

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066713.D
 Acq On : 16 Sep 2020 12:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 17 00:49:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	450829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	725915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	644755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302646	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	236815	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	7.91	113	225586	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	10.34	98	827936	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.63	95	272067	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	155633	46.264	ug/l	100
3) Chloromethane	2.21	50	203120	41.403	ug/l	96
4) Vinyl Chloride	2.35	62	220094	42.866	ug/l	96
5) Bromomethane	2.77	94	142416	39.101	ug/l	98
6) Chloroethane	2.92	64	132004	41.270	ug/l	98
7) Trichlorofluoromethane	3.27	101	391876	44.188	ug/l	98
8) Diethyl Ether	3.71	74	97190	43.765	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	216873	44.498	ug/l	98
10) Methyl Iodide	4.30	142	198631	42.954	ug/l	98
11) Tert butyl alcohol	5.22	59	68678	208.520	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	199475	44.219	ug/l	99
13) Acrolein	3.92	56	78983	232.821	ug/l	97
14) Allyl chloride	4.71	41	322278	44.486	ug/l	99
15) Acrylonitrile	5.42	53	214706	220.705	ug/l	99
16) Acetone	4.16	43	276747	282.534	ug/l	91
17) Carbon Disulfide	4.40	76	638079	45.014	ug/l	99
18) Methyl Acetate	4.72	43	95170	45.172	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	470140	46.790	ug/l	97
20) Methylene Chloride	4.96	84	237607	44.285	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	234286	44.578	ug/l	96
22) Diisopropyl ether	6.36	45	659432	44.797	ug/l	98
23) Vinyl Acetate	6.30	43	1932019	235.953	ug/l	100
24) 1,1-Dichloroethane	6.26	63	407659	43.641	ug/l	99
25) 2-Butanone	7.21	43	306821	240.554	ug/l	99
26) 2,2-Dichloropropane	7.21	77	390426	45.199	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	252600	43.933	ug/l	96
28) Bromochloromethane	7.54	49	159805	45.802	ug/l	97
29) Tetrahydrofuran	7.56	42	176219	225.812	ug/l	97
30) Chloroform	7.71	83	430181	43.271	ug/l	99
31) Cyclohexane	7.99	56	386231	45.457	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	412695	45.365	ug/l	100
36) 1,1-Dichloropropene	8.11	75	346561	46.435	ug/l	100
37) Ethyl Acetate	7.29	43	129609	45.872	ug/l	98
38) Carbon Tetrachloride	8.09	117	369118	46.572	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	419668	49.159	ug/l	98
40) Benzene	8.35	78	910789	45.107	ug/l	100
41) Methacrylonitrile	7.56	41	178872	119.580	ug/l #	17
42) 1,2-Dichloroethane	8.42	62	280823	44.892	ug/l	100
43) Isopropyl Acetate	8.45	43	243265	45.742	ug/l	99
44) Trichloroethene	9.11	130	246261	45.615	ug/l	100
45) 1,2-Dichloropropane	9.38	63	226648	45.405	ug/l	98
46) Dibromomethane	9.47	93	120499	43.930	ug/l	97
47) Bromodichloromethane	9.66	83	335885	44.938	ug/l	99
48) Methyl methacrylate	9.46	41	130843	48.369	ug/l	98
49) 1,4-Dioxane	9.46	88	26853	913.906	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	635632	232.155	ug/l	100
52) Toluene	10.40	92	592152	45.779	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	309935	46.418	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	369883	46.639	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	161732	44.720	ug/l	98
56) Ethyl methacrylate	10.66	69	203458	49.575	ug/l	98
57) 1,3-Dichloropropane	10.94	76	284426	44.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	448923	249.060	ug/l	97
59) 2-Hexanone	10.98	43	466642	253.654	ug/l	99
60) Dibromochloromethane	11.14	129	213288	45.262	ug/l	100
61) 1,2-Dibromoethane	11.24	107	156966	45.246	ug/l	99
64) Tetrachloroethene	10.87	164	197626	44.901	ug/l	95
65) Chlorobenzene	11.67	112	601692	45.073	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	221668	45.006	ug/l	98
67) Ethyl Benzene	11.74	91	1145403	47.371	ug/l	98
68) m/p-Xylenes	11.85	106	858569	93.949	ug/l	99
69) o-Xylene	12.18	106	378494	46.868	ug/l	99
70) Styrene	12.20	104	658658	46.339	ug/l	97
71) Bromoform	12.36	173	115946	46.907	ug/l #	96
73) Isopropylbenzene	12.48	105	1096536	48.534	ug/l	100
74) N-amyl acetate	12.29	43	227289	47.690	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	170594	44.435	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	232865	89.891	ug/l #	100
77) Bromobenzene	12.76	156	230217	44.210	ug/l	99
78) n-propylbenzene	12.82	91	1317725	47.845	ug/l	100
79) 2-Chlorotoluene	12.91	91	722008	46.362	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	909496	47.610	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	56336	46.934	ug/l	98
82) 4-Chlorotoluene	13.01	91	751565	45.641	ug/l	99
83) tert-Butylbenzene	13.23	119	769823	48.893	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	902861	47.292	ug/l	99
85) sec-Butylbenzene	13.40	105	1099881	48.727	ug/l	100
86) p-Isopropyltoluene	13.52	119	1013138	49.370	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	458590	45.903	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	447552	44.987	ug/l	98
89) n-Butylbenzene	13.84	91	959264	49.160	ug/l	99
90) Hexachloroethane	14.11	117	191478	45.421	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	385794	45.068	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29455	47.462	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
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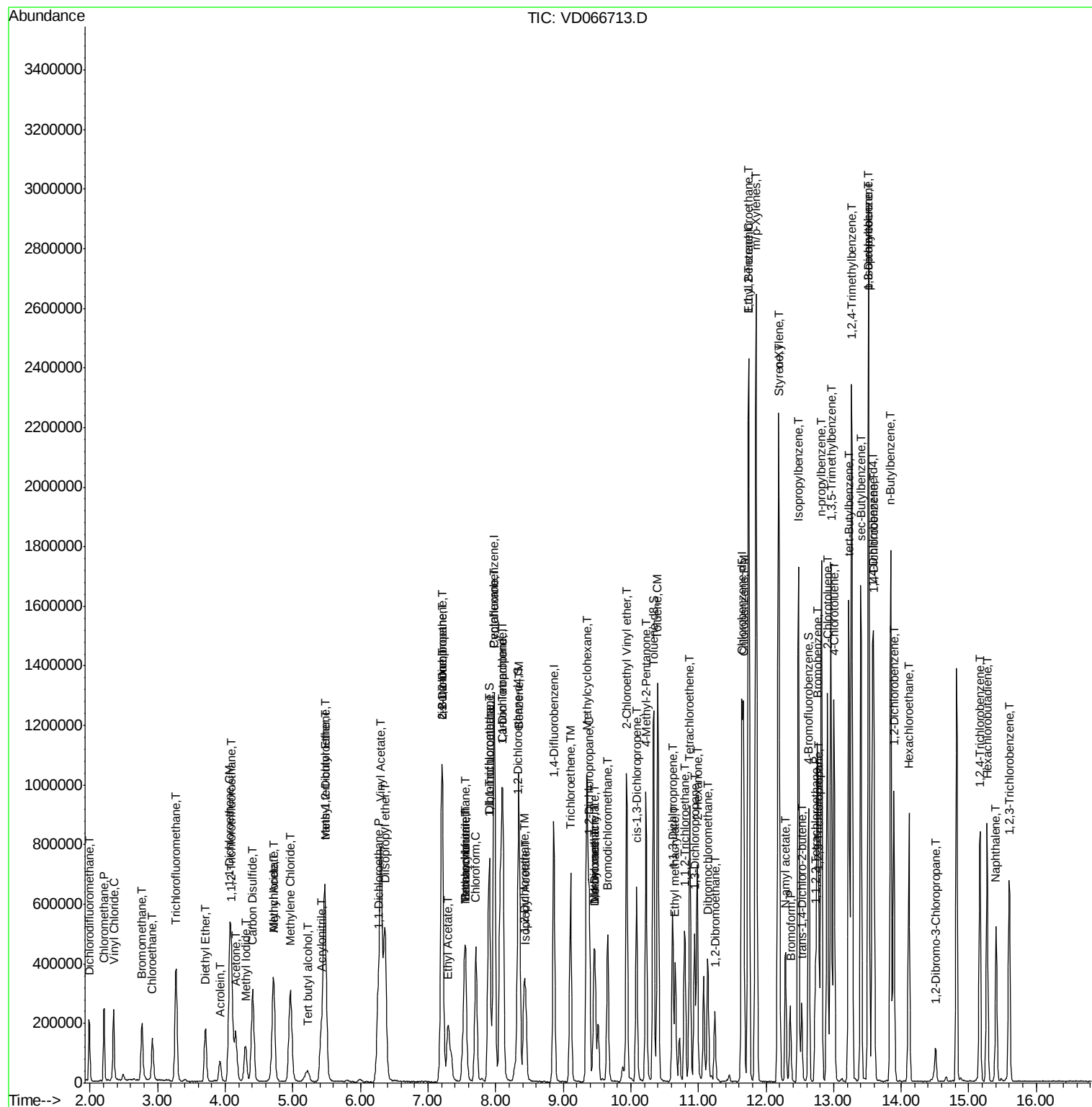
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	251013	48.481	ug/l	98
94) Hexachlorobutadiene	15.27	225	151121	48.446	ug/l	99
95) Naphthalene	15.40	128	447730	49.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	215737	47.705	ug/l	100

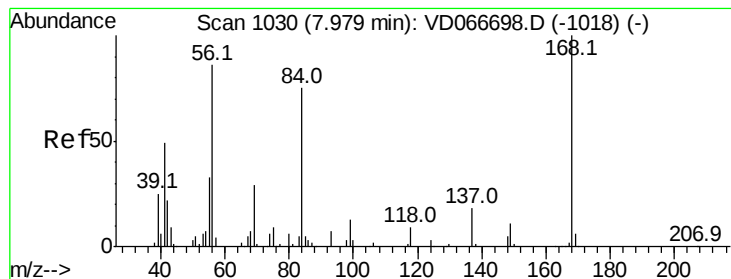
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

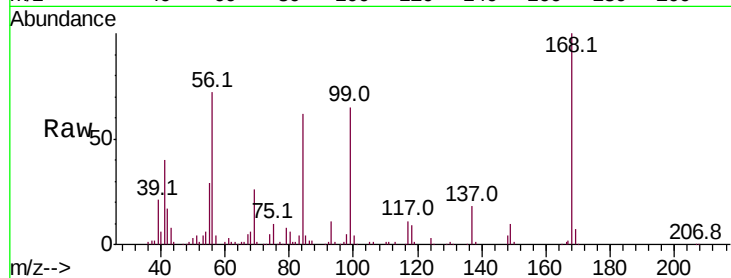
VSTDCCC050

Tot Ion:168 Resp: 450829

Ion Ratio Lower Upper

168 100

99 64.2 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

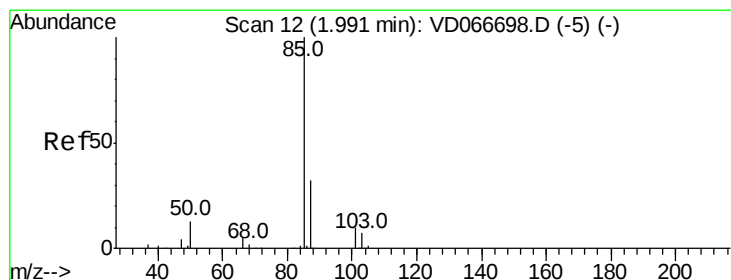
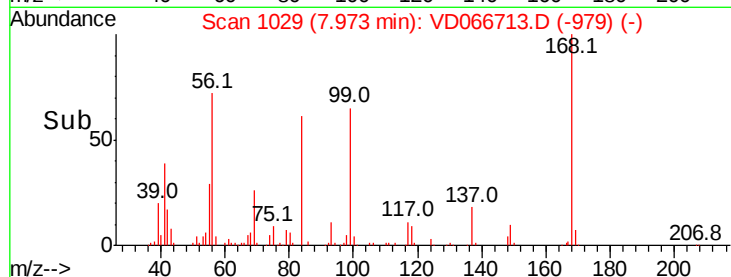
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.264 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066713.D

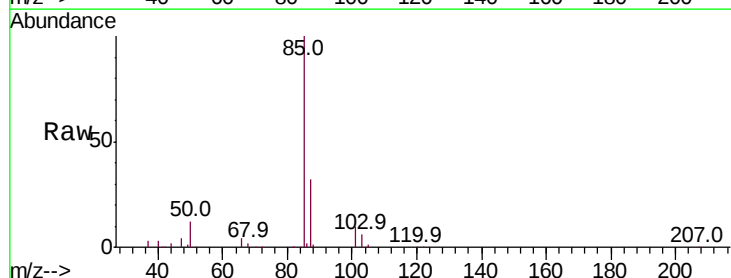
Acq: 16 Sep 2020 12:09

Tgt Ion: 85 Resp: 155633

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

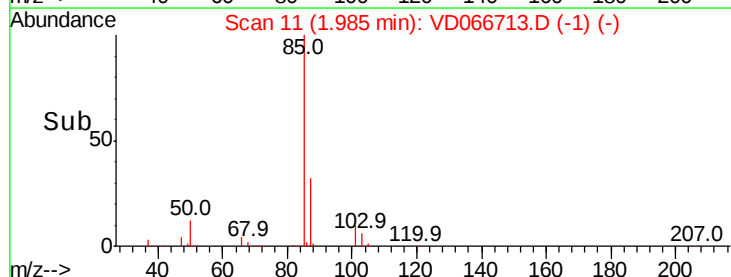
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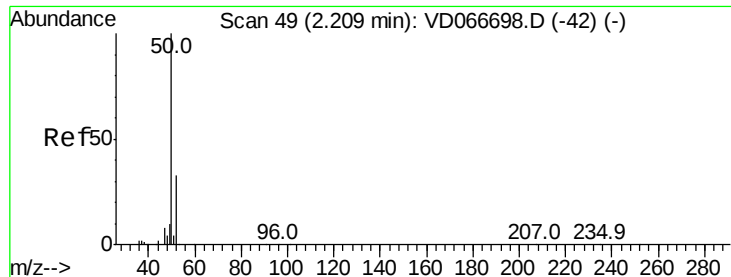
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 41.403 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

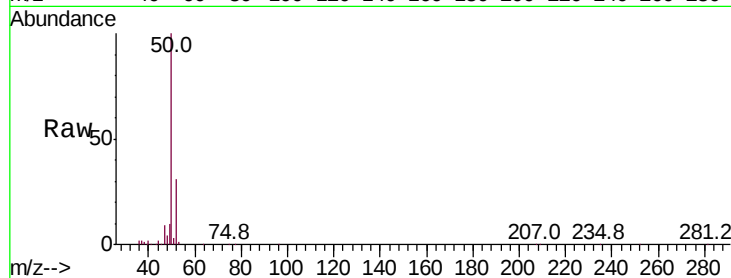
VSTDCCC050

Tot Ion: 50 Resp: 203120

Ion Ratio Lower Upper

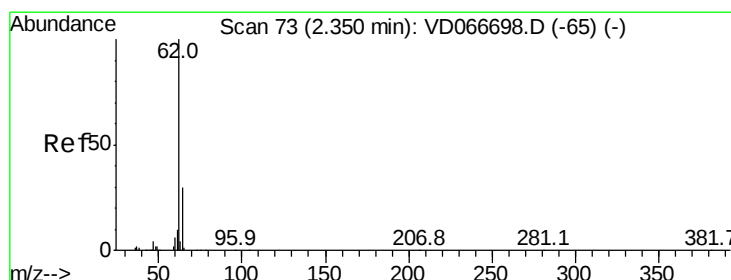
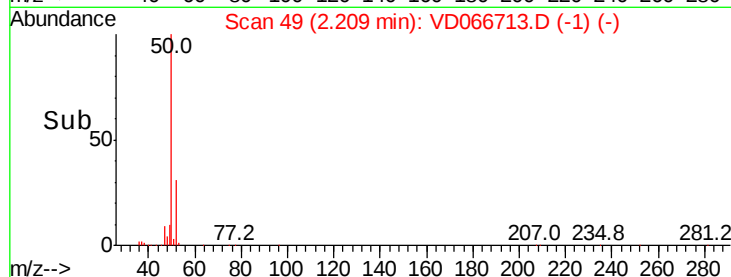
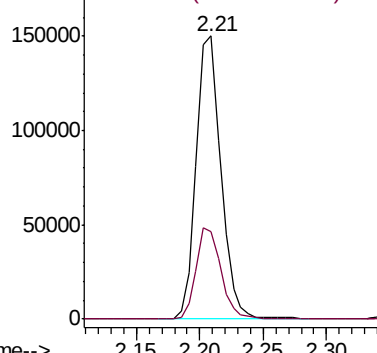
50 100

52 31.1 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.866 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066713.D

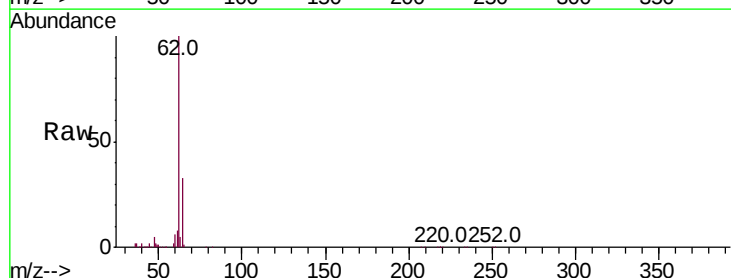
Acq: 16 Sep 2020 12:09

Tgt Ion: 62 Resp: 220094

Ion Ratio Lower Upper

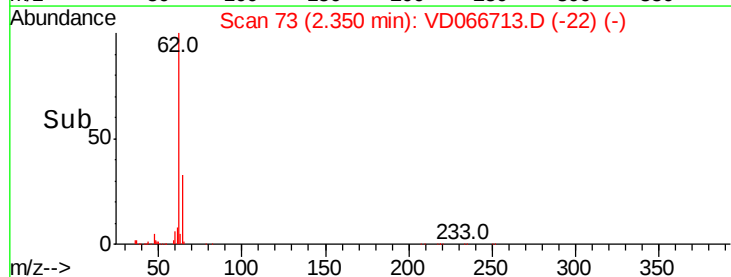
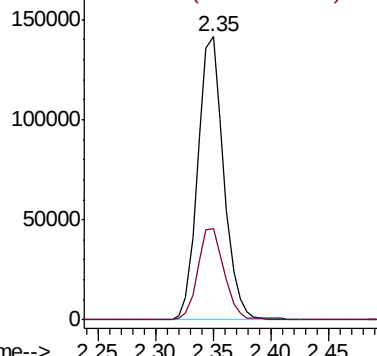
62 100

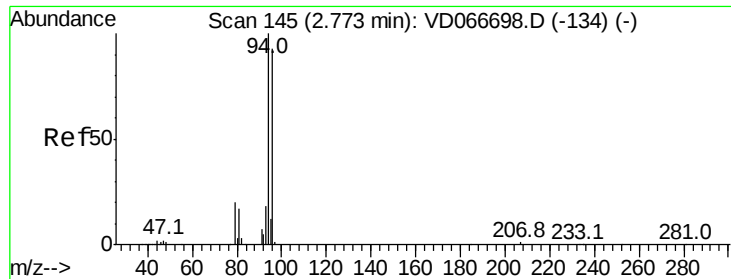
64 32.5 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 39.101 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

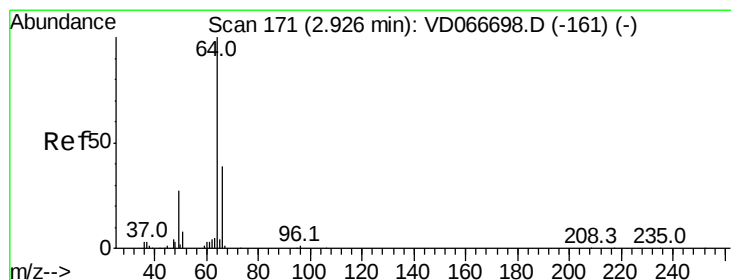
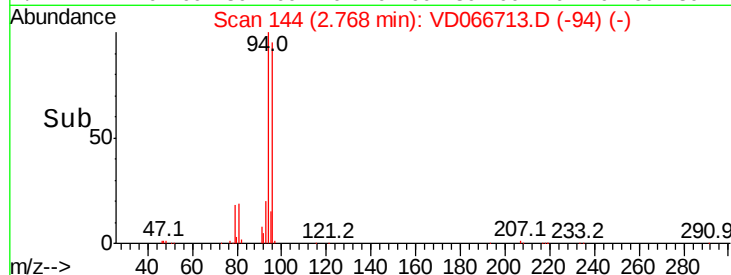
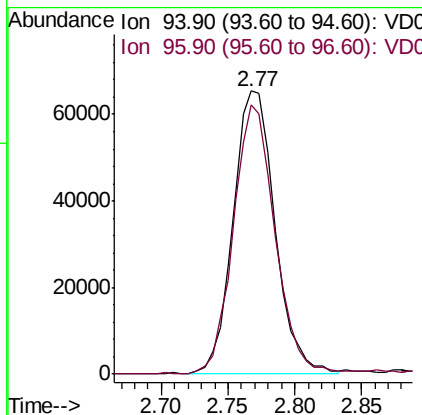
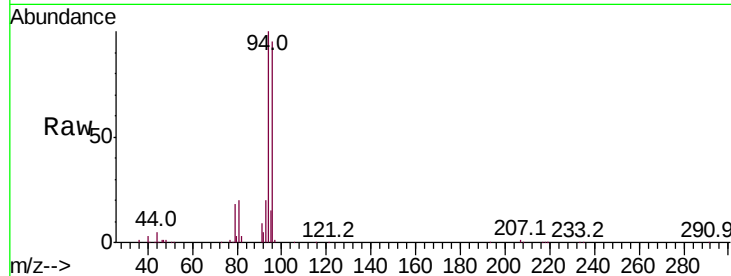
VSTDCCC050

Tot Ion: 94 Resp: 142416

Ion Ratio Lower Upper

94 100

96 95.1 74.7 112.1



#6

Chloroethane

Concen: 41.270 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066713.D

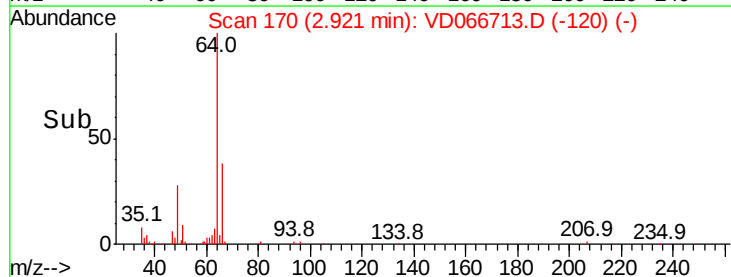
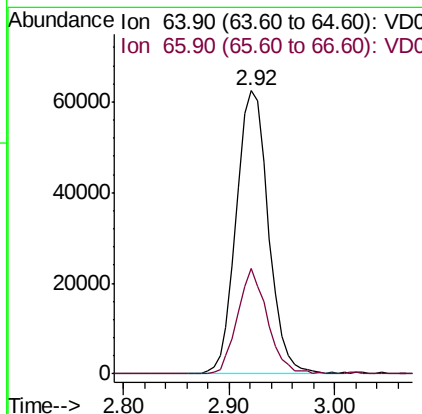
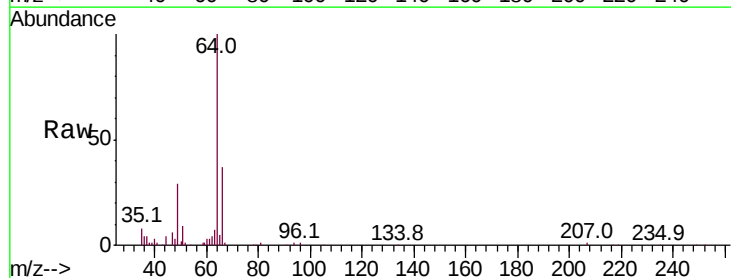
Acq: 16 Sep 2020 12:09

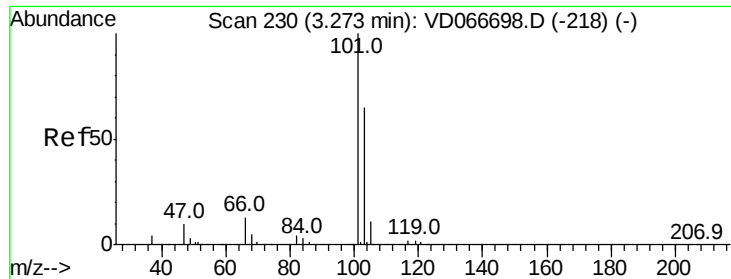
Tgt Ion: 64 Resp: 132004

Ion Ratio Lower Upper

64 100

66 37.5 30.9 46.3



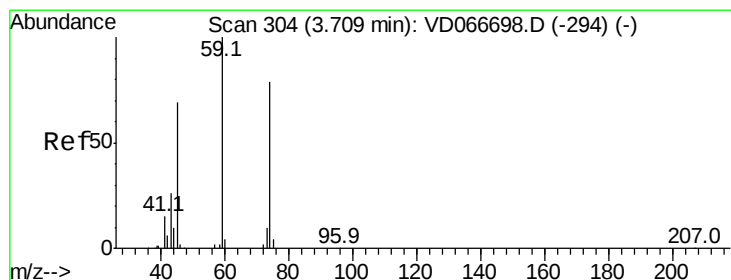
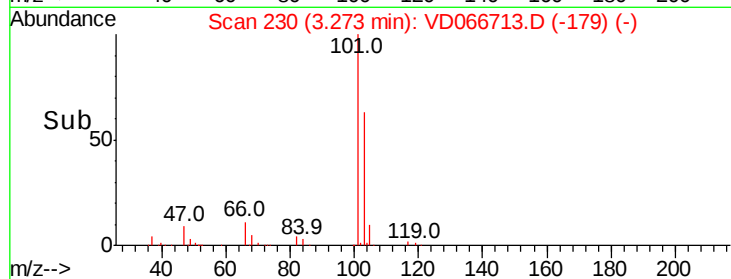
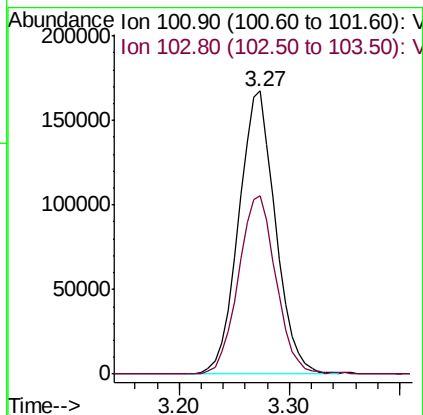
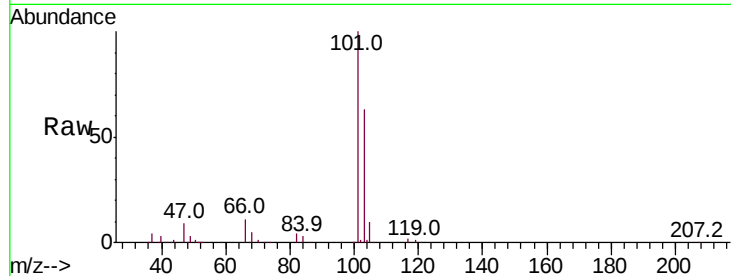


#7

Trichlorofluoromethane
 Concen: 44.188 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
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 VSTDCCC050

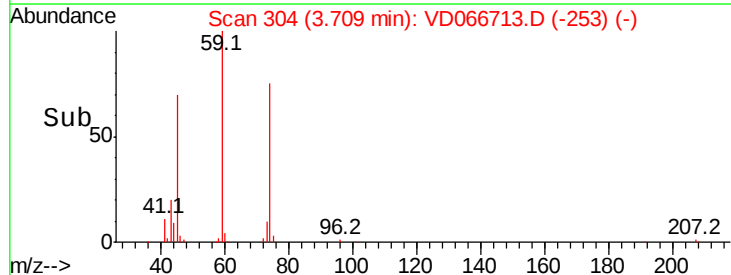
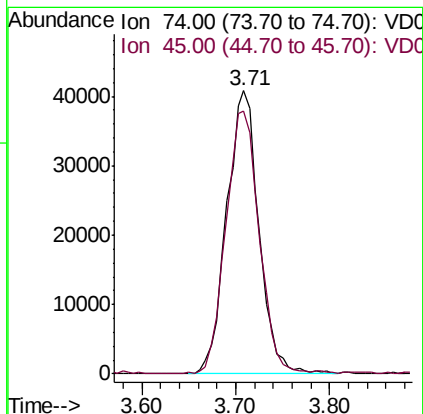
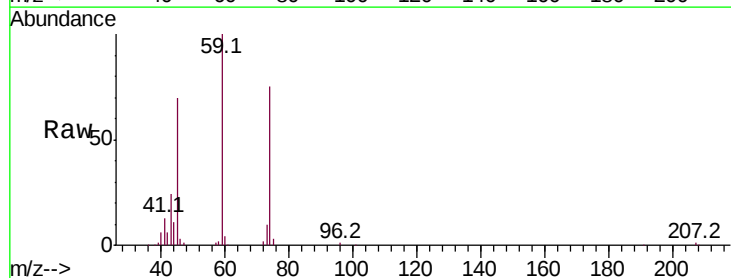
Tot Ion:101 Resp: 391876
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.8 77.8

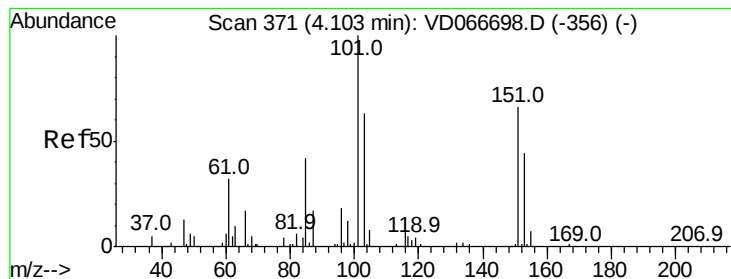


#8

Diethyl Ether
 Concen: 43.765 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion: 74 Resp: 97190
 Ion Ratio Lower Upper
 74 100
 45 95.7 48.0 144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.498 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

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VSTDCCC050

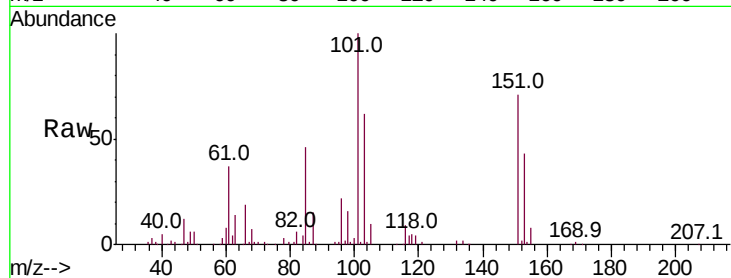
Tot Ion:101 Resp: 216873

Ion Ratio Lower Upper

101 100

85 44.7 36.3 54.5

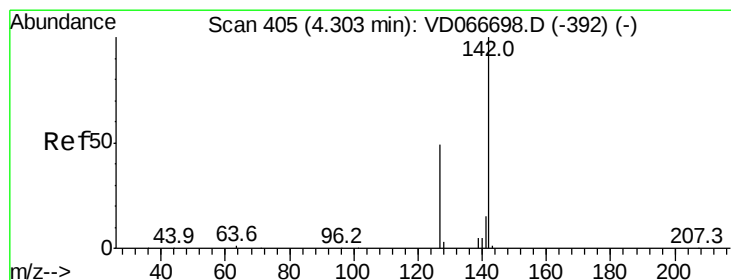
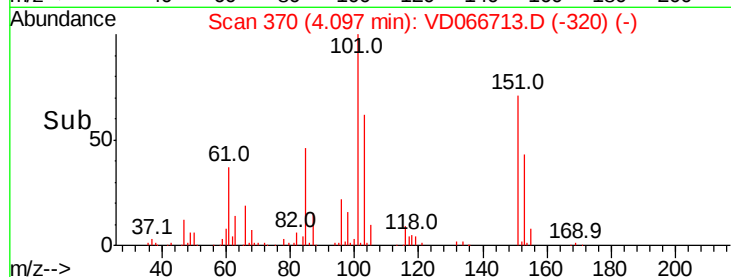
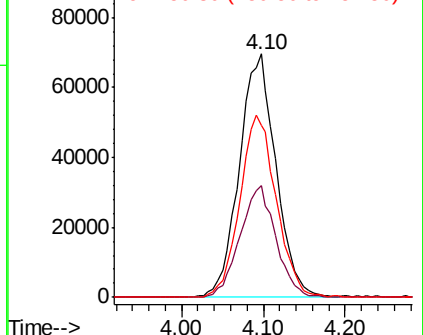
151 74.6 58.0 87.0



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: 42.954 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

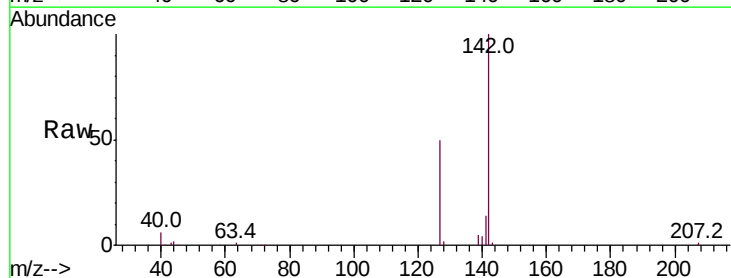
Tgt Ion:142 Resp: 198631

Ion Ratio Lower Upper

142 100

127 49.9 39.0 58.4

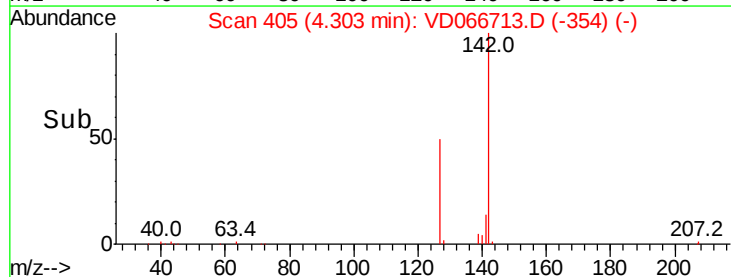
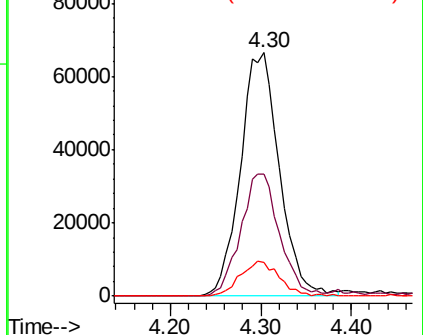
141 14.2 11.7 17.5

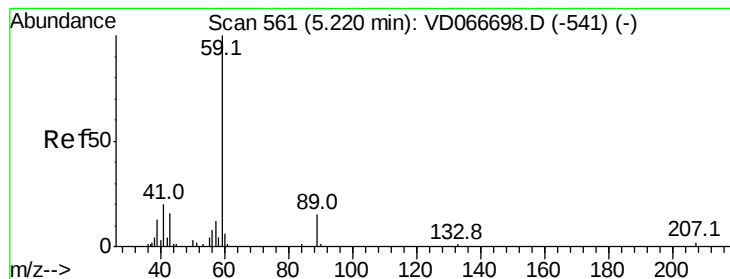


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 208.520 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

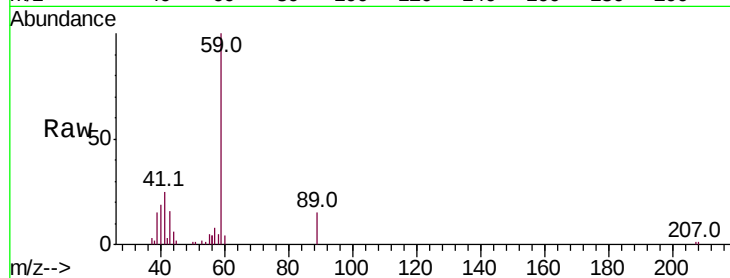
VSTDCCC050

Tot Ion: 59 Resp: 68678

Ion Ratio Lower Upper

59 100

57 6.4 6.7 10.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

20000

15000

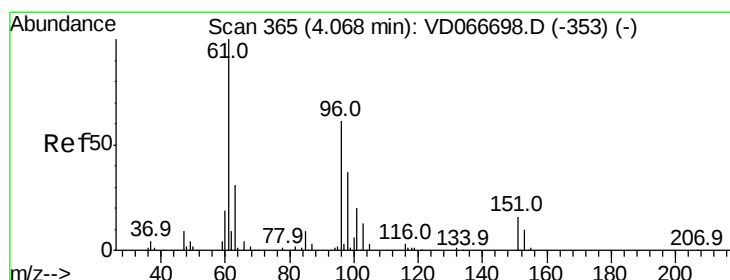
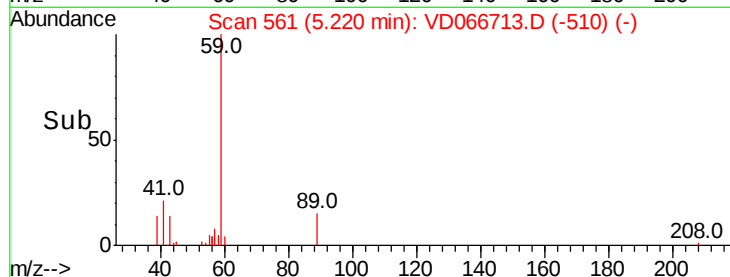
10000

5000

0

Time--> 5.00 5.10 5.20 5.30 5.40

5.22



#12

1,1-Dichloroethene

Concen: 44.219 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

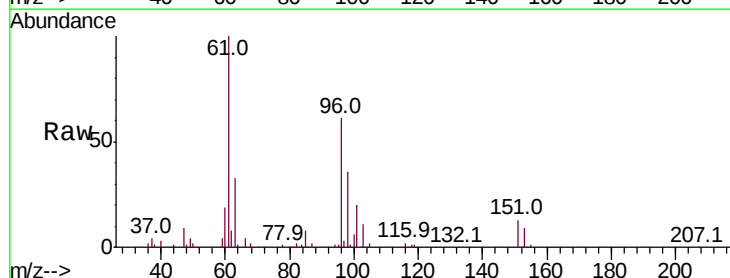
Tgt Ion: 96 Resp: 199475

Ion Ratio Lower Upper

96 100

61 164.0 131.9 197.9

98 59.2 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

150000

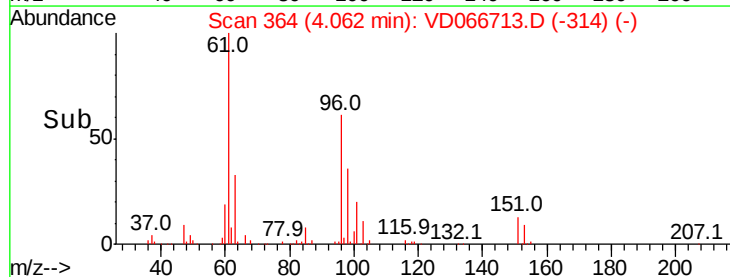
100000

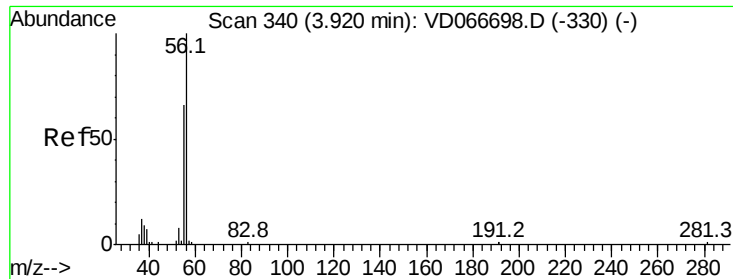
50000

0

Time--> 3.90 4.00 4.10 4.20

4.06





#13

Acrolein

Concen: 232.821 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

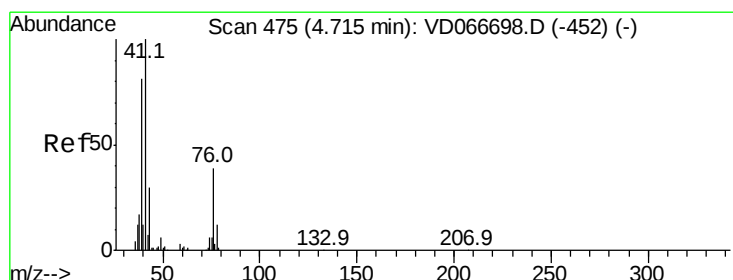
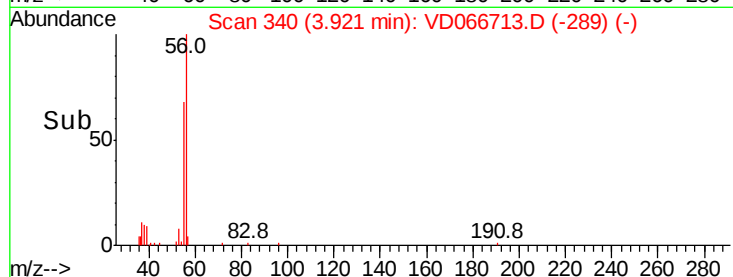
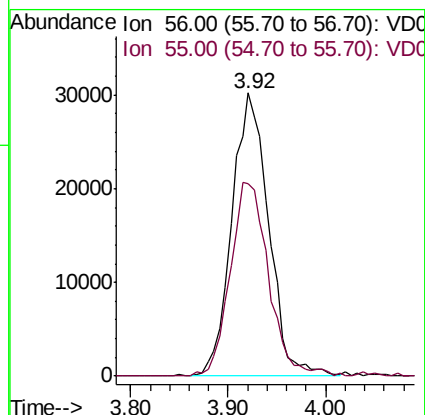
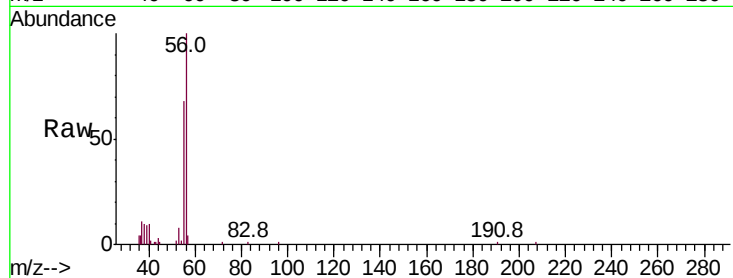
VSTDCCC050

Tot Ion: 56 Resp: 78983

Ion Ratio Lower Upper

56 100

55 70.4 54.7 82.1



#14

Allyl chloride

Concen: 44.486 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

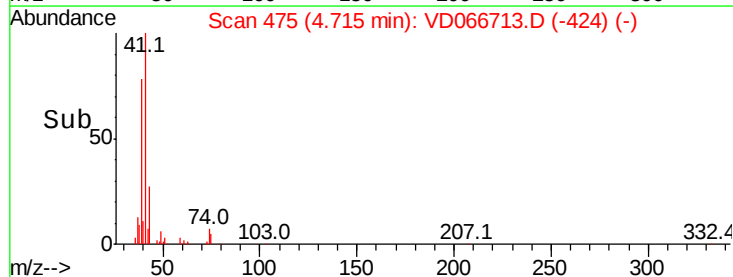
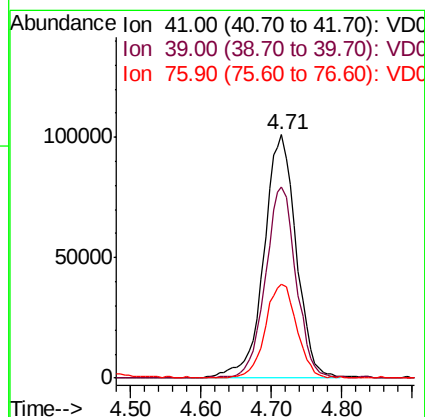
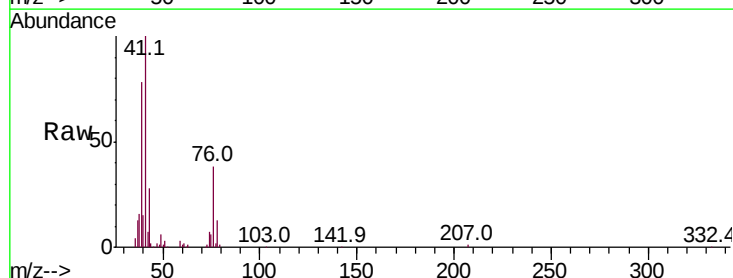
Tgt Ion: 41 Resp: 322278

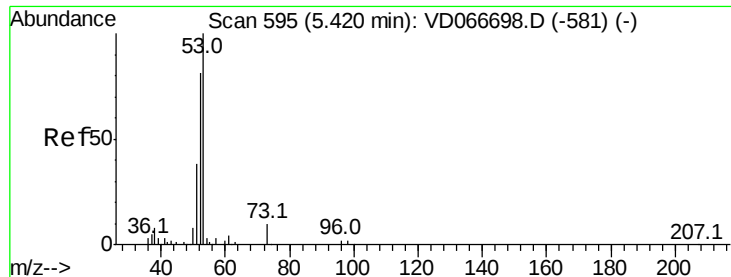
Ion Ratio Lower Upper

41 100

39 74.9 60.6 90.8

76 37.6 29.2 43.8





#15

Acrylonitrile

Concen: 220.705 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

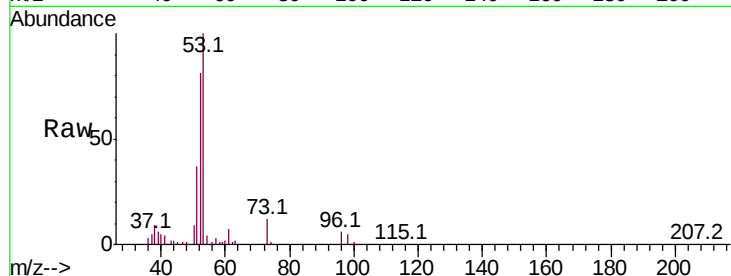
Tot Ion: 53 Resp: 214706

Ion Ratio Lower Upper

53 100

52 82.4 66.6 99.8

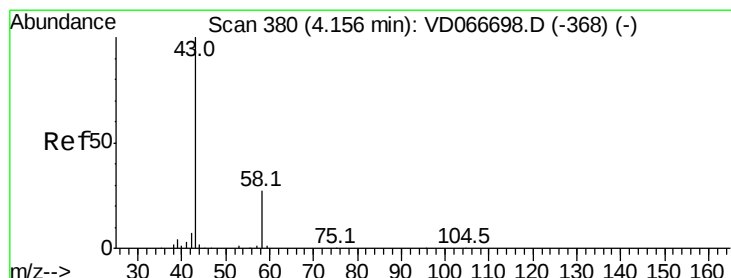
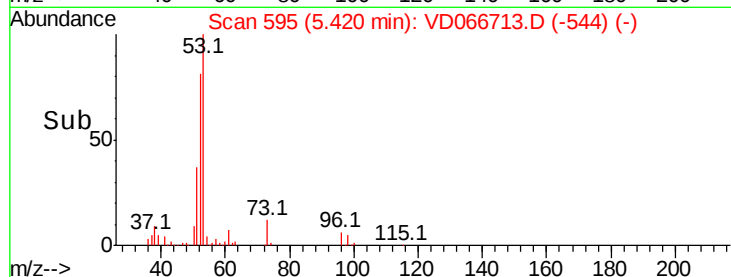
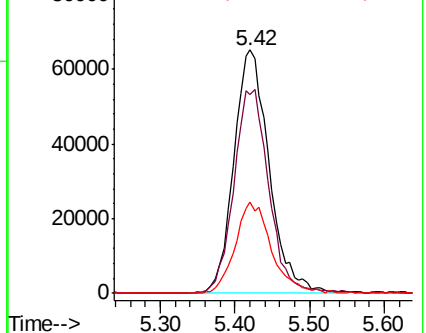
51 38.3 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 282.534 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066713.D

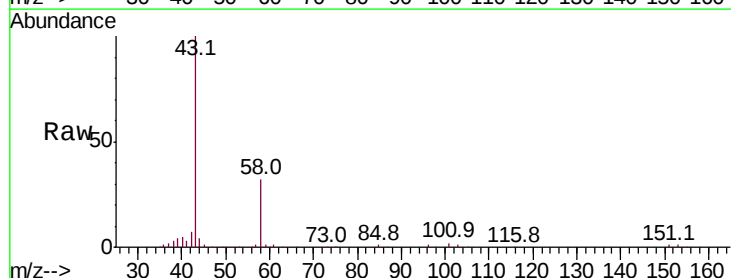
Acq: 16 Sep 2020 12:09

Tgt Ion: 43 Resp: 276747

Ion Ratio Lower Upper

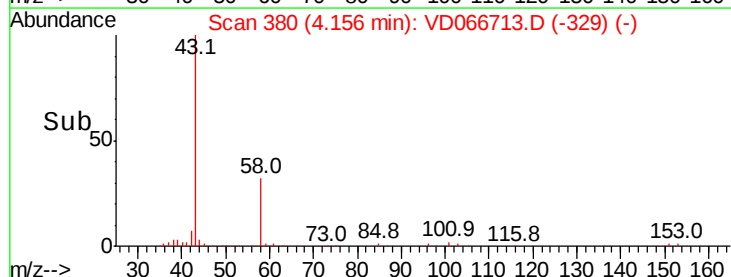
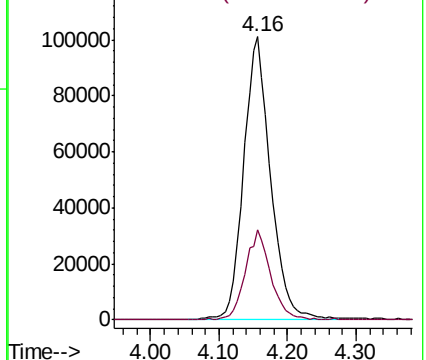
43 100

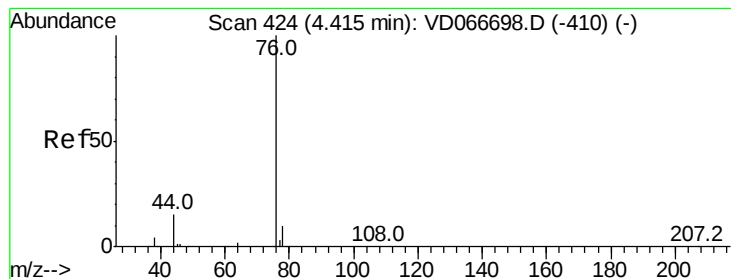
58 31.9 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 45.014 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

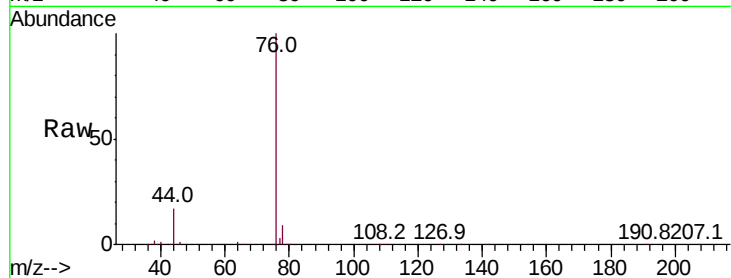
VSTDCCC050

Tot Ion: 76 Resp: 638079

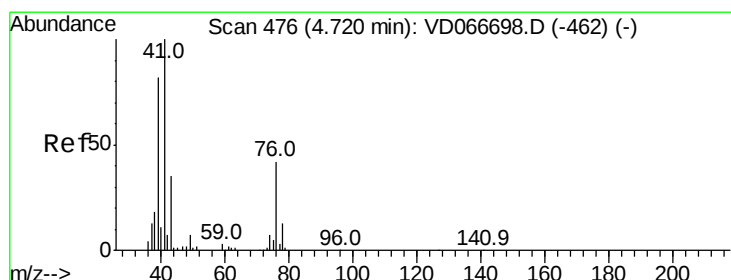
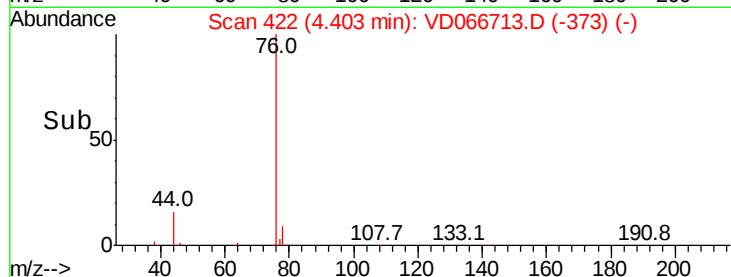
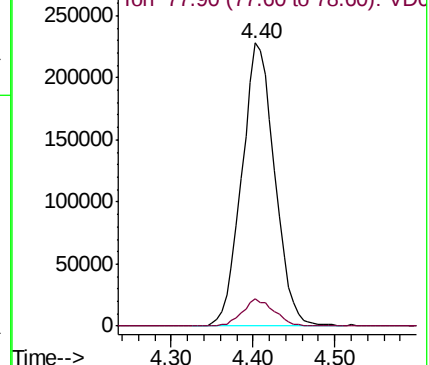
Ion Ratio Lower Upper

76 100

78 9.5 8.0 12.0



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.172 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD066713.D

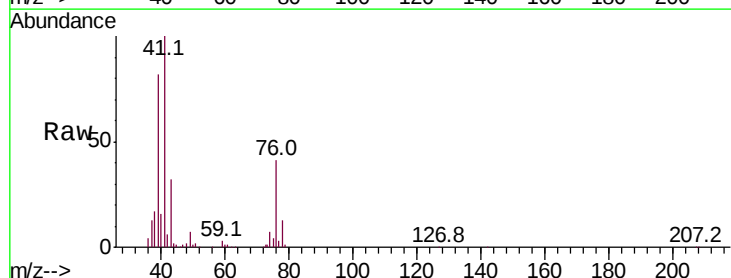
Acq: 16 Sep 2020 12:09

Tgt Ion: 43 Resp: 95170

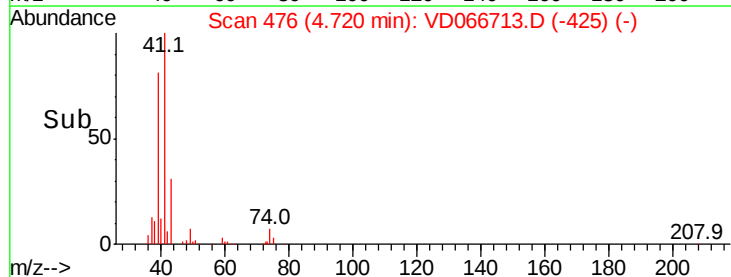
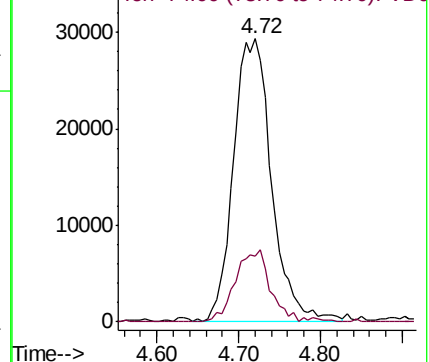
Ion Ratio Lower Upper

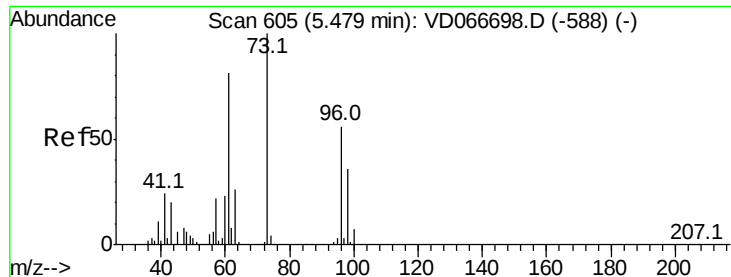
43 100

74 23.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

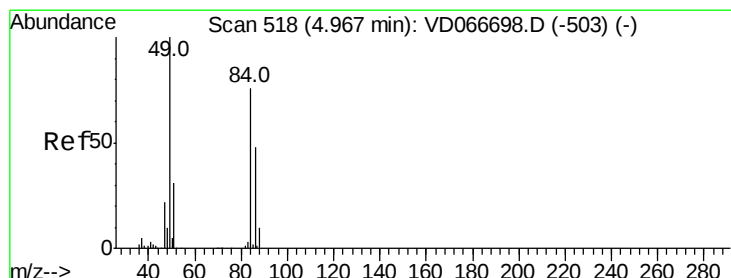
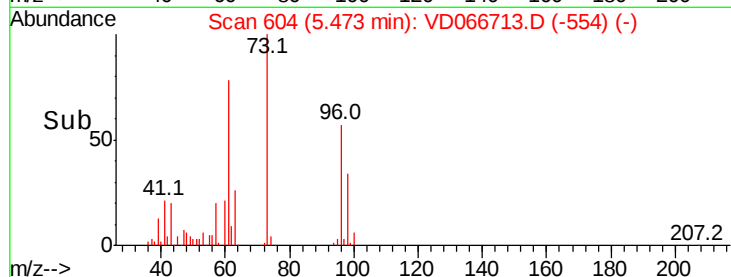
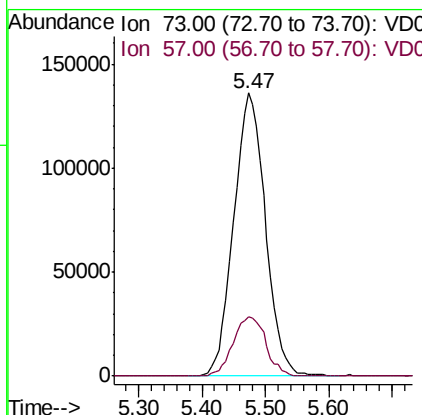
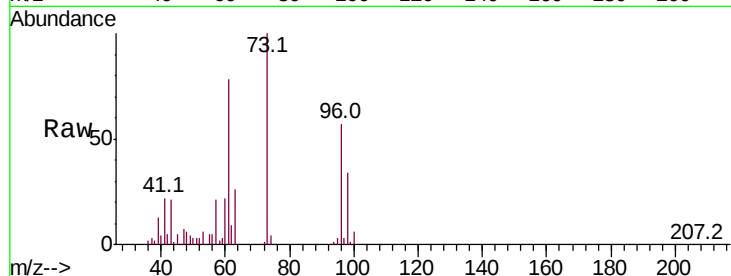




#19
Methvl tert-butvl Ether
Concen: 46.790 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

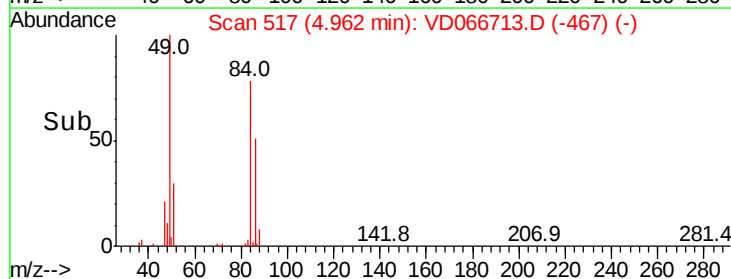
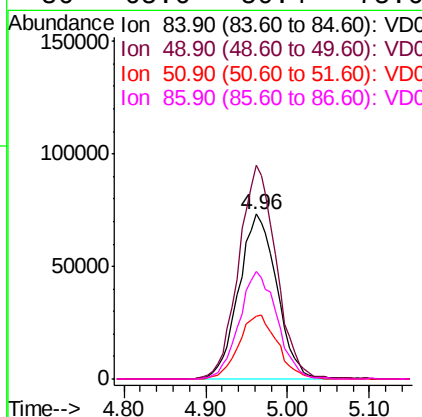
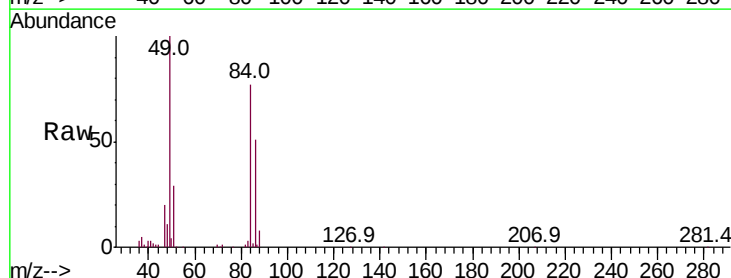
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

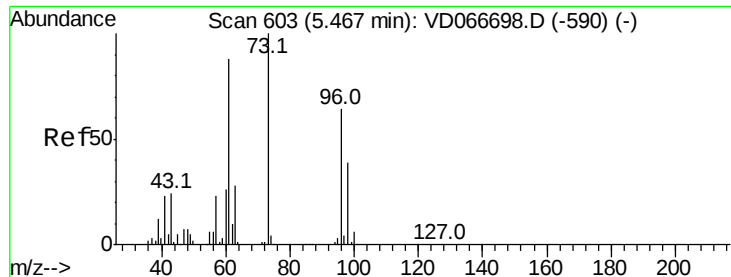
Tot Ion: 73 Resp: 470140
Ion Ratio Lower Upper
73 100
57 20.8 17.8 26.6



#20
Methylene Chloride
Concen: 44.285 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 84 Resp: 237607
Ion Ratio Lower Upper
84 100
49 129.8 105.0 157.6
51 38.3 32.2 48.4
86 65.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 44.578 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

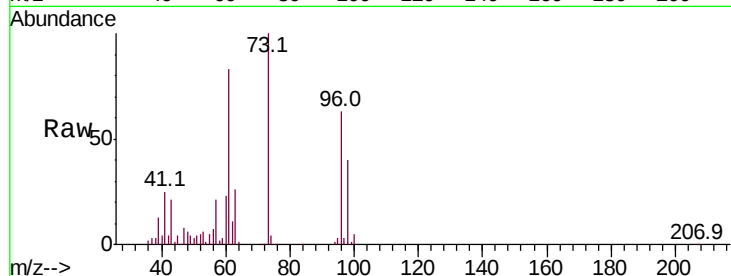
Tot Ion: 96 Resp: 234286

Ion Ratio Lower Upper

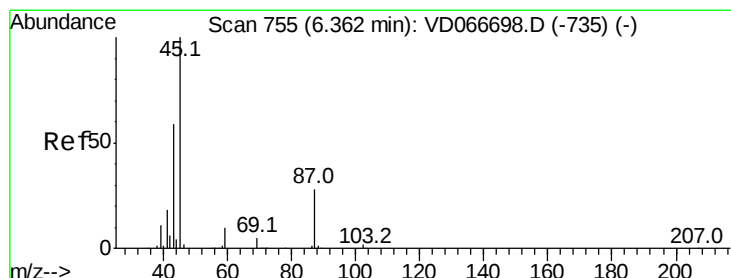
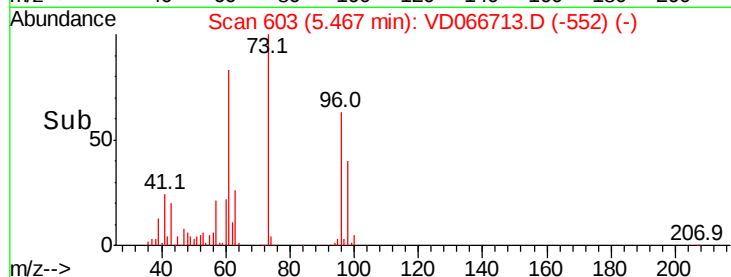
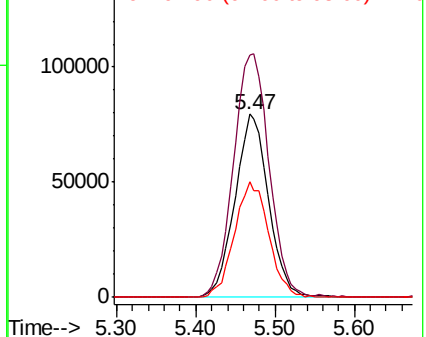
96 100

61 132.5 110.6 166.0

98 63.5 49.2 73.8



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



#22

Diisopropyl ether

Concen: 44.797 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion: 45 Resp: 659432

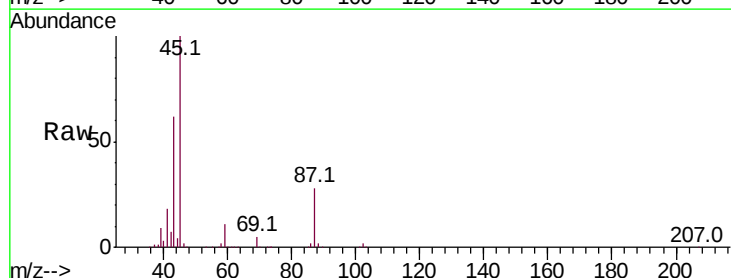
Ion Ratio Lower Upper

45 100

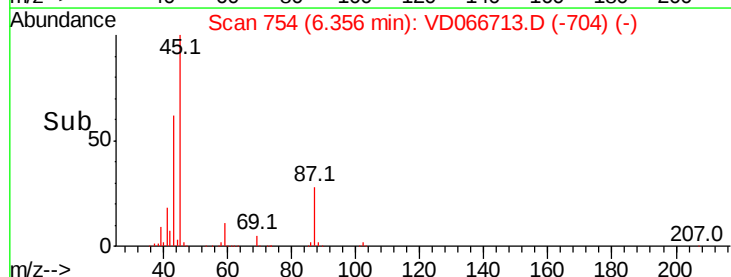
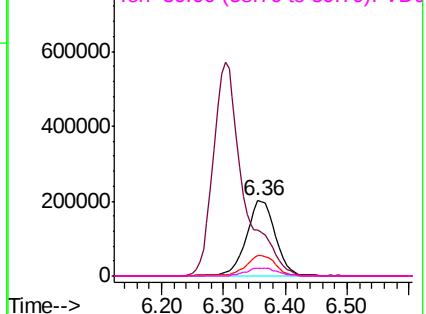
43 60.7 46.9 70.3

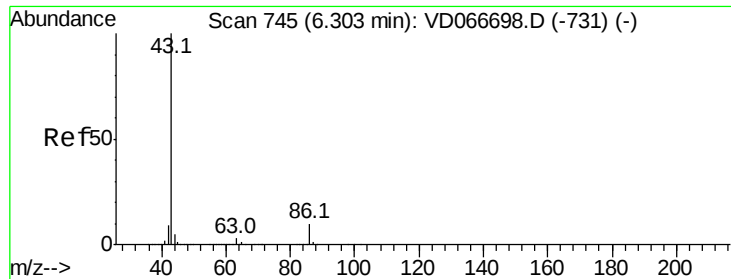
87 27.7 22.4 33.6

59 10.7 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC

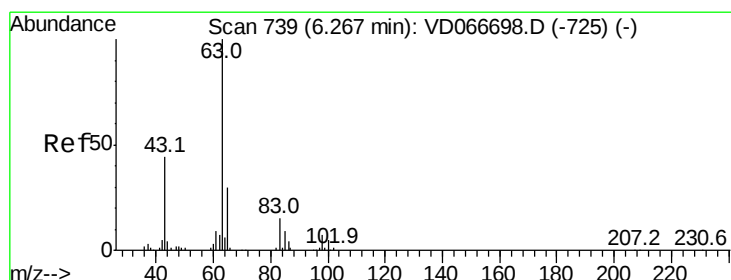
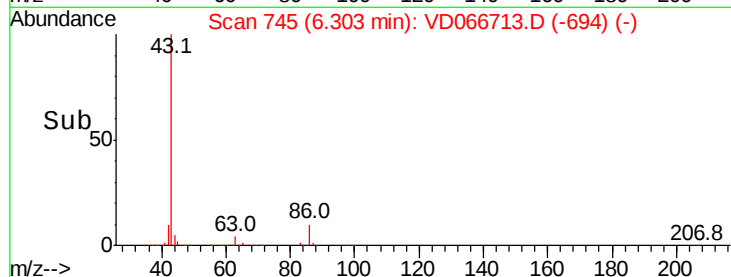
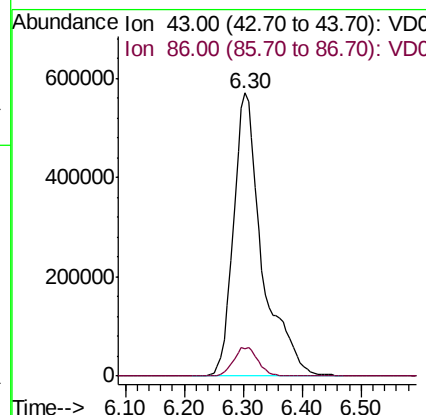
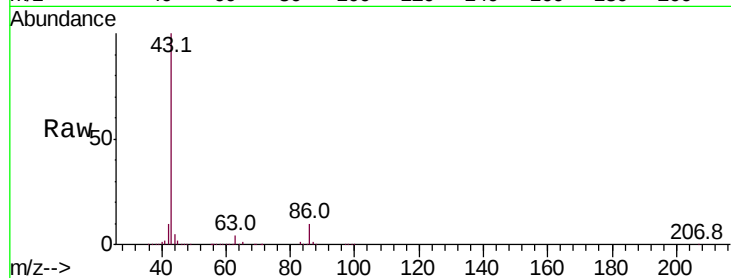




#23
 Vinyl Acetate
 Concen: 235.953 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

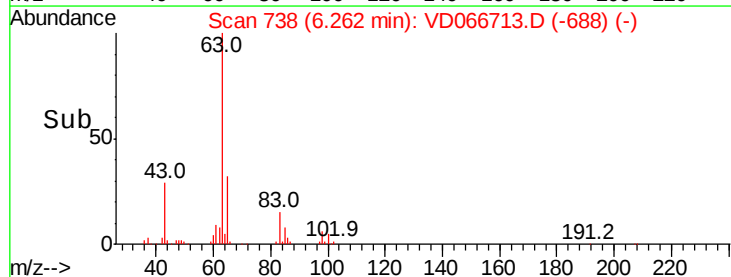
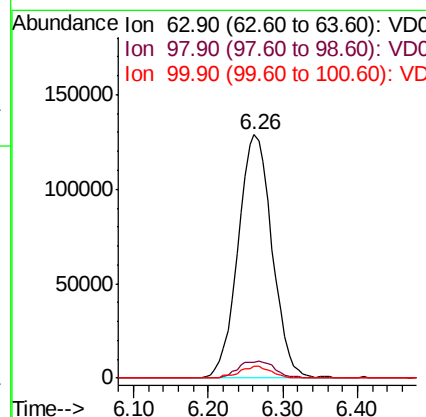
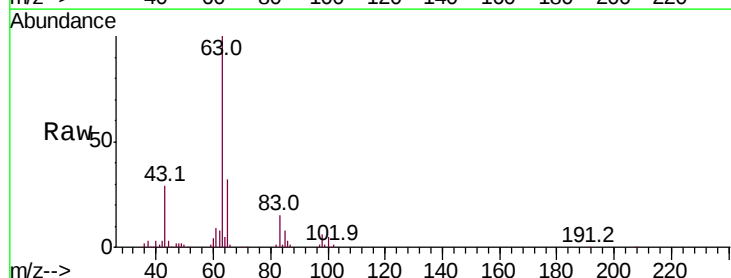
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

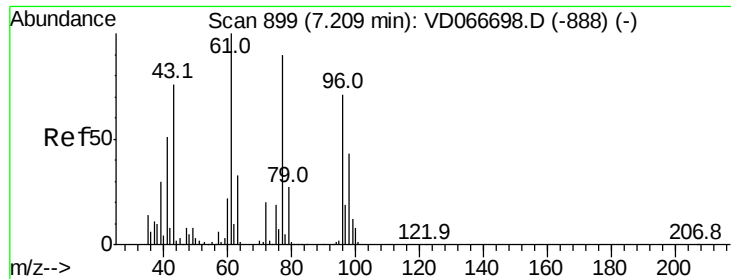
Tot Ion: 43 Resp: 1932019
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 43.641 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion: 63 Resp: 407659
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.4 10.2
 100 4.9 2.6 8.0

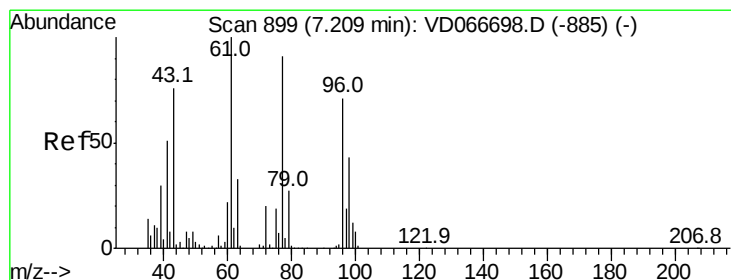
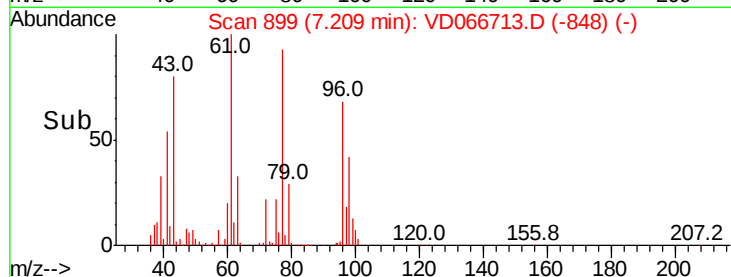
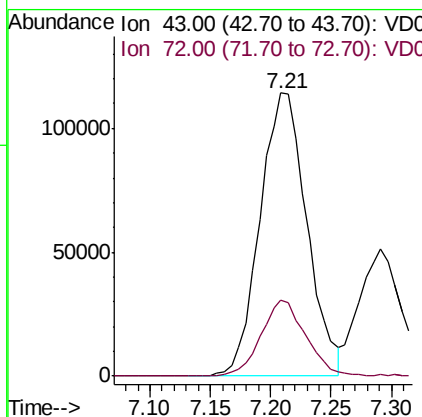
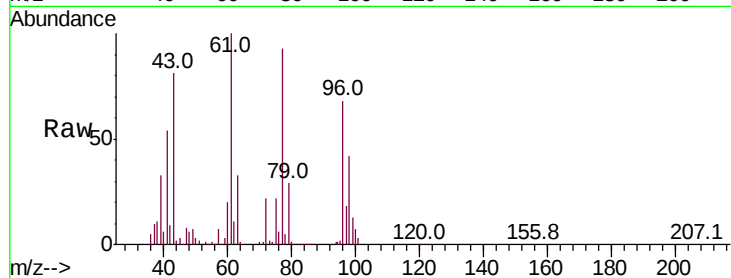




#25
 2-Butanone
 Concen: 240.554 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

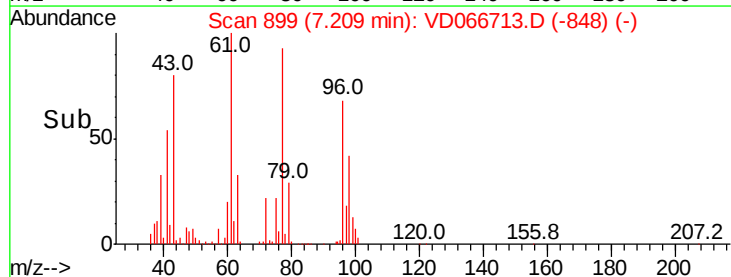
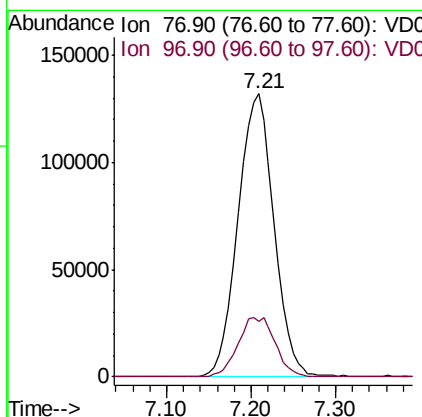
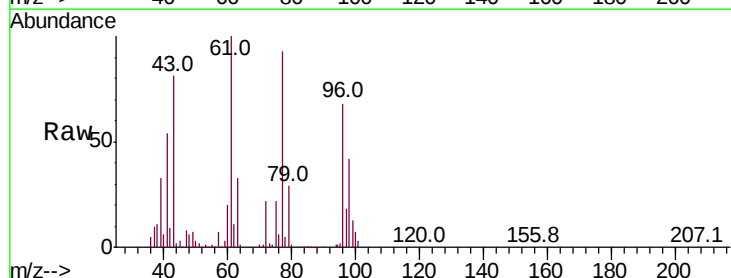
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

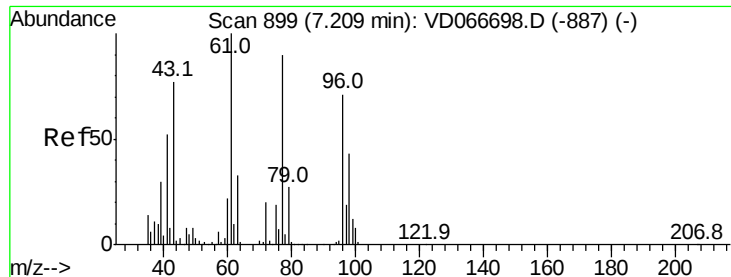
Tot Ion: 43 Resp: 306821
 Ion Ratio Lower Upper
 43 100
 72 26.9 21.0 31.4



#26
 2,2-Dichloropropane
 Concen: 45.199 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion: 77 Resp: 390426
 Ion Ratio Lower Upper
 77 100
 97 21.7 10.6 31.8



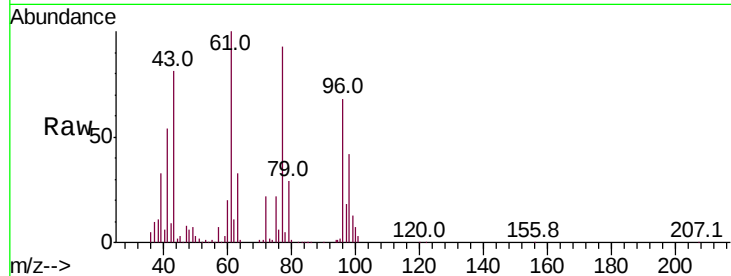


#27

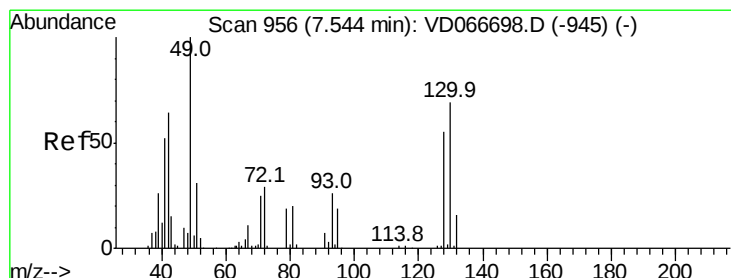
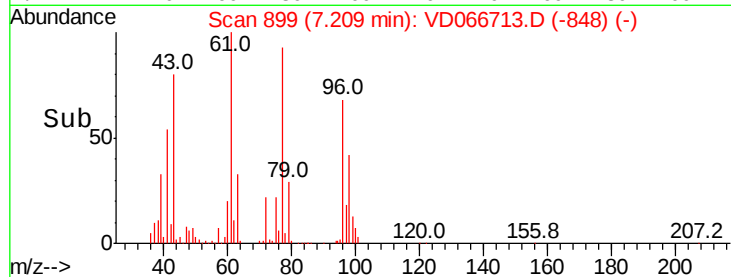
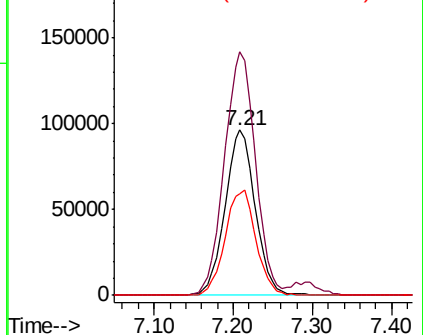
cis-1,2-Dichloroethene
 Concen: 43.933 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 252600
 Ion Ratio Lower Upper
 96 100
 61 151.8 0.0 292.4
 98 65.2 0.0 127.0



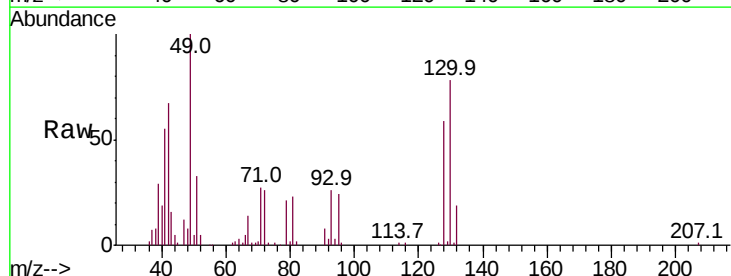
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



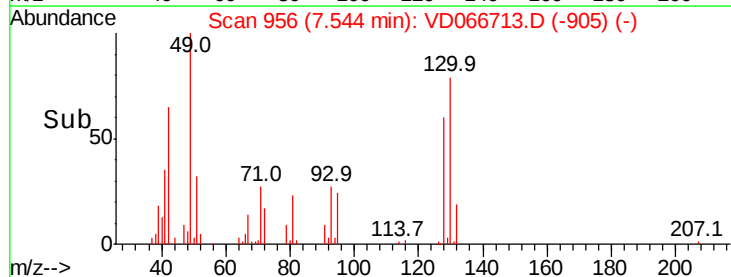
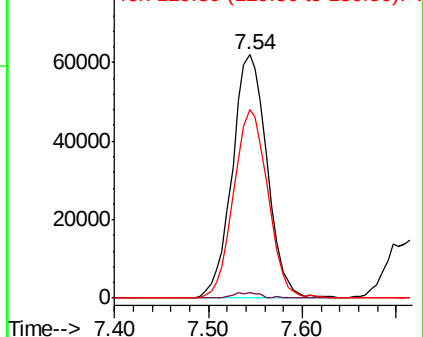
#28

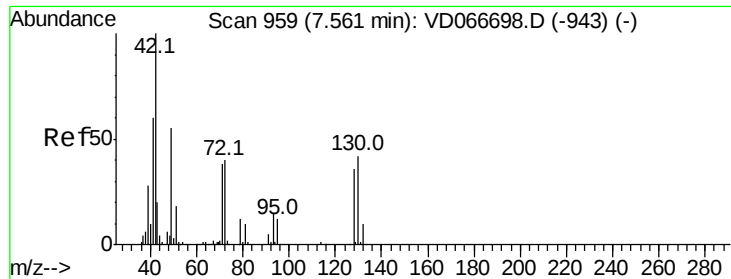
Bromochloromethane
 Concen: 45.802 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion: 49 Resp: 159805
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 76.1 58.6 88.0



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

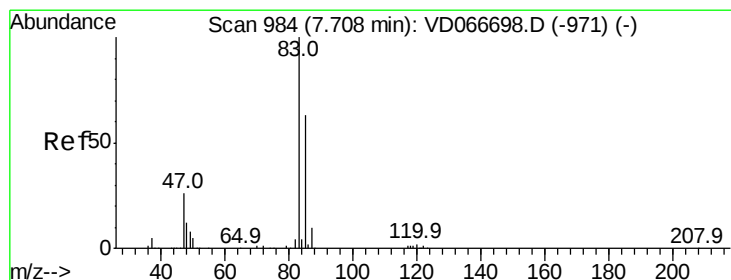
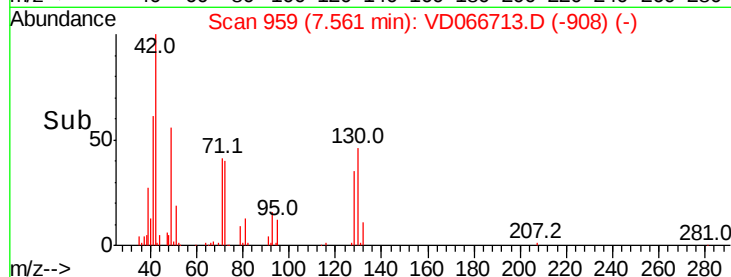
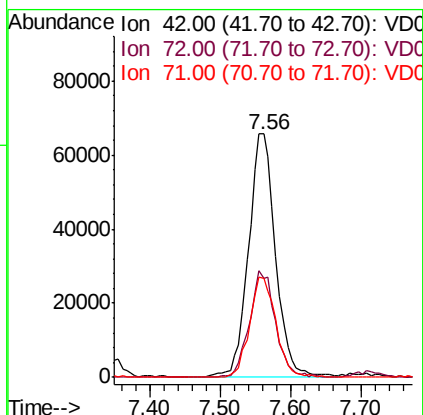
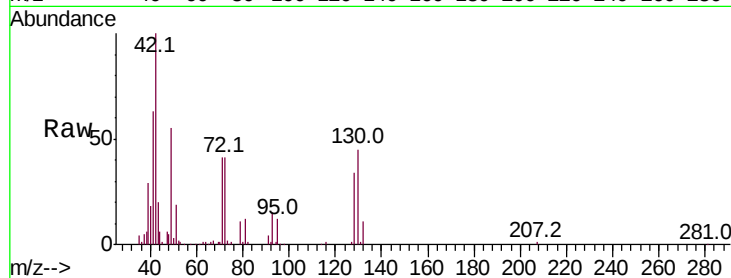




#29
Tetrahydrofuran
Concen: 225.812 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

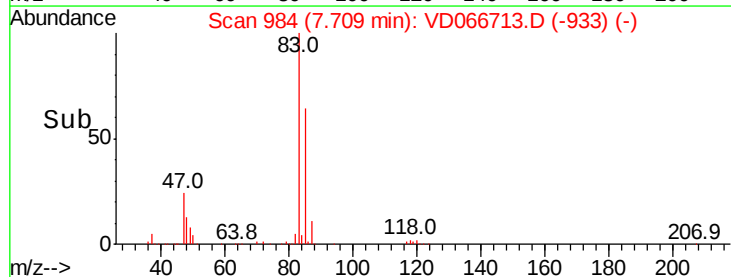
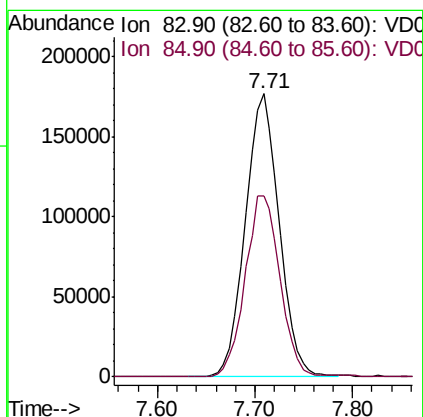
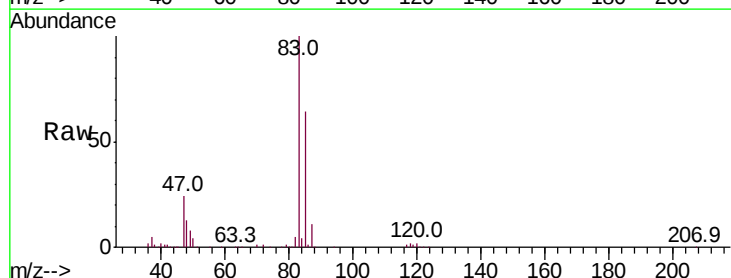
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

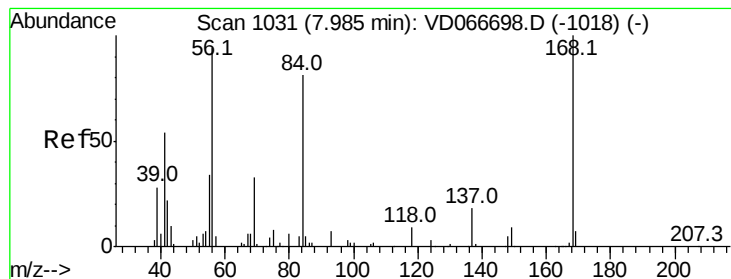
Tot Ion: 42 Resp: 176219
Ion Ratio Lower Upper
42 100
72 41.9 32.6 48.8
71 40.1 30.6 45.8



#30
Chloroform
Concen: 43.271 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 83 Resp: 430181
Ion Ratio Lower Upper
83 100
85 64.0 50.6 76.0





#31

Cyclohexane

Concen: 45.457 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

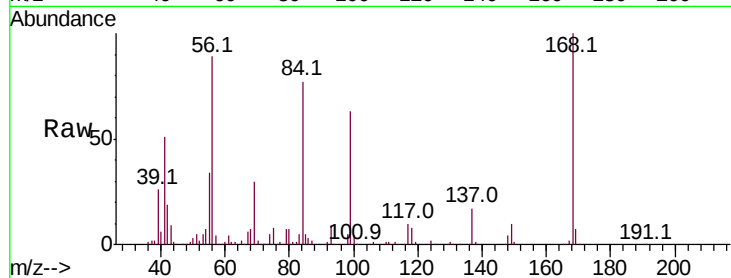
Tot Ion: 56 Resp: 386231

Ion Ratio Lower Upper

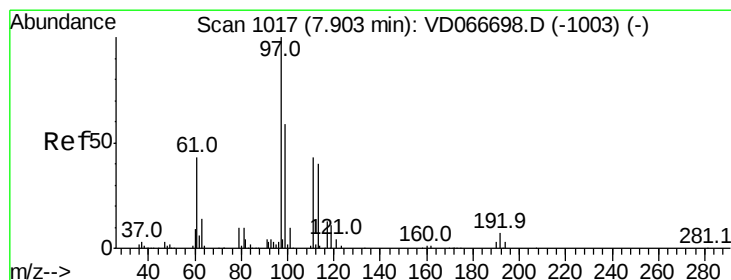
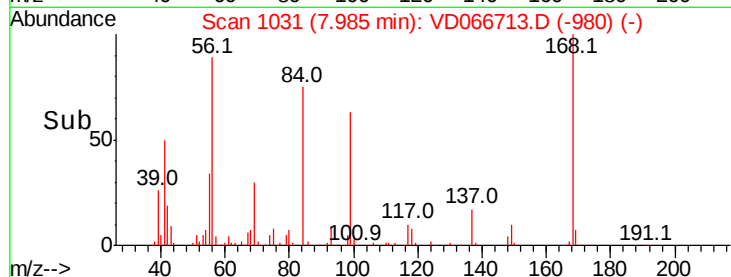
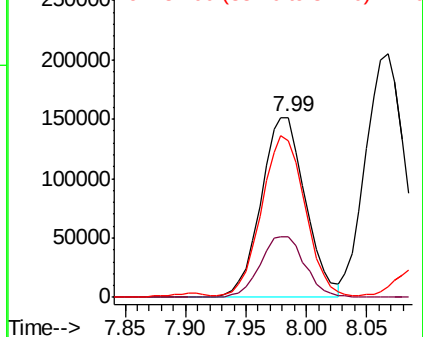
56 100

69 33.5 27.7 41.5

84 85.0 68.5 102.7



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: 45.365 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

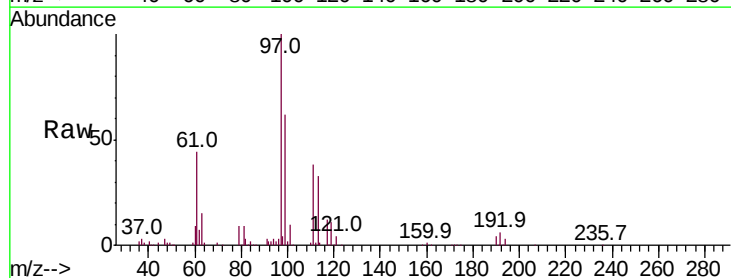
Tgt Ion: 97 Resp: 412695

Ion Ratio Lower Upper

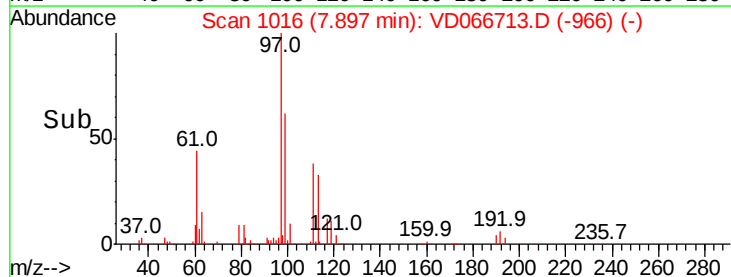
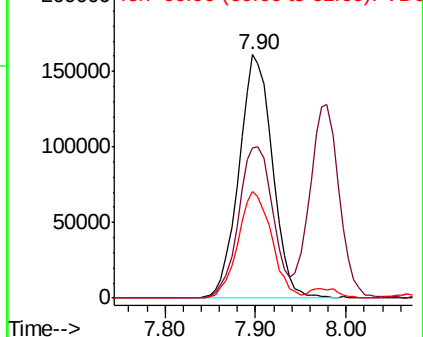
97 100

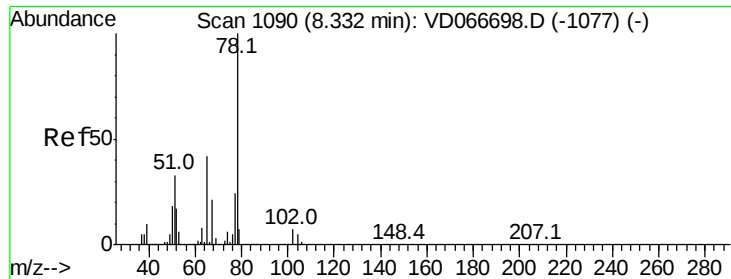
99 63.9 51.0 76.4

61 43.8 35.2 52.8



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

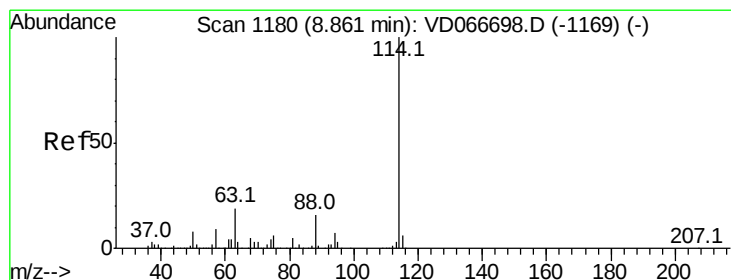
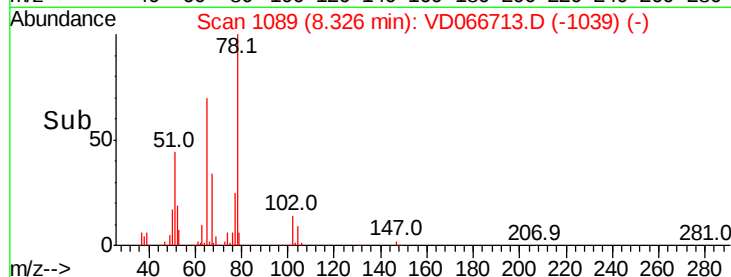
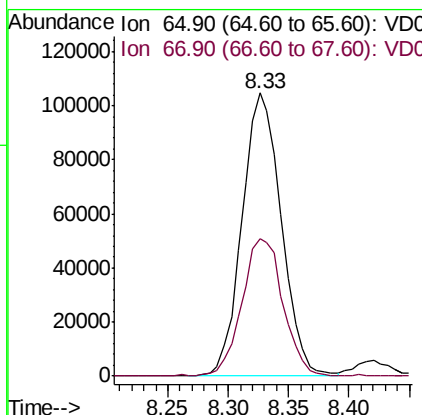
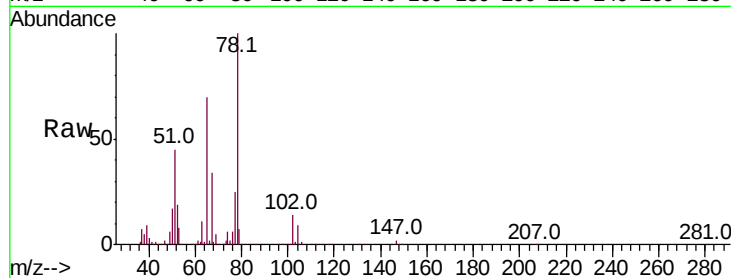




#33
 1,2-Dichloroethane-d4
 Concen: 49.233 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

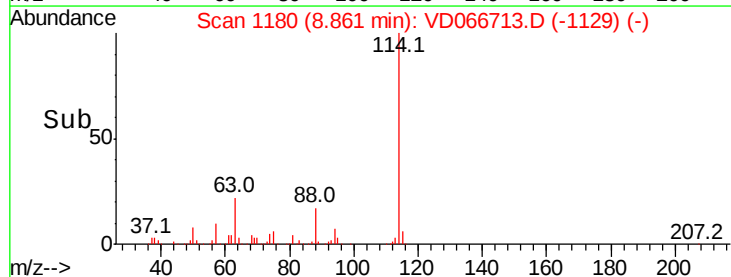
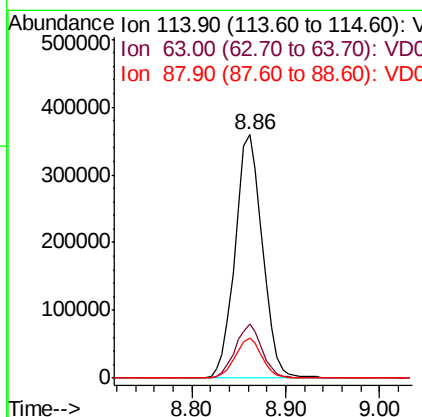
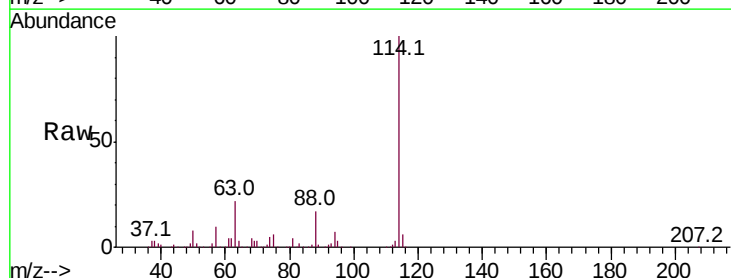
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

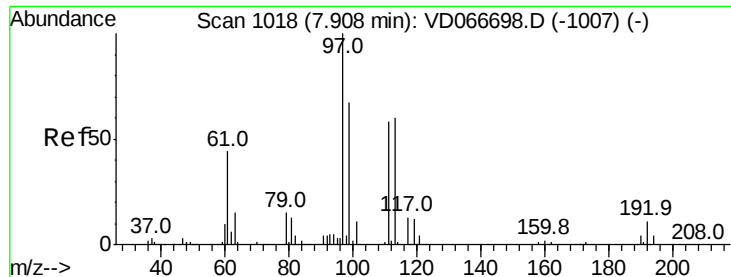
Tot Ion: 65 Resp: 236815
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion: 114 Resp: 725915
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 37.6
 88 16.7 0.0 32.2

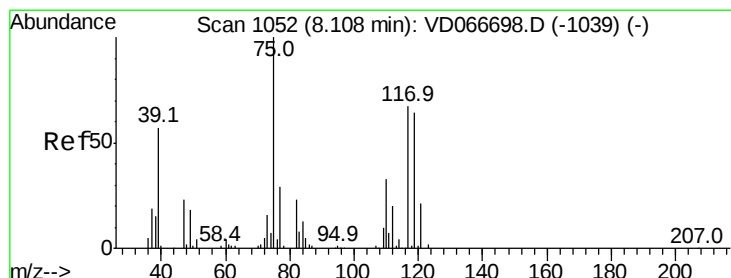
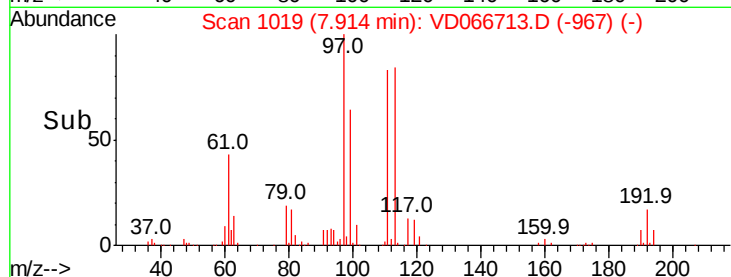
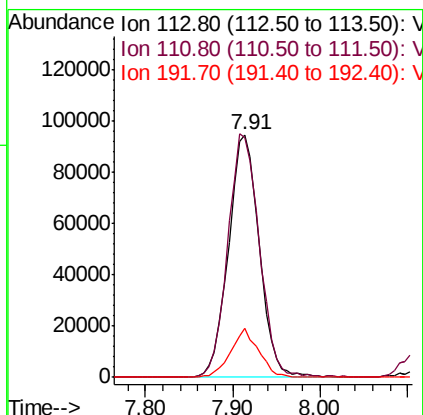
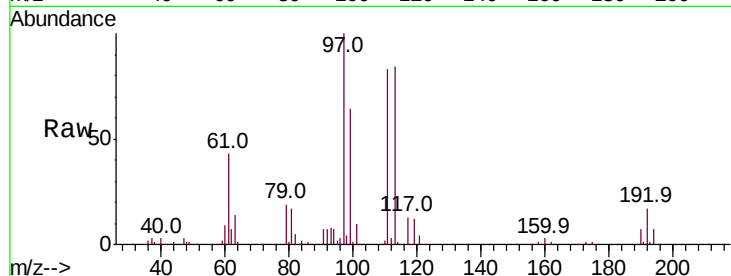




#35
 Dibromofluoromethane
 Concen: 50.687 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

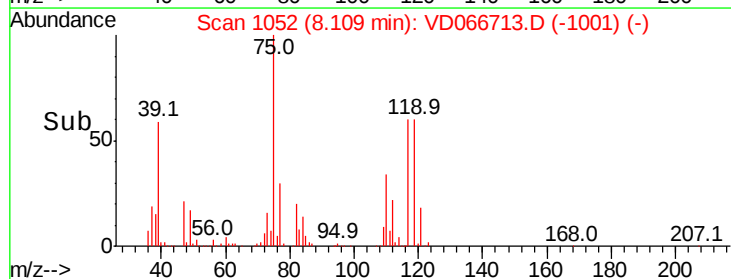
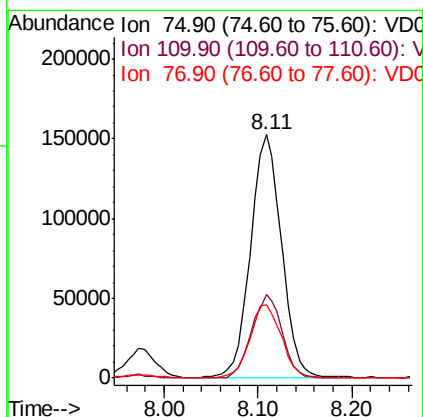
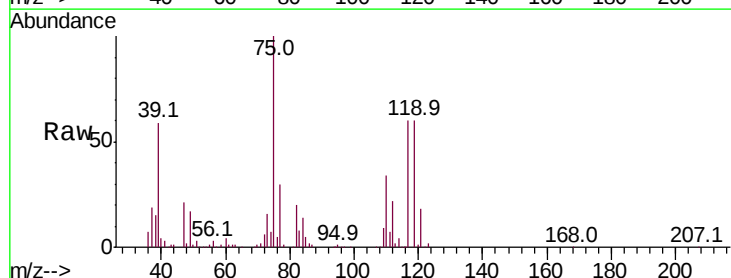
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

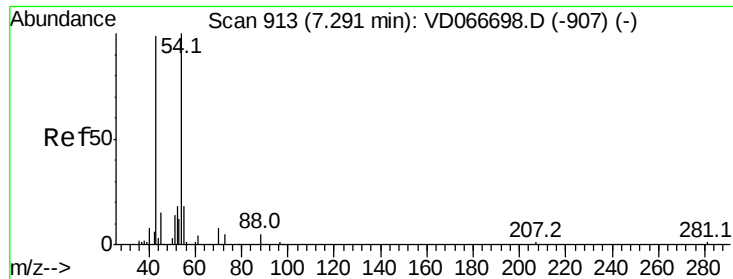
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.2	124.8
192	18.1	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 46.435 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.1	51.2
77	31.1	25.0	37.6

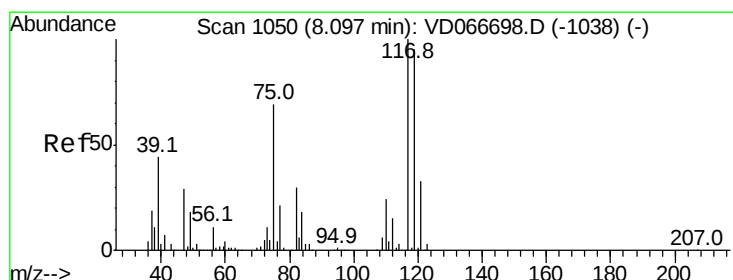
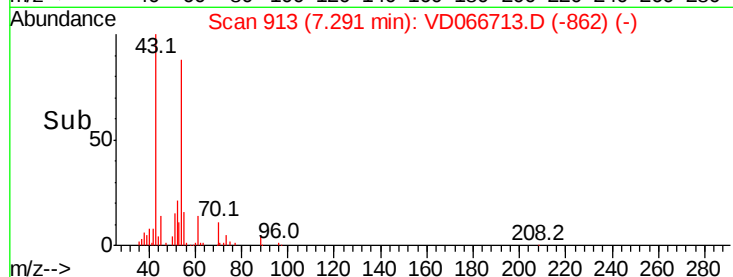
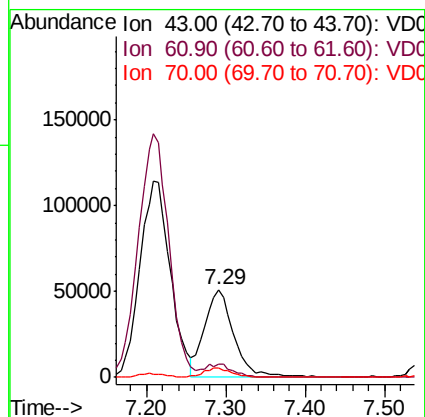
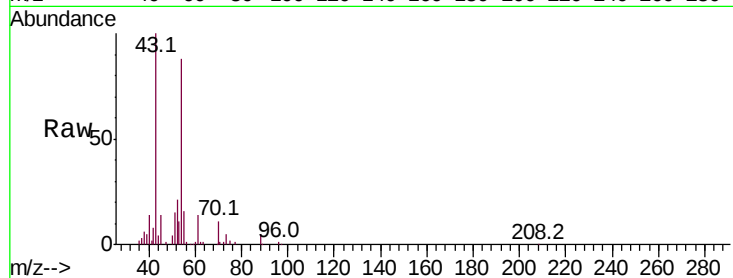




#37
Ethyl Acetate
Concen: 45.872 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

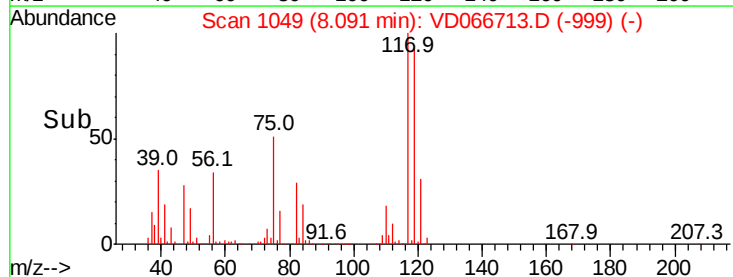
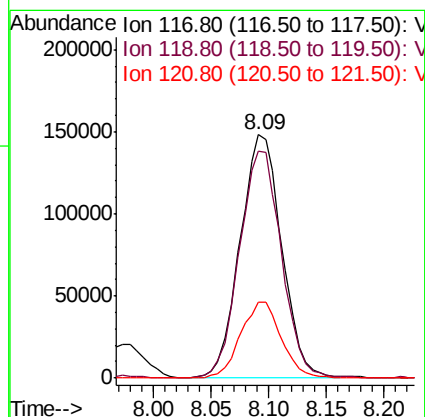
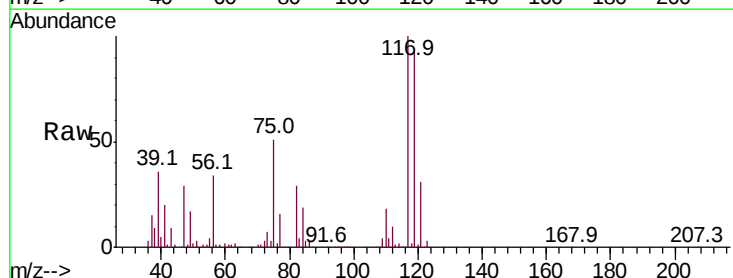
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

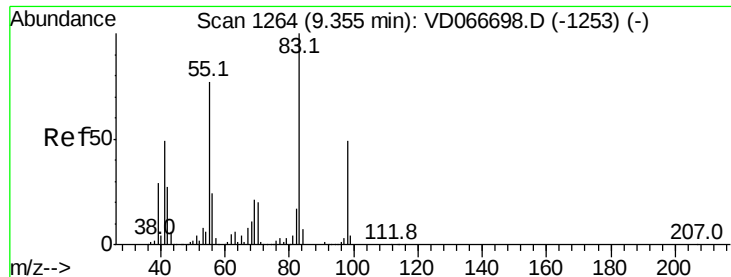
Tot Ion: 43 Resp: 129609
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 10.6 7.5 11.3



#38
Carbon Tetrachloride
Concen: 46.572 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 117 Resp: 369118
Ion Ratio Lower Upper
117 100
119 93.2 75.8 113.6
121 31.3 26.2 39.4

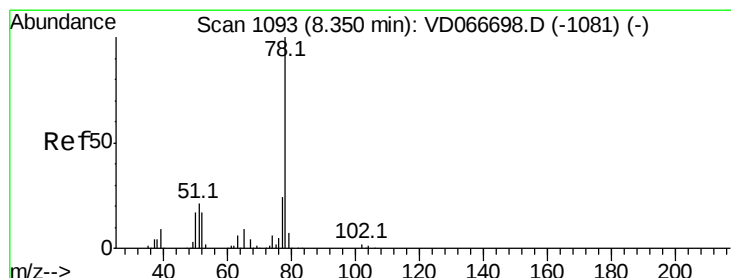
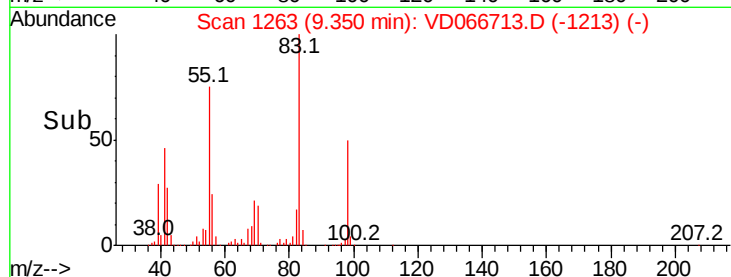
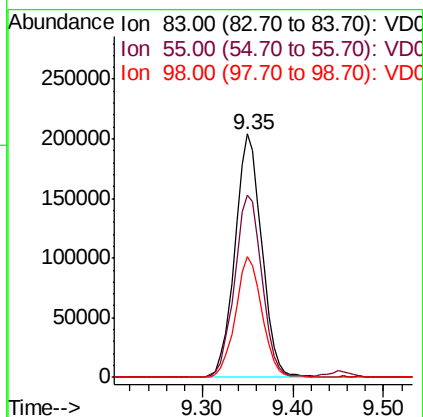
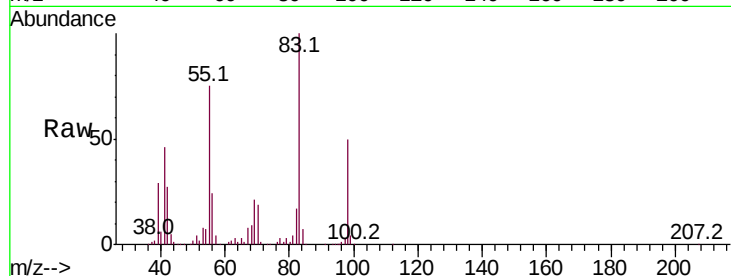




#39
Methvlcvclohexane
Concen: 49.159 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

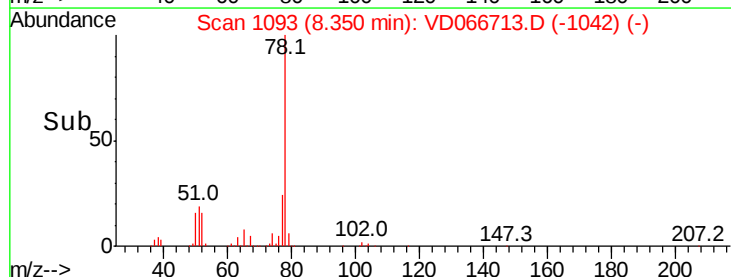
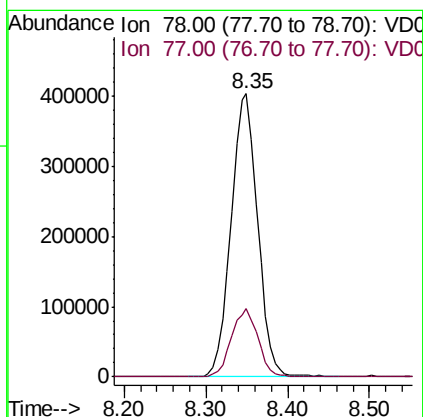
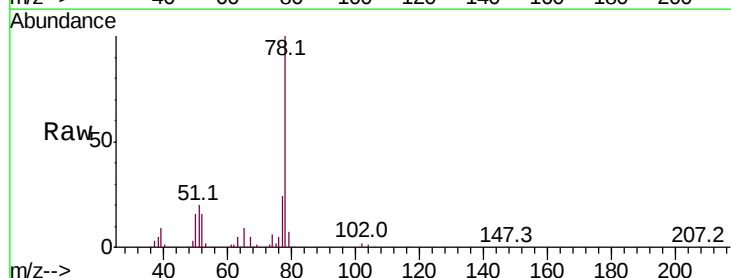
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

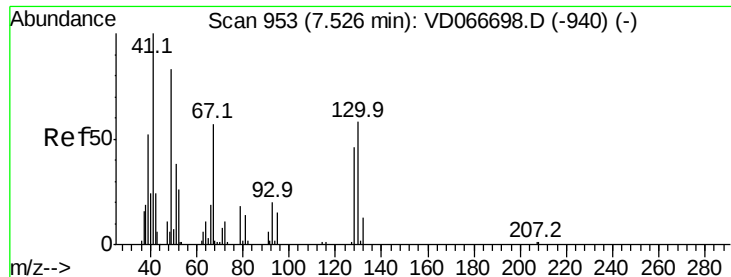
Tot Ion: 83 Resp: 419668
Ion Ratio Lower Upper
83 100
55 74.8 61.5 92.3
98 49.7 39.3 58.9



#40
Benzene
Concen: 45.107 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 78 Resp: 910789
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9

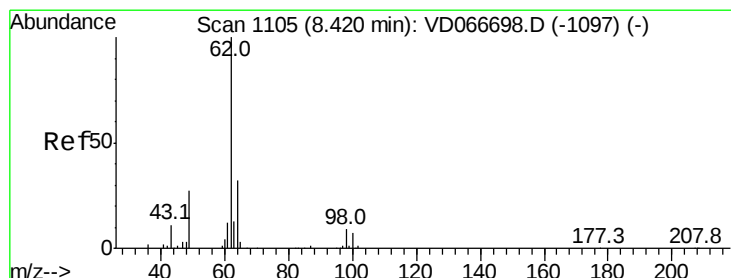
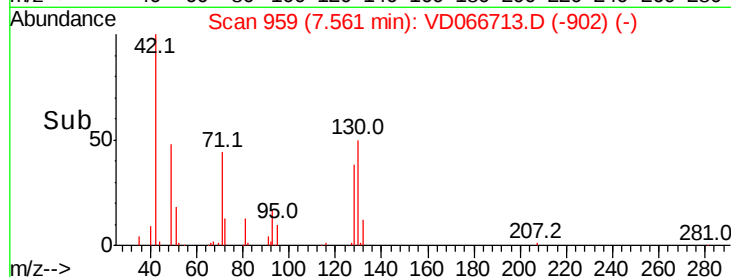
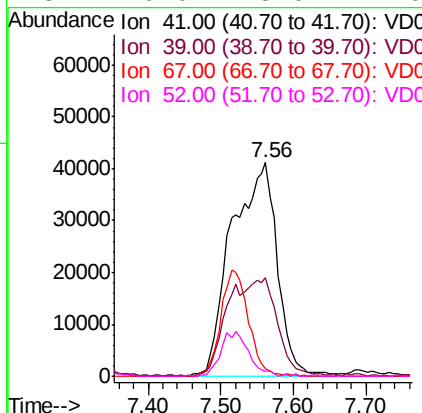
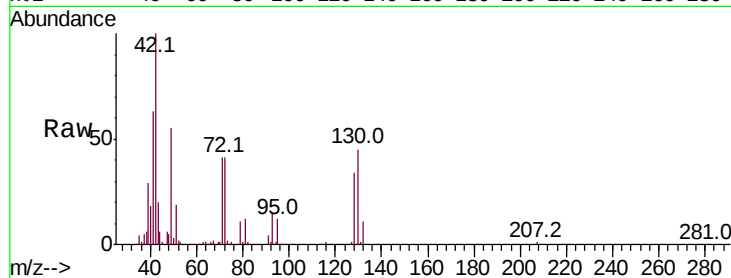




#41
Methacrylonitrile
Concen: 119.580 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

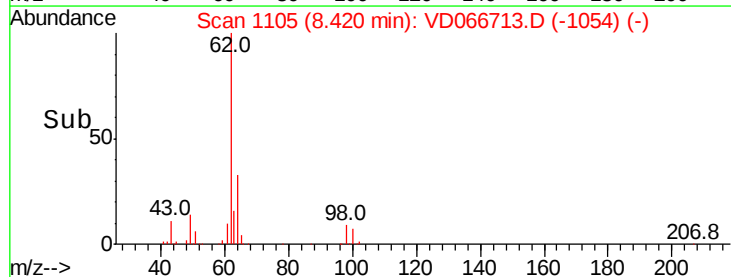
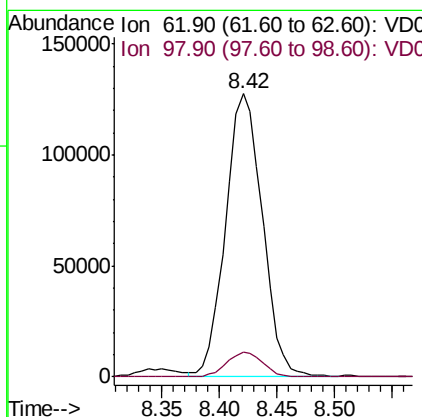
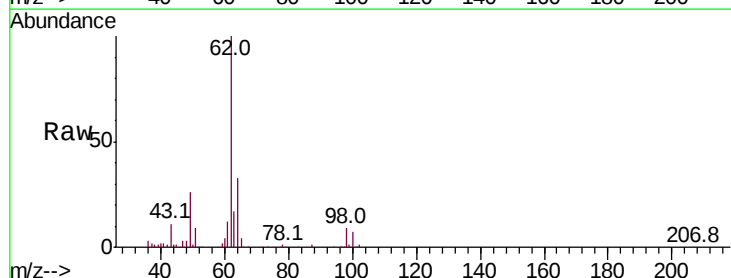
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

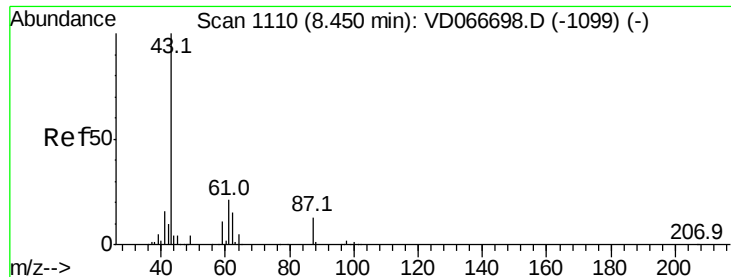
Tot Ion: 41 Resp: 178872
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
67 0.0 62.3 93.5#
52 0.0 28.0 42.0#



#42
1,2-Dichloroethane
Concen: 44.892 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 62 Resp: 280823
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.6





#43

Isopropyl Acetate

Concen: 45.742 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

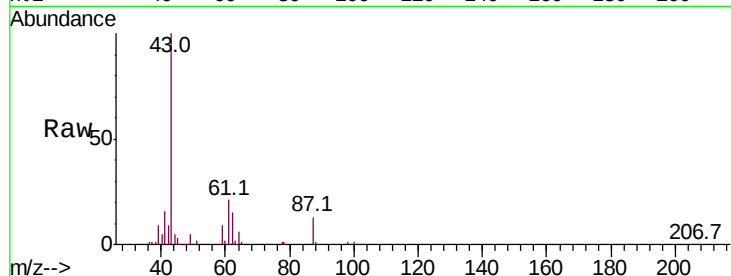
Tot Ion: 43 Resp: 243265

Ion Ratio Lower Upper

43 100

61 31.4 24.8 37.2

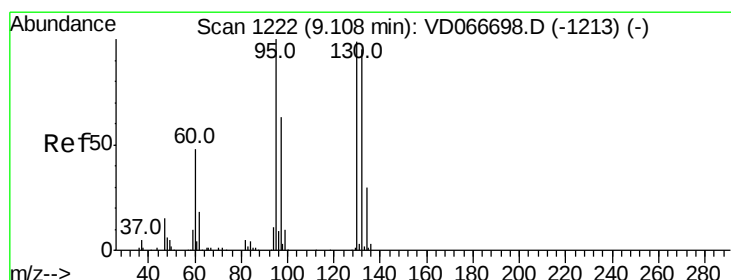
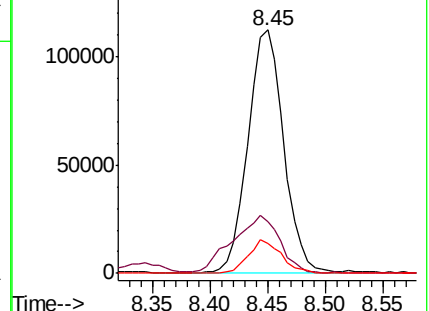
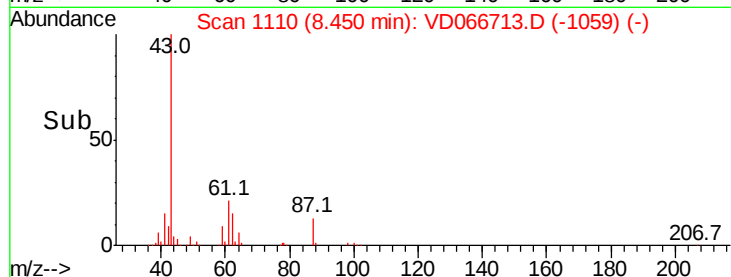
87 12.7 10.4 15.6



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: 45.615 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066713.D

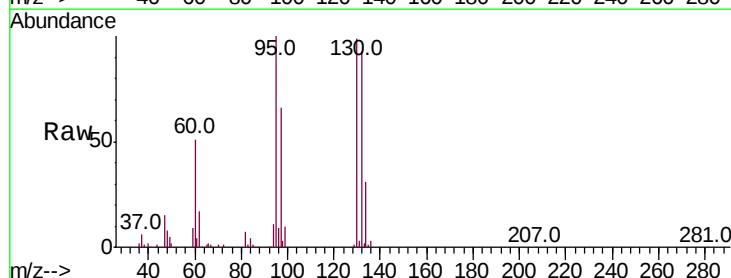
Acq: 16 Sep 2020 12:09

Tgt Ion:130 Resp: 246261

Ion Ratio Lower Upper

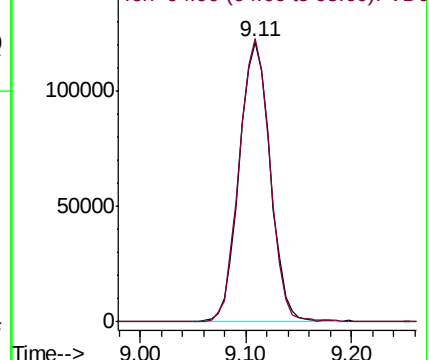
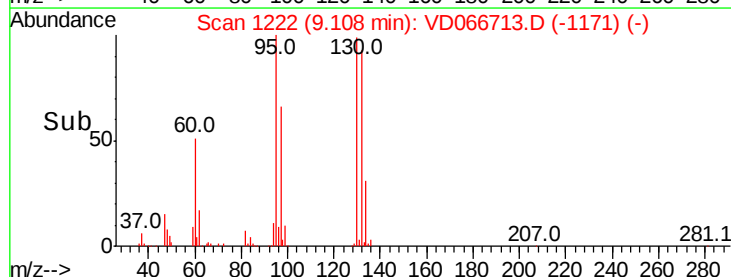
130 100

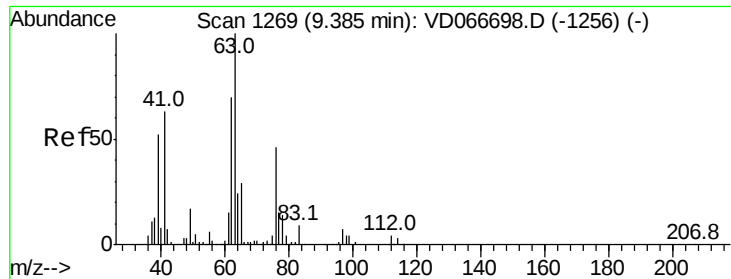
95 101.1 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

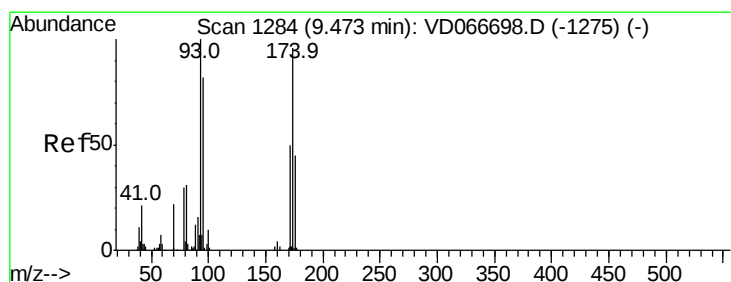
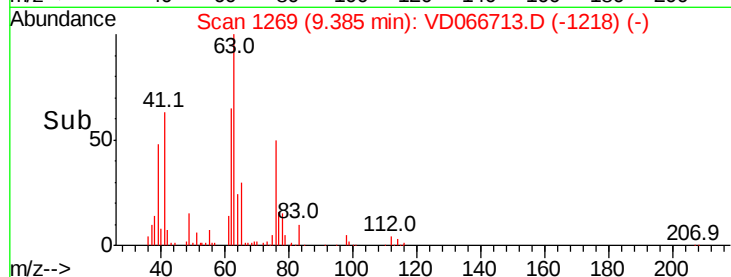
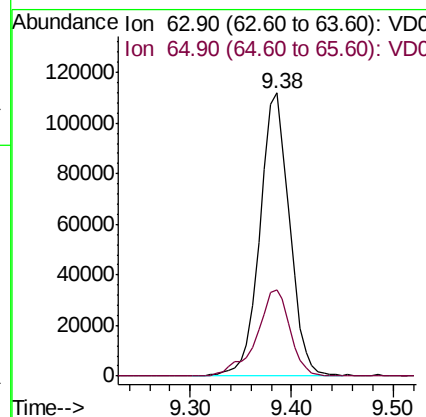
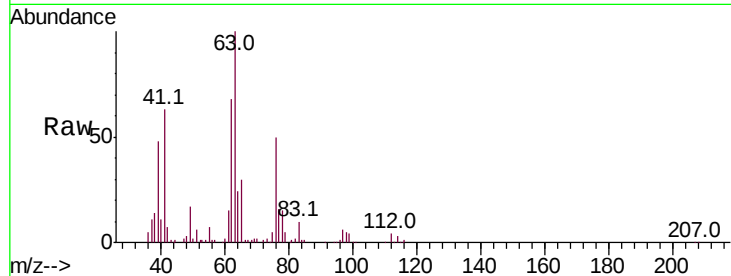




#45
 1,2-Dichloropropane
 Concen: 45.405 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

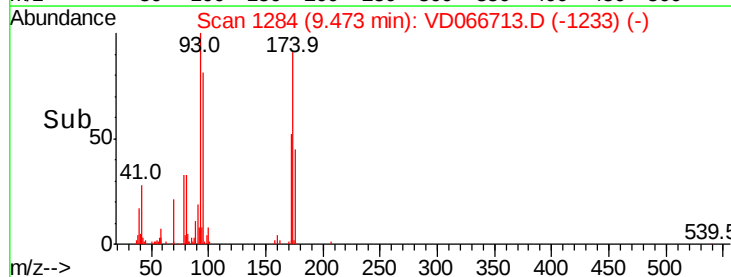
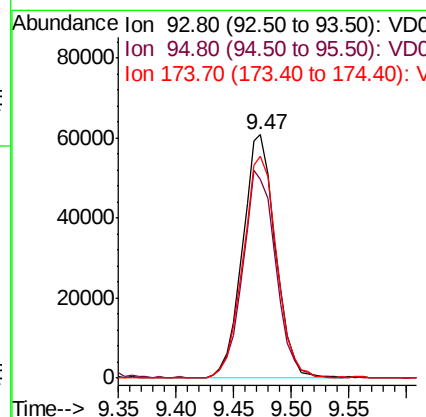
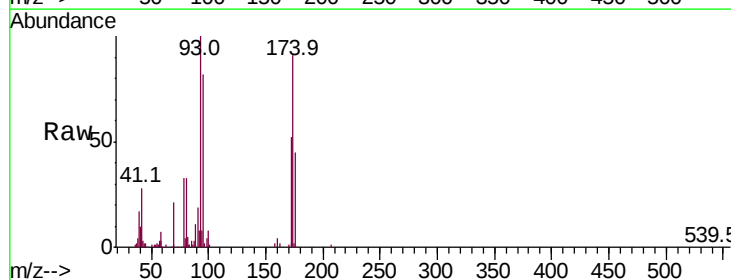
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

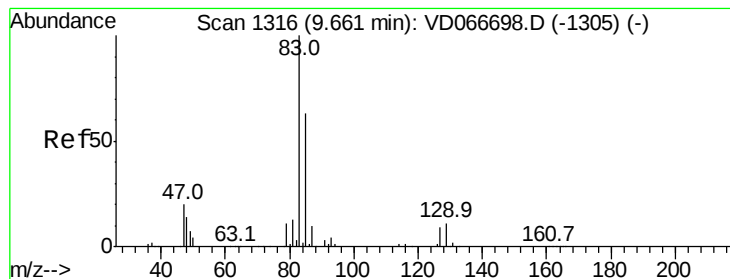
Tot Ion: 63 Resp: 226648
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.4 35.0



#46
 Dibromomethane
 Concen: 43.930 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion: 93 Resp: 120499
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.0 99.0
 174 93.6 72.3 108.5





#47

Bromodichloromethane

Concen: 44.938 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

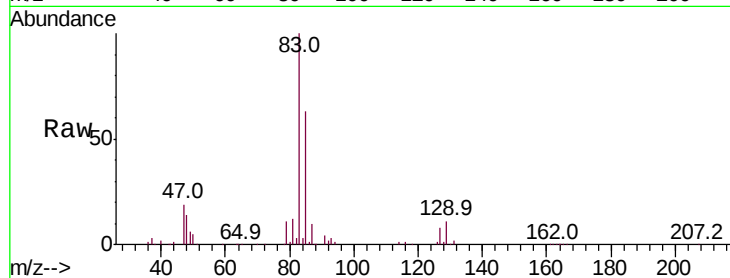
Tot Ion: 83 Resp: 335885

Ion Ratio Lower Upper

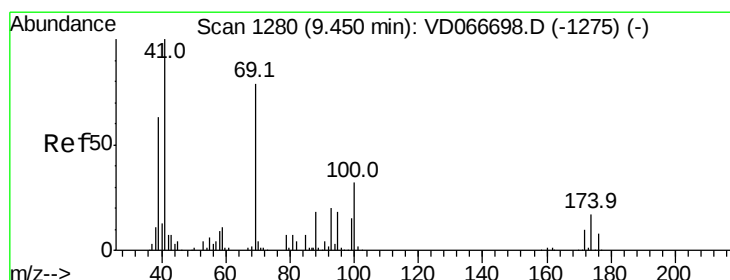
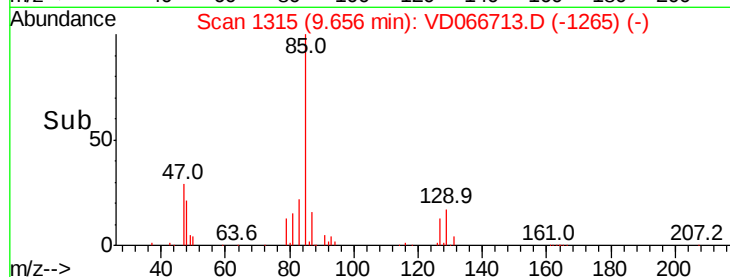
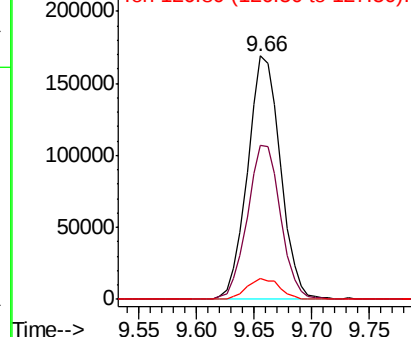
83 100

85 63.5 50.1 75.1

127 8.5 6.9 10.3



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



#48

Methyl methacrylate

Concen: 48.369 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

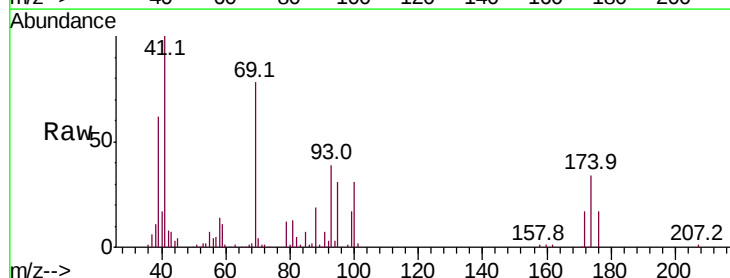
Tgt Ion: 41 Resp: 130843

Ion Ratio Lower Upper

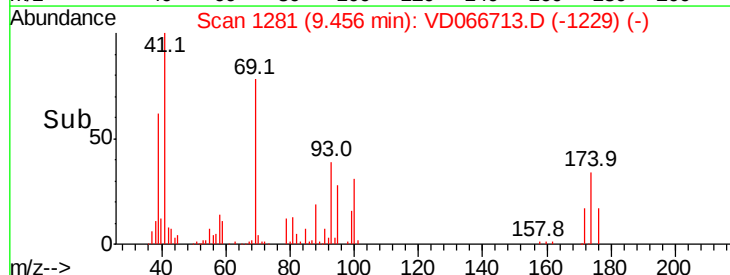
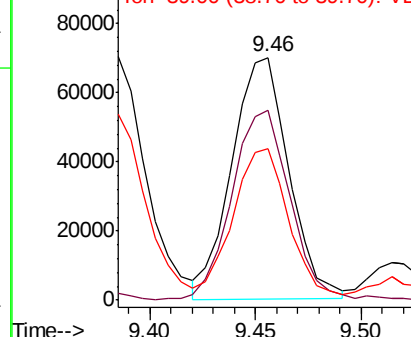
41 100

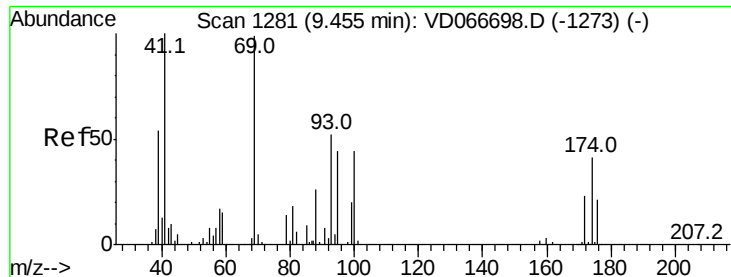
69 79.6 62.4 93.6

39 56.8 44.8 67.2



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: 913.906 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

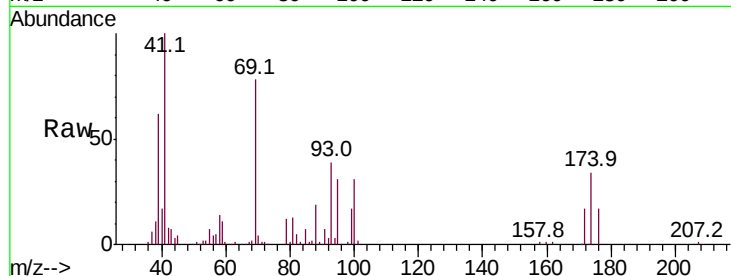
Tot Ion: 88 Resp: 26853

Ion Ratio Lower Upper

88 100

43 33.3 29.3 43.9

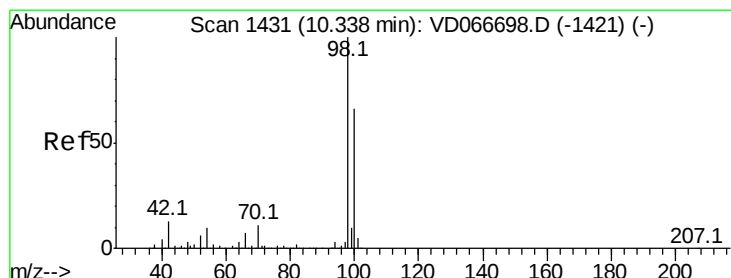
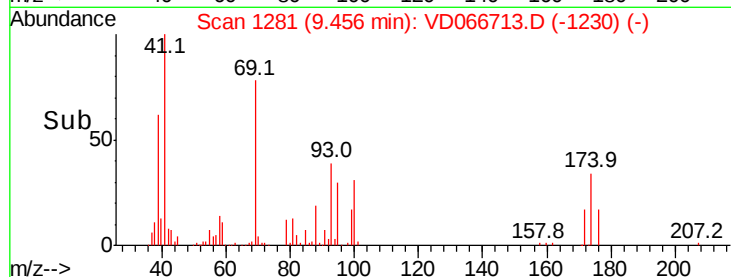
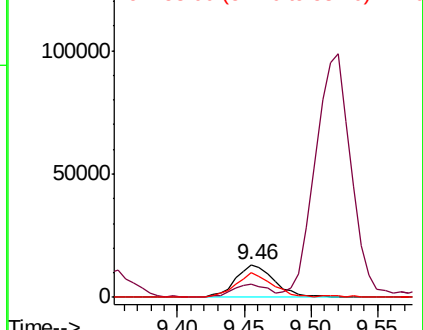
58 71.2 51.4 77.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 52.215 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066713.D

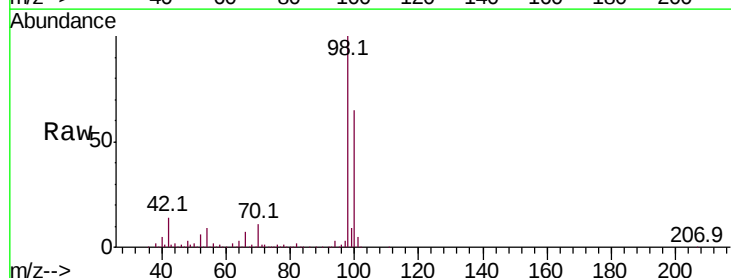
Acq: 16 Sep 2020 12:09

Tgt Ion: 98 Resp: 827936

Ion Ratio Lower Upper

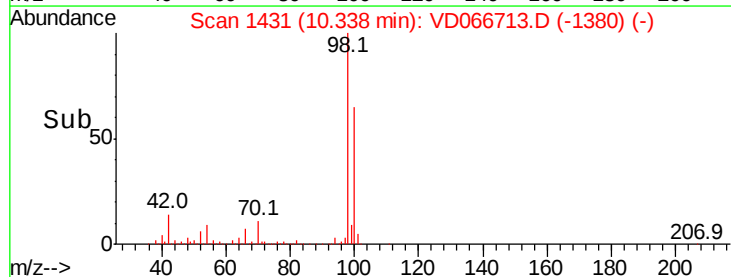
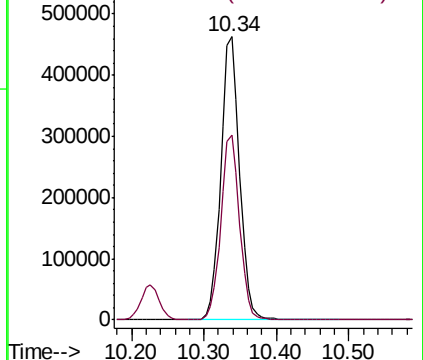
98 100

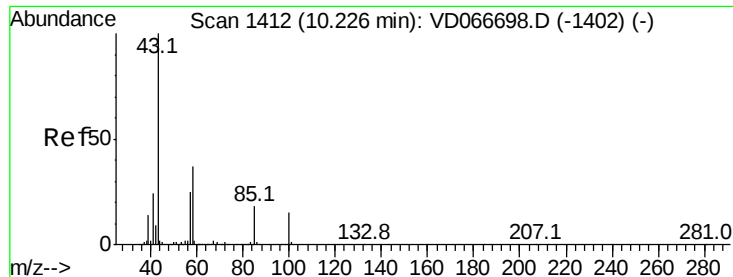
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 232.155 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

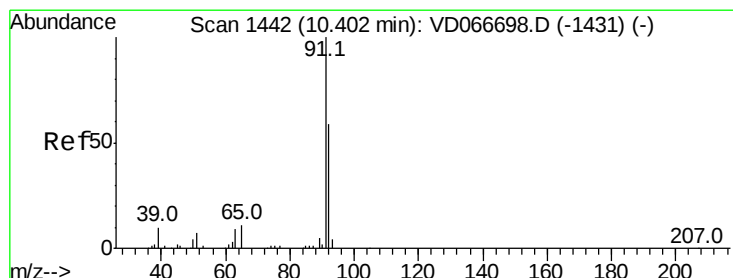
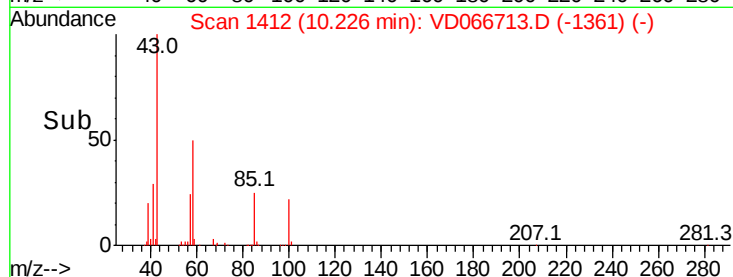
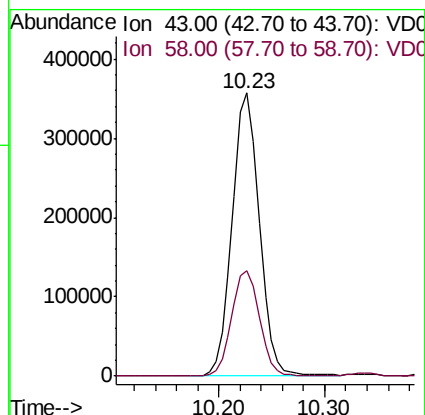
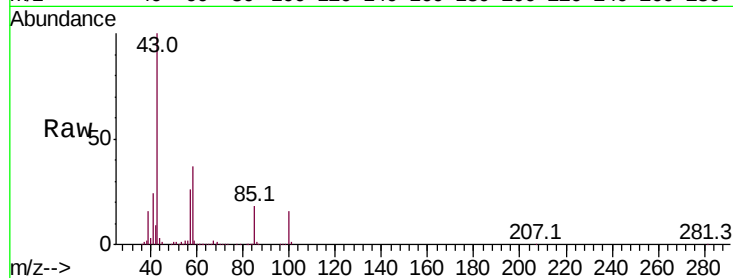
VSTDCCC050

Tot Ion: 43 Resp: 635632

Ion Ratio Lower Upper

43 100

58 38.3 30.4 45.6



#52

Toluene

Concen: 45.779 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066713.D

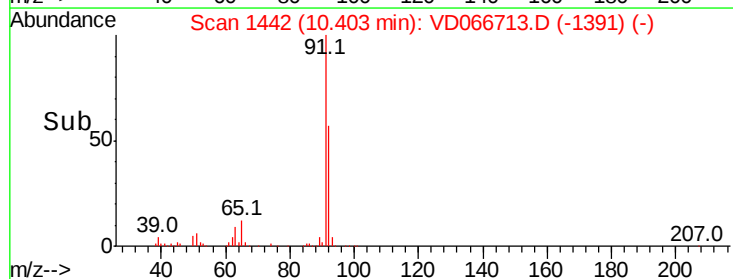
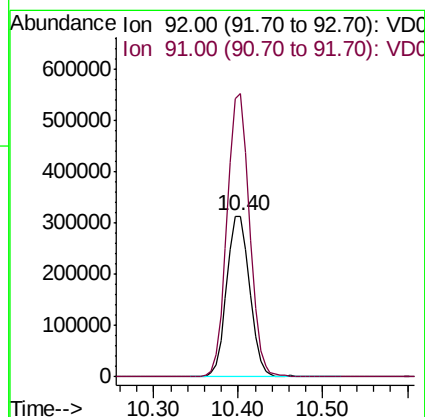
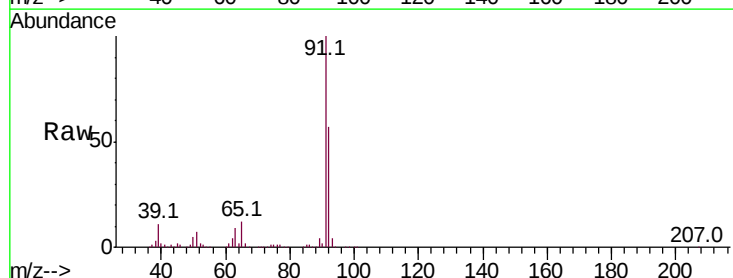
Acq: 16 Sep 2020 12:09

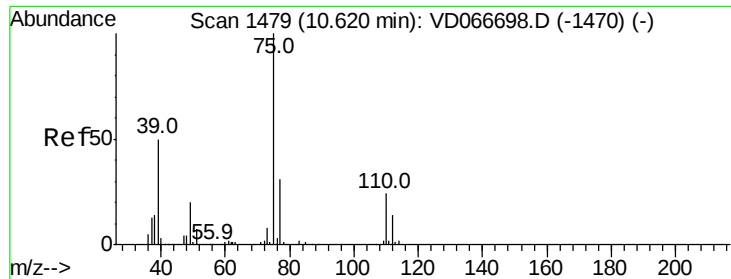
Tgt Ion: 92 Resp: 592152

Ion Ratio Lower Upper

92 100

91 171.5 135.8 203.8

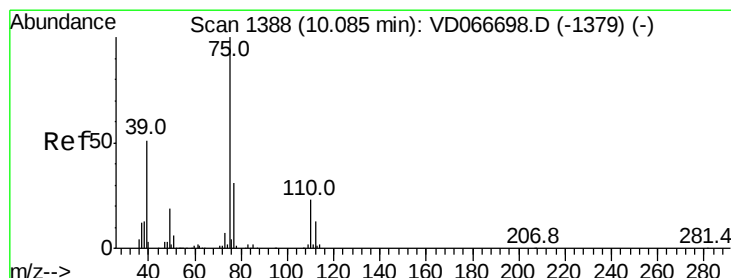
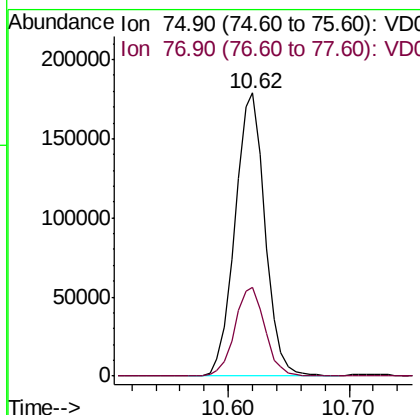
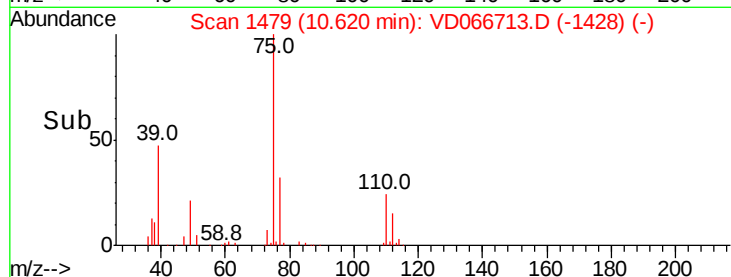
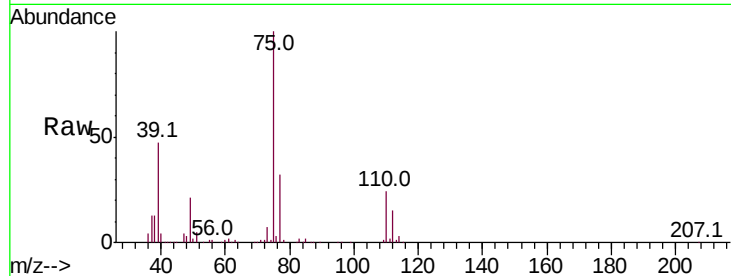




#53
 t-1,3-Dichloropropene
 Concen: 46.418 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

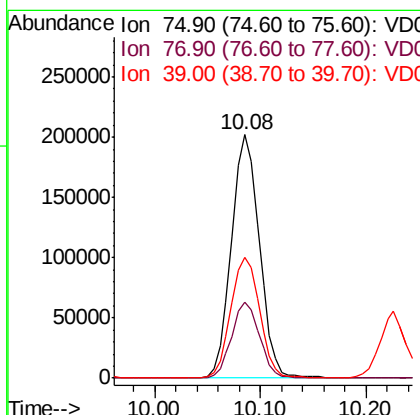
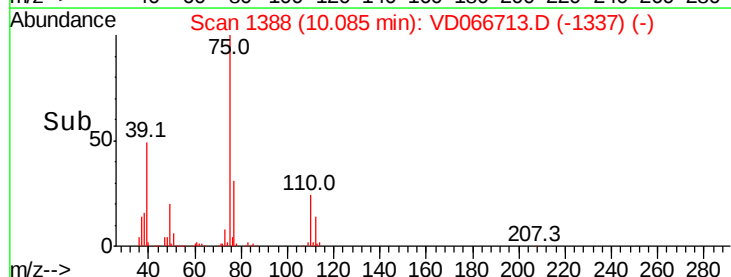
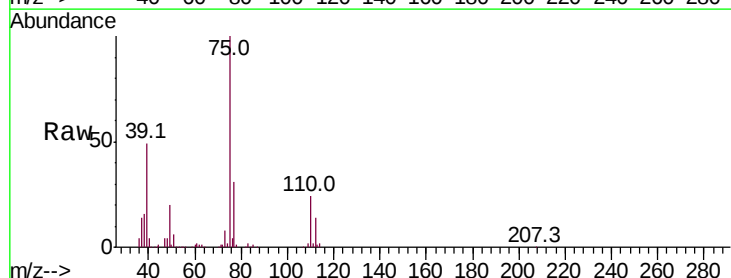
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

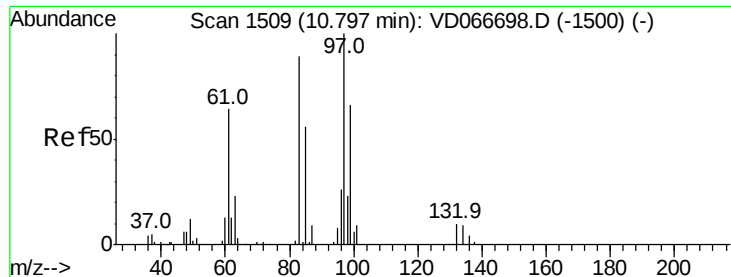
Tot Ion: 75 Resp: 309935
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 46.639 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion: 75 Resp: 369883
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 49.4 40.6 61.0





#55

1,1,2-Trichloroethane

Concen: 44.720 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 161732

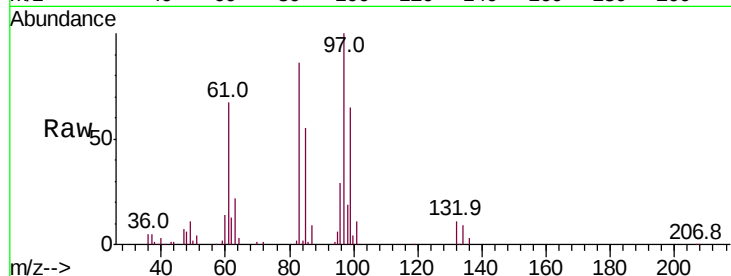
Ion Ratio Lower Upper

97 100

83 86.1 71.4 107.2

85 55.4 44.7 67.1

99 64.9 52.4 78.6

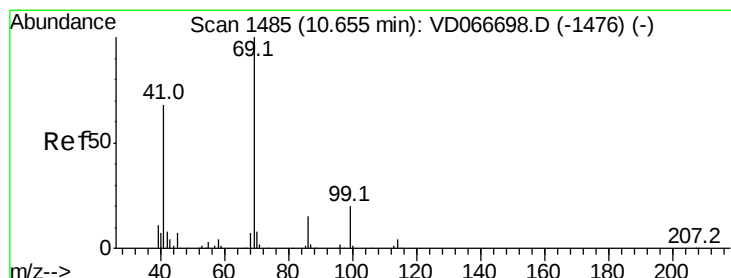
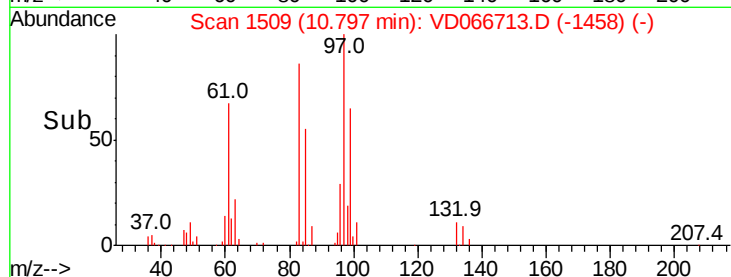
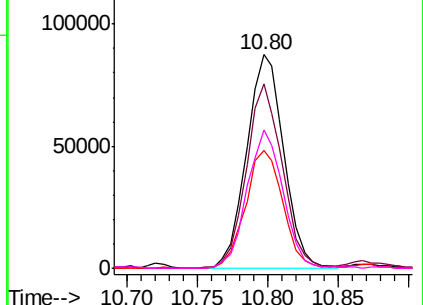


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.575 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

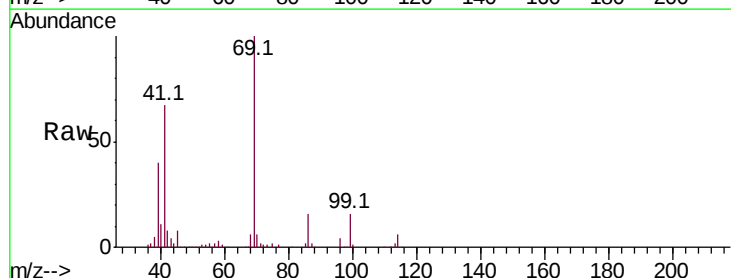
Tgt Ion: 69 Resp: 203458

Ion Ratio Lower Upper

69 100

41 66.8 55.5 83.3

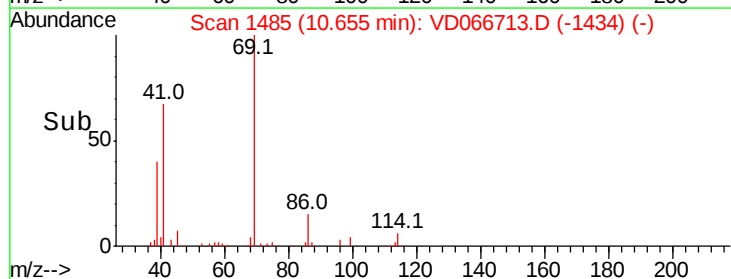
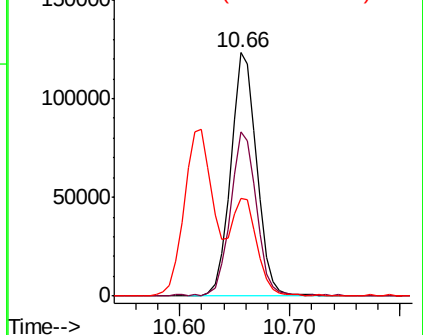
39 36.5 29.7 44.5

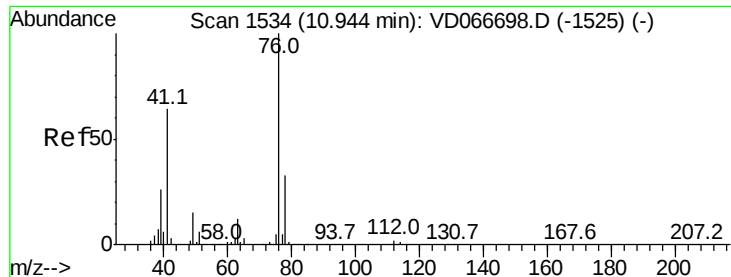


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 44.815 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

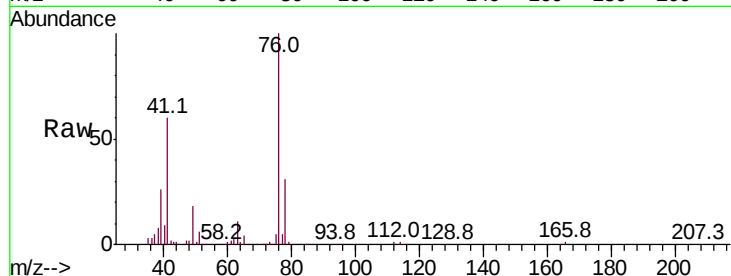
VSTDCCC050

Tot Ion: 76 Resp: 284426

Ion Ratio Lower Upper

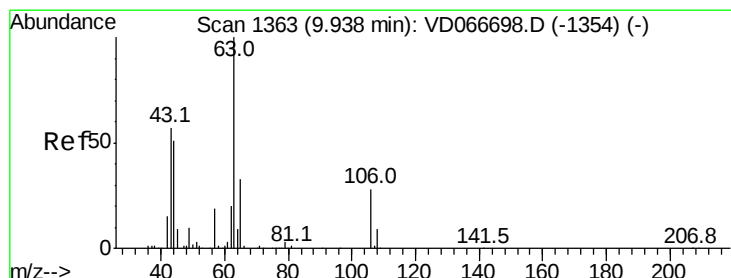
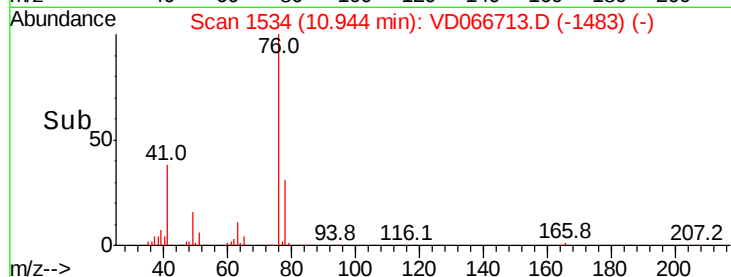
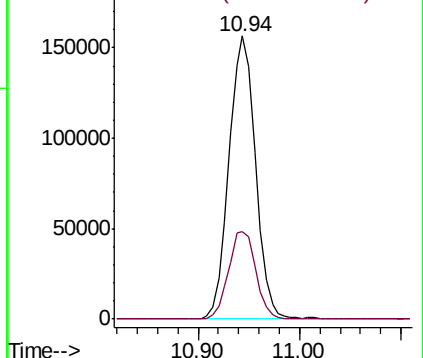
76 100

78 31.9 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 249.060 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066713.D

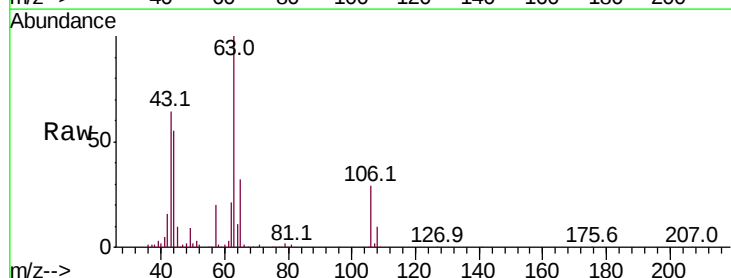
Acq: 16 Sep 2020 12:09

Tgt Ion: 63 Resp: 448923

Ion Ratio Lower Upper

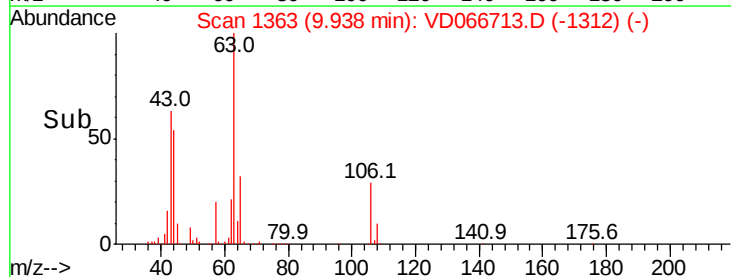
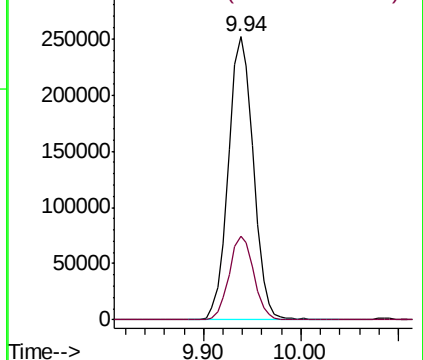
63 100

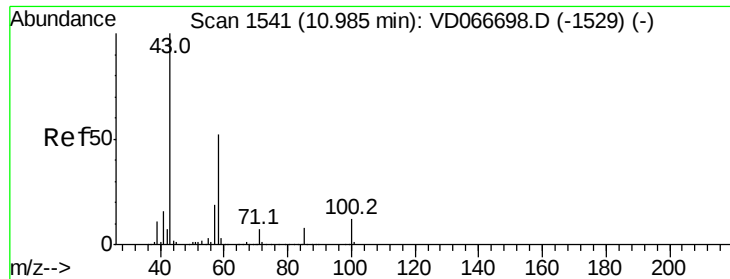
106 29.2 22.2 33.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

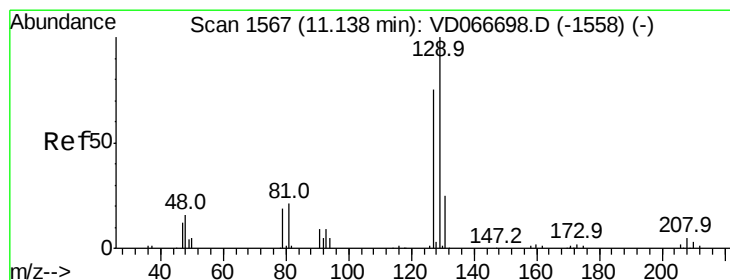
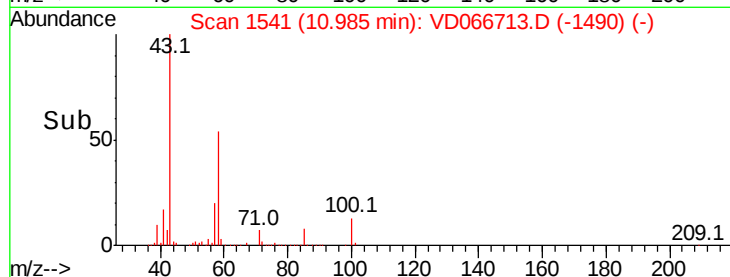
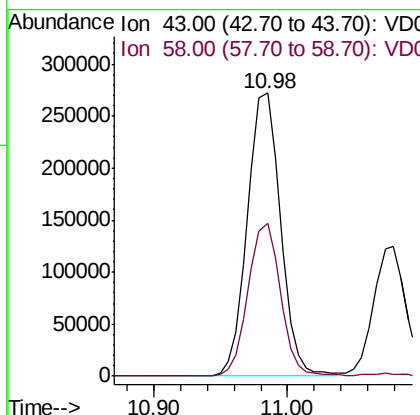
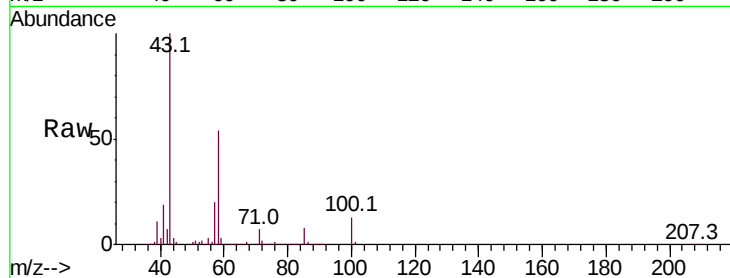




#59
2-Hexanone
Concen: 253.654 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

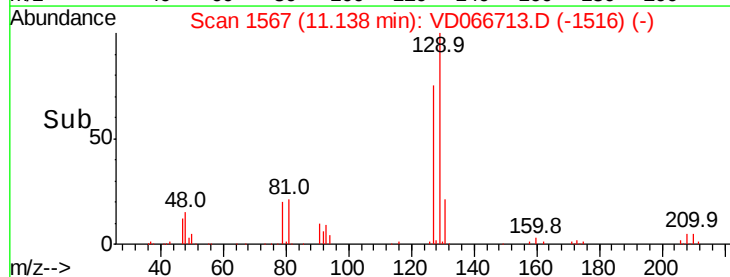
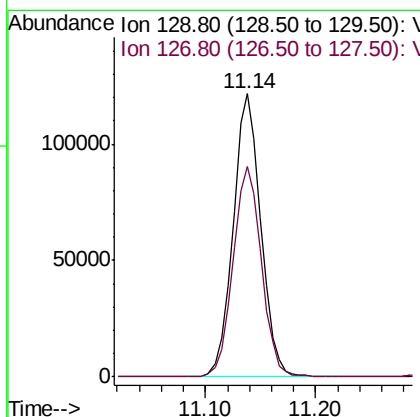
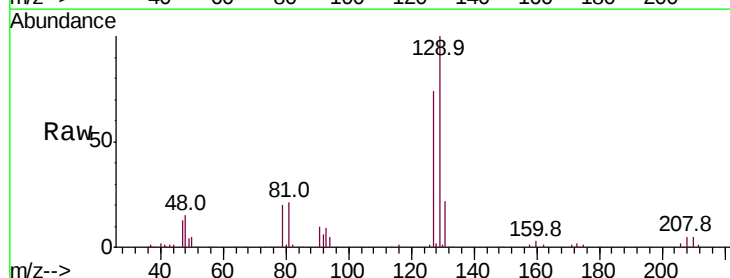
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

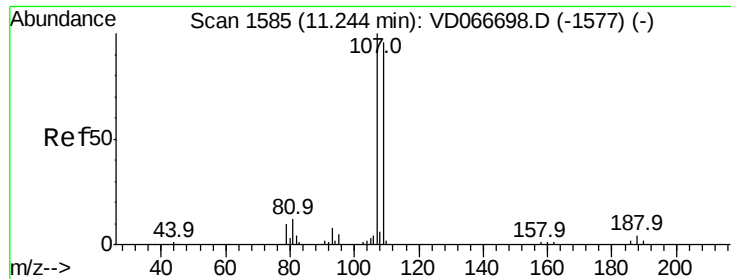
Tot Ion: 43 Resp: 466642
Ion Ratio Lower Upper
43 100
58 52.9 26.2 78.5



#60
Dibromochloromethane
Concen: 45.262 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 129 Resp: 213288
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3

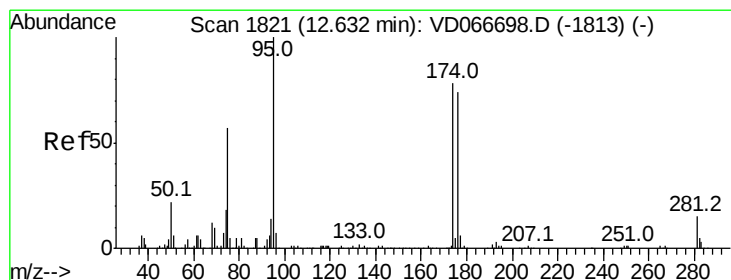
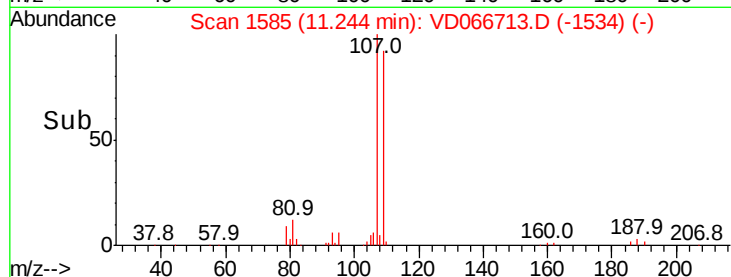
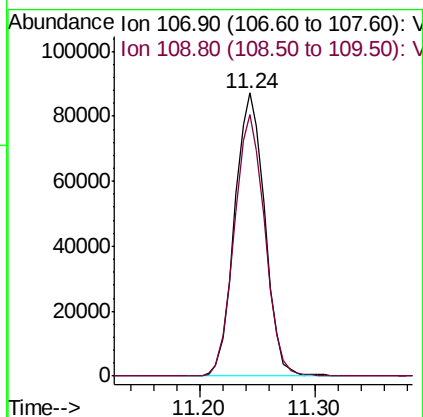
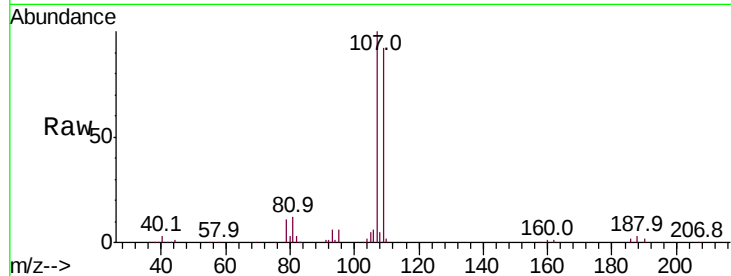




#61
 1,2-Dibromoethane
 Concen: 45.246 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

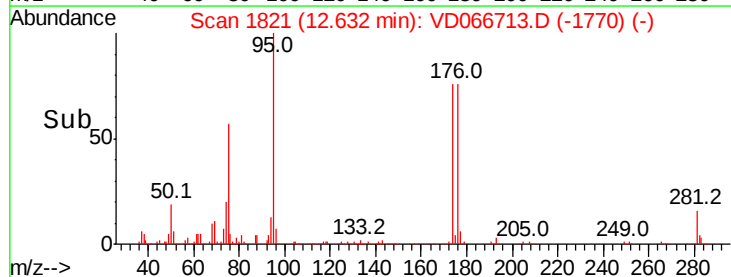
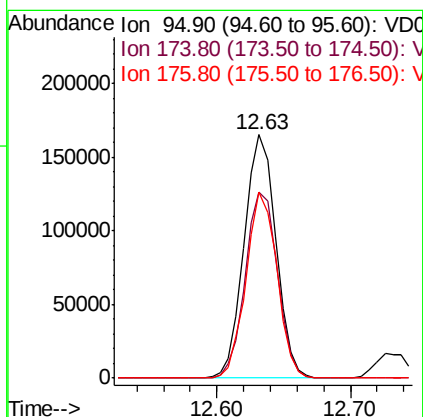
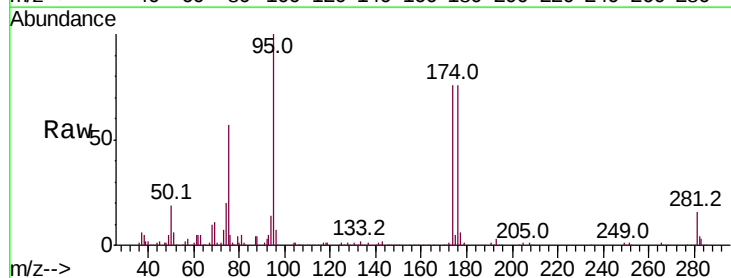
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

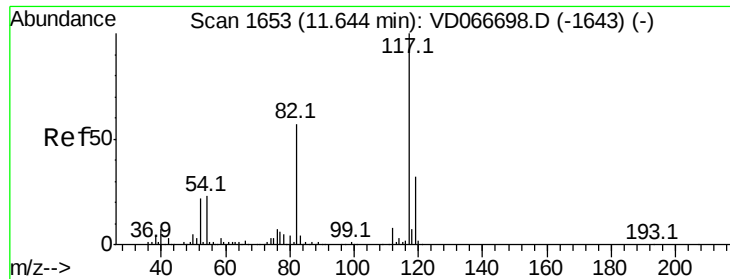
Tot Ion:107 Resp: 156966
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.707 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion: 95 Resp: 272067
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 156.6
 176 74.1 0.0 150.2

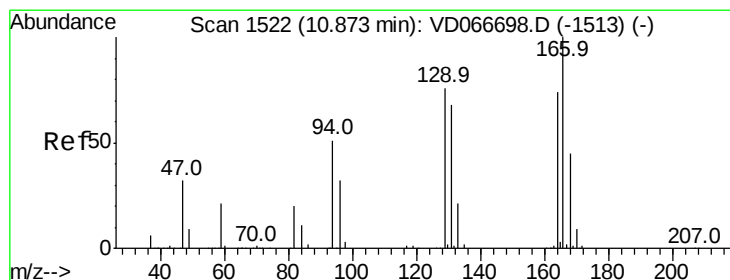
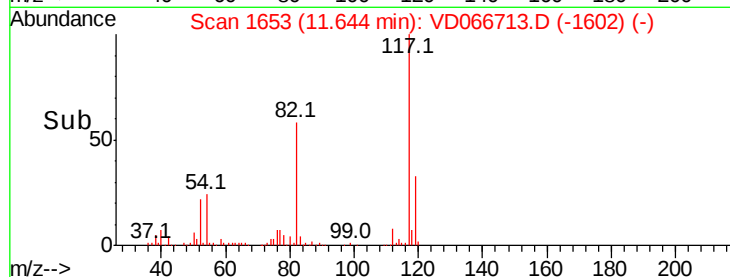
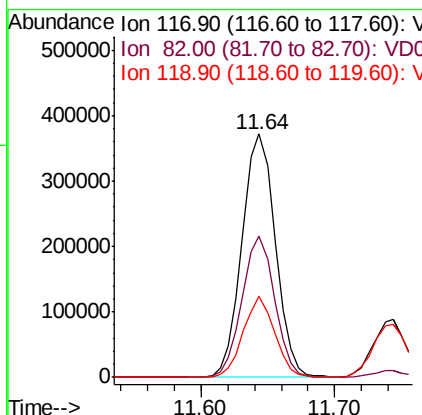
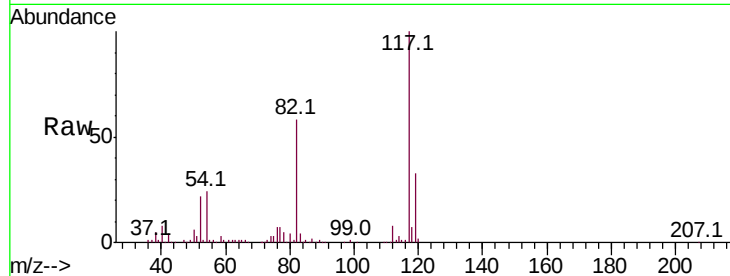




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

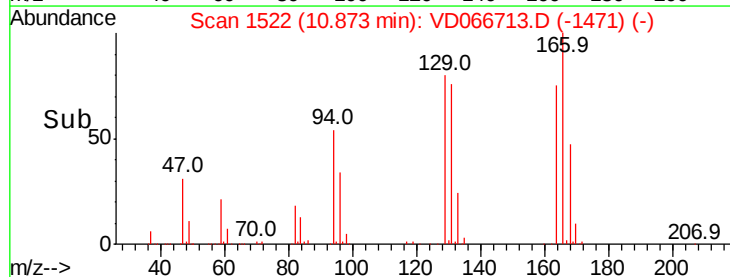
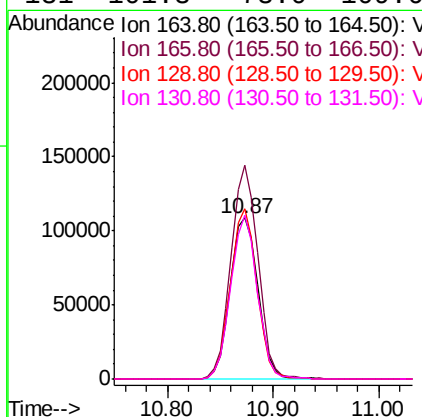
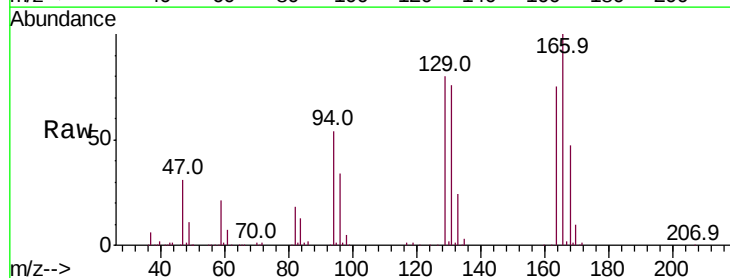
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

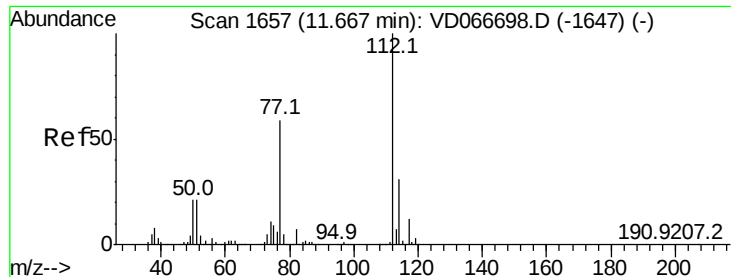
Tot Ion:117 Resp: 644755
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.0
119 33.4 25.8 38.6



#64
Tetrachloroethene
Concen: 44.901 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion:164 Resp: 197626
Ion Ratio Lower Upper
164 100
166 132.5 107.5 161.3
129 106.1 81.4 122.0
131 101.3 73.0 109.6

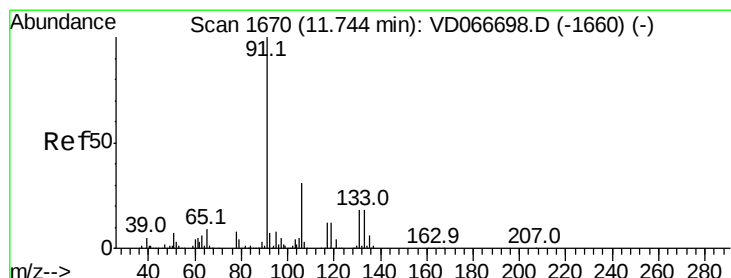
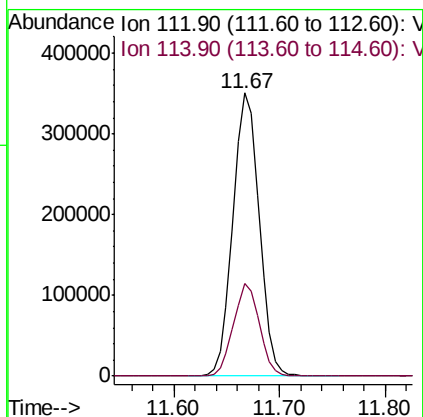
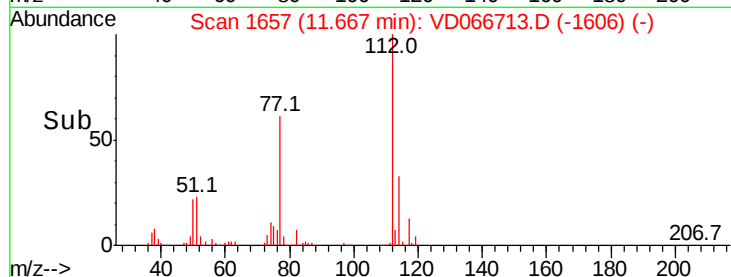
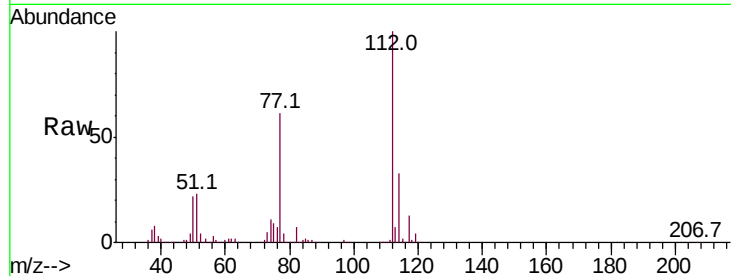




#65
Chlorobenzene
Concen: 45.073 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

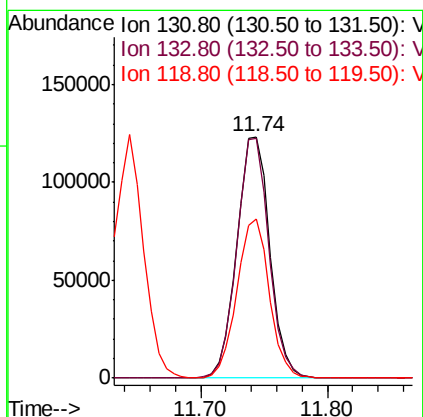
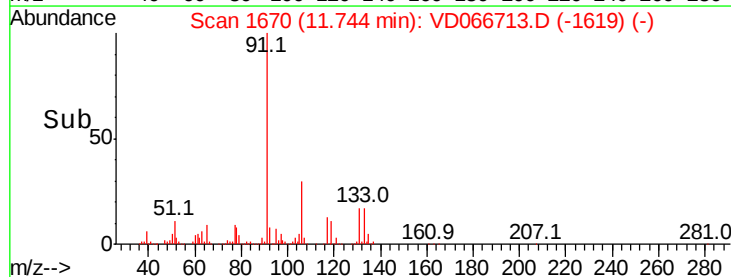
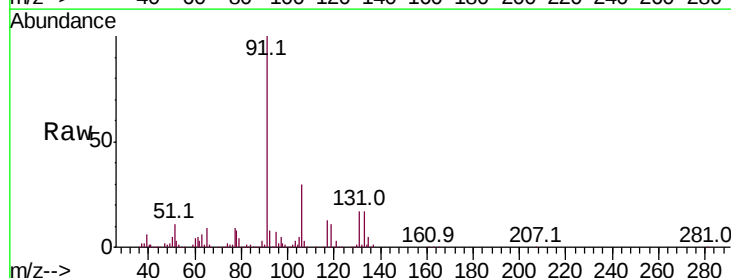
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

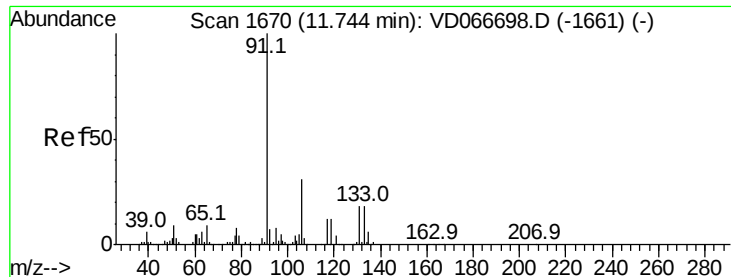
Tot Ion:112 Resp: 601692
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 45.006 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion:131 Resp: 221668
Ion Ratio Lower Upper
131 100
133 97.1 47.8 143.3
119 65.1 33.6 100.8





#67

Ethyl Benzene

Concen: 47.371 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

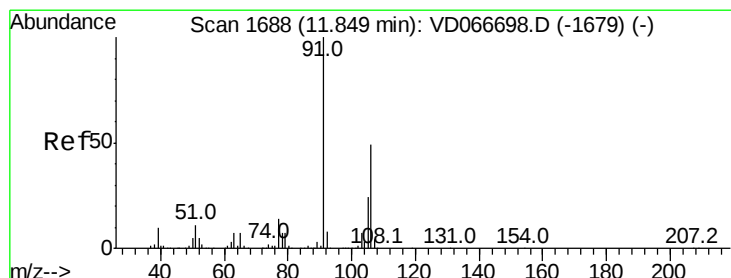
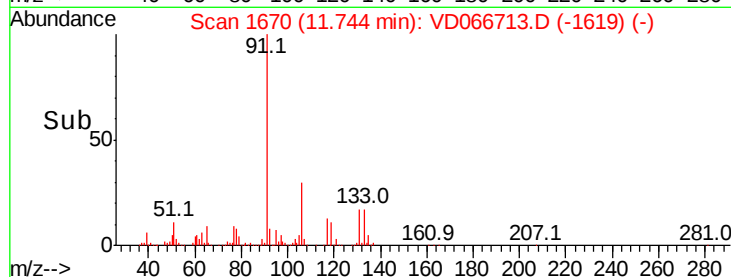
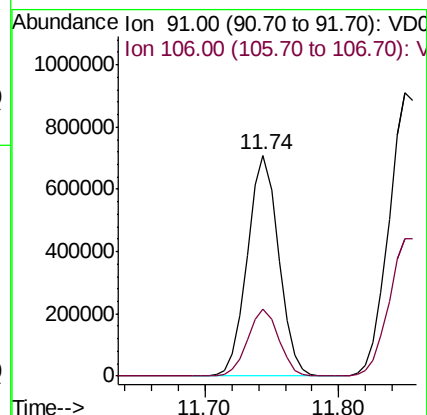
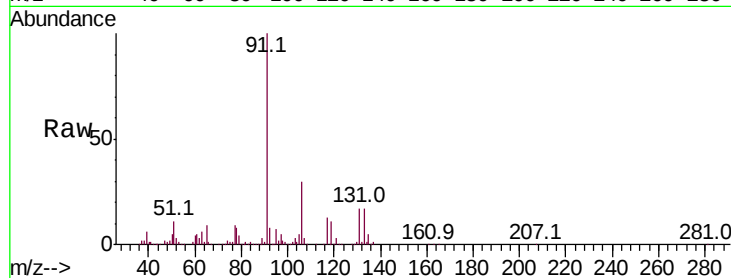
VSTDCCC050

Tot Ion: 91 Resp: 1145403

Ion Ratio Lower Upper

91 100

106 30.1 25.1 37.7



#68

m/p-Xylenes

Concen: 93.949 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066713.D

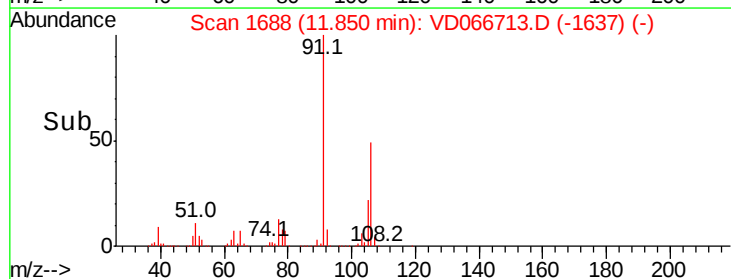
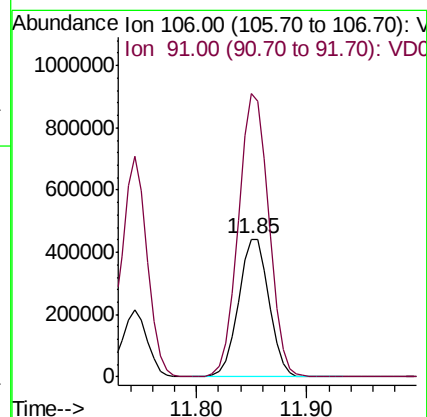
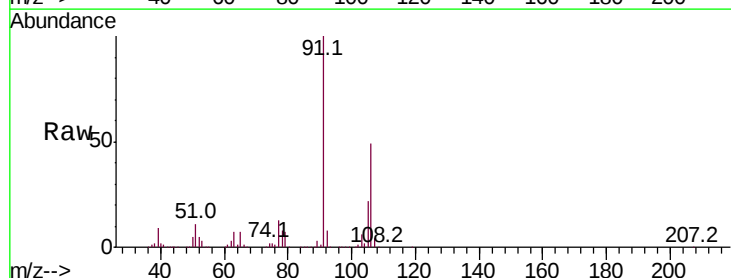
Acq: 16 Sep 2020 12:09

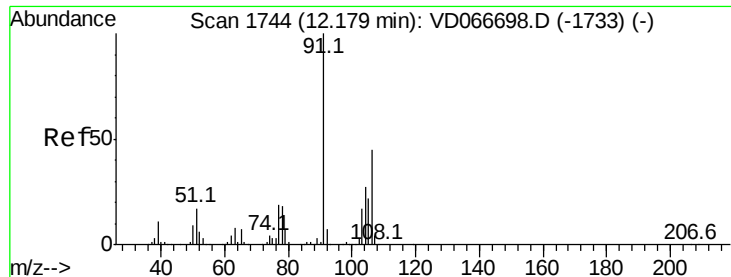
Tgt Ion: 106 Resp: 858569

Ion Ratio Lower Upper

106 100

91 205.2 164.8 247.2

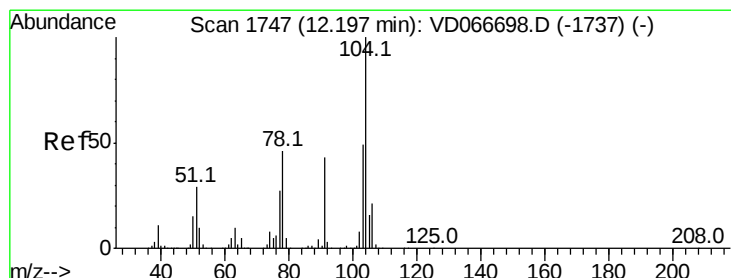
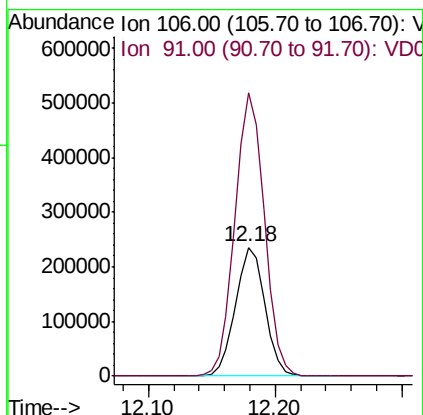
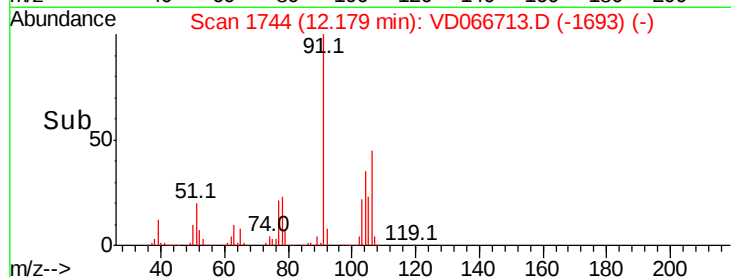
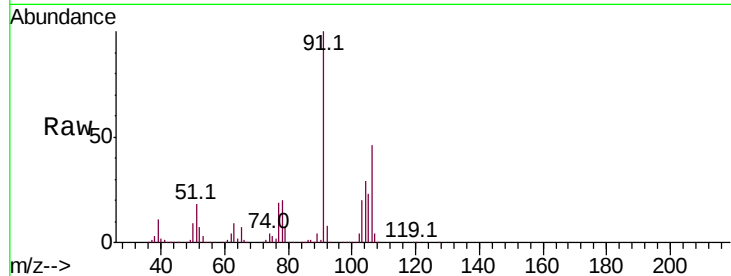




#69
o-Xylene
Concen: 46.868 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

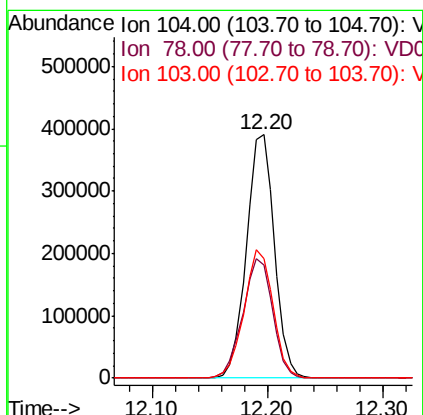
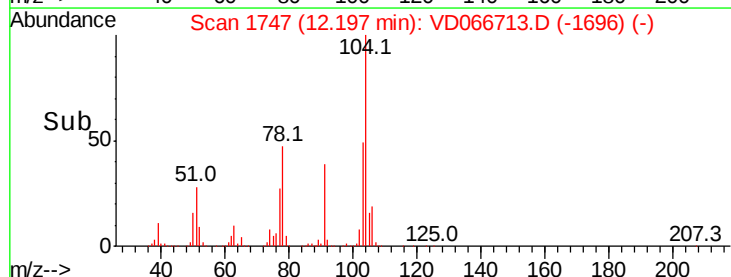
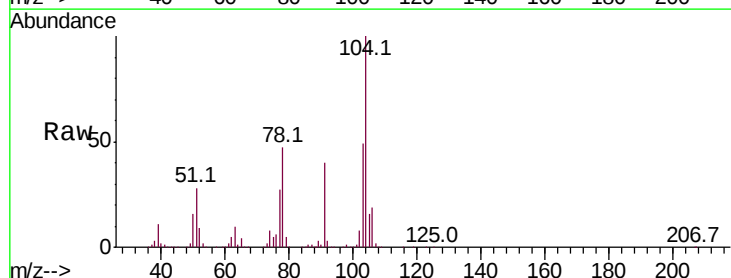
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

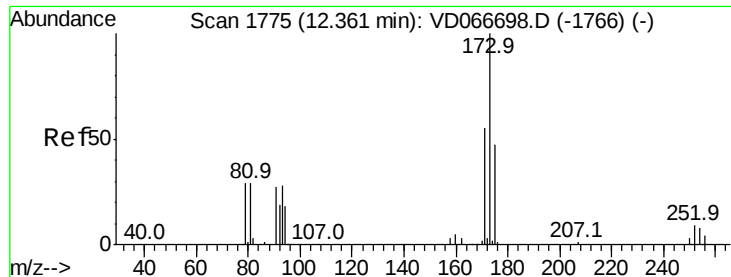
Tot Ion:106 Resp: 378494
Ion Ratio Lower Upper
106 100
91 220.3 109.4 328.2



#70
Styrene
Concen: 46.339 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion:104 Resp: 658658
Ion Ratio Lower Upper
104 100
78 52.7 40.2 60.4
103 54.7 42.5 63.7





#71

Bromoform

Concen: 46.907 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

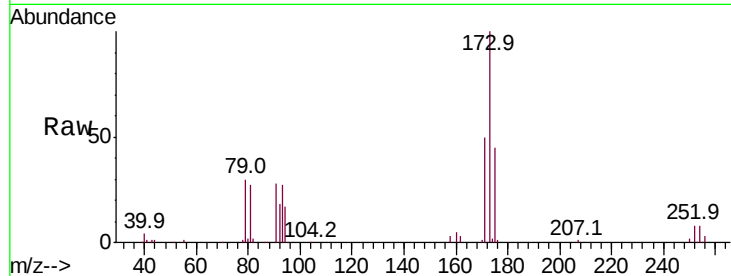
Tot Ion:173 Resp: 115946

Ion Ratio Lower Upper

173 100

175 45.9 24.3 72.8

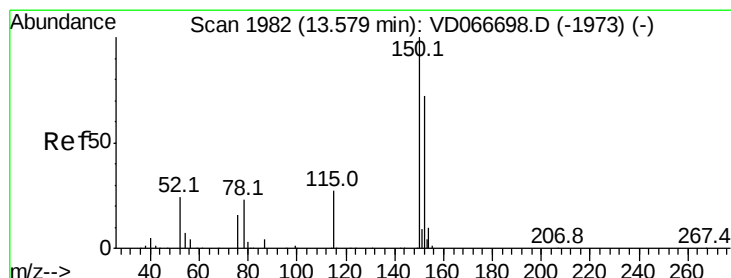
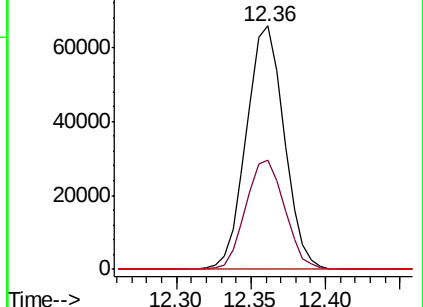
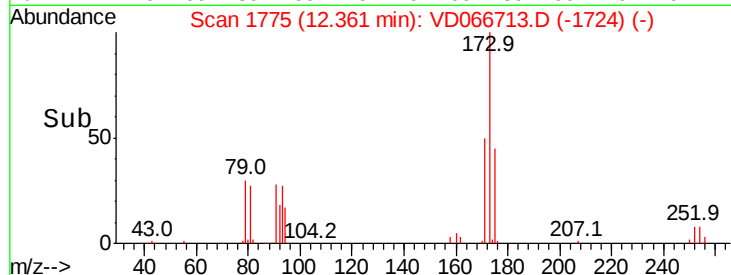
254 0.1 0.1 0.1#



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: VD066713.D

Acq: 16 Sep 2020 12:09

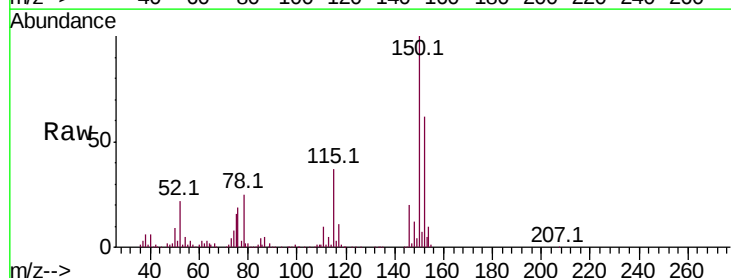
Tgt Ion:152 Resp: 302646

Ion Ratio Lower Upper

152 100

115 61.5 30.5 91.5

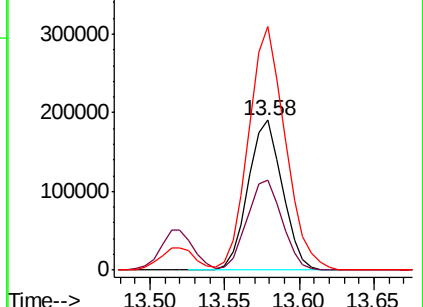
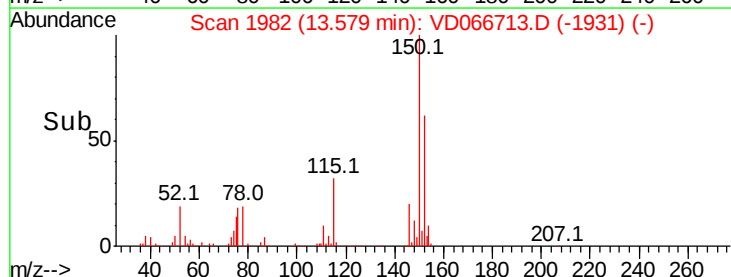
150 173.6 0.0 344.6

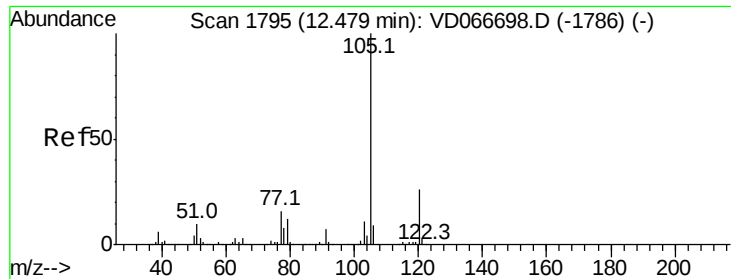


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.534 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

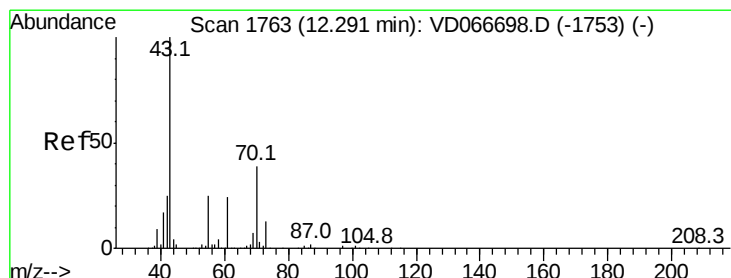
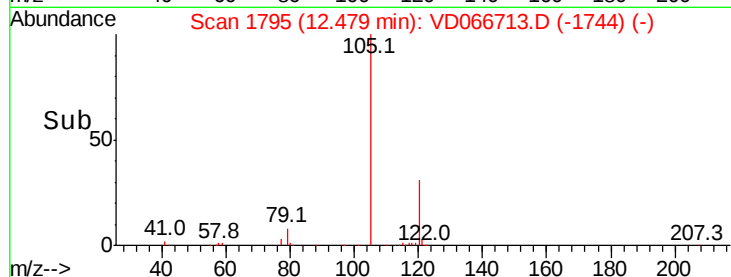
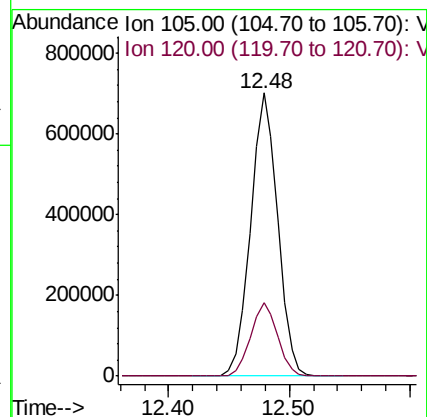
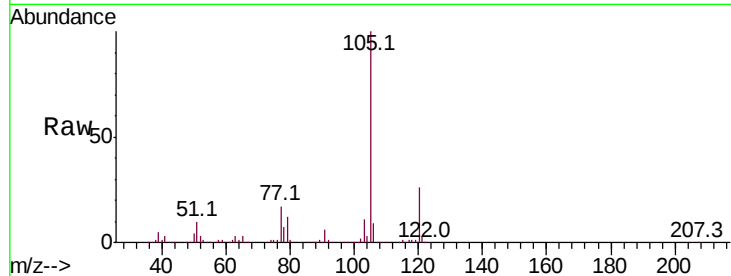
VSTDCCC050

Tot Ion:105 Resp: 1096536

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



#74

N-ethyl acetate

Concen: 47.690 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion: 43 Resp: 227289

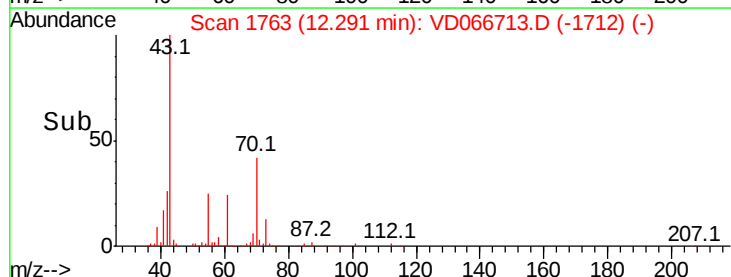
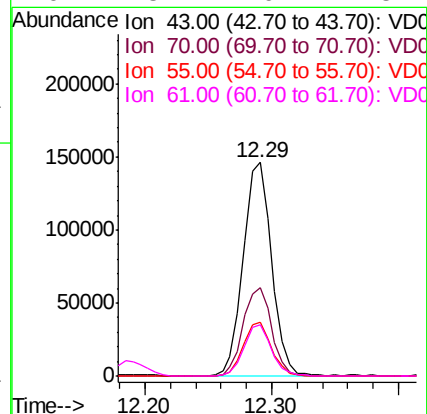
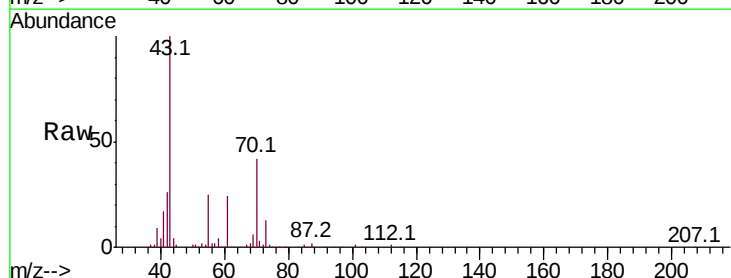
Ion Ratio Lower Upper

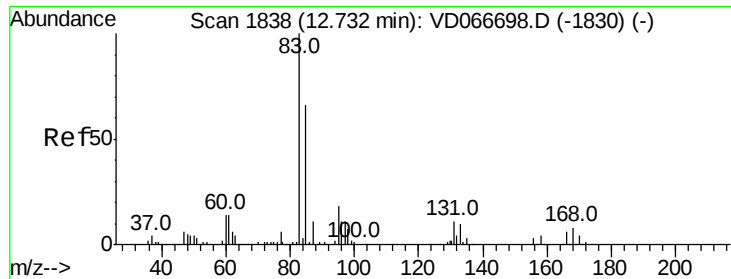
43 100

70 41.6 33.0 49.4

55 25.0 20.6 30.8

61 23.1 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 44.435 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

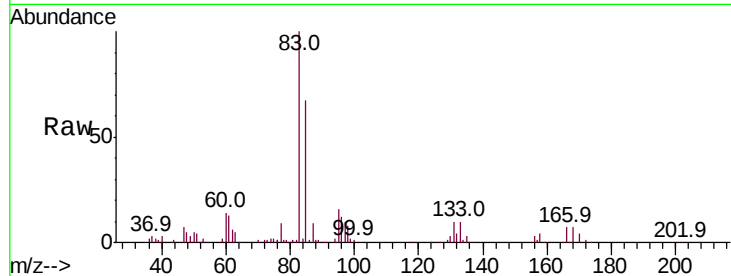
Tot Ion: 83 Resp: 170594

Ion Ratio Lower Upper

83 100

131 10.6 5.8 17.3

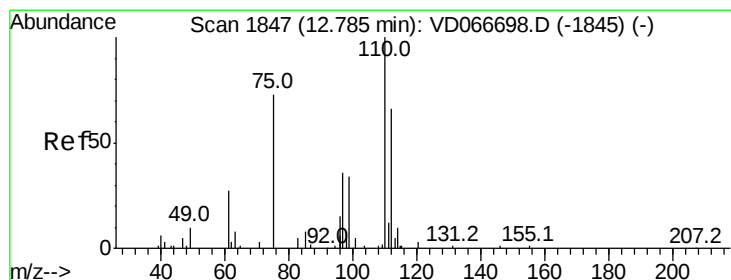
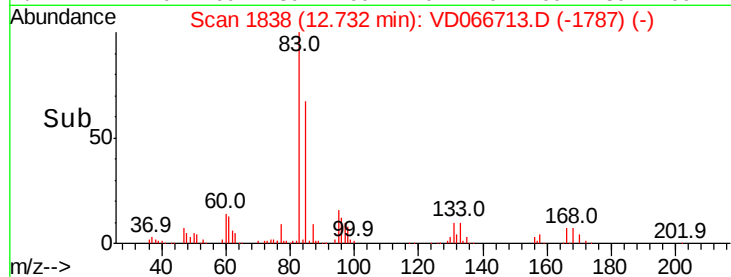
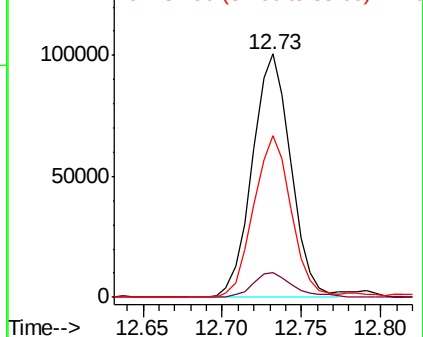
85 64.8 33.3 99.8



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: 89.891 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066713.D

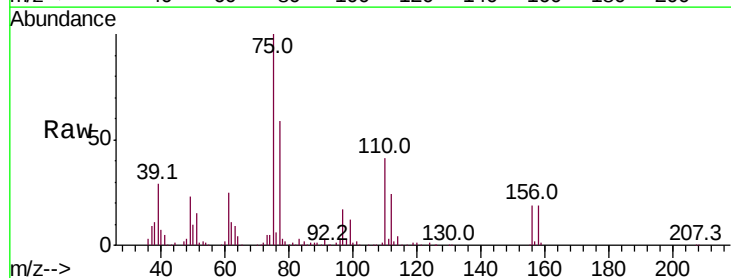
Acq: 16 Sep 2020 12:09

Tgt Ion: 75 Resp: 232865

Ion Ratio Lower Upper

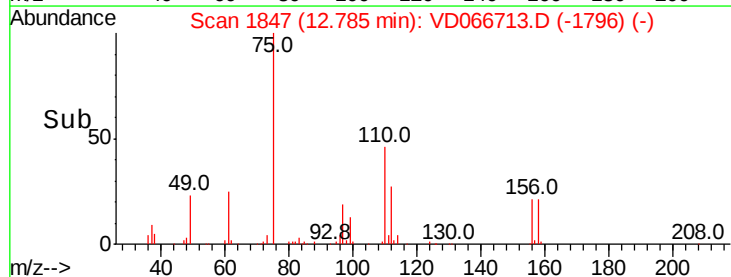
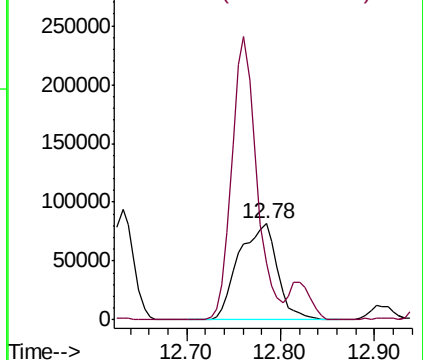
75 100

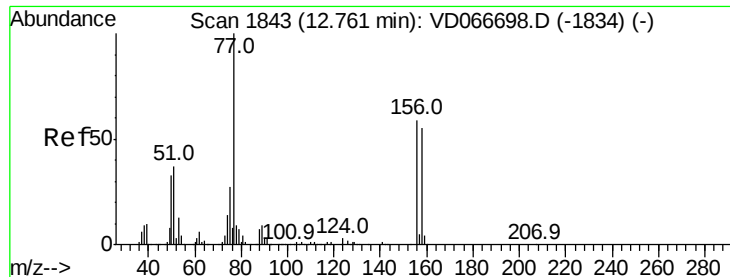
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 44.210 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

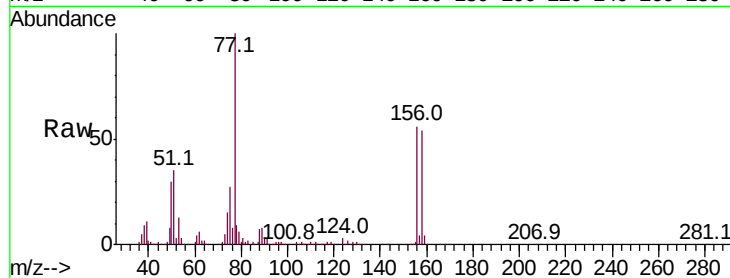
Tot Ion:156 Resp: 230217

Ion Ratio Lower Upper

156 100

77 193.2 95.8 287.3

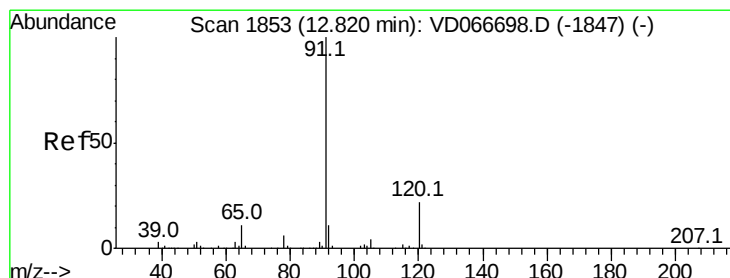
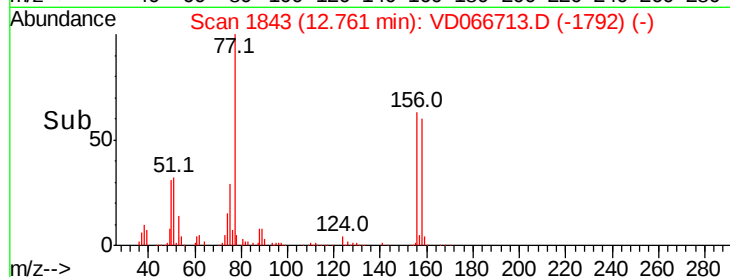
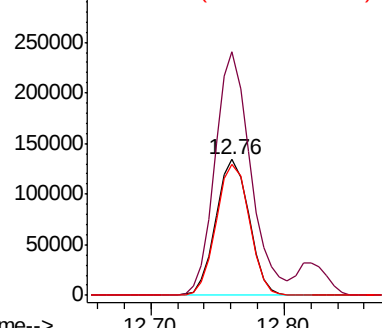
158 96.5 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.845 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066713.D

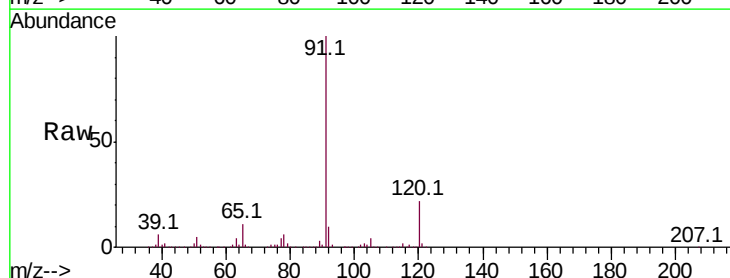
Acq: 16 Sep 2020 12:09

Tgt Ion: 91 Resp: 1317725

Ion Ratio Lower Upper

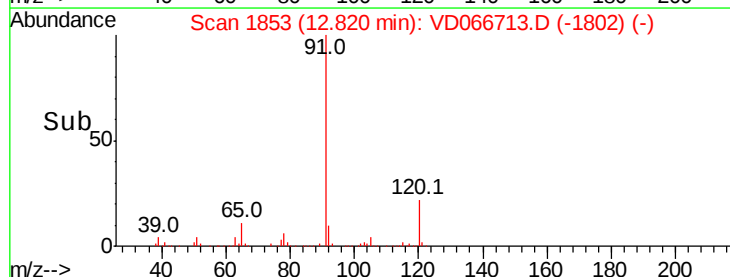
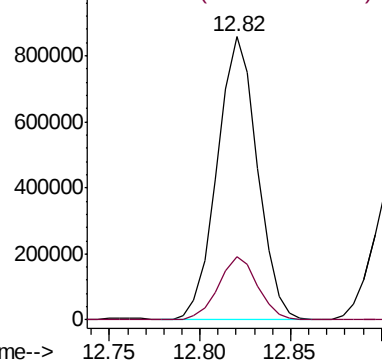
91 100

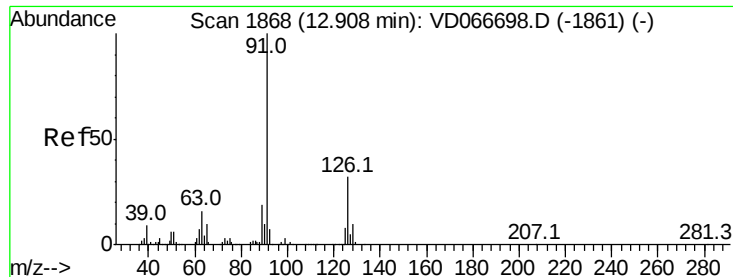
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.362 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

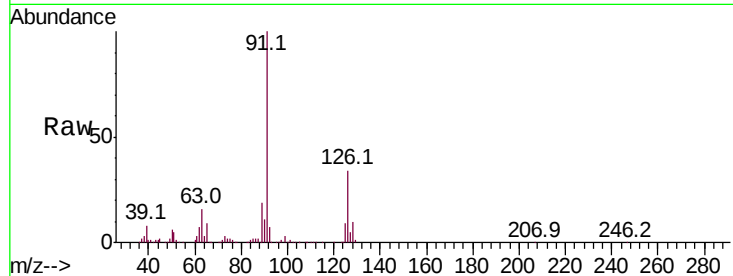
VSTDCCC050

Tot Ion: 91 Resp: 722008

Ion Ratio Lower Upper

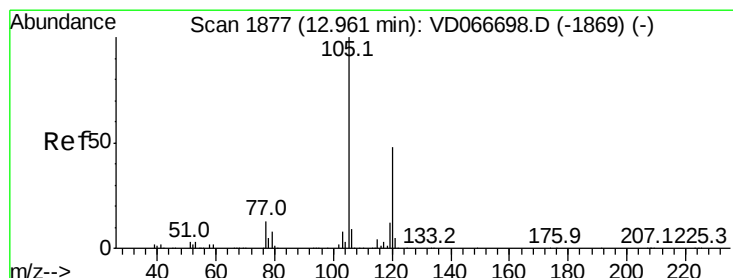
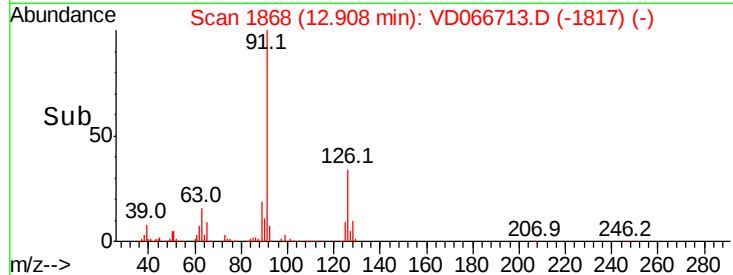
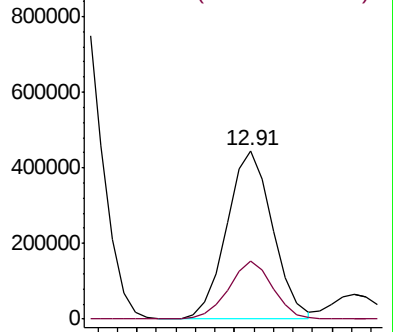
91 100

126 33.1 16.2 48.6



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: 47.610 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066713.D

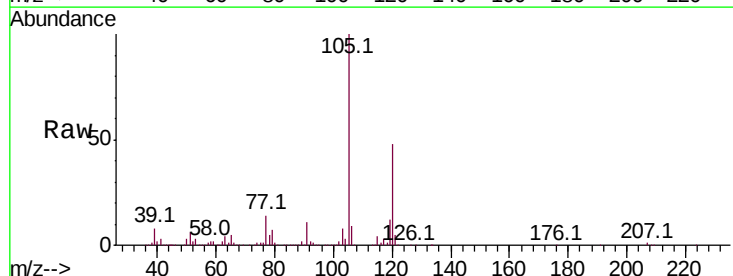
Acq: 16 Sep 2020 12:09

Tgt Ion:105 Resp: 909496

Ion Ratio Lower Upper

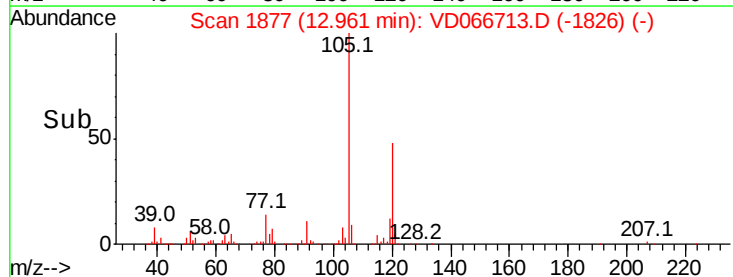
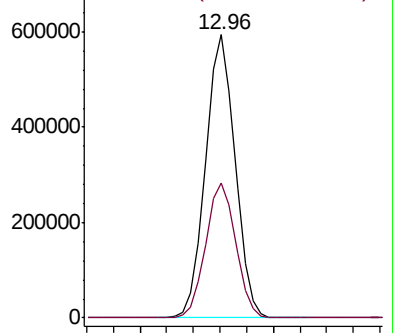
105 100

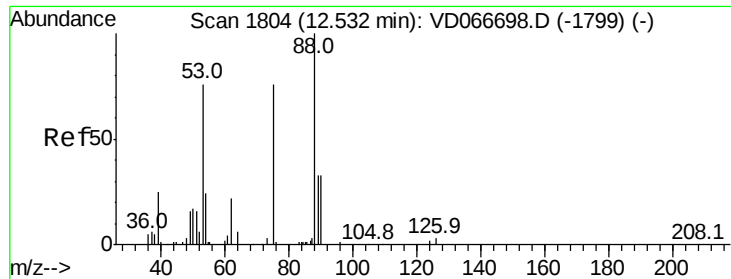
120 48.6 23.9 71.7



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: 46.934 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

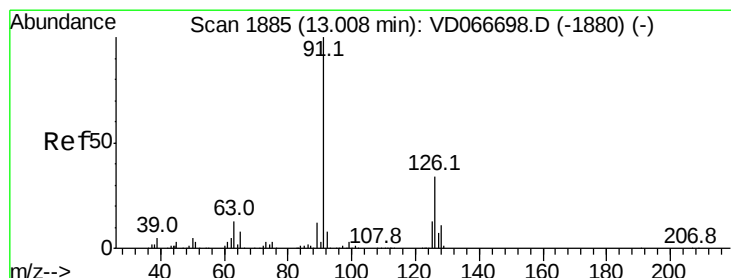
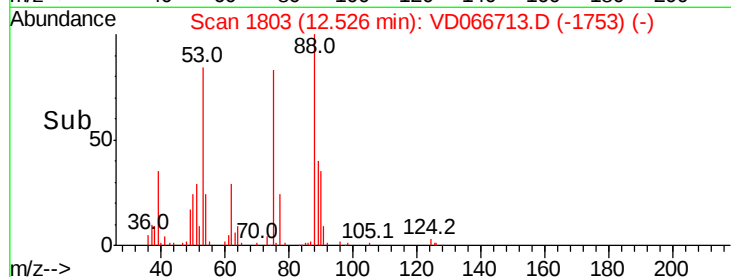
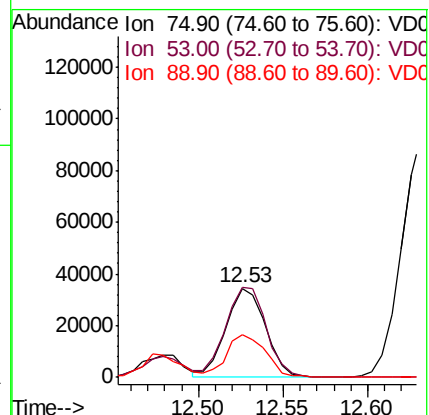
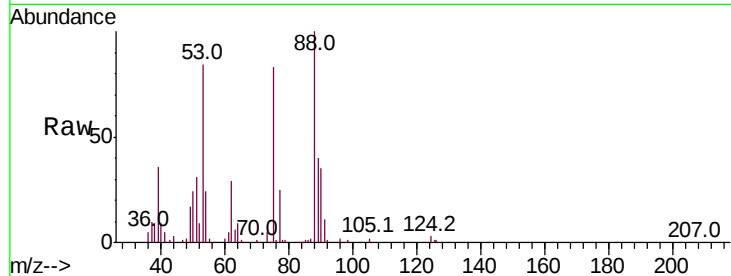
Tot Ion: 75 Resp: 56336

Ion Ratio Lower Upper

75 100

53 104.6 82.2 123.4

89 47.4 39.6 59.4



#82

4-Chlorotoluene

Concen: 45.641 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066713.D

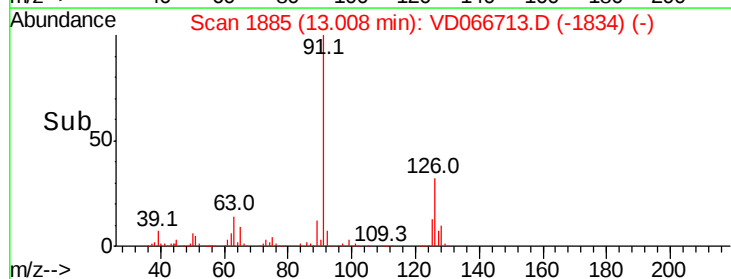
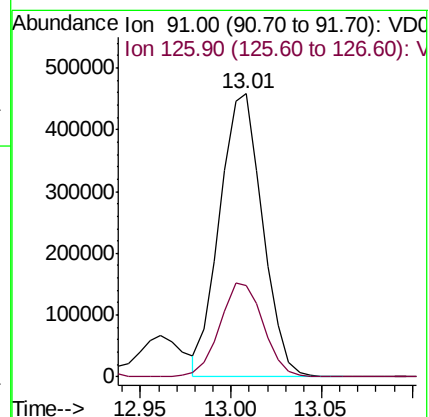
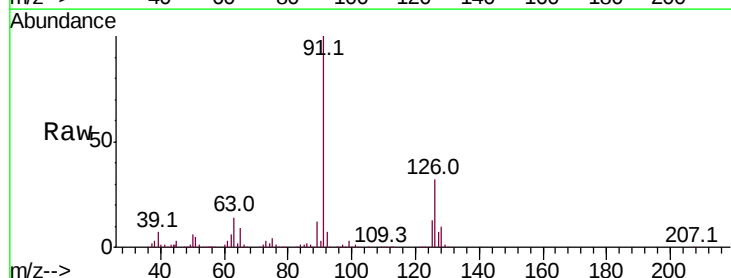
Acq: 16 Sep 2020 12:09

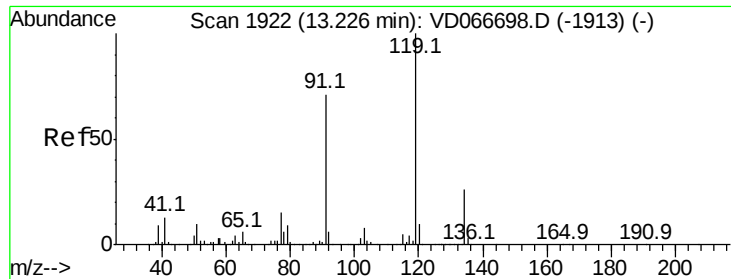
Tgt Ion: 91 Resp: 751565

Ion Ratio Lower Upper

91 100

126 33.9 16.8 50.4

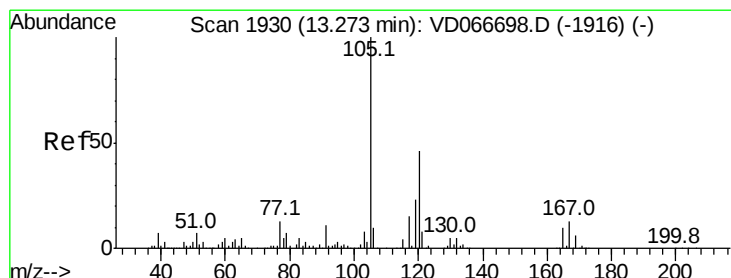
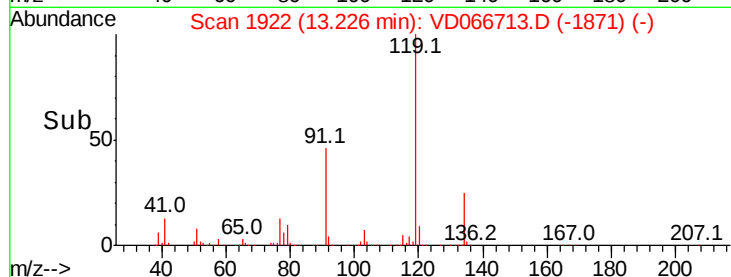
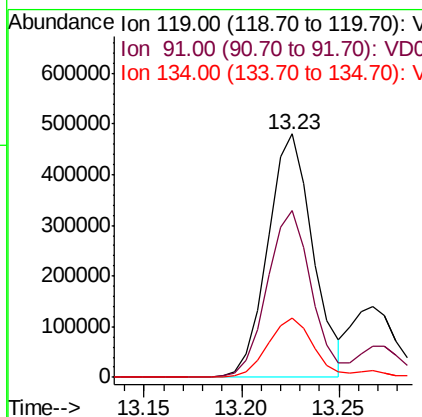
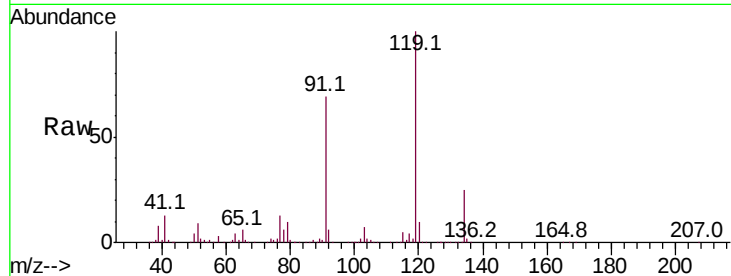




#83
tert-Butylbenzene
Concen: 48.893 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

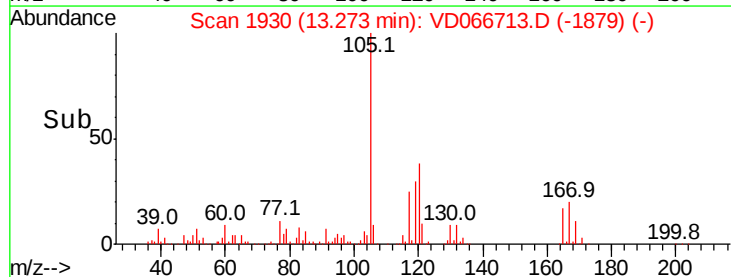
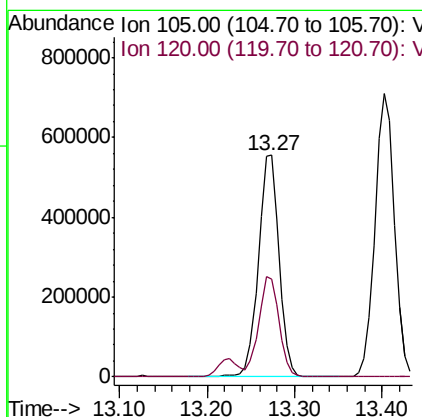
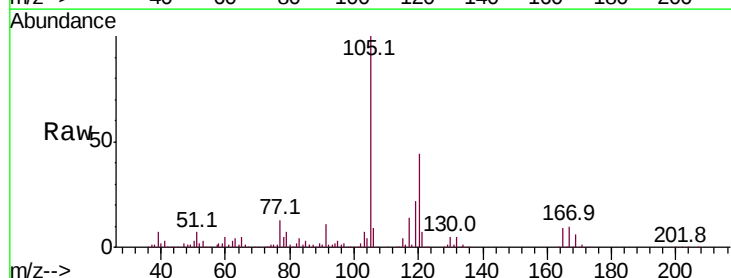
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

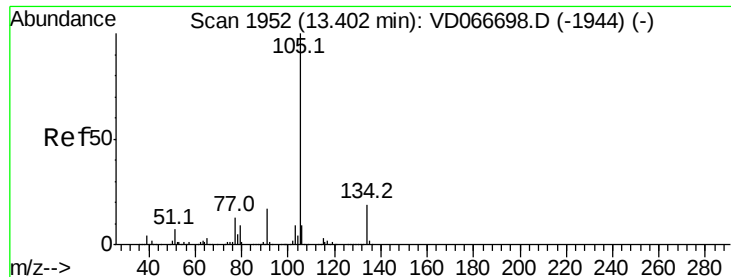
Tot Ion:119 Resp: 769823
Ion Ratio Lower Upper
119 100
91 68.3 35.0 105.1
134 24.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 47.292 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion:105 Resp: 902861
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.2





#85

sec-Butylbenzene

Concen: 48.727 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

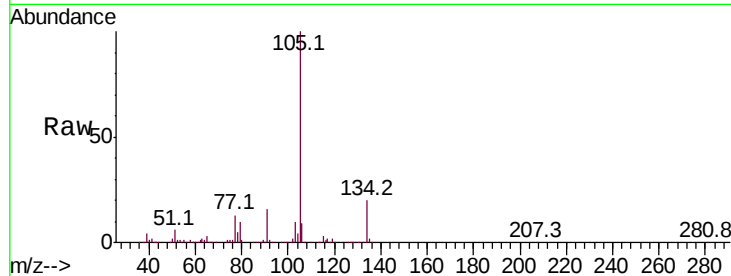
VSTDCCC050

Tot Ion:105 Resp: 1099881

Ion Ratio Lower Upper

105 100

134 19.8 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

800000

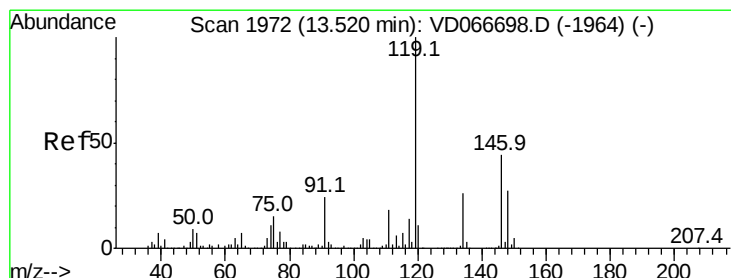
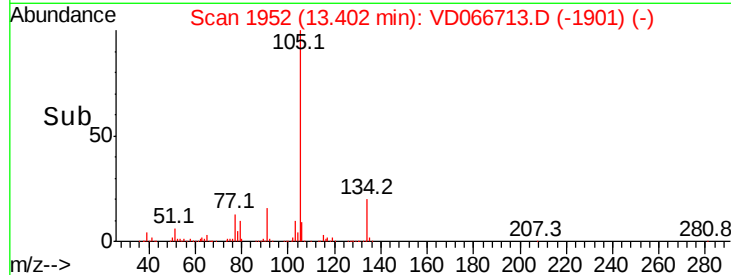
600000

400000

200000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 49.370 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

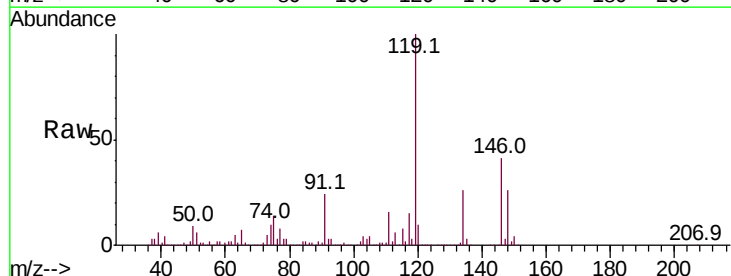
Tgt Ion:119 Resp: 1013138

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 25.0 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

800000

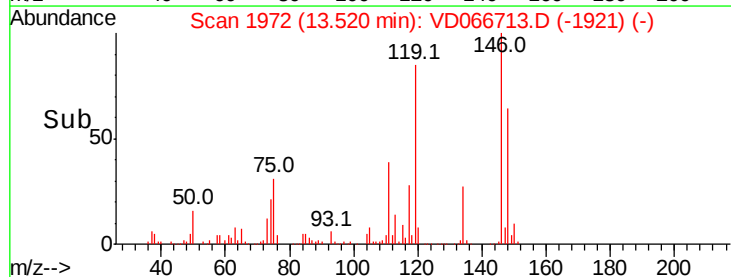
600000

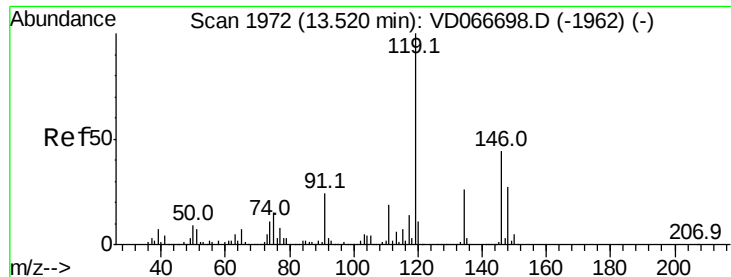
400000

200000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 45.903 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

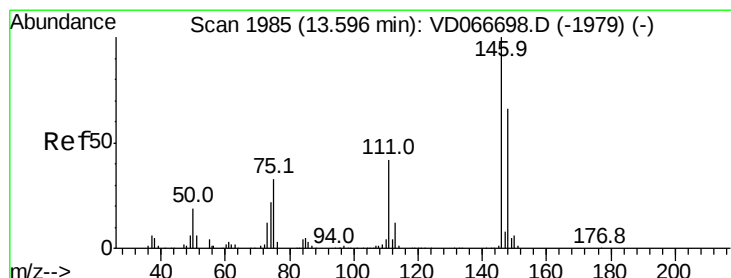
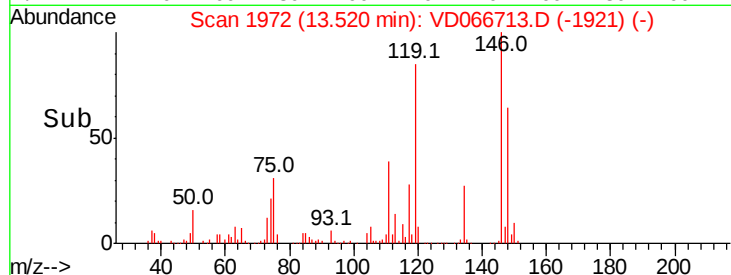
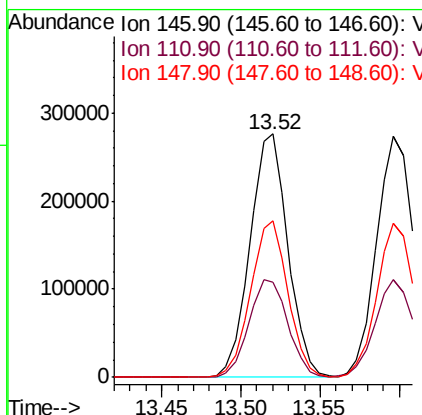
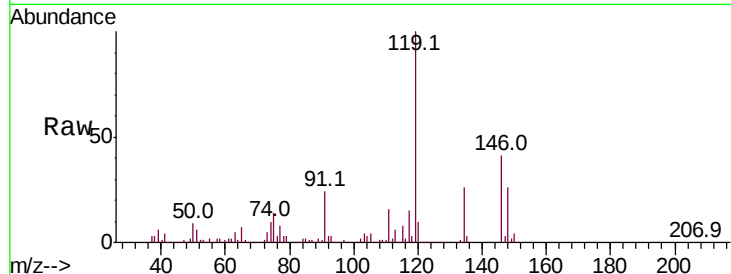
Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 458590

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.3
148	63.5	31.4	94.2



#88

1,4-Dichlorobenzene

Concen: 44.987 ug/l

RT: 13.60 min Scan# 1985

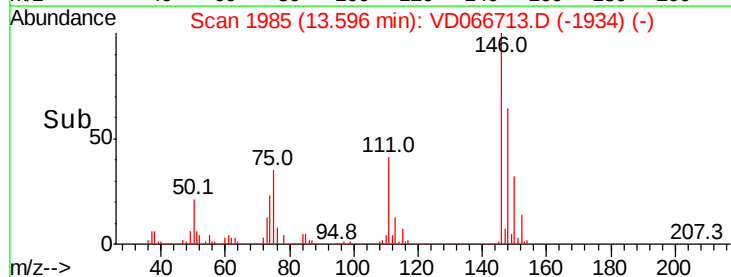
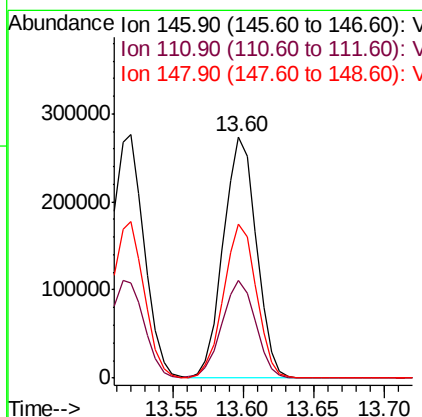
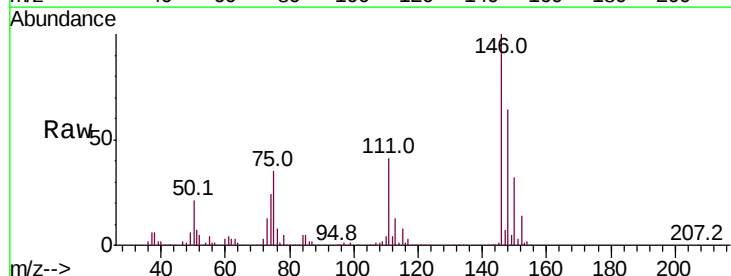
Delta R.T. 0.00 min

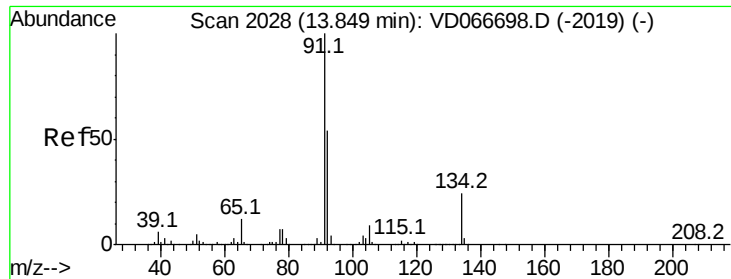
Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Tgt Ion:146 Resp: 447552

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	63.4	32.7	98.1

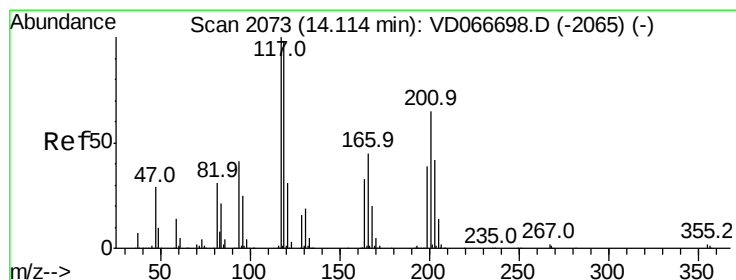
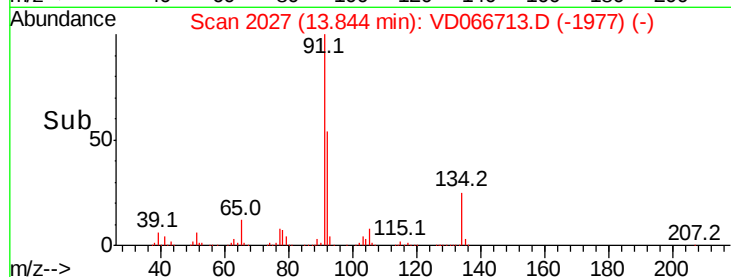
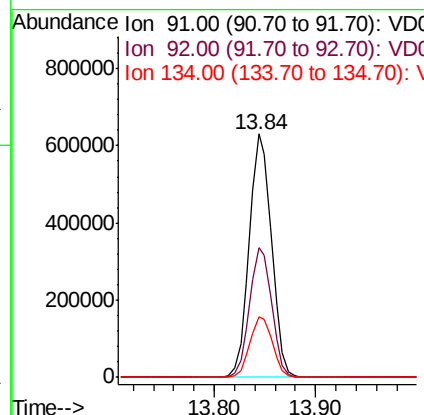
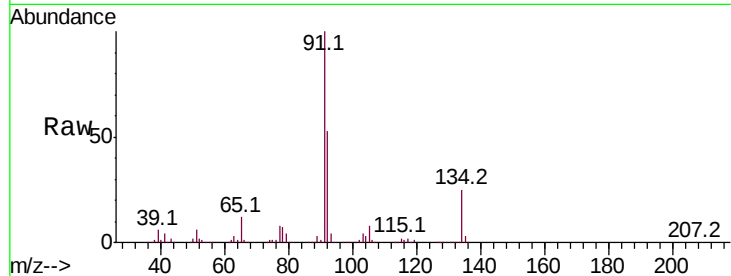




#89
n-Butylbenzene
Concen: 49.160 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

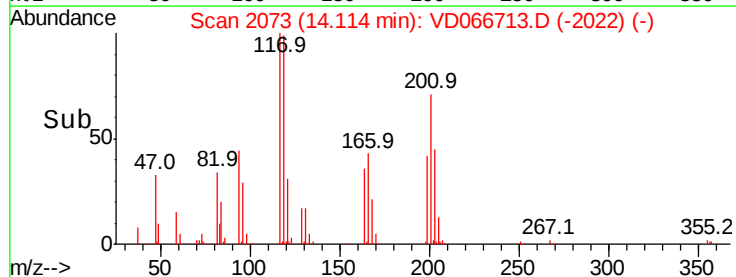
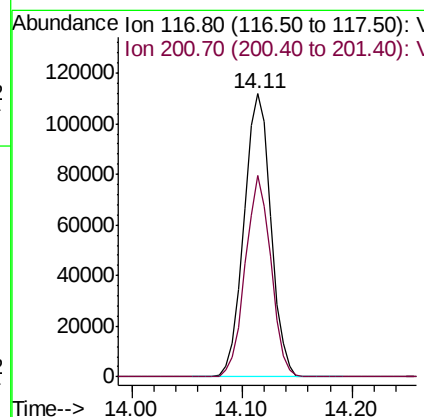
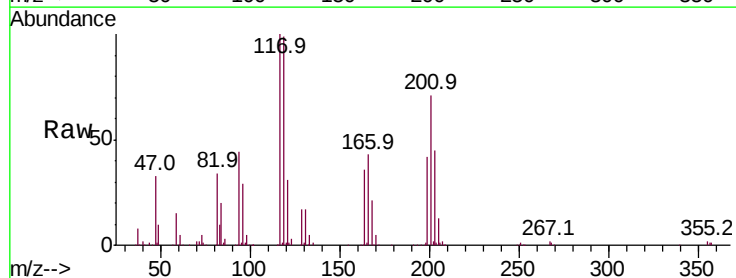
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

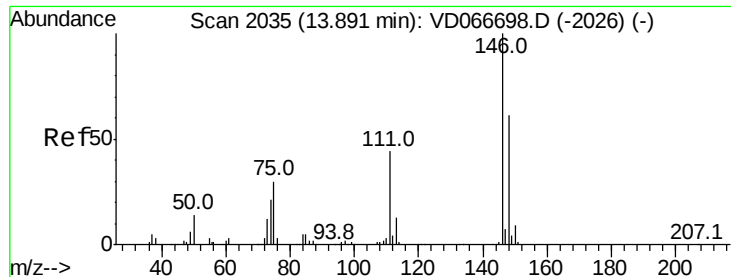
Tot Ion: 91 Resp: 959264
Ion Ratio Lower Upper
91 100
92 53.2 27.0 81.0
134 25.2 12.4 37.0



#90
Hexachloroethane
Concen: 45.421 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion: 117 Resp: 191478
Ion Ratio Lower Upper
117 100
201 67.8 33.1 99.3





#91

1,2-Dichlorobenzene

Concen: 45.068 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

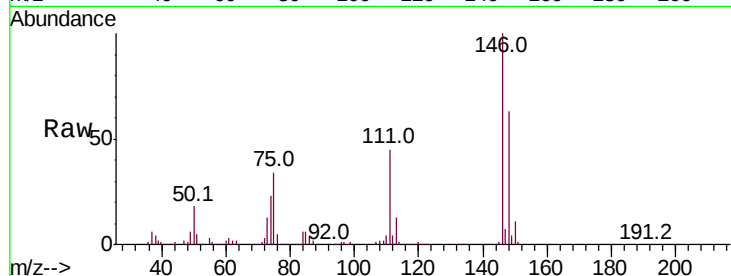
Tot Ion:146 Resp: 385794

Ion Ratio Lower Upper

146 100

111 43.5 21.6 64.6

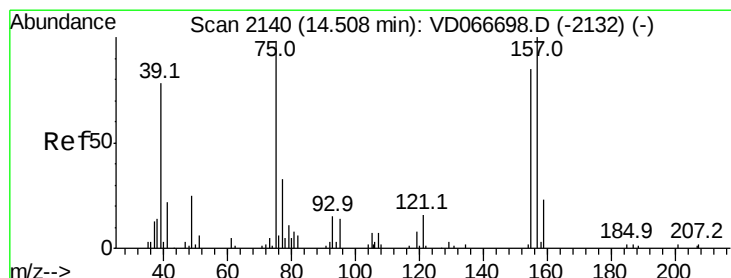
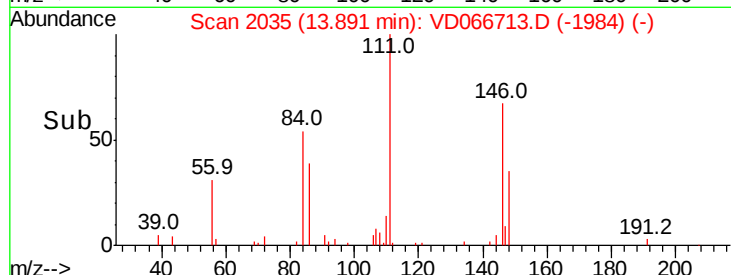
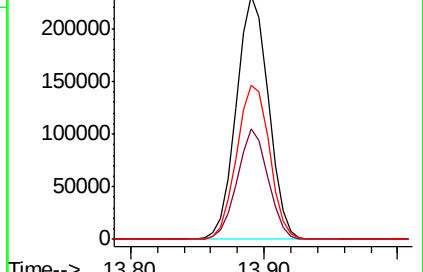
148 64.6 31.4 94.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.462 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD066713.D

Acq: 16 Sep 2020 12:09

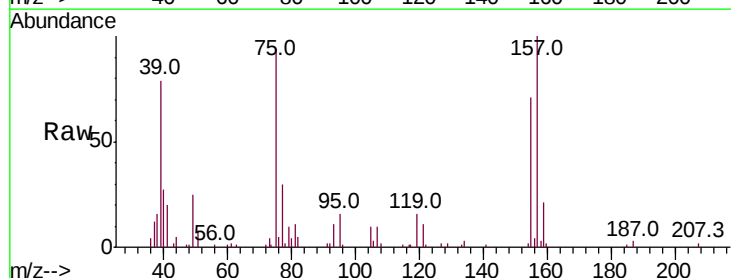
Tgt Ion: 75 Resp: 29455

Ion Ratio Lower Upper

75 100

155 72.0 38.9 116.7

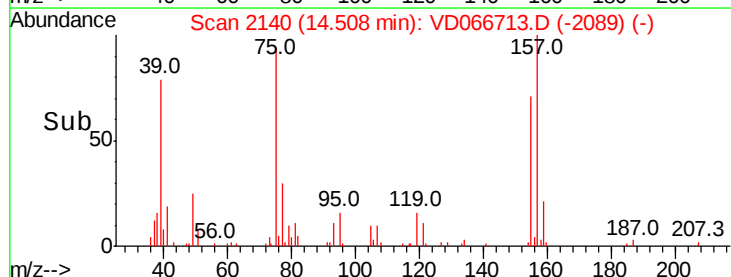
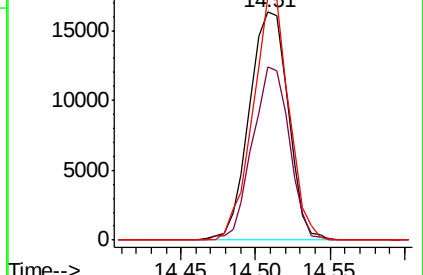
157 98.4 46.4 139.2

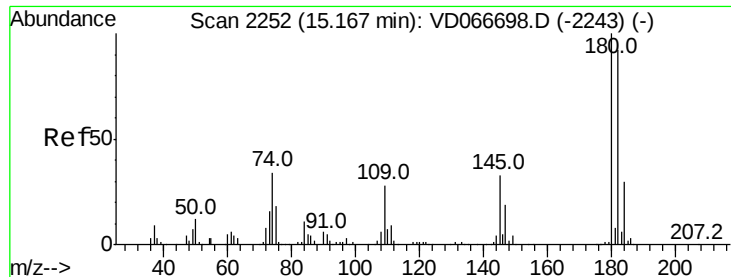


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

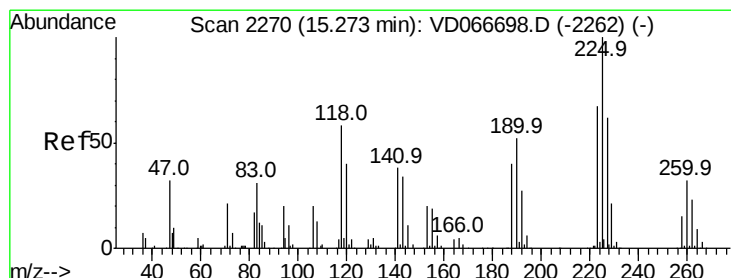
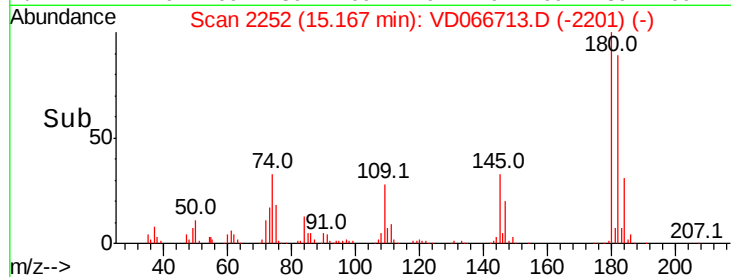
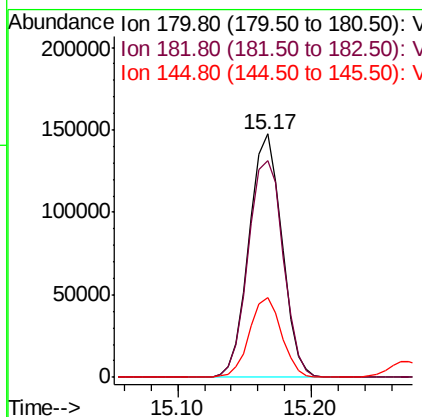
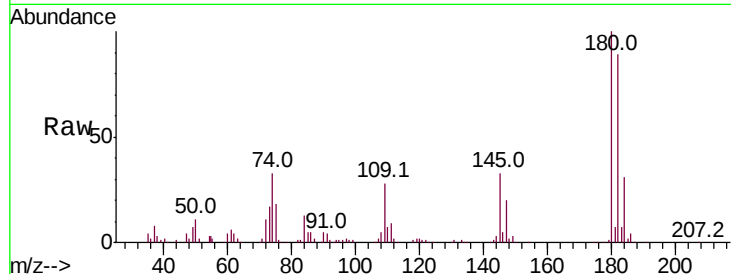




#93
 1,2,4-Trichlorobenzene
 Concen: 48.481 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

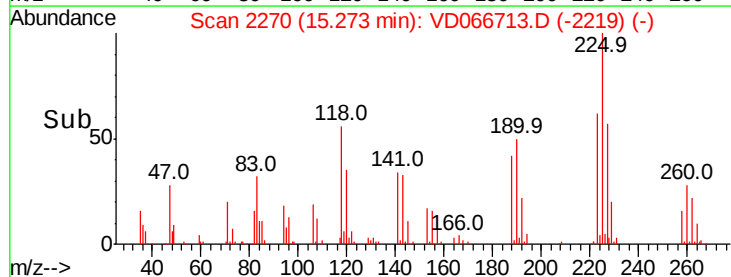
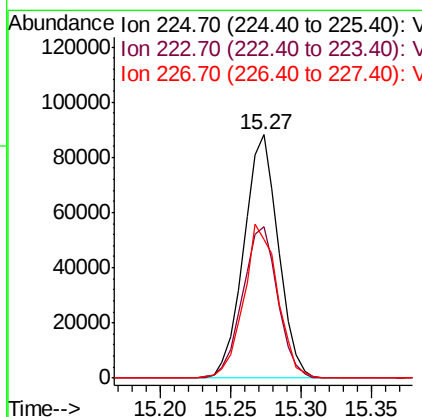
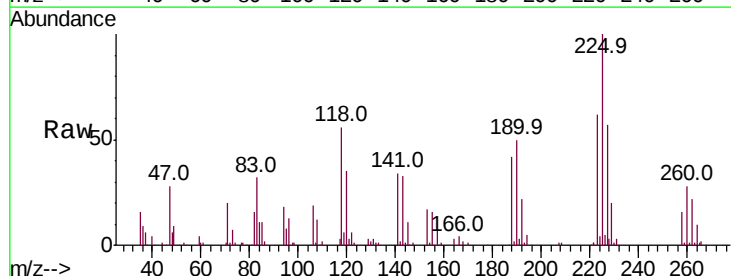
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

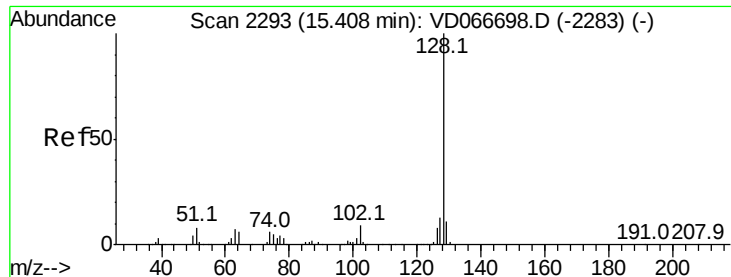
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.6	139.7
145	32.1	16.5	49.5



#94
 Hexachlorobutadiene
 Concen: 48.446 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066713.D
 Acq: 16 Sep 2020 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.9
227	61.9	31.3	93.9

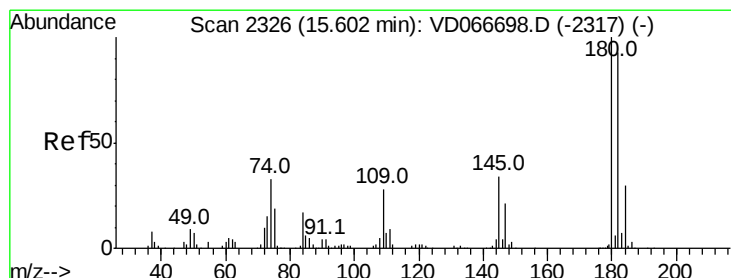
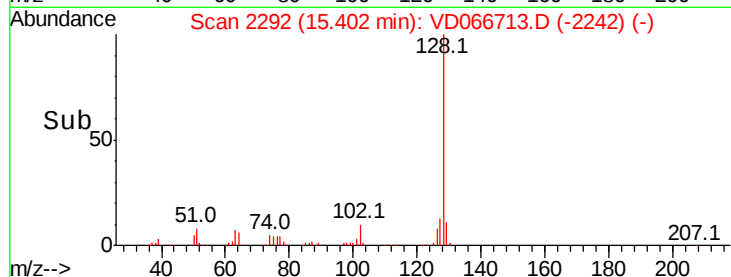
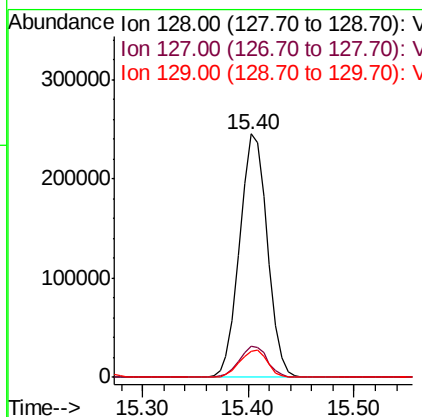
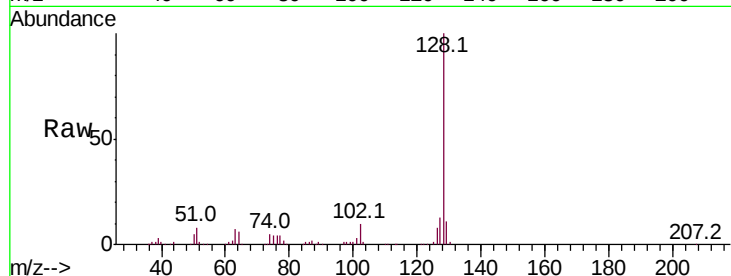




#95
Naphthalene
Concen: 49.494 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 447730
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 47.705 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066713.D
Acq: 16 Sep 2020 12:09

Tgt Ion:180 Resp: 215737
Ion Ratio Lower Upper
180 100
182 93.2 46.6 139.8
145 33.3 17.1 51.3

