

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071020\
 Data File : VD065945.D
 Acq On : 10 Jul 2020 13:29
 Operator : VA/SY
 Sample : VD0710SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Quant Time: Jul 11 05:00:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	385435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	583494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	542971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	153548	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	
35) Dibromofluoromethane	7.91	113	166515	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
50) Toluene-d8	10.34	98	611770	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
62) 4-Bromofluorobenzene	12.64	95	216373	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	74073	21.617	ug/l	98
3) Chloromethane	2.21	50	68495	20.165	ug/l	95
4) Vinyl Chloride	2.35	62	59539	19.090	ug/l	98
5) Bromomethane	2.76	94	38631	19.554	ug/l	84
6) Chloroethane	2.92	64	35895	19.253	ug/l	92
7) Trichlorofluoromethane	3.27	101	137422	20.558	ug/l	98
8) Diethyl Ether	3.70	74	37409	20.399	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	82754	20.697	ug/l	100
10) Methyl Iodide	4.29	142	82340	21.082	ug/l	98
11) Tert butyl alcohol	5.21	59	22752	91.180	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	79605	21.311	ug/l	96
13) Acrolein	3.91	56	21266	108.225	ug/l	97
14) Allyl chloride	4.71	41	126491	19.982	ug/l	99
15) Acrylonitrile	5.42	53	81881	101.978	ug/l	96
16) Acetone	4.16	43	72376	90.410	ug/l	99
17) Carbon Disulfide	4.40	76	246255	20.690	ug/l	100
18) Methyl Acetate	4.71	43	36387	19.391	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	162118	20.500	ug/l	99
20) Methylene Chloride	4.96	84	95468	15.647	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	86532	20.590	ug/l	98
22) Diisopropyl ether	6.36	45	245433	20.631	ug/l	94
23) Vinyl Acetate	6.30	43	677860	99.828	ug/l	98
24) 1,1-Dichloroethane	6.26	63	147475	20.790	ug/l	99
25) 2-Butanone	7.21	43	98746	93.348	ug/l	98
26) 2,2-Dichloropropane	7.21	77	126565	20.395	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	96320	21.330	ug/l	97
28) Bromochloromethane	7.54	49	58199	21.719	ug/l	97
29) Tetrahydrofuran	7.56	42	64680	96.157	ug/l	100
30) Chloroform	7.70	83	150632	20.946	ug/l	97
31) Cyclohexane	7.98	56	137487	19.699	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	138891	21.164	ug/l	98
36) 1,1-Dichloropropene	8.11	75	117262	20.348	ug/l	98
37) Ethyl Acetate	7.29	43	46894	19.421	ug/l #	95
38) Carbon Tetrachloride	8.10	117	129403	20.950	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	142256	20.107	ug/l	97
40) Benzene	8.35	78	338893	21.286	ug/l	100
41) Methacrylonitrile	7.53	41	30089	21.463	ug/l #	91
42) 1,2-Dichloroethane	8.42	62	95628	21.203	ug/l	99
43) Isopropyl Acetate	8.45	43	88503	19.691	ug/l	97
44) Trichloroethene	9.11	130	96209	20.567	ug/l	99
45) 1,2-Dichloropropane	9.38	63	85345	21.598	ug/l	98
46) Dibromomethane	9.47	93	43252	21.024	ug/l	96
47) Bromodichloromethane	9.66	83	115458	20.922	ug/l #	98
48) Methyl methacrylate	9.46	41	44811	19.805	ug/l	96
49) 1,4-Dioxane	9.46	88	9840	402.555	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	223472	98.347	ug/l	100
52) Toluene	10.40	92	219647	21.686	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	107174	20.655	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	129699	20.686	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	60929	21.496	ug/l	98
56) Ethyl methacrylate	10.66	69	70305	20.308	ug/l	97
57) 1,3-Dichloropropane	10.95	76	104845	21.151	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	170585	101.743	ug/l	99
59) 2-Hexanone	10.98	43	151544	96.974	ug/l	99
60) Dibromochloromethane	11.14	129	82486	21.300	ug/l	99
61) 1,2-Dibromoethane	11.25	107	59325	20.992	ug/l	98
64) Tetrachloroethene	10.87	164	85064	21.543	ug/l	95
65) Chlorobenzene	11.67	112	239145	21.856	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	87685	21.426	ug/l	97
67) Ethyl Benzene	11.75	91	413521	21.273	ug/l	100
68) m/p-Xylenes	11.85	106	319484	43.260	ug/l	100
69) o-Xylene	12.18	106	144977	21.550	ug/l	98
70) Styrene	12.20	104	253540	21.831	ug/l	99
71) Bromoform	12.36	173	49404	21.334	ug/l #	100
73) Isopropylbenzene	12.48	105	390511	20.203	ug/l	97
74) N-amyl acetate	12.29	43	80367	18.529	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	63839	19.894	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43921m	18.905	ug/l	
77) Bromobenzene	12.76	156	97354	20.766	ug/l	99
78) n-propylbenzene	12.82	91	460930	20.340	ug/l	99
79) 2-Chlorotoluene	12.91	91	258332	20.094	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	324605	20.532	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	20044	18.538	ug/l	95
82) 4-Chlorotoluene	13.01	91	277619	20.582	ug/l	98
83) tert-Butylbenzene	13.23	119	276235	20.508	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	332772	21.145	ug/l	100
85) sec-Butylbenzene	13.41	105	390315	20.447	ug/l	98
86) p-Isopropyltoluene	13.52	119	364131	20.856	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	188073	21.439	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	186951	21.361	ug/l	98
89) n-Butylbenzene	13.85	91	323124	19.708	ug/l	100
90) Hexachloroethane	14.11	117	71861	20.410	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	161914	21.117	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10101	18.824	ug/l	94

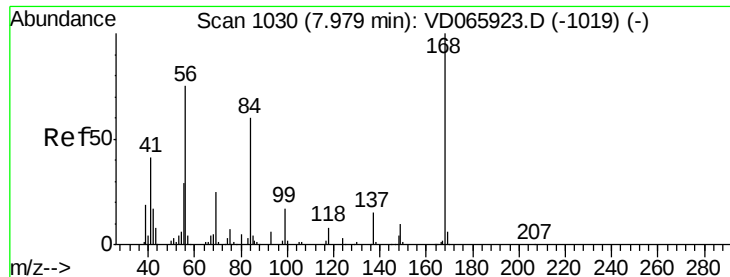
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071020\
Data File : VD065945.D
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Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:45:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113968	20.856	ug/l	97
94) Hexachlorobutadiene	15.27	225	68366	20.683	ug/l	97
95) Naphthalene	15.41	128	176661	19.276	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	97968	20.785	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: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

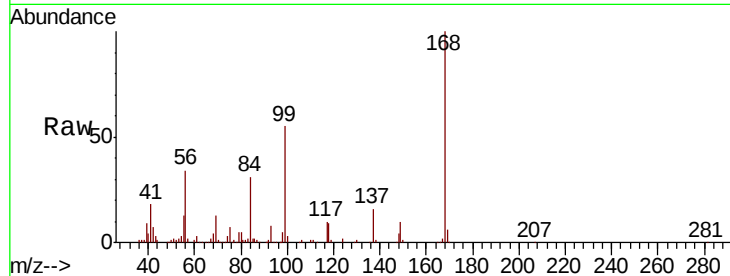
VD0710SBS01

Tot Ion:168 Resp: 385435

Ion Ratio Lower Upper

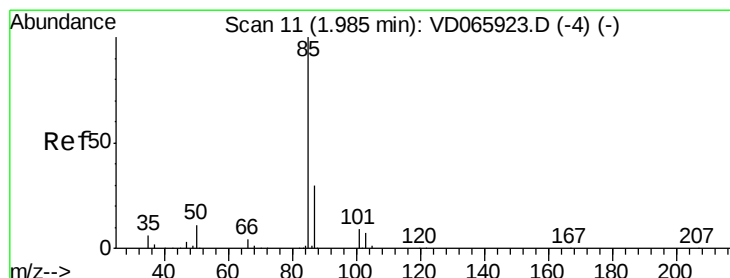
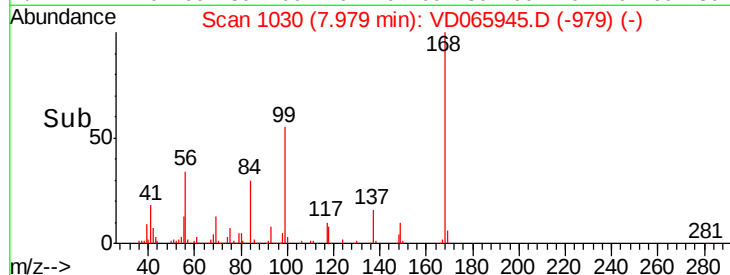
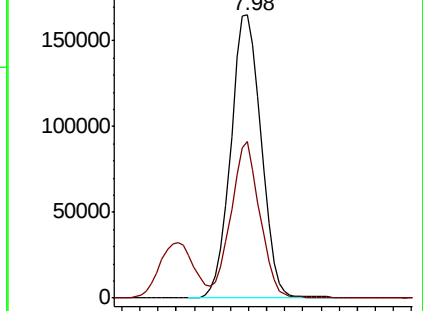
168 100

99 55.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.617 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065945.D

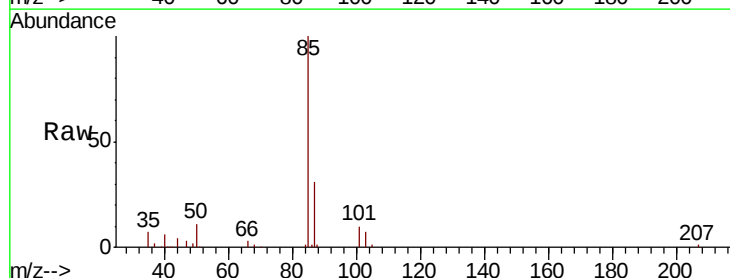
Acq: 10 Jul 2020 13:29

Tgt Ion: 85 Resp: 74073

Ion Ratio Lower Upper

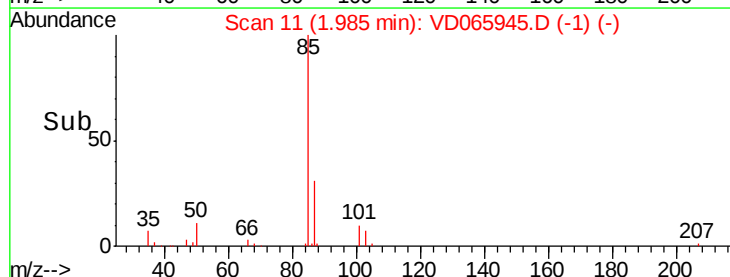
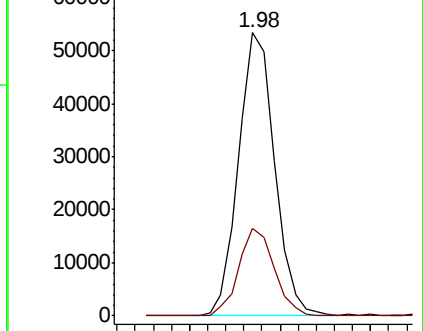
85 100

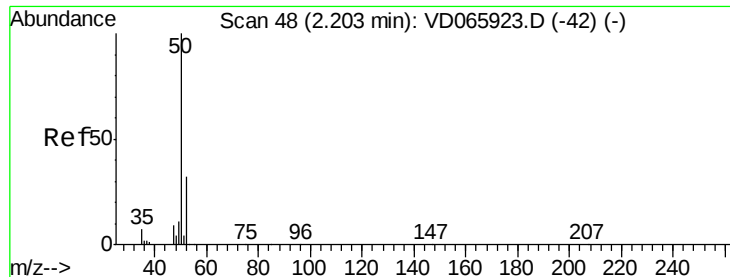
87 31.0 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.165 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

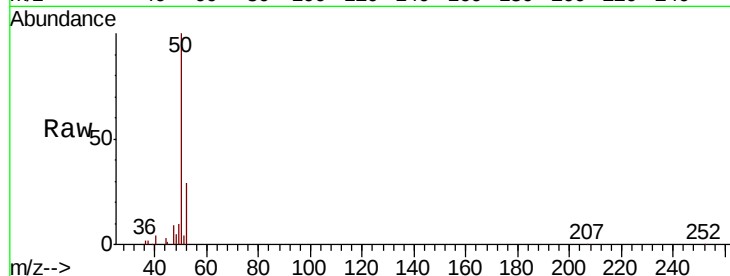
VD0710SBS01

Tot Ion: 50 Resp: 68495

Ion Ratio Lower Upper

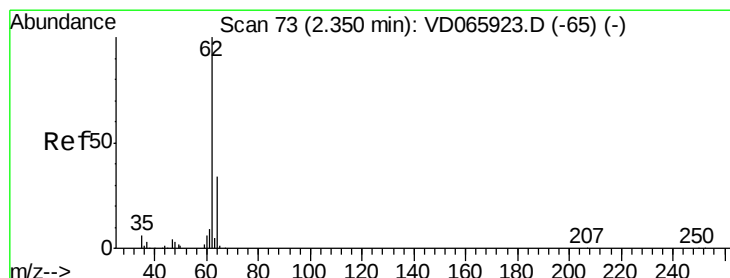
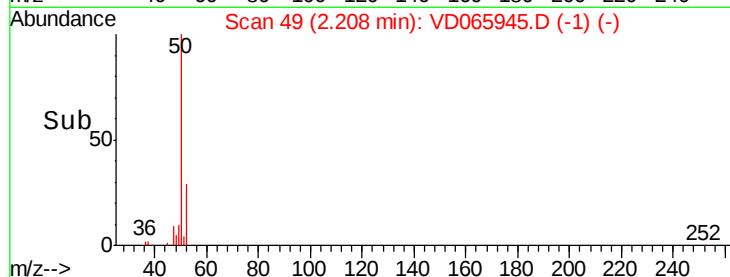
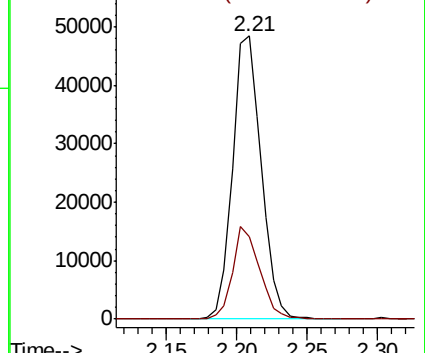
50 100

52 29.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.090 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065945.D

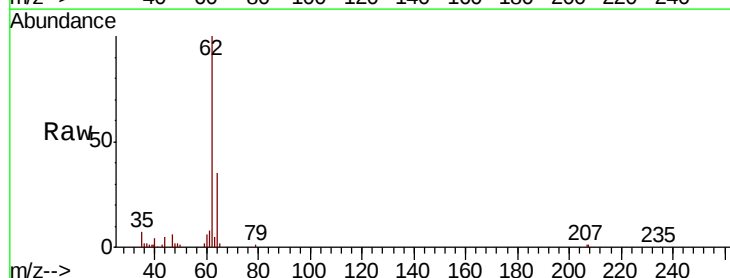
Acq: 10 Jul 2020 13:29

Tgt Ion: 62 Resp: 59539

Ion Ratio Lower Upper

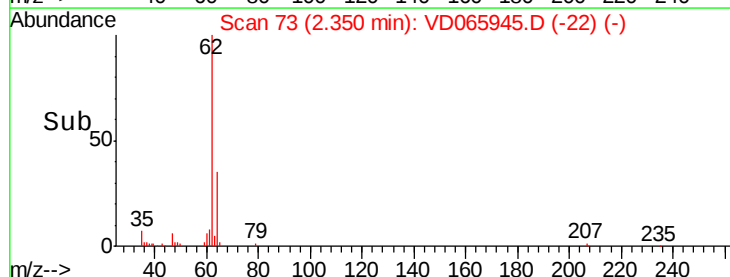
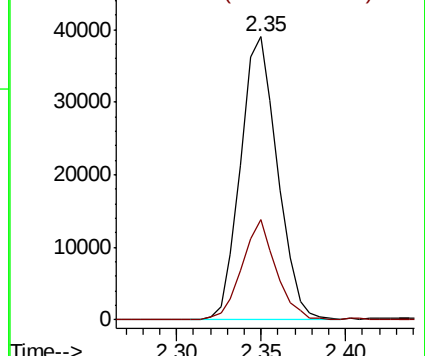
62 100

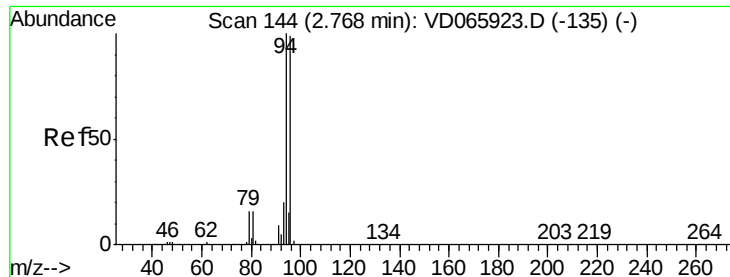
64 35.3 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.554 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

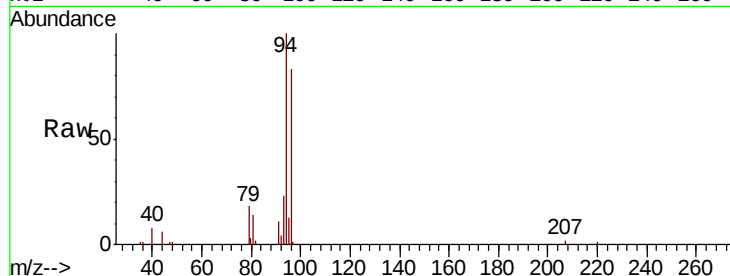
VD0710SBS01

Tot Ion: 94 Resp: 38631

Ion Ratio Lower Upper

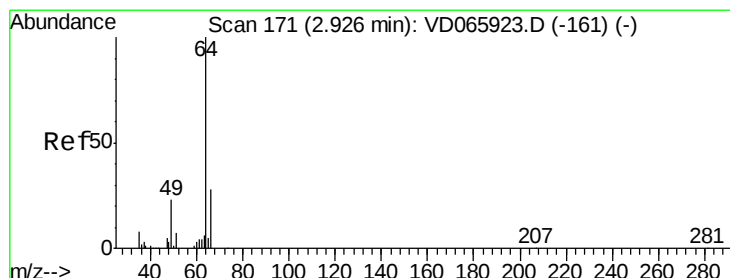
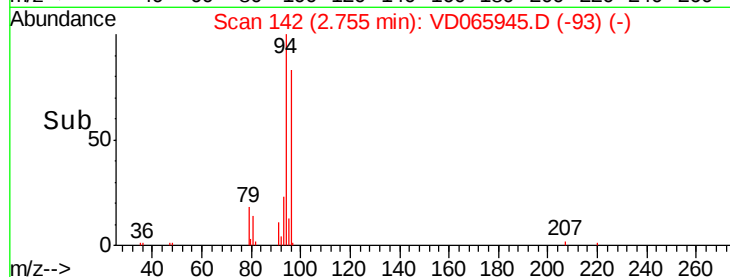
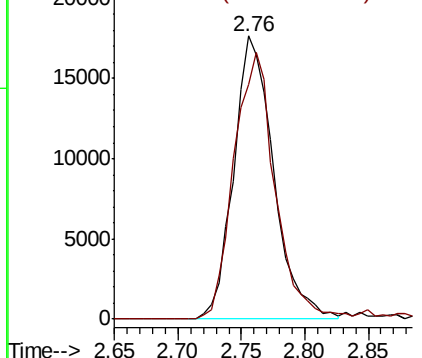
94 100

96 83.1 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.253 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065945.D

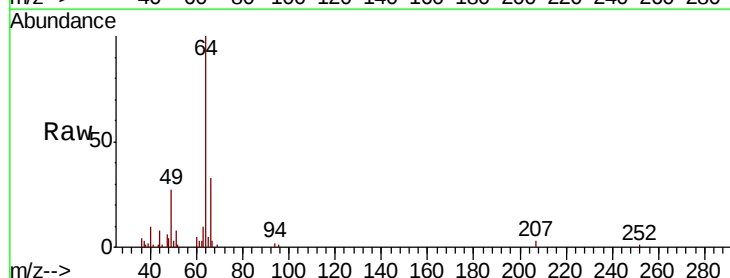
Acq: 10 Jul 2020 13:29

Tgt Ion: 64 Resp: 35895

Ion Ratio Lower Upper

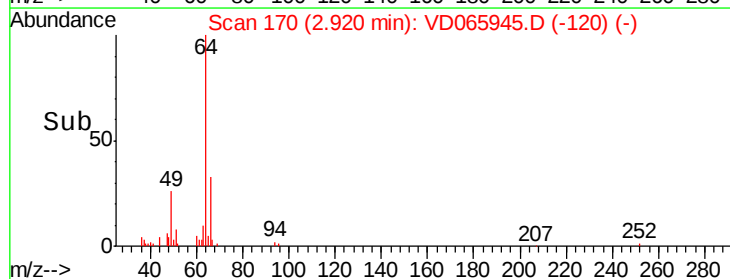
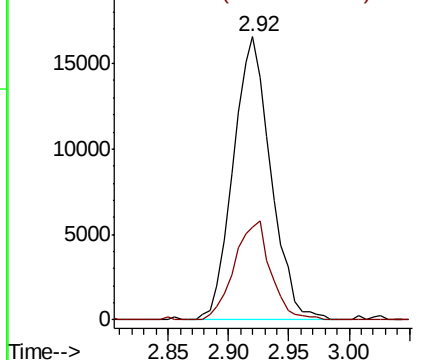
64 100

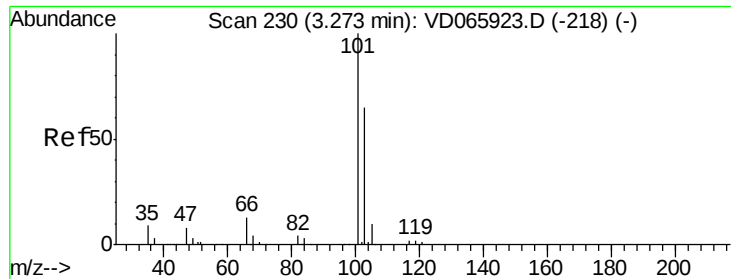
66 32.6 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



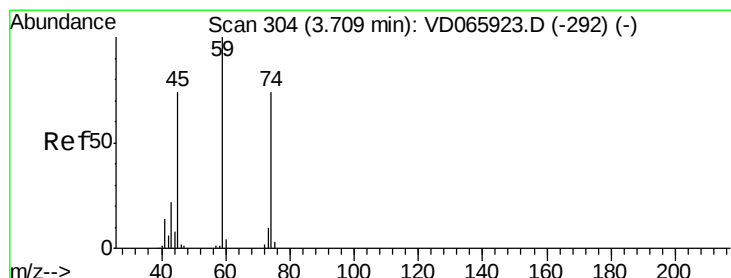
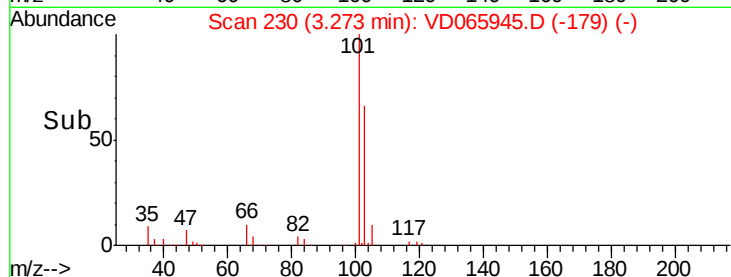
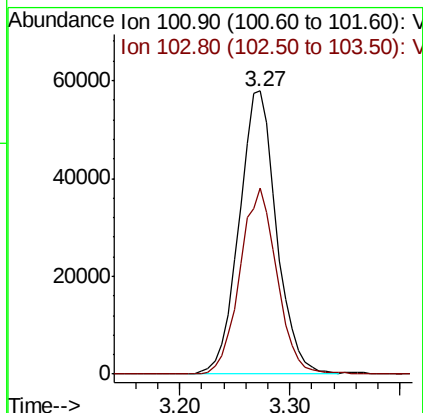
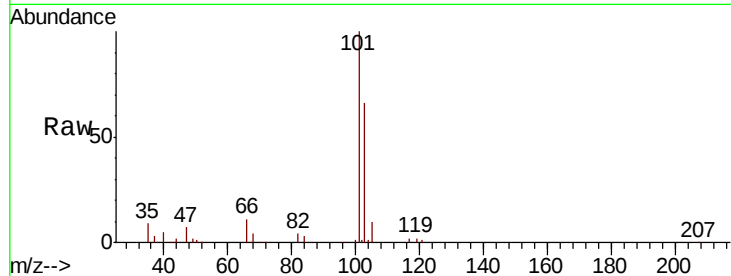


#7

Trichlorofluoromethane
 Concen: 20.558 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

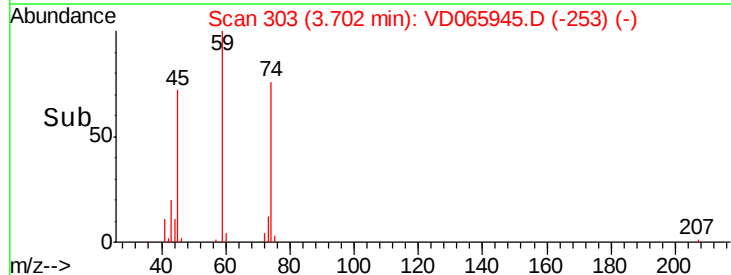
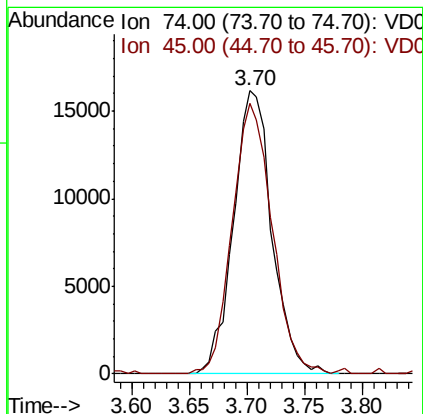
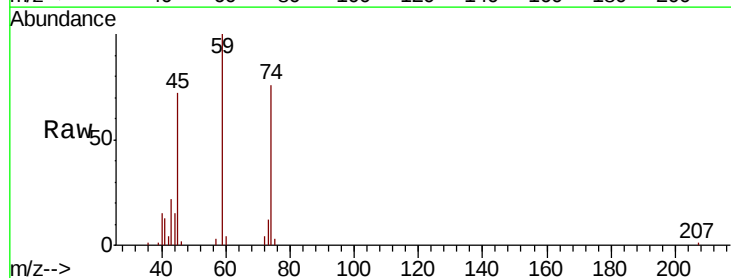
Tot Ion:101 Resp: 137422
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.7 77.5

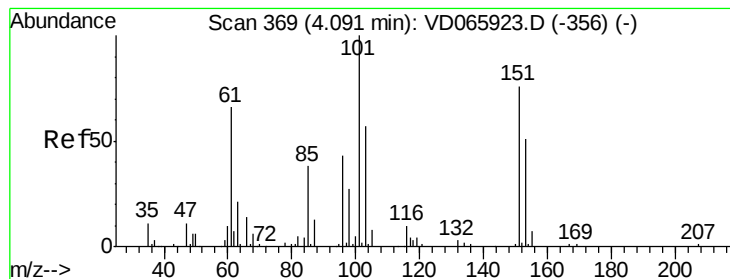


#8

Diethyl Ether
 Concen: 20.399 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Tgt Ion: 74 Resp: 37409
 Ion Ratio Lower Upper
 74 100
 45 99.0 51.1 153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.697 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

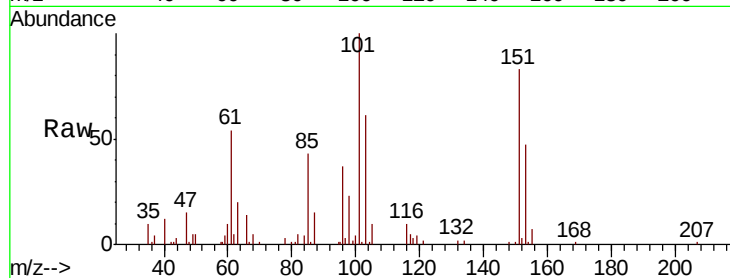
Tot Ion:101 Resp: 82754

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.8

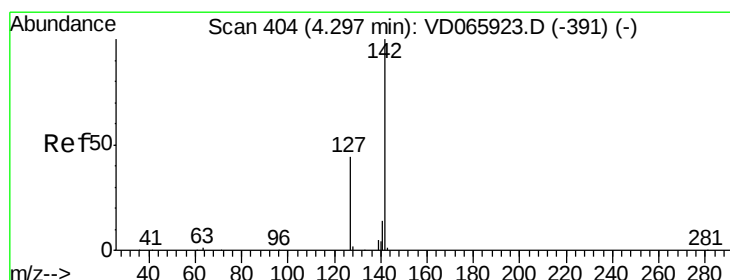
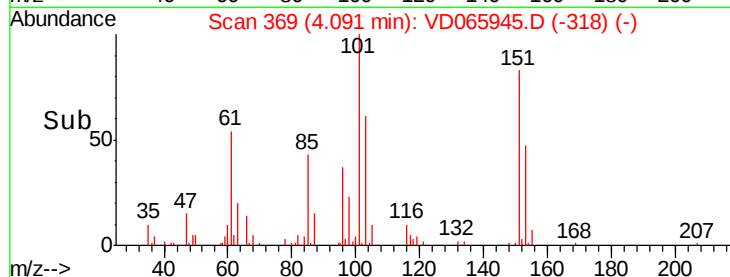
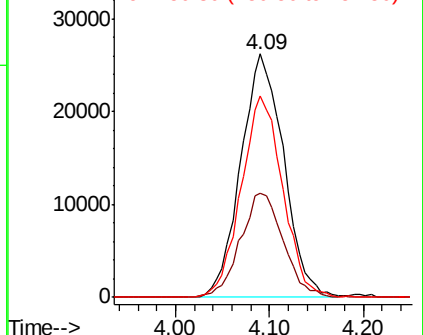
151 80.0 64.1 96.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.082 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

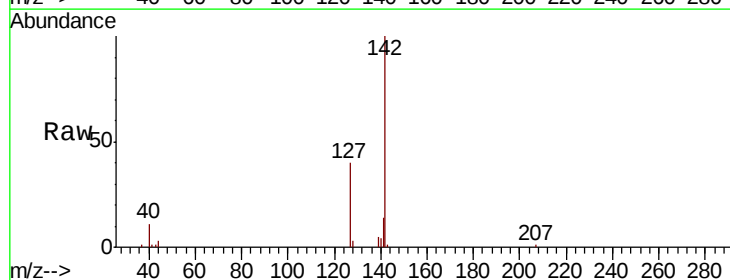
Tgt Ion:142 Resp: 82340

Ion Ratio Lower Upper

142 100

127 42.0 34.6 51.8

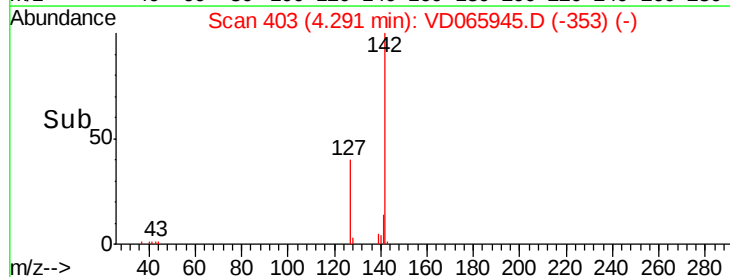
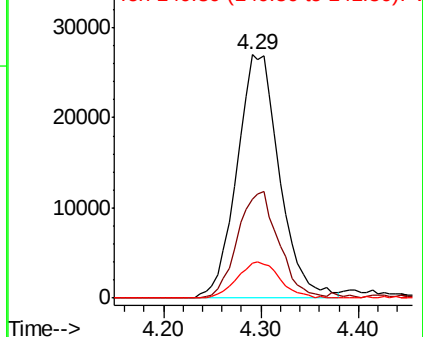
141 14.9 11.6 17.4

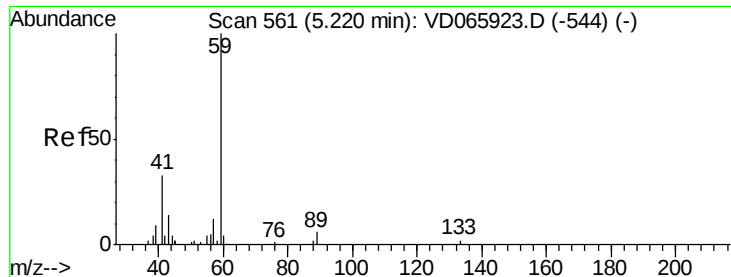


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.180 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

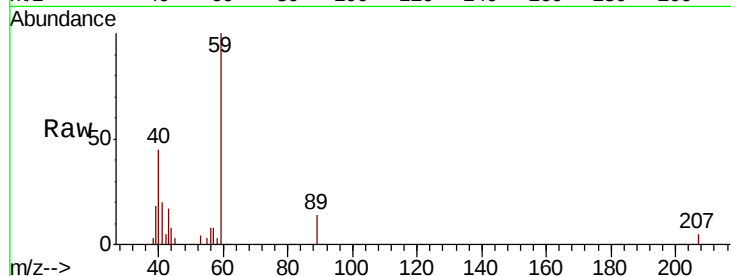
VD0710SBS01

Tot Ion: 59 Resp: 22752

Ion Ratio Lower Upper

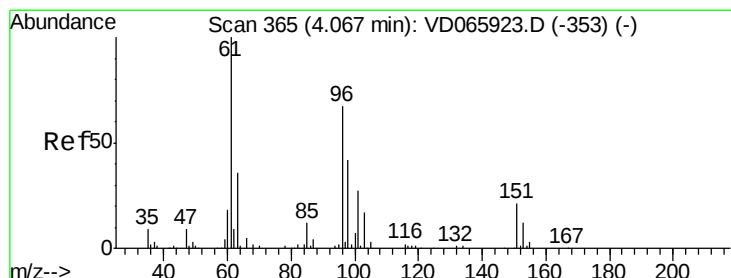
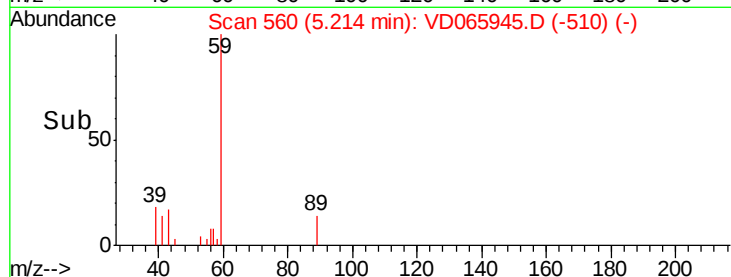
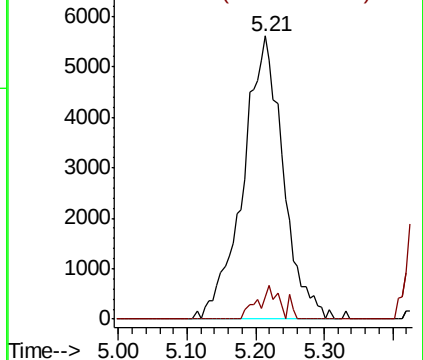
59 100

57 5.6 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.311 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

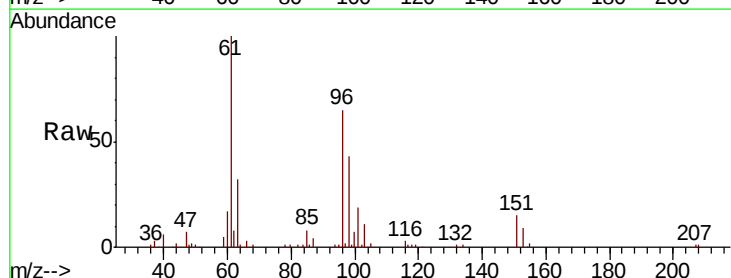
Tgt Ion: 96 Resp: 79605

Ion Ratio Lower Upper

96 100

61 154.4 120.2 180.2

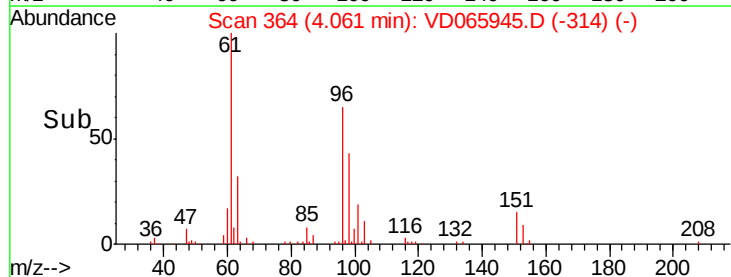
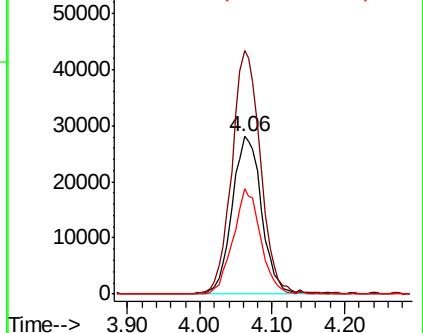
98 67.1 50.6 76.0

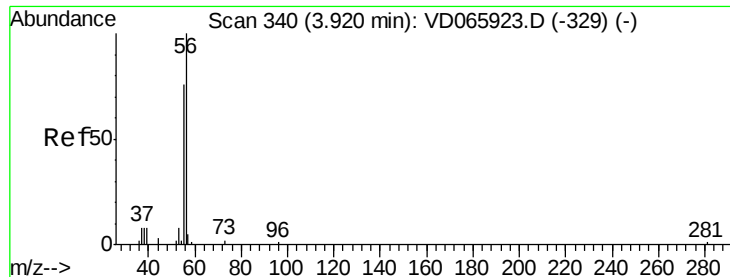


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 108.225 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

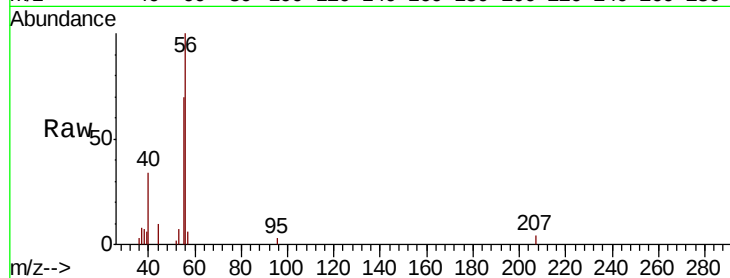
VD0710SBS01

Tot Ion: 56 Resp: 21266

Ion Ratio Lower Upper

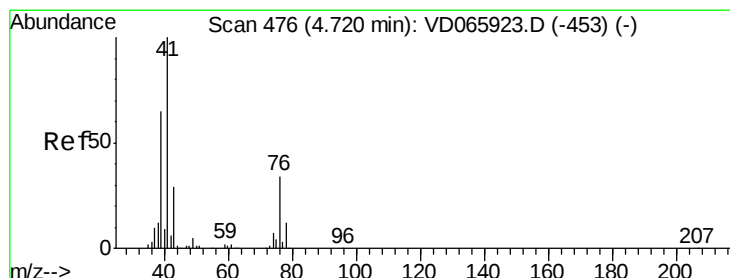
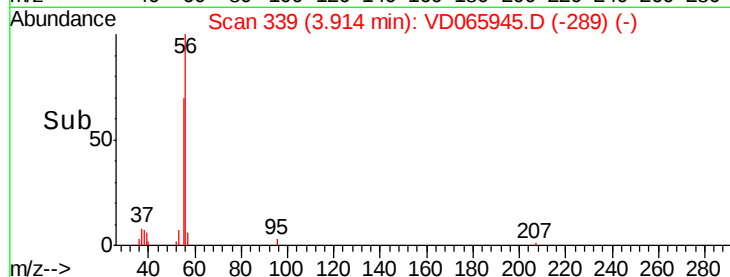
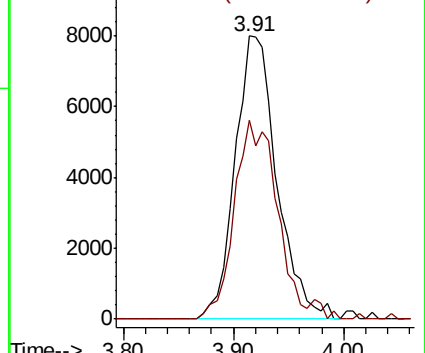
56 100

55 71.2 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.982 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

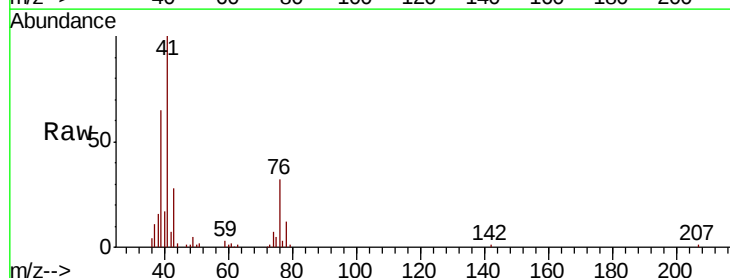
Tgt Ion: 41 Resp: 126491

Ion Ratio Lower Upper

41 100

39 65.8 52.2 78.4

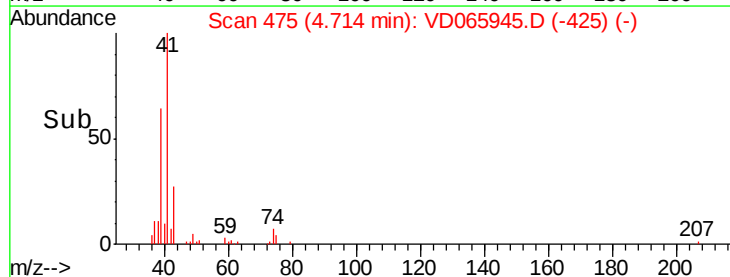
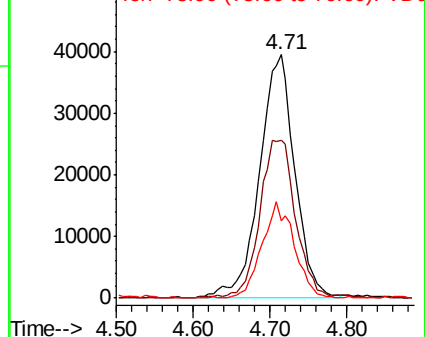
76 36.3 28.1 42.1

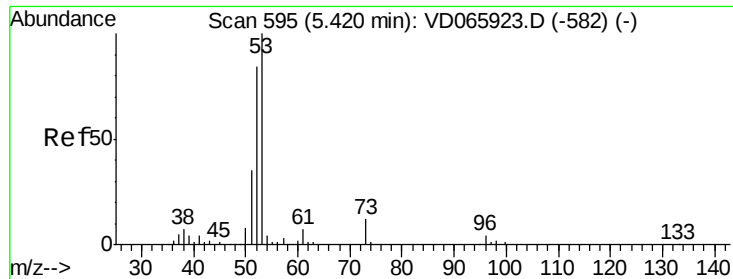


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 101.978 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

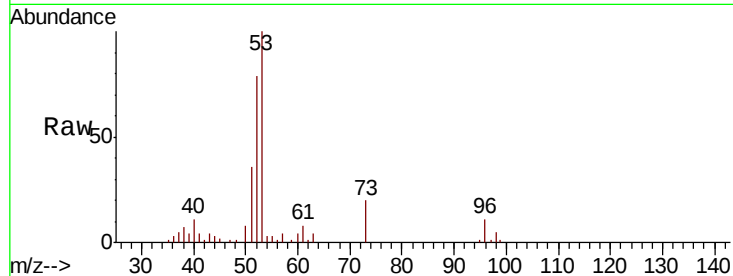
Tot Ion: 53 Resp: 81881

Ion Ratio Lower Upper

53 100

52 79.4 66.3 99.5

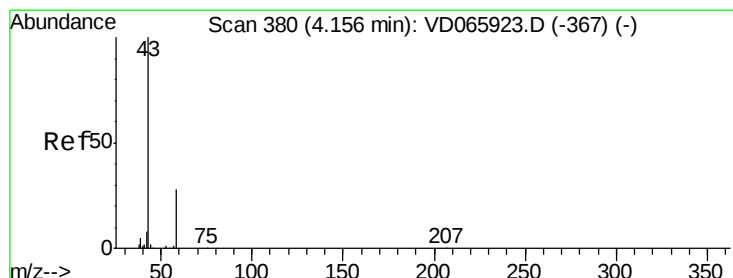
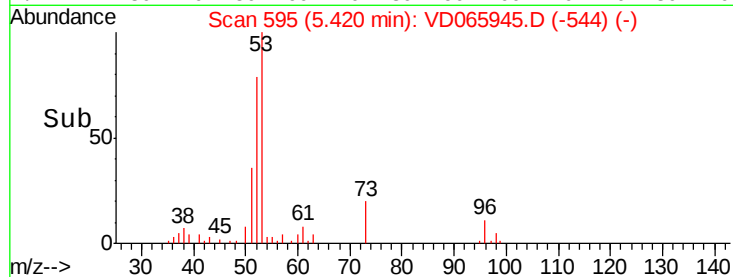
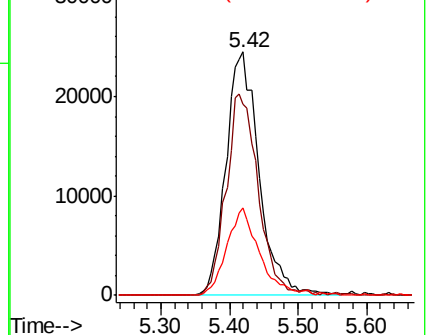
51 35.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 90.410 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065945.D

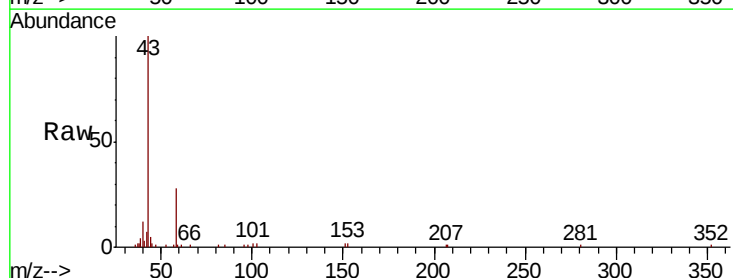
Acq: 10 Jul 2020 13:29

Tgt Ion: 43 Resp: 72376

Ion Ratio Lower Upper

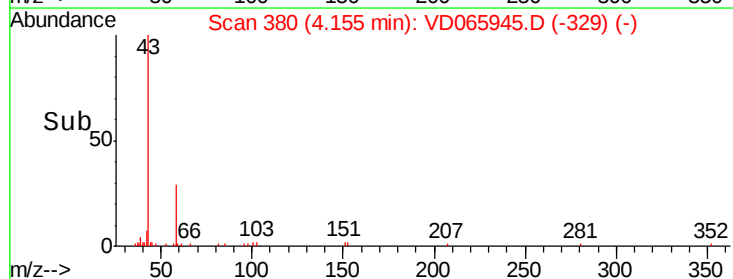
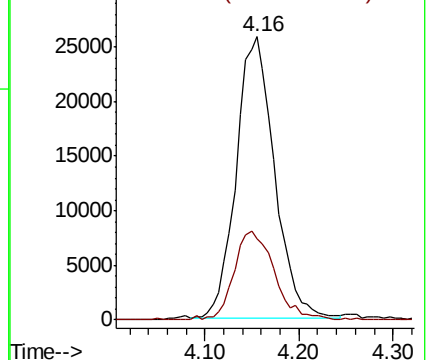
43 100

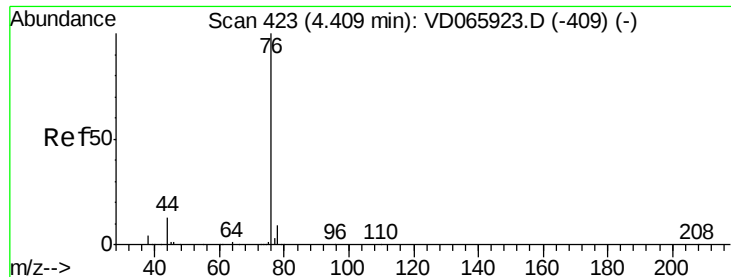
58 28.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

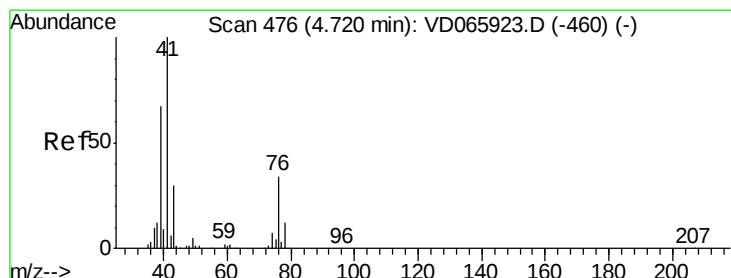
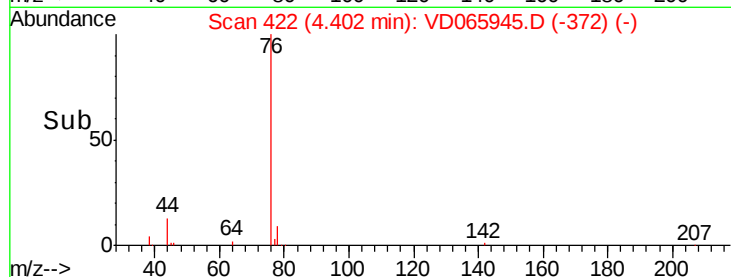
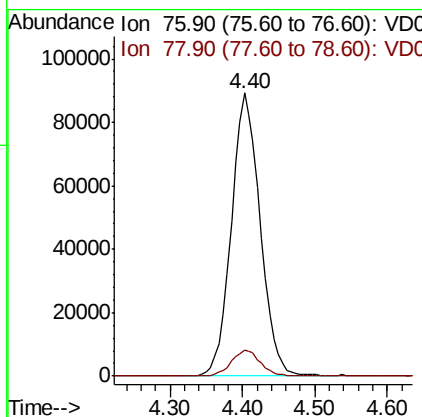
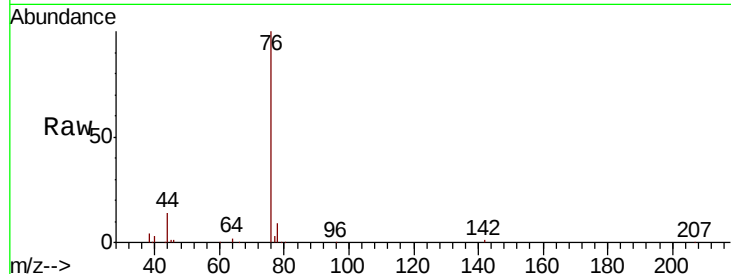




#17
Carbon Disulfide
Concen: 20.690 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

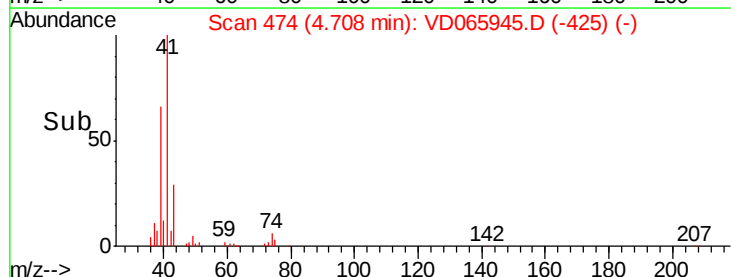
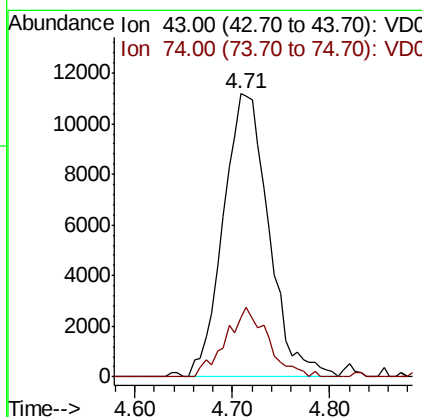
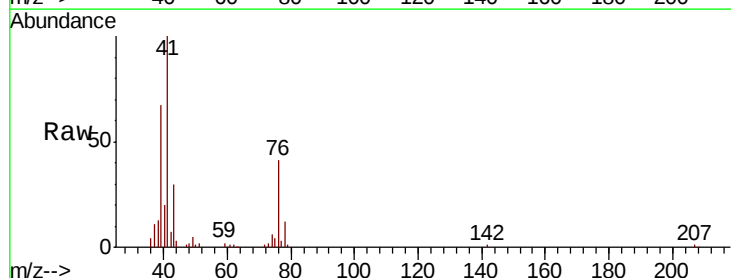
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

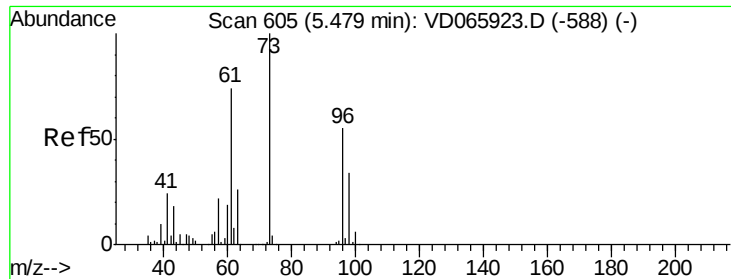
Tot Ion: 76 Resp: 246255
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 19.391 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion: 43 Resp: 36387
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8



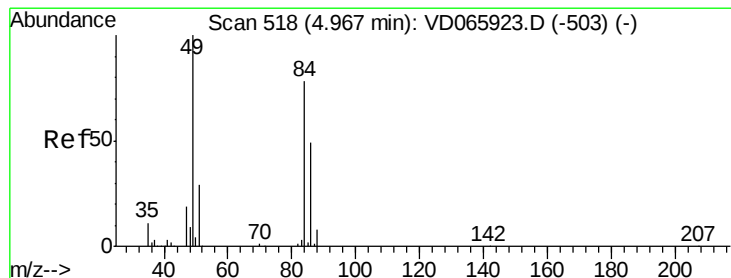
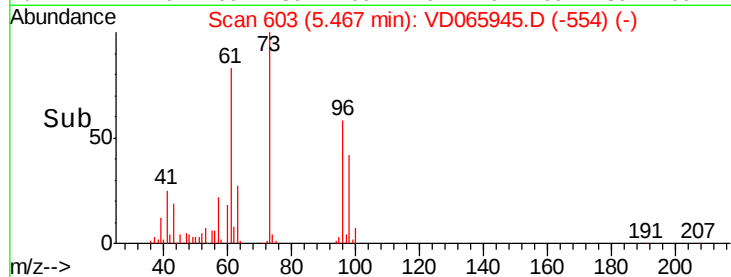
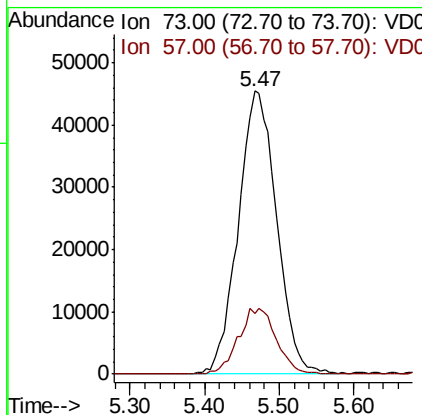
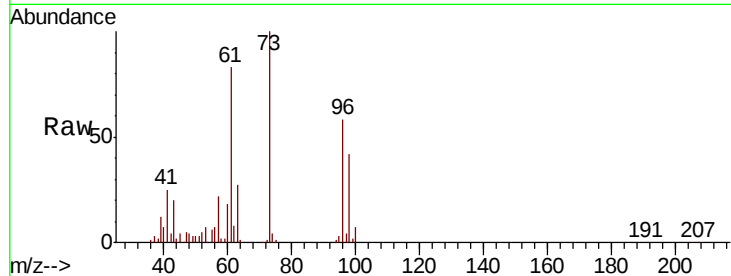


#19

Methyl tert-butyl Ether
 Concen: 20.500 ug/l
 RT: 5.47 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

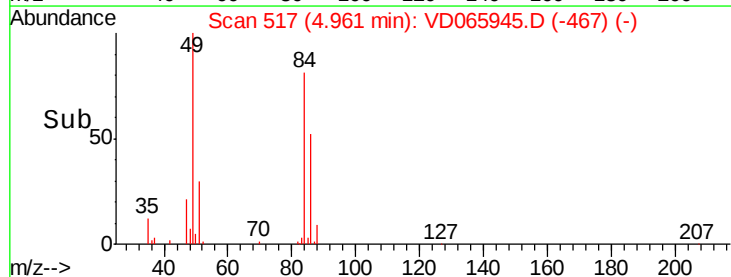
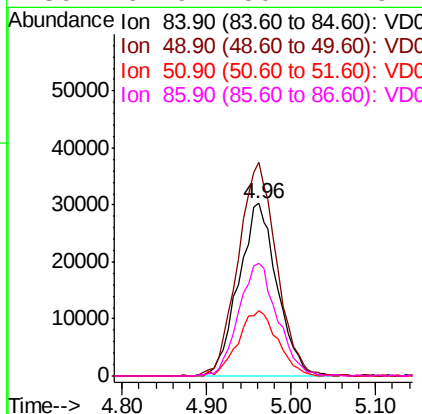
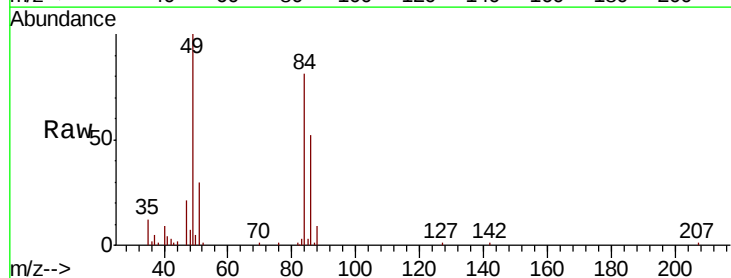
Tot Ion: 73 Resp: 162118
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.7 26.5

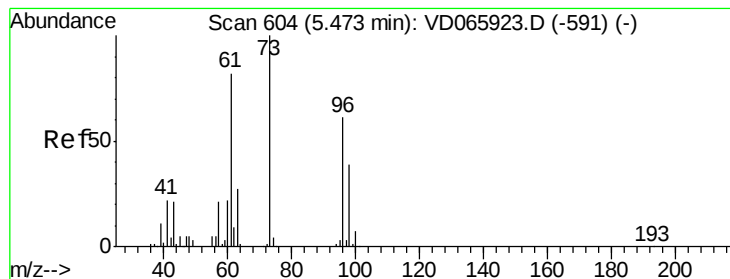


#20

Methylene Chloride
 Concen: 15.647 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Tgt Ion: 84 Resp: 95468
 Ion Ratio Lower Upper
 84 100
 49 123.8 102.2 153.2
 51 37.7 29.8 44.6
 86 64.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.590 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

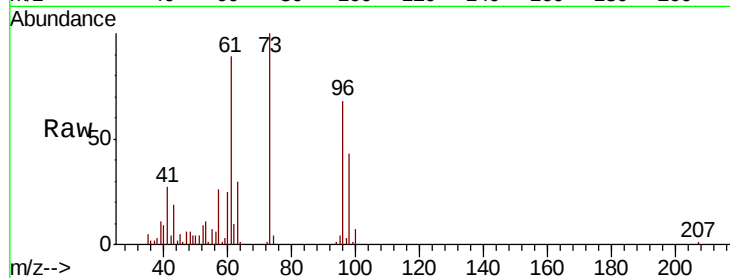
Tot Ion: 96 Resp: 86532

Ion Ratio Lower Upper

96 100

61 130.3 106.6 160.0

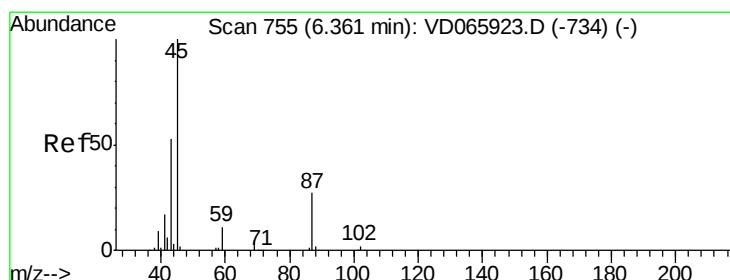
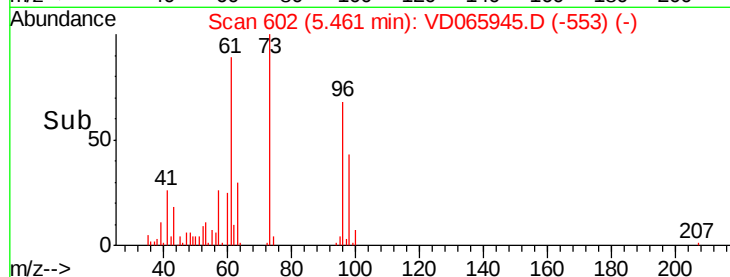
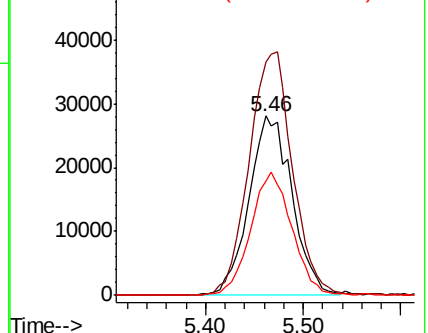
98 63.6 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.631 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Tgt Ion: 45 Resp: 245433

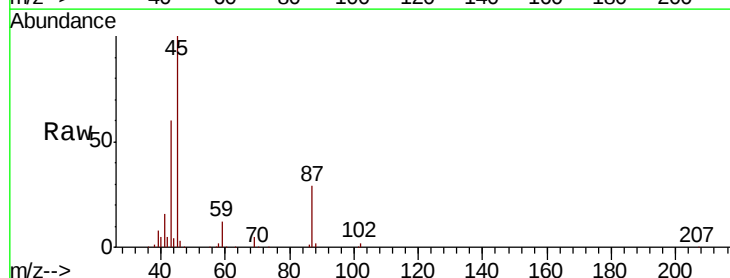
Ion Ratio Lower Upper

45 100

43 58.5 42.5 63.7

87 29.2 22.2 33.2

59 11.9 8.9 13.3

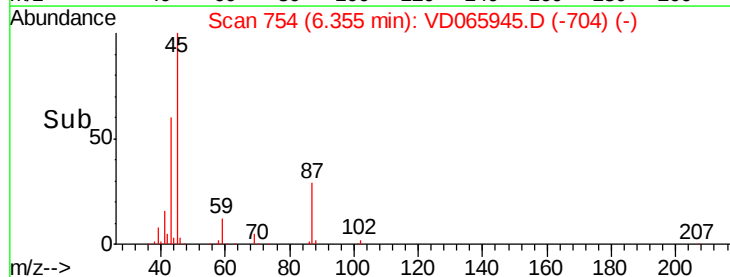
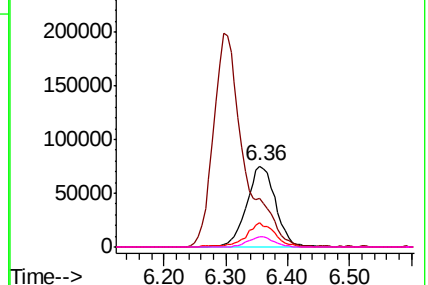


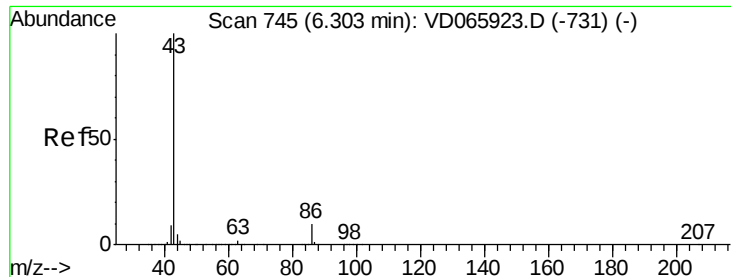
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 99.828 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

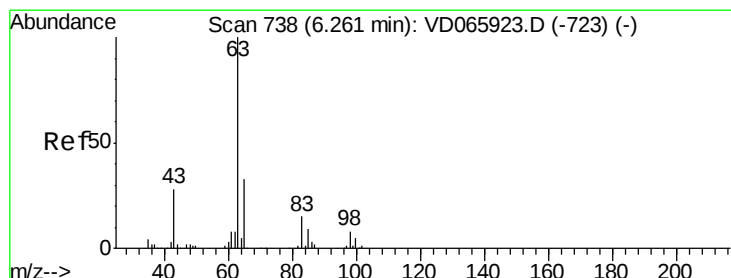
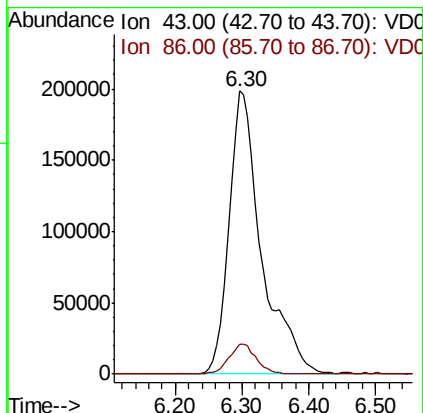
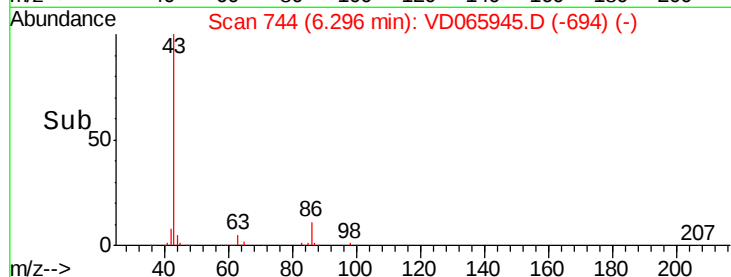
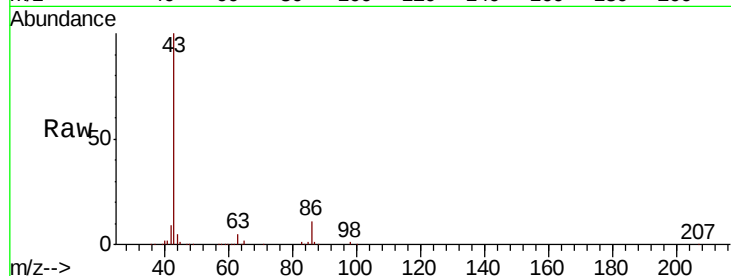
VD0710SBS01

Tot Ion: 43 Resp: 677860

Ion Ratio Lower Upper

43 100

86 10.8 8.1 12.1



#24

1,1-Dichloroethane

Concen: 20.790 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

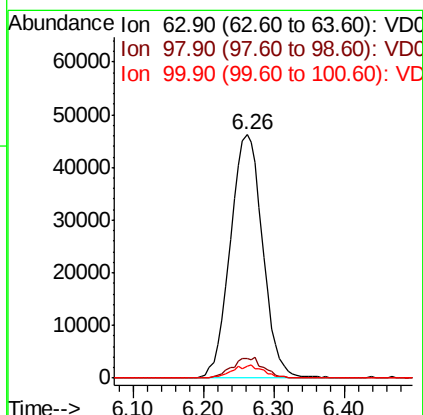
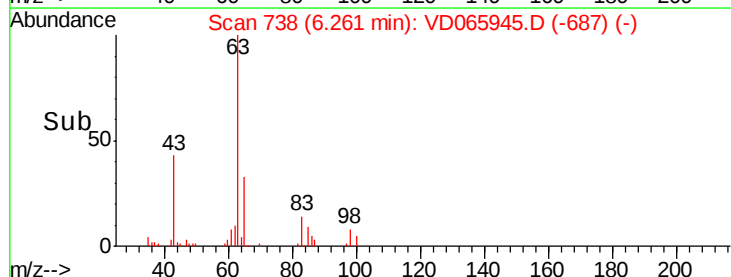
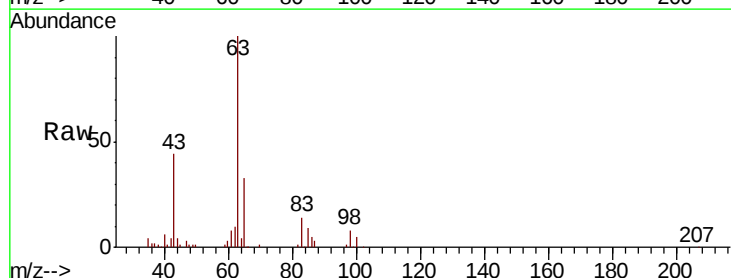
Tgt Ion: 63 Resp: 147475

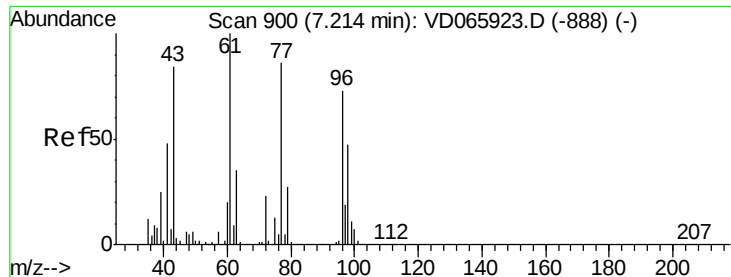
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

100 4.7 2.5 7.5

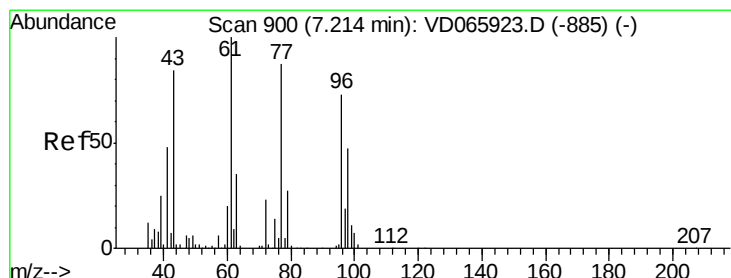
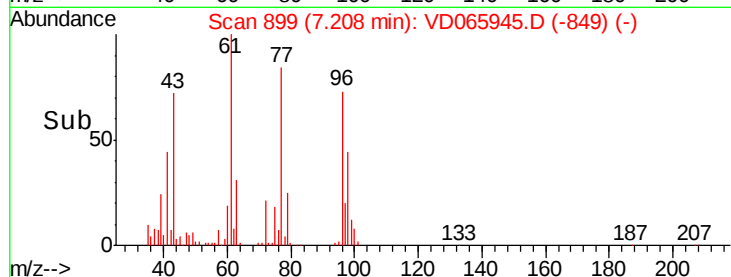
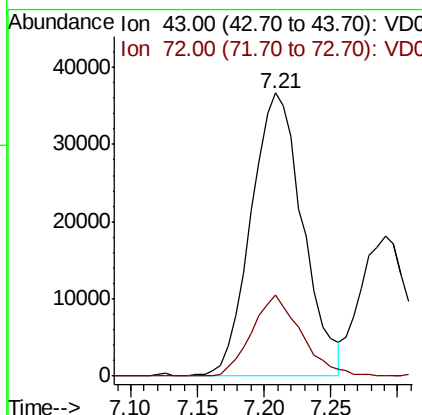
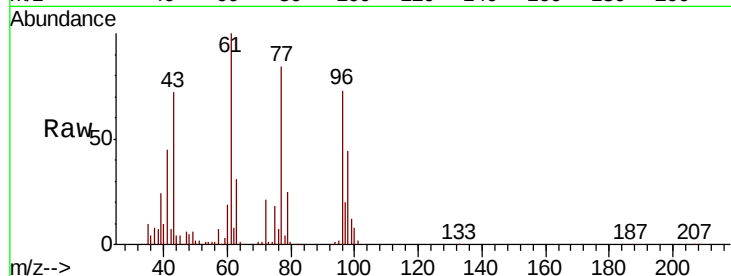




#25
2-Butanone
Concen: 93.348 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

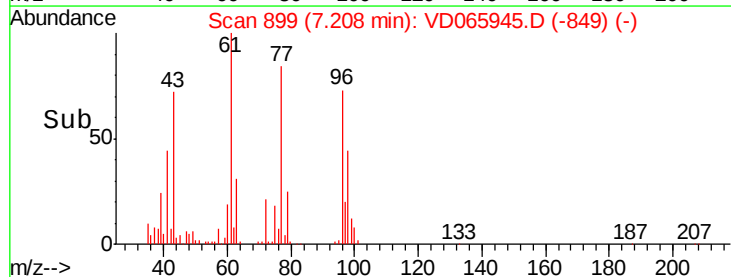
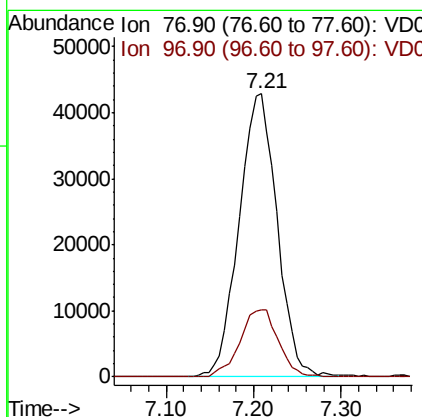
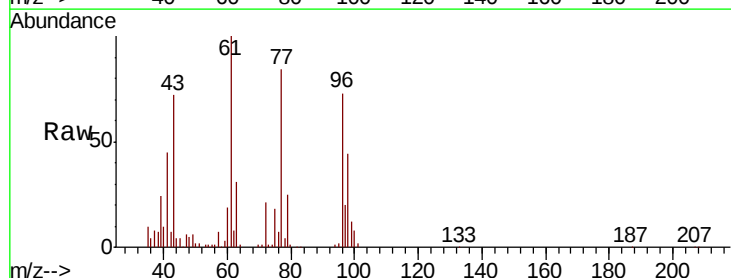
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

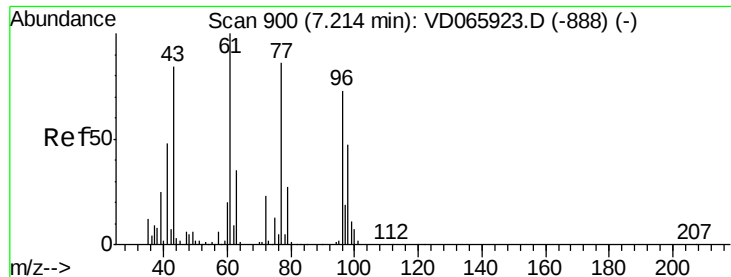
Tot Ion: 43 Resp: 98746
Ion Ratio Lower Upper
43 100
72 28.5 22.1 33.1



#26
2,2-Dichloropropane
Concen: 20.395 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion: 77 Resp: 126565
Ion Ratio Lower Upper
77 100
97 23.9 11.6 34.8



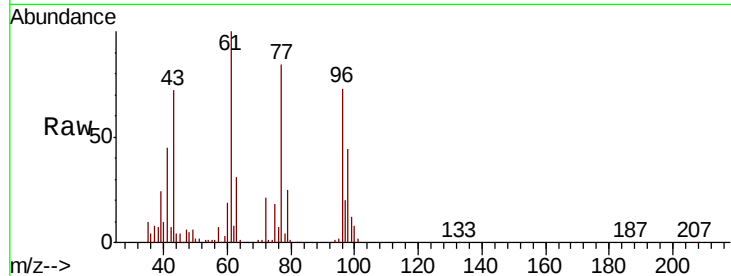


#27

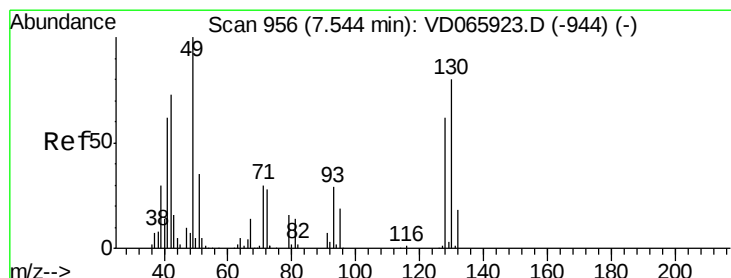
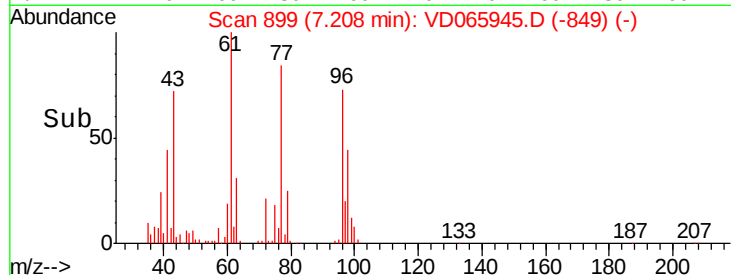
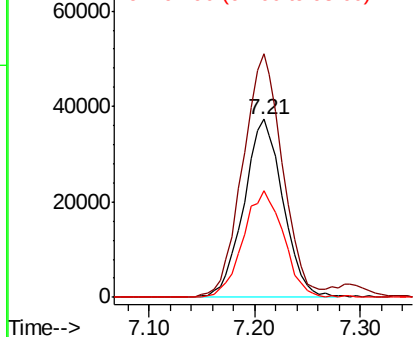
cis-1,2-Dichloroethene
 Concen: 21.330 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Tot Ion: 96 Resp: 96320
 Ion Ratio Lower Upper
 96 100
 61 139.1 0.0 286.6
 98 61.7 0.0 128.2



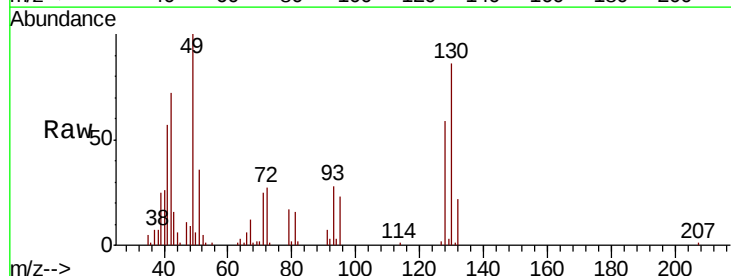
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



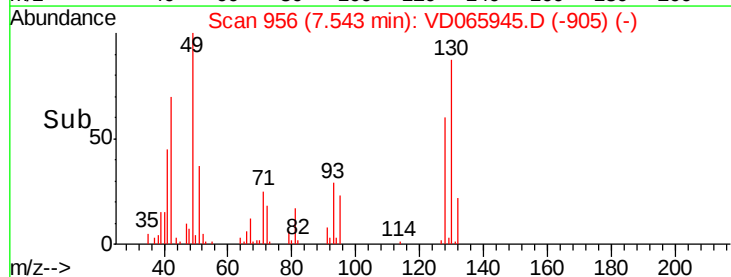
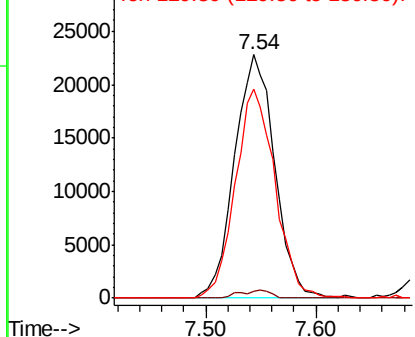
#28

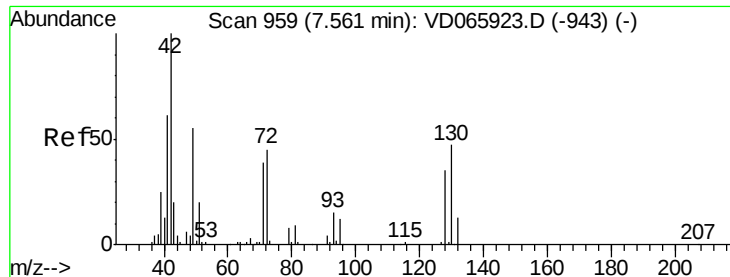
Bromochloromethane
 Concen: 21.719 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Tgt Ion: 49 Resp: 58199
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 85.1 65.8 98.8



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

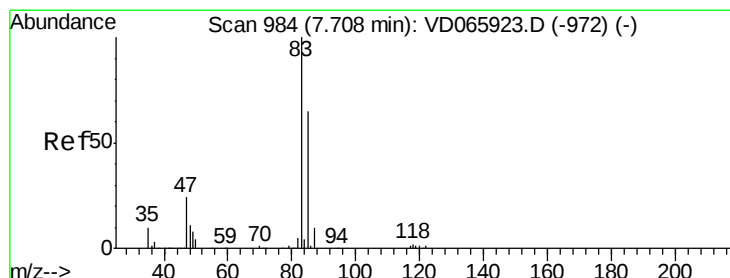
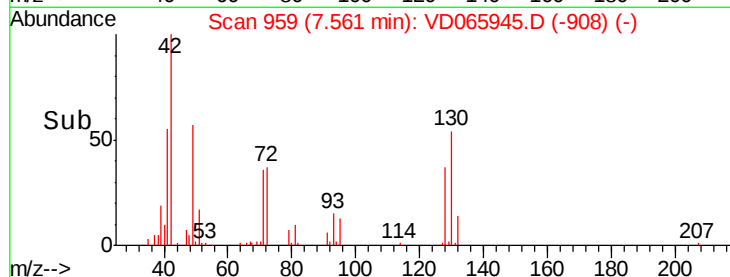
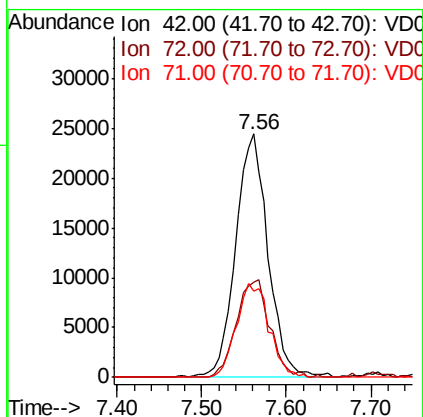
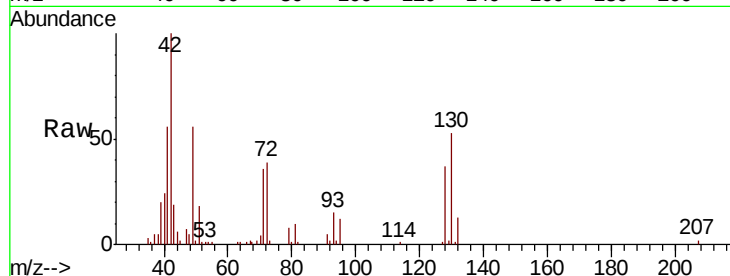




#29
Tetrahydrofuran
Concen: 96.157 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

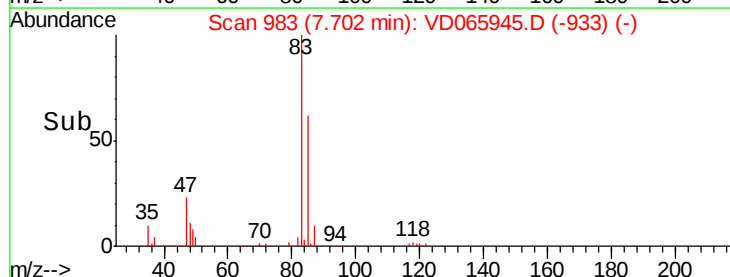
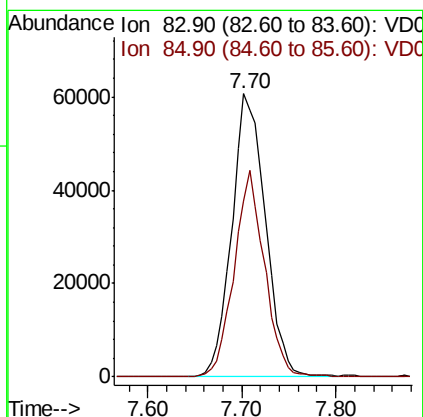
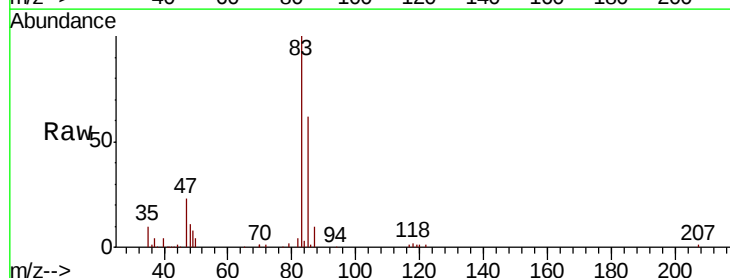
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

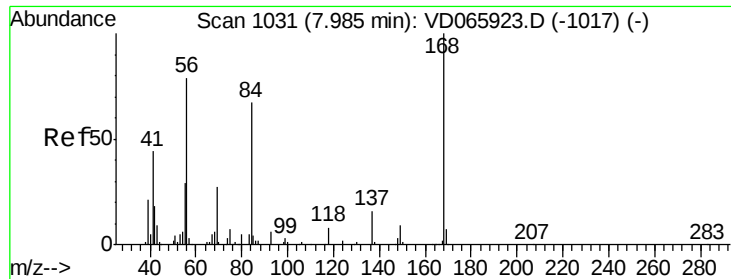
Tot Ion: 42 Resp: 64680
Ion Ratio Lower Upper
42 100
72 41.2 32.8 49.2
71 39.1 31.0 46.4



#30
Chloroform
Concen: 20.946 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion: 83 Resp: 150632
Ion Ratio Lower Upper
83 100
85 62.0 51.6 77.4





#31

Cyclohexane

Concen: 19.699 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

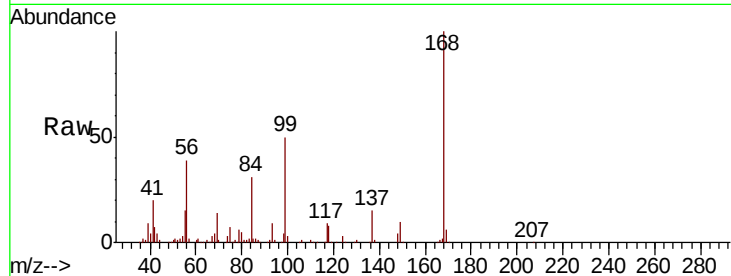
Tot Ion: 56 Resp: 137487

Ion Ratio Lower Upper

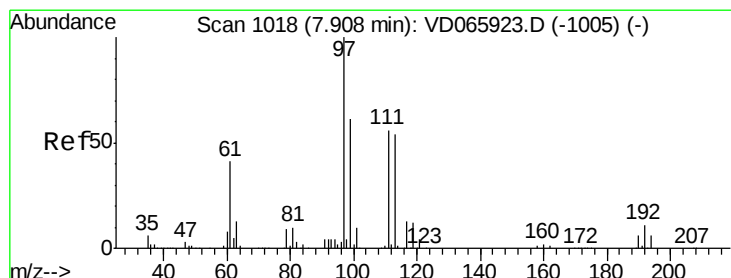
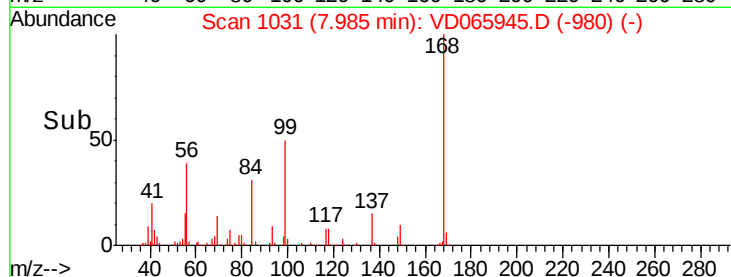
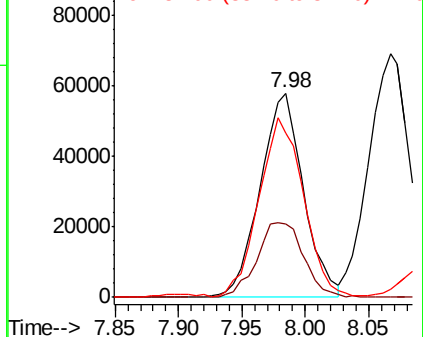
56 100

69 36.0 27.4 41.0

84 78.9 68.6 102.8



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: 21.164 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

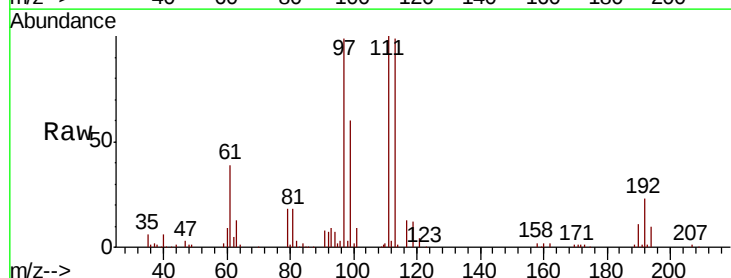
Tgt Ion: 97 Resp: 138891

Ion Ratio Lower Upper

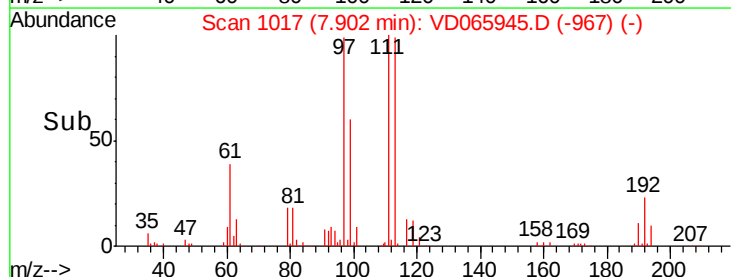
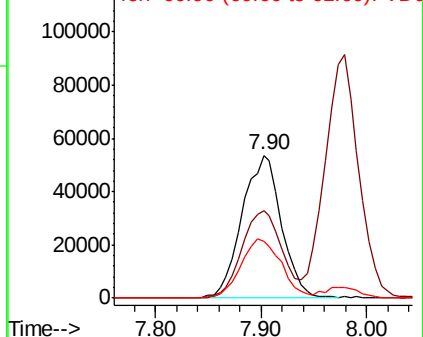
97 100

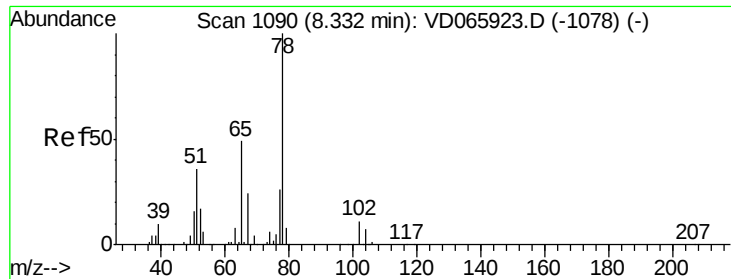
99 62.7 51.6 77.4

61 42.5 33.6 50.4



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

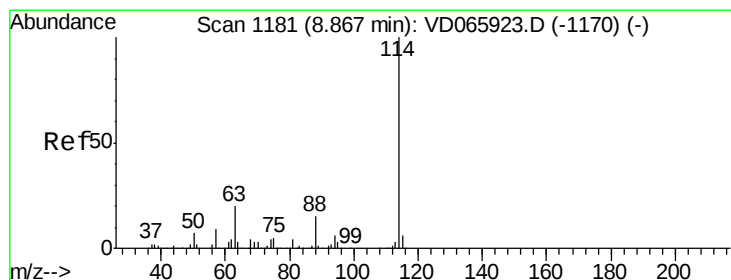
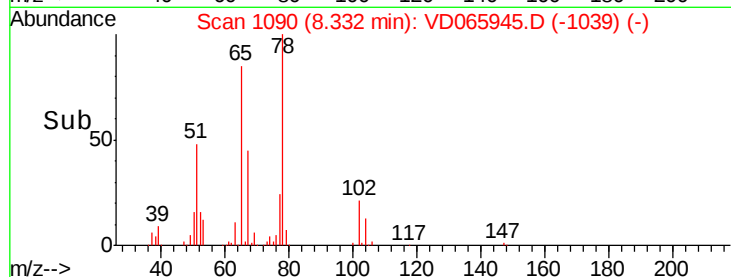
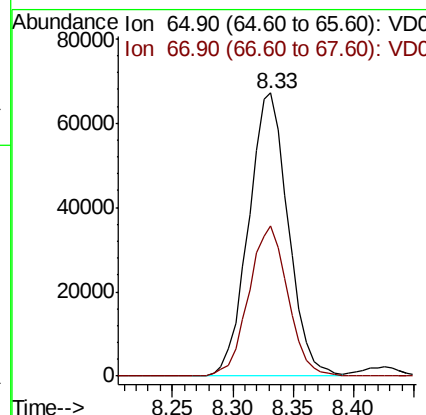
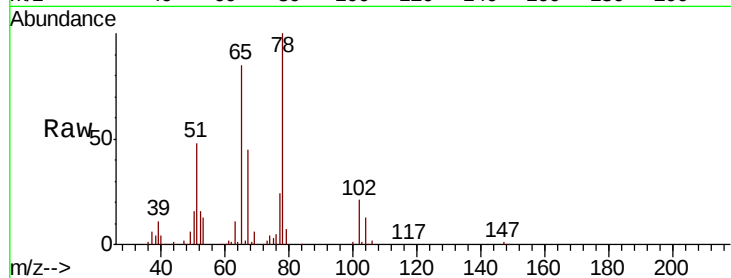




#33
 1,2-Dichloroethane-d4
 Concen: 44.952 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

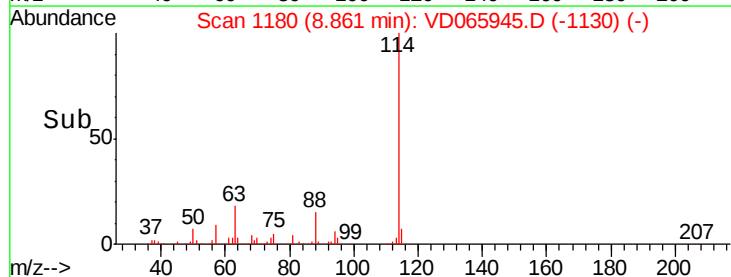
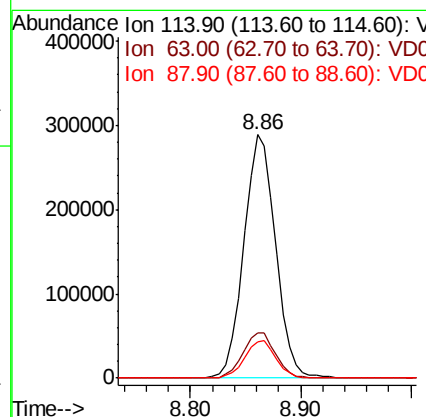
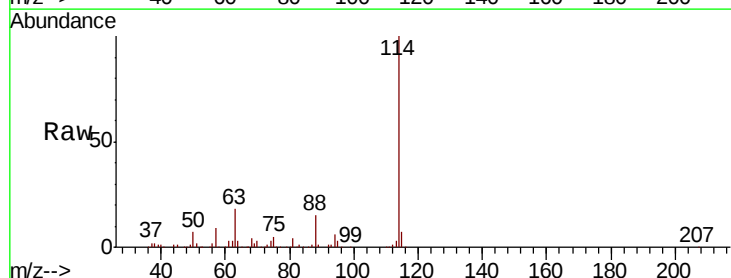
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

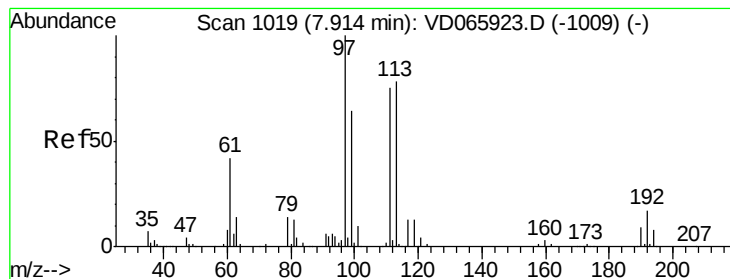
Tot Ion: 65 Resp: 153548
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Tgt Ion: 114 Resp: 583494
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 46.260 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

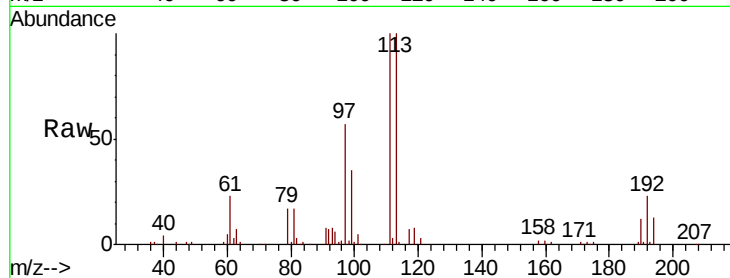
Tot Ion:113 Resp: 166515

Ion Ratio Lower Upper

113 100

111 103.0 80.9 121.3

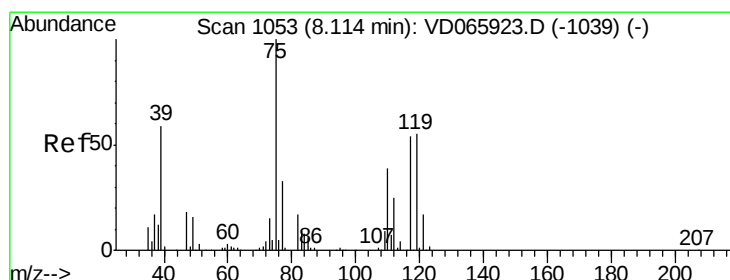
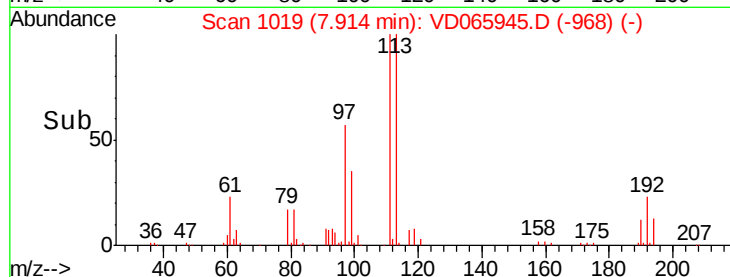
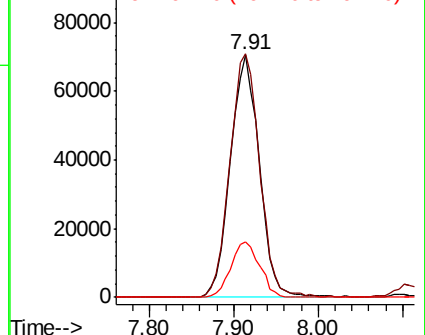
192 22.8 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.348 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

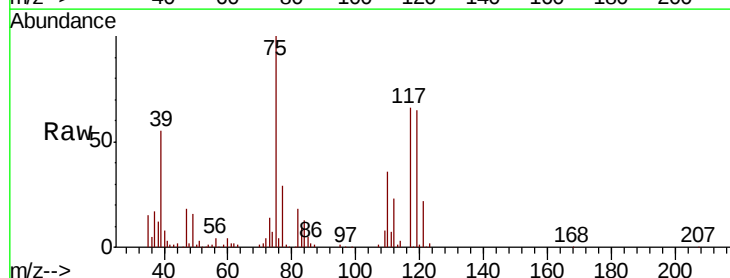
Tgt Ion: 75 Resp: 117262

Ion Ratio Lower Upper

75 100

110 37.5 18.5 55.5

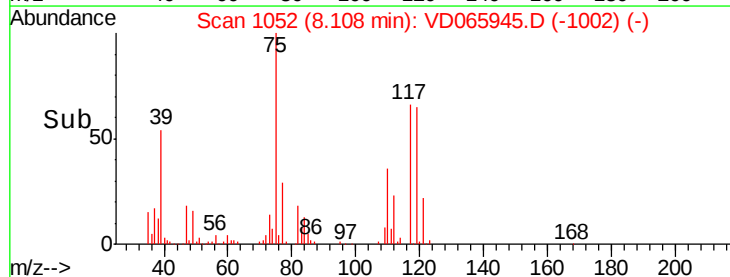
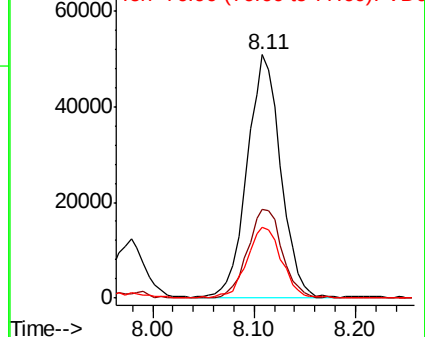
77 30.2 25.6 38.4

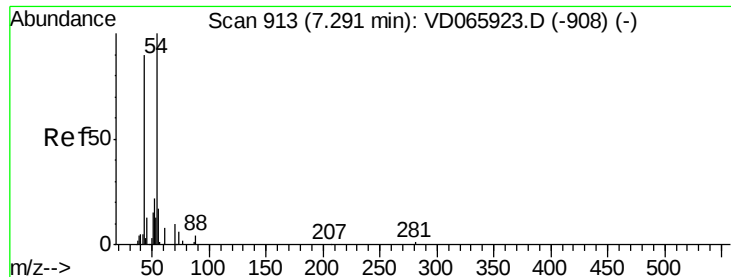


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

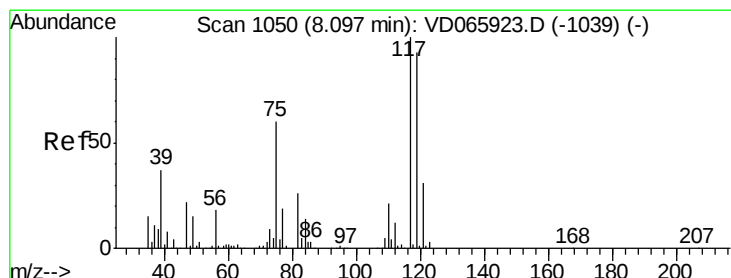
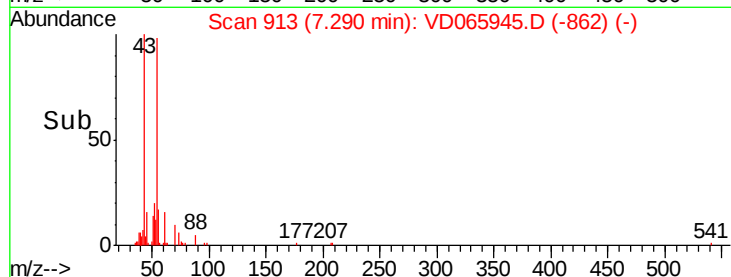
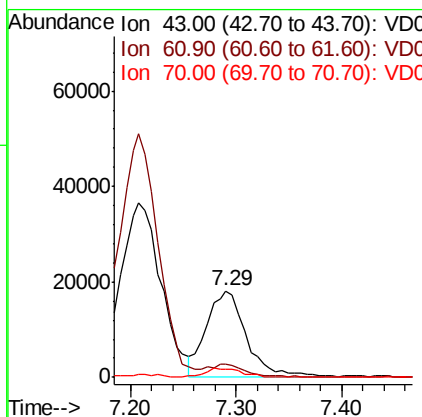
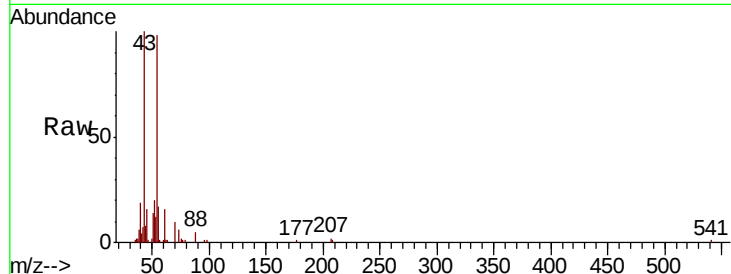




#37
Ethyl Acetate
Concen: 19.421 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

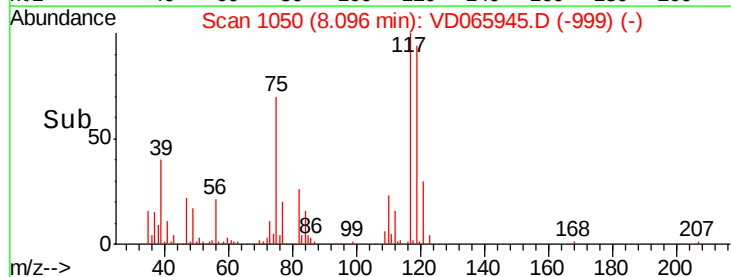
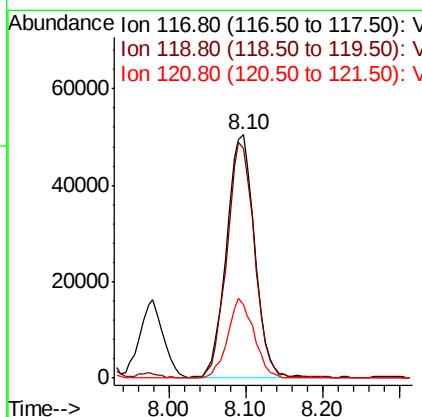
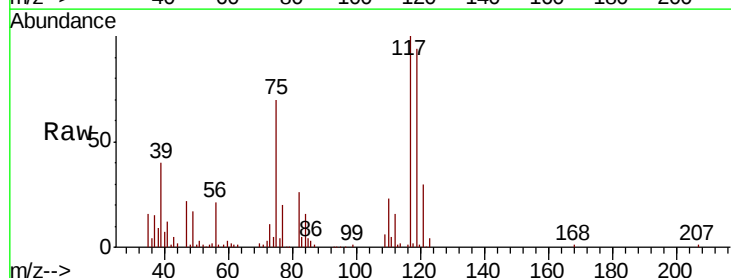
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

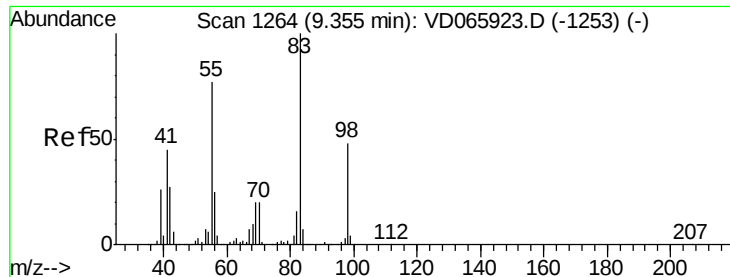
Tot Ion: 43 Resp: 46894
Ion Ratio Lower Upper
43 100
61 14.5 9.4 14.0#
70 9.6 8.3 12.5



#38
Carbon Tetrachloride
Concen: 20.950 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion: 117 Resp: 129403
Ion Ratio Lower Upper
117 100
119 94.4 74.7 112.1
121 30.2 24.9 37.3

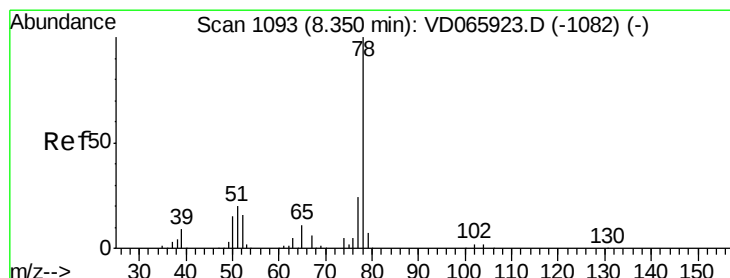
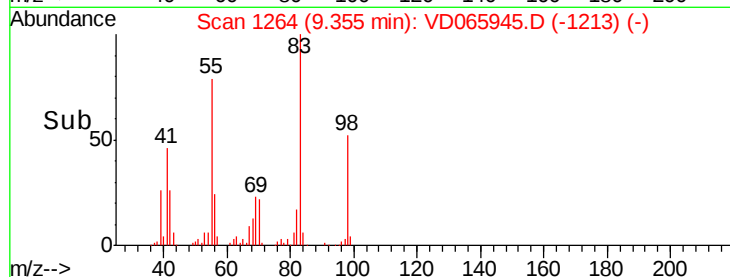
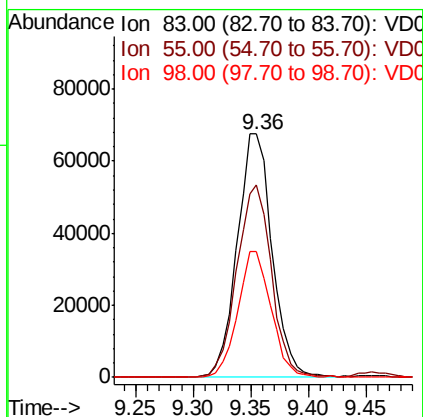
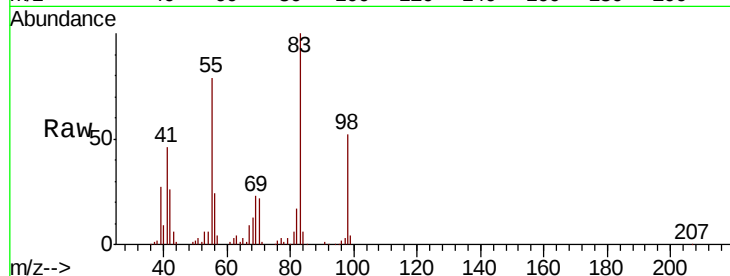




#39
Methvlcvclohexane
Concen: 20.107 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

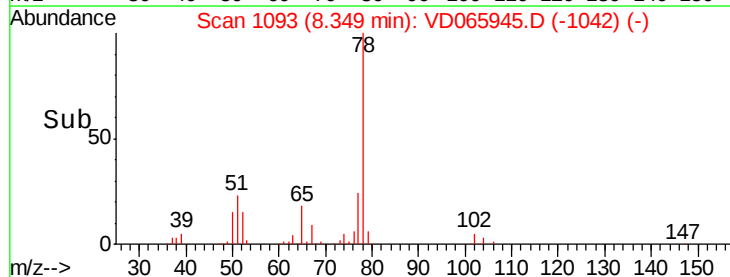
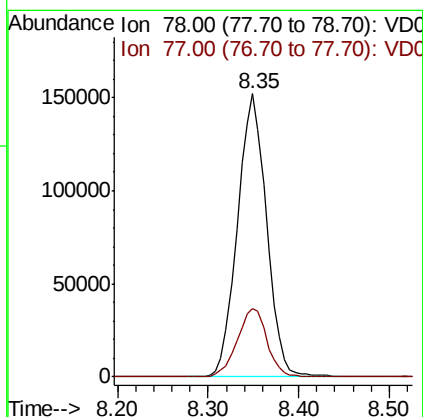
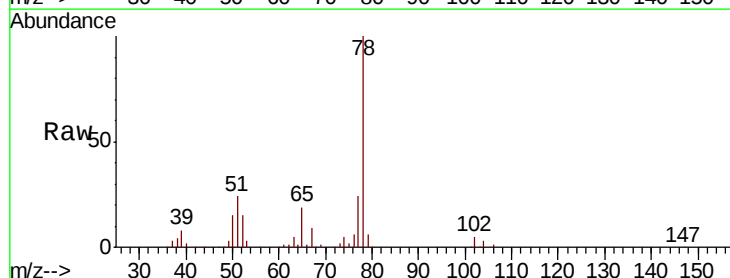
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

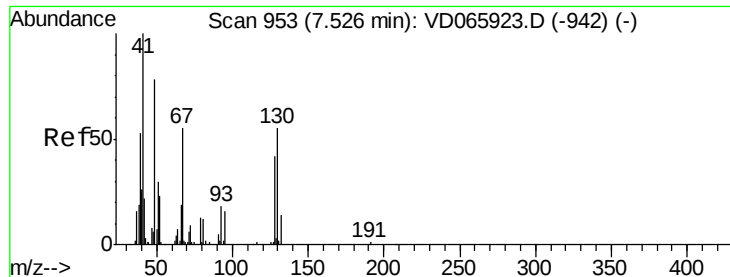
Tot Ion: 83 Resp: 142256
Ion Ratio Lower Upper
83 100
55 78.8 61.7 92.5
98 51.8 38.6 58.0



#40
Benzene
Concen: 21.286 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion: 78 Resp: 338893
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0





#41

Methacrylonitrile

Concen: 21.463 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

Tot Ion: 41 Resp: 30089

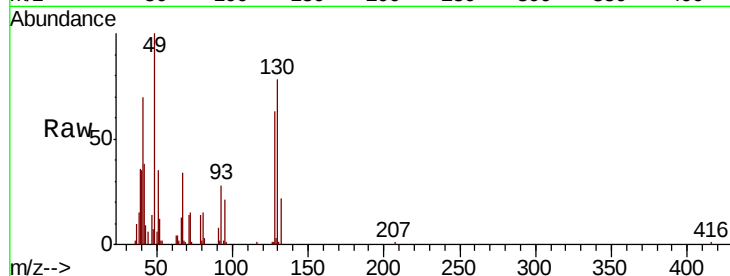
Ion Ratio Lower Upper

41 100

39 37.8 42.4 63.6#

67 64.3 53.6 80.4

52 27.1 22.2 33.2

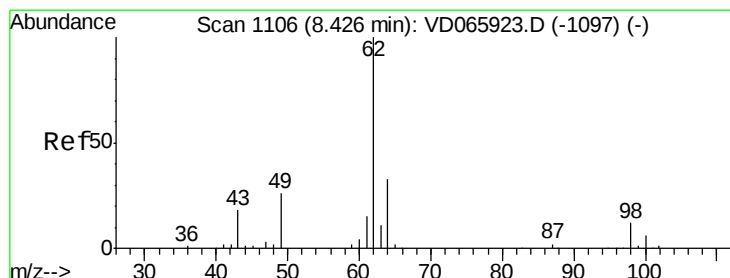
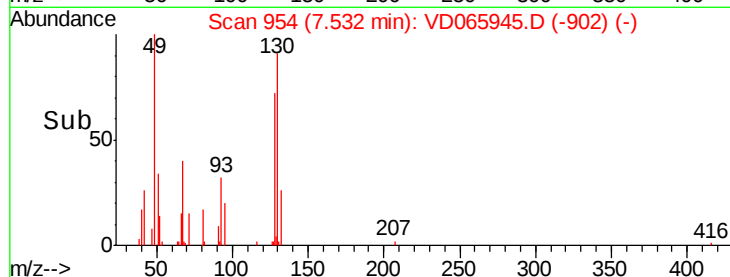
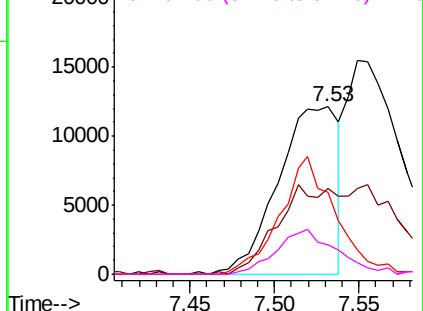


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.203 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD065945.D

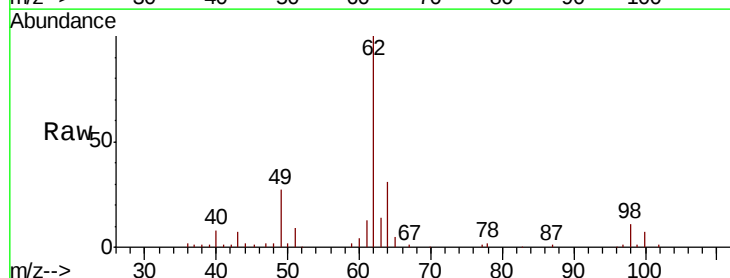
Acq: 10 Jul 2020 13:29

Tgt Ion: 62 Resp: 95628

Ion Ratio Lower Upper

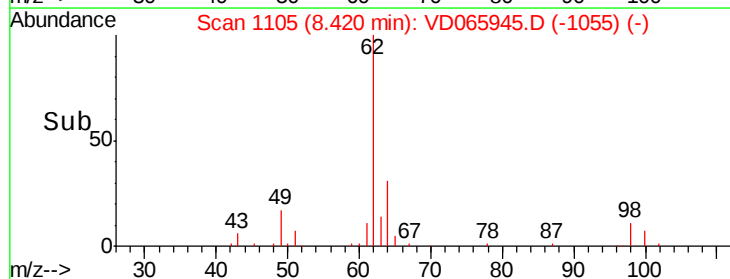
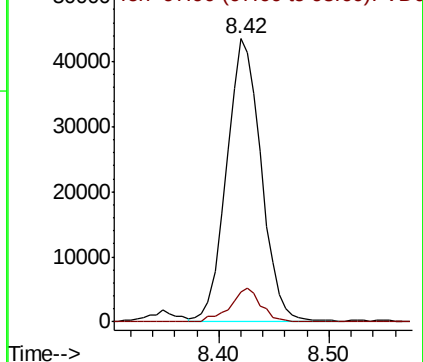
62 100

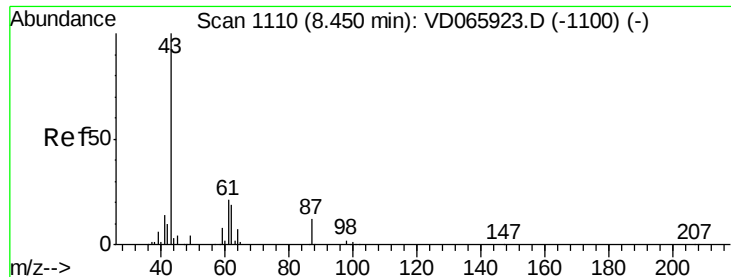
98 10.4 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.691 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

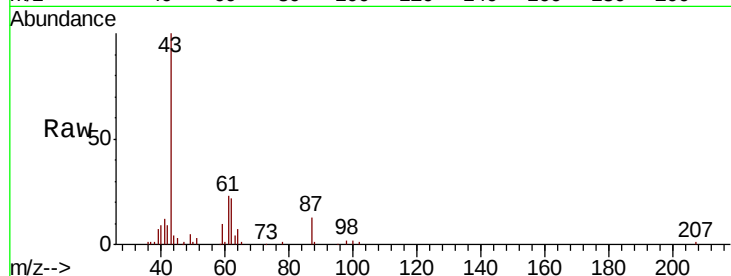
Tot Ion: 43 Resp: 88503

Ion Ratio Lower Upper

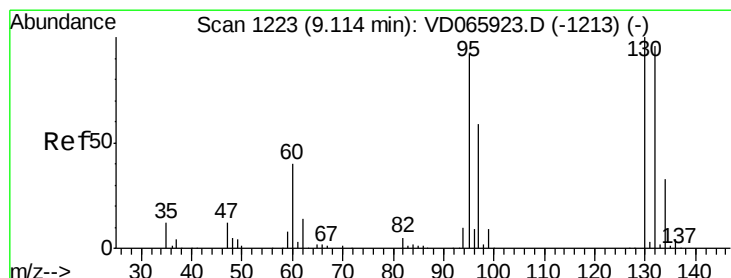
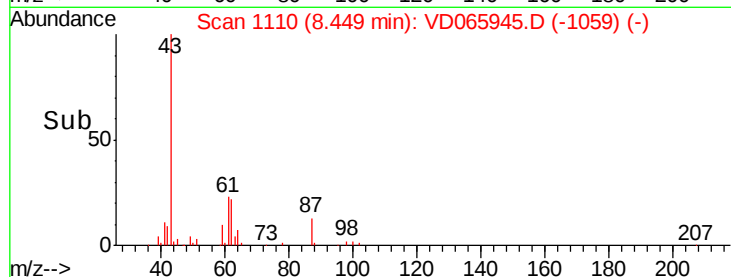
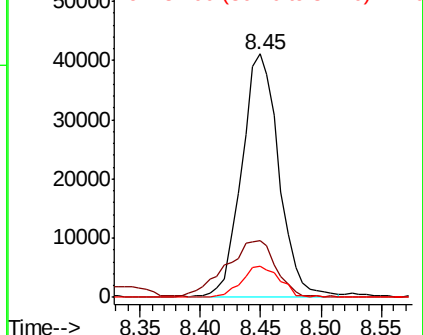
43 100

61 31.2 23.2 34.8

87 13.2 10.0 15.0



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



#44

Trichloroethene

Concen: 20.567 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065945.D

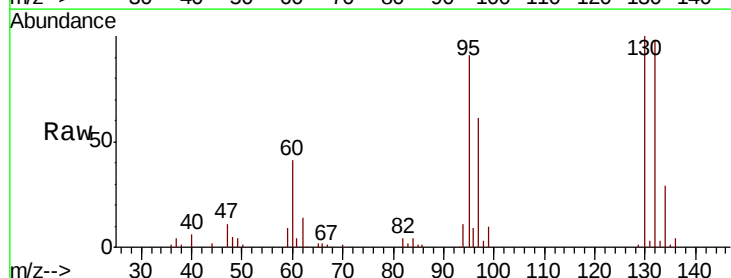
Acq: 10 Jul 2020 13:29

Tgt Ion: 130 Resp: 96209

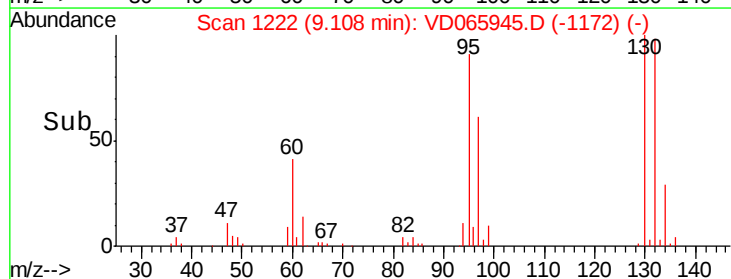
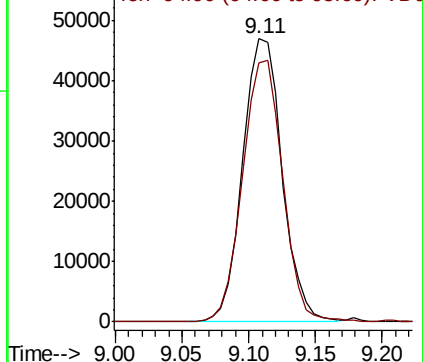
Ion Ratio Lower Upper

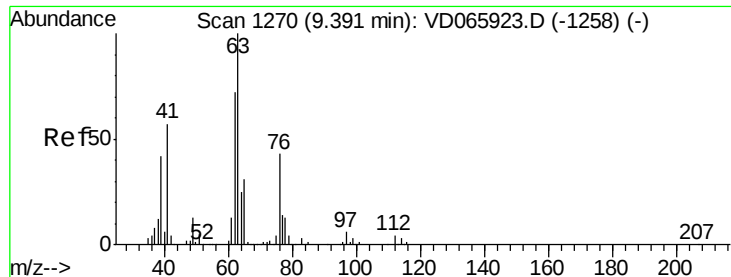
130 100

95 91.4 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 21.598 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

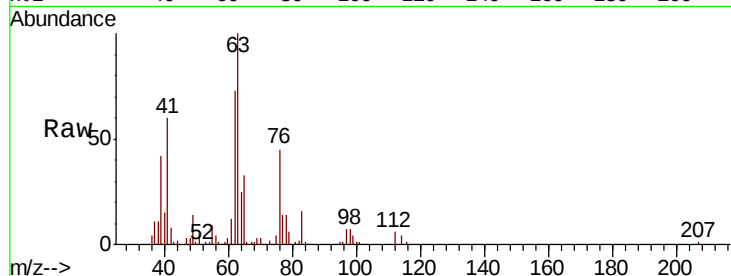
VD0710SBS01

Tot Ion: 63 Resp: 85345

Ion Ratio Lower Upper

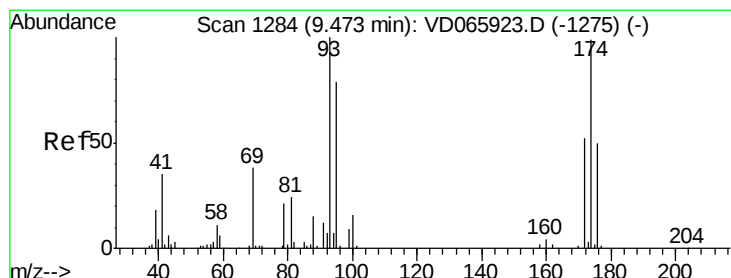
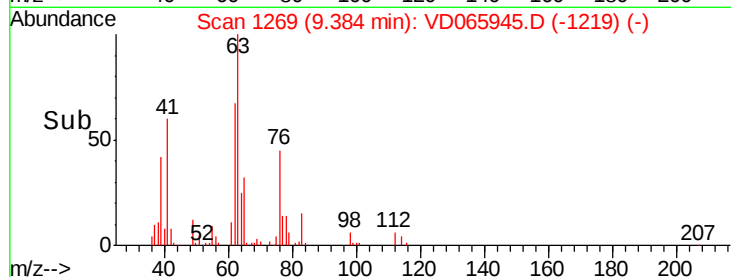
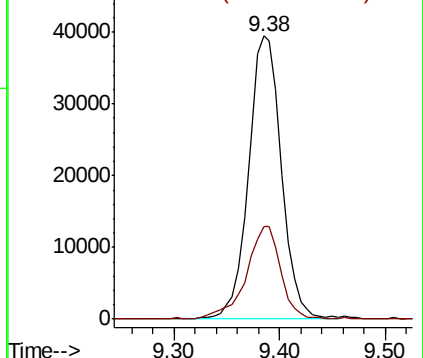
63 100

65 32.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.024 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

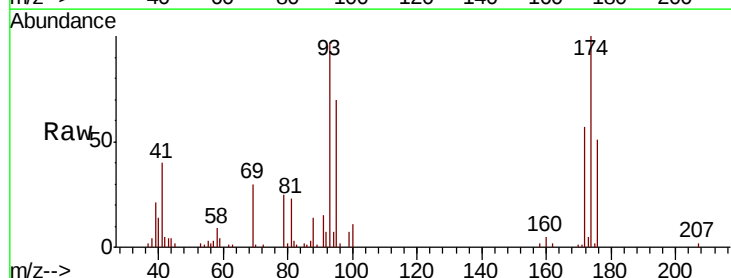
Tgt Ion: 93 Resp: 43252

Ion Ratio Lower Upper

93 100

95 81.2 68.2 102.2

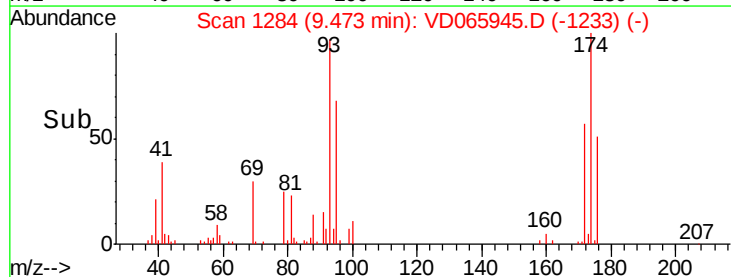
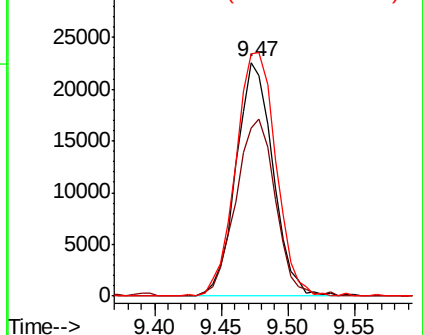
174 113.8 88.0 132.0

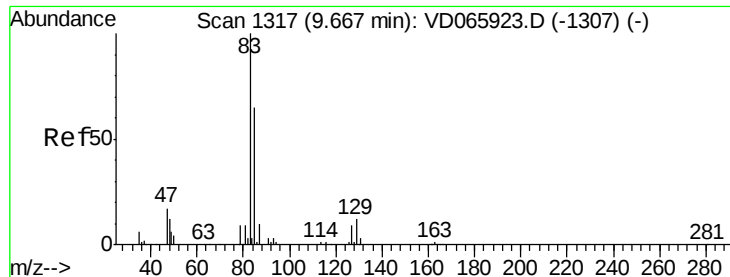


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.922 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

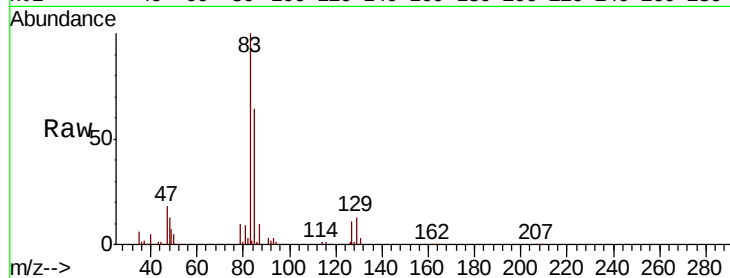
Tot Ion: 83 Resp: 115458

Ion Ratio Lower Upper

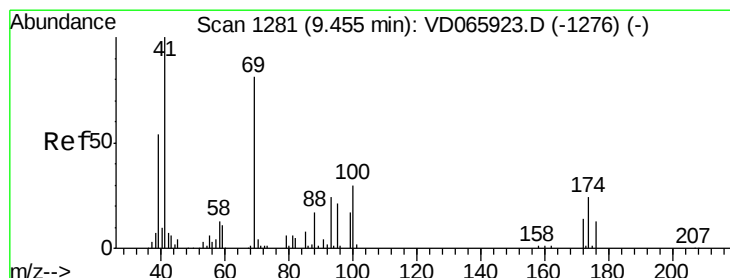
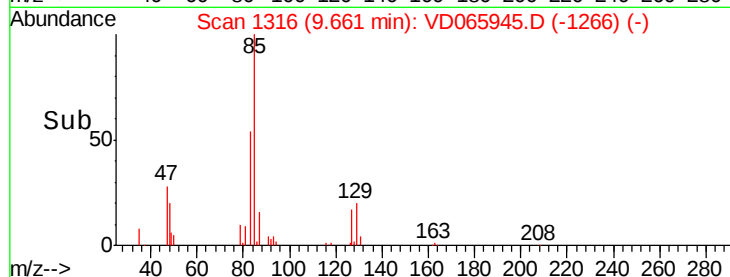
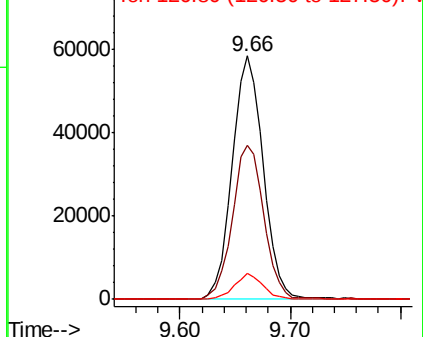
83 100

85 63.5 51.6 77.4

127 10.9 7.2 10.8#



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



#48

Methyl methacrylate

Concen: 19.805 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

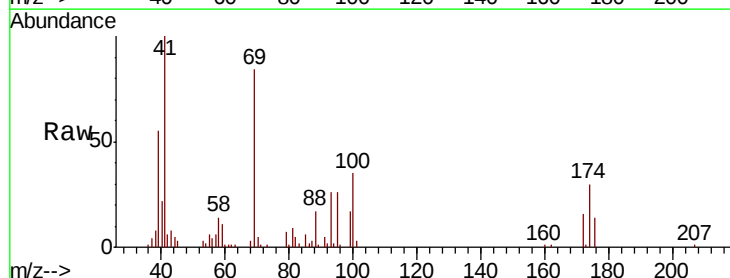
Tgt Ion: 41 Resp: 44811

Ion Ratio Lower Upper

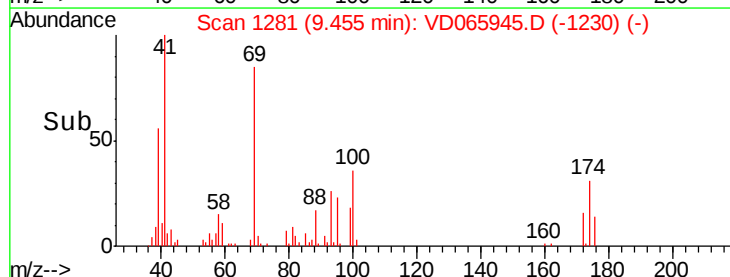
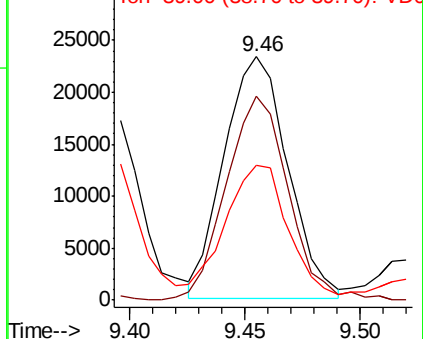
41 100

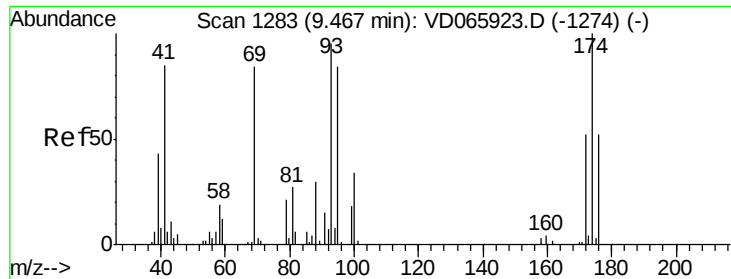
69 82.3 62.2 93.4

39 51.6 39.9 59.9



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





#49

1,4-Dioxane

Concen: 402.555 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

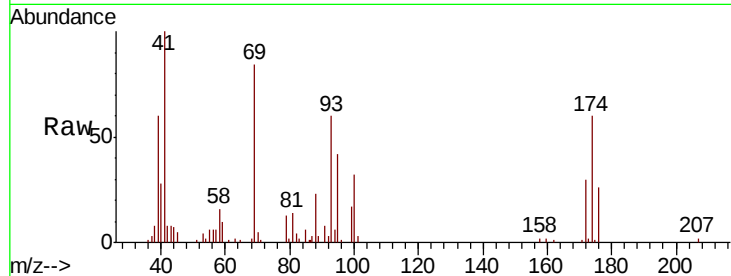
Tot Ion: 88 Resp: 9840

Ion Ratio Lower Upper

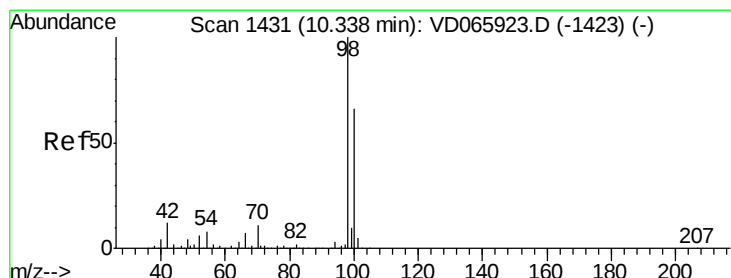
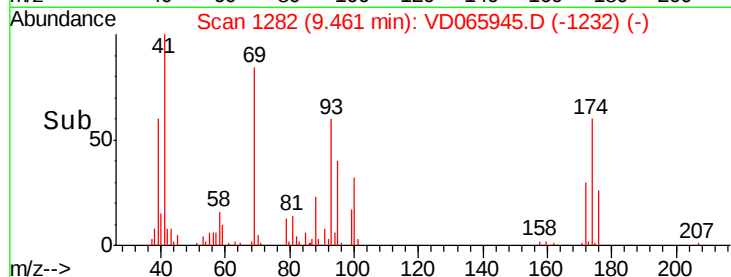
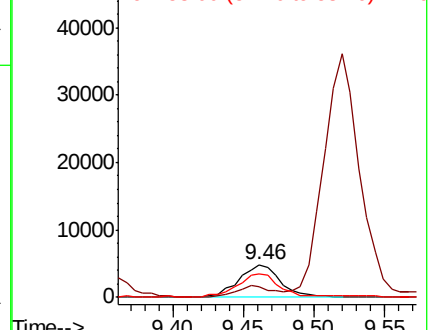
88 100

43 32.1 28.2 42.4

58 74.2 58.6 87.8



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



#50

Toluene-d8

Concen: 46.581 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD065945.D

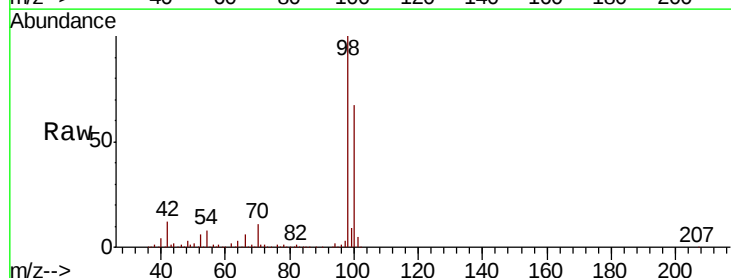
Acq: 10 Jul 2020 13:29

Tgt Ion: 98 Resp: 611770

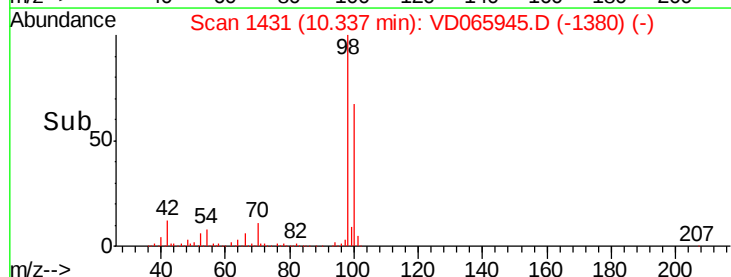
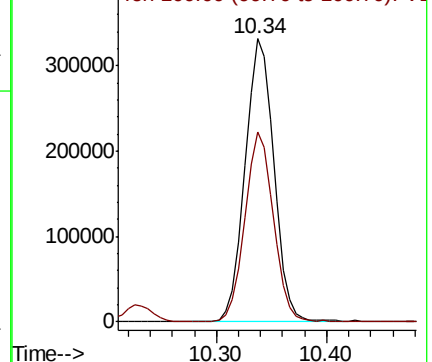
Ion Ratio Lower Upper

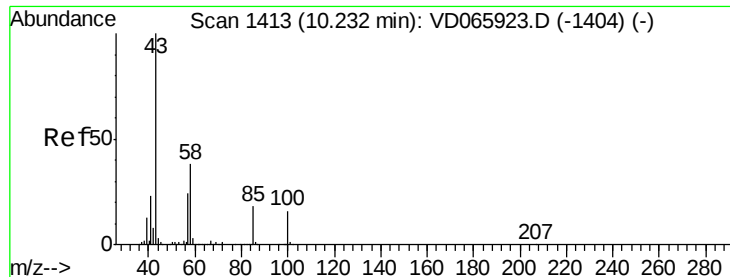
98 100

100 66.5 53.1 79.7



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





#51

4-Methyl-2-Pentanone

Concen: 98.347 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

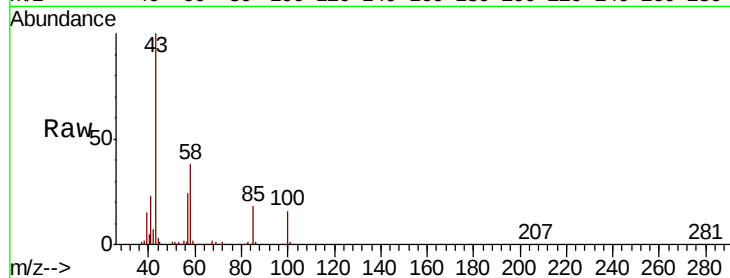
VD0710SBS01

Tot Ion: 43 Resp: 223472

Ion Ratio Lower Upper

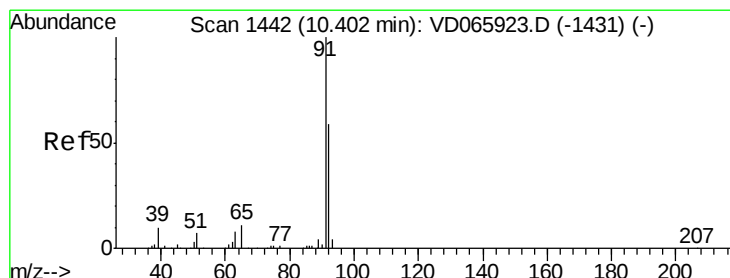
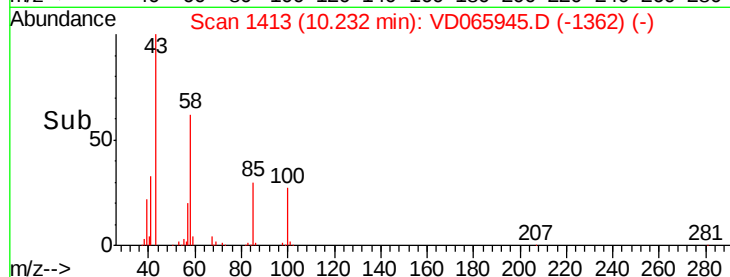
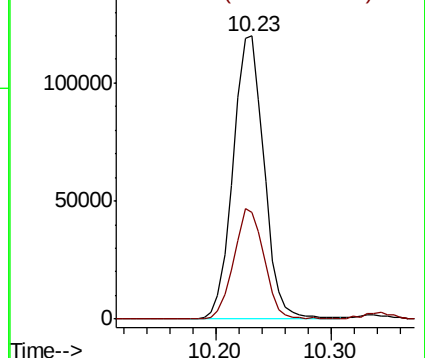
43 100

58 38.0 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.686 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065945.D

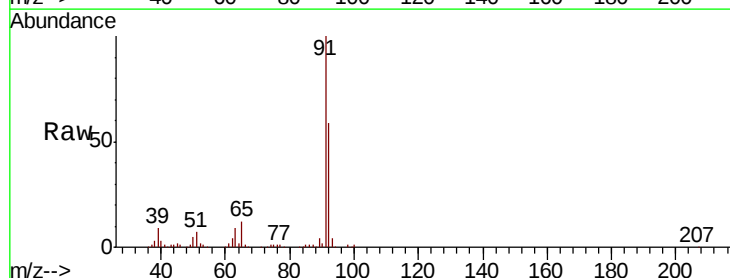
Acq: 10 Jul 2020 13:29

Tgt Ion: 92 Resp: 219647

Ion Ratio Lower Upper

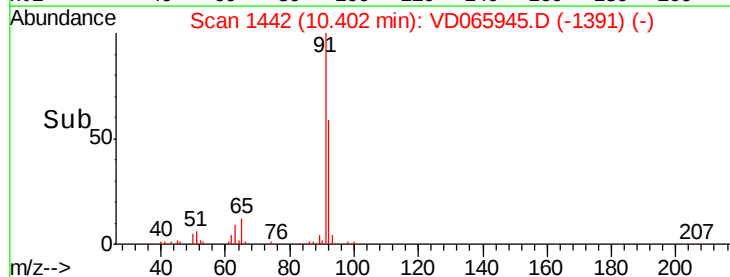
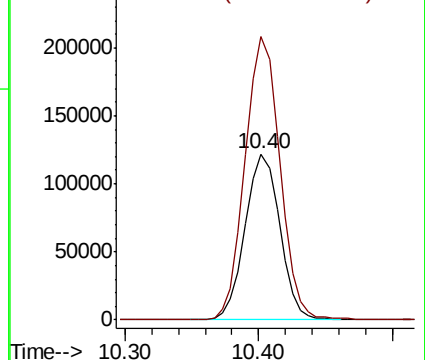
92 100

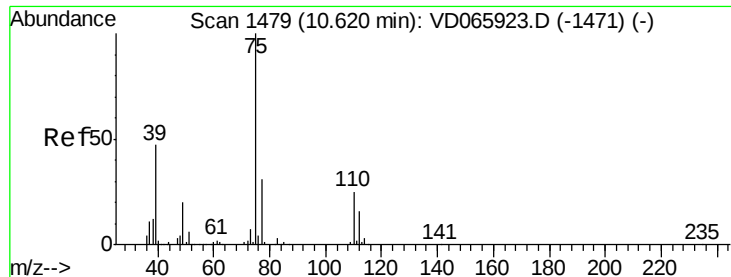
91 172.0 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.655 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

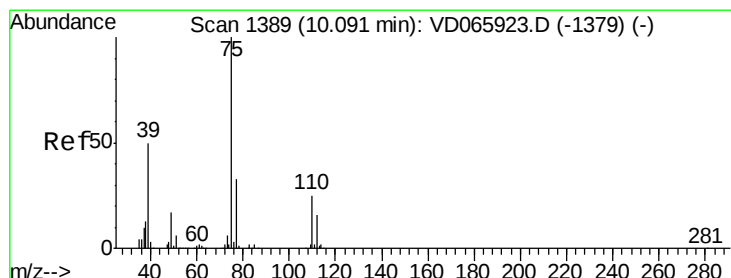
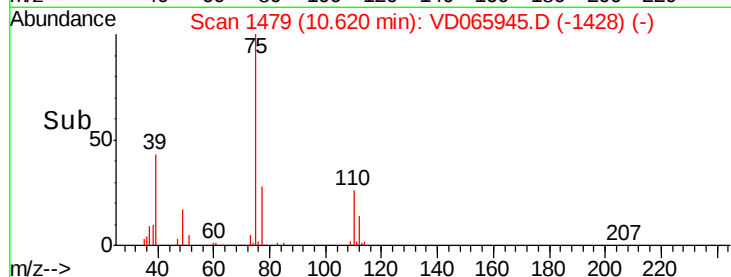
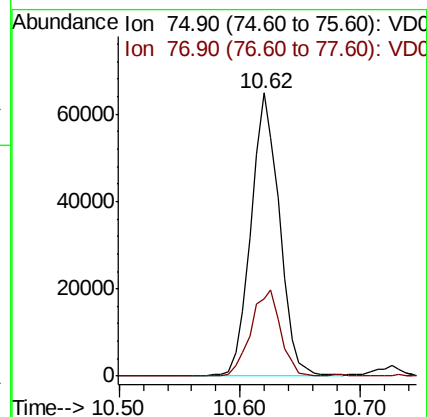
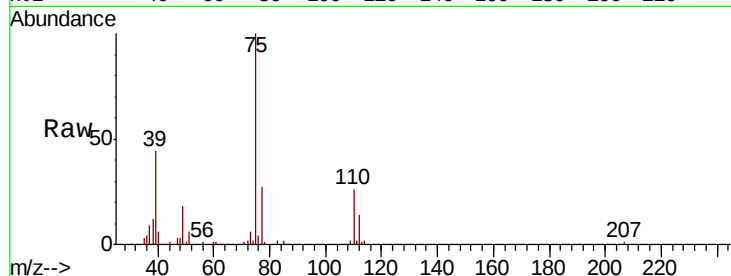
VD0710SBS01

Tot Ion: 75 Resp: 107174

Ion Ratio Lower Upper

75 100

77 27.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.686 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

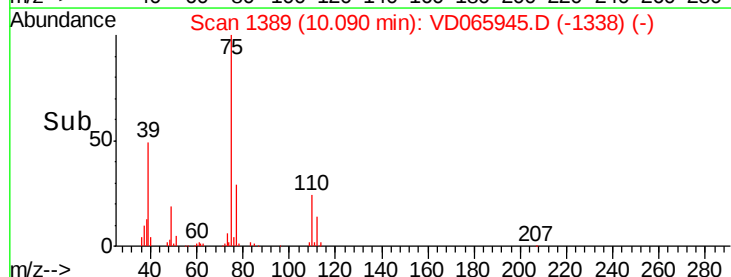
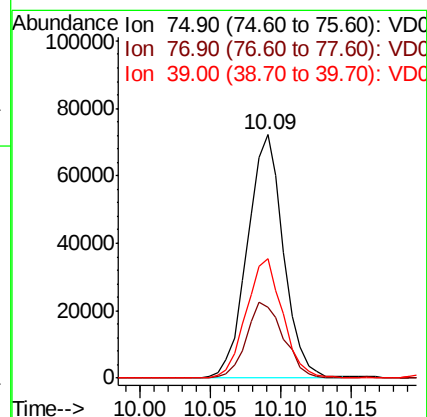
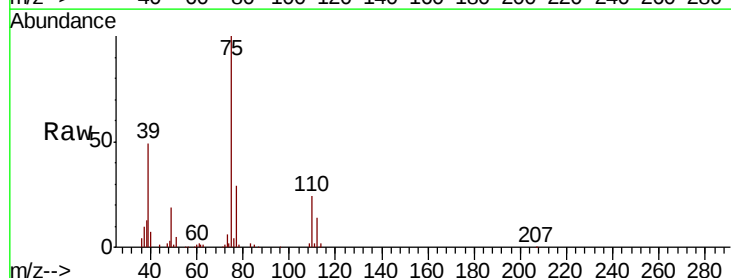
Tgt Ion: 75 Resp: 129699

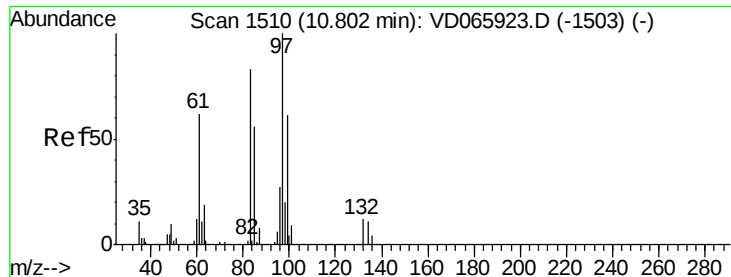
Ion Ratio Lower Upper

75 100

77 29.1 26.6 39.8

39 48.8 39.6 59.4

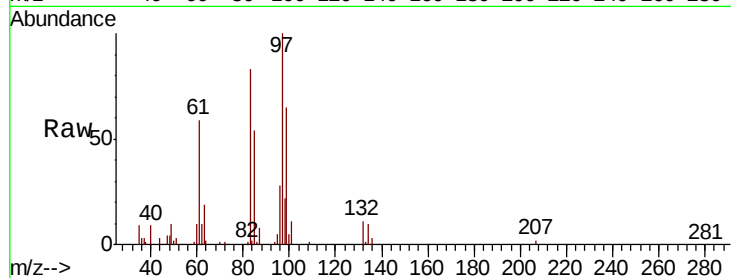




#55
 1,1,2-Trichloroethane
 Concen: 21.496 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Tot Ion:	97	Resp:	60929
Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.9	100.3
85	54.0	44.5	66.7
99	65.0	49.2	73.8



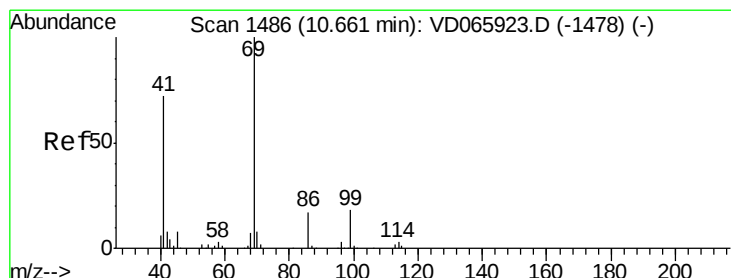
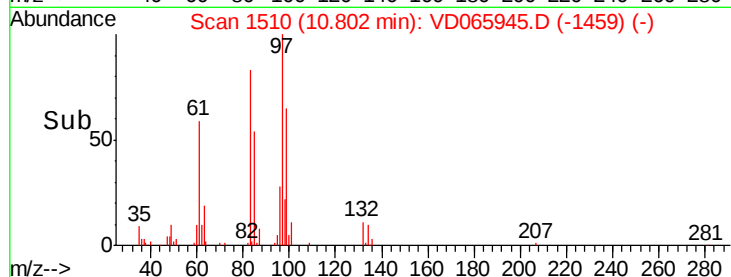
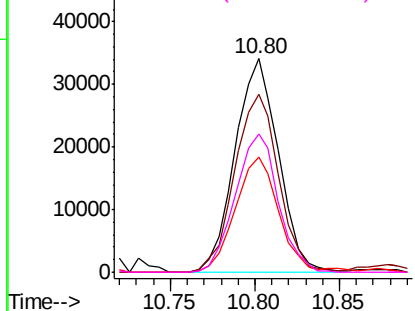
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

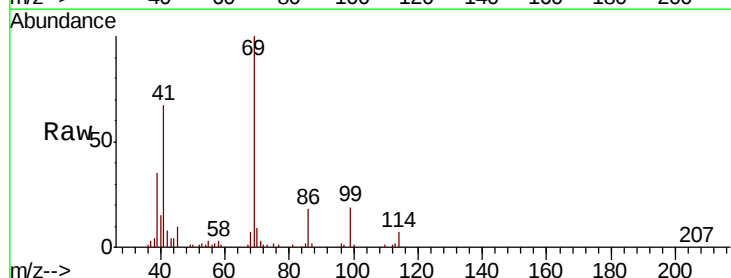
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 20.308 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Tgt Ion:	69	Resp:	70305
Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.5	84.7
39	33.7	29.2	43.8

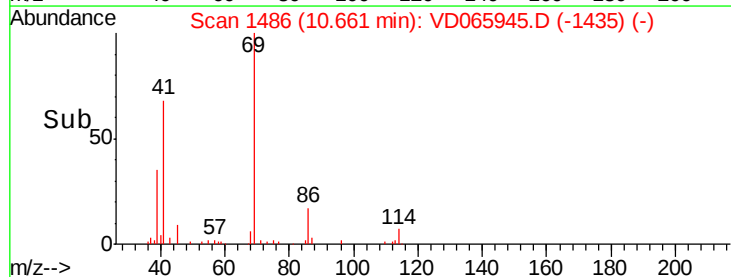
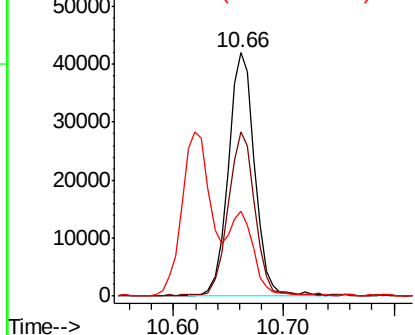


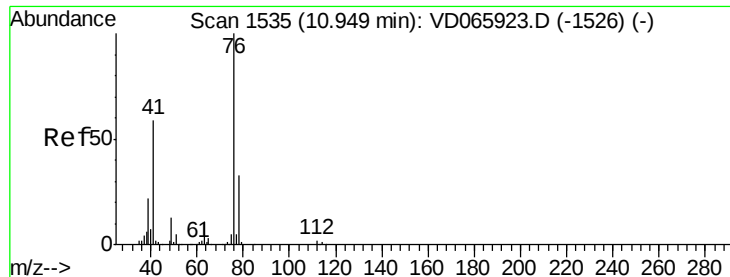
Abundance

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

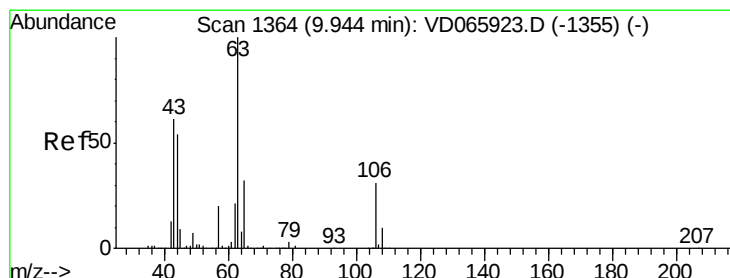
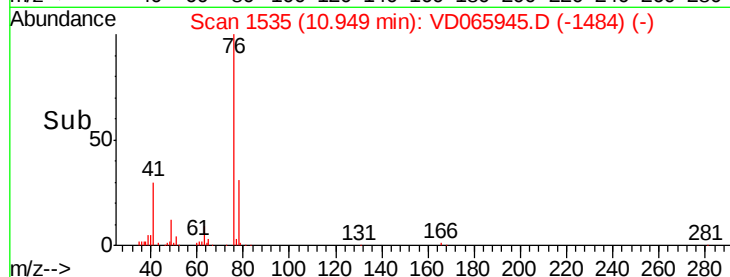
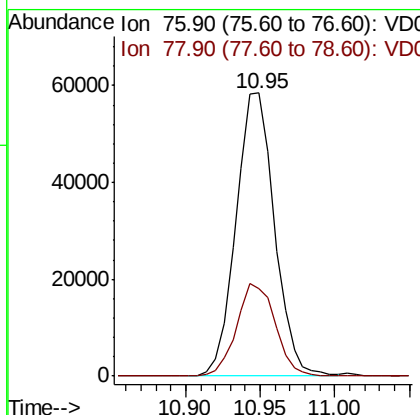
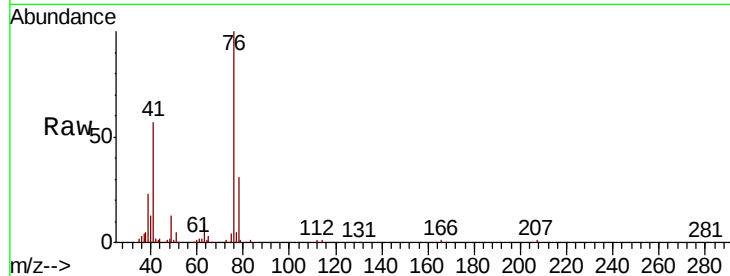




#57
 1,3-Dichloropropane
 Concen: 21.151 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

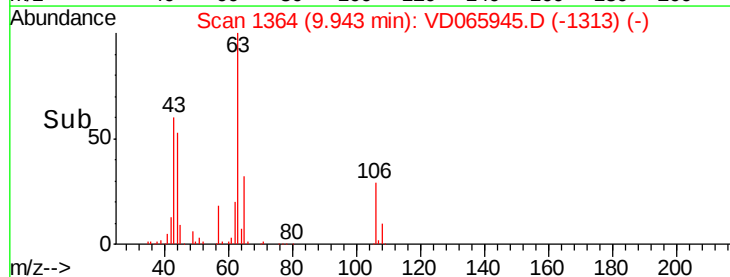
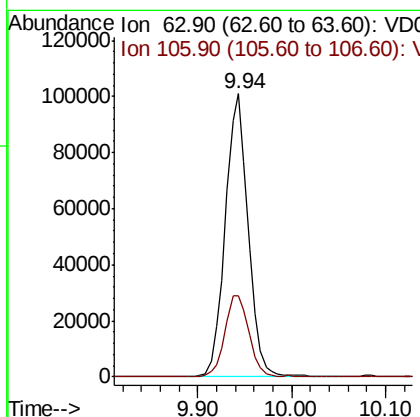
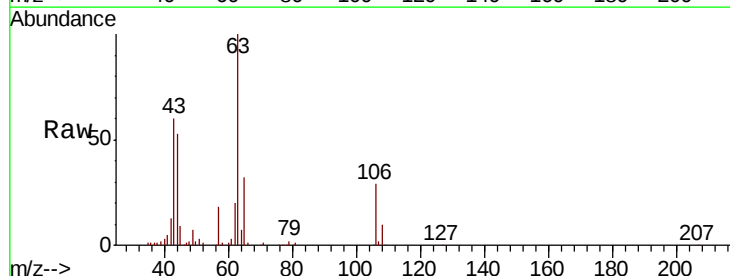
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

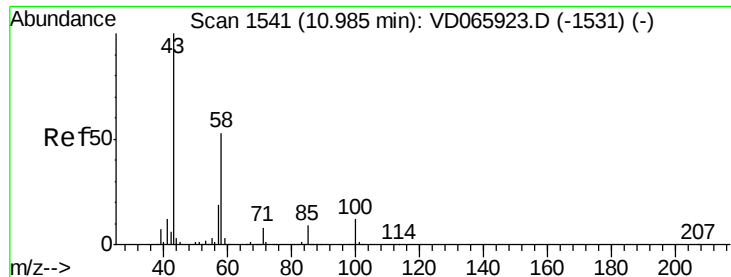
Tot Ion: 76 Resp: 104845
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.743 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Tgt Ion: 63 Resp: 170585
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.6

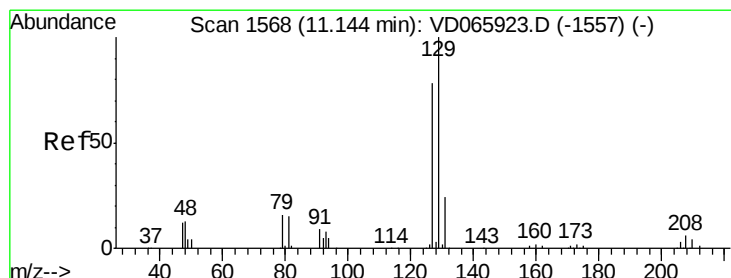
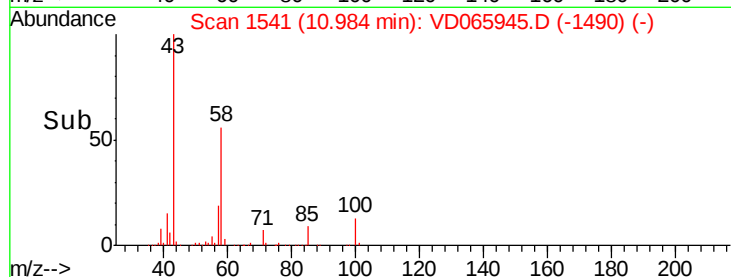
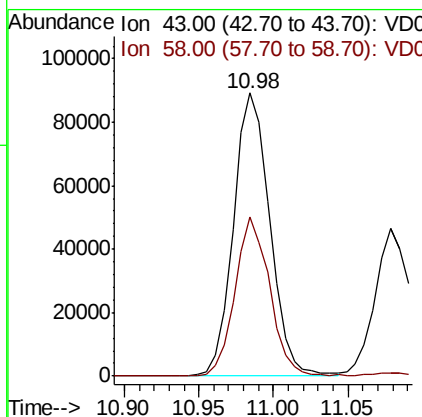
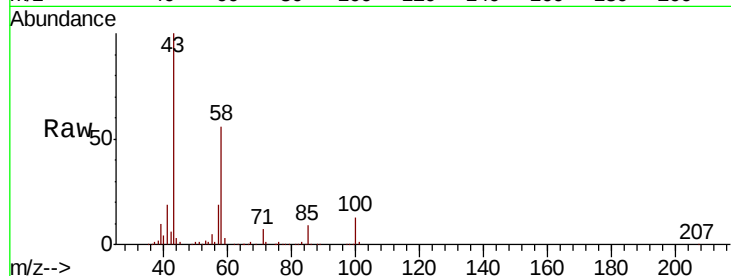




#59
2-Hexanone
Concen: 96.974 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

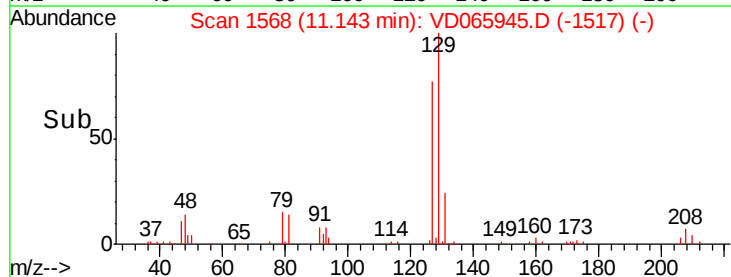
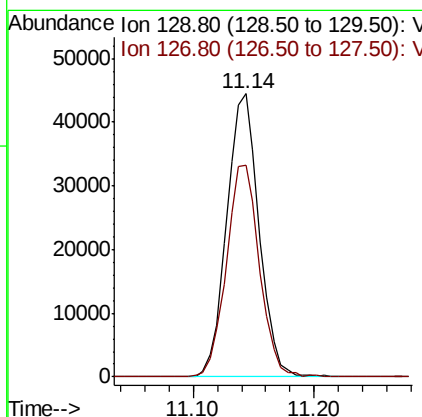
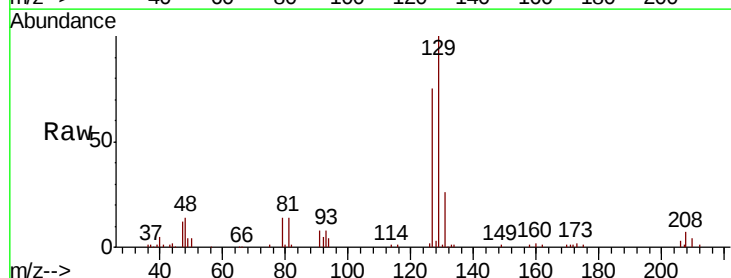
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

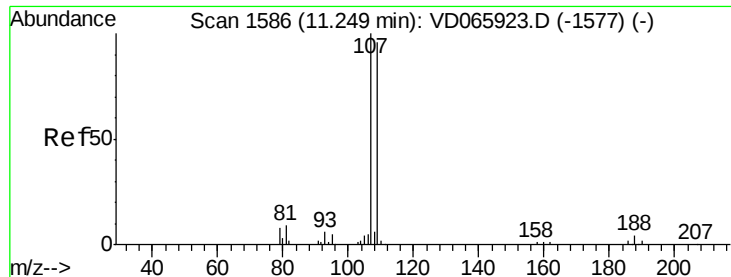
Tot Ion: 43 Resp: 151544
Ion Ratio Lower Upper
43 100
58 53.6 26.6 79.8



#60
Dibromochloromethane
Concen: 21.300 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion: 129 Resp: 82486
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.4

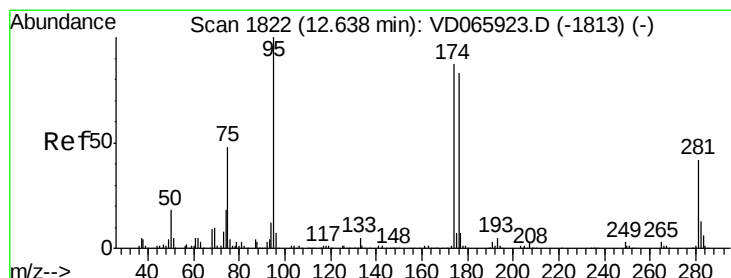
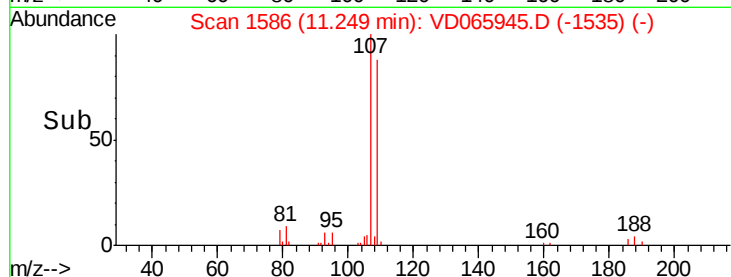
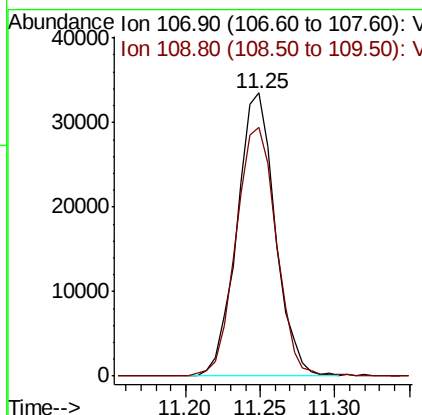
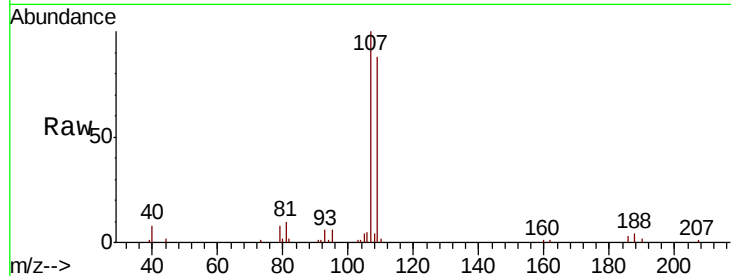




#61
 1,2-Dibromoethane
 Concen: 20.992 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

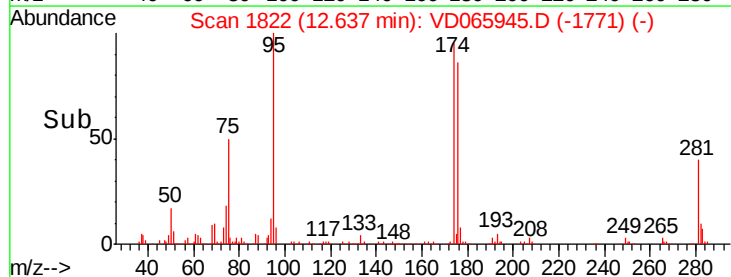
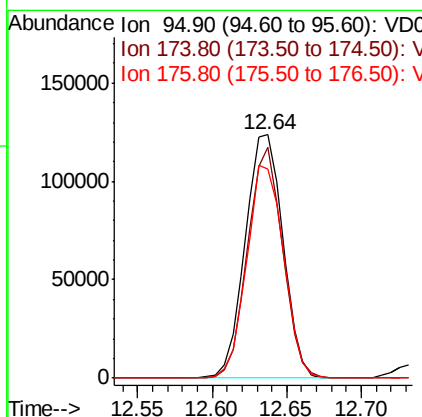
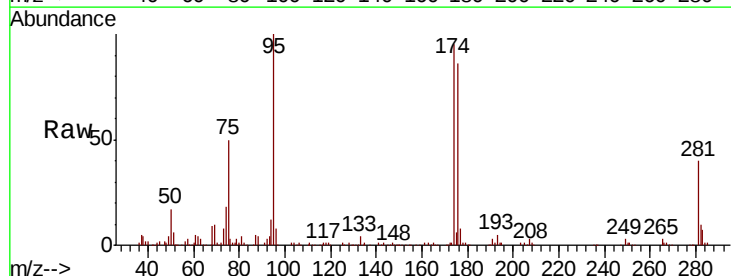
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

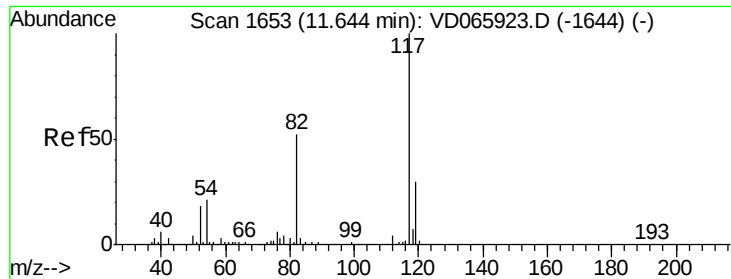
Tot Ion:107 Resp: 59325
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 47.976 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Tgt Ion: 95 Resp: 216373
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 169.4
 176 85.4 0.0 164.0

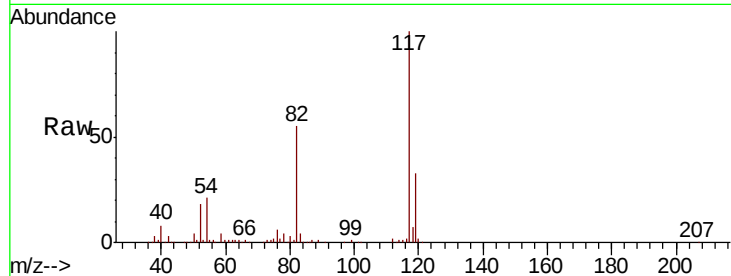




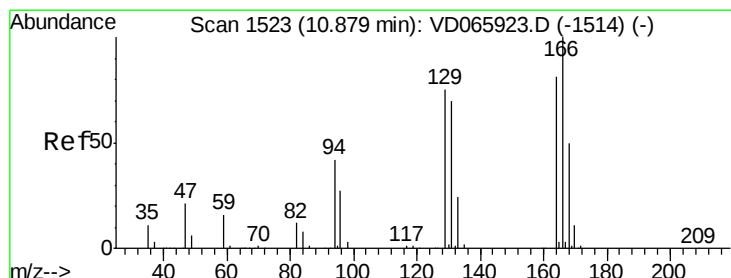
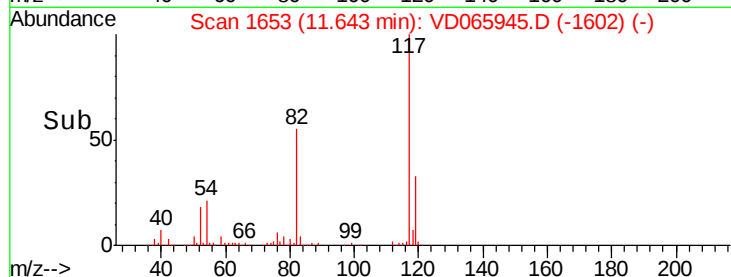
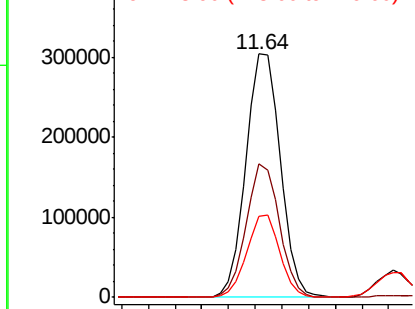
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion:117 Resp: 542971
Ion Ratio Lower Upper
117 100
82 54.9 41.8 62.8
119 33.3 24.3 36.5

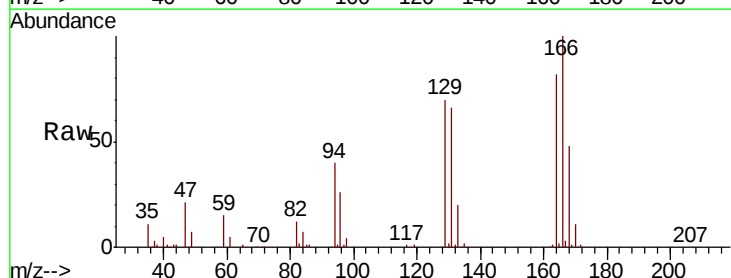


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

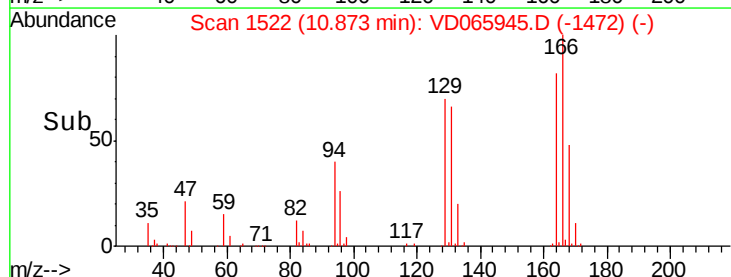
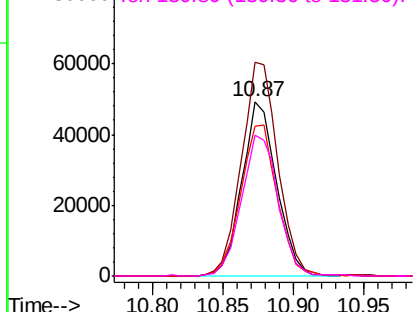


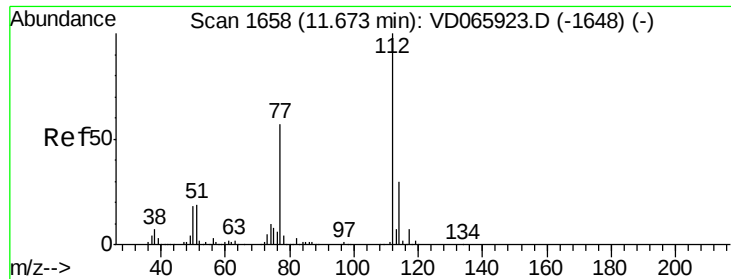
#64
Tetrachloroethene
Concen: 21.543 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion:164 Resp: 85064
Ion Ratio Lower Upper
164 100
166 122.3 99.0 148.4
129 85.8 73.9 110.9
131 80.4 69.6 104.4



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

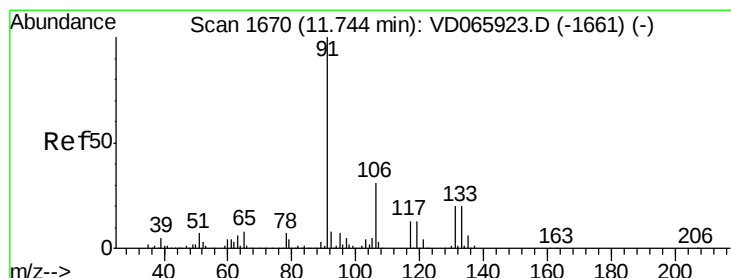
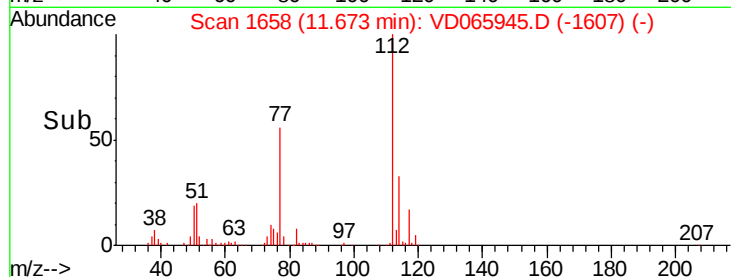
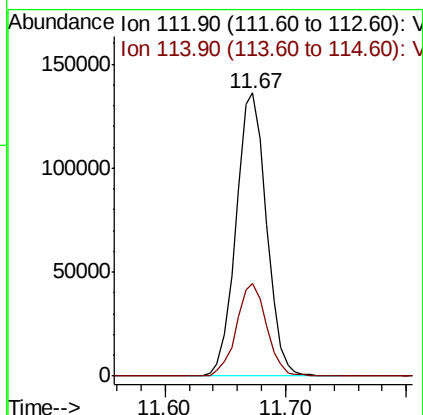
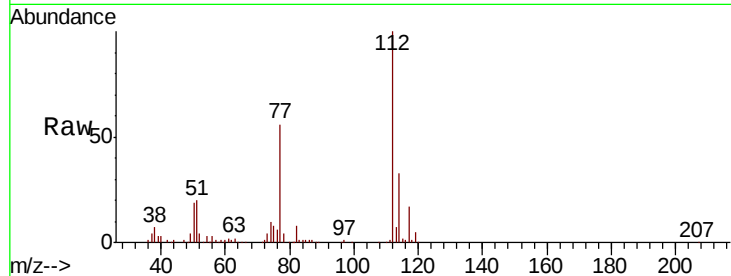




#65
Chlorobenzene
Concen: 21.856 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

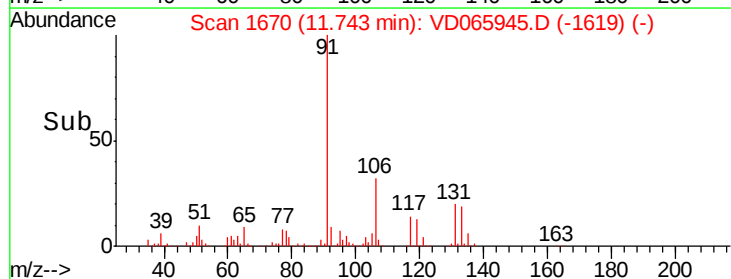
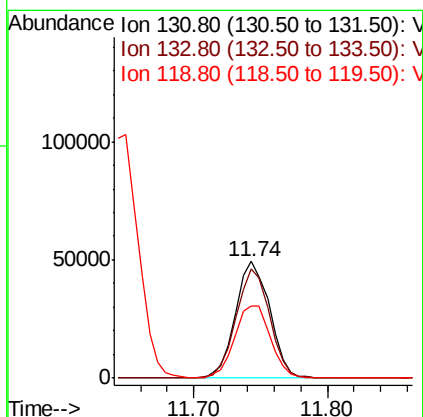
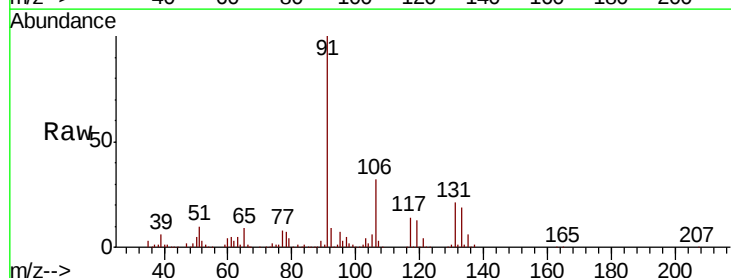
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

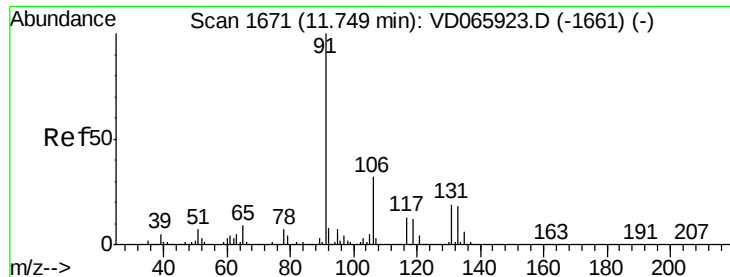
Tot Ion:112 Resp: 239145
Ion Ratio Lower Upper
112 100
114 32.7 24.2 36.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.426 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion:131 Resp: 87685
Ion Ratio Lower Upper
131 100
133 92.2 47.9 143.6
119 65.4 31.9 95.9

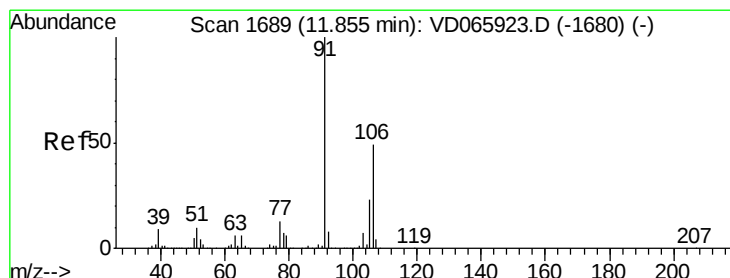
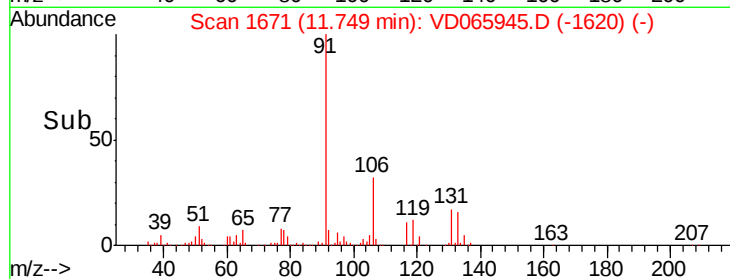
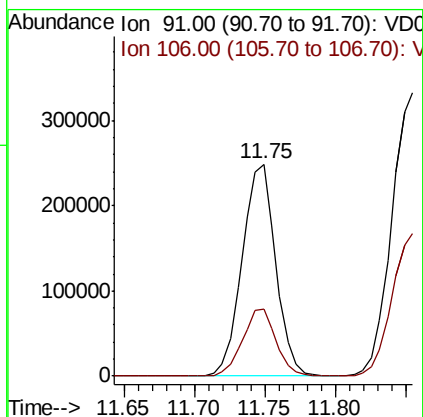
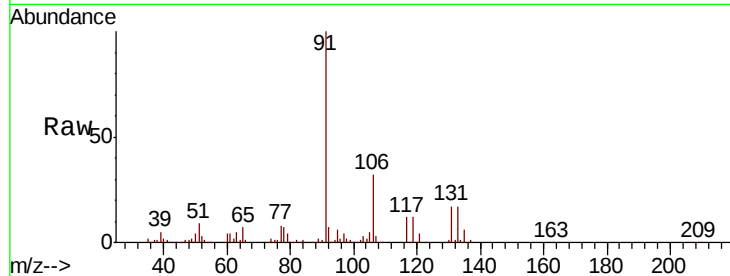




#67
Ethyl Benzene
Concen: 21.273 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

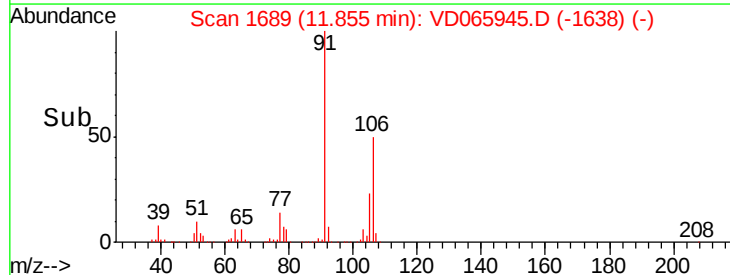
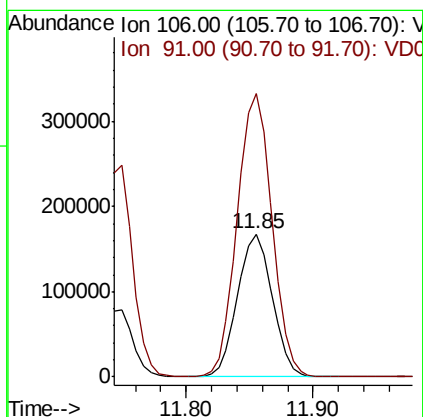
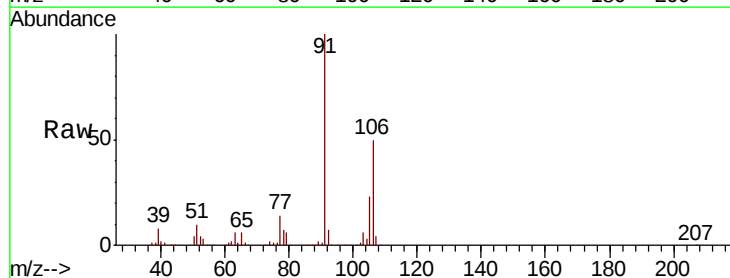
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

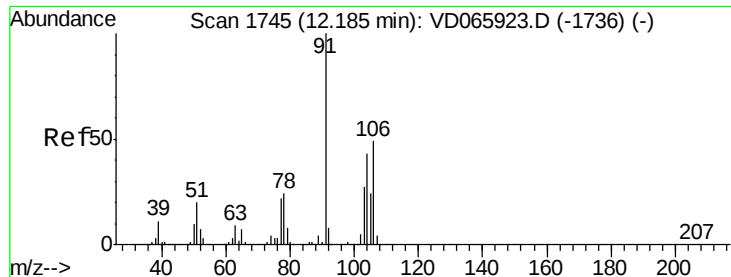
Tot Ion: 91 Resp: 413521
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8



#68
m/p-Xylenes
Concen: 43.260 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion: 106 Resp: 319484
Ion Ratio Lower Upper
106 100
91 198.4 158.2 237.2

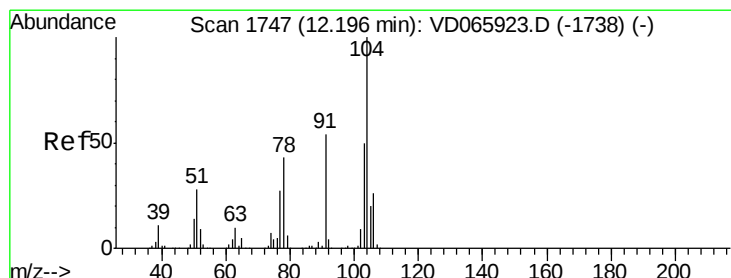
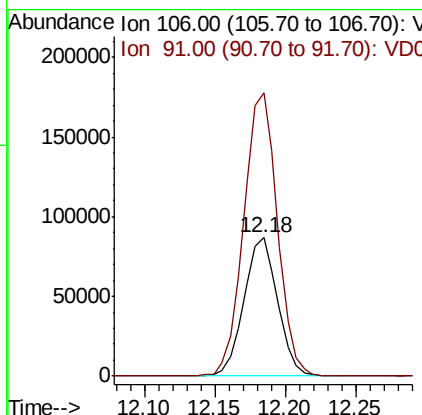
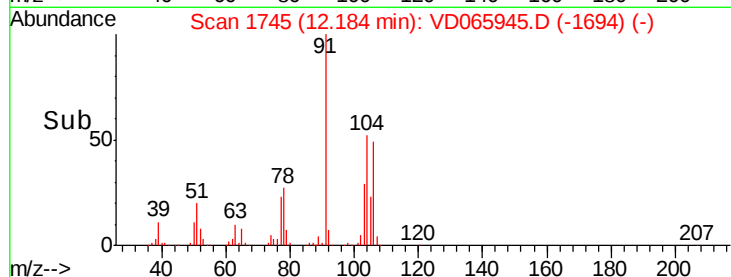
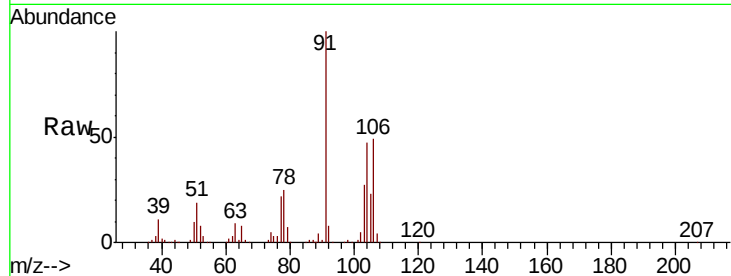




#69
o-Xylene
Concen: 21.550 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

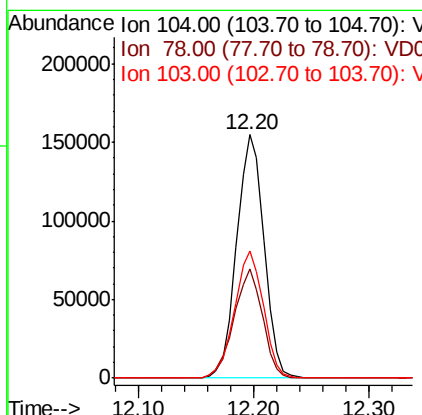
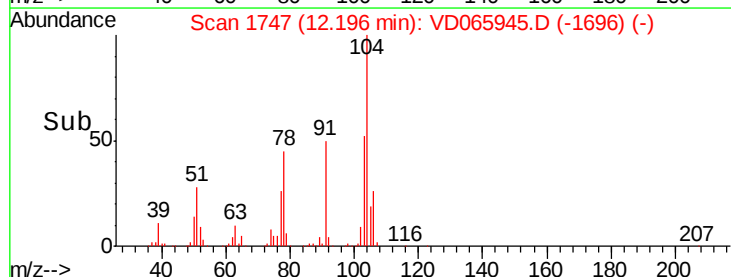
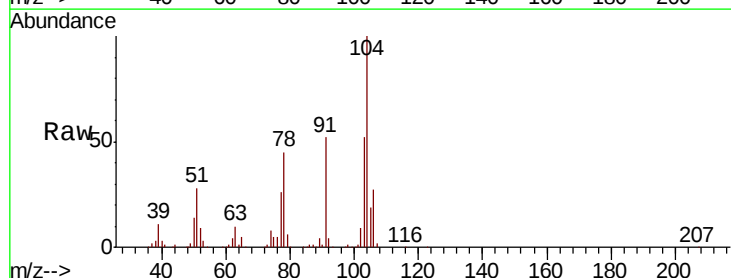
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

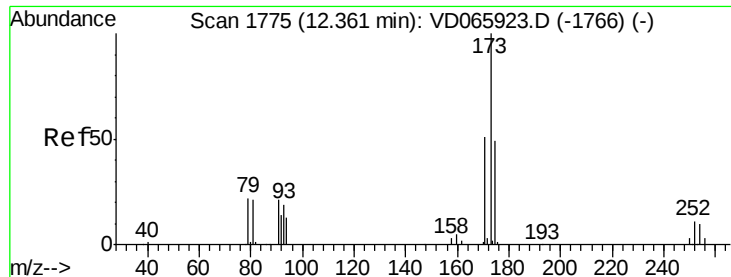
Tot Ion:106 Resp: 144977
Ion Ratio Lower Upper
106 100
91 205.1 104.1 312.2



#70
Styrene
Concen: 21.831 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion:104 Resp: 253540
Ion Ratio Lower Upper
104 100
78 47.2 38.8 58.2
103 54.9 43.6 65.4





#71

Bromoform

Concen: 21.334 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

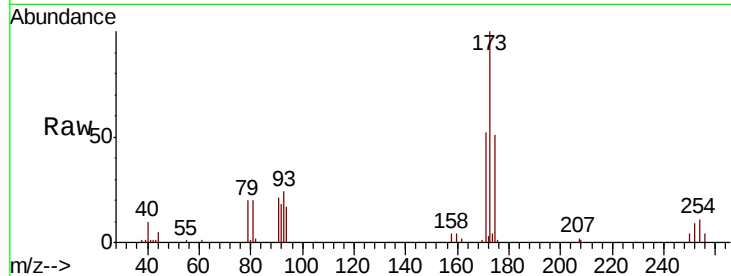
Tot Ion:173 Resp: 49404

Ion Ratio Lower Upper

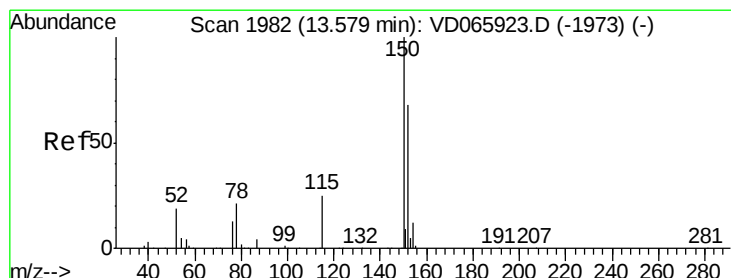
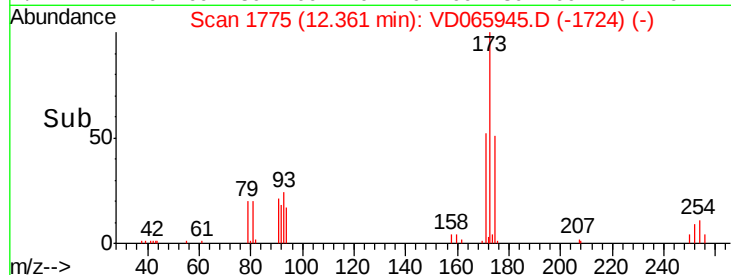
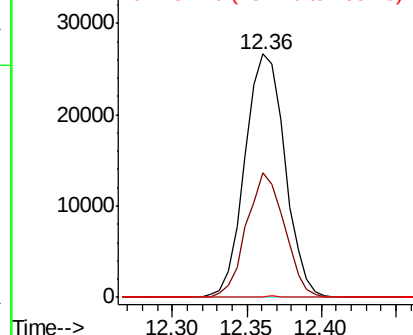
173 100

175 48.5 24.2 72.6

254 0.1 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: VD065945.D

Acq: 10 Jul 2020 13:29

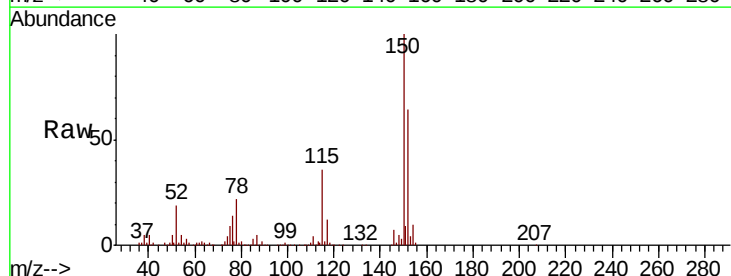
Tgt Ion:152 Resp: 276958

Ion Ratio Lower Upper

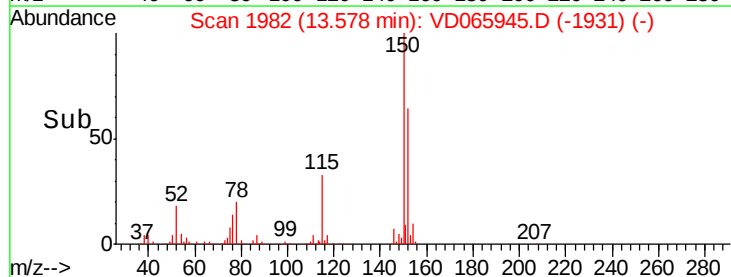
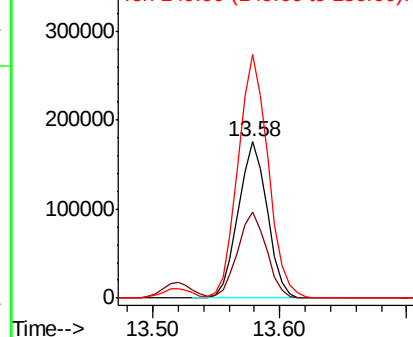
152 100

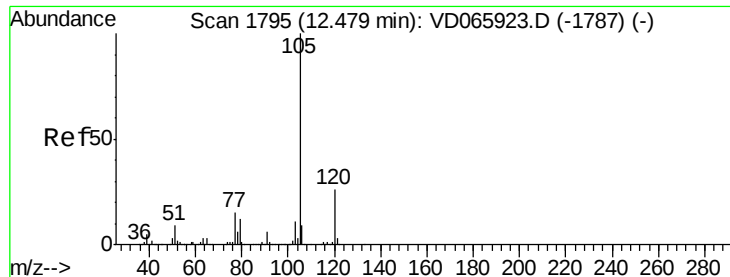
115 55.3 27.8 83.3

150 161.5 0.0 347.2



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: 20.203 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

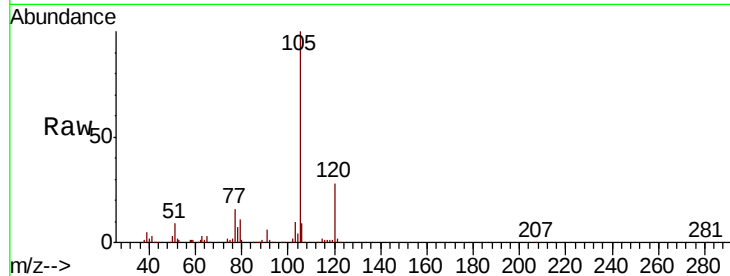
VD0710SBS01

Tot Ion: 105 Resp: 390511

Ion Ratio Lower Upper

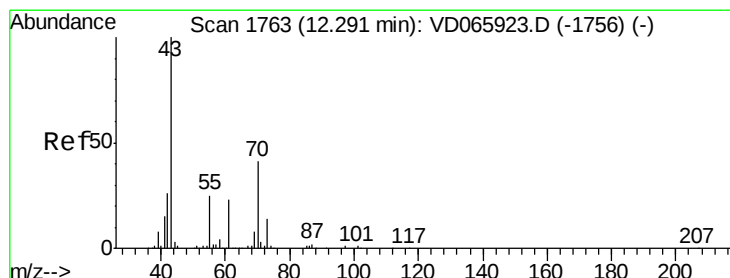
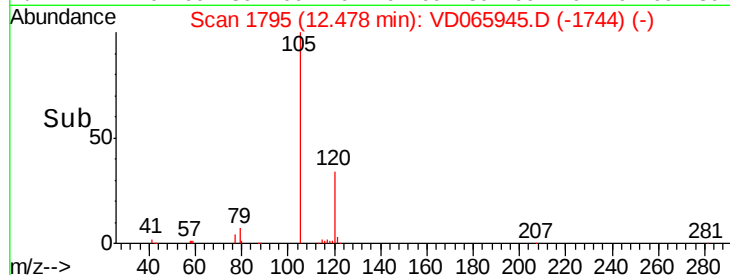
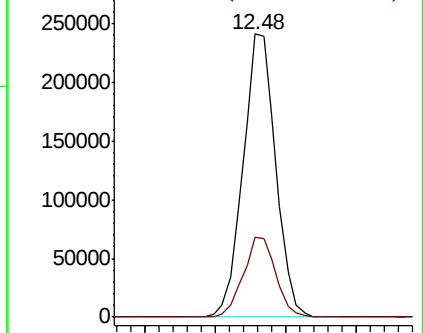
105 100

120 28.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.529 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Tgt Ion: 43 Resp: 80367

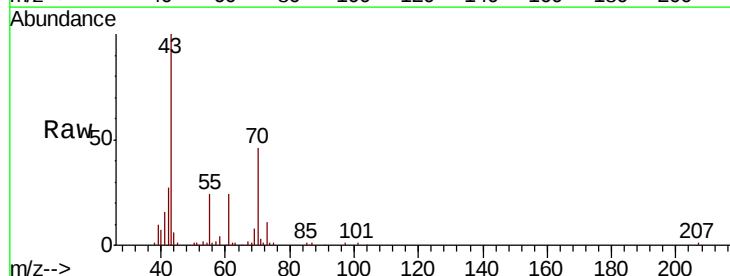
Ion Ratio Lower Upper

43 100

70 43.8 33.6 50.4

55 26.4 20.1 30.1

61 24.2 18.9 28.3

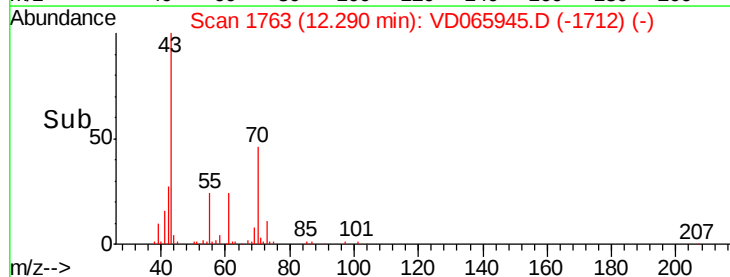
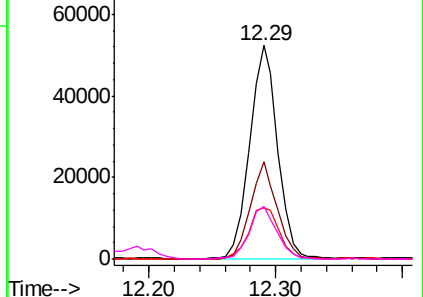


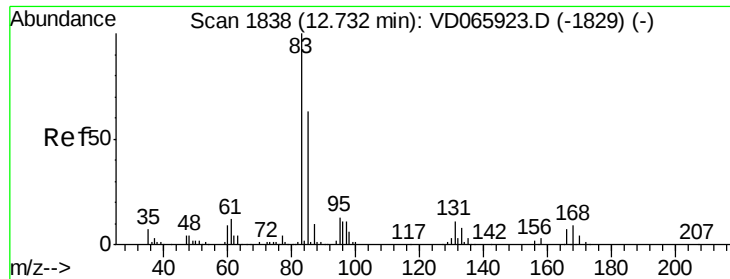
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.894 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

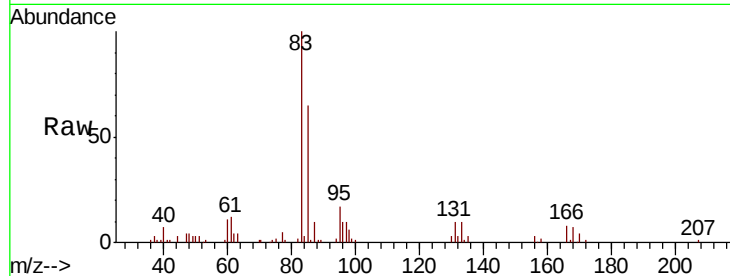
Tot Ion: 83 Resp: 63839

Ion Ratio Lower Upper

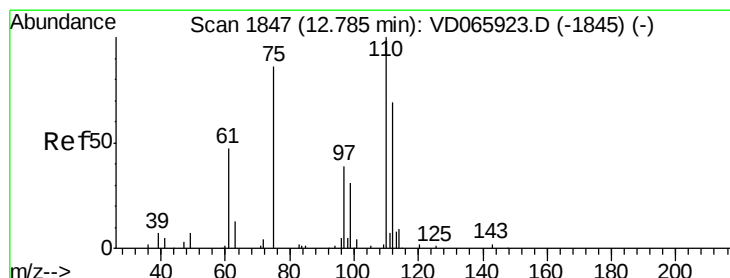
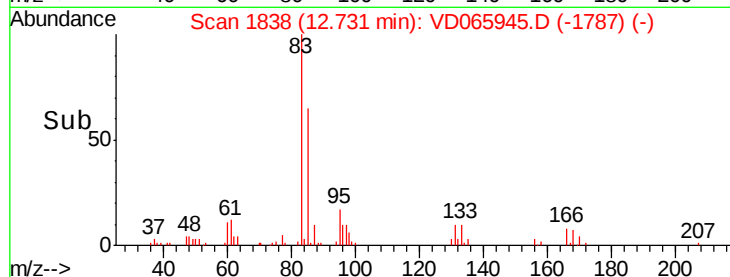
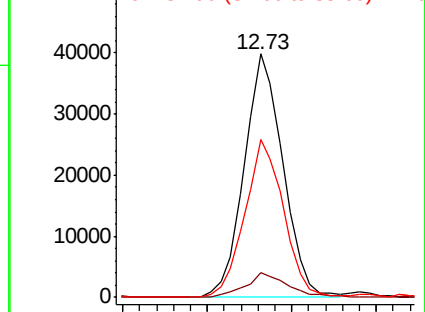
83 100

131 11.0 5.6 16.8

85 64.6 32.6 98.0



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: 18.905 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD065945.D

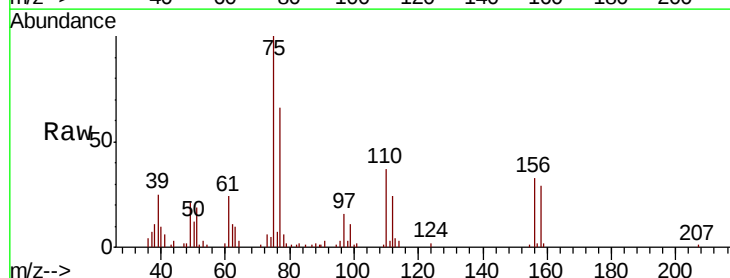
Acq: 10 Jul 2020 13:29

Tgt Ion: 75 Resp: 43921

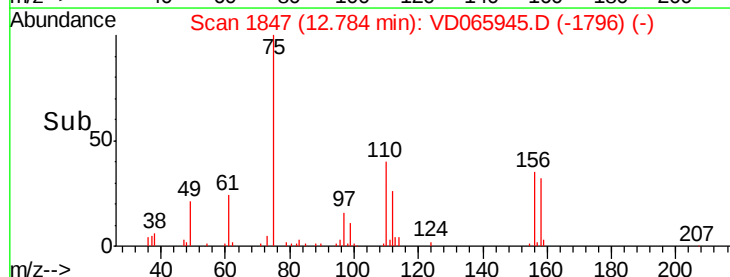
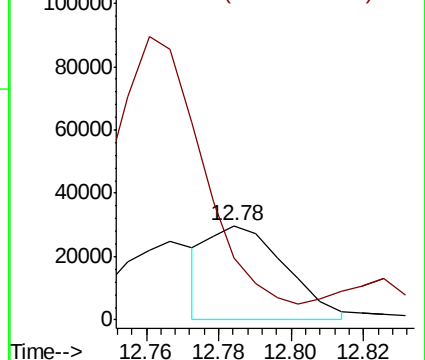
Ion Ratio Lower Upper

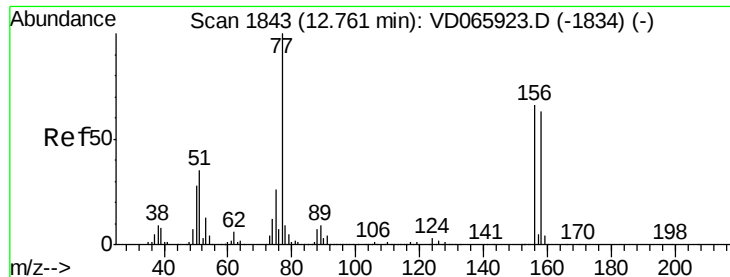
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.766 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

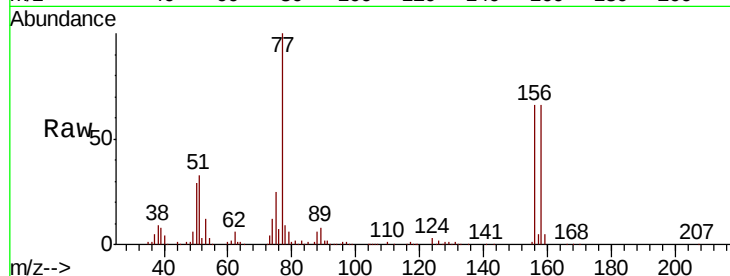
Tot Ion:156 Resp: 97354

Ion Ratio Lower Upper

156 100

77 167.7 85.0 255.0

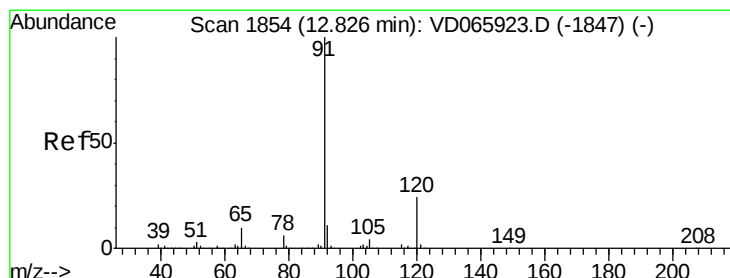
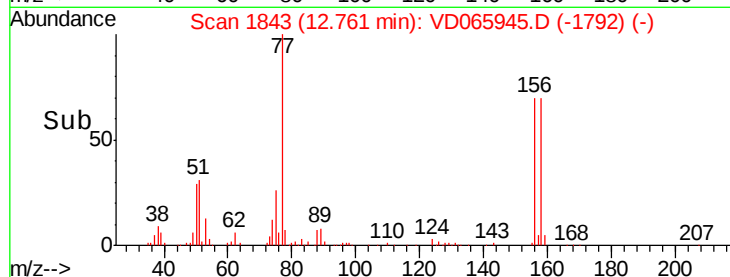
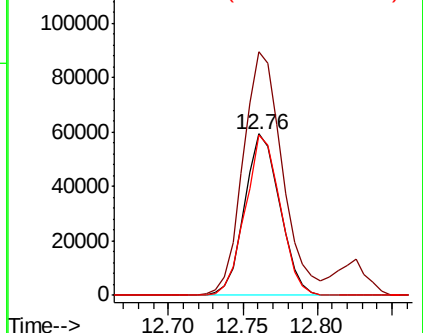
158 97.6 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.340 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065945.D

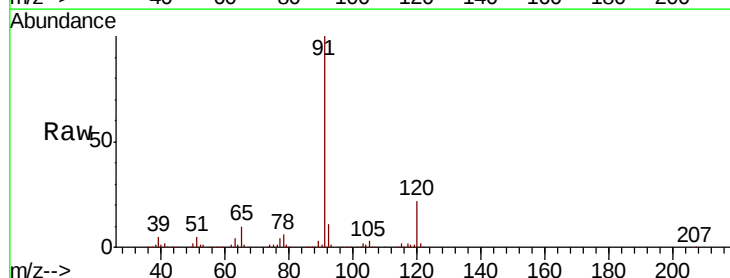
Acq: 10 Jul 2020 13:29

Tgt Ion: 91 Resp: 460930

Ion Ratio Lower Upper

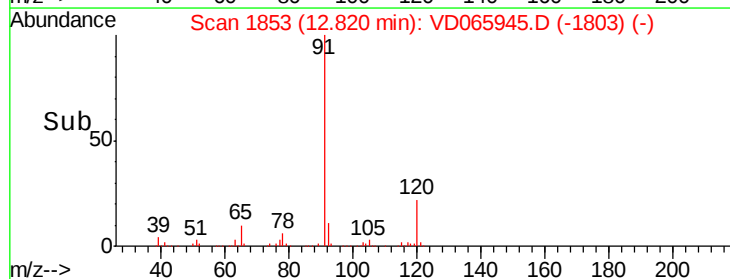
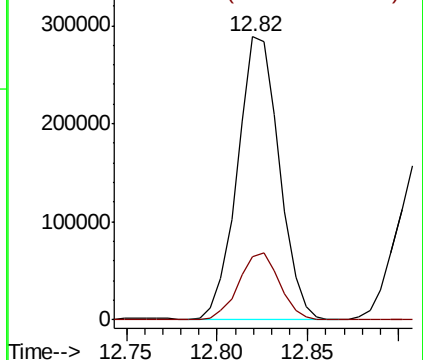
91 100

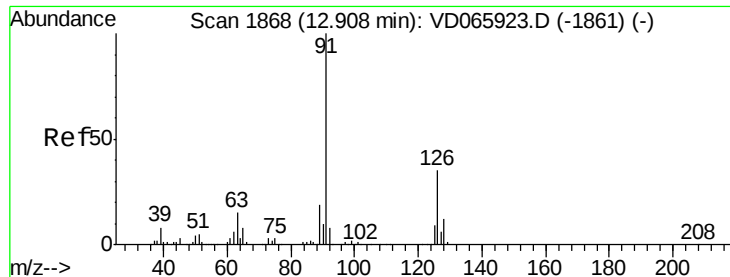
120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

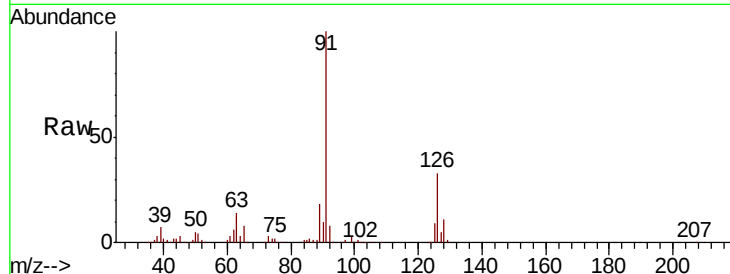




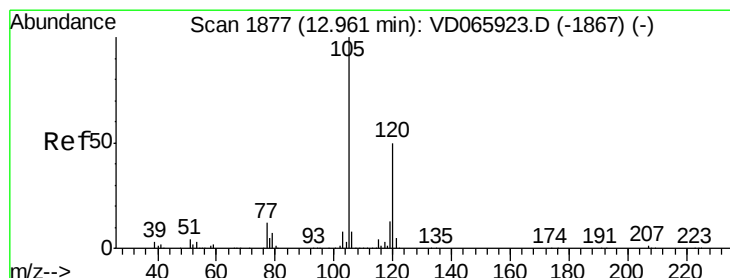
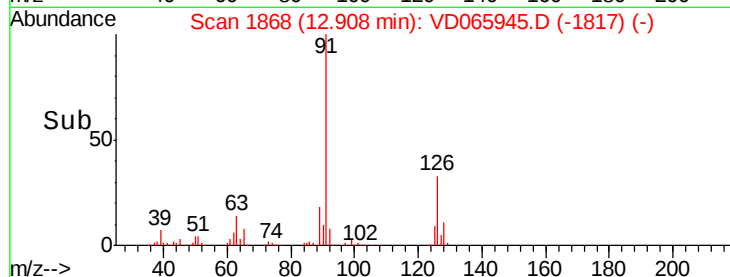
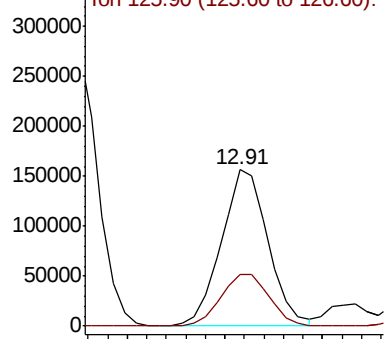
#79
2-Chlorotoluene
Concen: 20.094 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

Tot Ion: 91 Resp: 258332
Ion Ratio Lower Upper
91 100
126 34.9 17.6 52.8

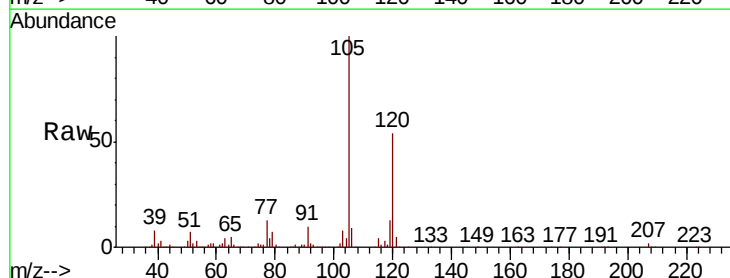


Abundance Ion 91.00 (90.70 to 91.70): VD065923.D (-1861) (-)
Ion 125.90 (125.60 to 126.60): VD065923.D (-1861) (-)

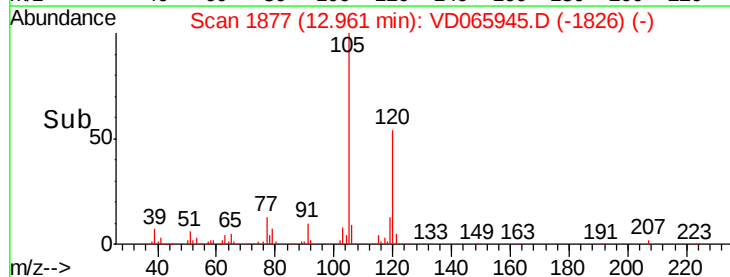
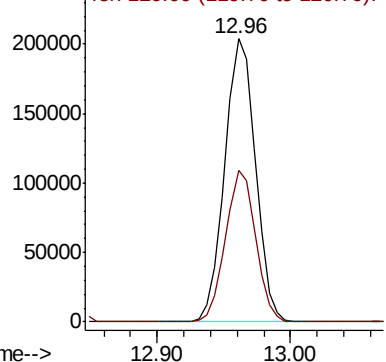


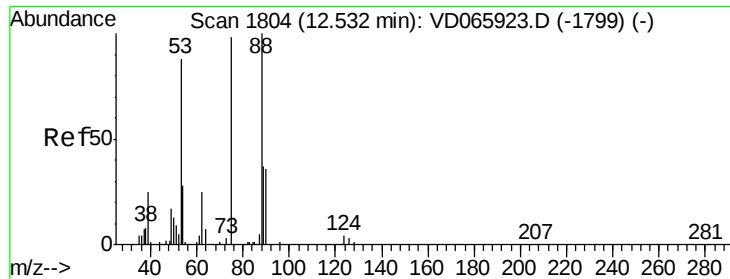
#80
1,3,5-Trimethylbenzene
Concen: 20.532 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion: 105 Resp: 324605
Ion Ratio Lower Upper
105 100
120 52.5 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065923.D (-1867) (-)
Ion 120.00 (119.70 to 120.70): VD065923.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.538 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

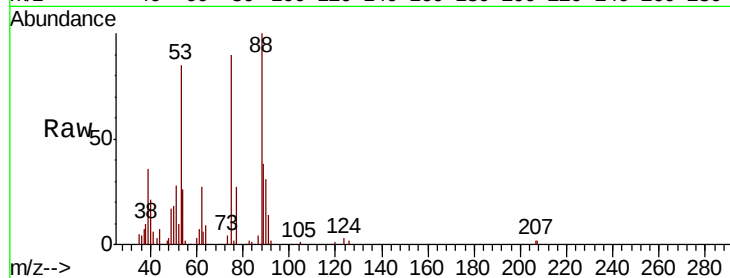
Tot Ion: 75 Resp: 20044

Ion Ratio Lower Upper

75 100

53 101.2 75.8 113.8

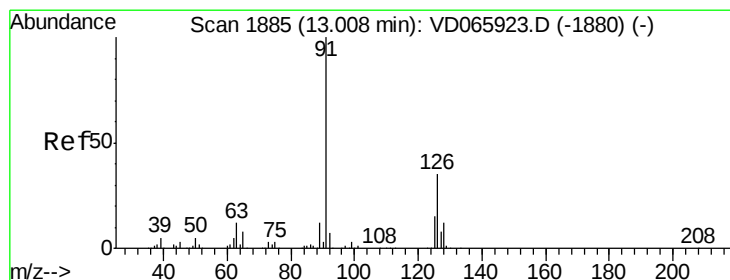
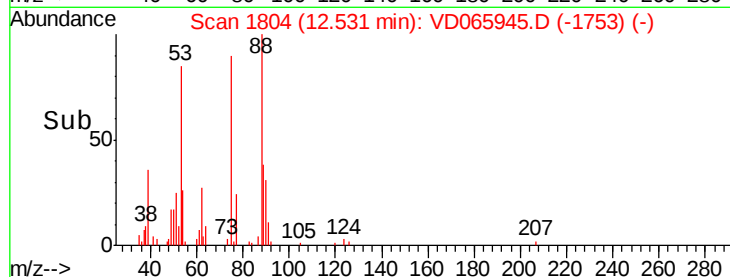
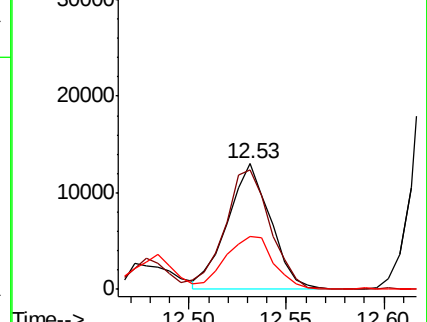
89 47.1 37.5 56.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.582 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065945.D

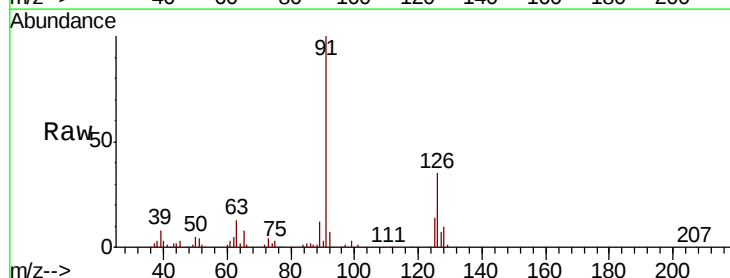
Acq: 10 Jul 2020 13:29

Tgt Ion: 91 Resp: 277619

Ion Ratio Lower Upper

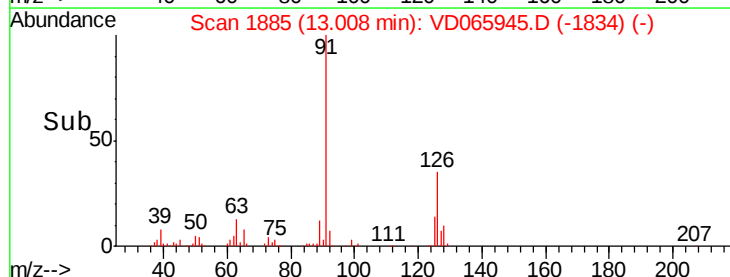
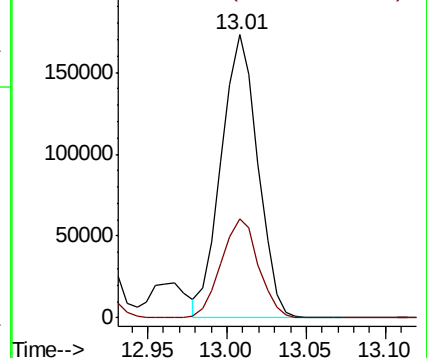
91 100

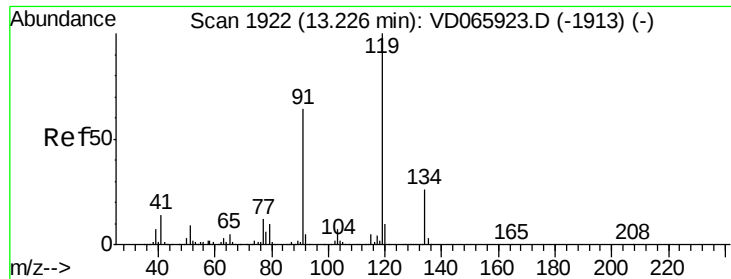
126 35.7 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.508 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

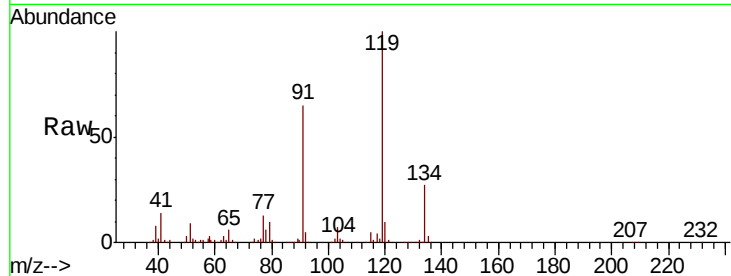
Tot Ion:119 Resp: 276235

Ion Ratio Lower Upper

119 100

91 64.1 32.4 97.2

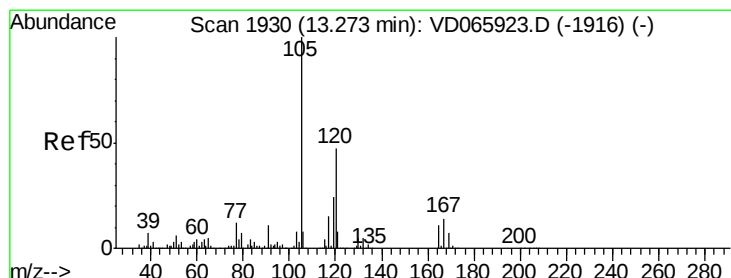
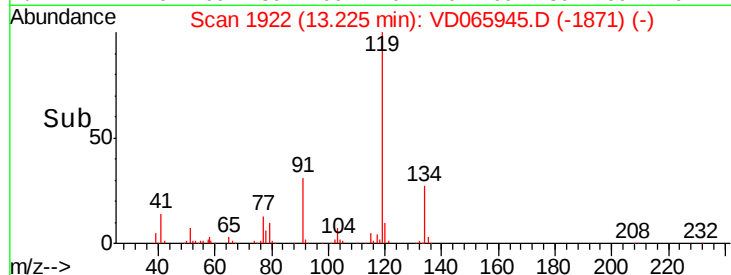
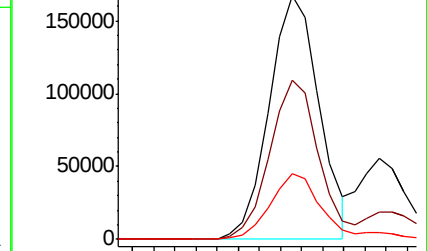
134 28.5 14.1 42.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.145 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD065945.D

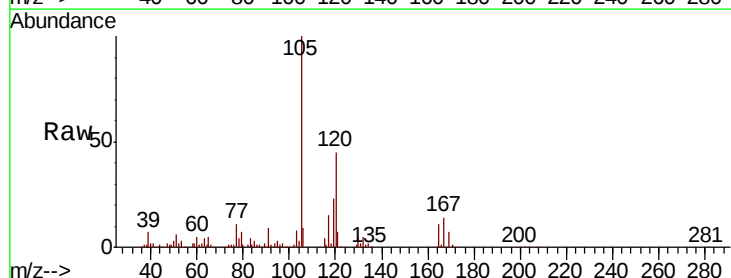
Acq: 10 Jul 2020 13:29

Tgt Ion:105 Resp: 332772

Ion Ratio Lower Upper

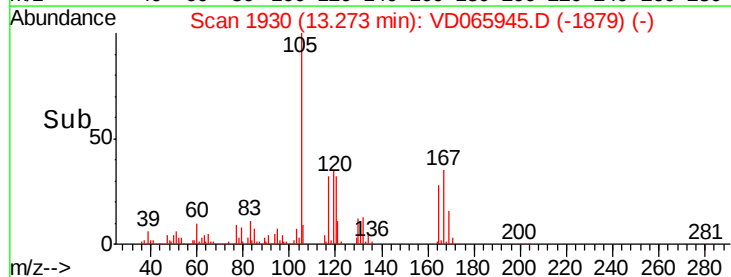
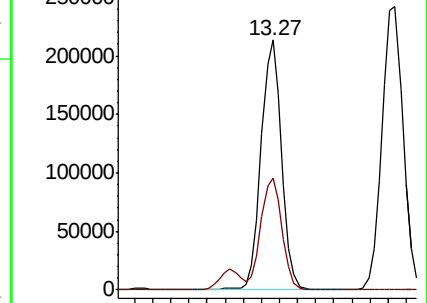
105 100

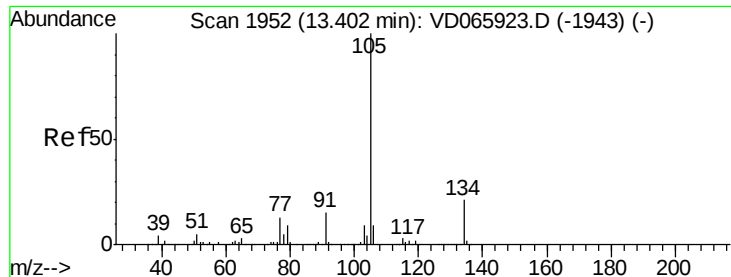
120 46.4 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.447 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

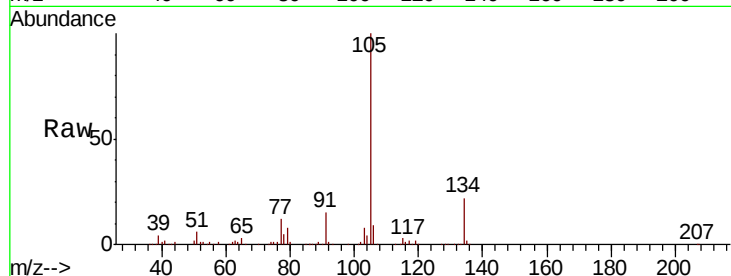
VD0710SBS01

Tot Ion:105 Resp: 390315

Ion Ratio Lower Upper

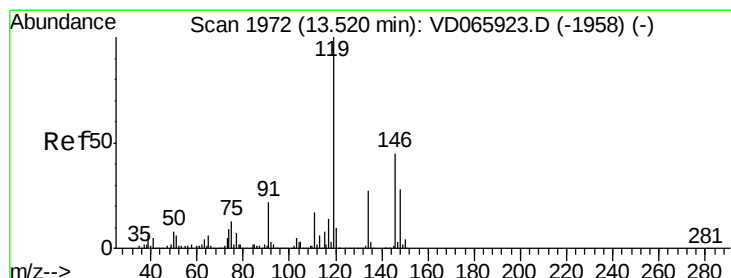
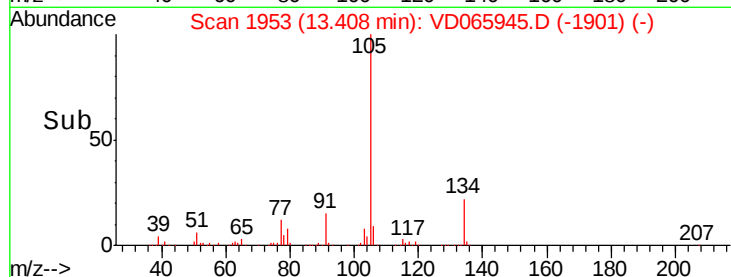
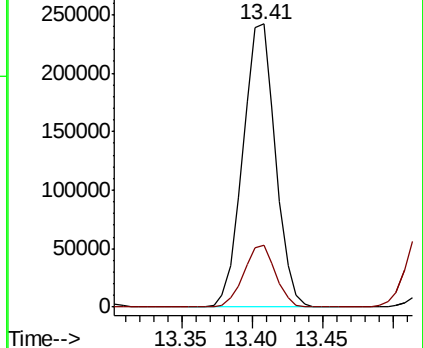
105 100

134 21.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.856 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

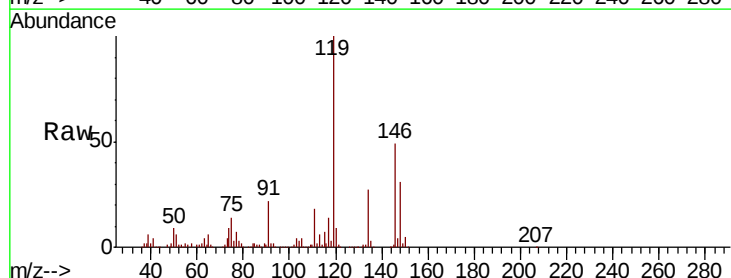
Tgt Ion:119 Resp: 364131

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

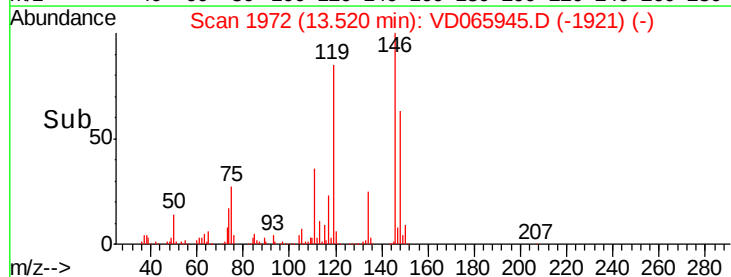
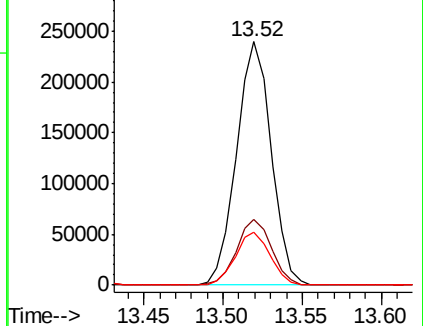
91 22.0 11.3 33.8

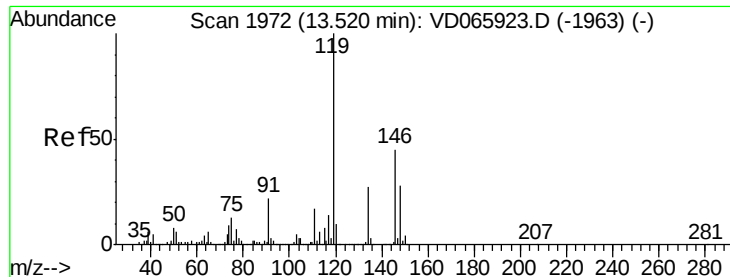


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.439 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

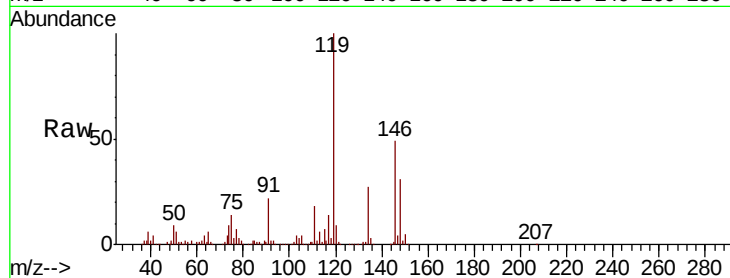
Tot Ion:146 Resp: 188073

Ion Ratio Lower Upper

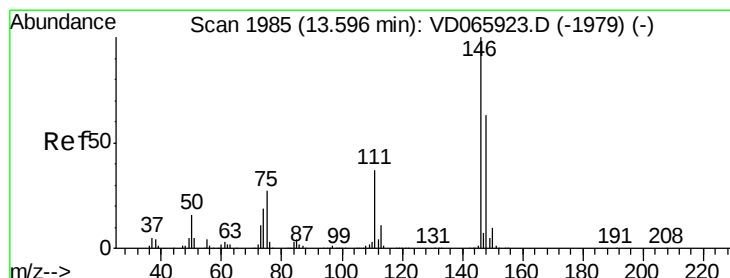
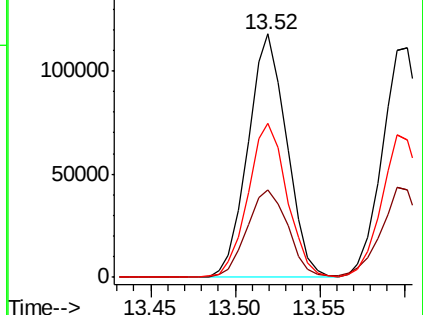
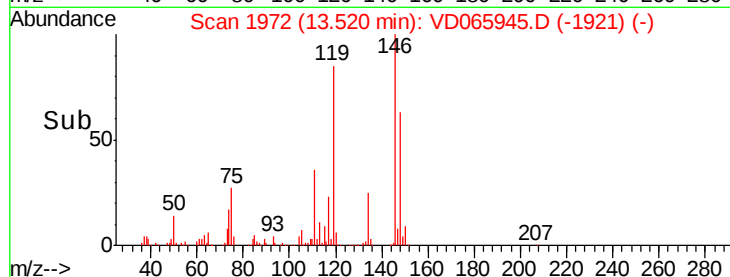
146 100

111 37.9 19.3 57.8

148 63.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.361 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

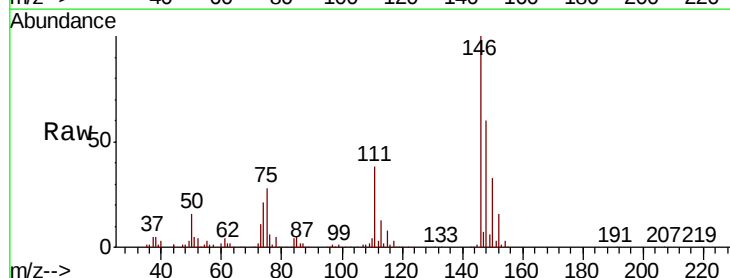
Tgt Ion:146 Resp: 186951

Ion Ratio Lower Upper

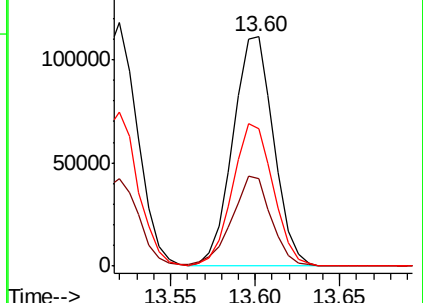
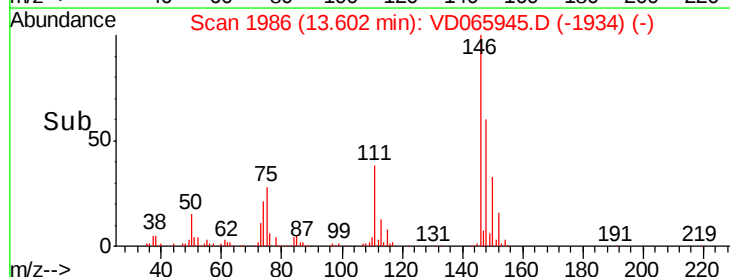
146 100

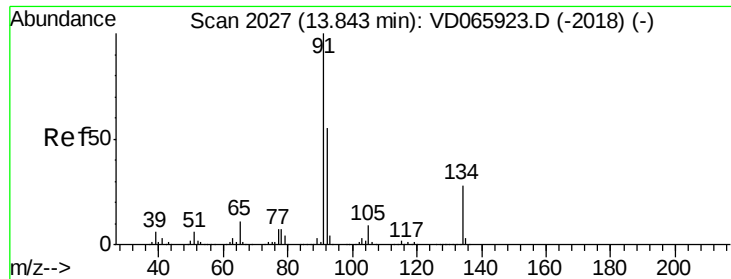
111 38.1 18.9 56.7

148 62.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

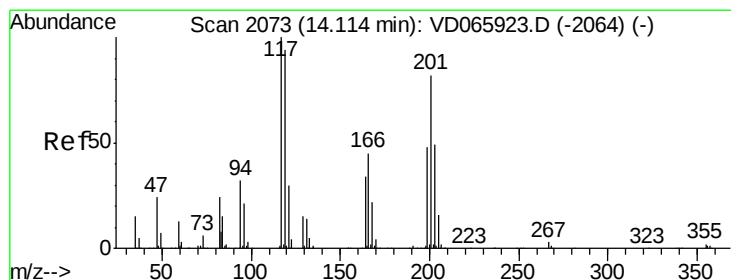
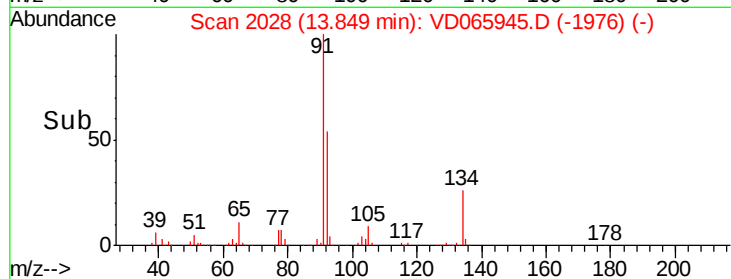
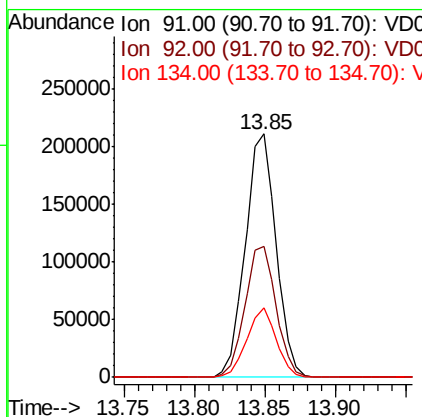
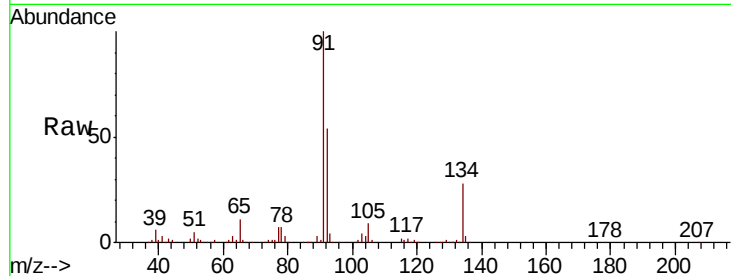




#89
n-Butylbenzene
Concen: 19.708 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

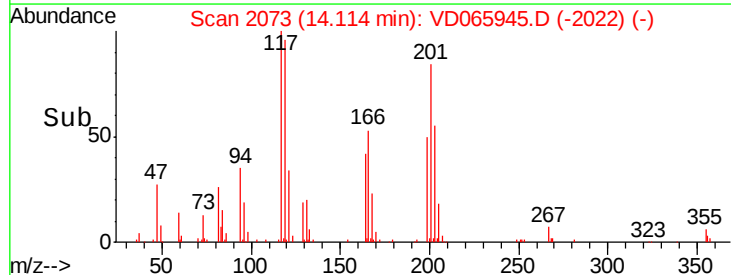
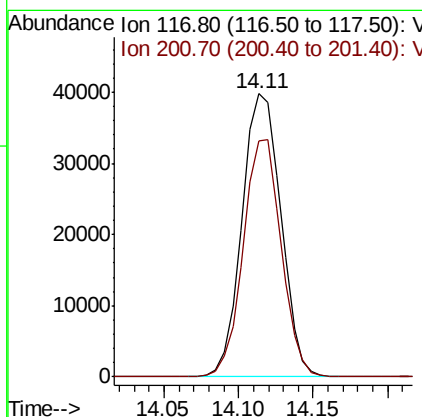
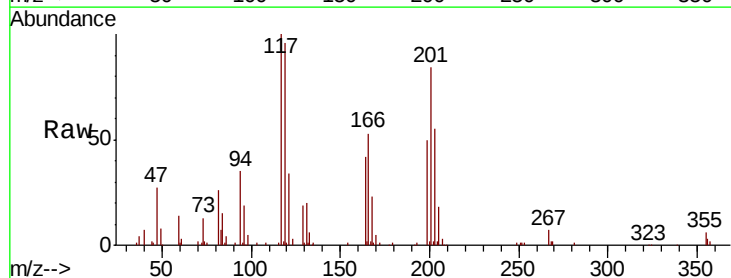
Instrument :
MSVOA_D
ClientSampleId :
VD0710SBS01

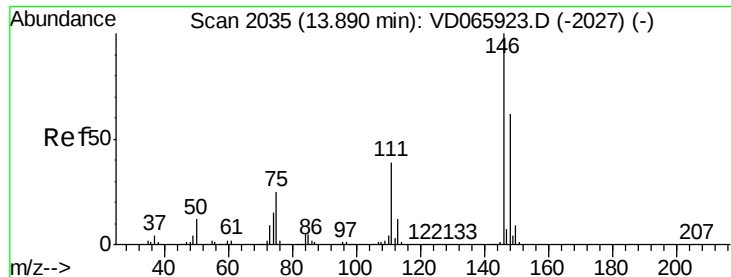
Tot Ion: 91 Resp: 323124
Ion Ratio Lower Upper
91 100
92 54.4 27.2 81.6
134 27.4 13.8 41.3



#90
Hexachloroethane
Concen: 20.410 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065945.D
Acq: 10 Jul 2020 13:29

Tgt Ion: 117 Resp: 71861
Ion Ratio Lower Upper
117 100
201 81.8 40.0 120.0





#91

1,2-Dichlorobenzene

Concen: 21.117 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

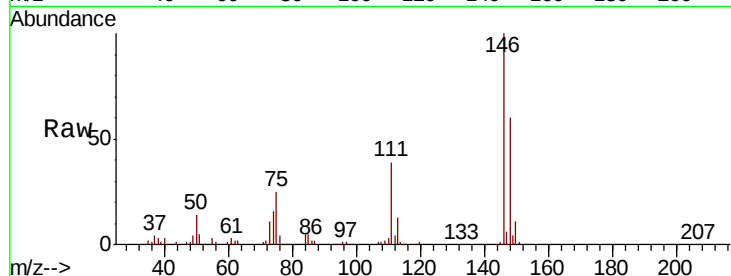
Tot Ion:146 Resp: 161914

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.0

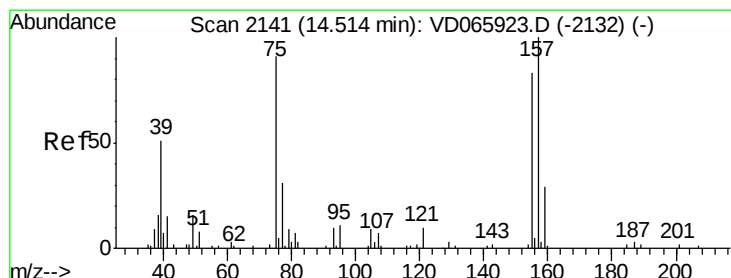
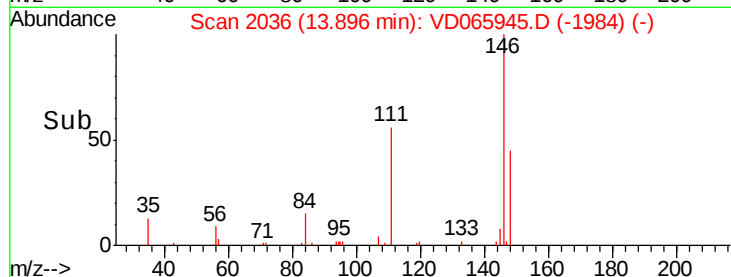
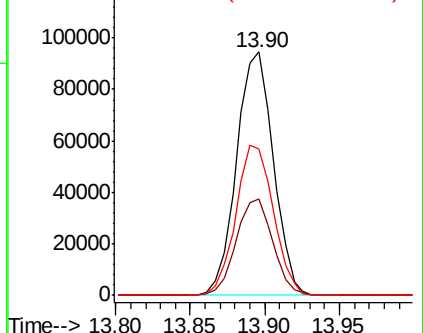
148 62.7 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.824 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

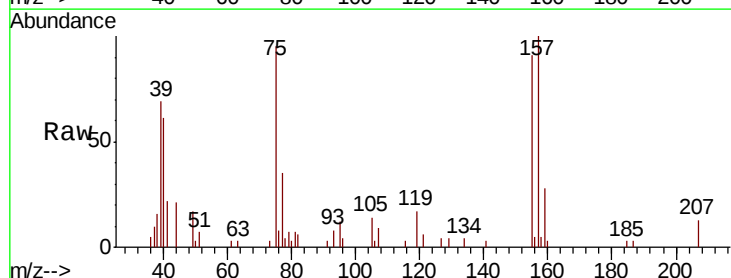
Tgt Ion: 75 Resp: 10101

Ion Ratio Lower Upper

75 100

155 92.6 45.3 135.8

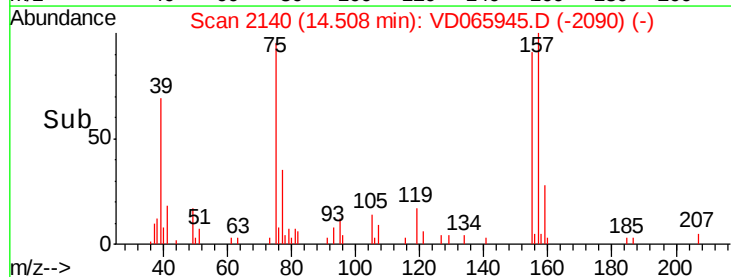
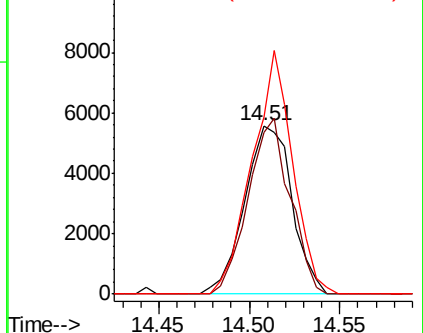
157 123.8 56.9 170.6

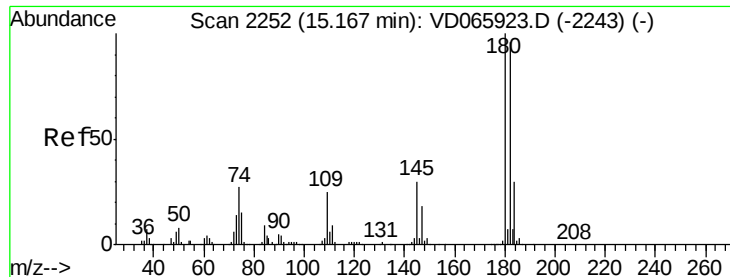


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

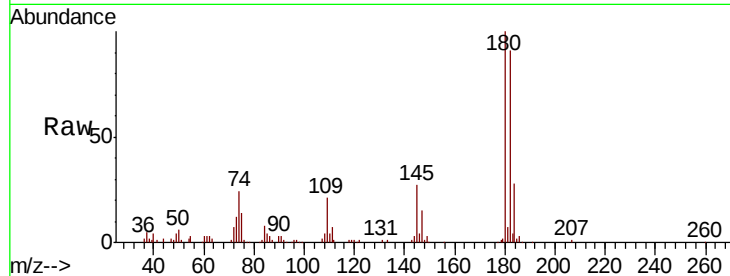




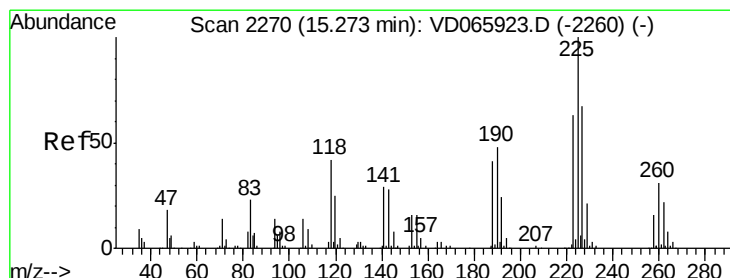
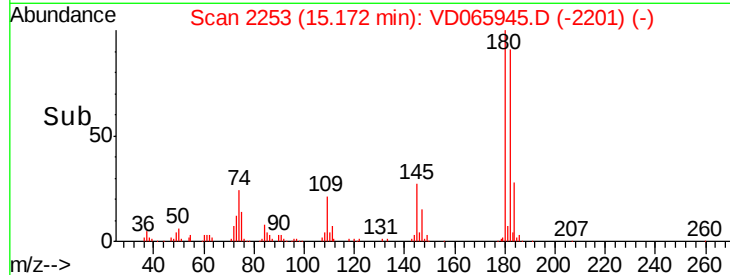
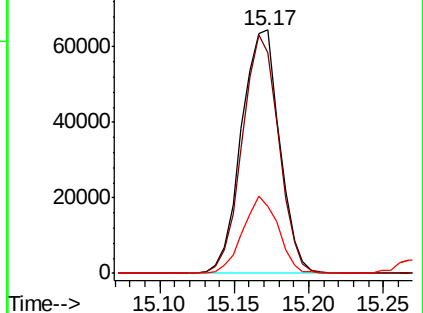
#93
 1,2,4-Trichlorobenzene
 Concen: 20.856 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0710SBS01

Tot Ion:180 Resp: 113968
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.5 145.6
 145 29.3 15.0 45.1

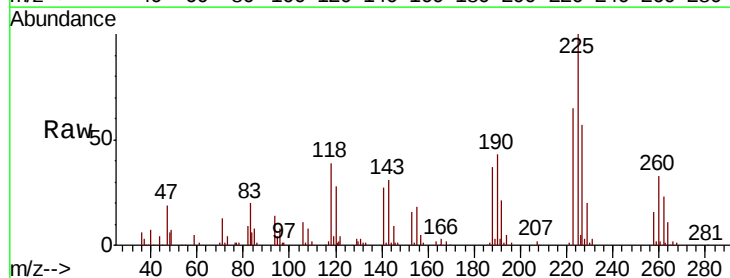


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

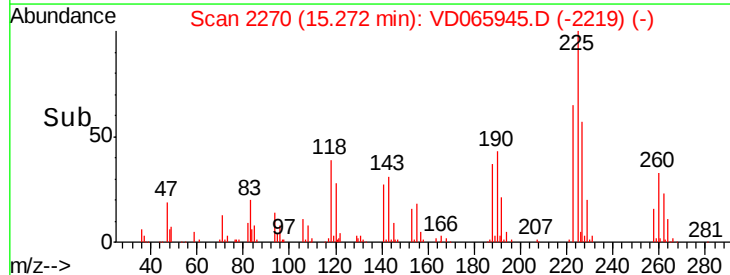
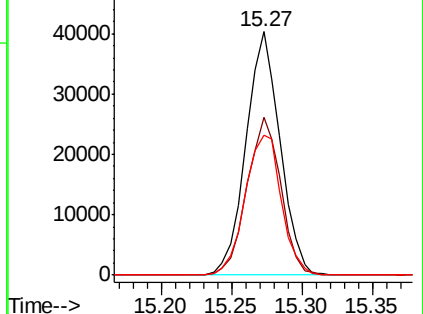


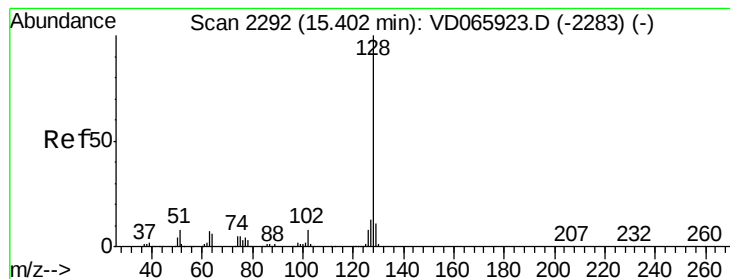
#94
 Hexachlorobutadiene
 Concen: 20.683 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065945.D
 Acq: 10 Jul 2020 13:29

Tgt Ion:225 Resp: 68366
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.1 93.2
 227 60.9 31.6 95.0



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





#95

Naphthalene

Concen: 19.276 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0710SBS01

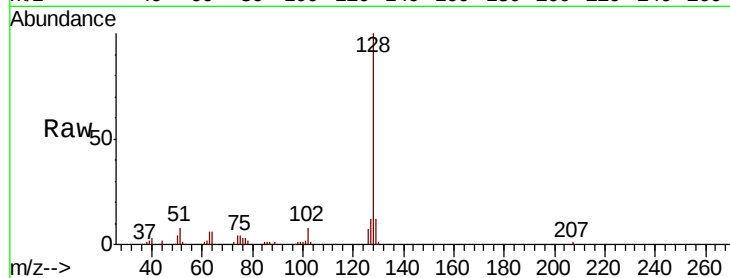
Tot Ion:128 Resp: 176661

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

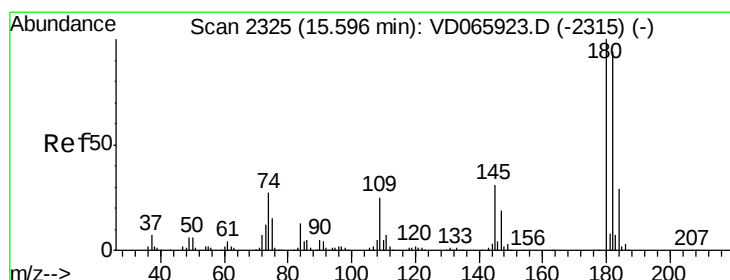
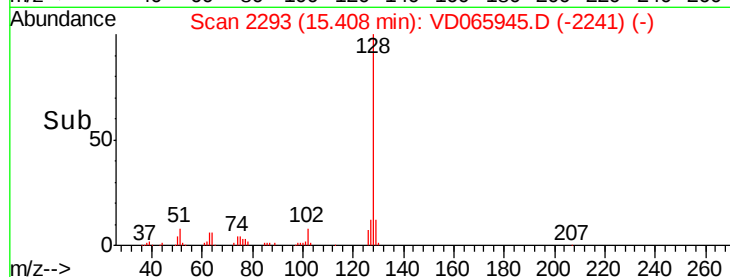
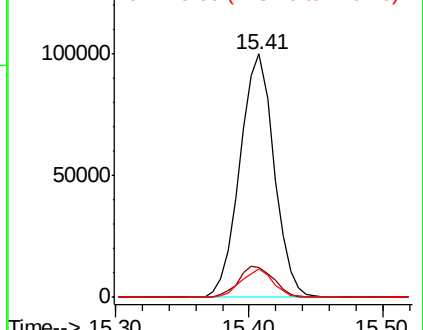
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.785 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VD065945.D

Acq: 10 Jul 2020 13:29

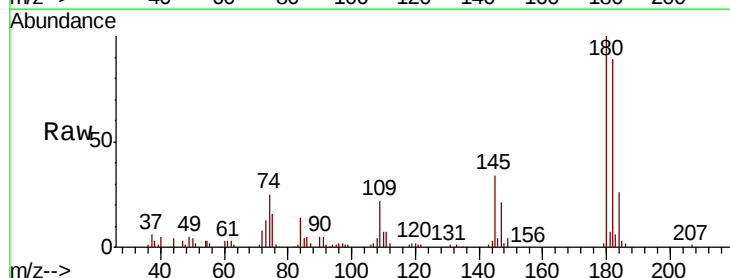
Tgt Ion:180 Resp: 97968

Ion Ratio Lower Upper

180 100

182 94.2 47.6 142.8

145 31.8 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

