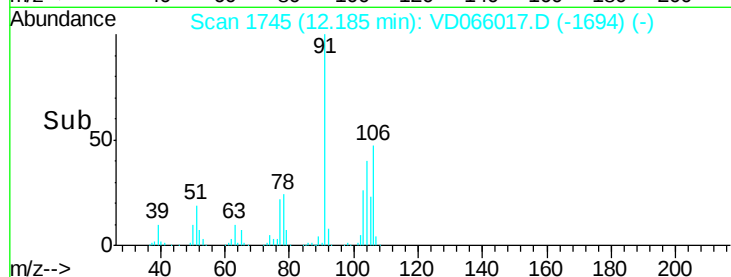
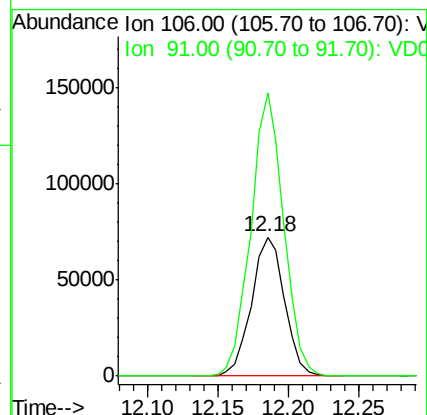
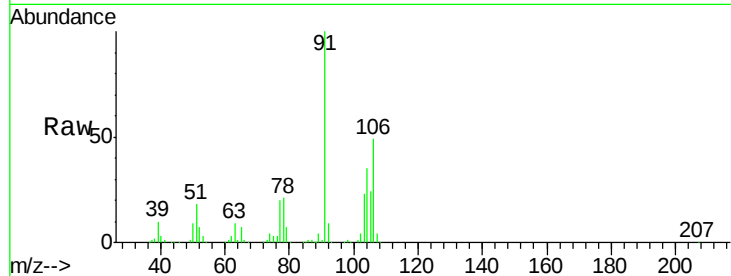




#69
o-Xylene
Concen: 23.626 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

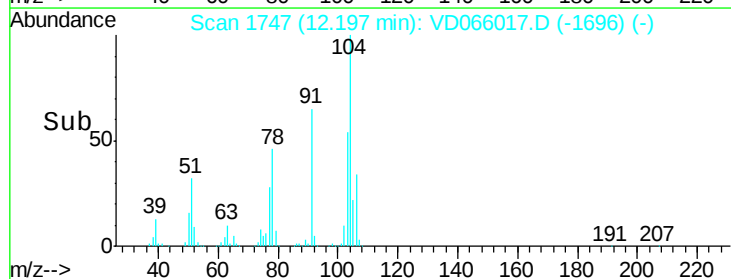
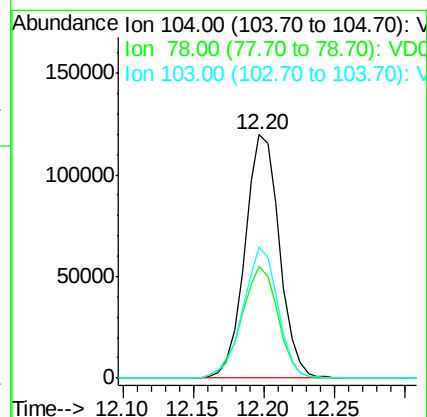
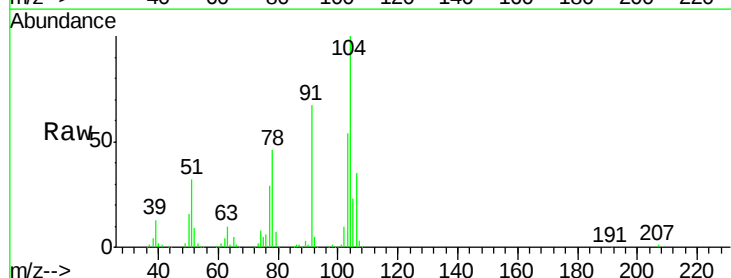
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

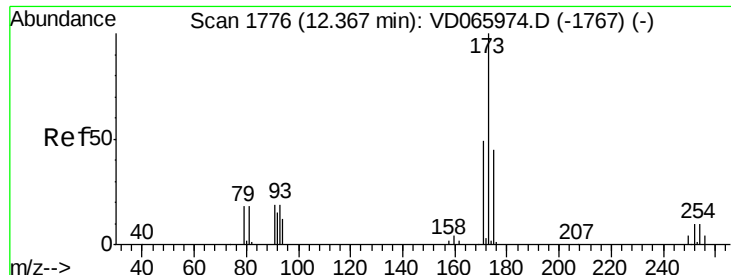
Tot Ion:106 Resp: 119311
Ion Ratio Lower Upper
106 100
91 201.4 103.1 309.3



#70
Styrene
Concen: 23.577 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion:104 Resp: 204575
Ion Ratio Lower Upper
104 100
78 48.5 38.3 57.5
103 54.5 43.8 65.8





#71

Bromoform

Concen: 22.884 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

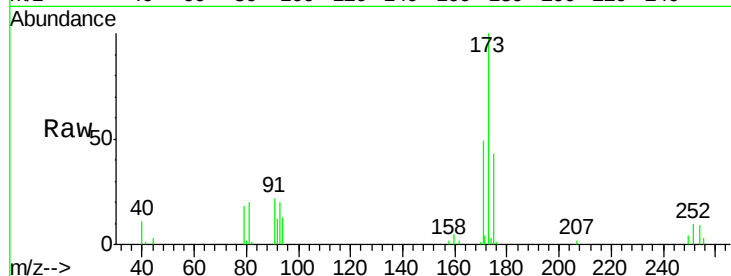
Tot Ion:173 Resp: 41547

Ion Ratio Lower Upper

173 100

175 46.0 24.1 72.3

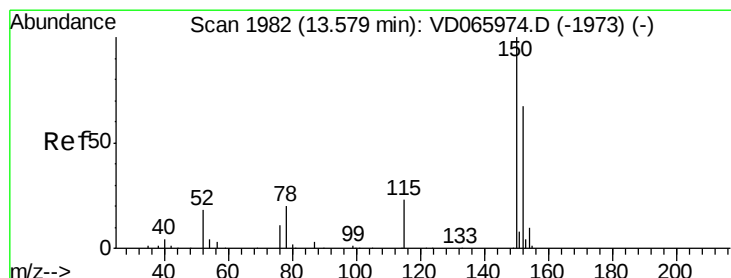
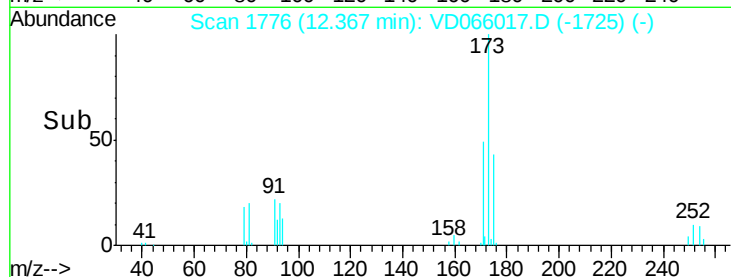
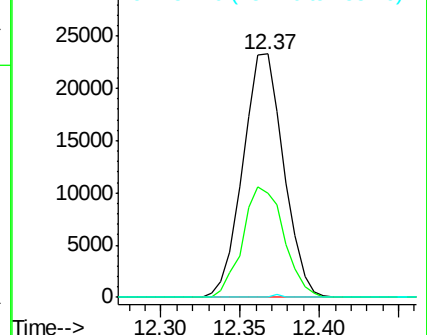
254 0.2 0.0 0.0#



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: VD066017.D

Acq: 23 Jul 2020 11:56

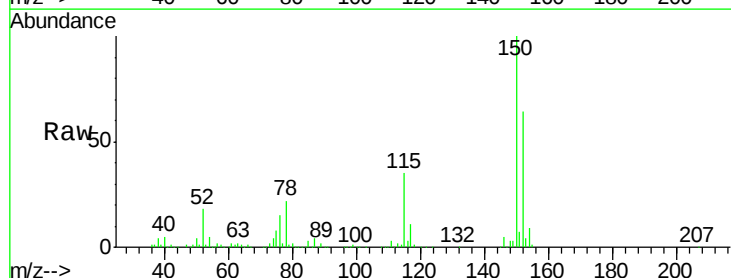
Tgt Ion:152 Resp: 239625

Ion Ratio Lower Upper

152 100

115 54.2 27.9 83.7

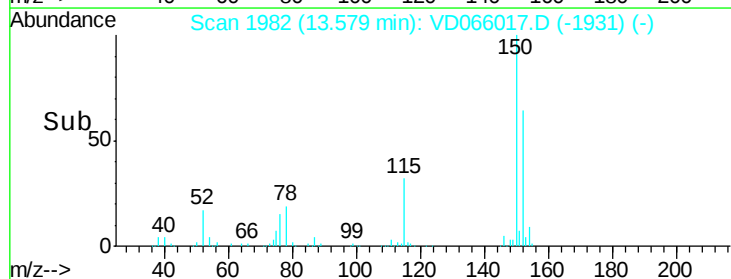
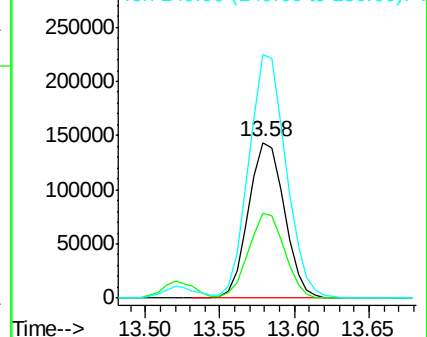
150 162.1 0.0 348.2

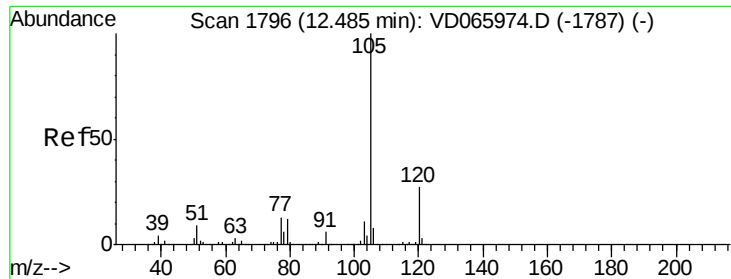


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.305 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

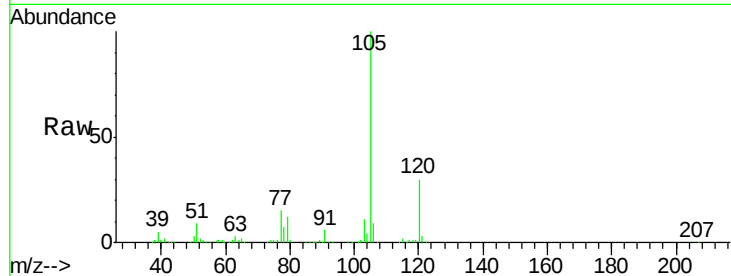
VD0723SBS01

Tot Ion:105 Resp: 323413

Ion Ratio Lower Upper

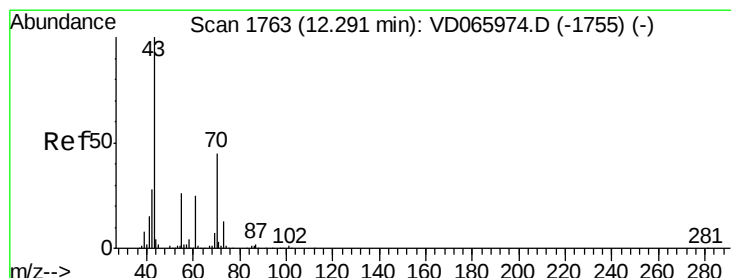
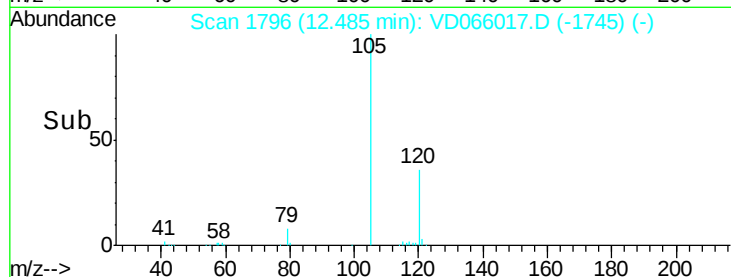
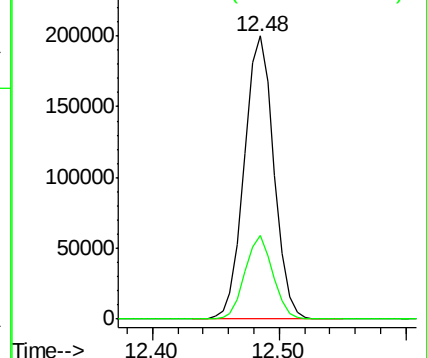
105 100

120 27.9 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.425 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion: 43 Resp: 64412

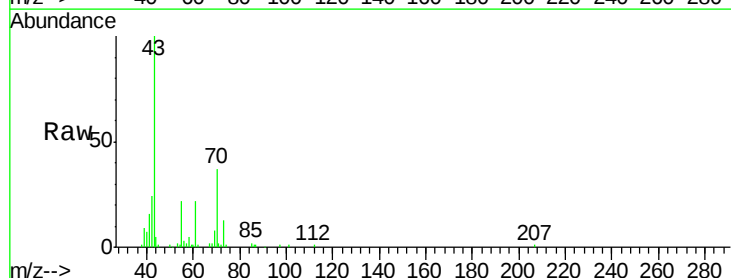
Ion Ratio Lower Upper

43 100

70 42.3 34.6 51.8

55 25.1 20.3 30.5

61 23.2 19.5 29.3

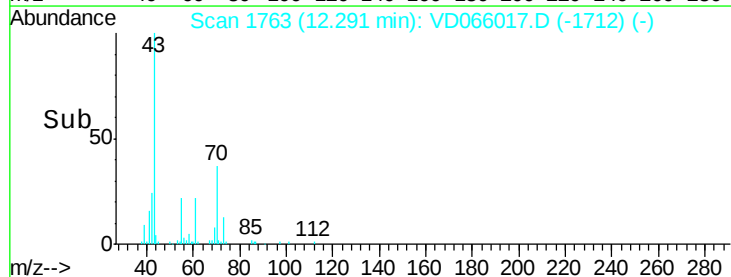
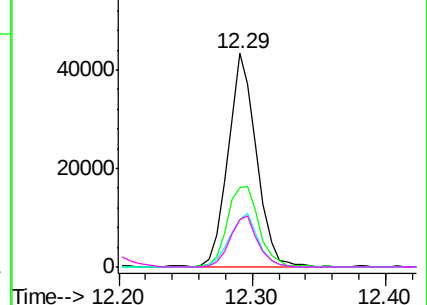


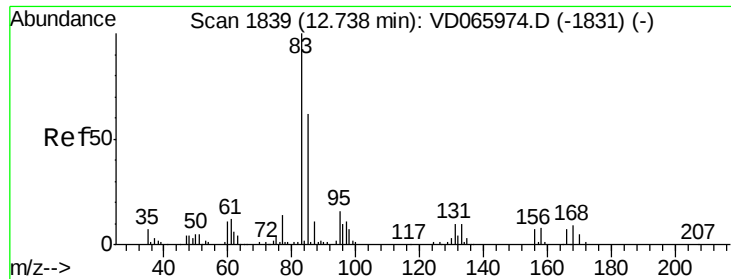
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.752 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

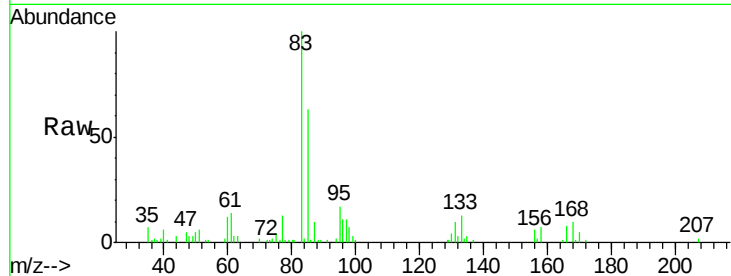
Tot Ion: 83 Resp: 52124

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.1

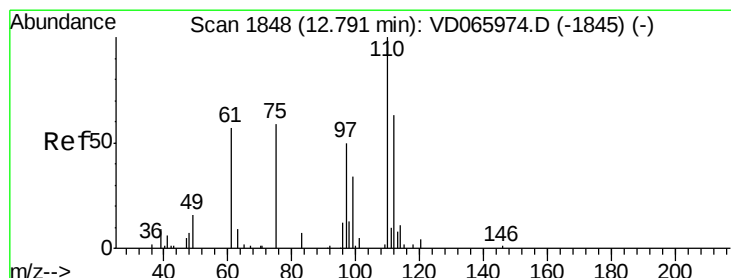
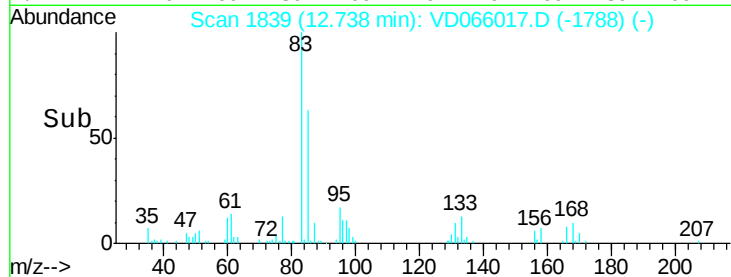
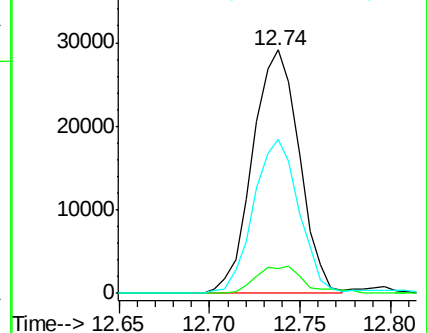
85 61.8 31.9 95.5



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: 36.300 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD066017.D

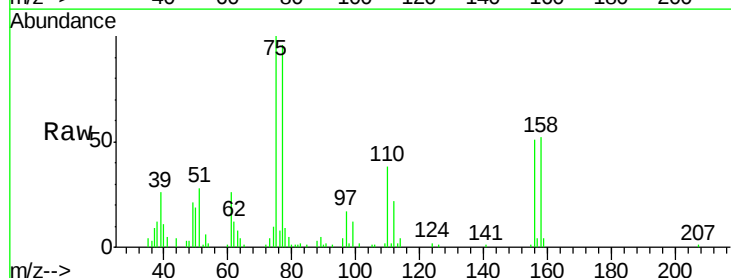
Acq: 23 Jul 2020 11:56

Tgt Ion: 75 Resp: 65494

Ion Ratio Lower Upper

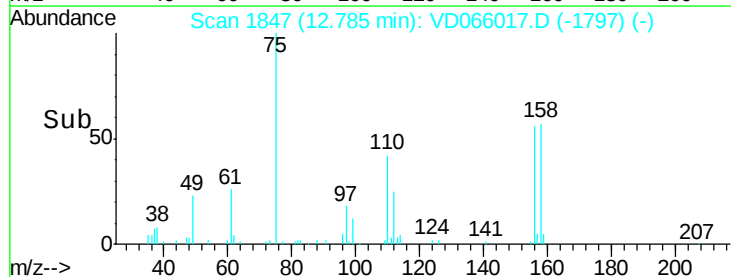
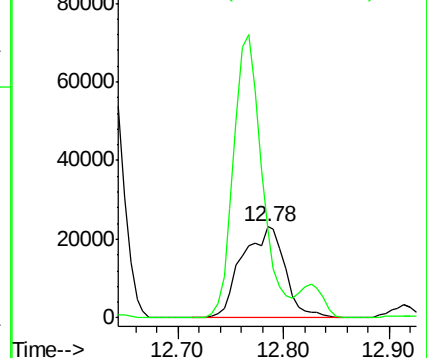
75 100

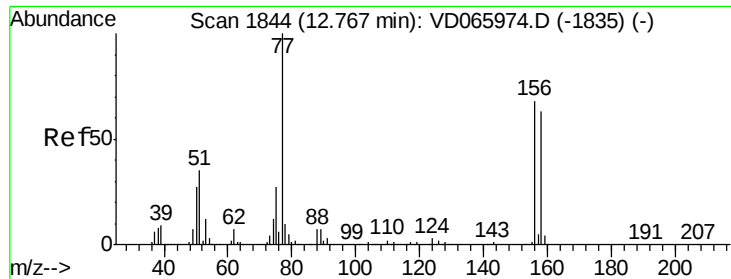
77 206.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.689 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

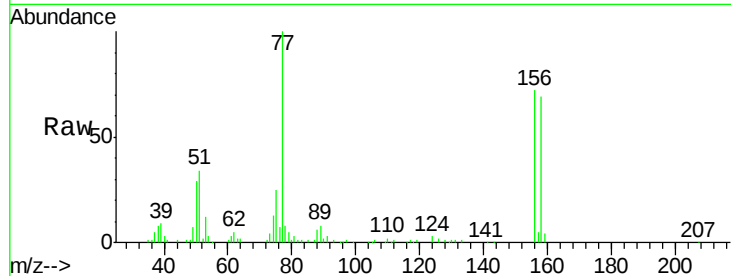
Tot Ion:156 Resp: 84075

Ion Ratio Lower Upper

156 100

77 161.0 83.0 249.0

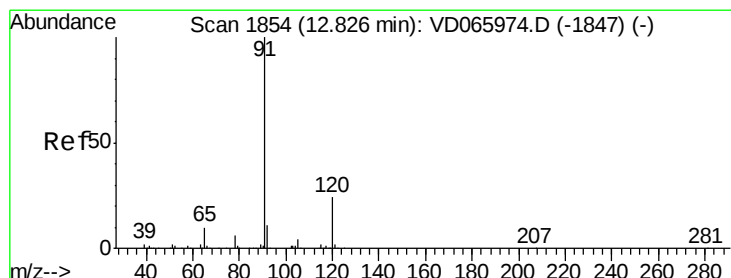
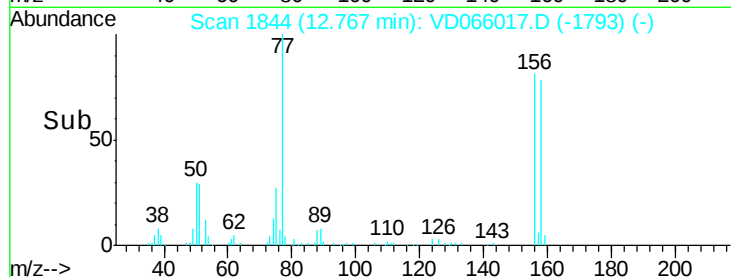
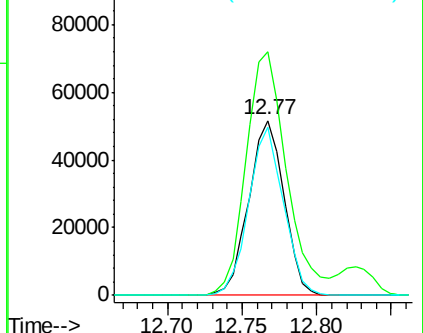
158 94.8 48.2 144.6



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: 22.863 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD066017.D

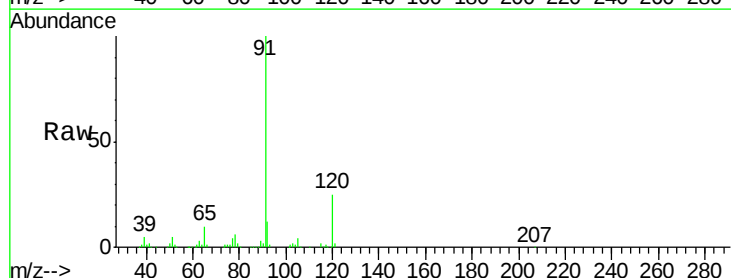
Acq: 23 Jul 2020 11:56

Tgt Ion: 91 Resp: 384675

Ion Ratio Lower Upper

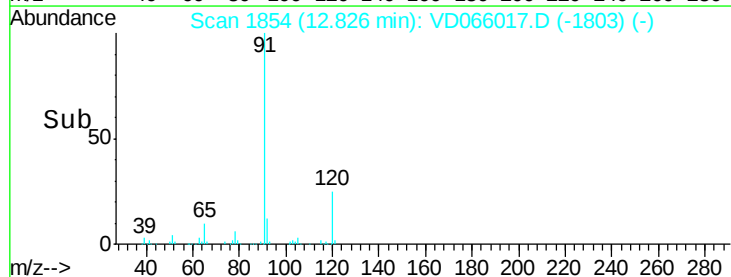
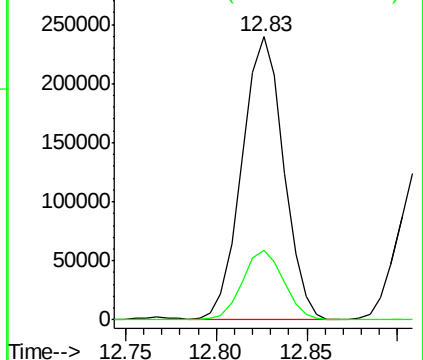
91 100

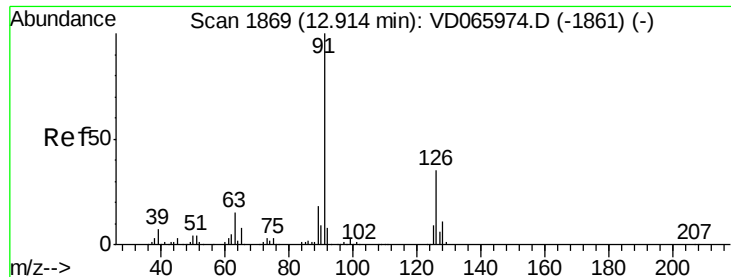
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.589 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

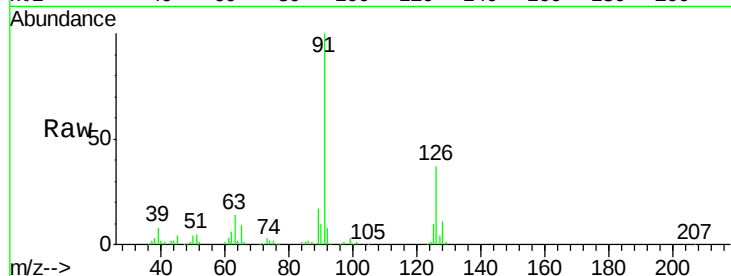
VD0723SBS01

Tot Ion: 91 Resp: 217141

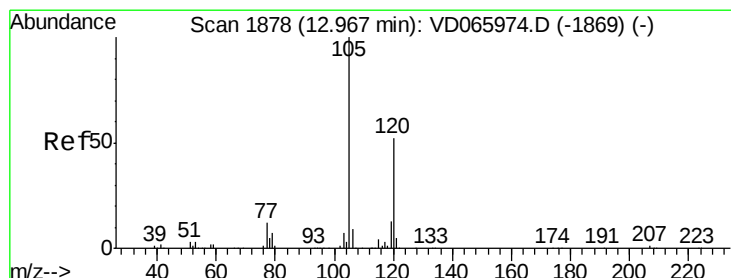
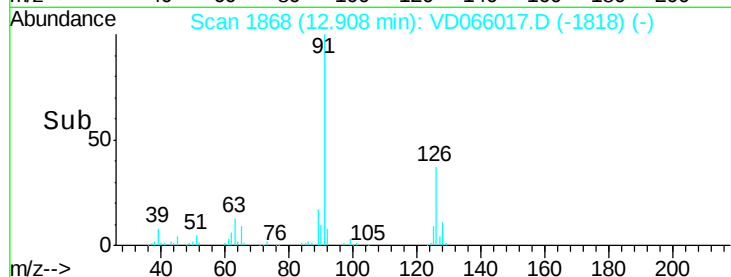
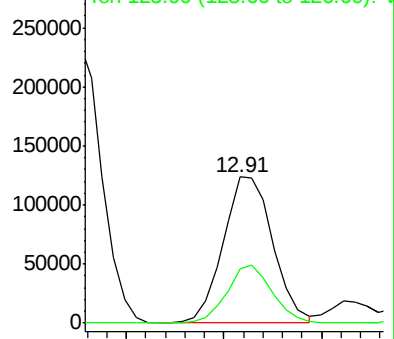
Ion Ratio Lower Upper

91 100

126 36.3 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 23.227 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066017.D

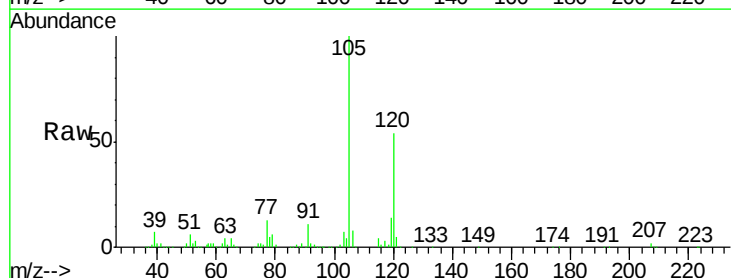
Acq: 23 Jul 2020 11:56

Tgt Ion:105 Resp: 276697

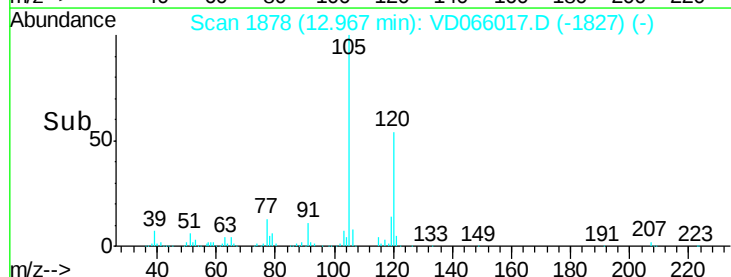
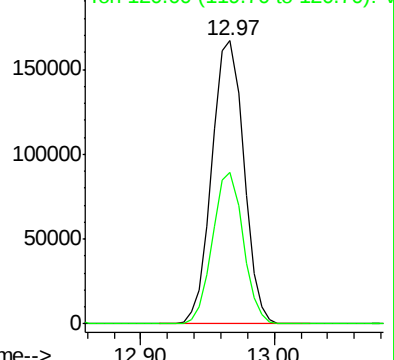
Ion Ratio Lower Upper

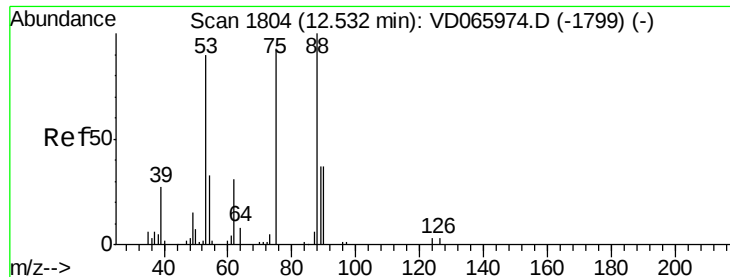
105 100

120 51.5 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.086 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

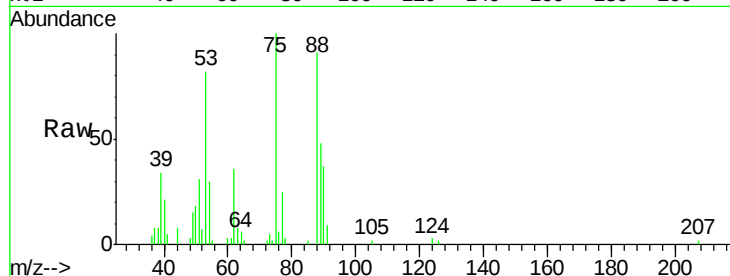
Tot Ion: 75 Resp: 17366

Ion Ratio Lower Upper

75 100

53 87.6 76.8 115.2

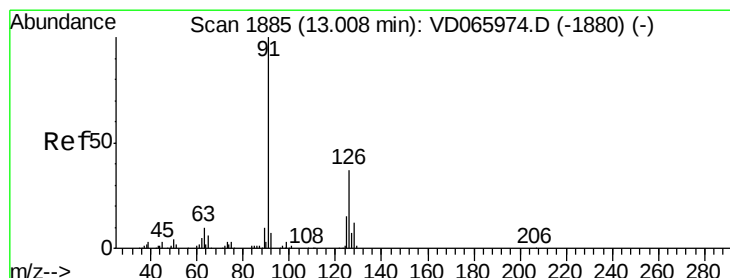
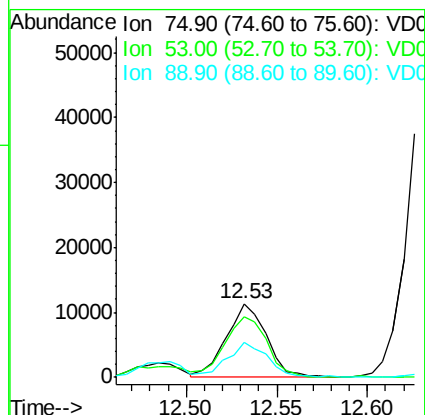
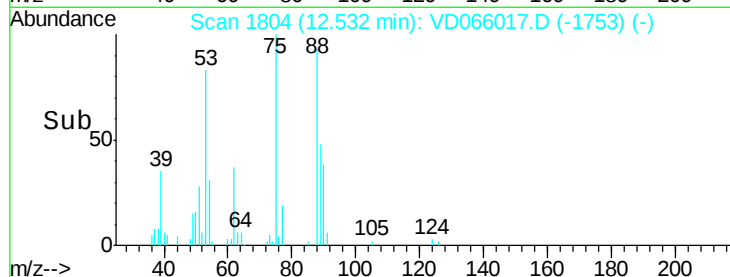
89 49.1 37.0 55.4



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: 22.626 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066017.D

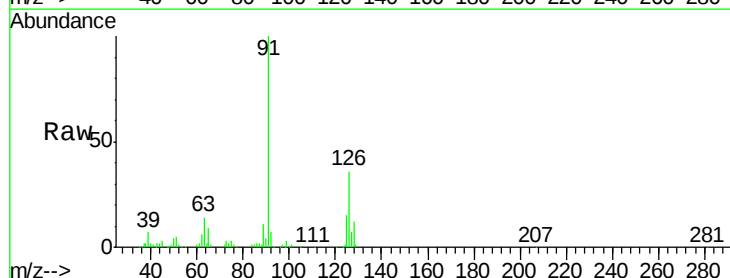
Acq: 23 Jul 2020 11:56

Tgt Ion: 91 Resp: 229565

Ion Ratio Lower Upper

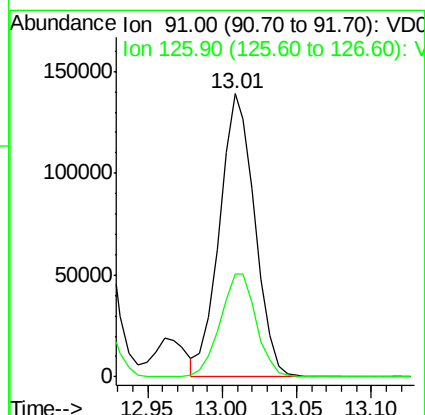
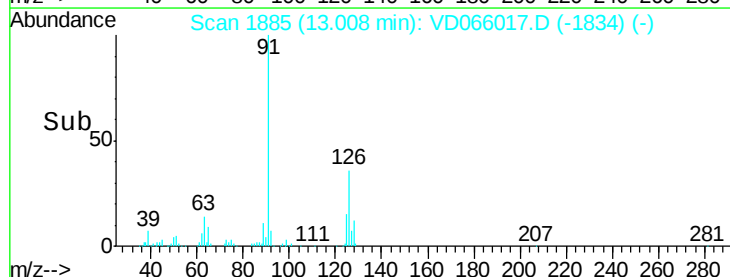
91 100

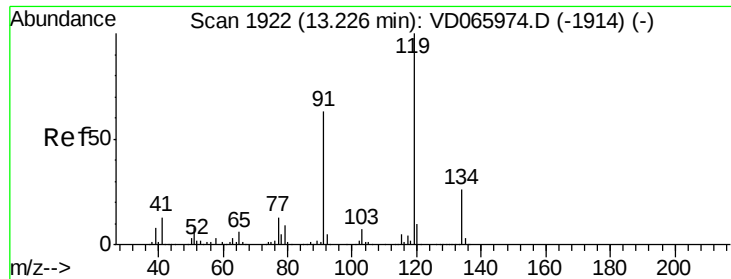
126 37.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

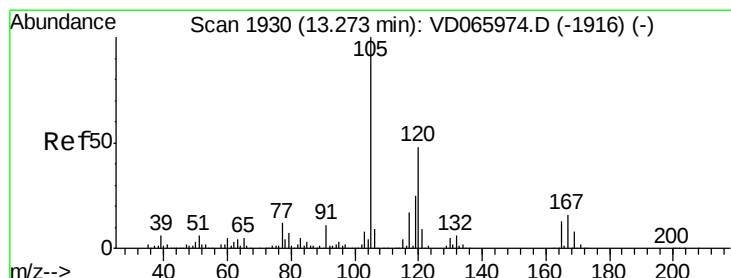
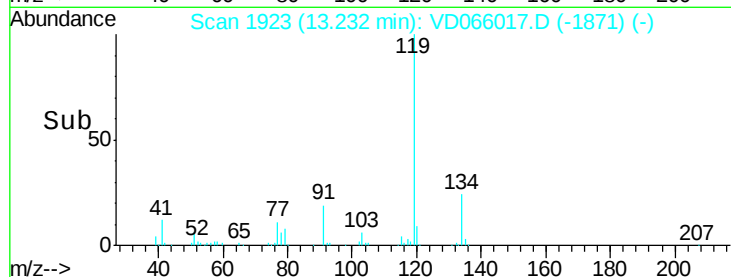
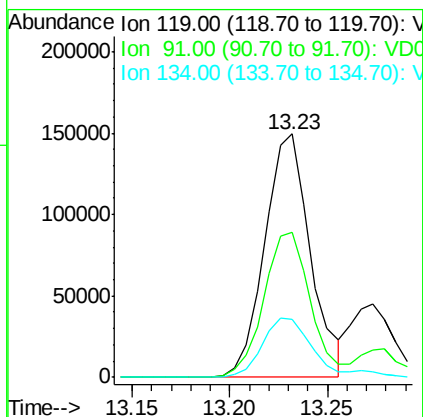
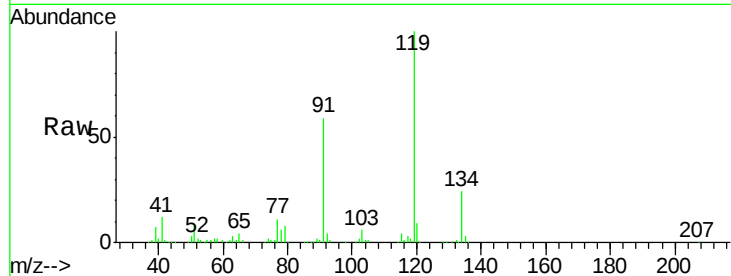




#83
 tert-Butylbenzene
 Concen: 23.296 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

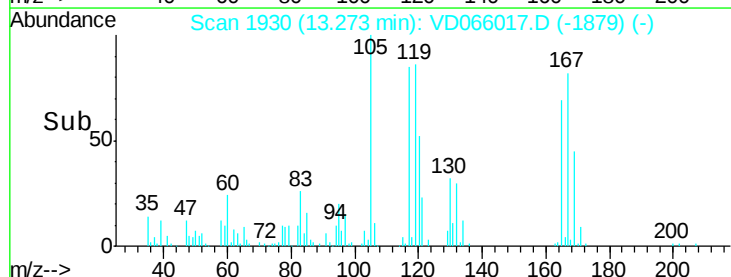
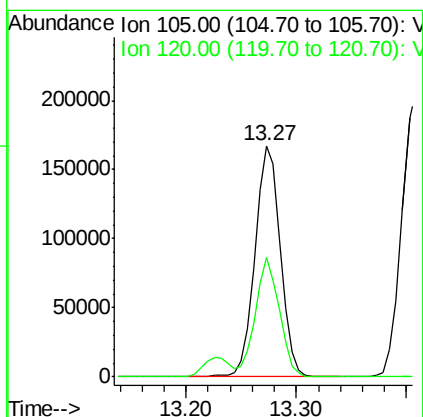
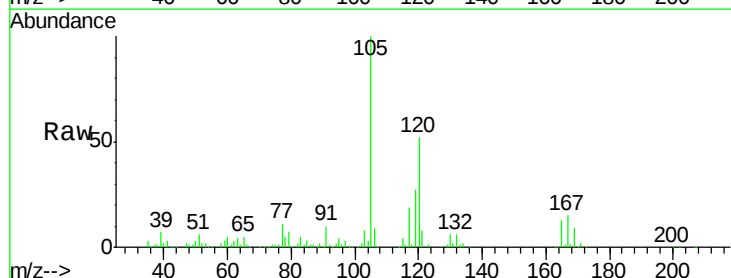
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

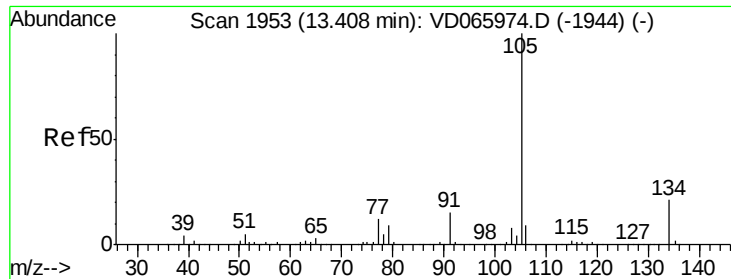
Tot Ion:119 Resp: 242841
 Ion Ratio Lower Upper
 119 100
 91 59.9 30.6 91.6
 134 25.8 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.919 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion:105 Resp: 269362
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.9 71.8

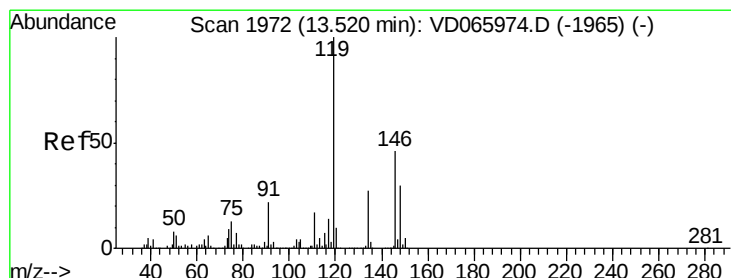
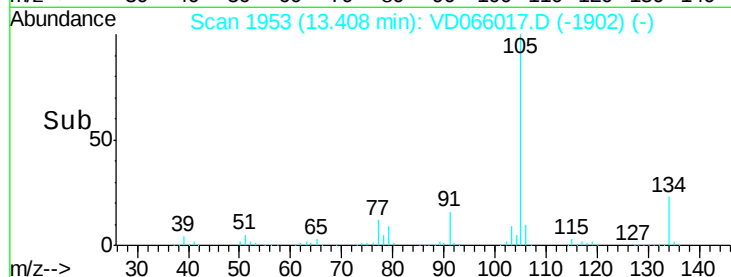
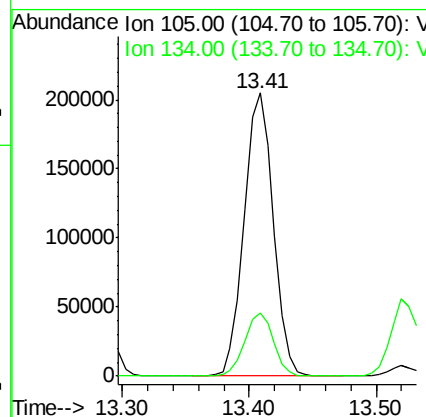
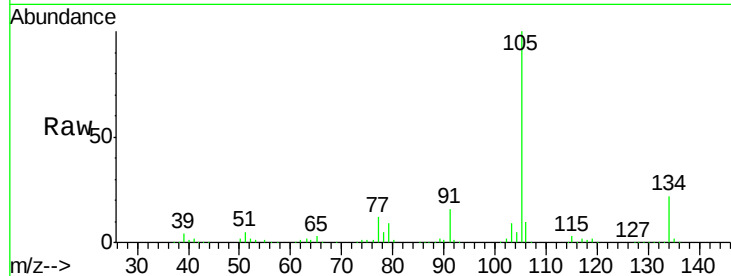




#85
 sec-Butylbenzene
 Concen: 22.683 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

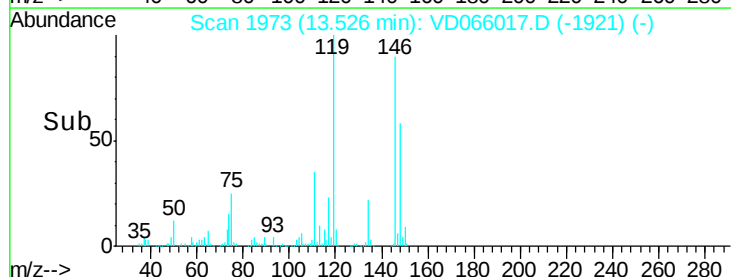
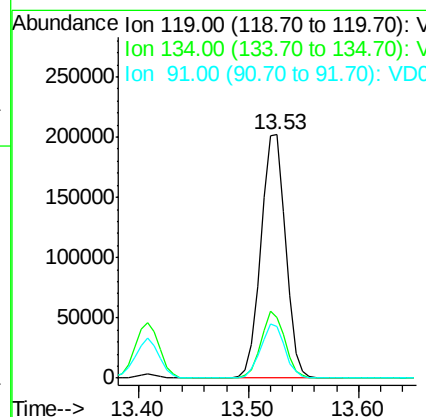
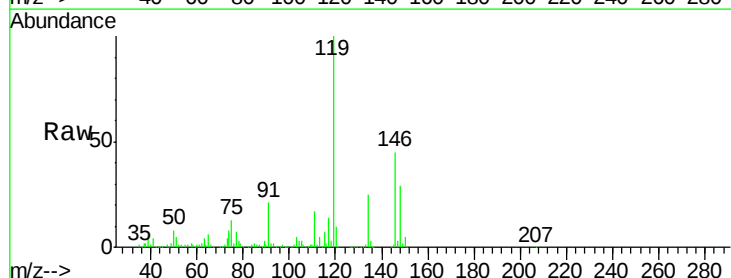
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

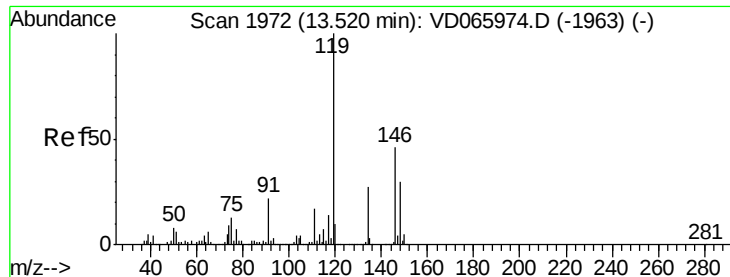
Tot Ion:105 Resp: 325691
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 24.437 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion:119 Resp: 318770
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.2
 91 21.7 11.1 33.3

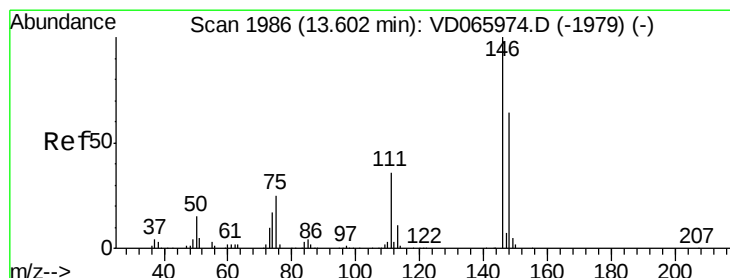
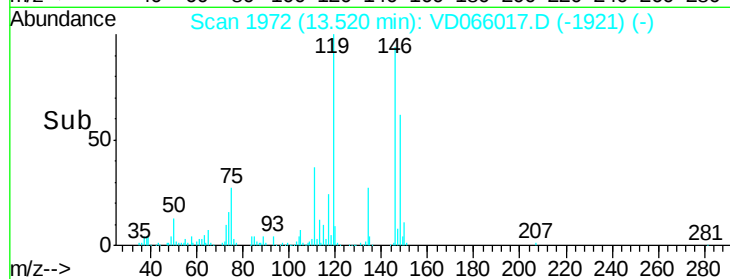
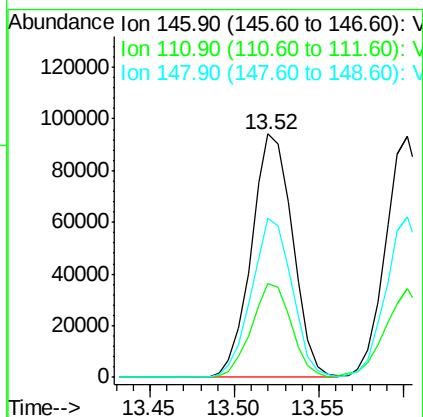
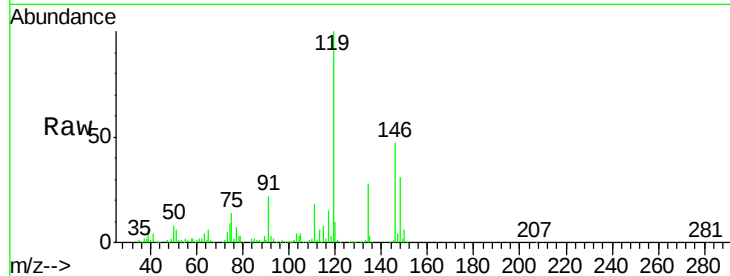




#87
 1,3-Dichlorobenzene
 Concen: 23.252 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

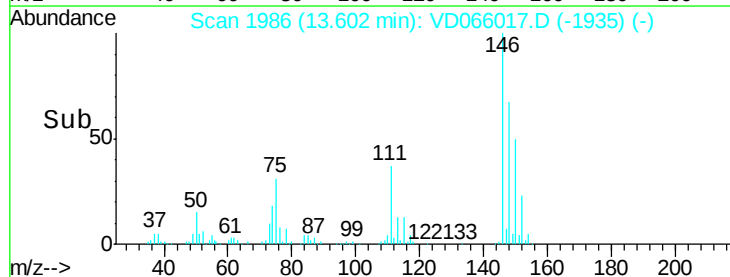
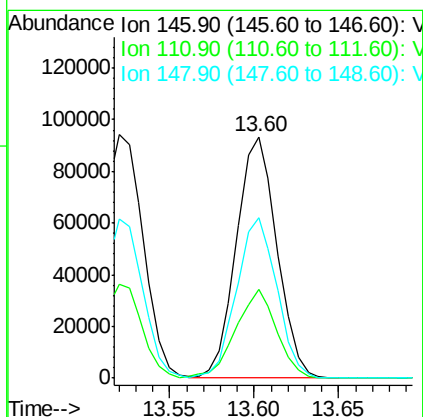
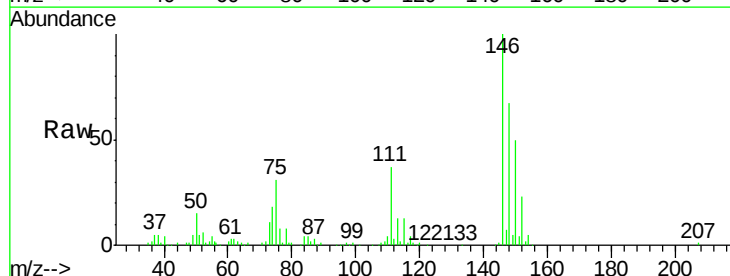
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

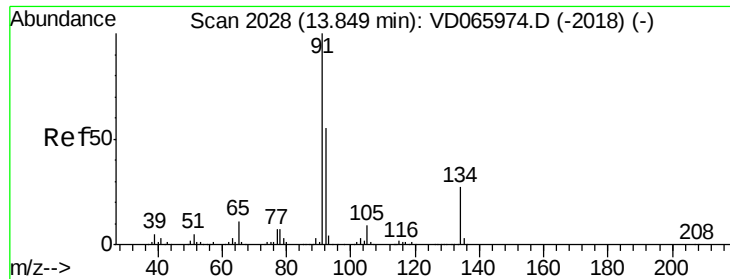
Tot Ion:146 Resp: 159973
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.6
 148 64.2 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 22.420 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion:146 Resp: 155936
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.8 56.4
 148 66.3 32.2 96.6

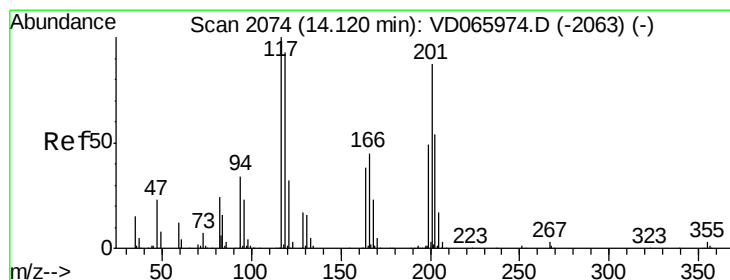
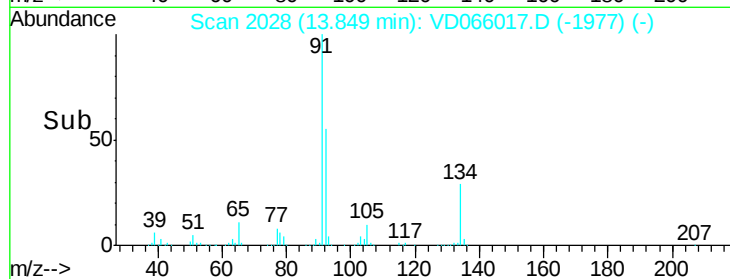
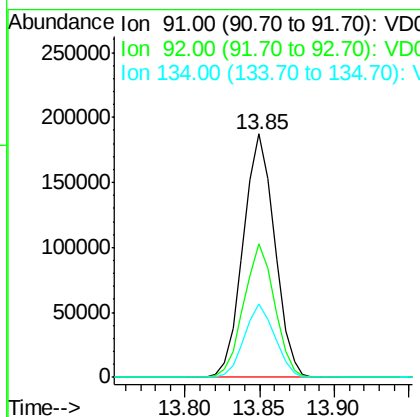
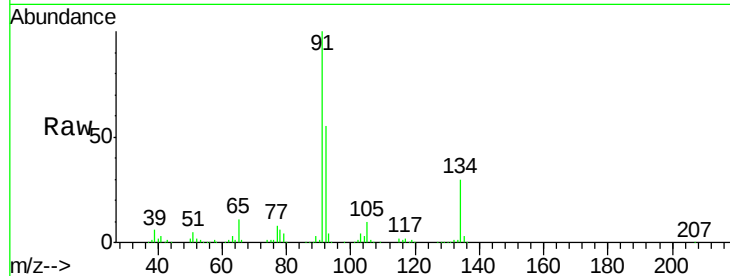




#89
n-Butylbenzene
Concen: 22.619 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

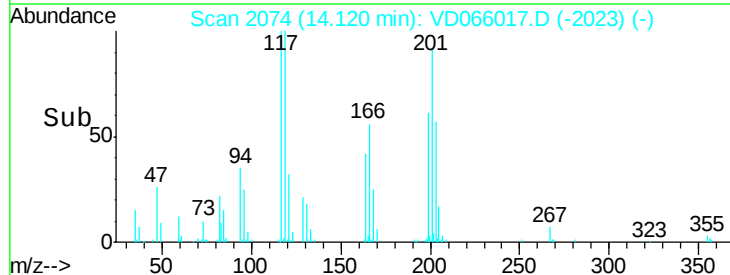
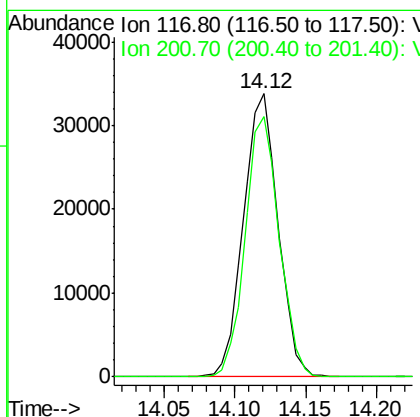
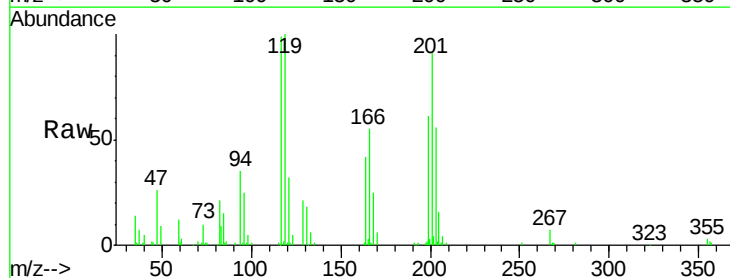
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

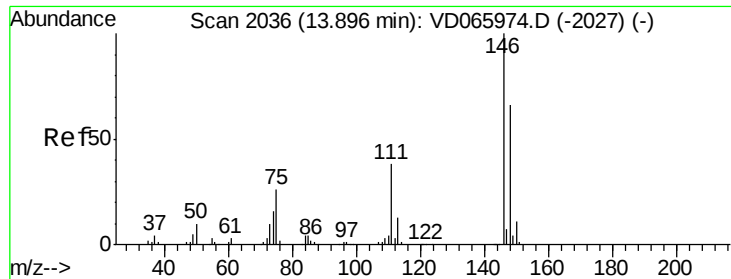
Tot Ion: 91 Resp: 274349
Ion Ratio Lower Upper
91 100
92 53.8 27.2 81.6
134 28.8 13.8 41.4



#90
Hexachloroethane
Concen: 21.540 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 117 Resp: 58167
Ion Ratio Lower Upper
117 100
201 90.3 42.0 126.1





#91

1,2-Dichlorobenzene

Concen: 22.578 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

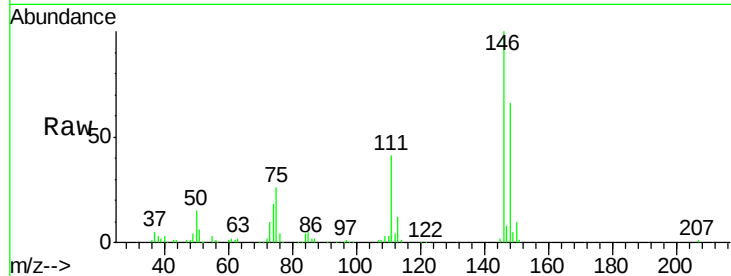
Tot Ion:146 Resp: 134600

Ion Ratio Lower Upper

146 100

111 40.7 19.3 57.9

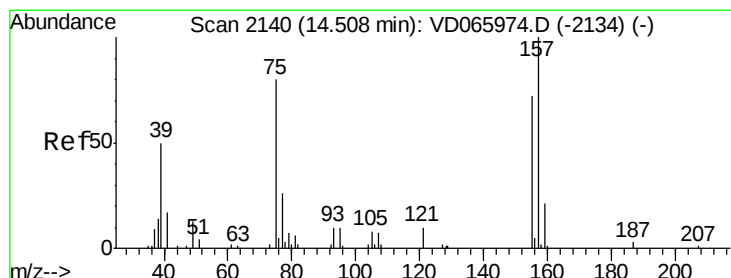
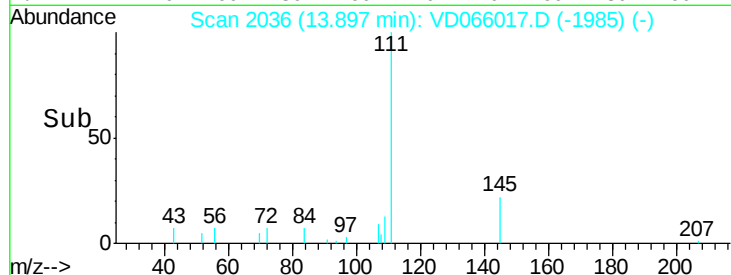
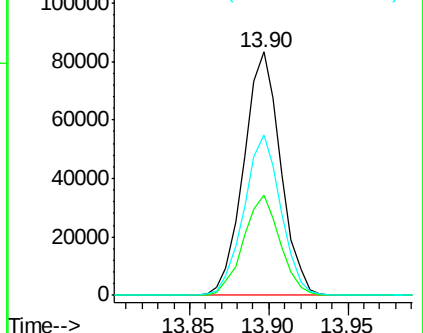
148 65.8 32.7 98.1



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: 21.664 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

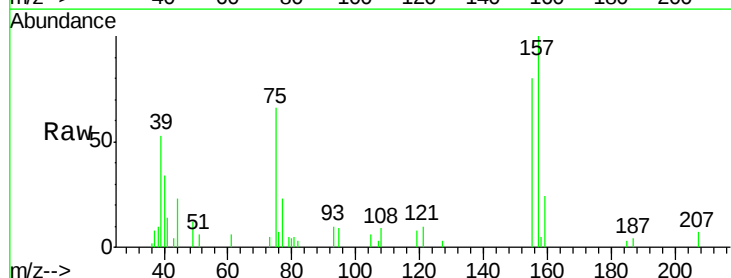
Tgt Ion: 75 Resp: 8508

Ion Ratio Lower Upper

75 100

155 97.0 48.5 145.5

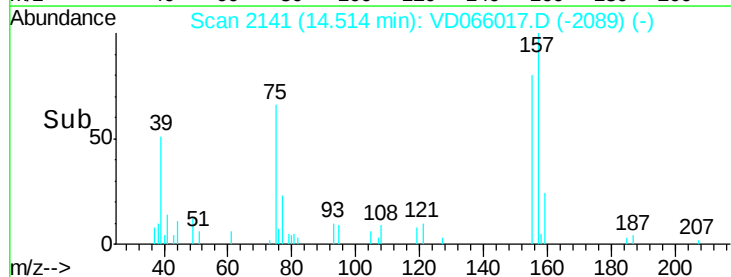
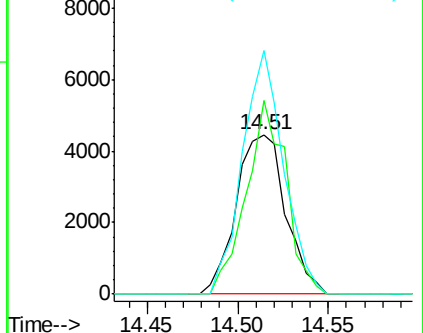
157 126.1 64.7 194.1

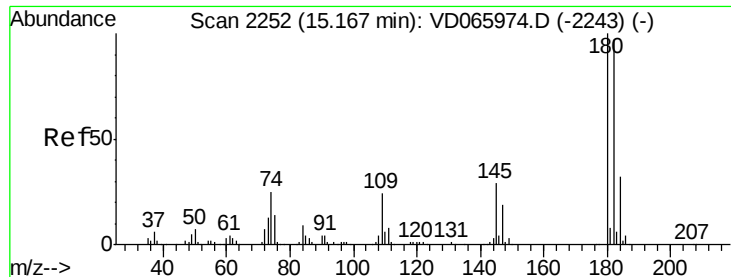


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

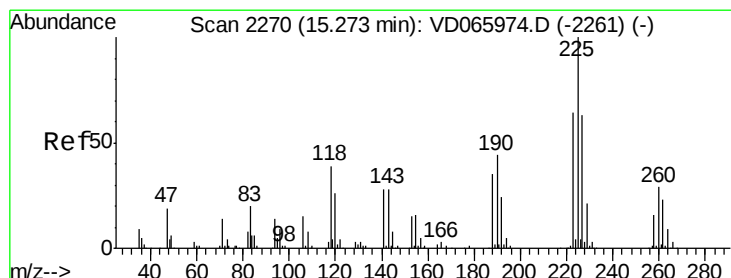
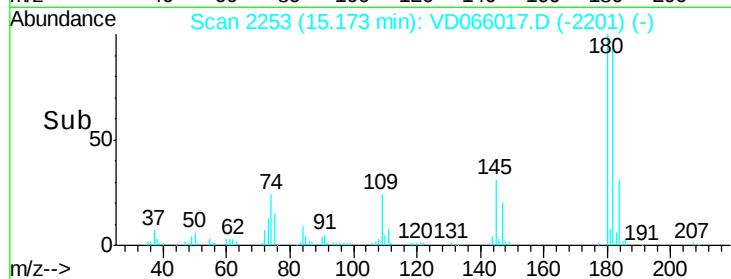
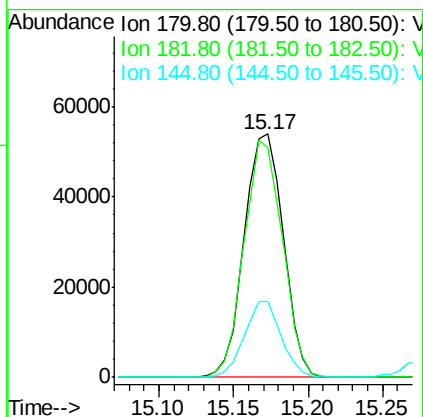
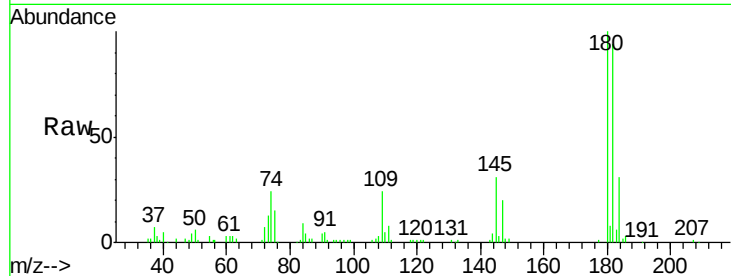




#93
 1,2,4-Trichlorobenzene
 Concen: 22.931 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

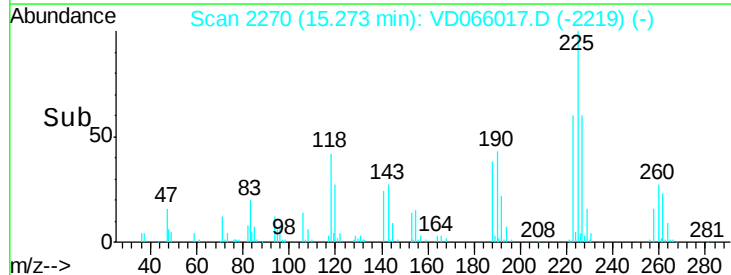
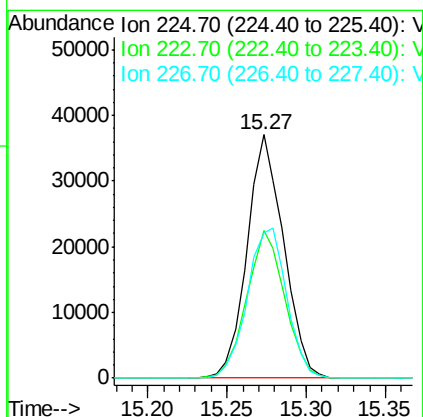
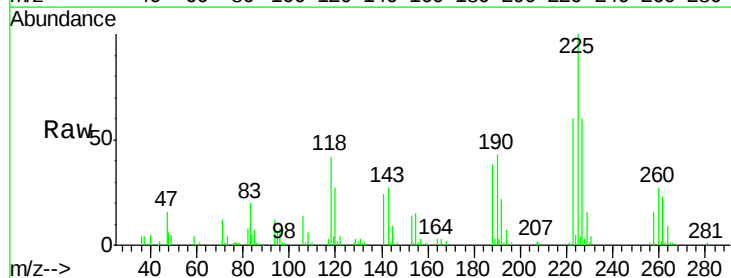
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

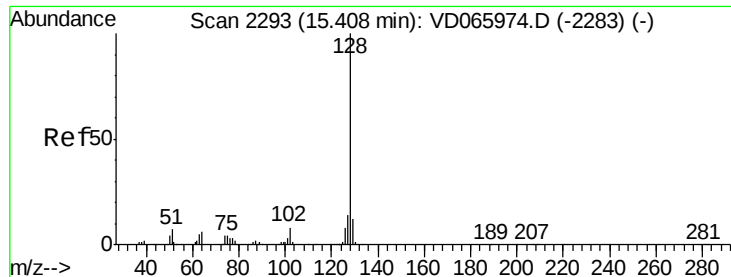
Tot Ion:180 Resp: 98129
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.1 144.3
 145 29.2 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 22.440 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion:225 Resp: 59367
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.2 93.6
 227 66.2 31.6 94.8

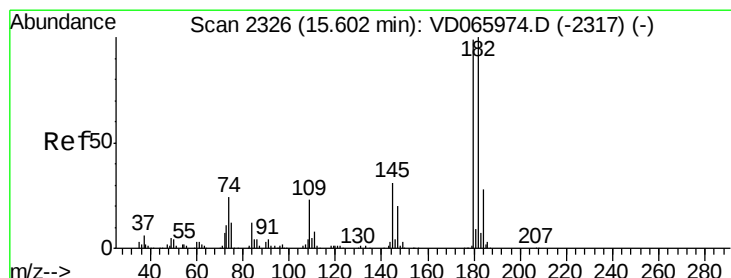
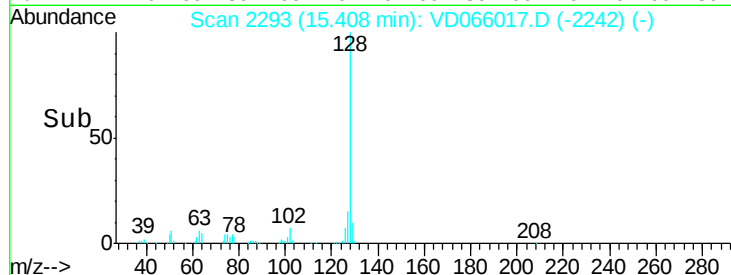
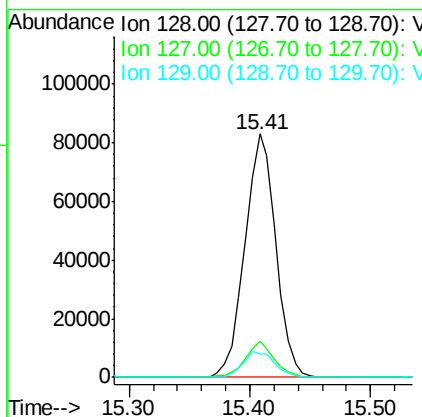
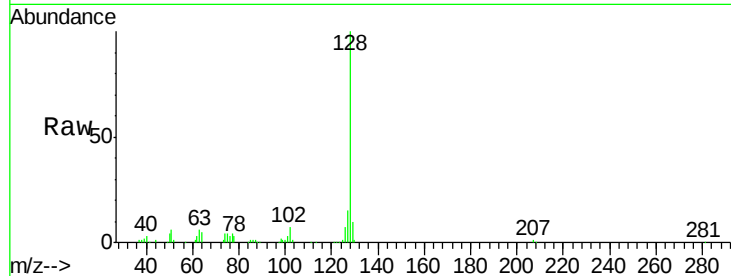




#95
Naphthalene
Concen: 21.594 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion:128 Resp: 147822
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 22.768 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion:180 Resp: 84699
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.6
145 30.5 15.4 46.2

