

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066427.D
 Acq On : 26 Aug 2020 18:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 27 07:31:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	170741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	248090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	238478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	126601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99332	59.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.68%	
35) Dibromofluoromethane	7.91	113	79358	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.33	98	297162	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.63	95	113090	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56847	39.163	ug/l	100
3) Chloromethane	2.20	50	41452	40.287	ug/l	98
4) Vinyl Chloride	2.34	62	44503	40.285	ug/l	100
5) Bromomethane	2.76	94	50277	60.846	ug/l	98
6) Chloroethane	2.92	64	32636	46.137	ug/l	99
7) Trichlorofluoromethane	3.27	101	141404	47.072	ug/l	99
8) Diethyl Ether	3.70	74	33400	49.624	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62686	42.284	ug/l	99
10) Methyl Iodide	4.30	142	40880	24.177	ug/l	98
11) Tert butyl alcohol	5.21	59	31167	340.745	ug/l	96
12) 1,1-Dichloroethene	4.06	96	60050	43.152	ug/l	97
13) Acrolein	3.92	56	12386	166.628	ug/l	97
14) Allyl chloride	4.71	41	80403	43.287	ug/l	89
15) Acrylonitrile	5.43	53	63588	235.468	ug/l	98
16) Acetone	4.15	43	58019	192.253	ug/l	95
17) Carbon Disulfide	4.40	76	179087	42.464	ug/l #	94
18) Methyl Acetate	4.71	43	26812	47.337	ug/l	90
19) Methyl tert-butyl Ether	5.47	73	178062	53.140	ug/l	93
20) Methylene Chloride	4.96	84	73285	44.783	ug/l #	94
21) trans-1,2-Dichloroethene	5.47	96	74393	45.925	ug/l	98
22) Diisopropyl ether	6.36	45	162014	45.051	ug/l	96
23) Vinyl Acetate	6.30	43	515917	231.740	ug/l	96
24) 1,1-Dichloroethane	6.26	63	117606	46.277	ug/l	99
25) 2-Butanone	7.21	43	75762	221.138	ug/l	96
26) 2,2-Dichloropropane	7.21	77	124873	45.845	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	81044	46.692	ug/l	97
28) Bromochloromethane	7.54	49	47727	54.521	ug/l	90
29) Tetrahydrofuran	7.56	42	43613	224.125	ug/l	94
30) Chloroform	7.71	83	152124	51.737	ug/l	100
31) Cyclohexane	7.98	56	87533	37.660	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	151919	50.483	ug/l	100
36) 1,1-Dichloropropene	8.10	75	99246	43.843	ug/l	97
37) Ethyl Acetate	7.28	43	31752	41.241	ug/l #	87
38) Carbon Tetrachloride	8.09	117	145833	49.448	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	115290	43.236	ug/l	96
40) Benzene	8.34	78	280475	47.099	ug/l	99
41) Methacrylonitrile	7.56	41	28163	59.317	ug/l #	18
42) 1,2-Dichloroethane	8.41	62	115588	55.111	ug/l	98
43) Isopropyl Acetate	8.44	43	73826	47.774	ug/l	100
44) Trichloroethene	9.10	130	93480	48.310	ug/l	96
45) 1,2-Dichloropropane	9.38	63	60401	44.741	ug/l	99
46) Dibromomethane	9.47	93	43909	52.238	ug/l	96
47) Bromodichloromethane	9.66	83	120713	52.221	ug/l	100
48) Methyl methacrylate	9.45	41	36846	46.239	ug/l #	90
49) 1,4-Dioxane	9.45	88	9633	986.970	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	180867	241.943	ug/l	99
52) Toluene	10.40	92	196755	48.768	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	110113	50.202	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	117332	47.657	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	54489	47.885	ug/l	94
56) Ethyl methacrylate	10.66	69	65757	49.919	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	92231	49.001	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	151073	276.133	ug/l	92
59) 2-Hexanone	10.98	43	128030	242.801	ug/l	100
60) Dibromochloromethane	11.14	129	87659	51.106	ug/l	99
61) 1,2-Dibromoethane	11.24	107	55425	49.494	ug/l	96
64) Tetrachloroethene	10.87	164	83870	46.361	ug/l	95
65) Chlorobenzene	11.67	112	226300	47.697	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	97307	50.186	ug/l	97
67) Ethyl Benzene	11.74	91	397784	47.630	ug/l	100
68) m/p-Xylenes	11.85	106	300599	94.432	ug/l	97
69) o-Xylene	12.18	106	142136	47.997	ug/l	98
70) Styrene	12.19	104	249498	49.068	ug/l	98
71) Bromoform	12.36	173	54863	49.873	ug/l #	98
73) Isopropylbenzene	12.48	105	396827	46.790	ug/l	100
74) N-amyl acetate	12.29	43	70202	45.831	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	54353	44.863	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	80809	90.731	ug/l	22
77) Bromobenzene	12.76	156	102964	47.833	ug/l	98
78) n-propylbenzene	12.82	91	435418	44.777	ug/l	99
79) 2-Chlorotoluene	12.91	91	259912	46.798	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	344327	47.023	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19267	45.919	ug/l	95
82) 4-Chlorotoluene	13.00	91	276139	46.929	ug/l	98
83) tert-Butylbenzene	13.23	119	298630	46.953	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	350659	48.755	ug/l	98
85) sec-Butylbenzene	13.40	105	382695	45.924	ug/l	100
86) p-Isopropyltoluene	13.52	119	372334	46.338	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	189351	47.124	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	189673	47.013	ug/l	98
89) n-Butylbenzene	13.84	91	312692	44.099	ug/l	99
90) Hexachloroethane	14.11	117	73406	46.246	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	167618	48.458	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12493	49.166	ug/l	92

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QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

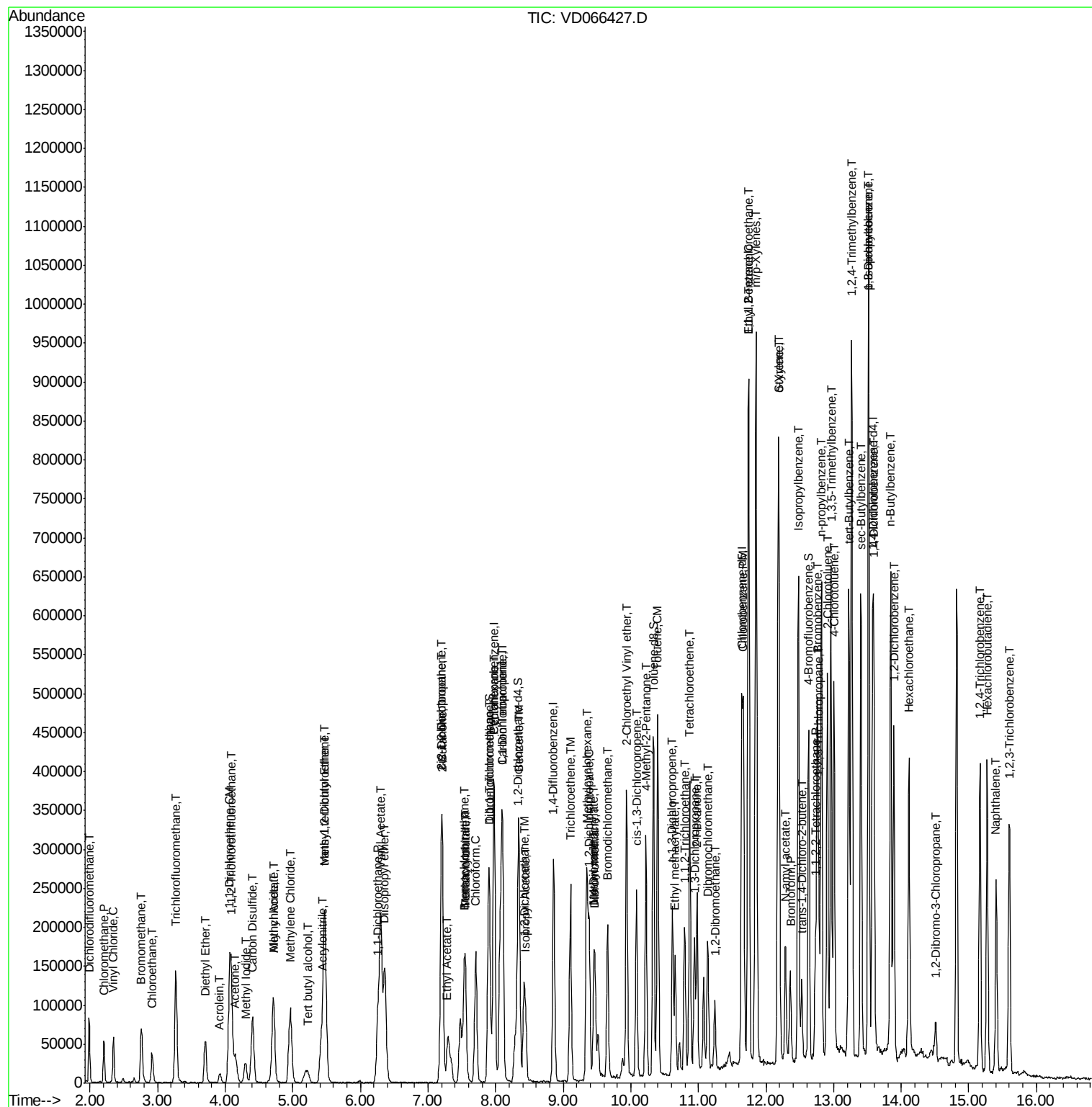
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	132048	48.899	ug/l	98
94) Hexachlorobutadiene	15.27	225	77518	46.192	ug/l	100
95) Naphthalene	15.40	128	218224	51.451	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	116078	50.178	ug/l	98

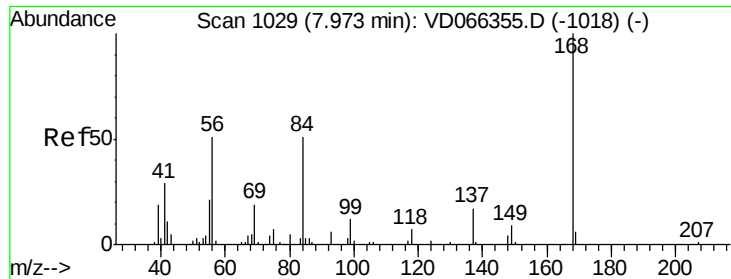
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

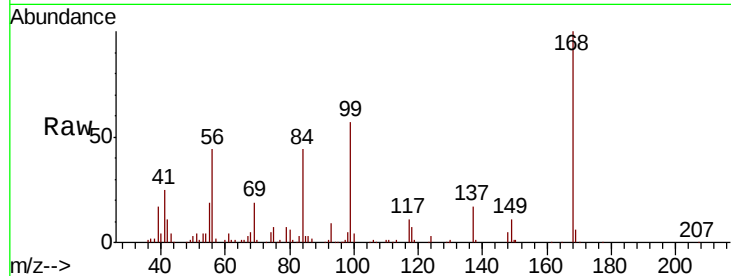
VSTDCCC050EC

Tot Ion:168 Resp: 170741

Ion Ratio Lower Upper

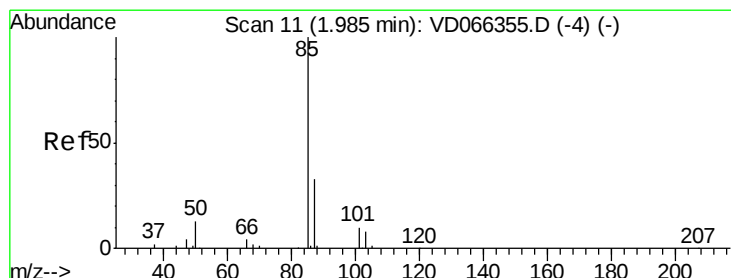
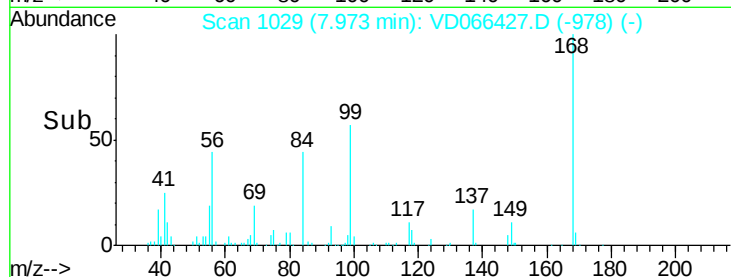
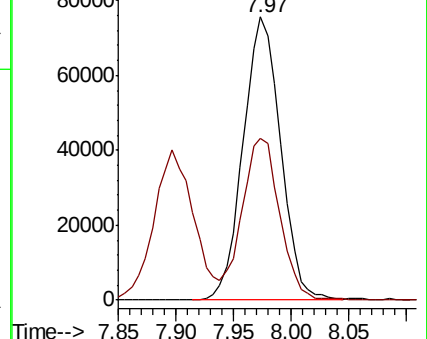
168 100

99 56.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 39.163 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066427.D

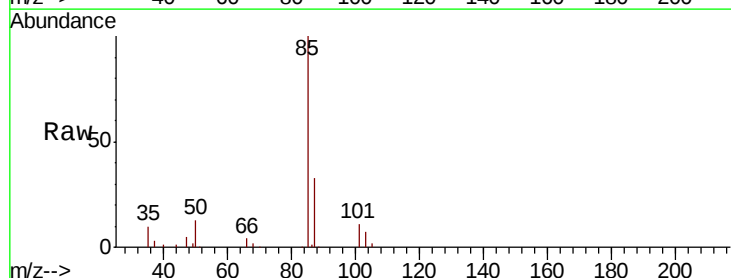
Acq: 26 Aug 2020 18:17

Tgt Ion: 85 Resp: 56847

Ion Ratio Lower Upper

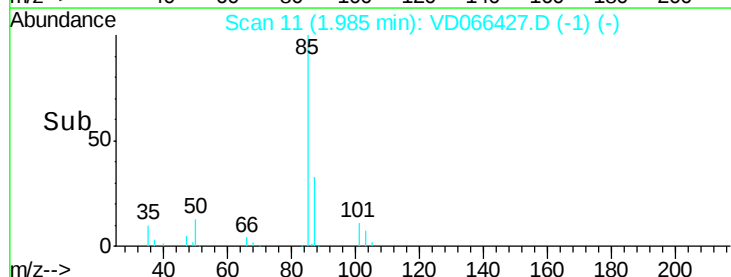
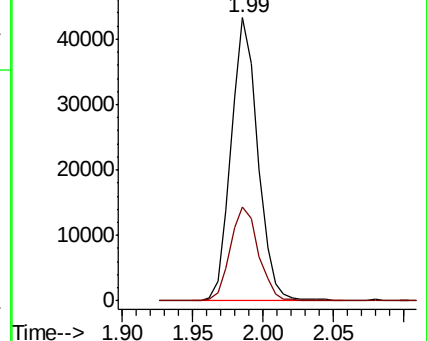
85 100

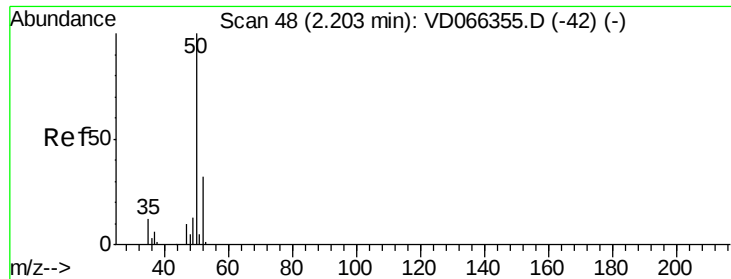
87 33.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.287 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

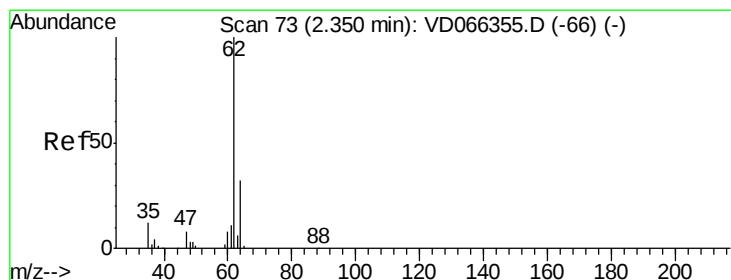
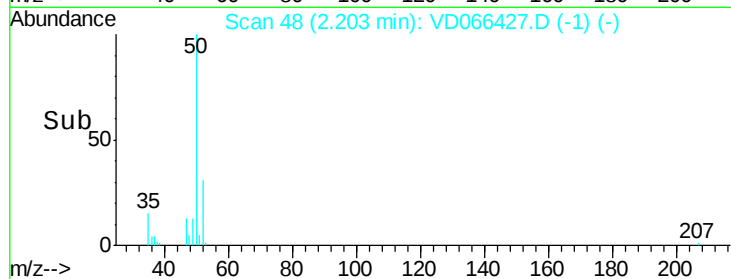
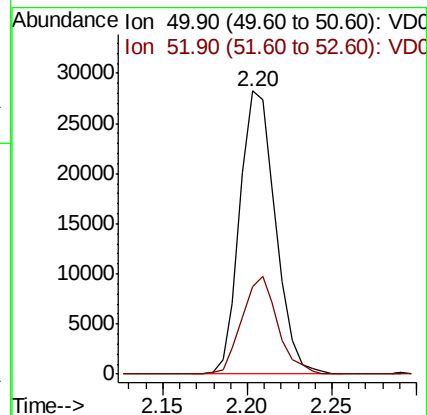
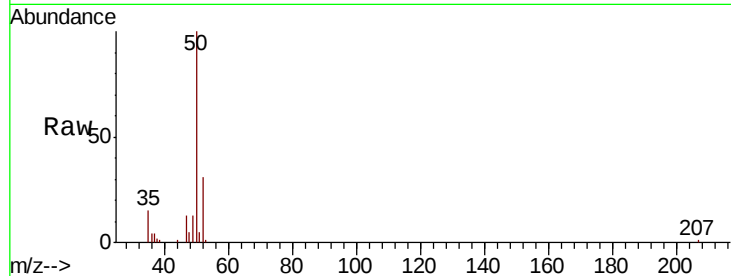
VSTDCCC050EC

Tot Ion: 50 Resp: 41452

Ion Ratio Lower Upper

50 100

52 30.8 25.7 38.5



#4

Vinyl Chloride

Concen: 40.285 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066427.D

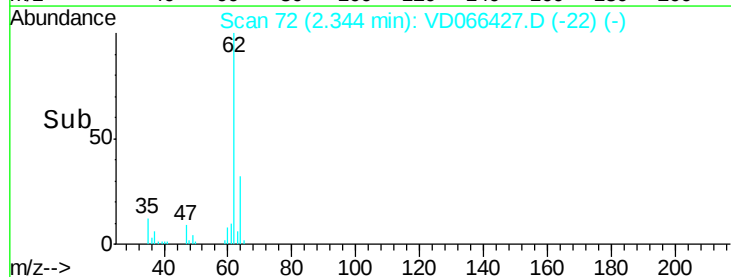
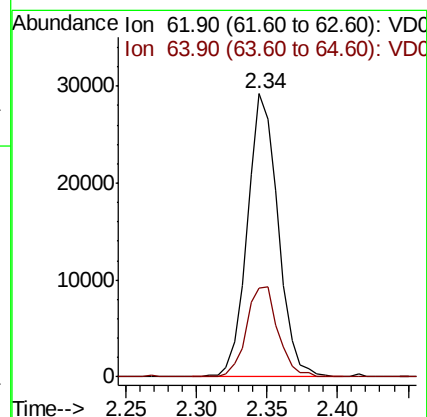
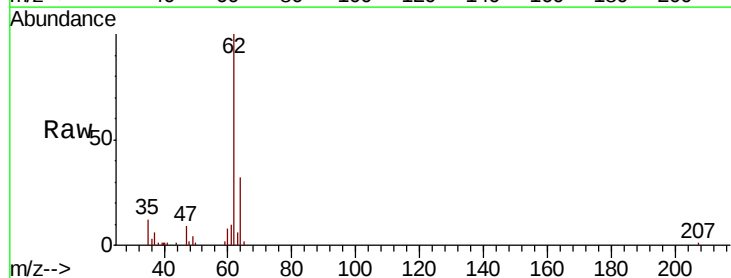
Acq: 26 Aug 2020 18:17

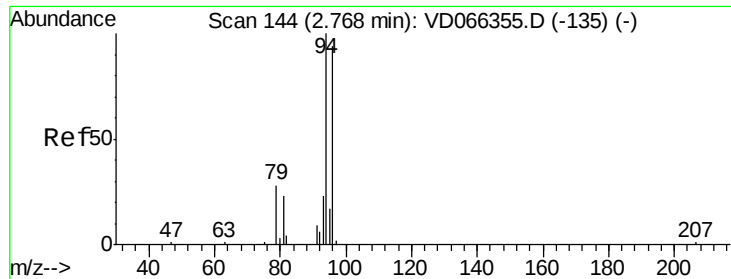
Tgt Ion: 62 Resp: 44503

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 60.846 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

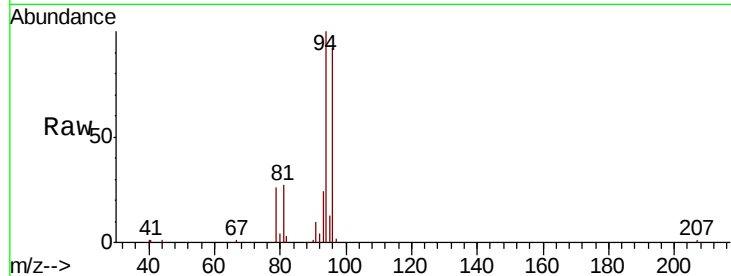
VSTDCCC050EC

Tot Ion: 94 Resp: 50277

Ion Ratio Lower Upper

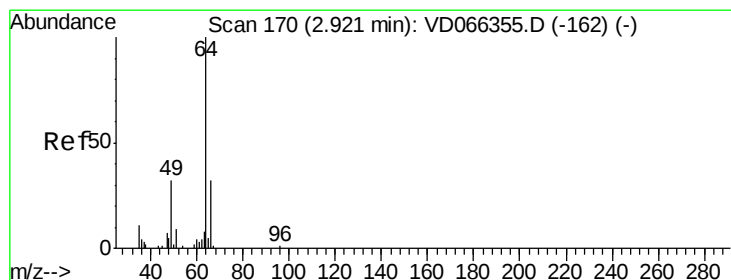
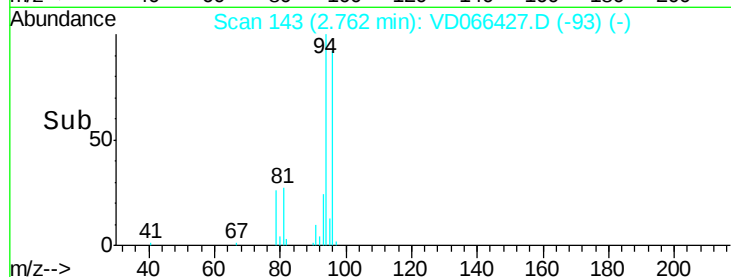
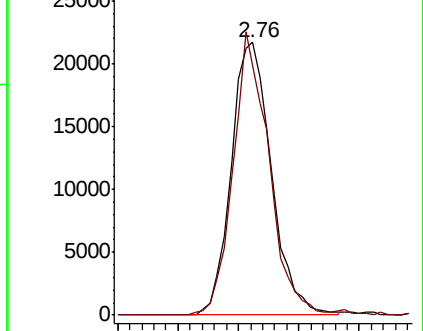
94 100

96 91.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.137 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066427.D

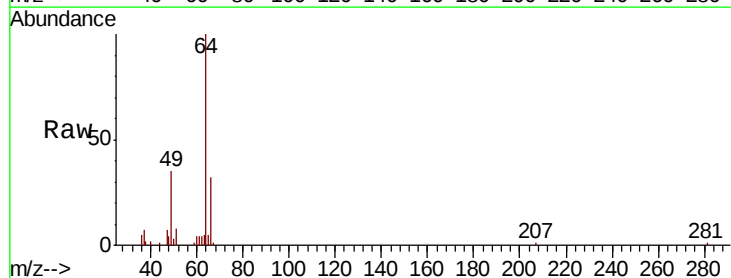
Acq: 26 Aug 2020 18:17

Tgt Ion: 64 Resp: 32636

Ion Ratio Lower Upper

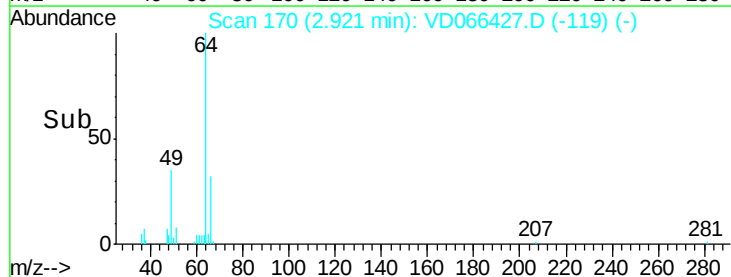
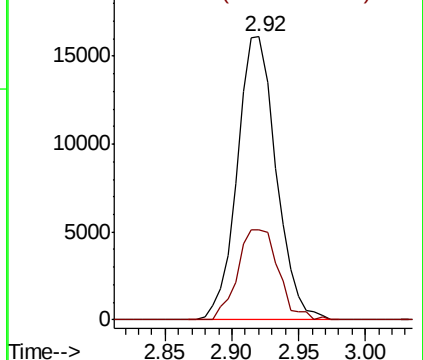
64 100

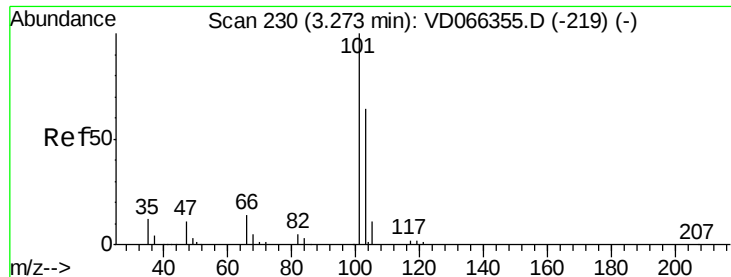
66 31.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



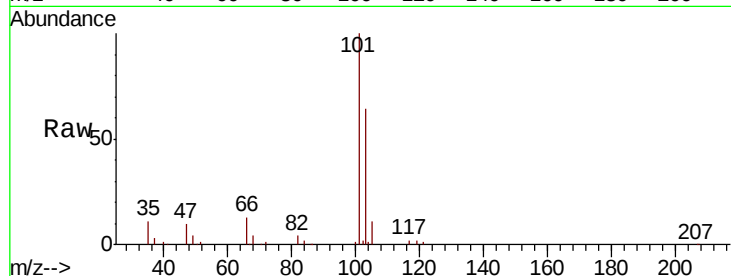


#7

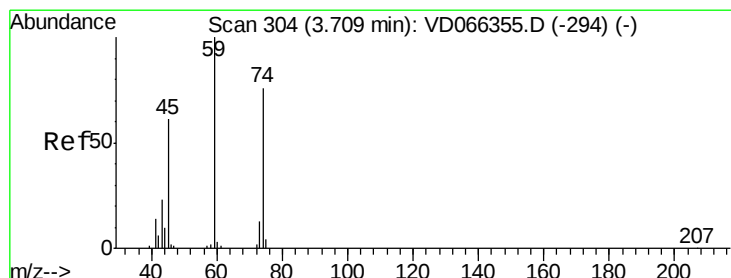
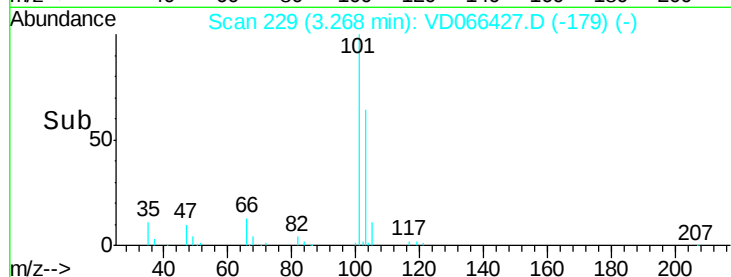
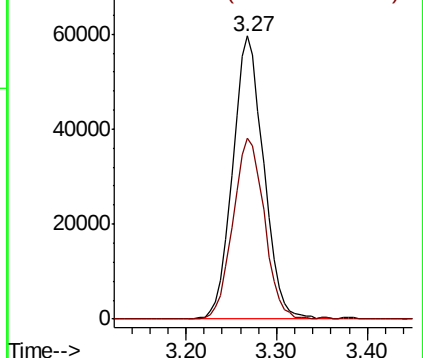
Trichlorofluoromethane
Concen: 47.072 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

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Tot Ion:101 Resp: 141404
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.0



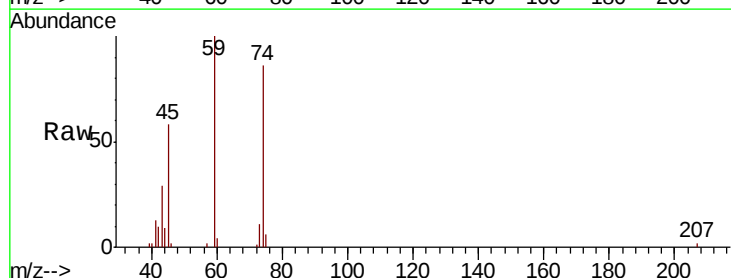
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



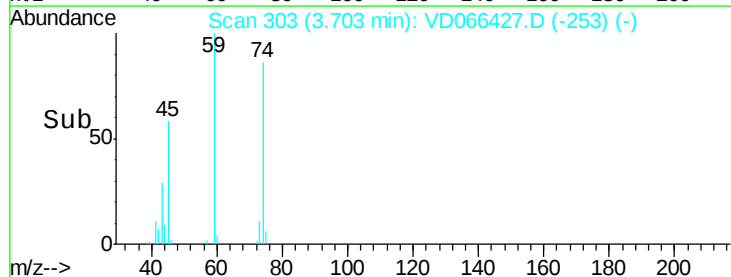
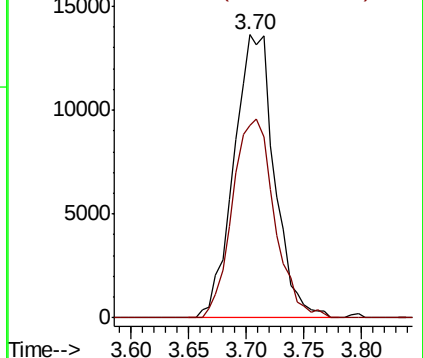
#8

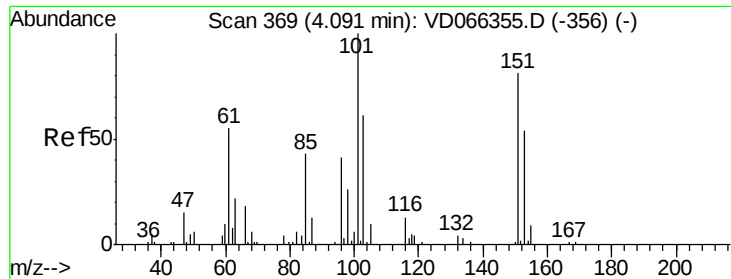
Diethyl Ether
Concen: 49.624 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion: 74 Resp: 33400
Ion Ratio Lower Upper
74 100
45 72.4 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.284 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066427.D

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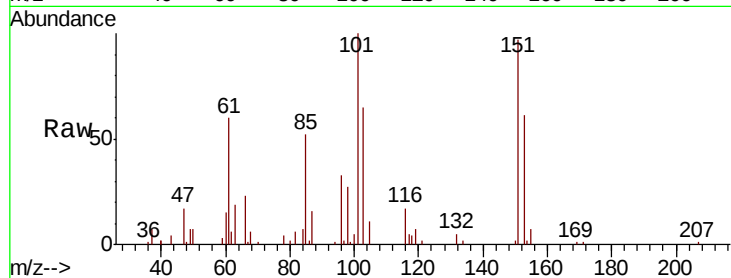
Tot Ion:101 Resp: 62686

Ion Ratio Lower Upper

101 100

85 46.8 36.4 54.6

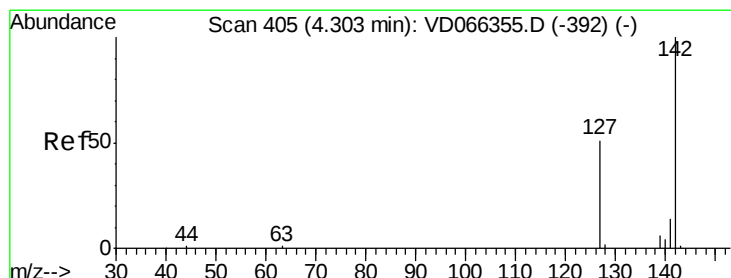
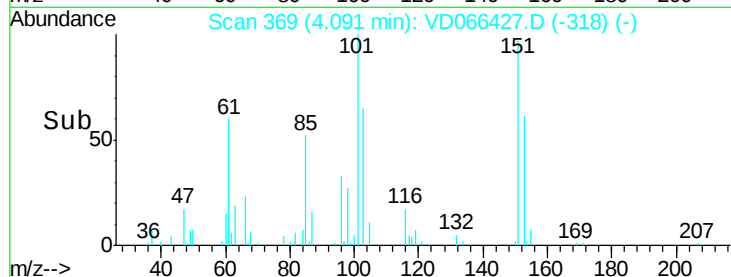
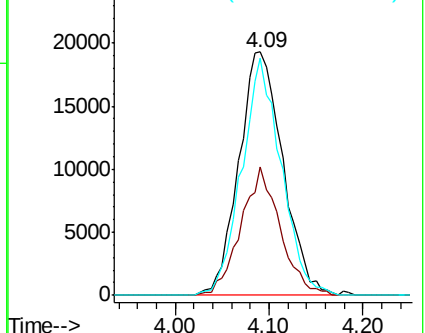
151 87.8 70.5 105.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.177 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

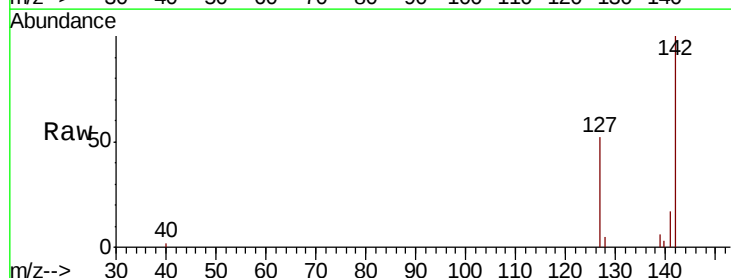
Tgt Ion:142 Resp: 40880

Ion Ratio Lower Upper

142 100

127 53.8 41.8 62.8

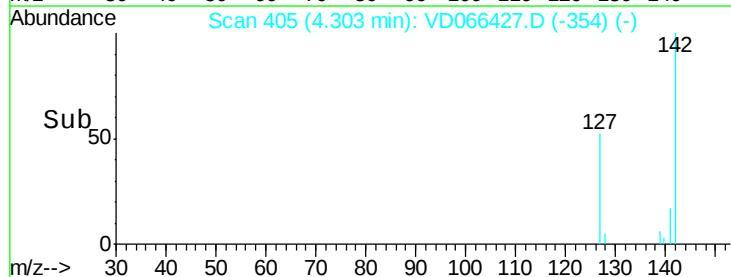
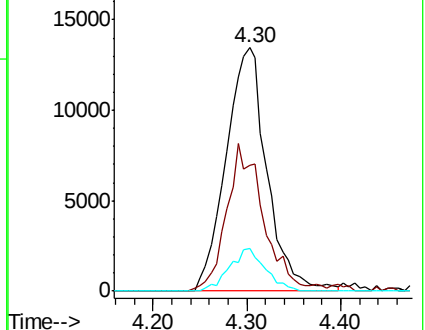
141 15.1 11.8 17.6

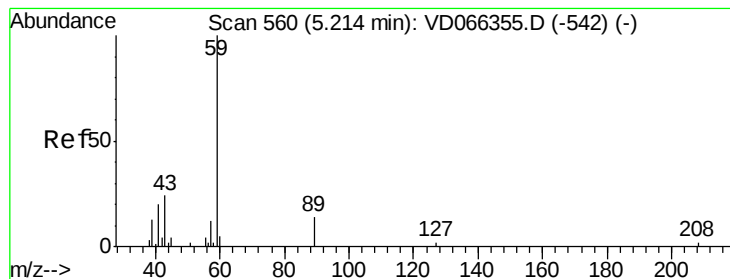


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



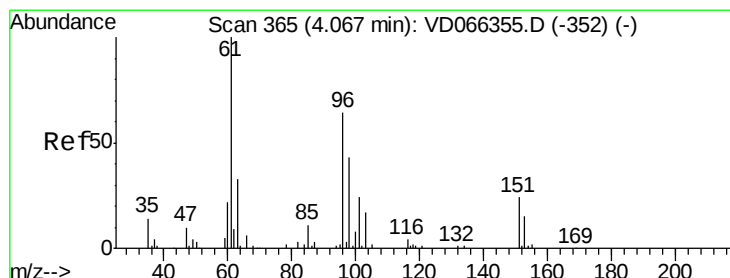
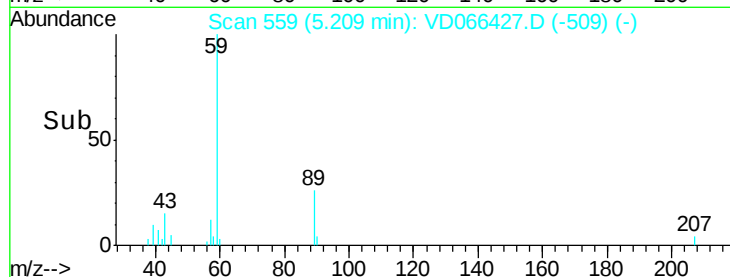
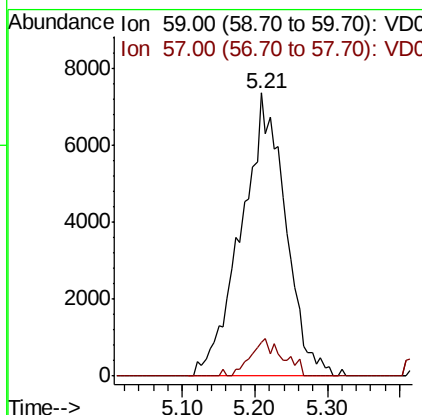
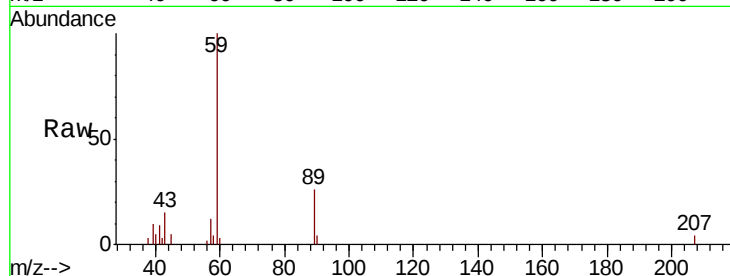


#11

Tert butyl alcohol
 Concen: 340.745 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

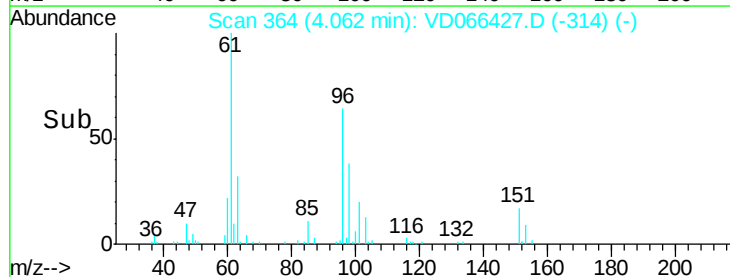
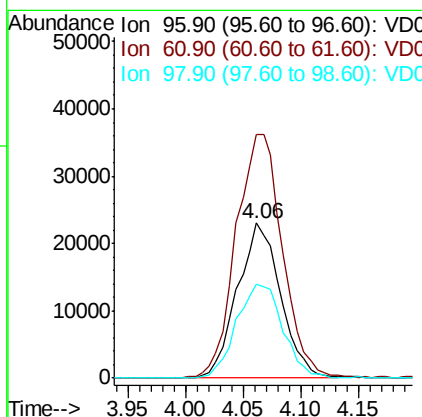
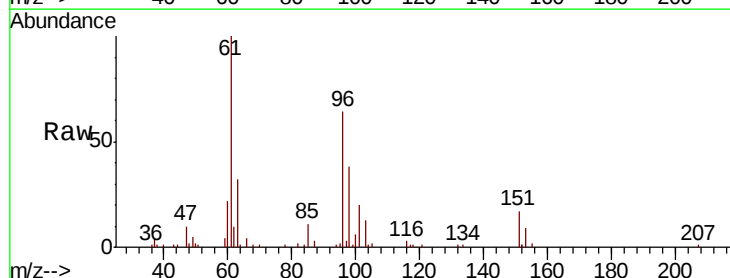
Tot Ion: 59 Resp: 31167
 Ion Ratio Lower Upper
 59 100
 57 9.5 9.0 13.4

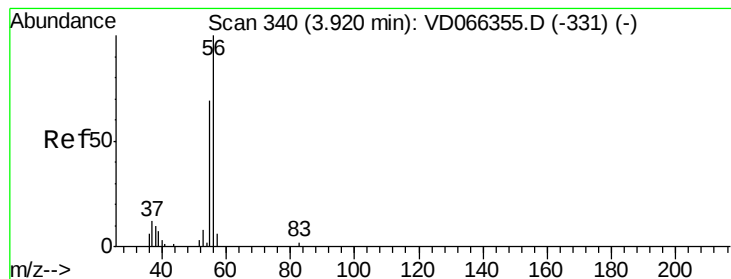


#12

1,1-Dichloroethene
 Concen: 43.152 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

Tgt Ion: 96 Resp: 60050
 Ion Ratio Lower Upper
 96 100
 61 156.4 124.3 186.5
 98 60.5 53.2 79.8





#13

Acrolein

Concen: 166.628 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

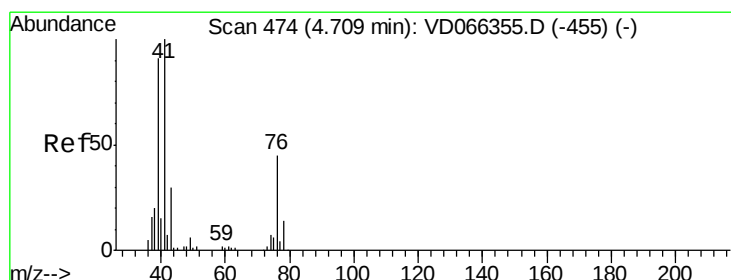
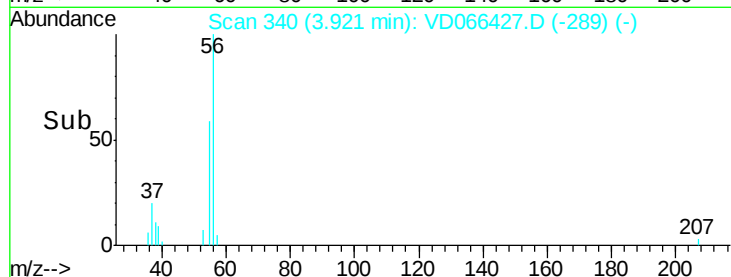
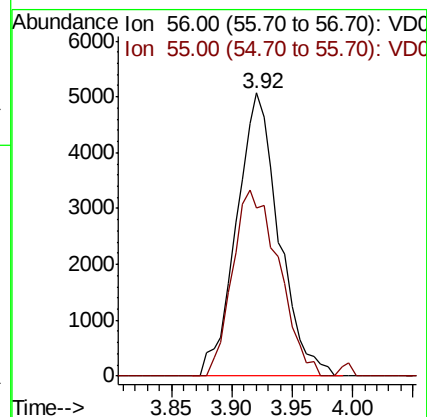
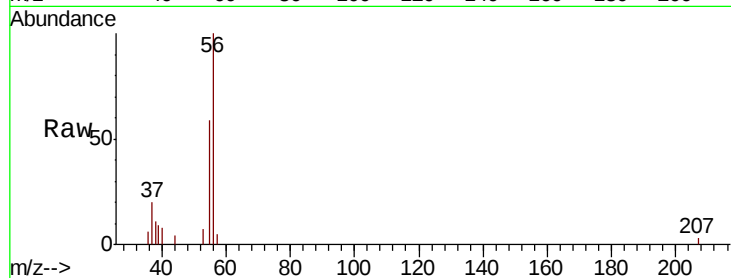
VSTDCCC050EC

Tot Ion: 56 Resp: 12386

Ion Ratio Lower Upper

56 100

55 71.6 55.5 83.3



#14

Allyl chloride

Concen: 43.287 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

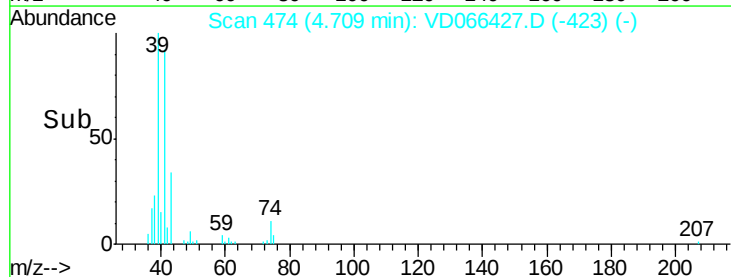
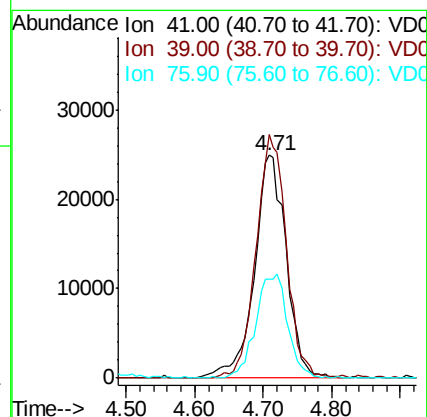
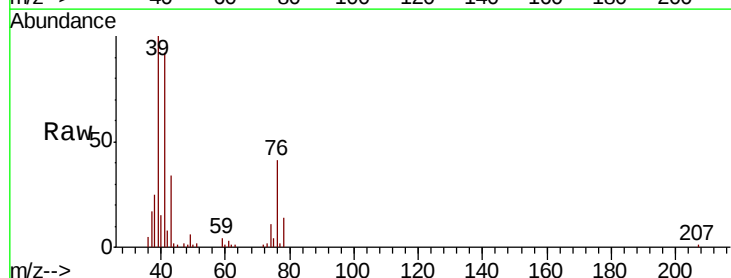
Tgt Ion: 41 Resp: 80403

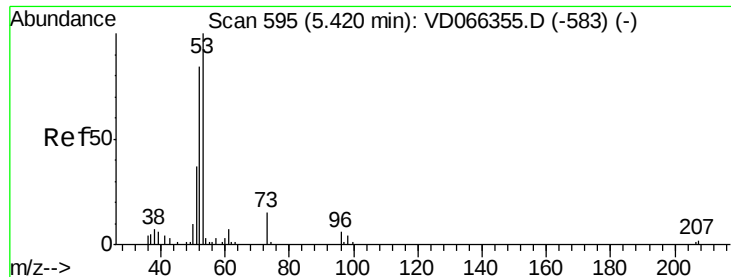
Ion Ratio Lower Upper

41 100

39 103.5 72.8 109.2

76 46.3 34.0 51.0





#15

Acrylonitrile

Concen: 235.468 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

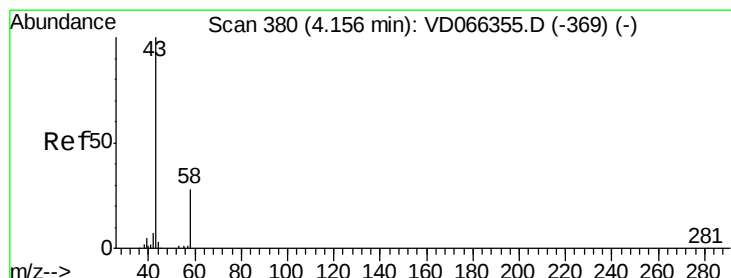
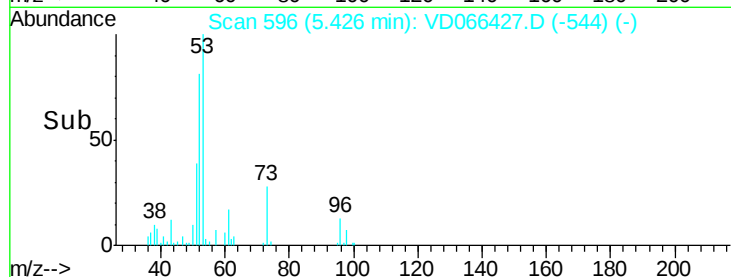
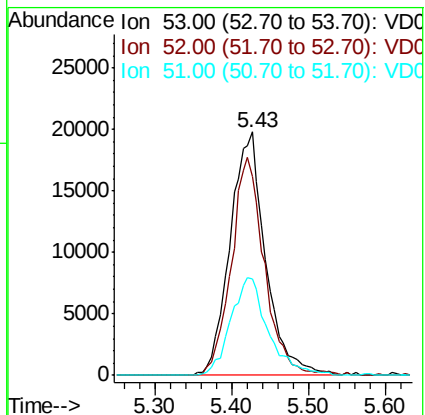
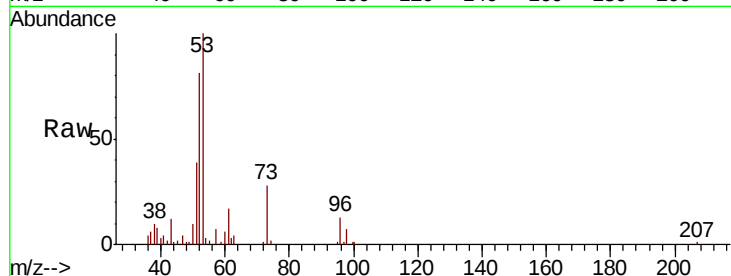
Tot Ion: 53 Resp: 63588

Ion Ratio Lower Upper

53 100

52 83.2 68.1 102.1

51 42.6 33.8 50.6



#16

Acetone

Concen: 192.253 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066427.D

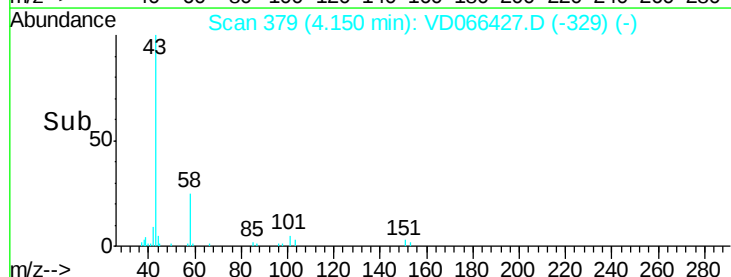
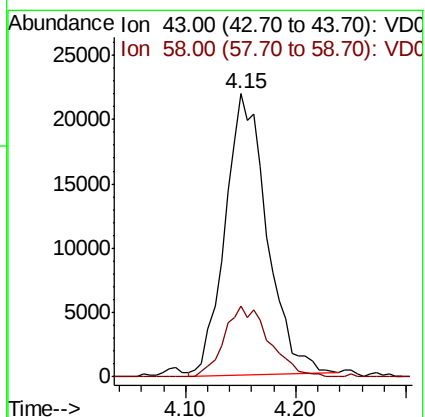
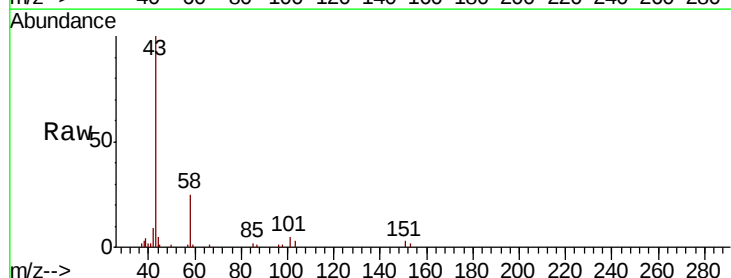
Acq: 26 Aug 2020 18:17

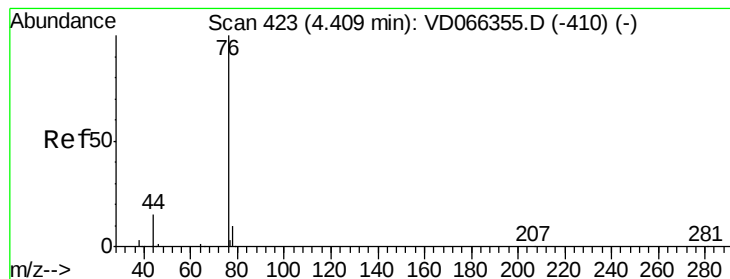
Tgt Ion: 43 Resp: 58019

Ion Ratio Lower Upper

43 100

58 25.6 22.7 34.1





#17

Carbon Disulfide

Concen: 42.464 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

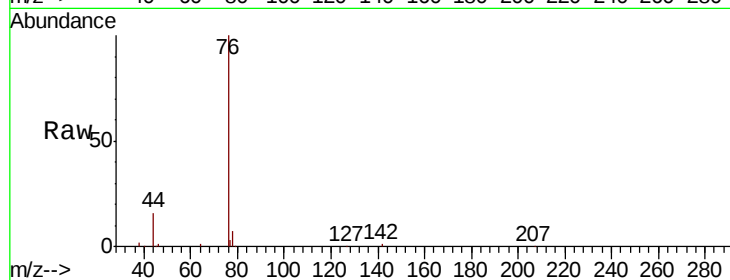
VSTDCCC050EC

Tot Ion: 76 Resp: 179087

Ion Ratio Lower Upper

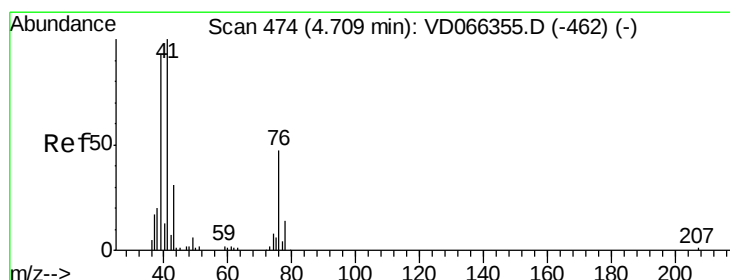
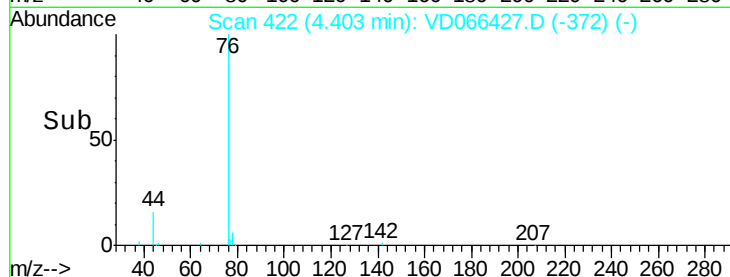
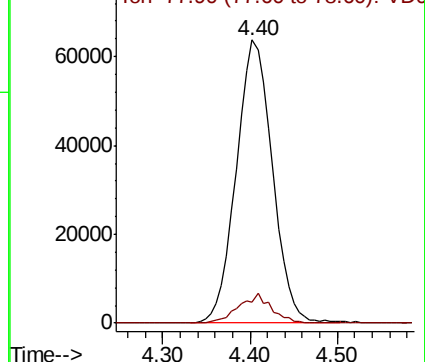
76 100

78 7.4 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.337 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066427.D

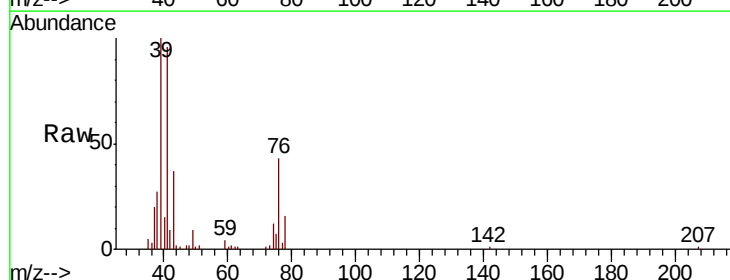
Acq: 26 Aug 2020 18:17

Tgt Ion: 43 Resp: 26812

Ion Ratio Lower Upper

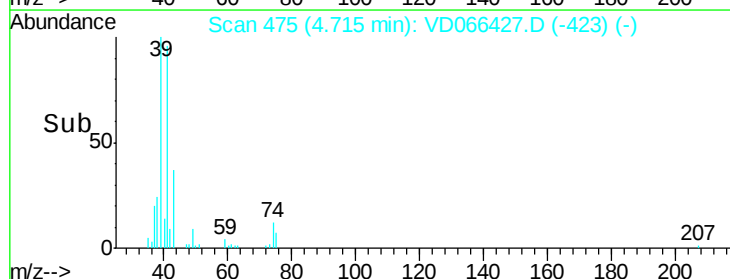
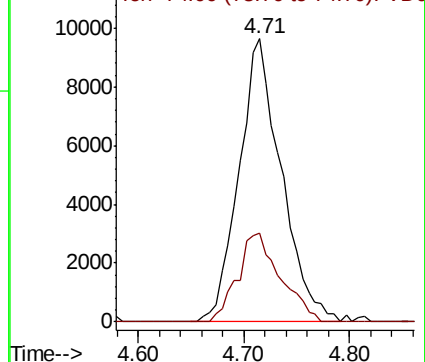
43 100

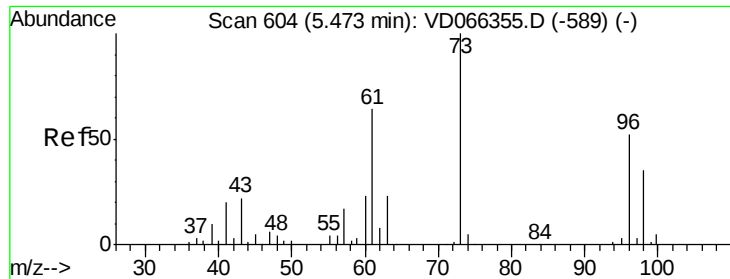
74 31.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

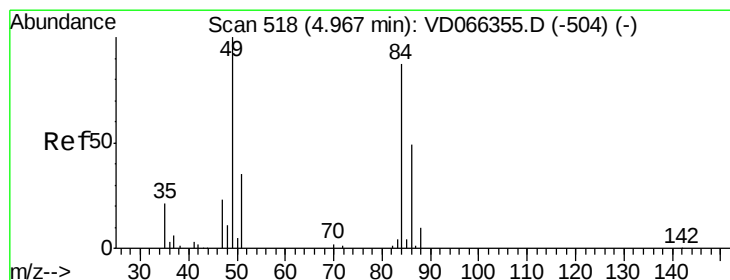
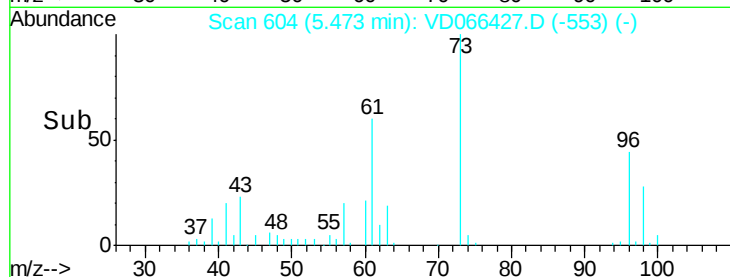
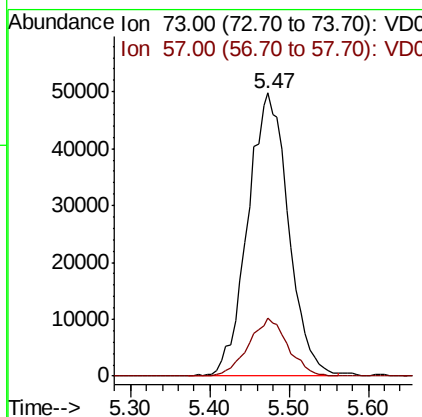
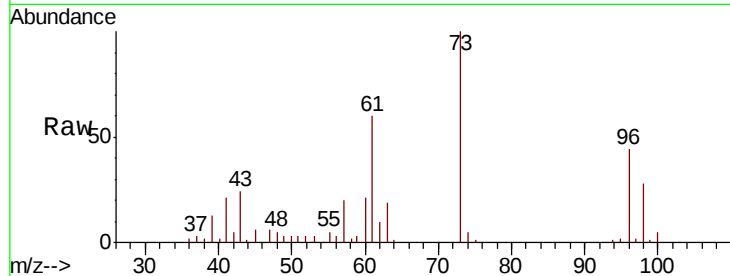




#19
Methvl tert-butvl Ether
Concen: 53.140 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

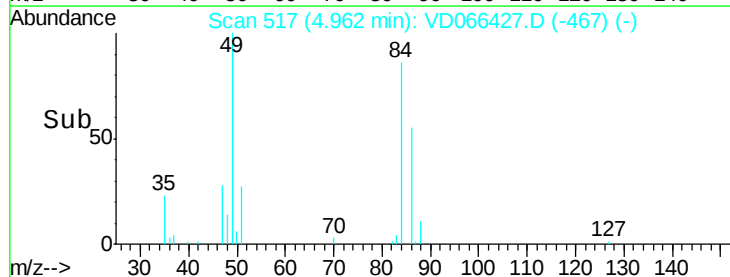
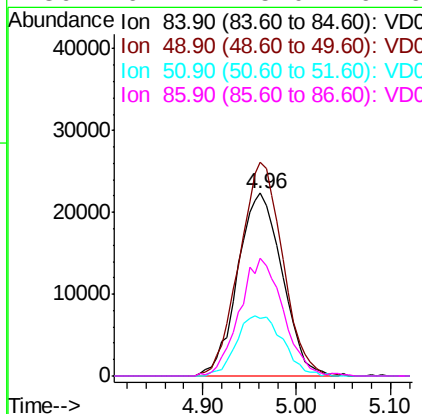
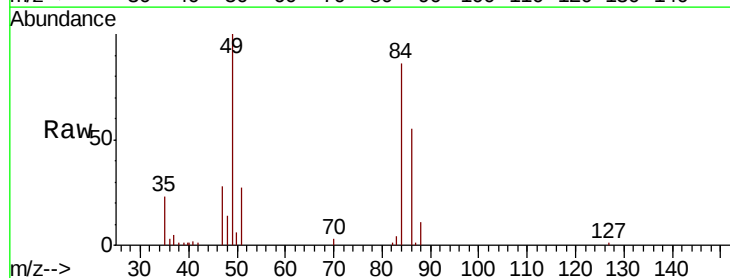
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

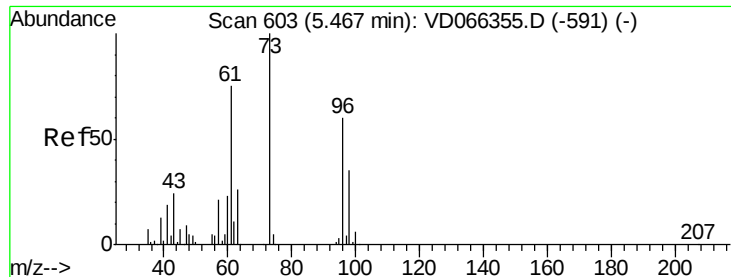
Tot Ion: 73 Resp: 178062
Ion Ratio Lower Upper
73 100
57 20.4 13.8 20.6



#20
Methylene Chloride
Concen: 44.783 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion: 84 Resp: 73285
Ion Ratio Lower Upper
84 100
49 116.9 92.5 138.7
51 31.4 32.5 48.7#
86 64.2 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 45.925 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

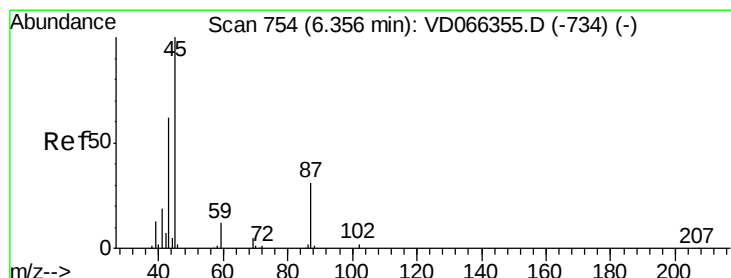
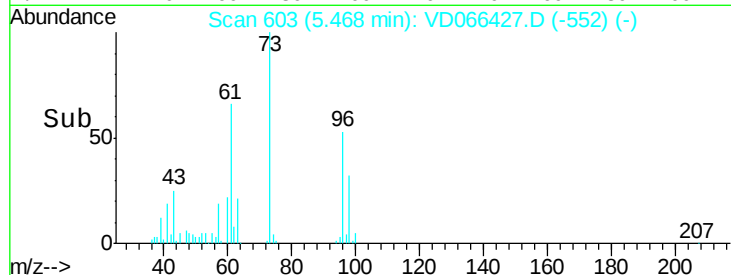
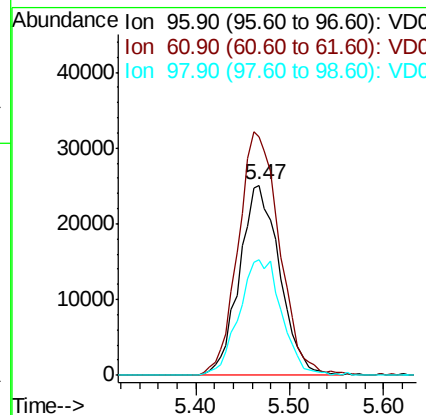
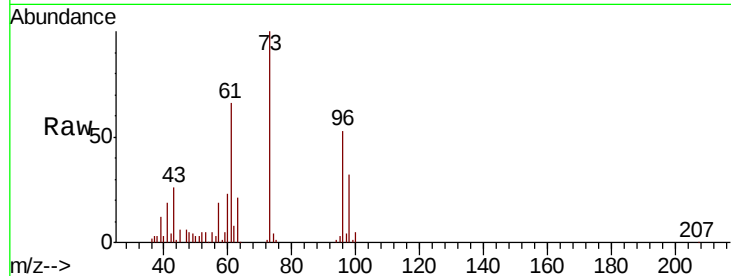
Tot Ion: 96 Resp: 74393

Ion Ratio Lower Upper

96 100

61 125.2 101.1 151.7

98 60.8 47.0 70.6



#22

Diisopropyl ether

Concen: 45.051 ug/l

RT: 6.36 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Tgt Ion: 45 Resp: 162014

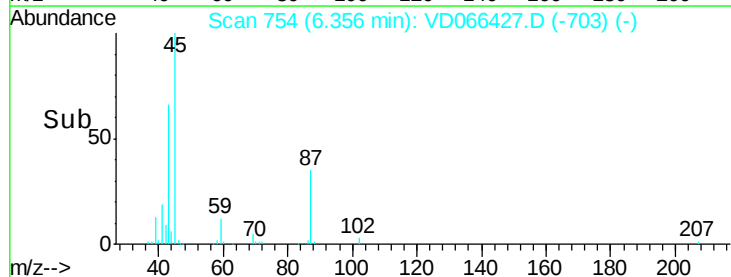
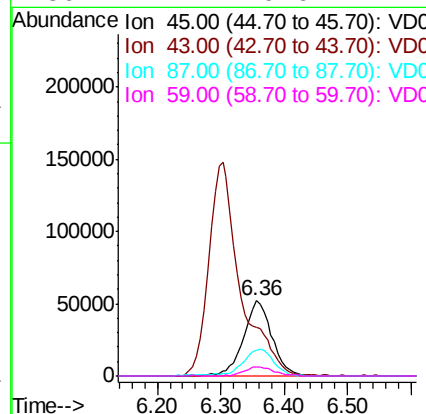
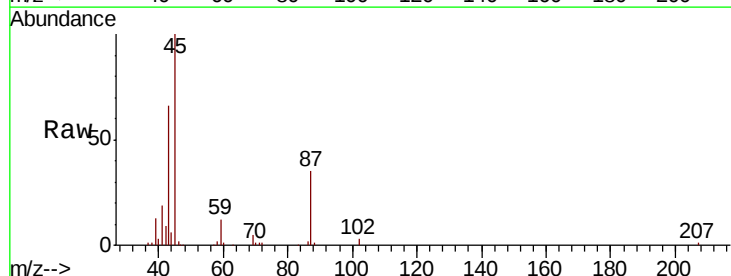
Ion Ratio Lower Upper

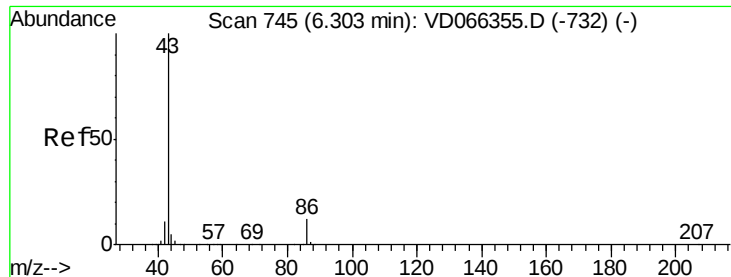
45 100

43 64.7 49.8 74.8

87 34.7 25.0 37.6

59 12.1 9.6 14.4





#23

Vinyl Acetate

Concen: 231.740 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

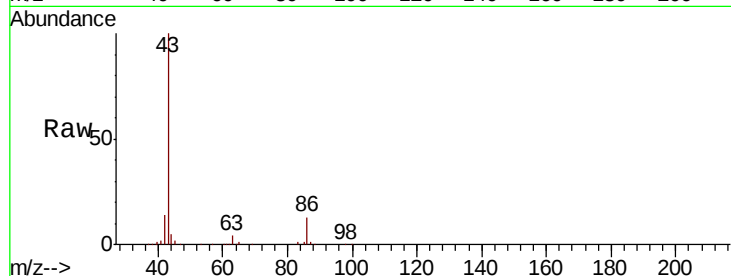
VSTDCCC050EC

Tot Ion: 43 Resp: 515917

Ion Ratio Lower Upper

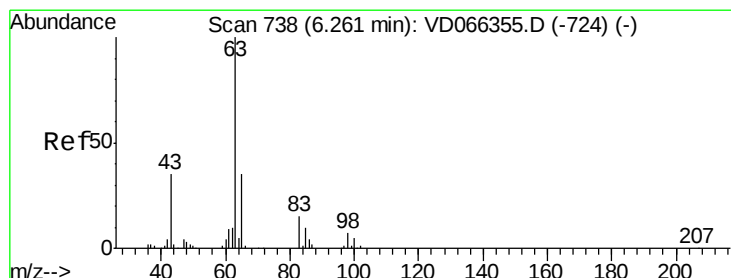
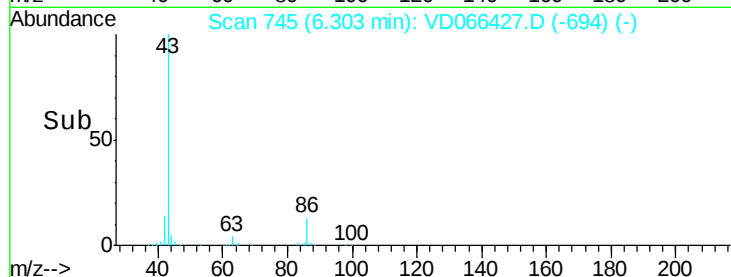
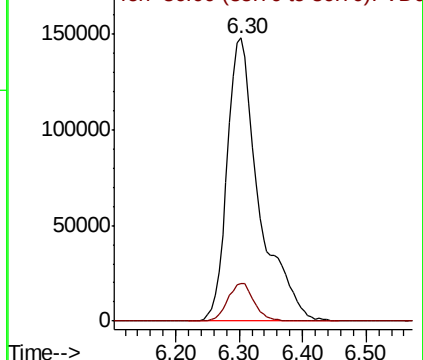
43 100

86 13.3 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.277 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

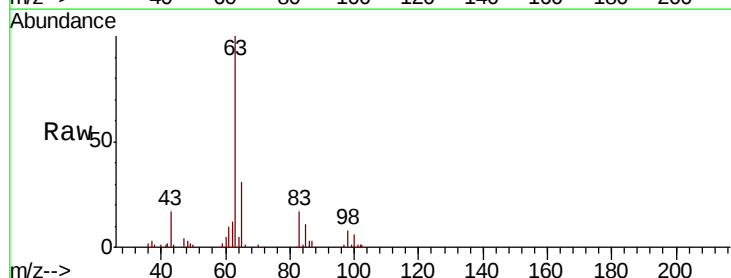
Tgt Ion: 63 Resp: 117606

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.6

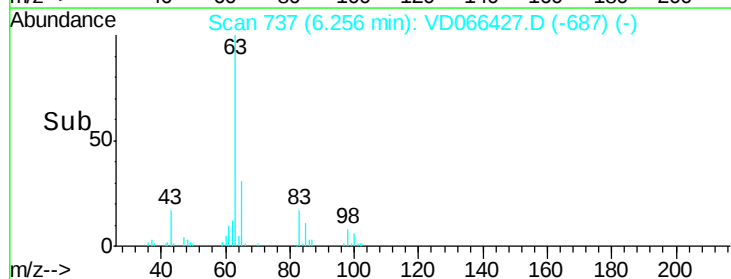
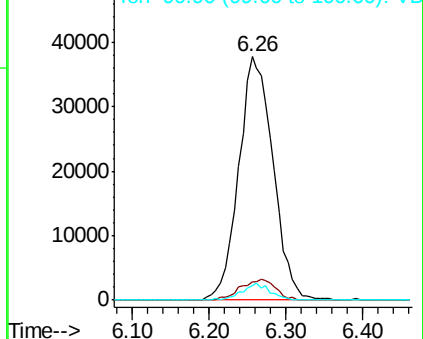
100 5.7 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 221.138 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

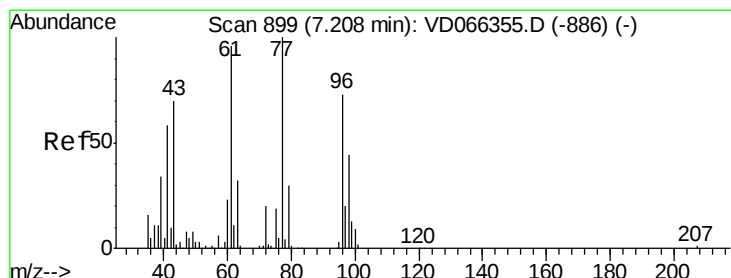
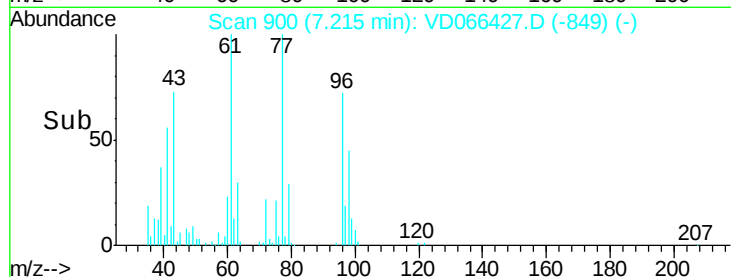
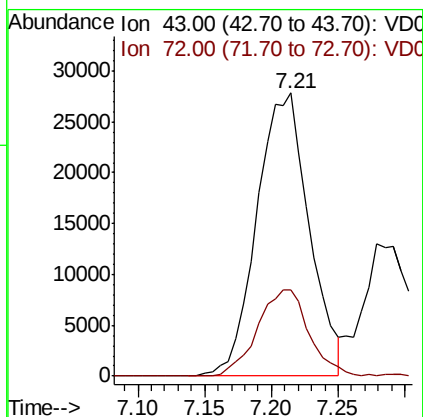
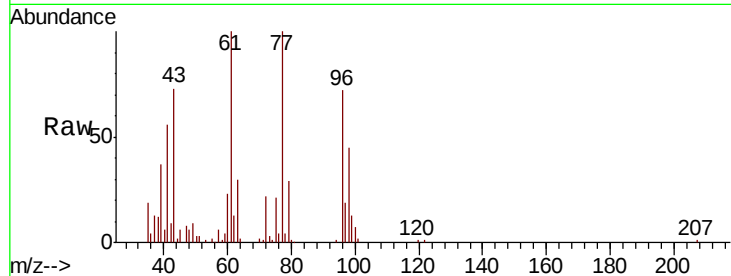
VSTDCCC050EC

Tot Ion: 43 Resp: 75762

Ion Ratio Lower Upper

43 100

72 30.3 22.5 33.7



#26

2,2-Dichloropropane

Concen: 45.845 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066427.D

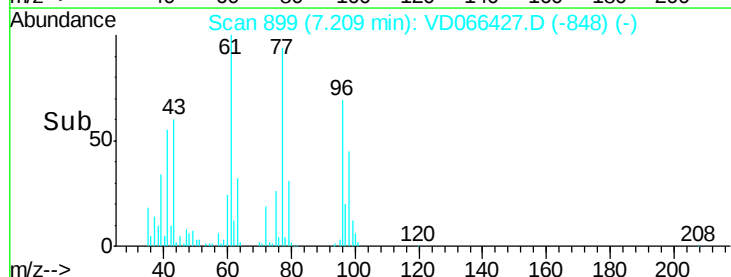
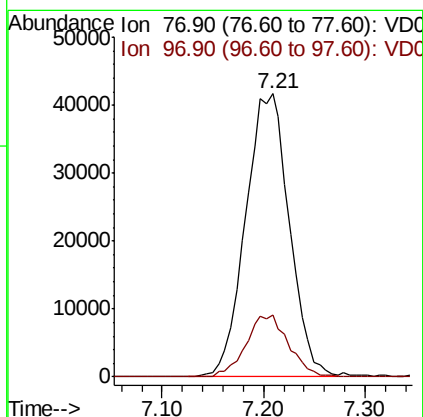
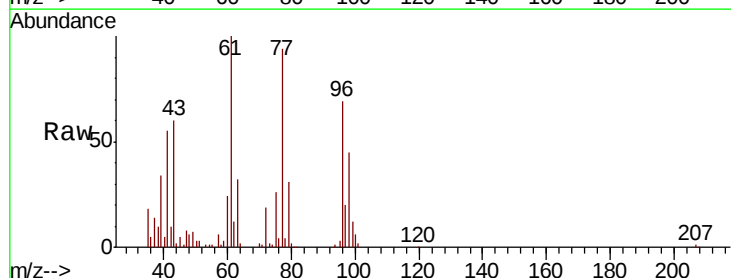
Acq: 26 Aug 2020 18:17

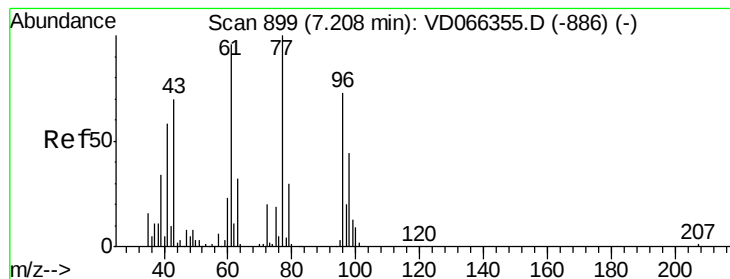
Tgt Ion: 77 Resp: 124873

Ion Ratio Lower Upper

77 100

97 21.2 10.7 31.9



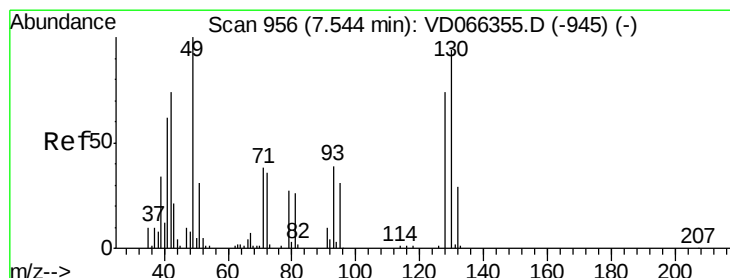
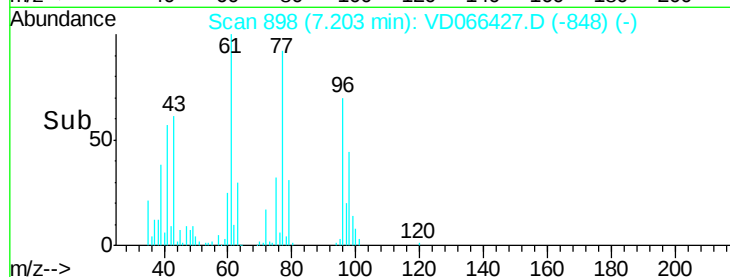
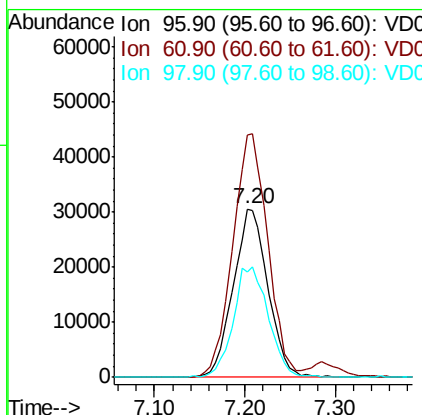
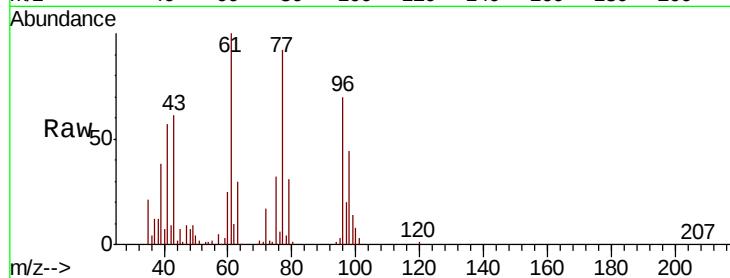


#27

cis-1,2-Dichloroethene
Concen: 46.692 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

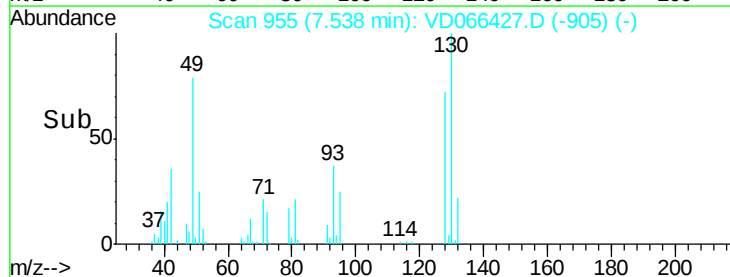
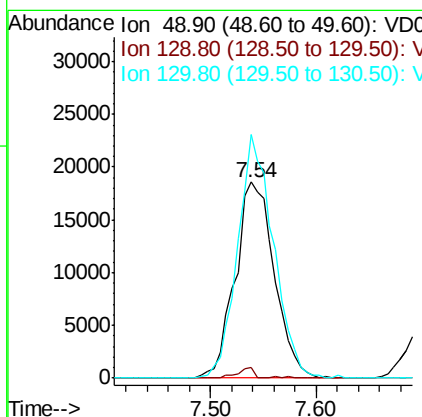
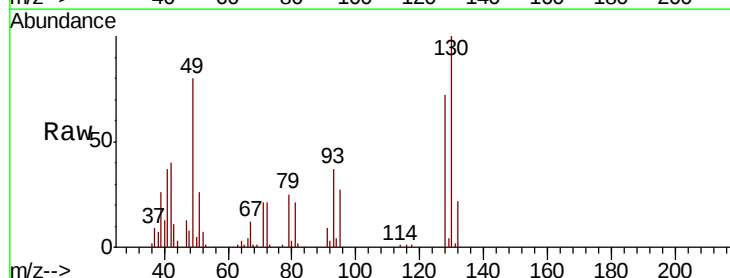
Tot Ion: 96 Resp: 81044
Ion Ratio Lower Upper
96 100
61 146.4 0.0 281.4
98 66.8 0.0 132.2

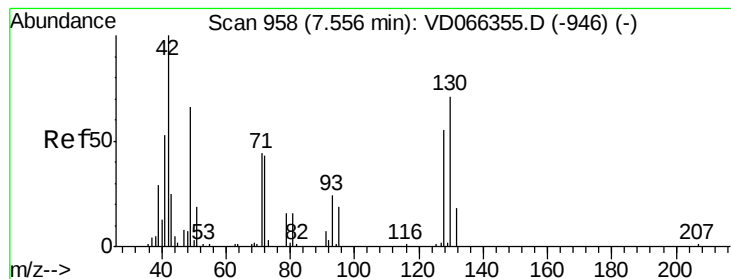


#28

Bromochloromethane
Concen: 54.521 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion: 49 Resp: 47727
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.0
130 113.4 82.6 124.0





#29

Tetrahydrofuran

Concen: 224.125 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

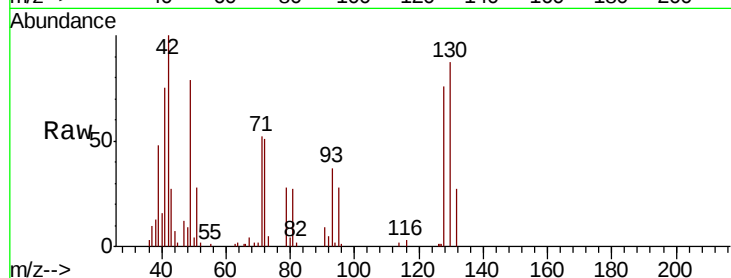
Tot Ion: 42 Resp: 43613

Ion Ratio Lower Upper

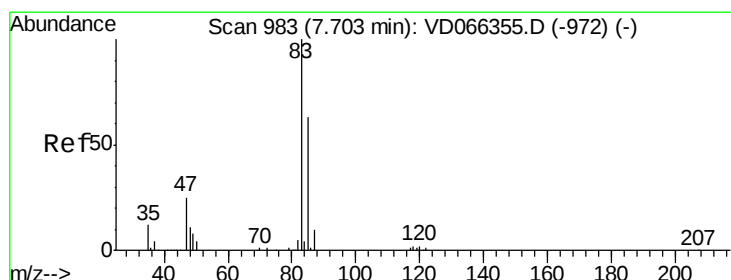
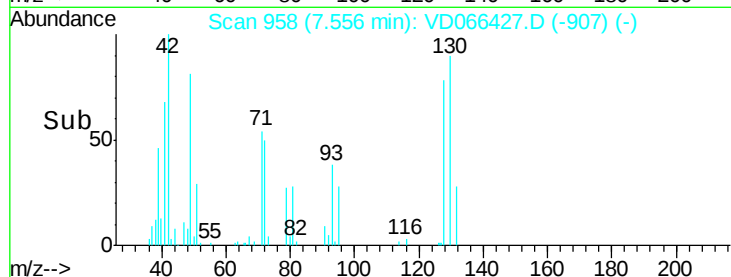
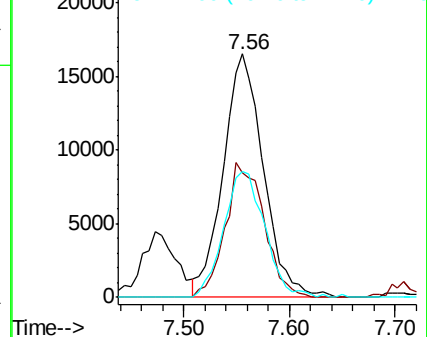
42 100

72 53.2 41.0 61.4

71 52.9 37.2 55.8



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



#30

Chloroform

Concen: 51.737 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066427.D

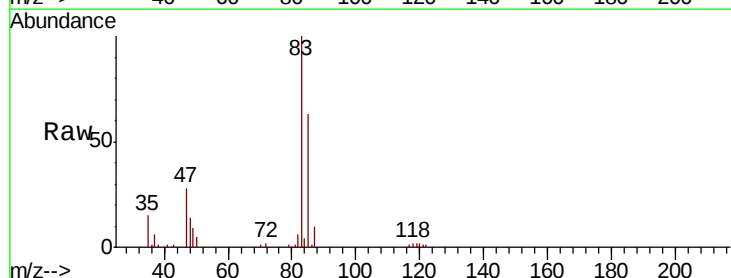
Acq: 26 Aug 2020 18:17

Tgt Ion: 83 Resp: 152124

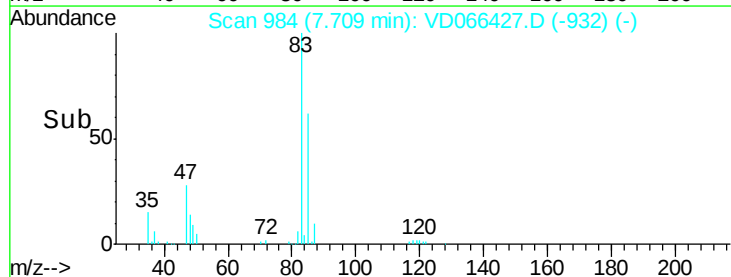
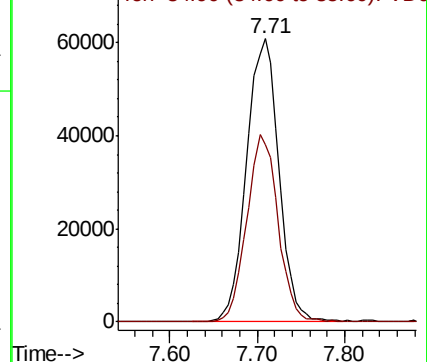
Ion Ratio Lower Upper

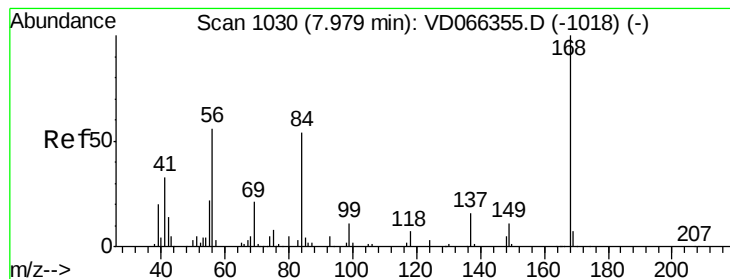
83 100

85 62.6 50.3 75.5



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





#31

Cyclohexane

Concen: 37.660 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

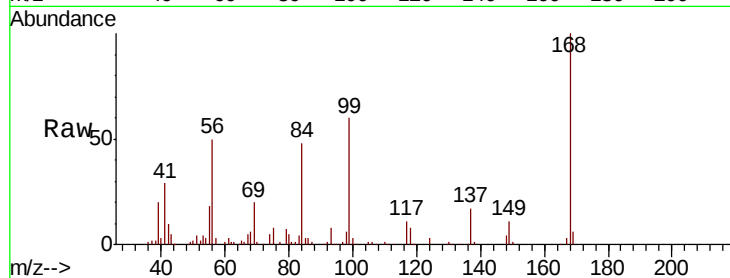
Tot Ion: 56 Resp: 87533

Ion Ratio Lower Upper

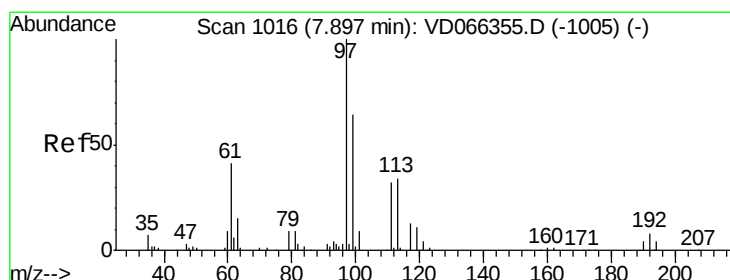
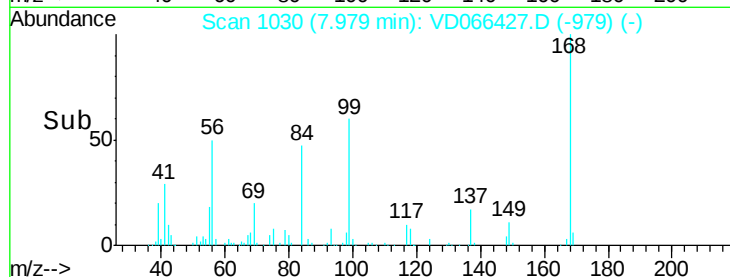
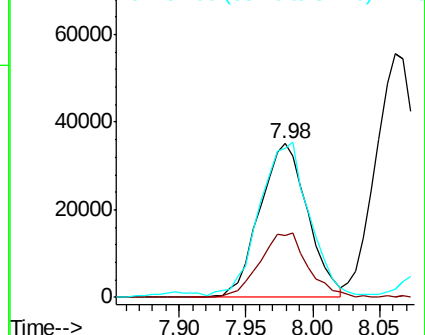
56 100

69 40.5 29.6 44.4

84 94.2 76.6 115.0



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



#32

1,1,1-Trichloroethane

Concen: 50.483 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

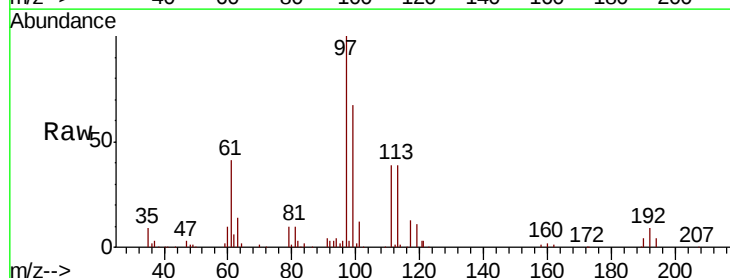
Tgt Ion: 97 Resp: 151919

Ion Ratio Lower Upper

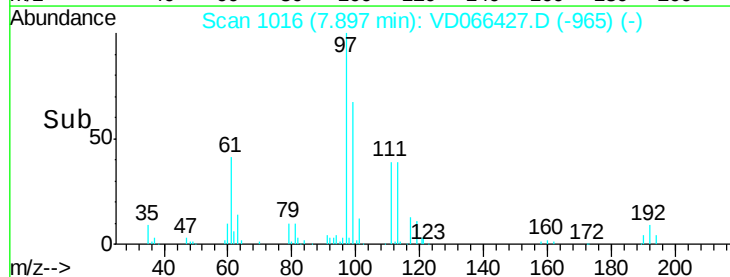
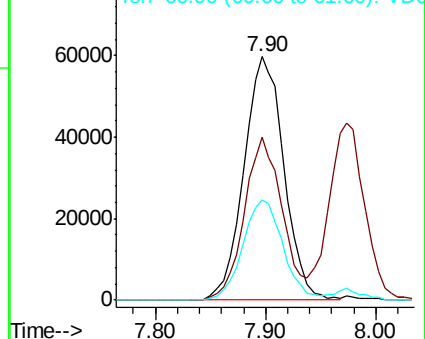
97 100

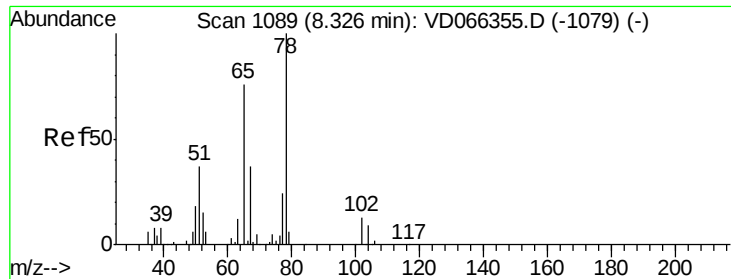
99 63.9 51.5 77.3

61 41.4 33.3 49.9



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

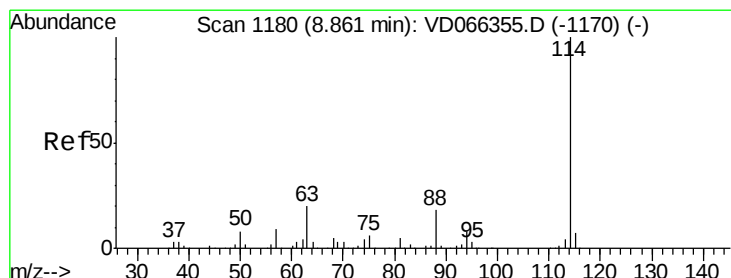
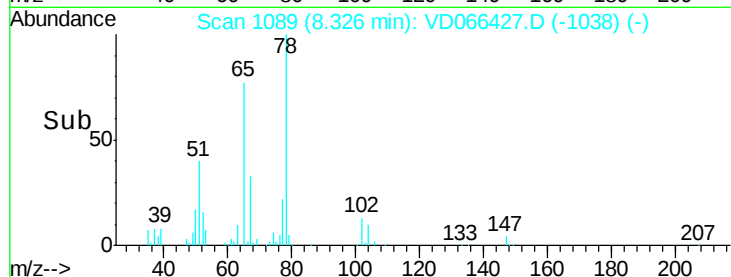
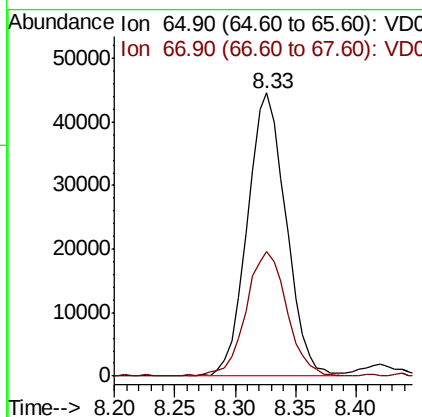
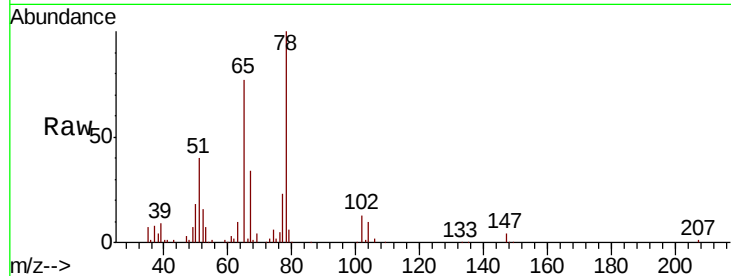




#33
 1,2-Dichloroethane-d4
 Concen: 59.340 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

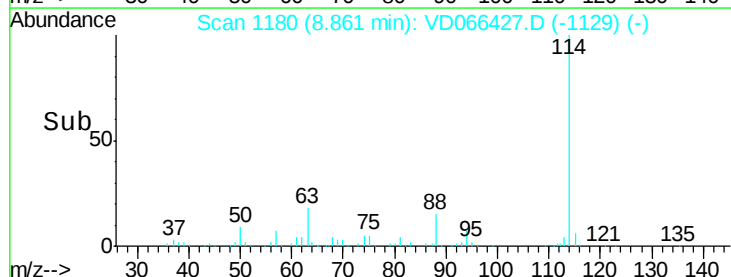
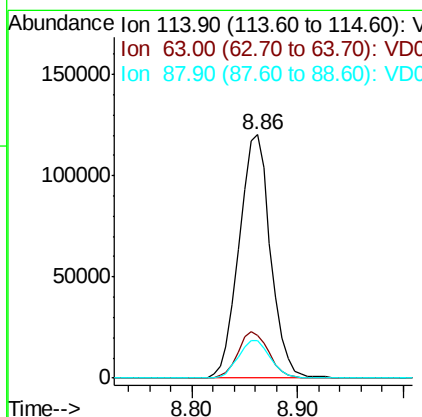
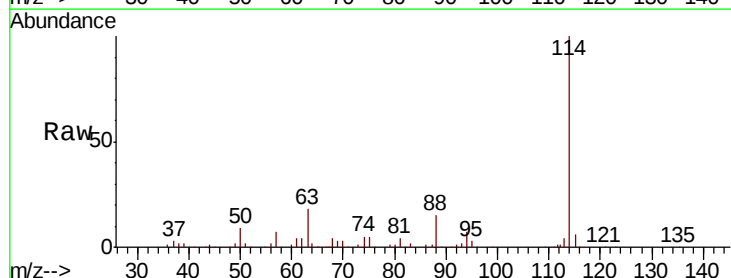
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

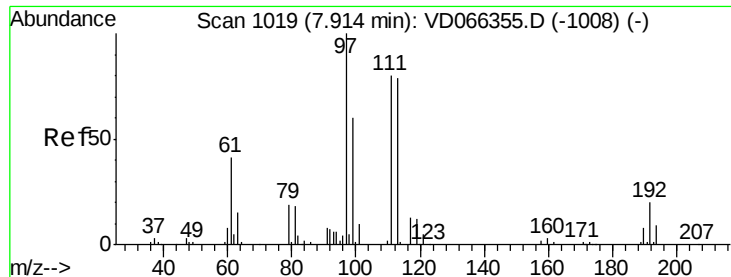
Tot Ion: 65 Resp: 99332
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

Tgt Ion: 114 Resp: 248090
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 40.8
 88 15.4 0.0 35.4

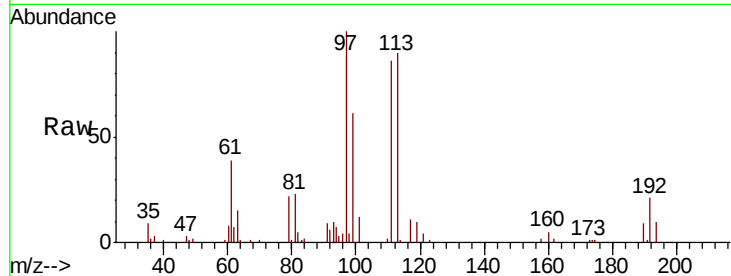




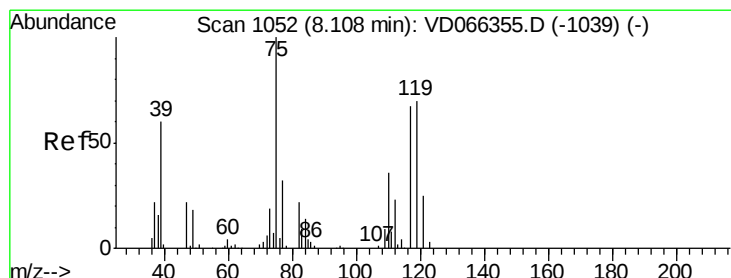
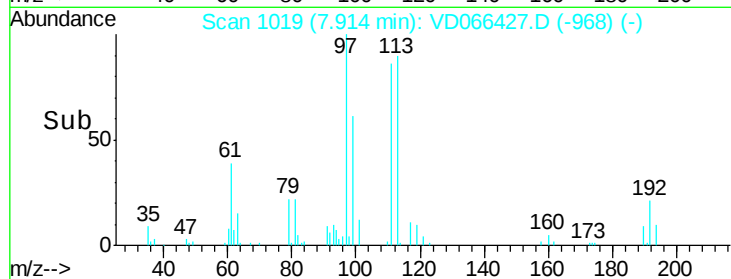
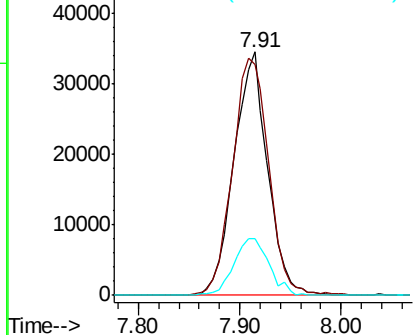
#35
Dibromofluoromethane
Concen: 51.155 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 79358
Ion Ratio Lower Upper
113 100
111 105.3 80.3 120.5
192 24.5 19.0 28.6

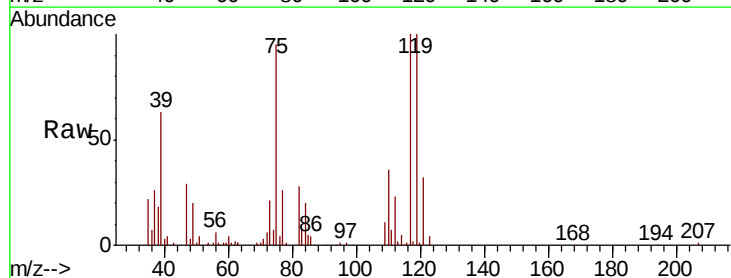


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

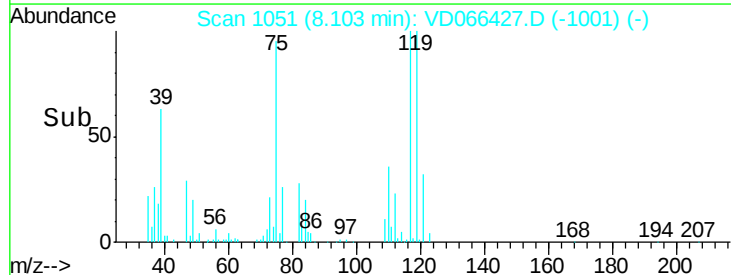
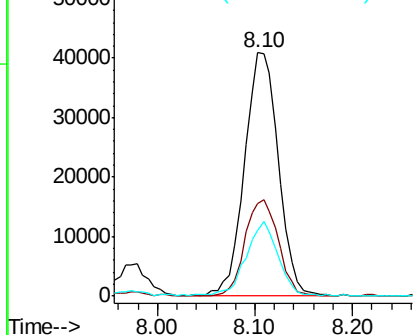


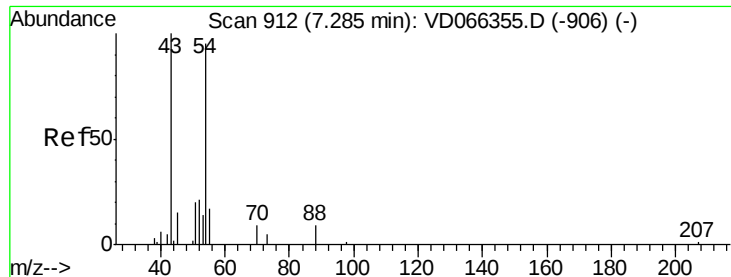
#36
1,1-Dichloropropene
Concen: 43.843 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion: 75 Resp: 99246
Ion Ratio Lower Upper
75 100
110 38.9 18.7 56.1
77 29.0 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC

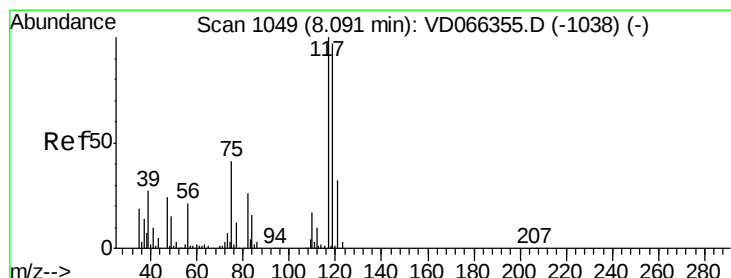
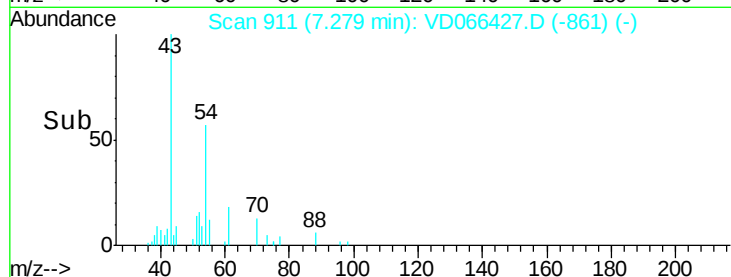
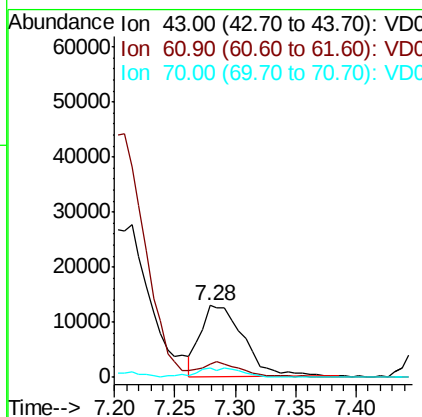
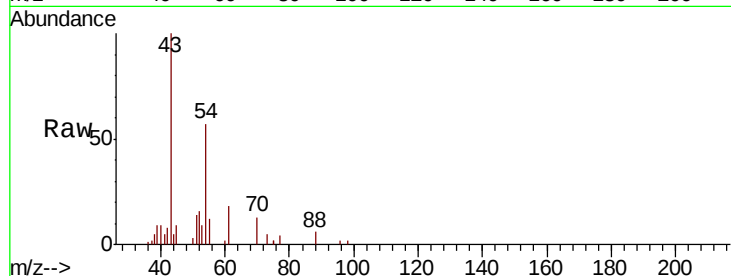




#37
Ethyl Acetate
Concen: 41.241 ug/l
RT: 7.28 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

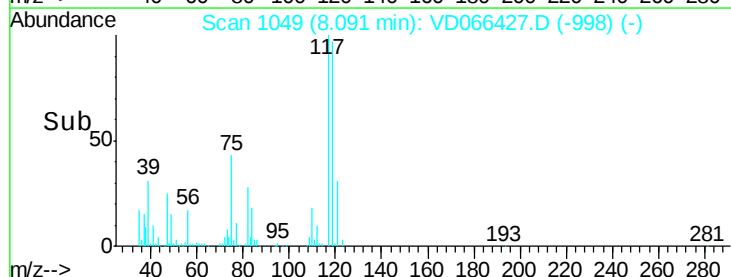
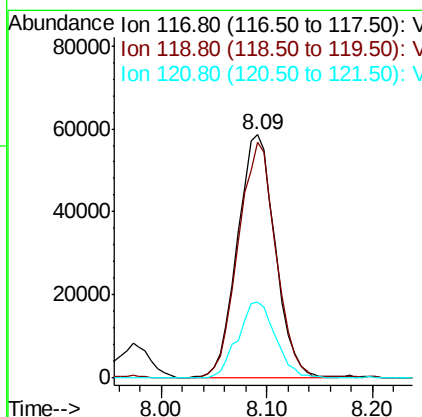
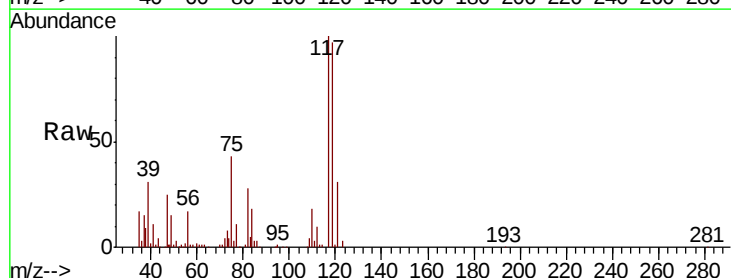
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

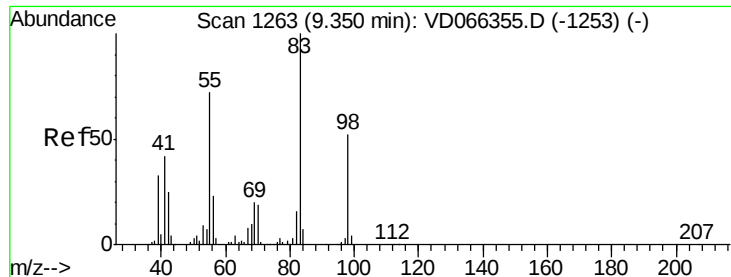
Tot Ion: 43 Resp: 31752
Ion Ratio Lower Upper
43 100
61 20.1 13.3 19.9#
70 14.5 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 49.448 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion: 117 Resp: 145833
Ion Ratio Lower Upper
117 100
119 97.1 77.2 115.8
121 31.3 25.8 38.8

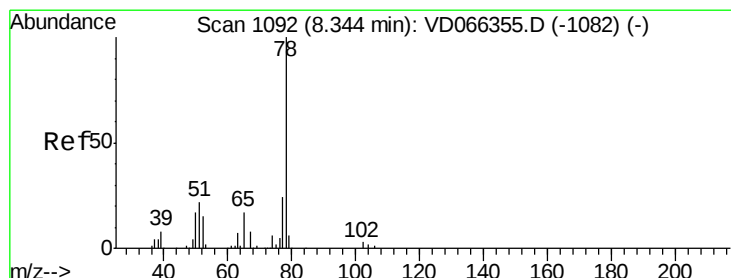
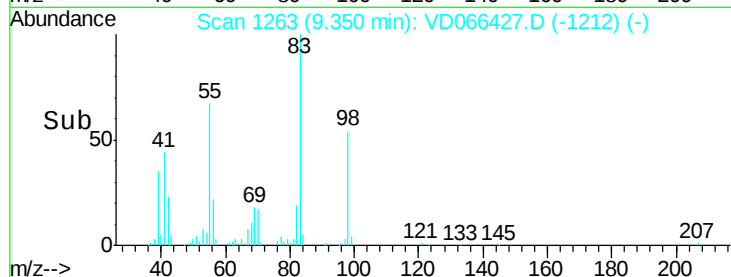
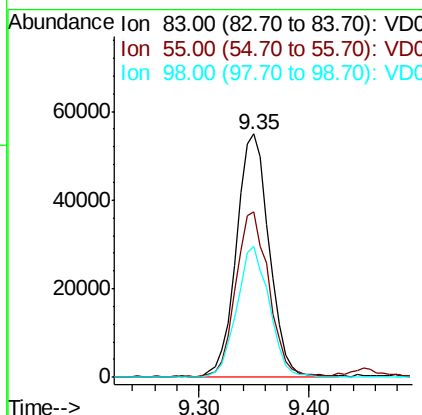
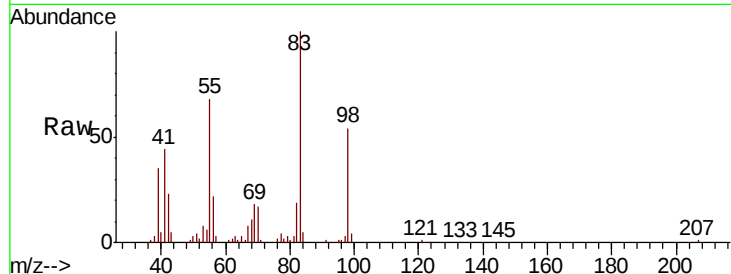




#39
Methvlcvclohexane
Concen: 43.236 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

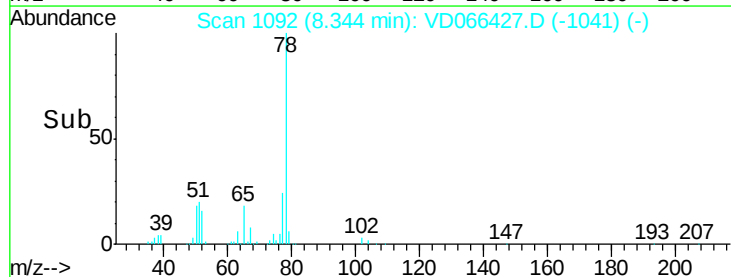
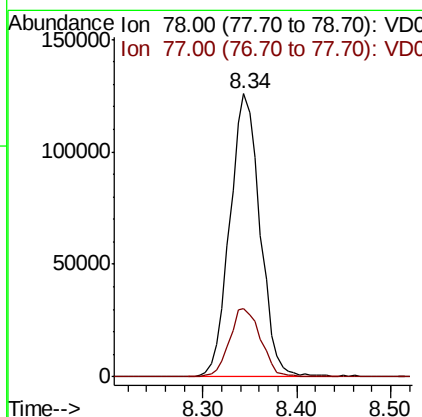
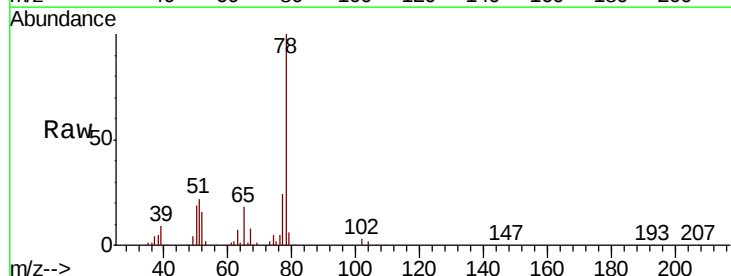
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

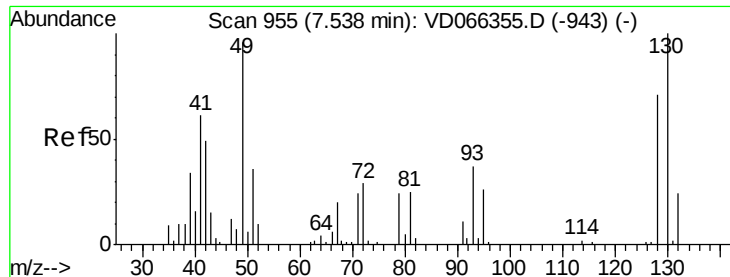
Tot Ion: 83 Resp: 115290
Ion Ratio Lower Upper
83 100
55 67.4 58.0 87.0
98 53.5 41.9 62.9



#40
Benzene
Concen: 47.099 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion: 78 Resp: 280475
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

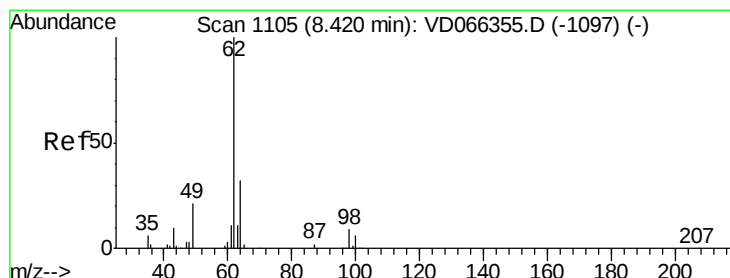
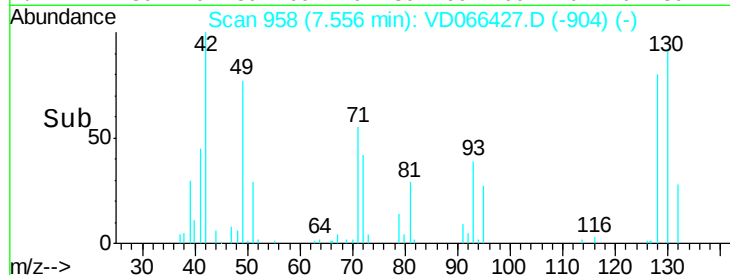
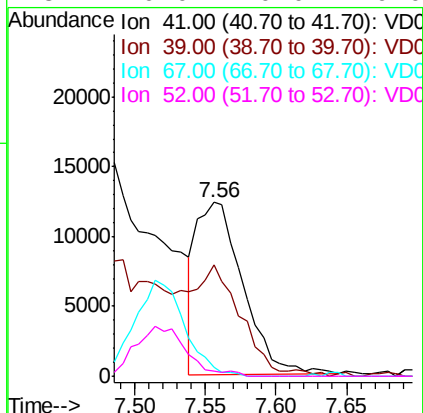
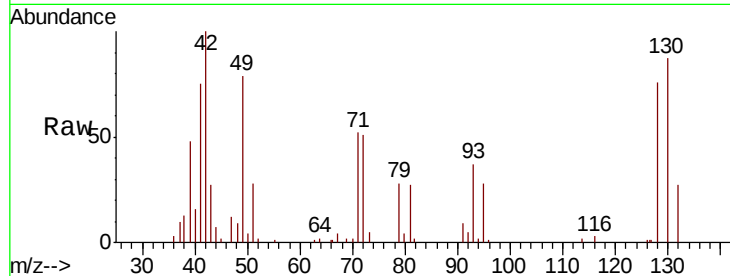




#41
Methacrylonitrile
Concen: 59.317 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.02 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

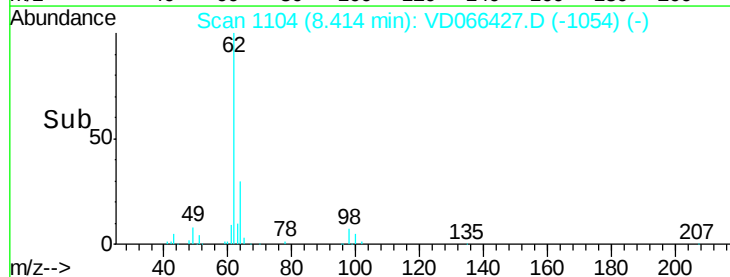
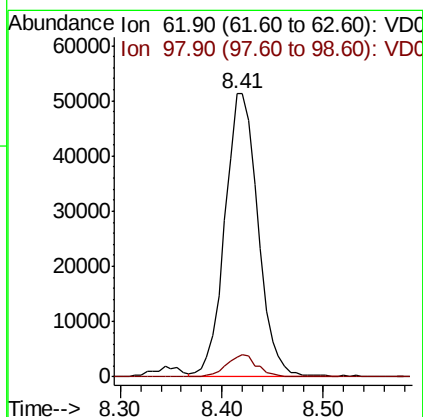
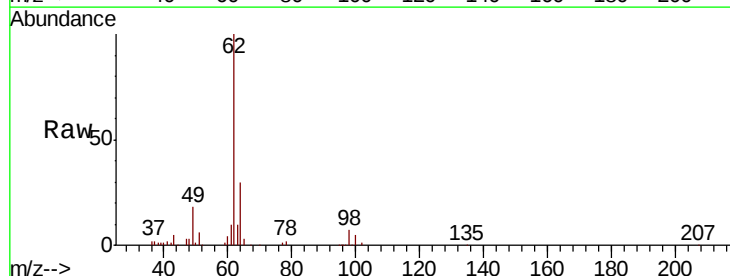
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 28163
Ion Ratio Lower Upper
41 100
39 0.0 51.8 77.8#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 55.111 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion: 62 Resp: 115588
Ion Ratio Lower Upper
62 100
98 7.3 0.0 16.2





#43

Isopropyl Acetate

Concen: 47.774 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

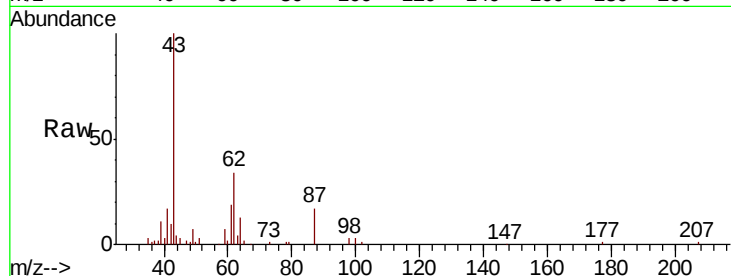
Tot Ion: 43 Resp: 73826

Ion Ratio Lower Upper

43 100

61 33.1 26.5 39.7

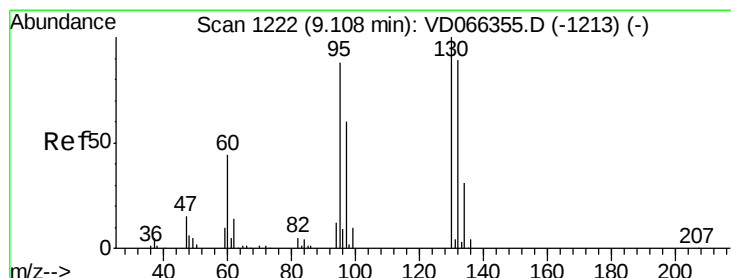
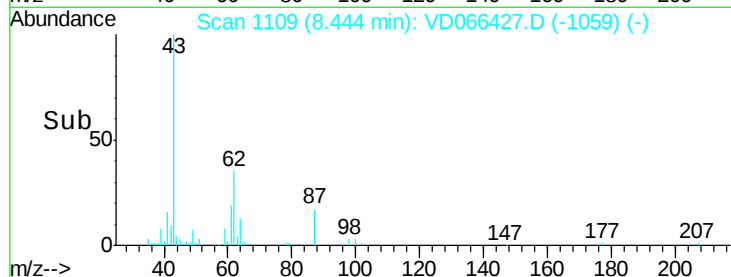
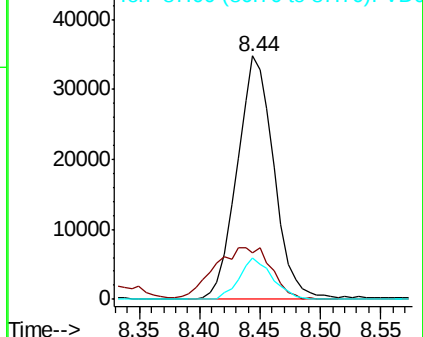
87 15.1 11.9 17.9



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: 48.310 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066427.D

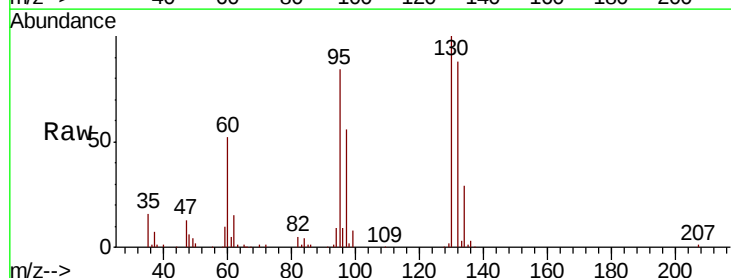
Acq: 26 Aug 2020 18:17

Tgt Ion: 130 Resp: 93480

Ion Ratio Lower Upper

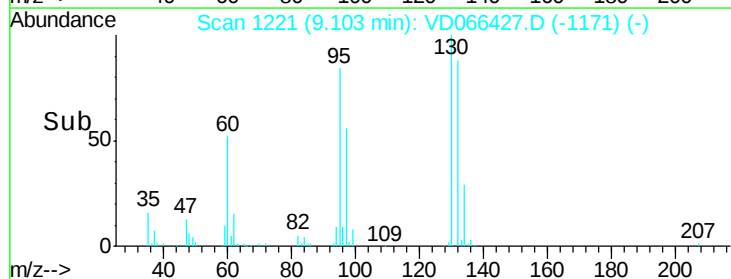
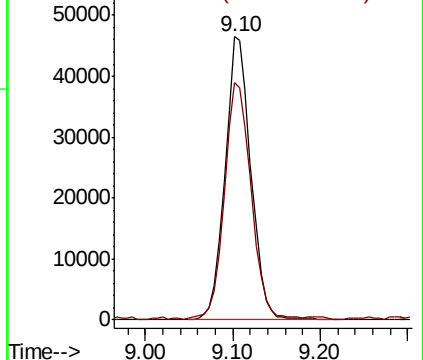
130 100

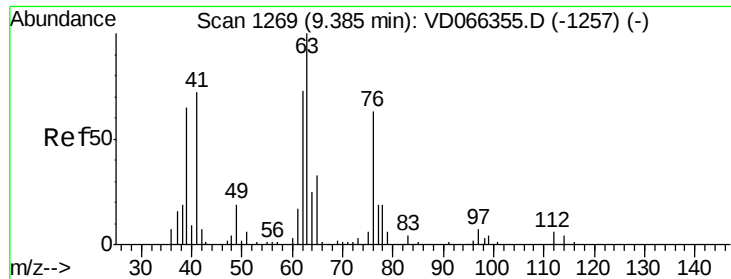
95 84.0 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 44.741 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

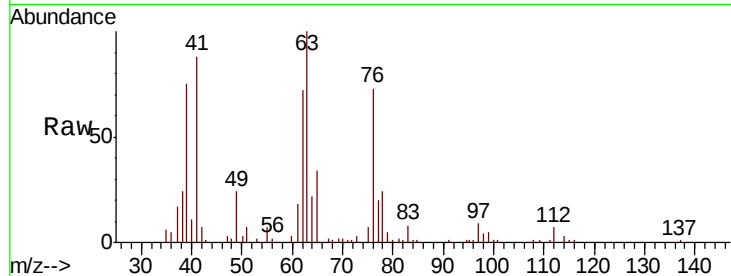
VSTDCCC050EC

Tot Ion: 63 Resp: 60401

Ion Ratio Lower Upper

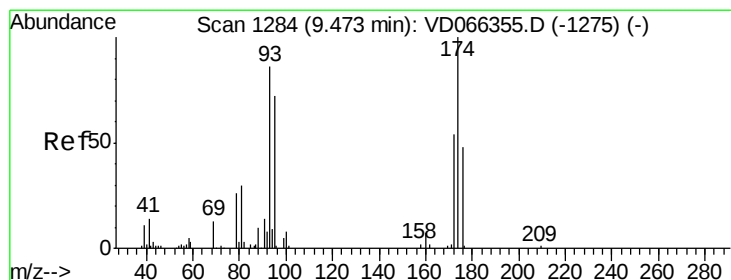
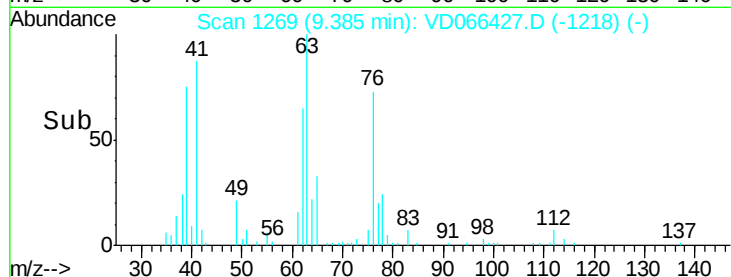
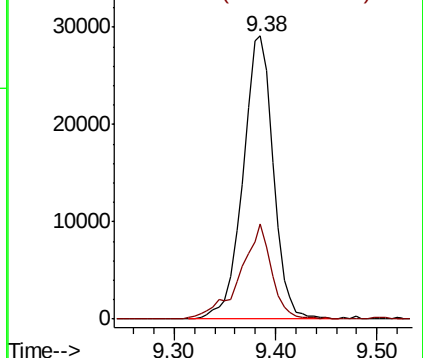
63 100

65 33.5 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.238 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

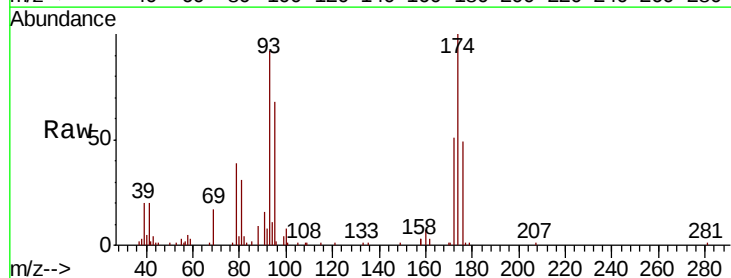
Tgt Ion: 93 Resp: 43909

Ion Ratio Lower Upper

93 100

95 77.5 66.0 99.0

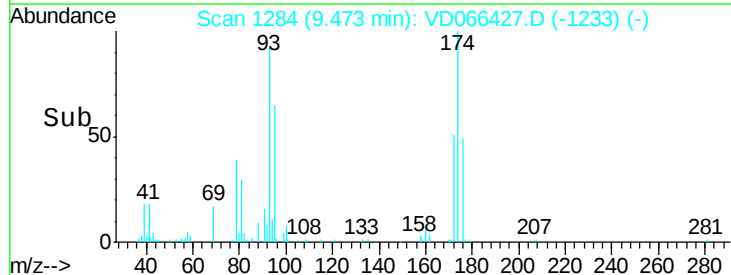
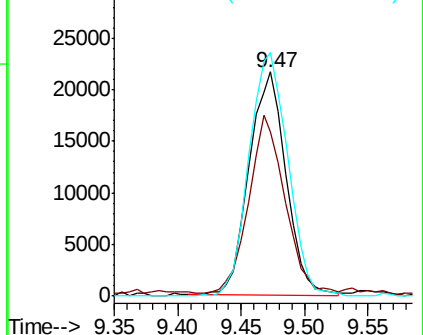
174 114.4 94.6 141.8

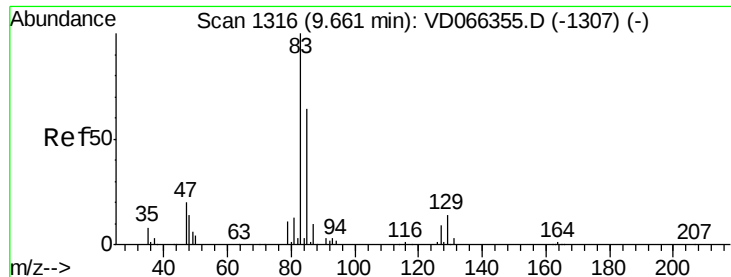


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.221 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

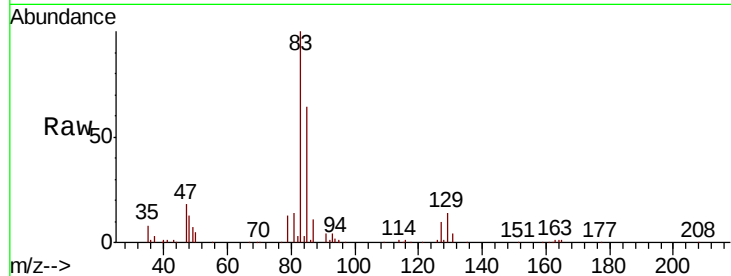
Tot Ion: 83 Resp: 120713

Ion Ratio Lower Upper

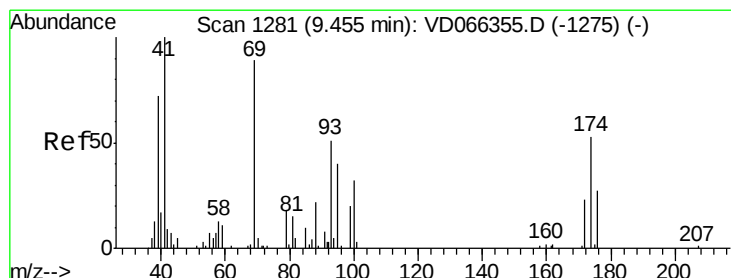
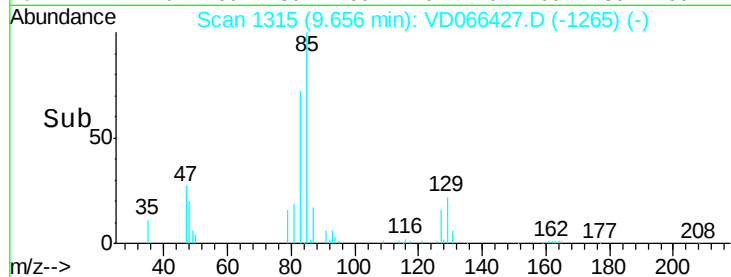
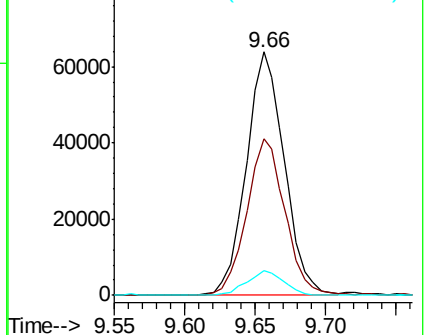
83 100

85 64.3 51.4 77.0

127 9.9 7.4 11.0



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



#48

Methyl methacrylate

Concen: 46.239 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

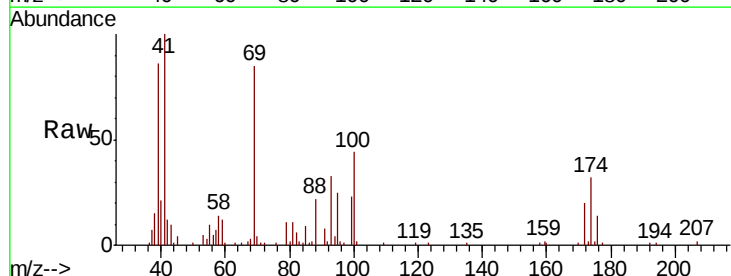
Tgt Ion: 41 Resp: 36846

Ion Ratio Lower Upper

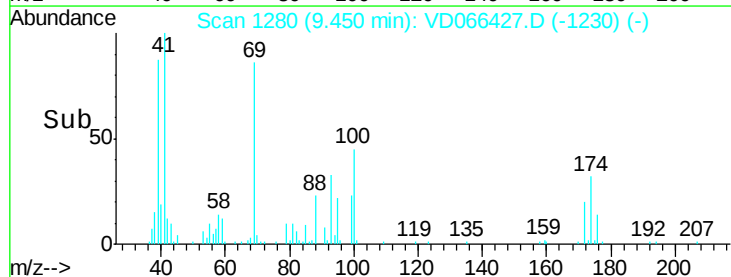
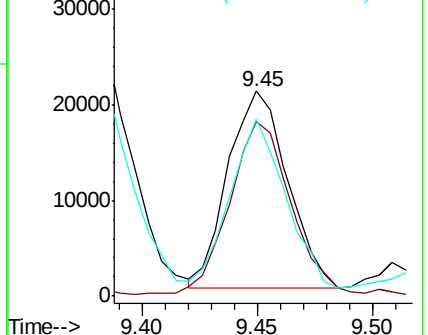
41 100

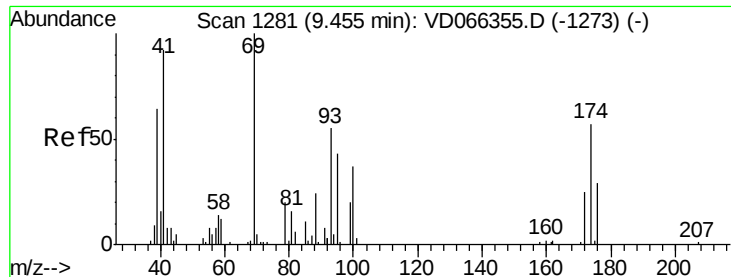
69 91.2 75.5 113.3

39 86.7 57.0 85.4#



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

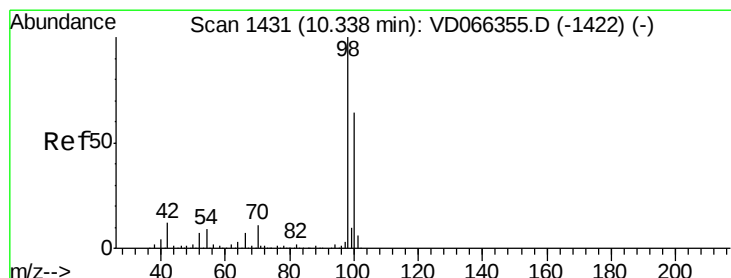
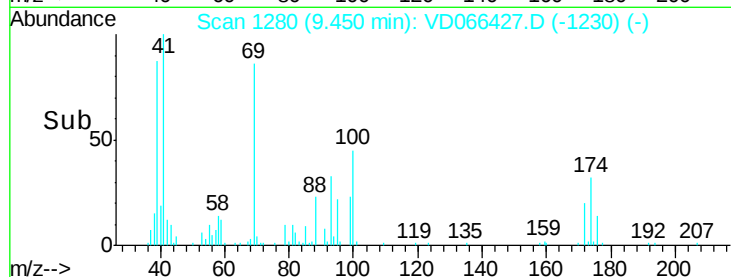
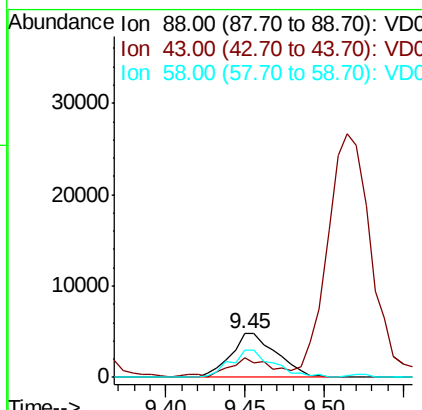
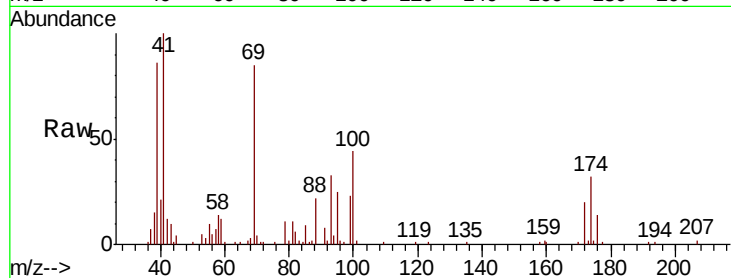




#49
1,4-Dioxane
Concen: 986.970 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

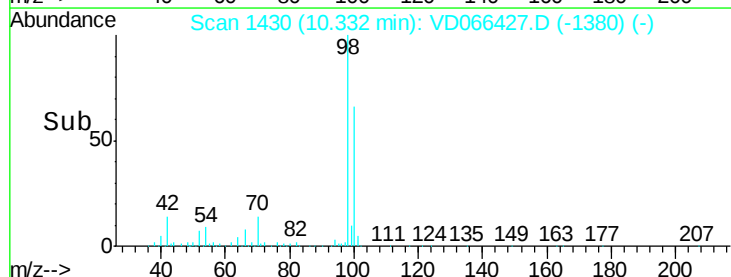
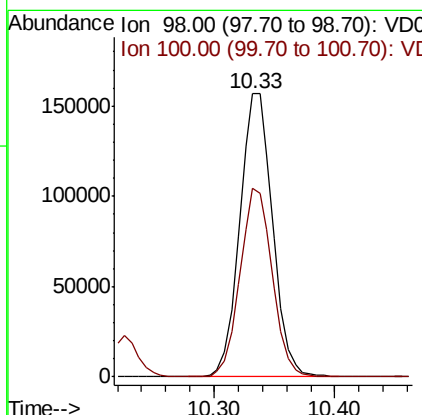
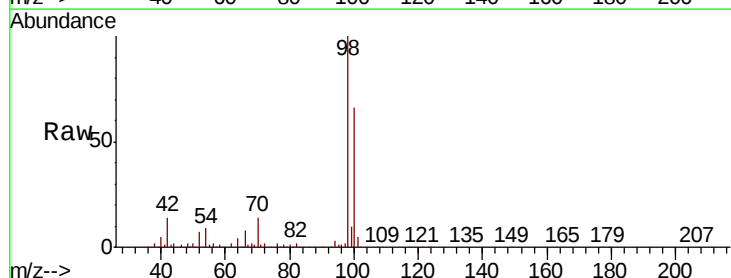
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

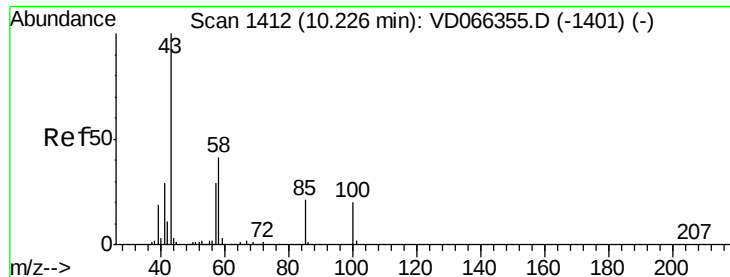
Tot Ion: 88 Resp: 9633
Ion Ratio Lower Upper
88 100
43 40.6 29.4 44.0
58 59.4 45.4 68.2



#50
Toluene-d8
Concen: 52.353 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion: 98 Resp: 297162
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 241.943 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

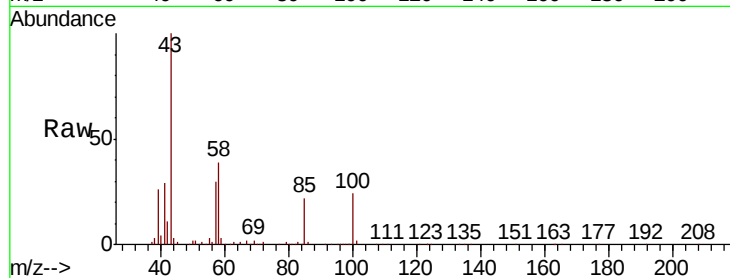
VSTDCCC050EC

Tot Ion: 43 Resp: 180867

Ion Ratio Lower Upper

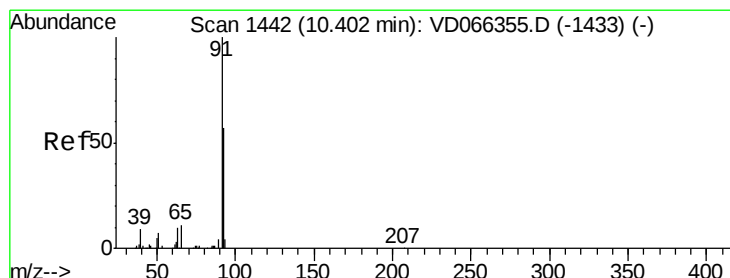
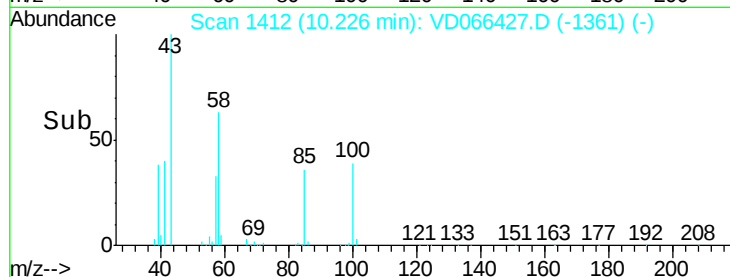
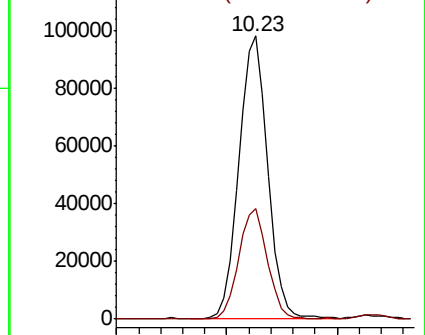
43 100

58 38.7 31.4 47.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.768 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066427.D

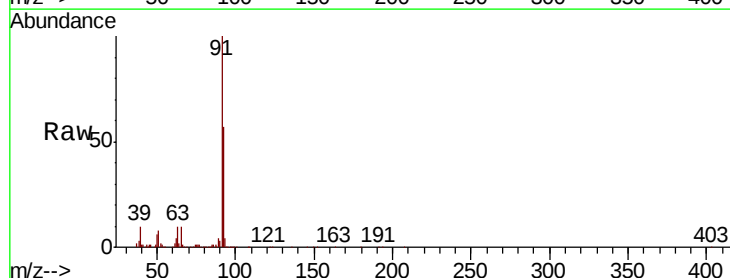
Acq: 26 Aug 2020 18:17

Tgt Ion: 92 Resp: 196755

Ion Ratio Lower Upper

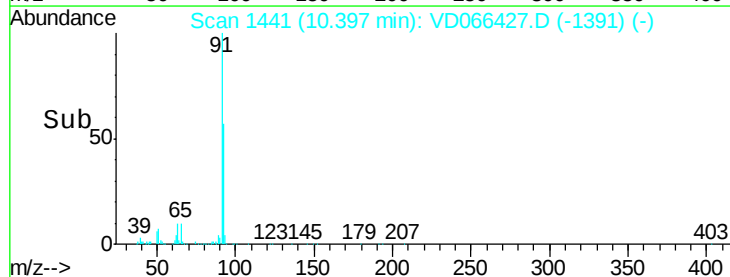
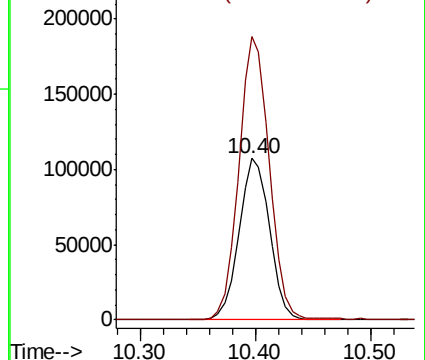
92 100

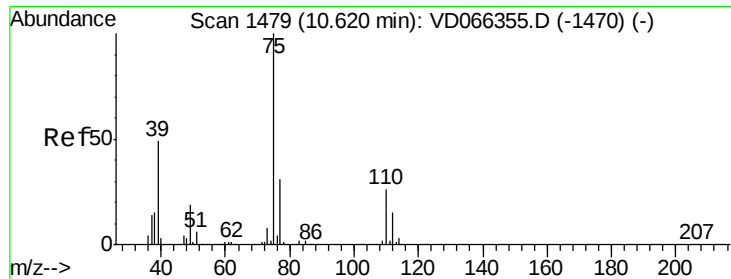
91 174.8 135.8 203.6



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: 50.202 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

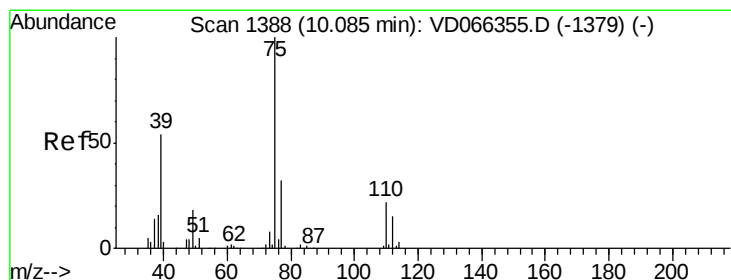
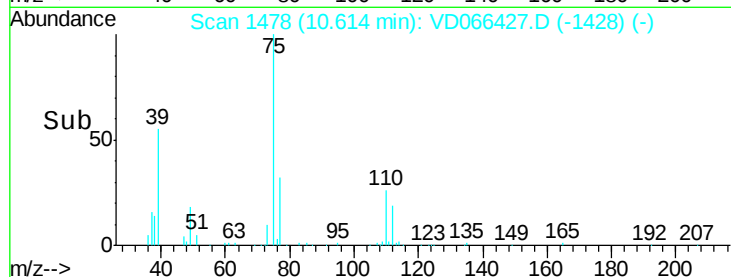
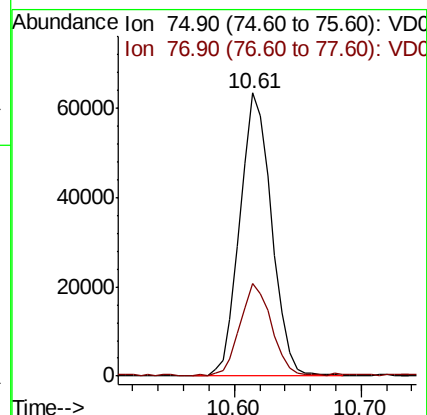
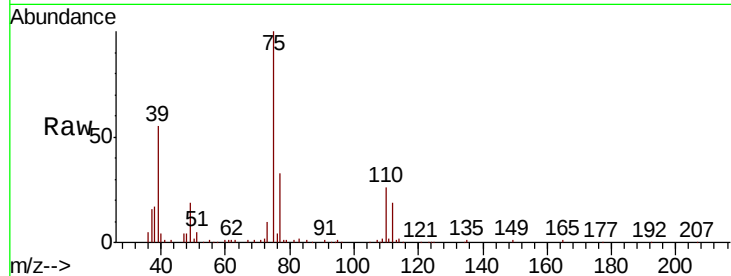
VSTDCCC050EC

Tot Ion: 75 Resp: 110113

Ion Ratio Lower Upper

75 100

77 32.6 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 47.657 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

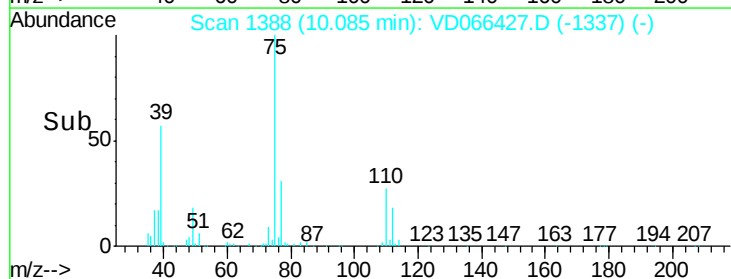
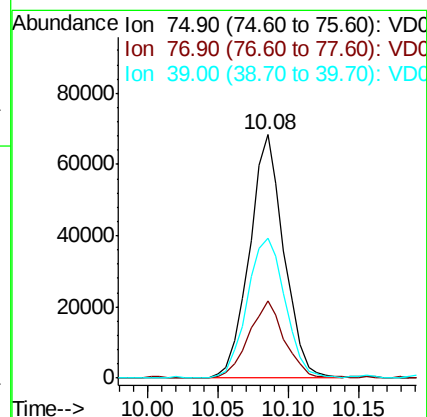
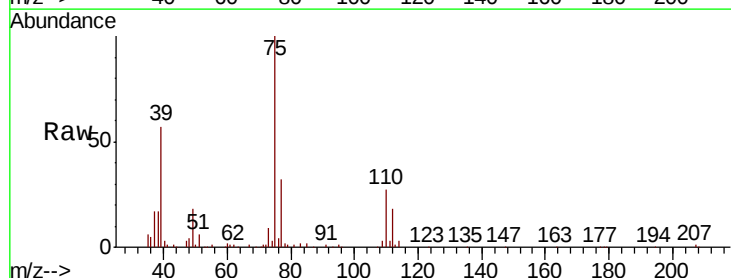
Tgt Ion: 75 Resp: 117332

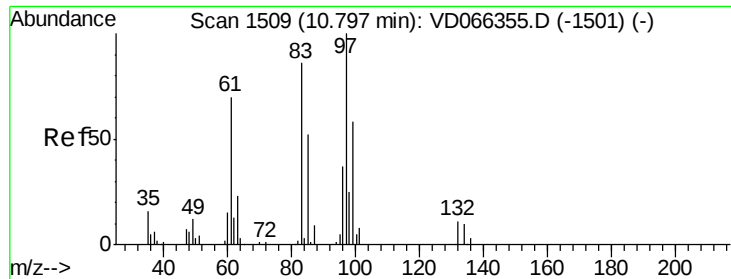
Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 57.0 43.4 65.0

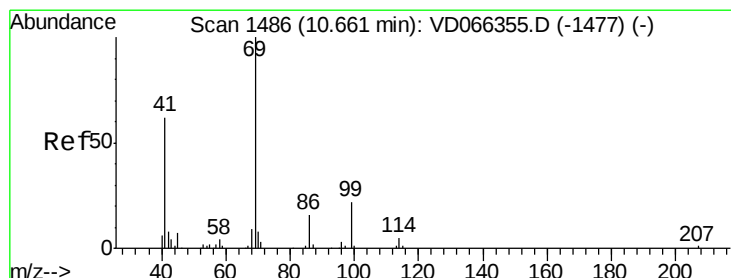
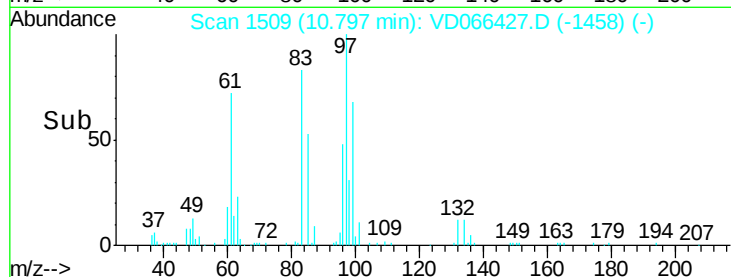
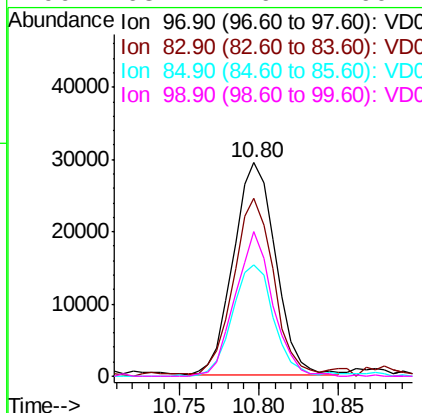
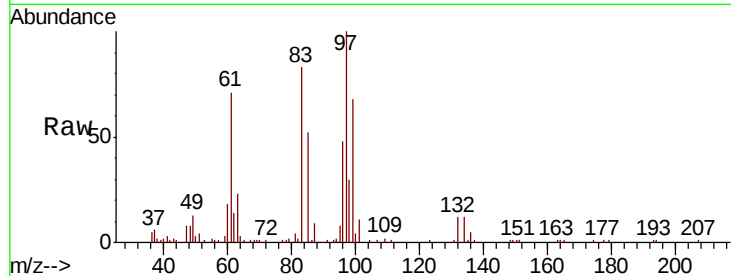




#55
 1,1,2-Trichloroethane
 Concen: 47.885 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

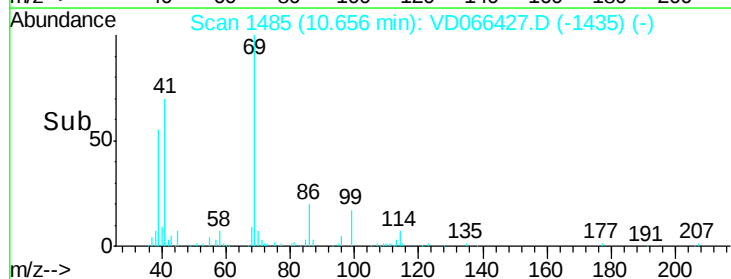
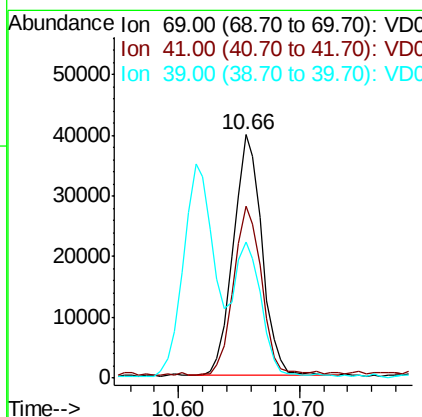
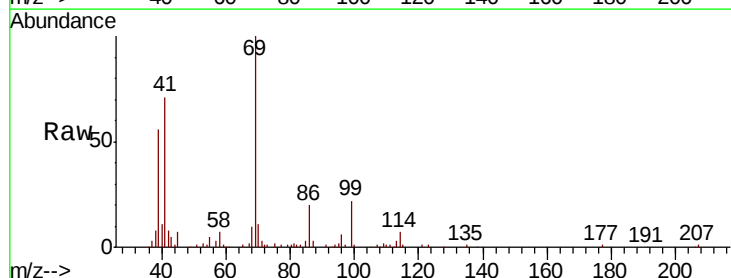
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

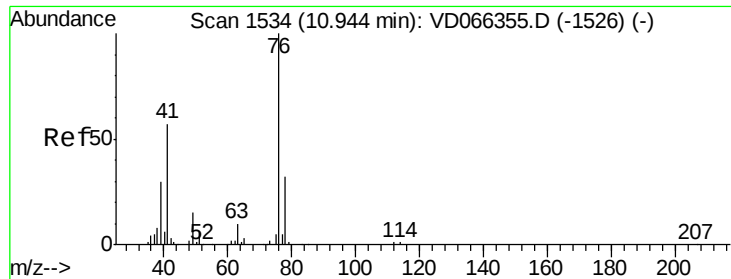
Tot Ion:	97	Resp:	54489
Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.4	102.6
85	52.7	41.3	61.9
99	68.1	46.1	69.1



#56
 Ethyl methacrylate
 Concen: 49.919 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

Tgt Ion:	69	Resp:	65757
Ion	Ratio	Lower	Upper
69	100		
41	70.1	50.8	76.2
39	51.9	32.9	49.3#

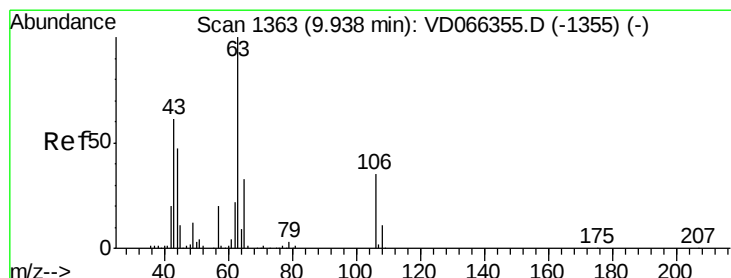
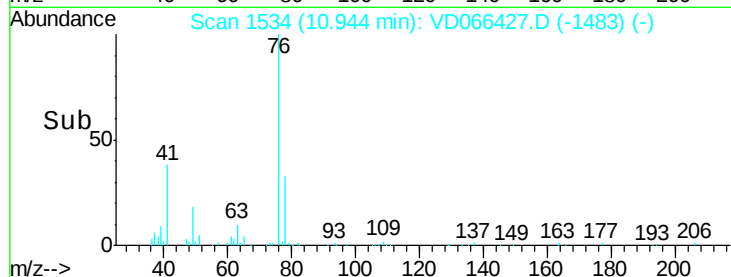
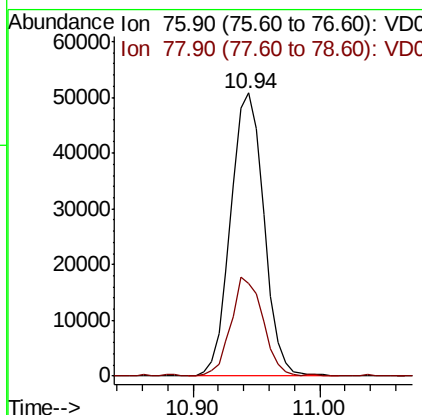
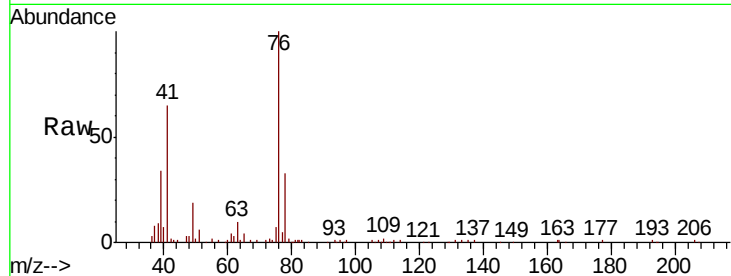




#57
 1,3-Dichloropropane
 Concen: 49.001 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

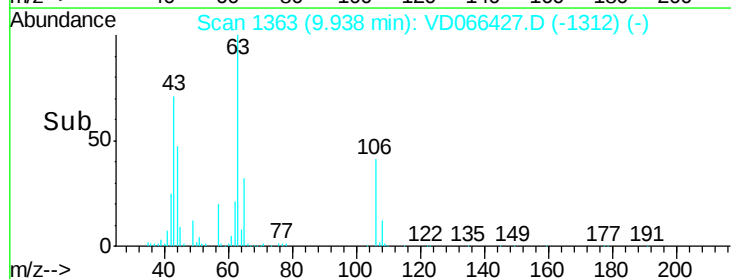
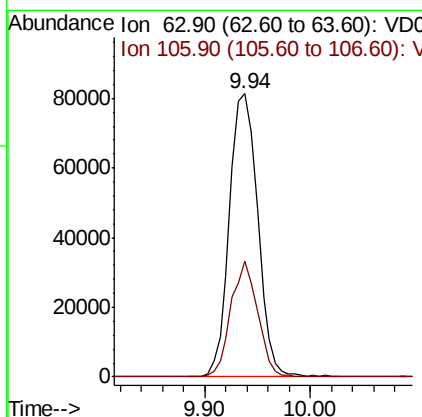
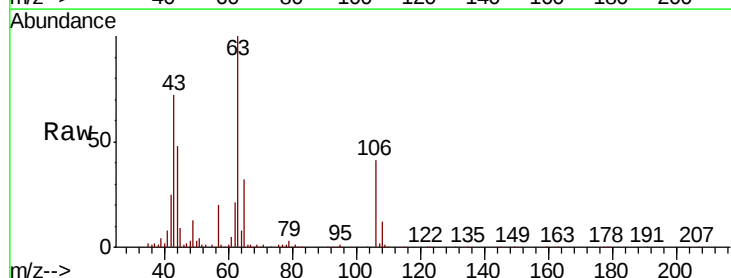
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

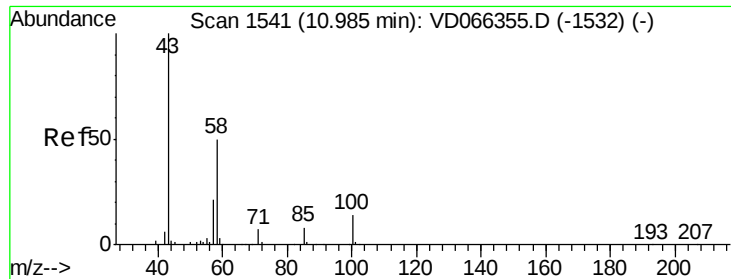
Tot Ion: 76 Resp: 92231
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.133 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

Tgt Ion: 63 Resp: 151073
 Ion Ratio Lower Upper
 63 100
 106 38.7 27.1 40.7

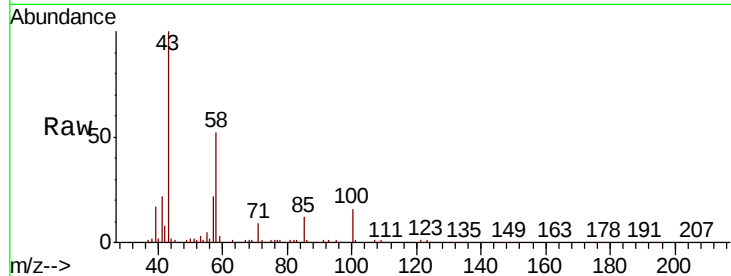




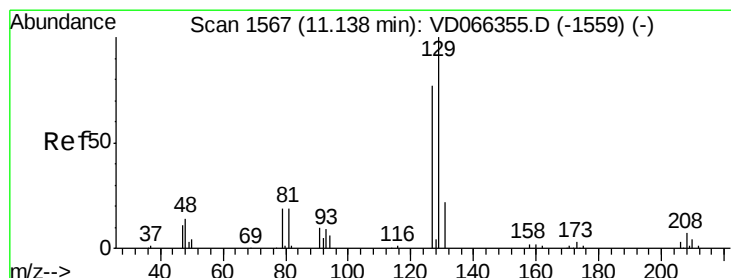
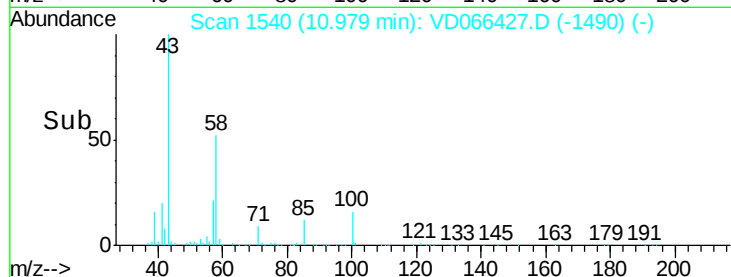
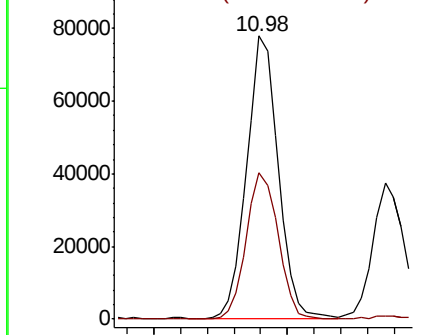
#59
2-Hexanone
Concen: 242.801 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 128030
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.8

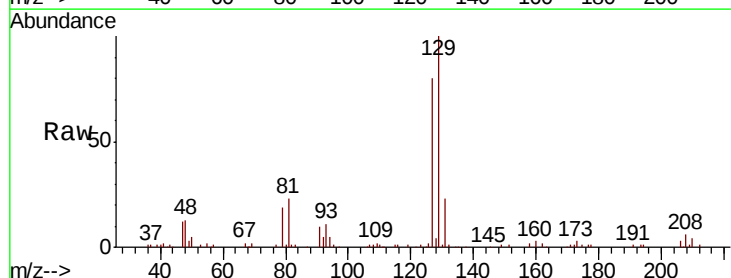


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

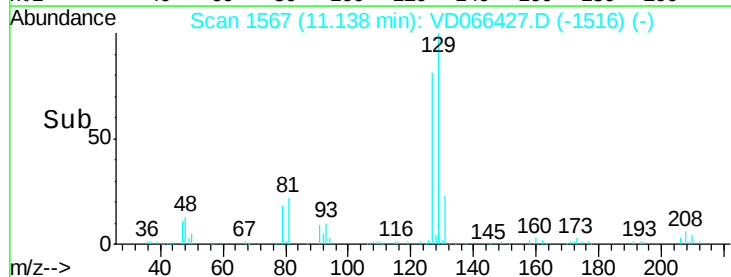
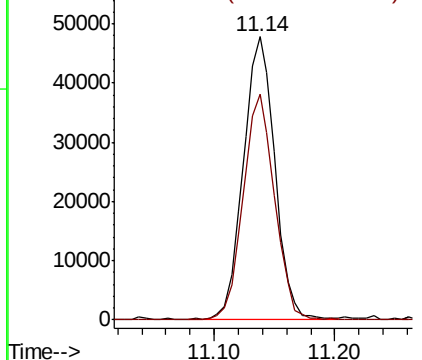


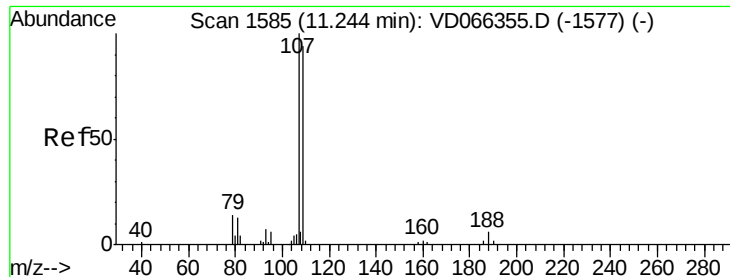
#60
Dibromochloromethane
Concen: 51.106 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion:129 Resp: 87659
Ion Ratio Lower Upper
129 100
127 79.2 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

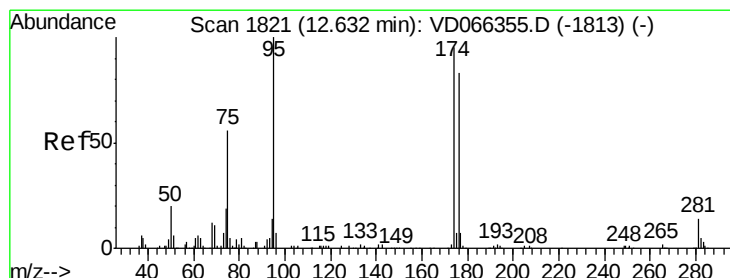
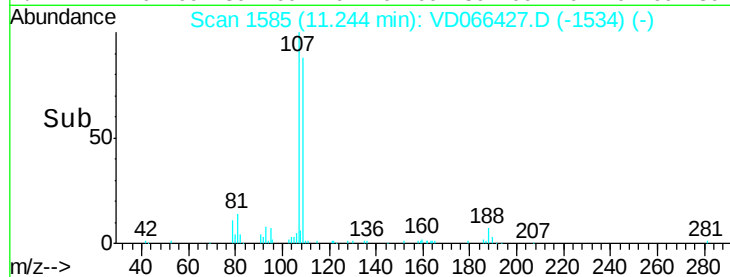
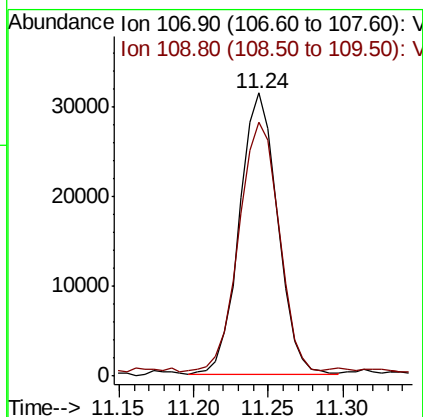
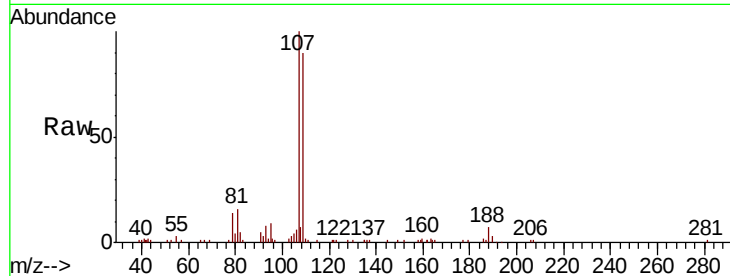




#61
 1,2-Dibromoethane
 Concen: 49.494 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

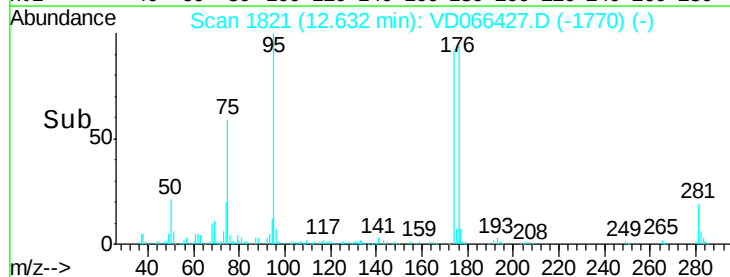
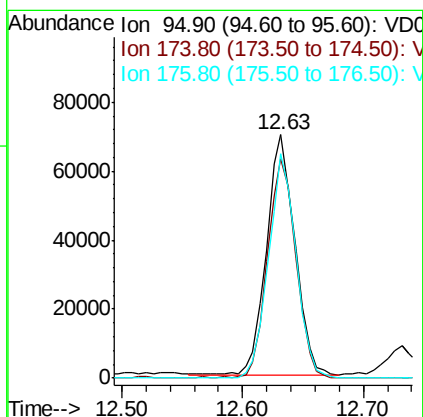
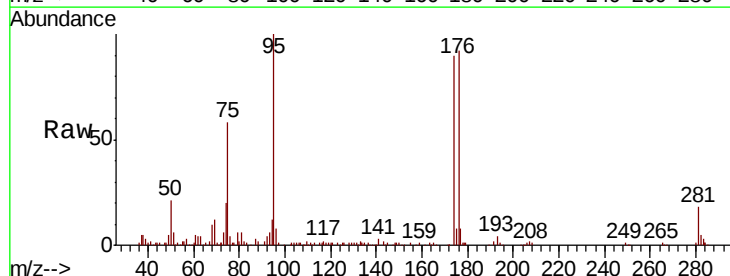
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

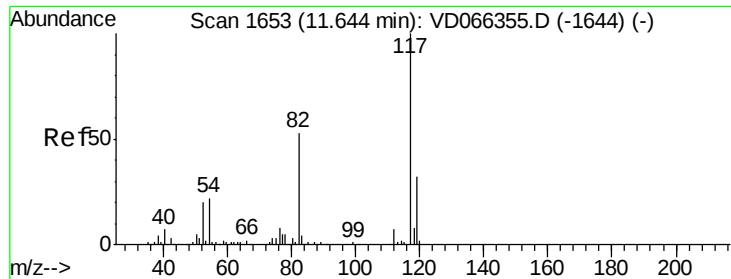
Tot Ion:107 Resp: 55425
 Ion Ratio Lower Upper
 107 100
 109 93.7 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 56.148 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

Tgt Ion: 95 Resp: 113090
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 183.4
 176 89.9 0.0 173.8

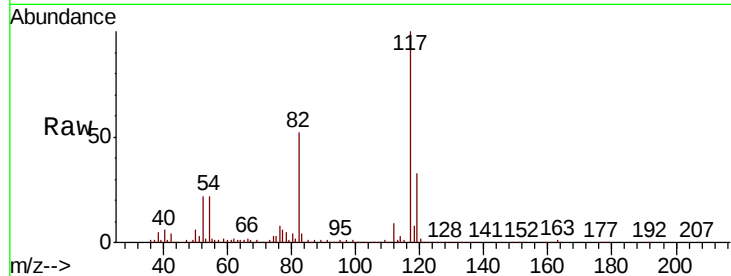




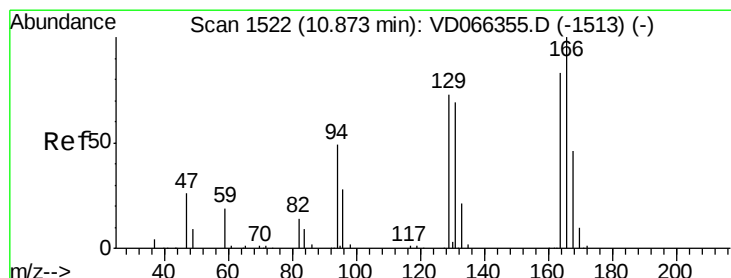
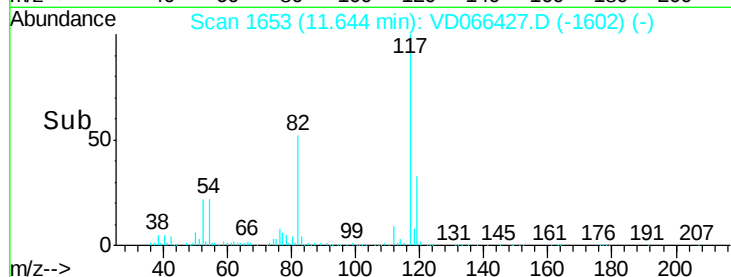
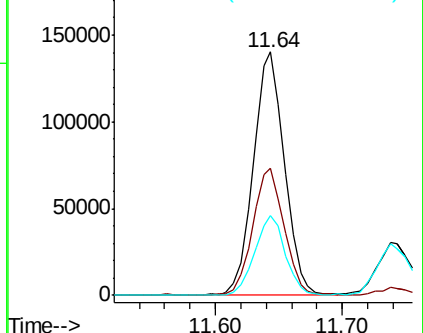
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 238478
Ion Ratio Lower Upper
117 100
82 52.1 42.8 64.2
119 32.6 25.8 38.8

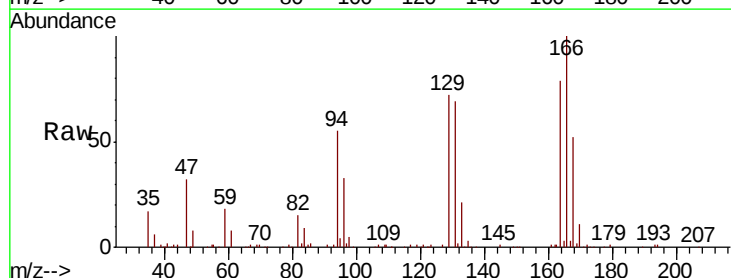


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

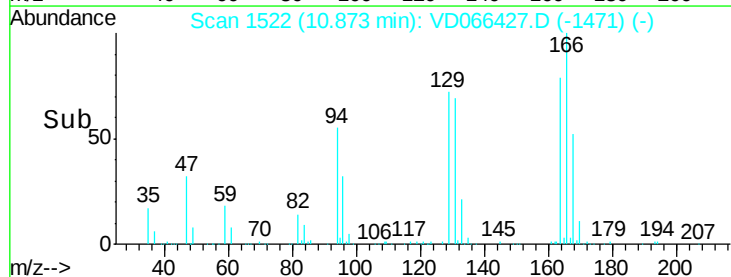
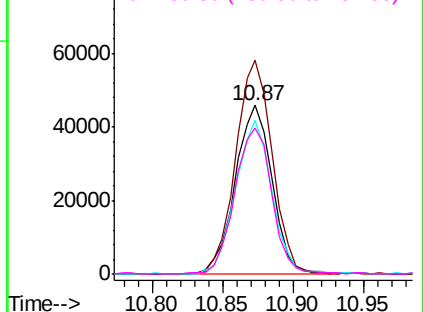


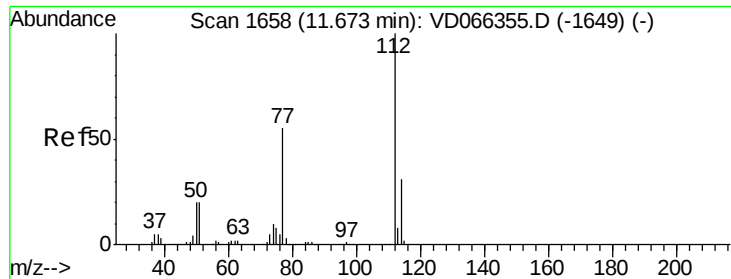
#64
Tetrachloroethene
Concen: 46.361 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion:164 Resp: 83870
Ion Ratio Lower Upper
164 100
166 126.8 96.2 144.4
129 91.6 70.3 105.5
131 86.5 66.4 99.6



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

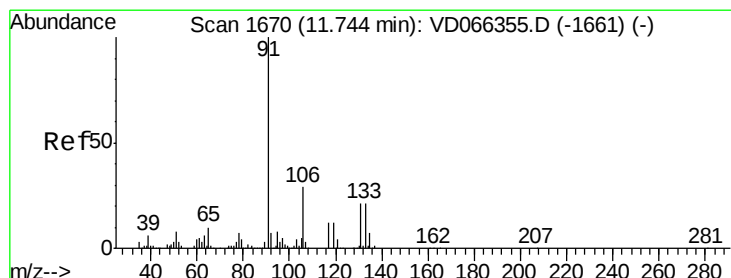
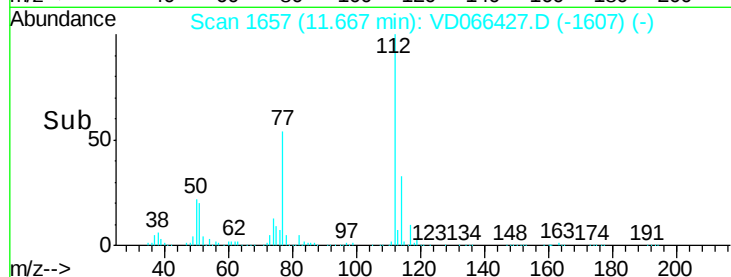
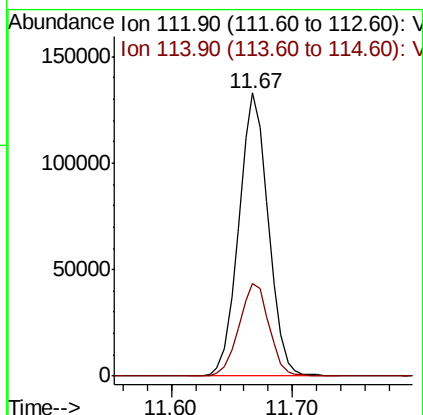
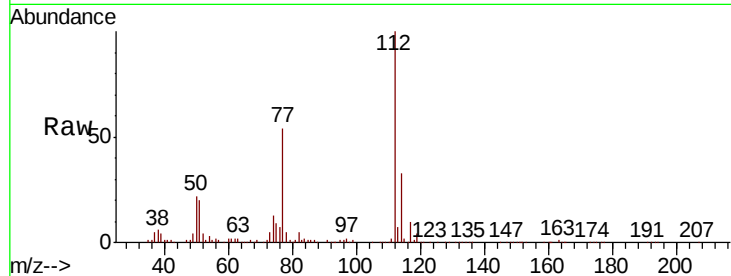




#65
Chlorobenzene
Concen: 47.697 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

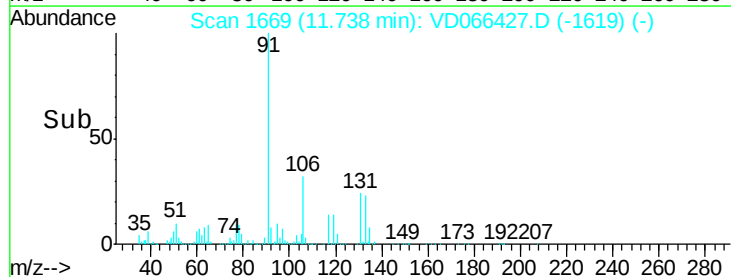
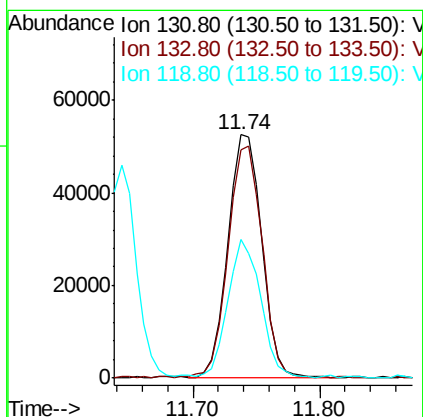
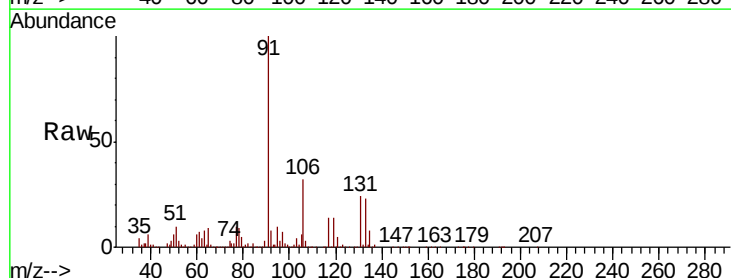
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

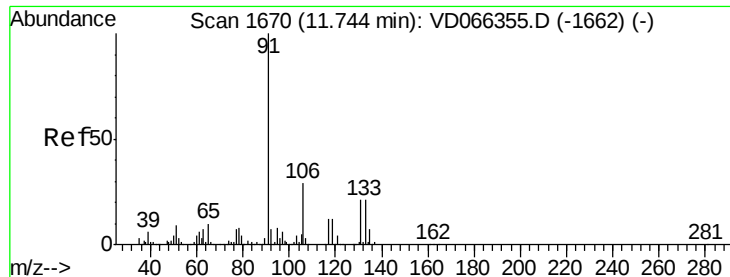
Tot Ion:112 Resp: 226300
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.186 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion:131 Resp: 97307
Ion Ratio Lower Upper
131 100
133 96.0 48.6 145.9
119 54.5 29.0 87.1





#67

Ethyl Benzene

Concen: 47.630 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

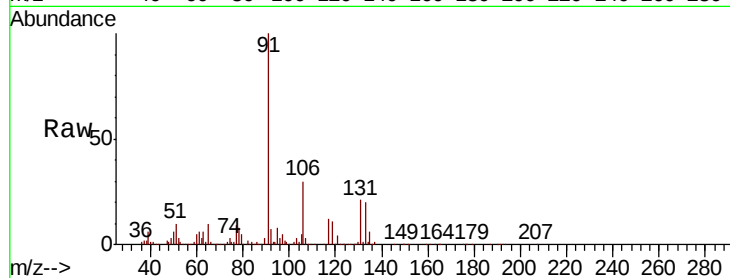
VSTDCCC050EC

Tot Ion: 91 Resp: 397784

Ion Ratio Lower Upper

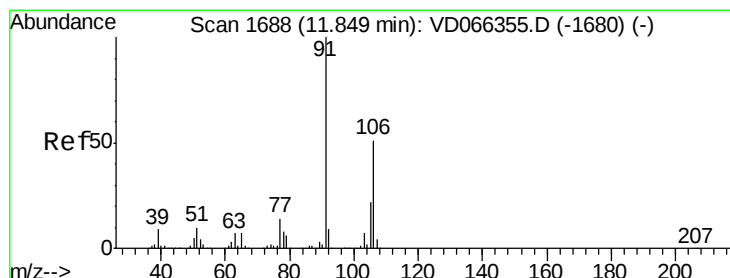
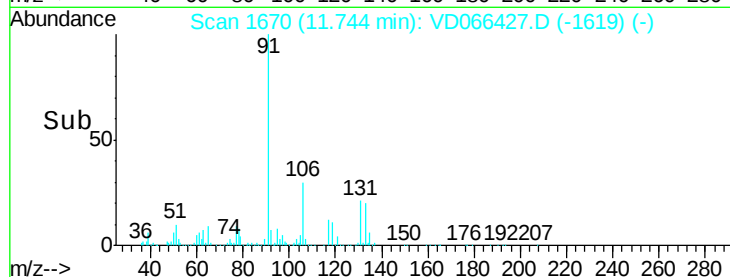
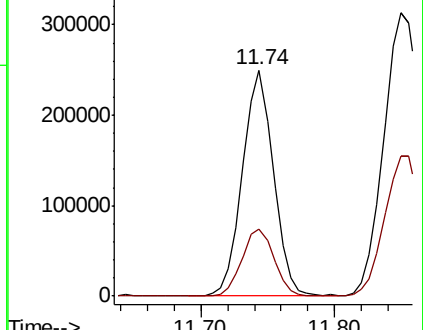
91 100

106 29.5 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 94.432 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066427.D

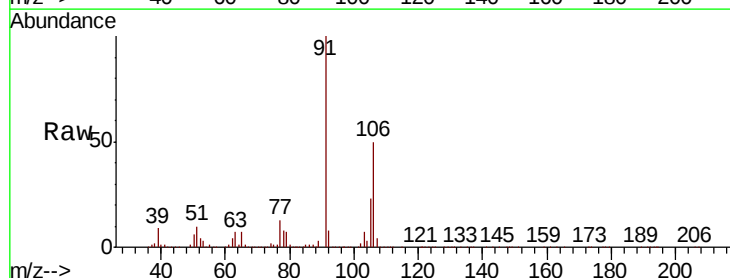
Acq: 26 Aug 2020 18:17

Tgt Ion: 106 Resp: 300599

Ion Ratio Lower Upper

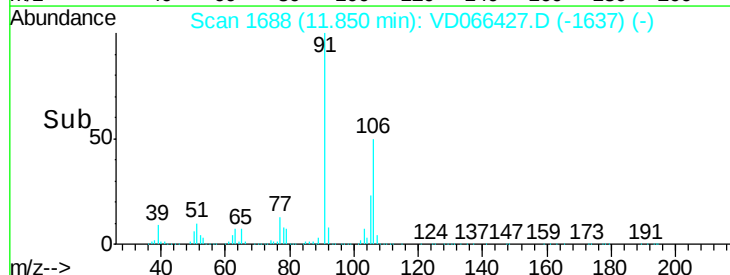
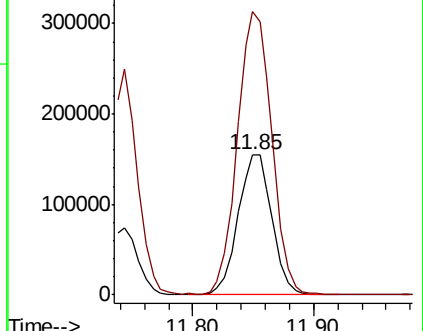
106 100

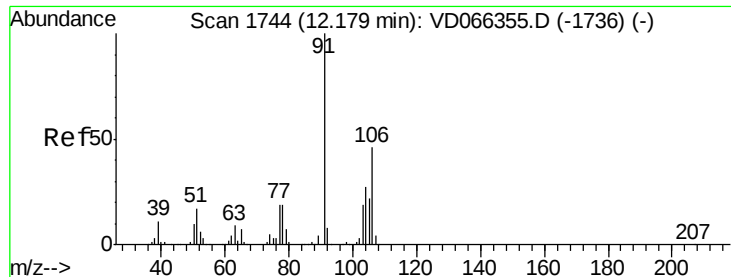
91 205.6 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

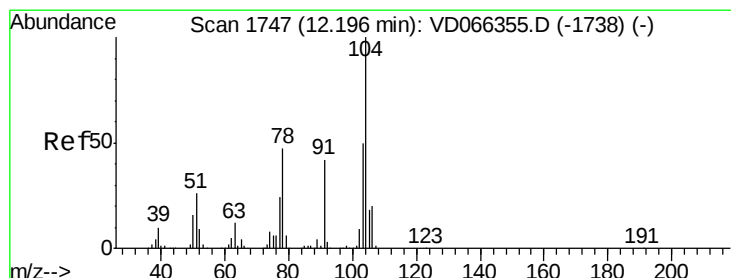
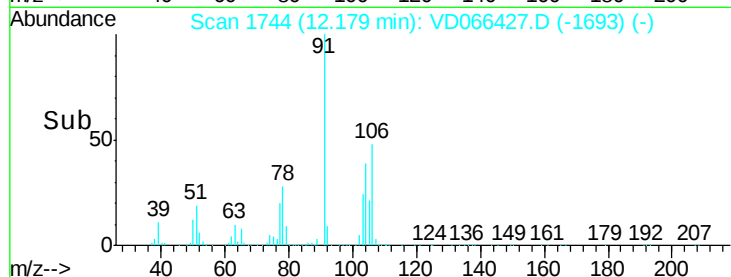
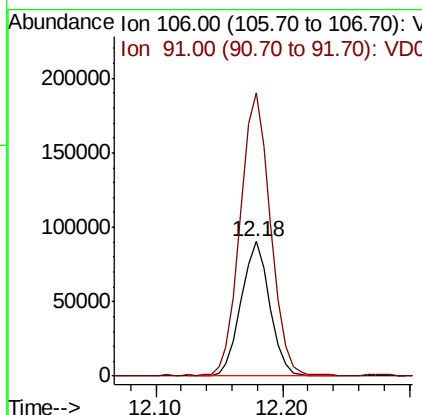
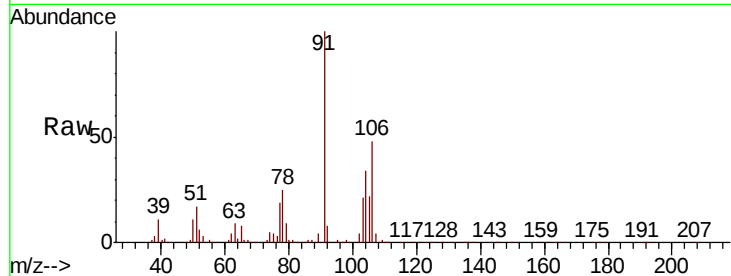




#69
o-Xylene
Concen: 47.997 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

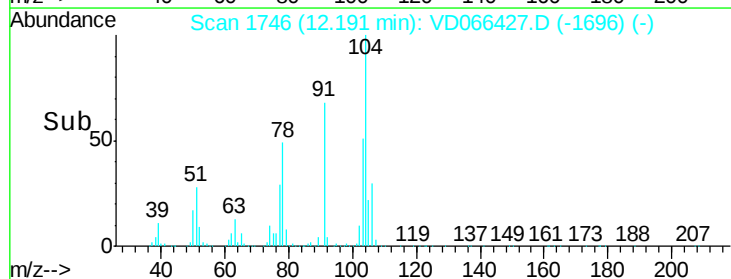
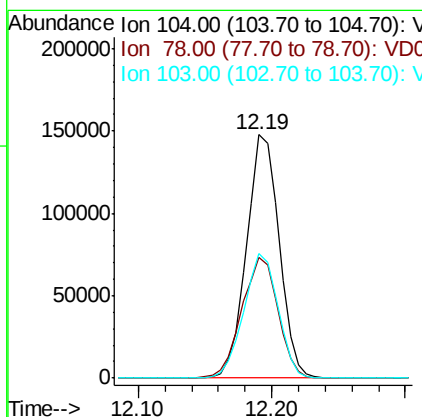
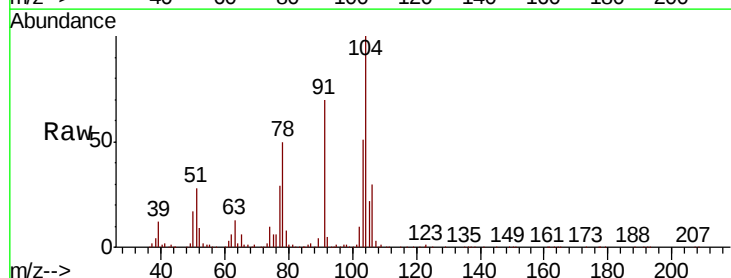
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

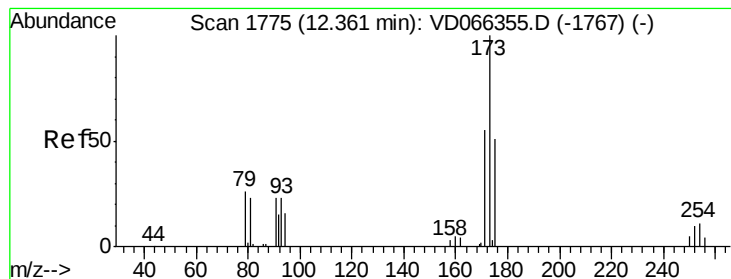
Tot Ion:106 Resp: 142136
Ion Ratio Lower Upper
106 100
91 220.8 109.1 327.3



#70
Styrene
Concen: 49.068 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066427.D
Acq: 26 Aug 2020 18:17

Tgt Ion:104 Resp: 249498
Ion Ratio Lower Upper
104 100
78 55.0 41.7 62.5
103 53.9 43.5 65.3





#71

Bromoform

Concen: 49.873 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

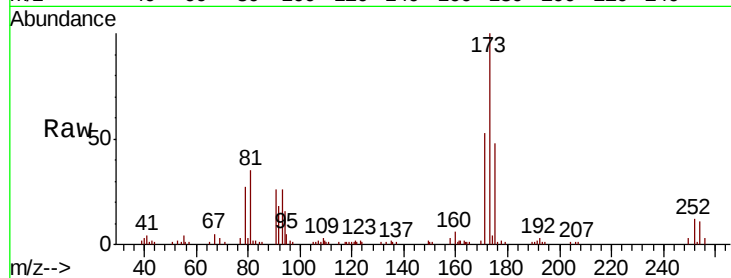
Tot Ion:173 Resp: 54863

Ion Ratio Lower Upper

173 100

175 48.3 24.8 74.3

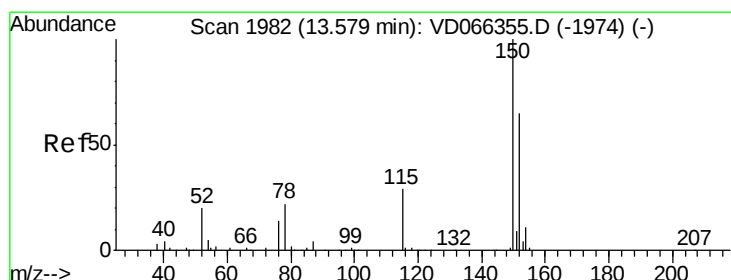
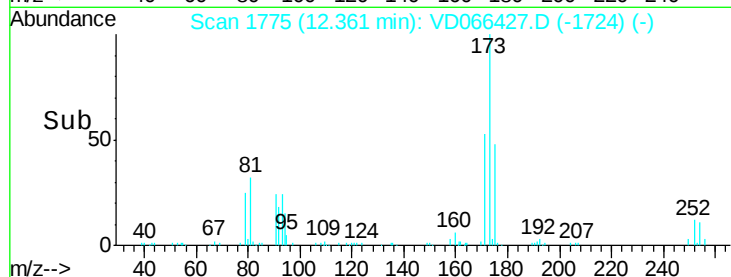
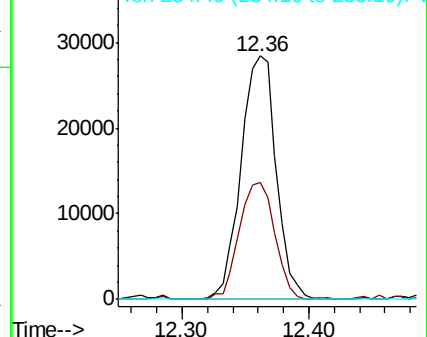
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

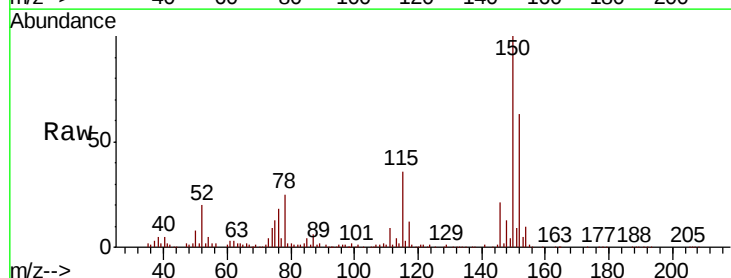
Tgt Ion:152 Resp: 126601

Ion Ratio Lower Upper

152 100

115 58.3 28.3 85.0

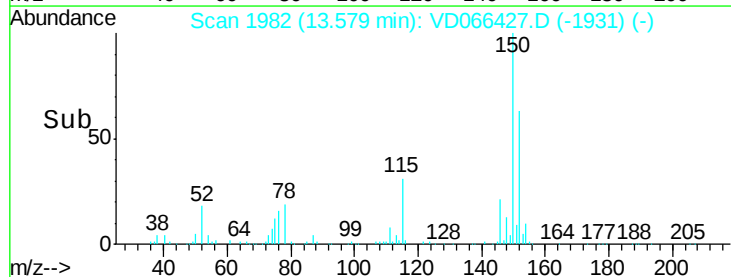
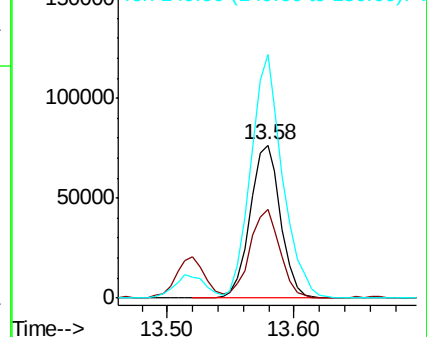
150 166.3 0.0 343.2

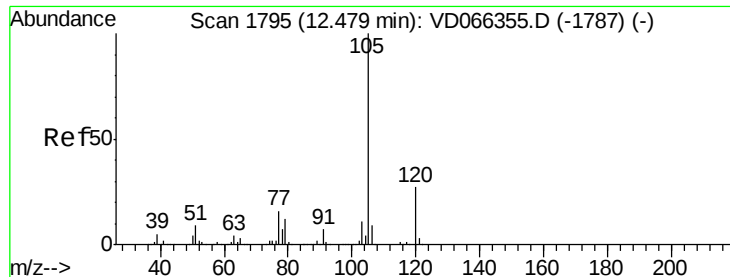


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.790 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

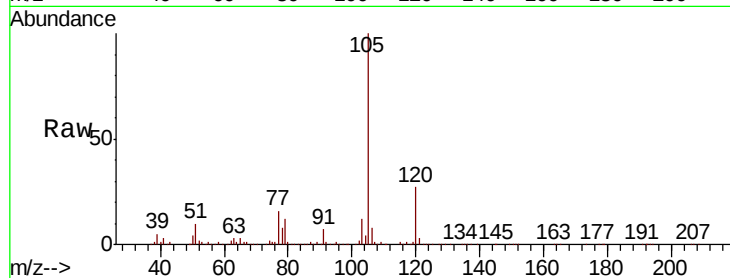
VSTDCCC050EC

Tot Ion:105 Resp: 396827

Ion Ratio Lower Upper

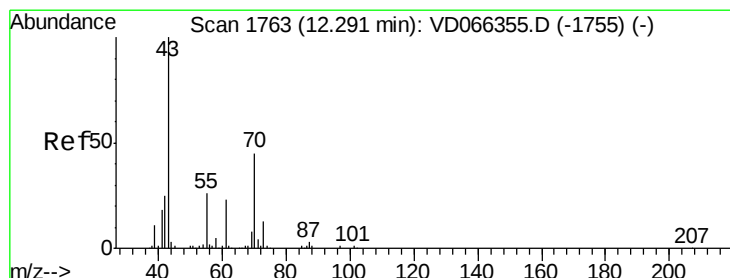
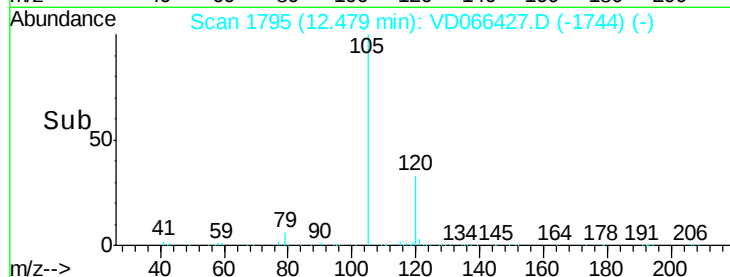
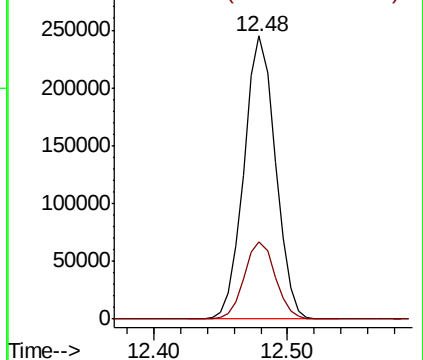
105 100

120 27.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.831 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Tgt Ion: 43 Resp: 70202

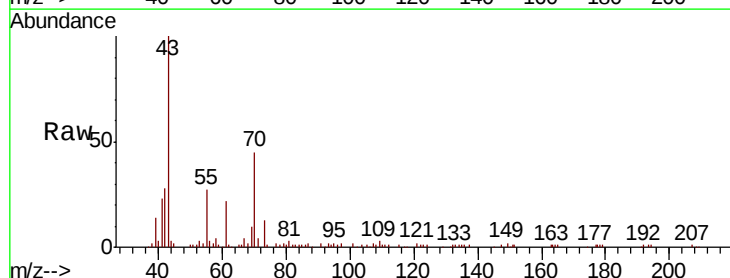
Ion Ratio Lower Upper

43 100

70 47.5 34.8 52.2

55 29.2 20.3 30.5

61 23.0 19.0 28.6

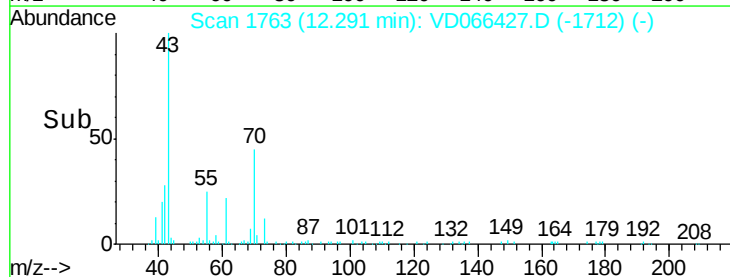
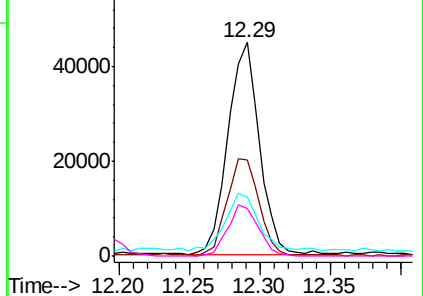


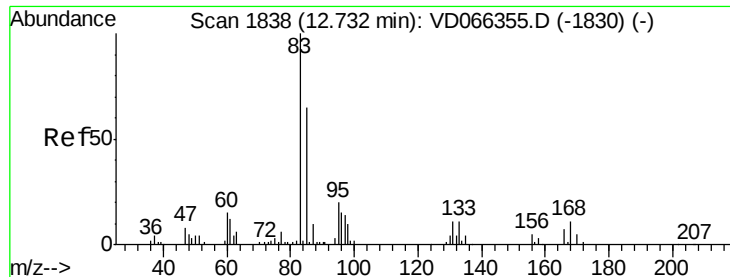
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 44.863 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

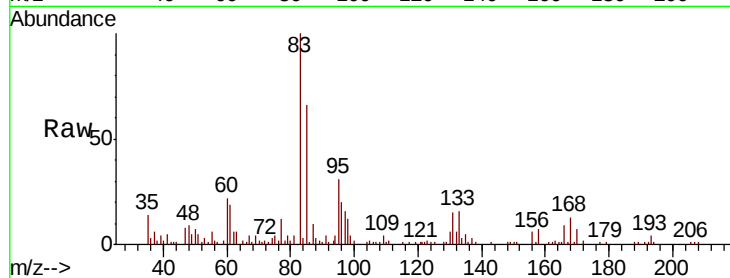
Tot Ion: 83 Resp: 54353

Ion Ratio Lower Upper

83 100

131 14.7 7.0 20.9

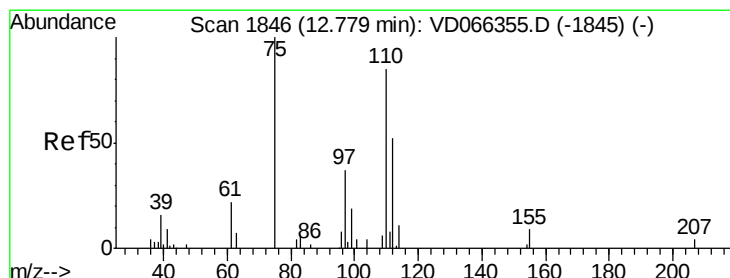
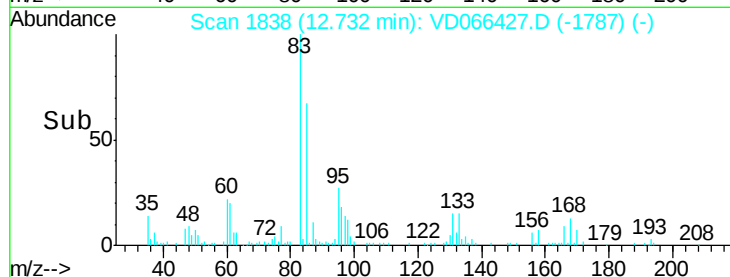
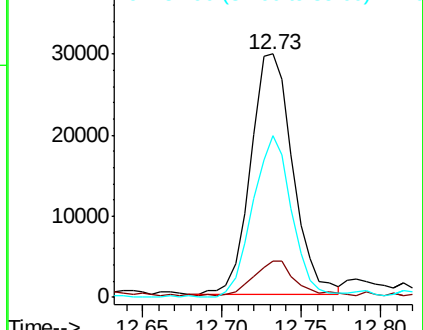
85 63.4 32.4 97.0



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: 90.731 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VD066427.D

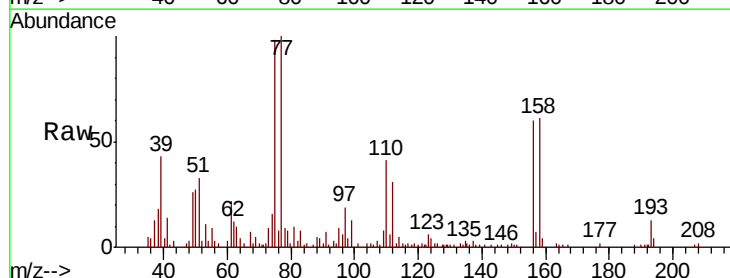
Acq: 26 Aug 2020 18:17

Tgt Ion: 75 Resp: 80809

Ion Ratio Lower Upper

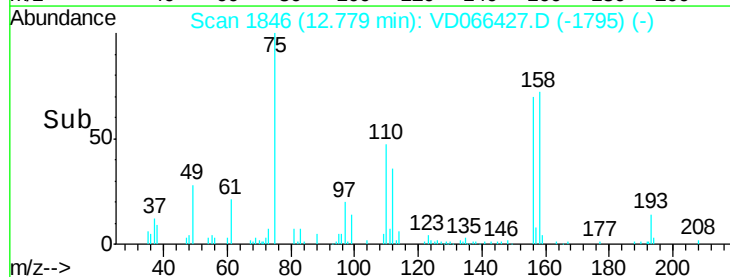
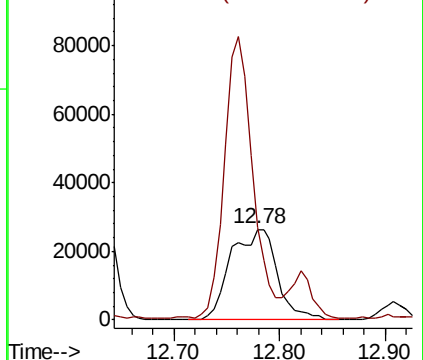
75 100

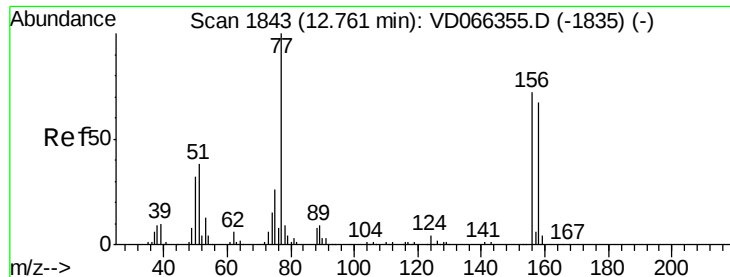
77 191.5 182.9 548.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 47.833 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

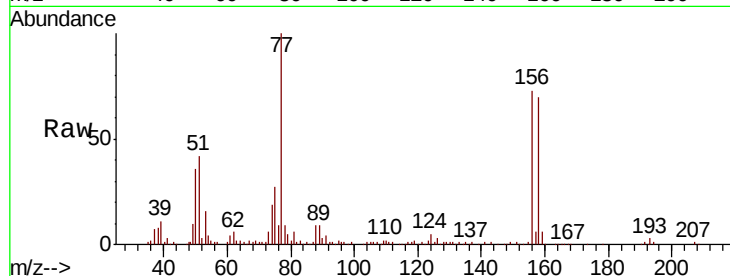
Tot Ion:156 Resp: 102964

Ion Ratio Lower Upper

156 100

77 150.3 76.1 228.3

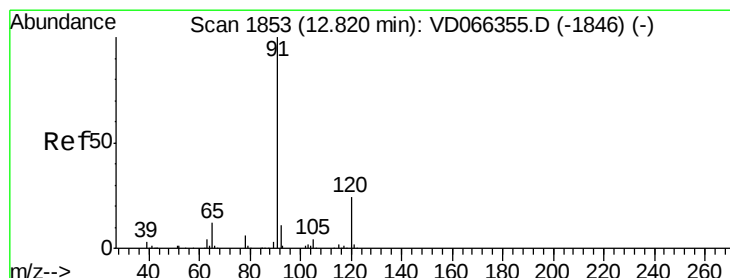
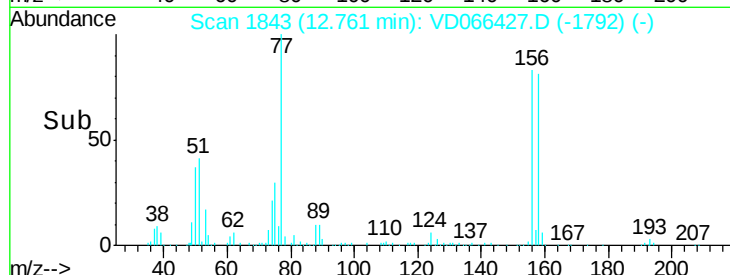
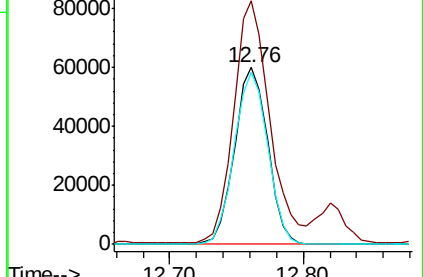
158 98.5 47.6 142.9



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: 44.777 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066427.D

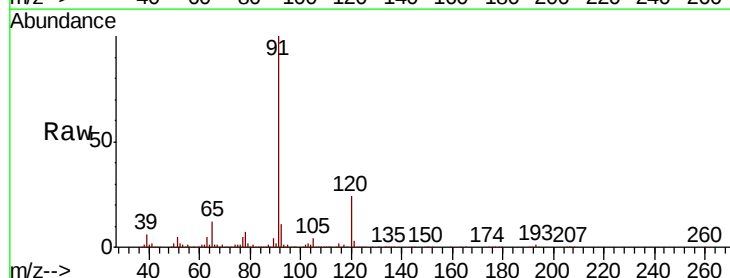
Acq: 26 Aug 2020 18:17

Tgt Ion: 91 Resp: 435418

Ion Ratio Lower Upper

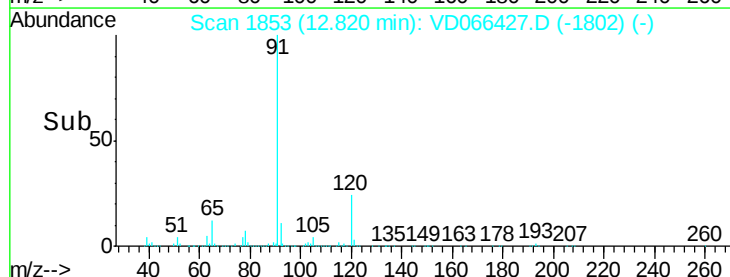
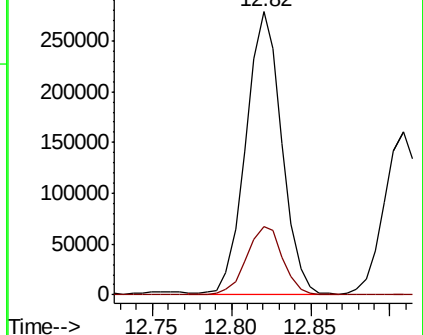
91 100

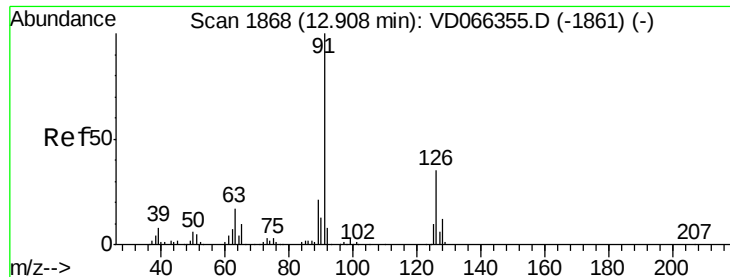
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.798 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

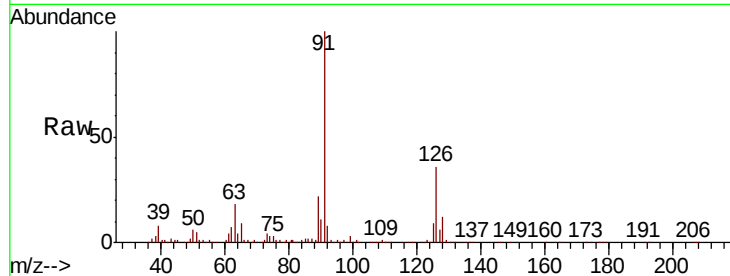
VSTDCCC050EC

Tot Ion: 91 Resp: 259912

Ion Ratio Lower Upper

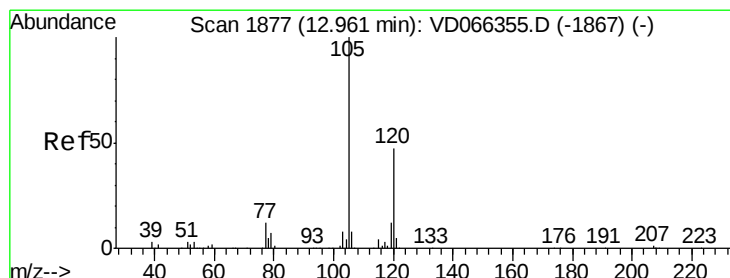
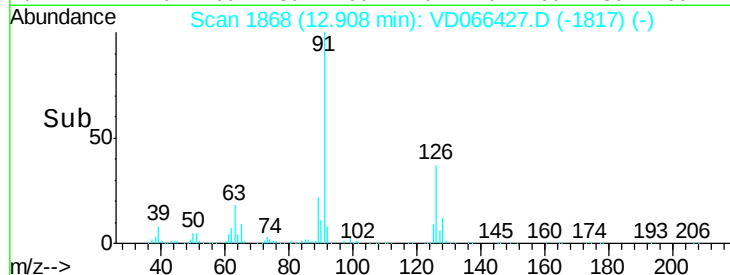
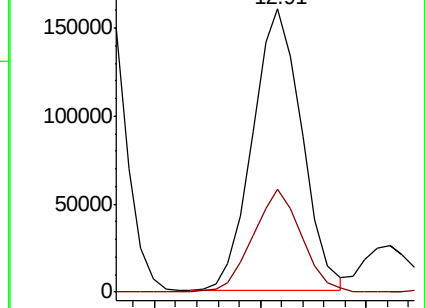
91 100

126 36.0 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.023 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066427.D

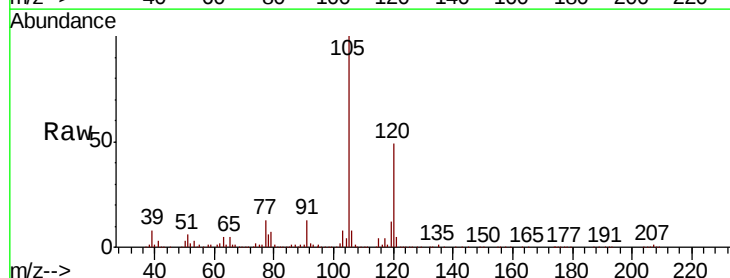
Acq: 26 Aug 2020 18:17

Tgt Ion:105 Resp: 344327

Ion Ratio Lower Upper

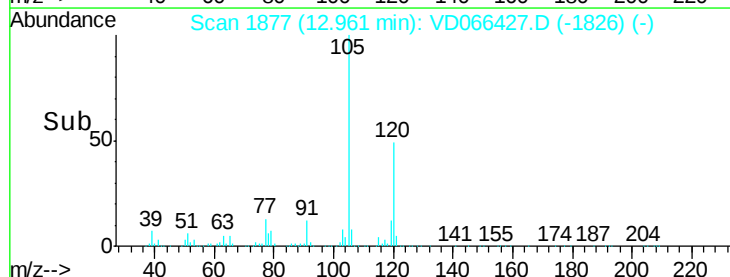
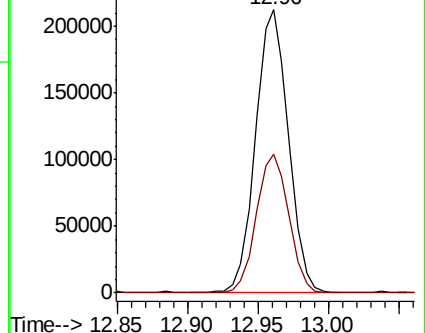
105 100

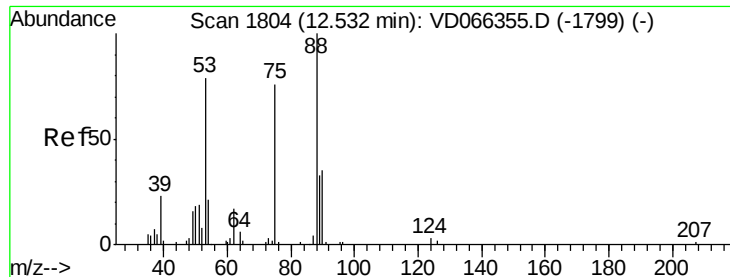
120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.919 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

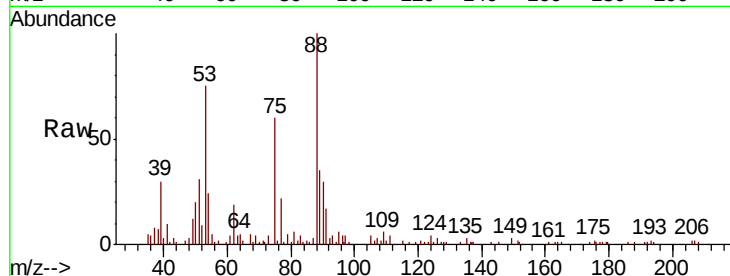
Tot Ion: 75 Resp: 19267

Ion Ratio Lower Upper

75 100

53 113.8 87.4 131.2

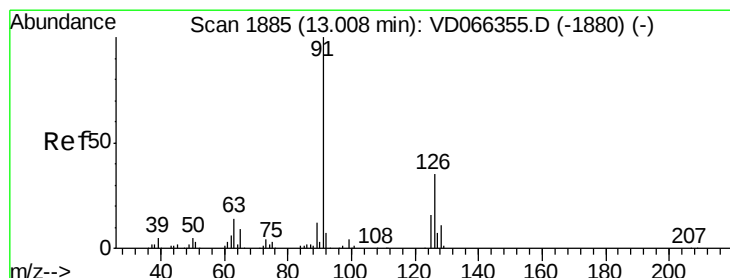
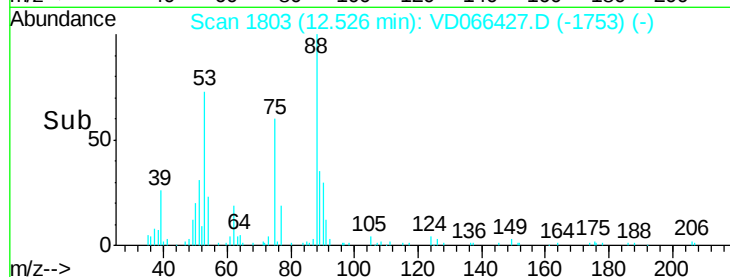
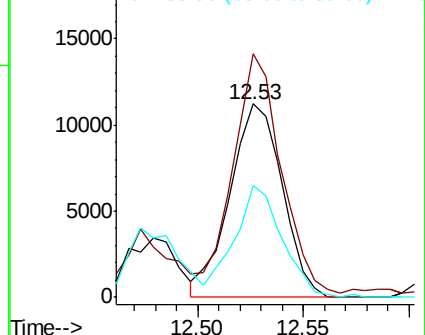
89 53.1 39.4 59.0



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: 46.929 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066427.D

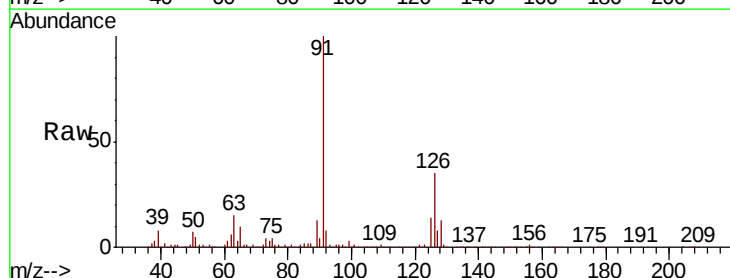
Acq: 26 Aug 2020 18:17

Tgt Ion: 91 Resp: 276139

Ion Ratio Lower Upper

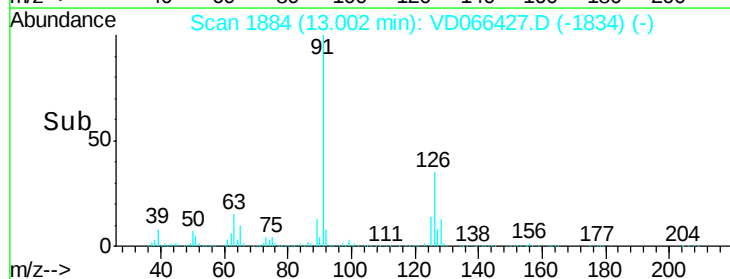
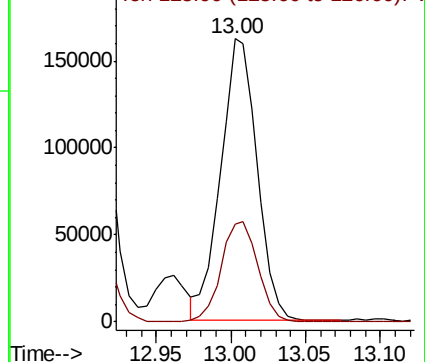
91 100

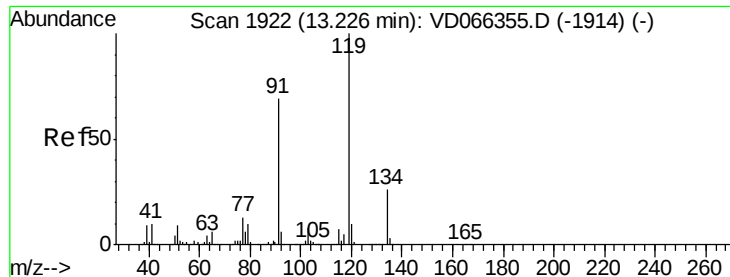
126 35.9 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 46.953 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

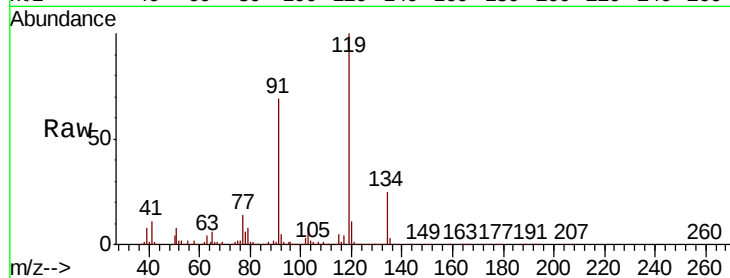
Tot Ion:119 Resp: 298630

Ion Ratio Lower Upper

119 100

91 69.1 33.5 100.5

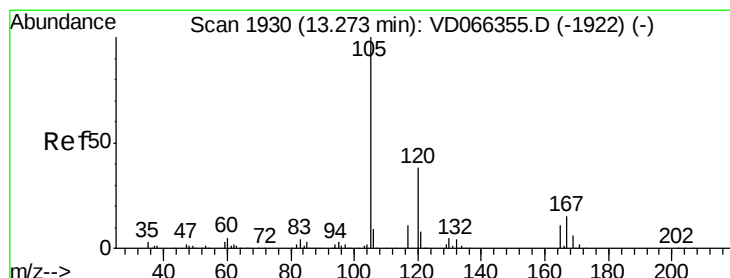
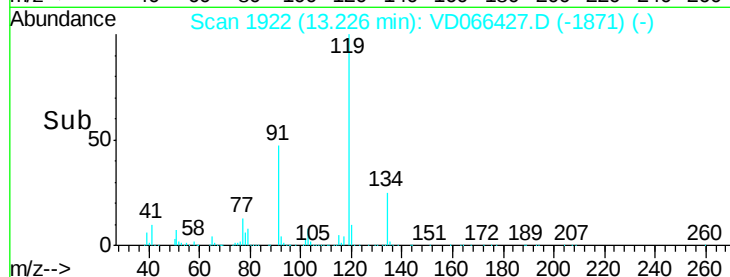
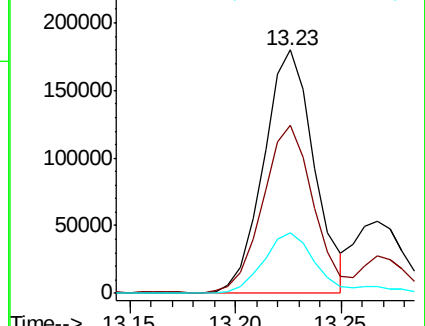
134 27.3 13.5 40.4



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: 48.755 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066427.D

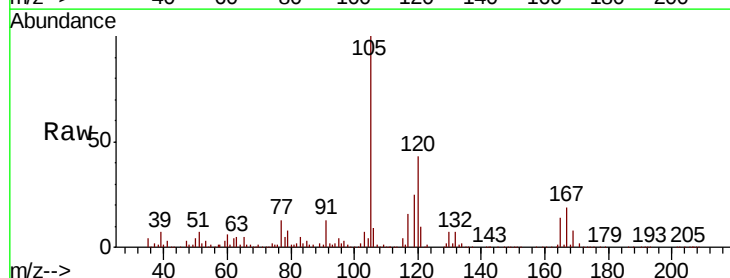
Acq: 26 Aug 2020 18:17

Tgt Ion:105 Resp: 350659

Ion Ratio Lower Upper

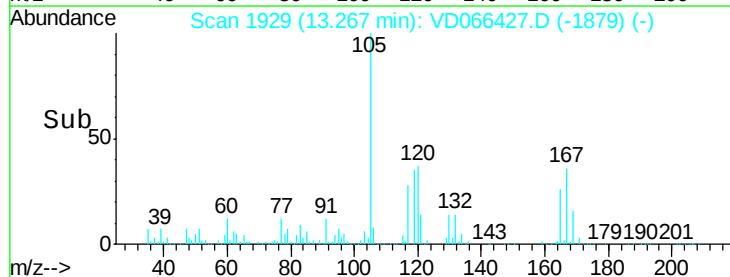
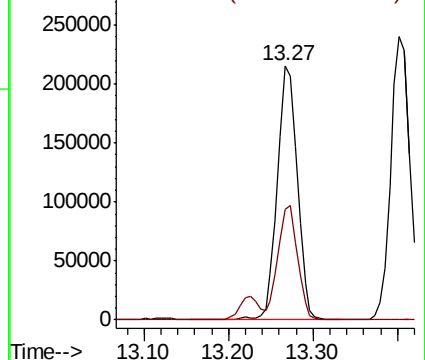
105 100

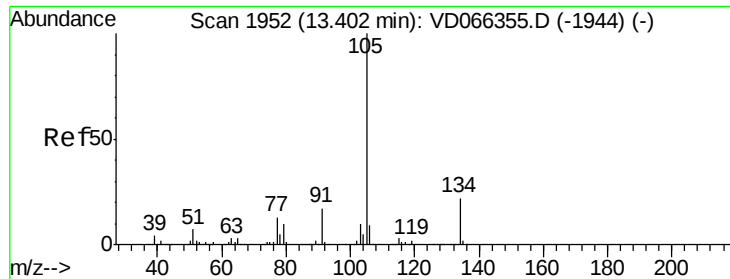
120 43.7 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.924 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

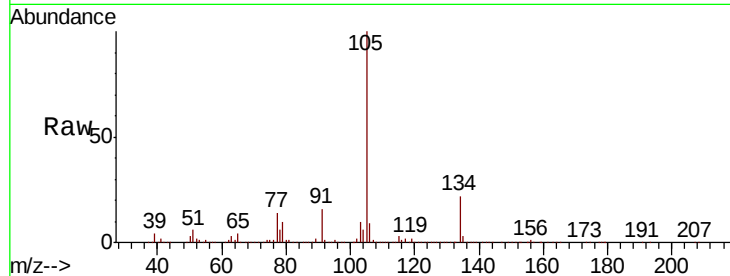
VSTDCCC050EC

Tot Ion:105 Resp: 382695

Ion Ratio Lower Upper

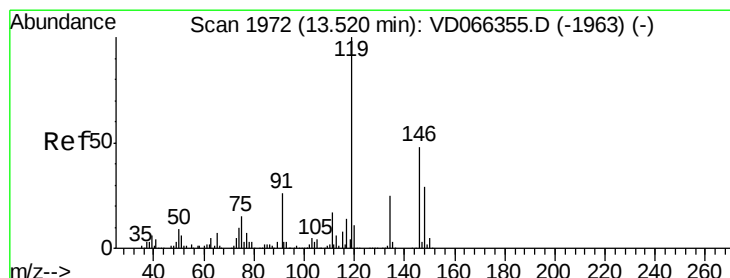
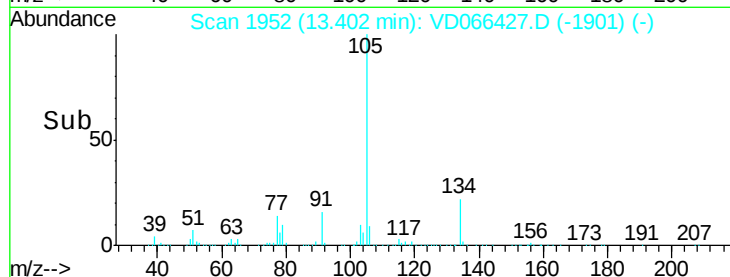
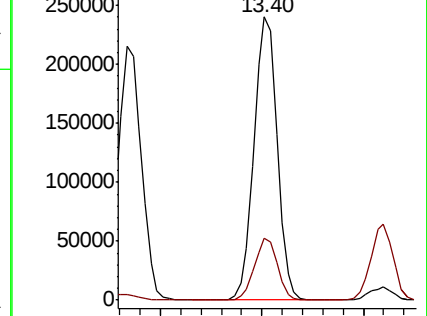
105 100

134 21.8 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.338 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

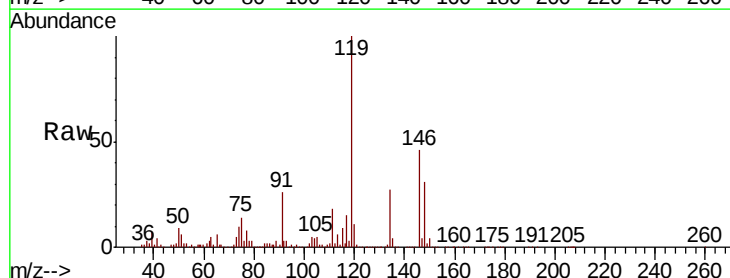
Tgt Ion:119 Resp: 372334

Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.3

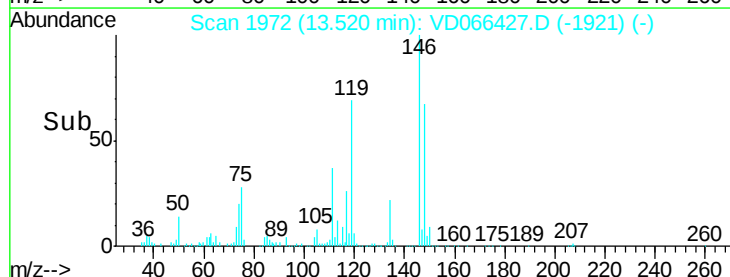
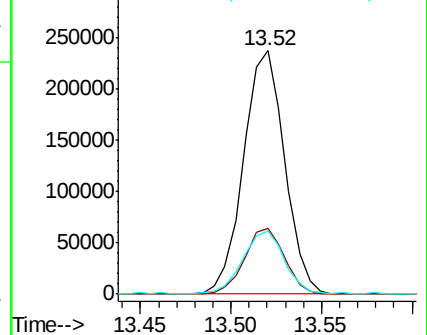
91 25.6 12.7 38.0

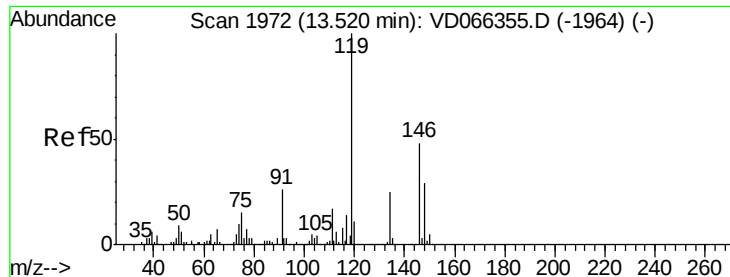


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.124 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

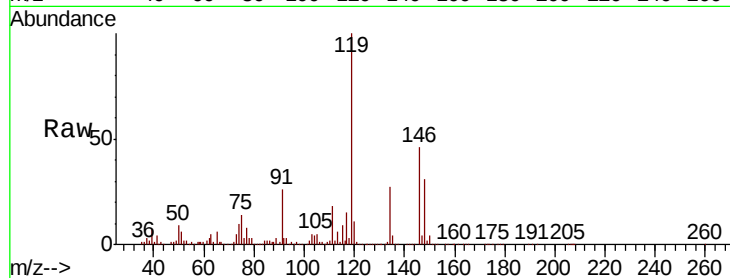
Tot Ion:146 Resp: 189351

Ion Ratio Lower Upper

146 100

111 39.0 18.9 56.9

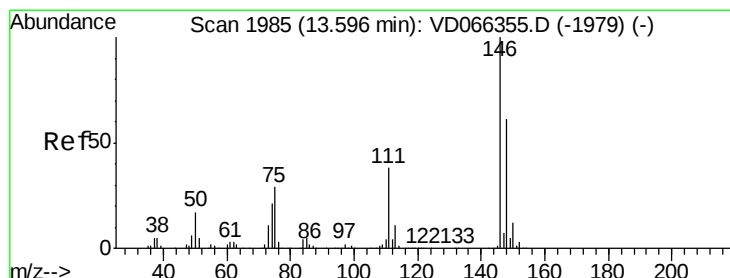
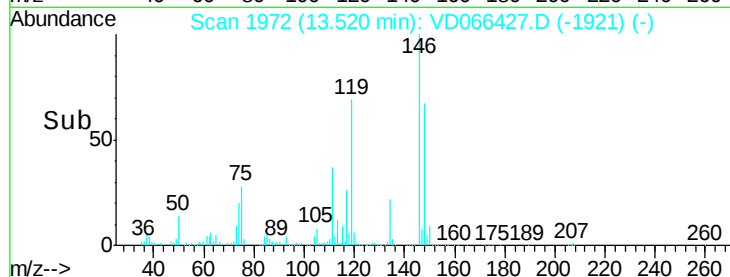
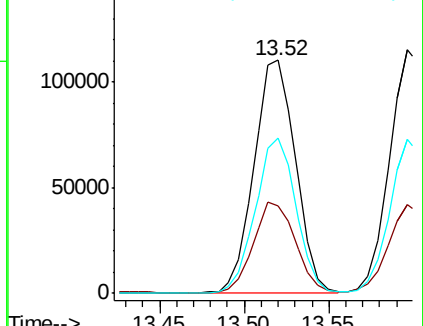
148 65.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.013 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

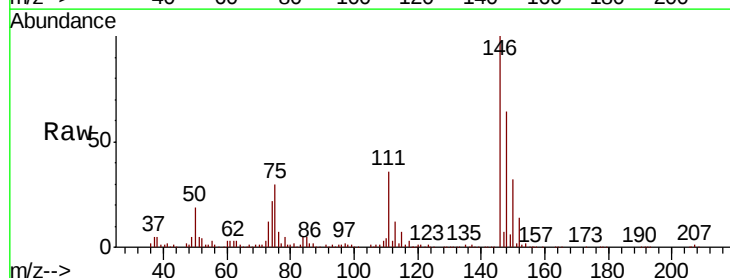
Tgt Ion:146 Resp: 189673

Ion Ratio Lower Upper

146 100

111 36.6 19.1 57.5

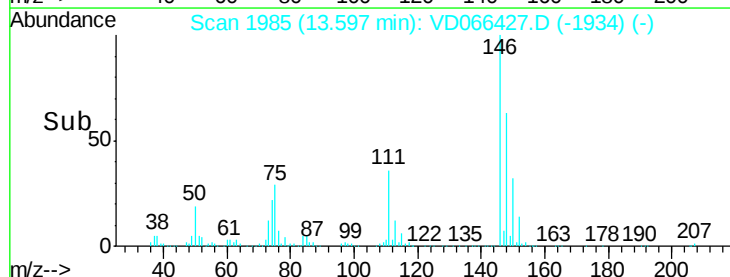
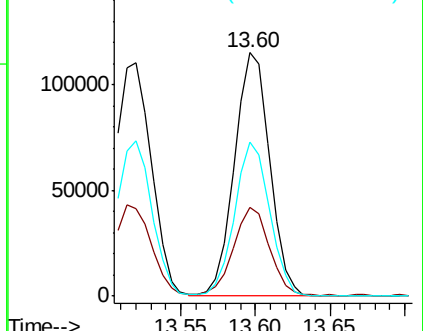
148 62.9 32.1 96.3

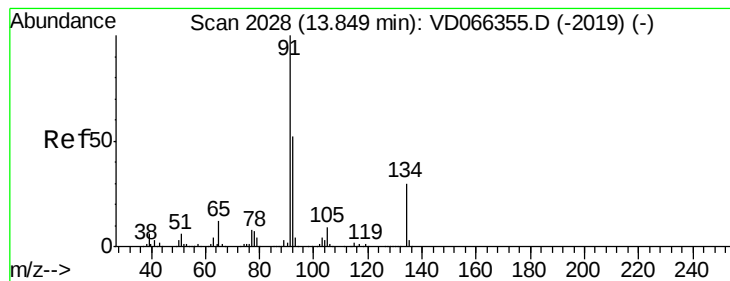


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 44.099 ug/l

RT: 13.84 min Scan# 2027

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

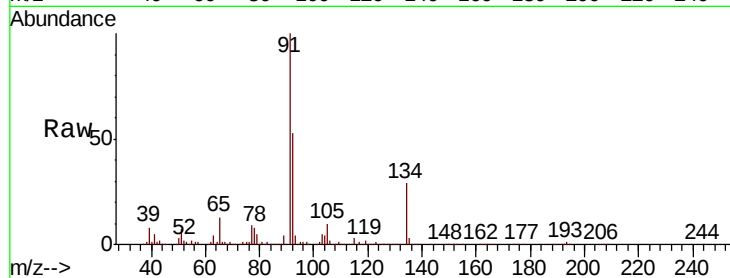
Tot Ion: 91 Resp: 312692

Ion Ratio Lower Upper

91 100

92 53.4 26.4 79.0

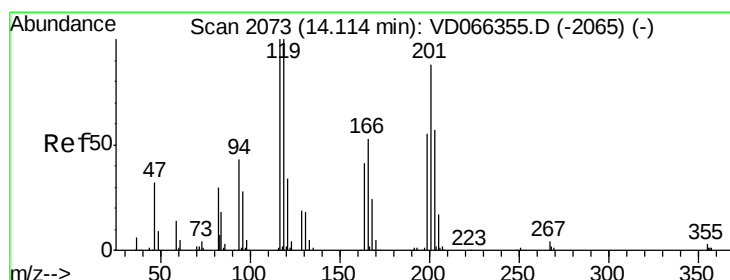
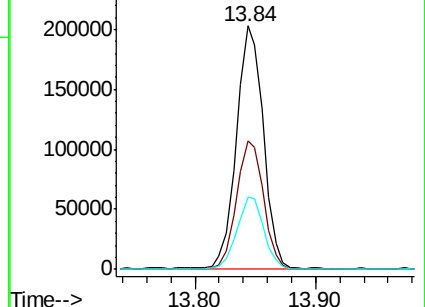
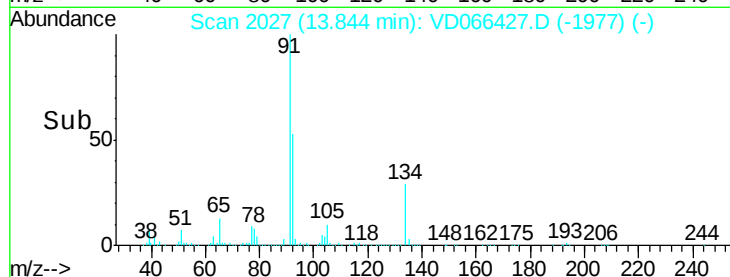
134 30.1 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 46.246 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VD066427.D

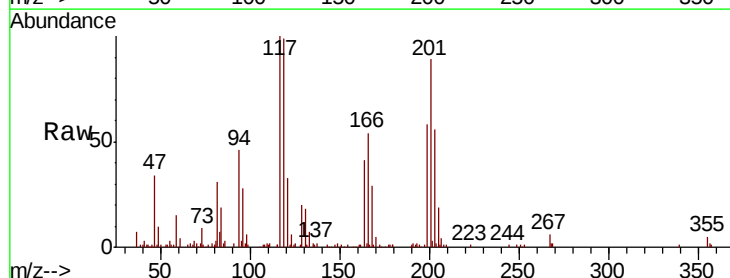
Acq: 26 Aug 2020 18:17

Tgt Ion: 117 Resp: 73406

Ion Ratio Lower Upper

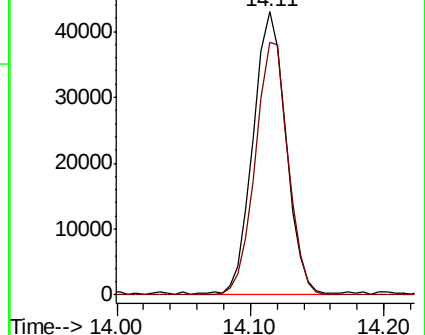
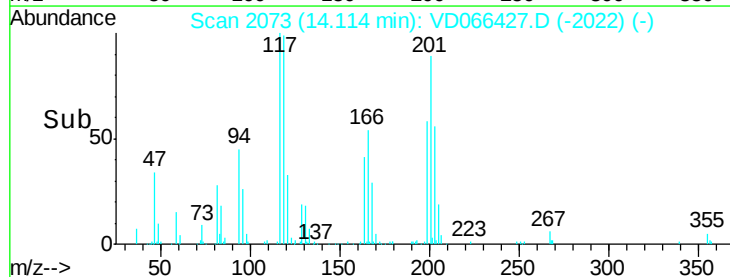
117 100

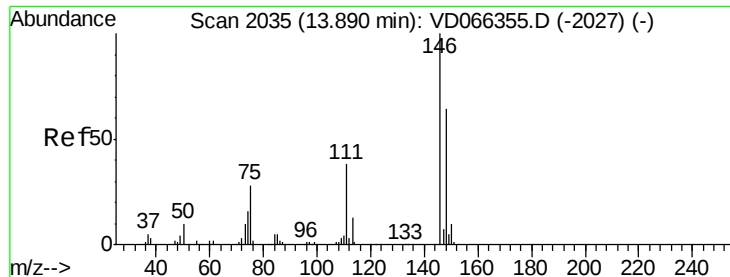
201 88.5 45.4 136.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 48.458 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

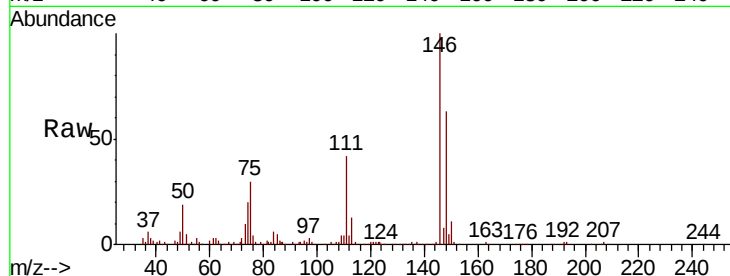
Tot Ion:146 Resp: 167618

Ion Ratio Lower Upper

146 100

111 42.4 19.9 59.7

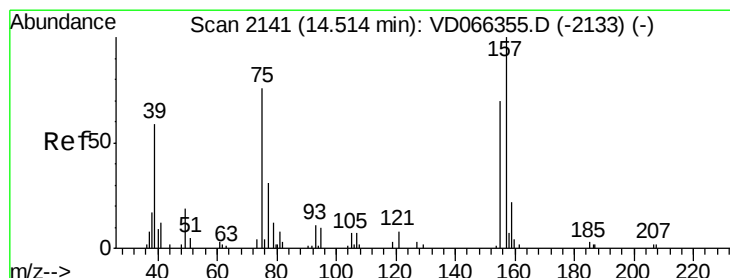
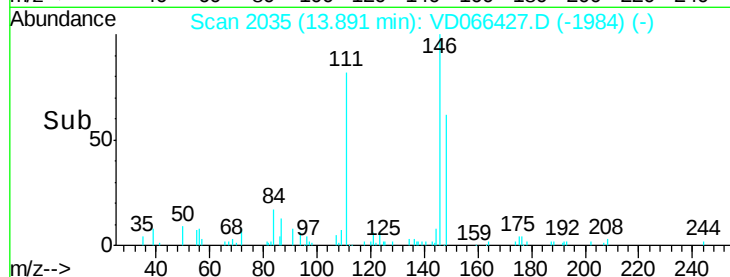
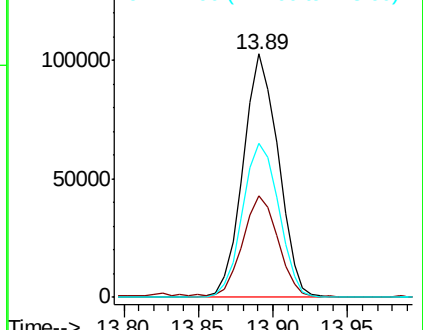
148 65.6 32.6 97.8



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: 49.166 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

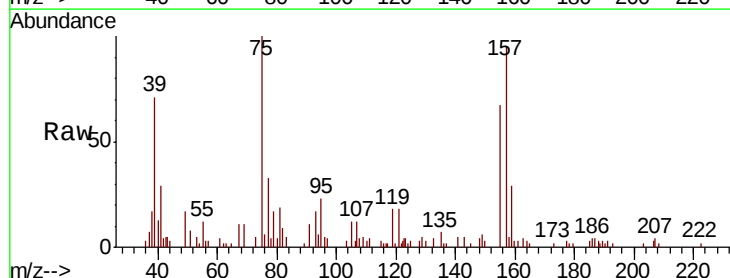
Tgt Ion: 75 Resp: 12493

Ion Ratio Lower Upper

75 100

155 87.0 46.9 140.6

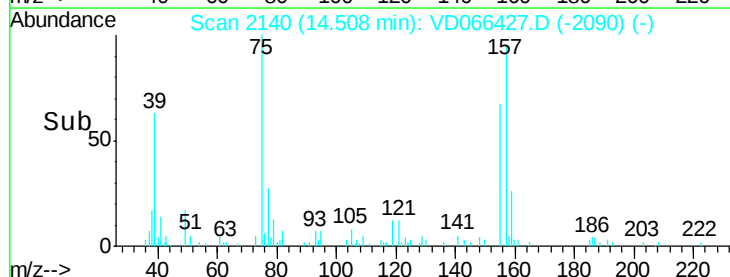
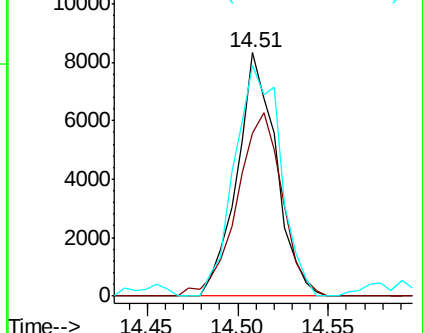
157 111.5 61.0 183.0

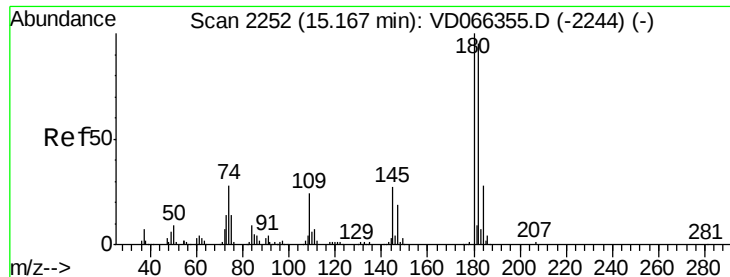


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

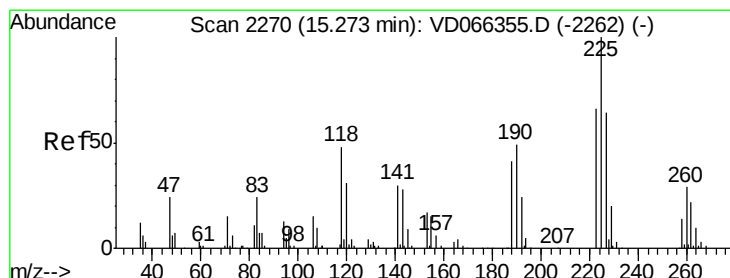
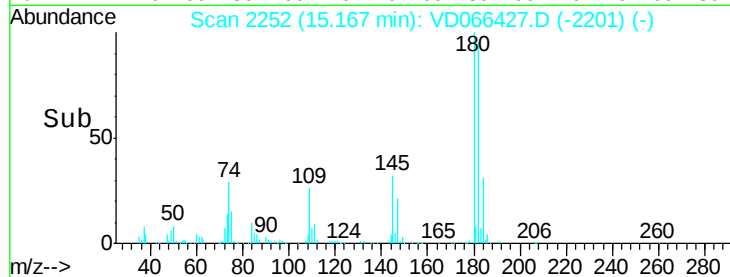
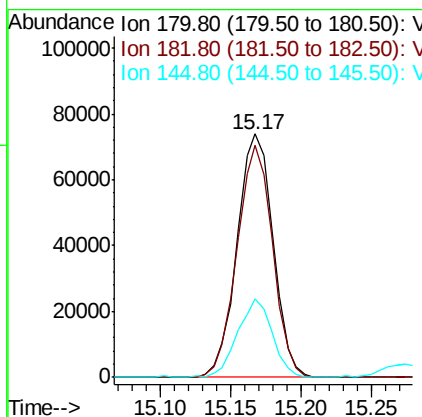
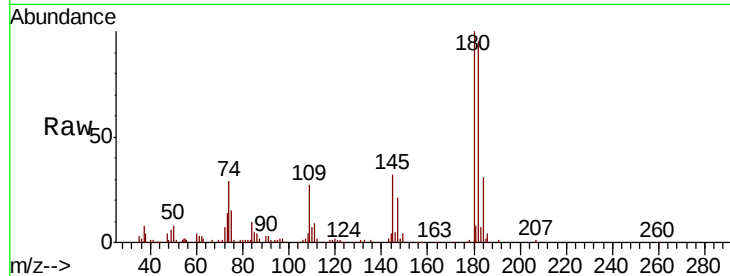




#93
 1,2,4-Trichlorobenzene
 Concen: 48.899 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

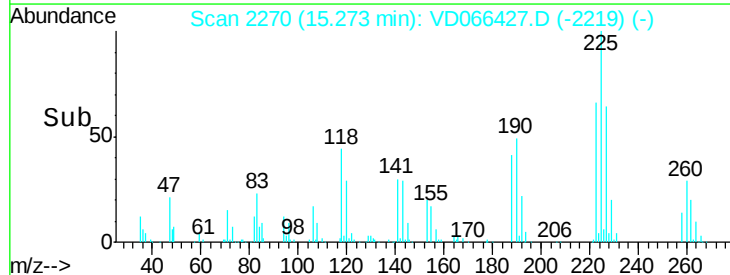
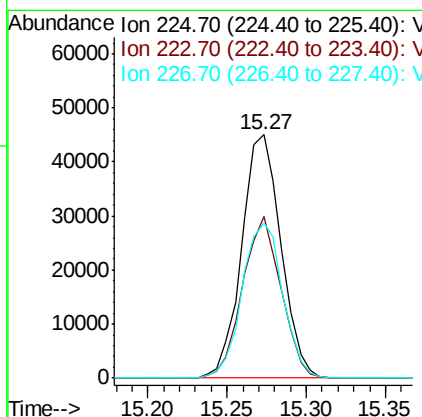
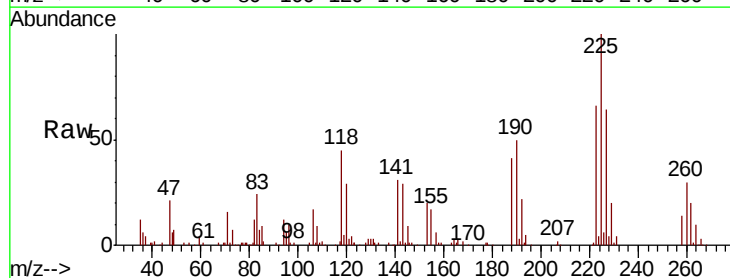
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

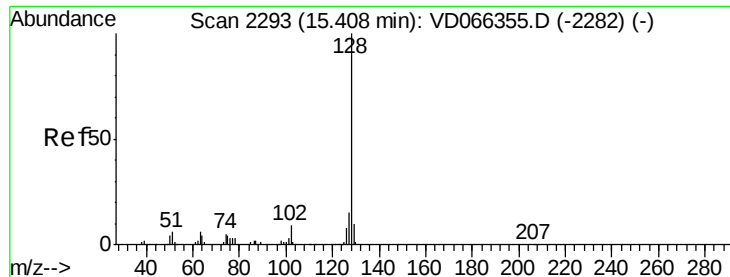
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.0	144.0
145	31.1	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 46.192 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066427.D
 Acq: 26 Aug 2020 18:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.5	97.4
227	66.1	33.0	98.9





#95

Naphthalene

Concen: 51.451 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

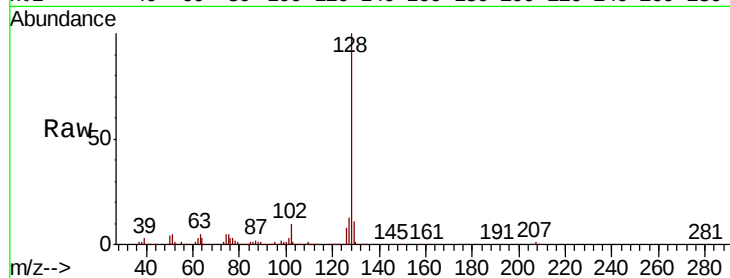
Tot Ion:128 Resp: 218224

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

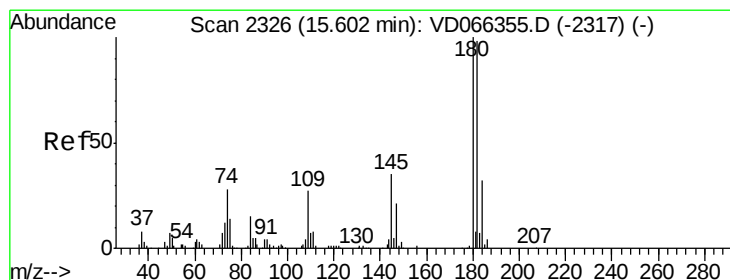
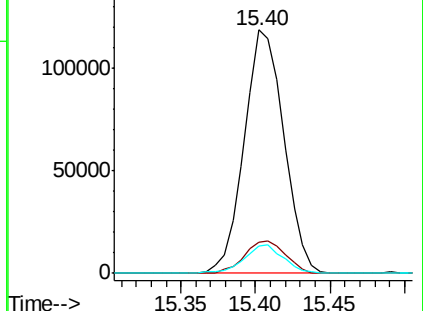
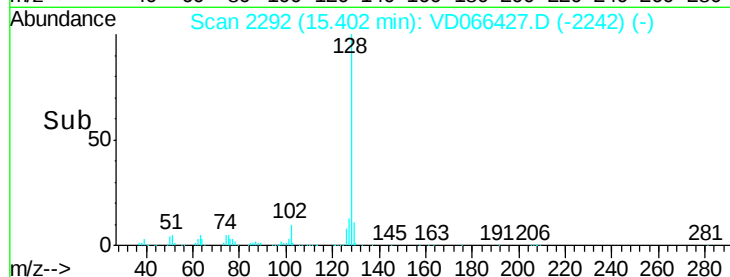
129 11.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.178 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066427.D

Acq: 26 Aug 2020 18:17

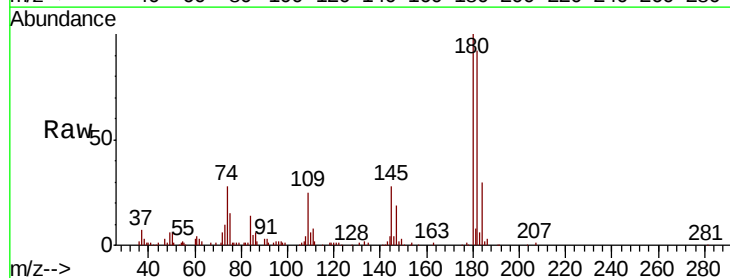
Tgt Ion:180 Resp: 116078

Ion Ratio Lower Upper

180 100

182 94.7 46.7 140.0

145 33.1 16.0 48.0



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

