

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066409.D
 Acq On : 25 Aug 2020 18:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 26 08:06:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	195344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	288207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	273089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145327	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	122664	64.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.10%	
35) Dibromofluoromethane	7.91	113	104737	58.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.24%	
50) Toluene-d8	10.33	98	373795	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
62) 4-Bromofluorobenzene	12.63	95	139407	59.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	68178	41.053	ug/l	99
3) Chloromethane	2.20	50	53798	45.701	ug/l	100
4) Vinyl Chloride	2.34	62	58645	46.400	ug/l	99
5) Bromomethane	2.76	94	58214	61.578	ug/l	99
6) Chloroethane	2.91	64	38207	47.209	ug/l	96
7) Trichlorofluoromethane	3.27	101	160681	46.752	ug/l	99
8) Diethyl Ether	3.70	74	44415	57.678	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.08	101	75891	44.744	ug/l	99
10) Methyl Iodide	4.30	142	35473	18.337	ug/l	98
11) Tert butyl alcohol	5.23	59	36881	354.258	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	75228	47.250	ug/l	99
13) Acrolein	3.92	56	15767	185.397	ug/l	100
14) Allyl chloride	4.70	41	106786	50.251	ug/l	99
15) Acrylonitrile	5.41	53	87521	283.274	ug/l	99
16) Acetone	4.16	43	76425	221.349	ug/l	97
17) Carbon Disulfide	4.40	76	223858	46.395	ug/l	97
18) Methyl Acetate	4.72	43	37158	57.341	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	225919	58.930	ug/l	95
20) Methylene Chloride	4.96	84	93506	50.778	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	91842	49.556	ug/l	97
22) Diisopropyl ether	6.36	45	217023	52.747	ug/l	96
23) Vinyl Acetate	6.30	43	696960	273.632	ug/l	99
24) 1,1-Dichloroethane	6.26	63	147267	50.650	ug/l	99
25) 2-Butanone	7.21	43	105853	270.056	ug/l	99
26) 2,2-Dichloropropane	7.20	77	139192	44.666	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103158	51.947	ug/l	97
28) Bromochloromethane	7.54	49	61965	61.870	ug/l	96
29) Tetrahydrofuran	7.56	42	64117	287.995	ug/l	94
30) Chloroform	7.70	83	178135	52.953	ug/l	97
31) Cyclohexane	7.97	56	109713	41.258	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	173439	50.375	ug/l	99
36) 1,1-Dichloropropene	8.10	75	122992	46.770	ug/l	98
37) Ethyl Acetate	7.28	43	48166	53.853	ug/l #	90
38) Carbon Tetrachloride	8.09	117	168371	49.144	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	136810	44.165	ug/l	97
40) Benzene	8.34	78	346993	50.158	ug/l	95
41) Methacrylonitrile	7.51	41	50531	91.615	ug/l #	83
42) 1,2-Dichloroethane	8.41	62	135157	55.472	ug/l	100
43) Isopropyl Acetate	8.44	43	101782	56.697	ug/l	98
44) Trichloroethene	9.11	130	109740	48.819	ug/l	99
45) 1,2-Dichloropropane	9.38	63	78461	50.028	ug/l	93
46) Dibromomethane	9.47	93	53826	55.123	ug/l	100
47) Bromodichloromethane	9.66	83	146295	54.479	ug/l	97
48) Methyl methacrylate	9.45	41	49019	52.952	ug/l	96
49) 1,4-Dioxane	9.46	88	13698	1208.103	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	245898	283.148	ug/l	99
52) Toluene	10.40	92	238436	50.873	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	132270	51.910	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	145623	50.915	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	68734	51.995	ug/l	93
56) Ethyl methacrylate	10.66	69	87459	57.152	ug/l	94
57) 1,3-Dichloropropane	10.94	76	118433	54.163	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	194459	305.960	ug/l	97
59) 2-Hexanone	10.98	43	172235	281.168	ug/l	99
60) Dibromochloromethane	11.14	129	109674	55.041	ug/l	97
61) 1,2-Dibromoethane	11.24	107	70353	54.080	ug/l	97
64) Tetrachloroethene	10.87	164	99803	48.176	ug/l	94
65) Chlorobenzene	11.67	112	267265	49.192	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	112778	50.793	ug/l	99
67) Ethyl Benzene	11.74	91	467787	48.913	ug/l	95
68) m/p-Xylenes	11.85	106	351232	96.354	ug/l	95
69) o-Xylene	12.18	106	169761	50.060	ug/l	99
70) Styrene	12.20	104	295246	50.705	ug/l	98
71) Bromoform	12.36	173	69011	54.784	ug/l #	98
73) Isopropylbenzene	12.48	105	462973	47.556	ug/l	98
74) N-amyl acetate	12.29	43	93280	53.051	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	72069	51.821	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	101570	99.346	ug/l #	1
77) Bromobenzene	12.76	156	122440	49.552	ug/l	97
78) n-propylbenzene	12.82	91	510912	45.770	ug/l	100
79) 2-Chlorotoluene	12.91	91	308130	48.331	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	397127	47.245	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23900	49.621	ug/l	98
82) 4-Chlorotoluene	13.00	91	326497	48.337	ug/l	99
83) tert-Butylbenzene	13.23	119	343281	47.018	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	398956	48.323	ug/l	100
85) sec-Butylbenzene	13.40	105	435748	45.553	ug/l	100
86) p-Isopropyltoluene	13.52	119	434283	47.083	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	225601	48.911	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	225517	48.695	ug/l	99
89) n-Butylbenzene	13.84	91	364119	44.735	ug/l	99
90) Hexachloroethane	14.11	117	83585	45.874	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	200442	50.480	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15590	53.448	ug/l	98

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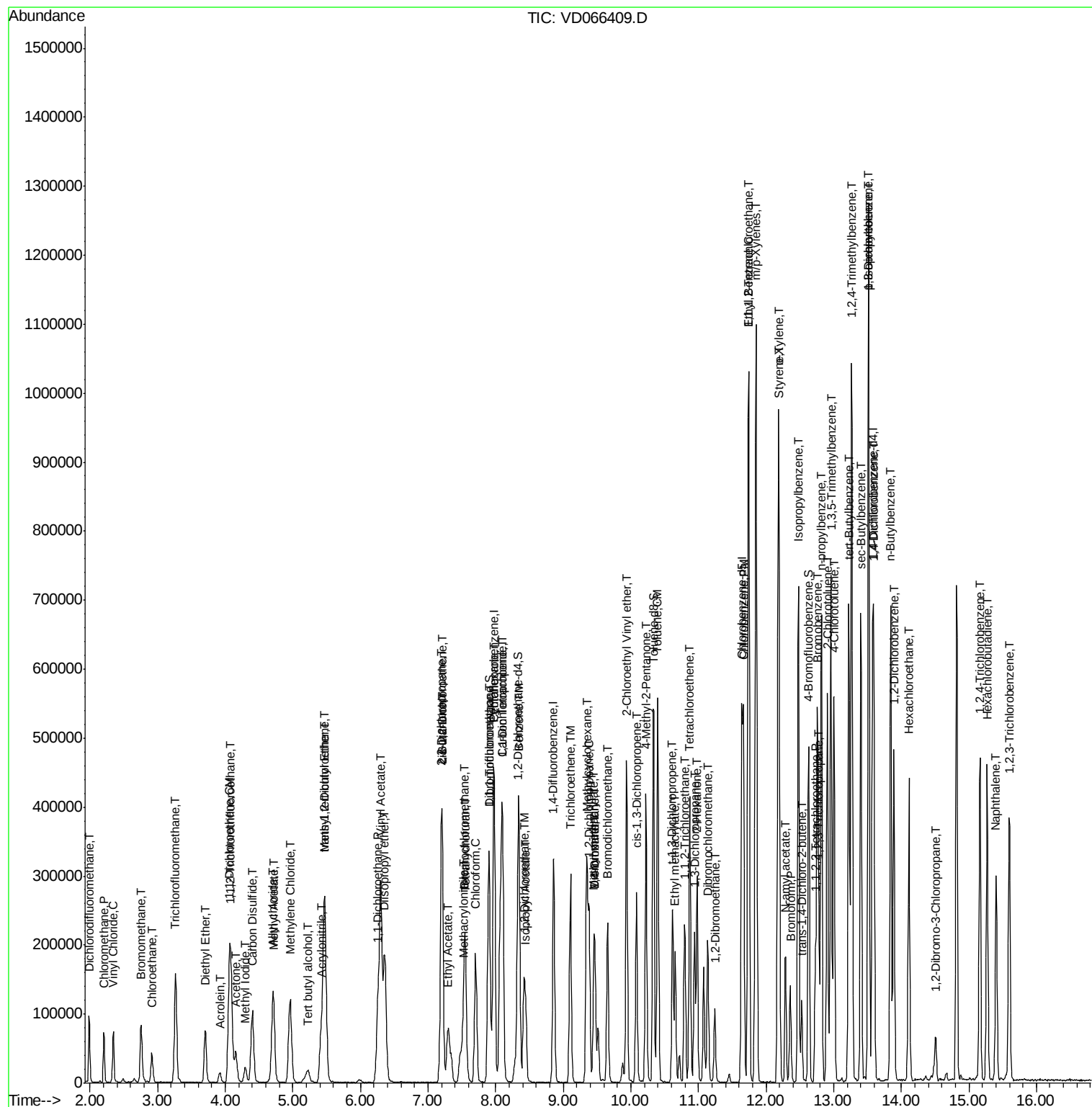
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	156700	50.550	ug/l	99
94) Hexachlorobutadiene	15.27	225	92076	47.797	ug/l	95
95) Naphthalene	15.41	128	272577	55.985	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	136383	51.359	ug/l	96

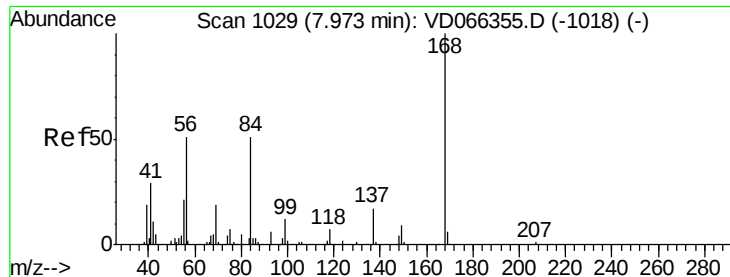
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082520\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

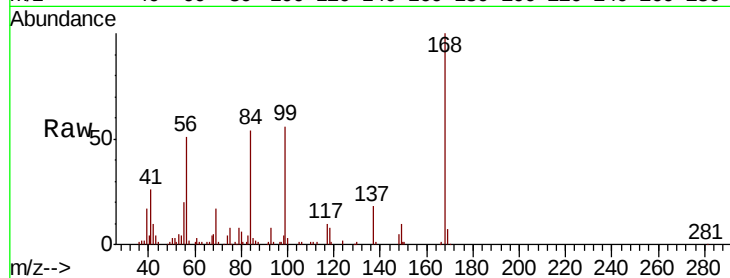
VSTDCCC050EC

Tot Ion:168 Resp: 195344

Ion Ratio Lower Upper

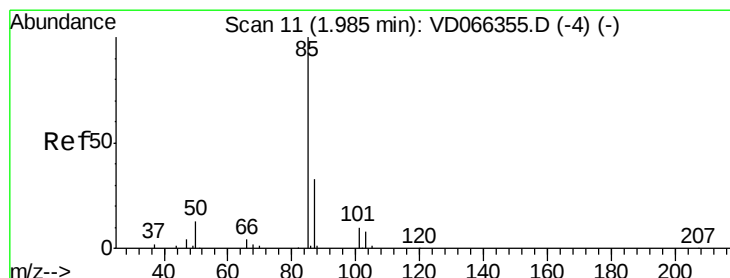
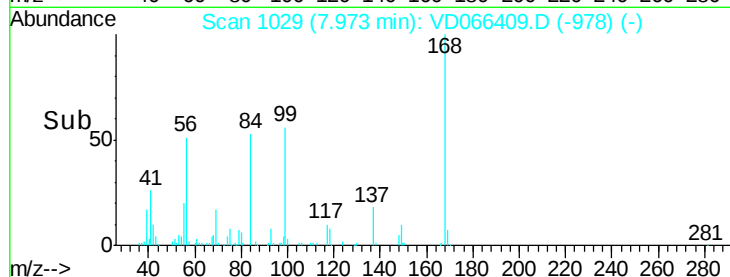
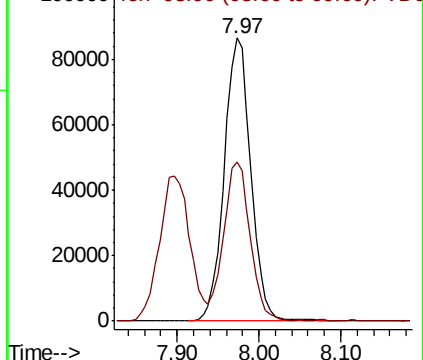
168 100

99 56.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.053 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066409.D

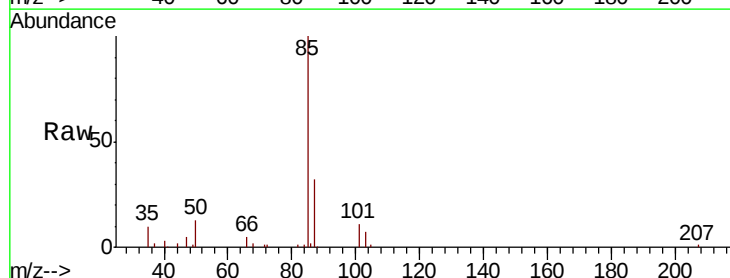
Acq: 25 Aug 2020 18:25

Tgt Ion: 85 Resp: 68178

Ion Ratio Lower Upper

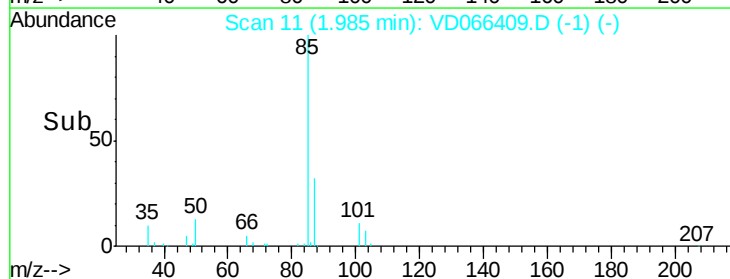
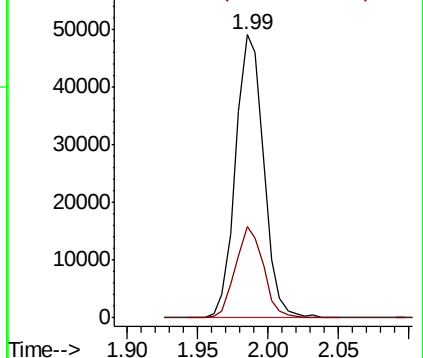
85 100

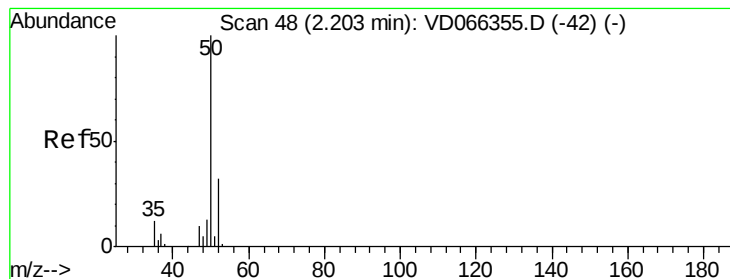
87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.701 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

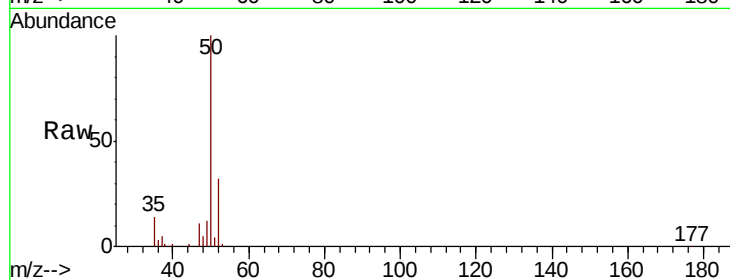
VSTDCCC050EC

Tot Ion: 50 Resp: 53798

Ion Ratio Lower Upper

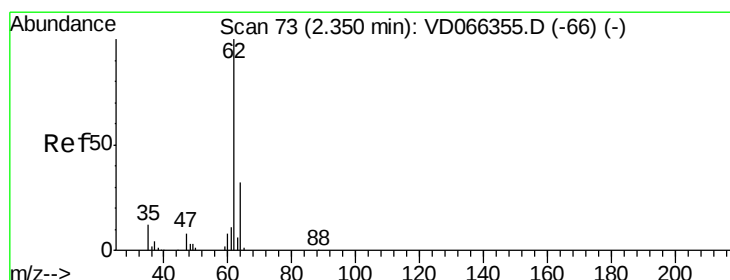
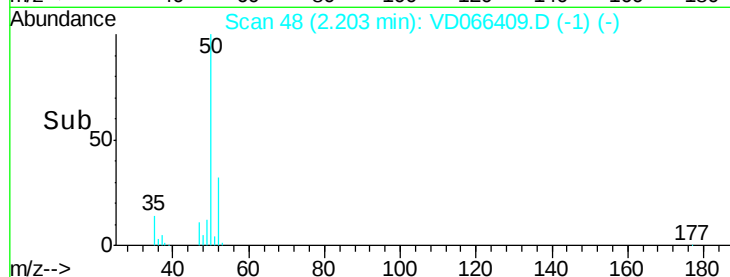
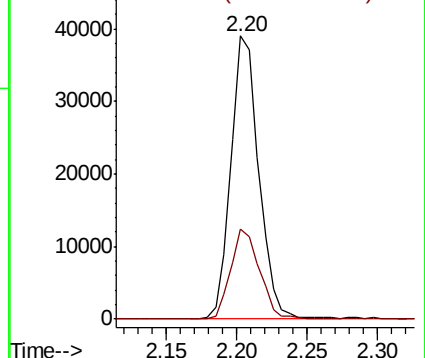
50 100

52 31.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.400 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066409.D

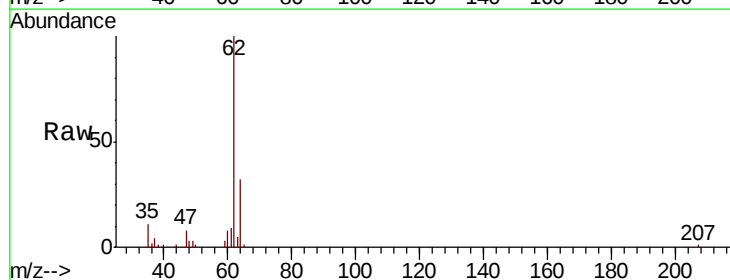
Acq: 25 Aug 2020 18:25

Tgt Ion: 62 Resp: 58645

Ion Ratio Lower Upper

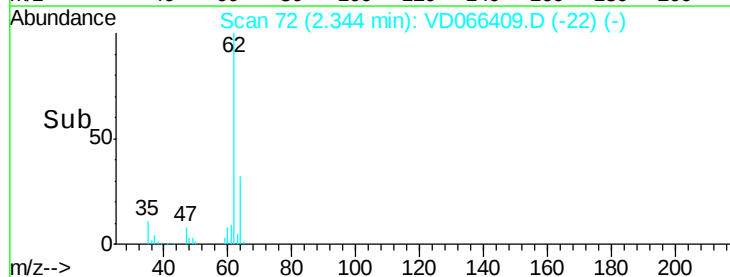
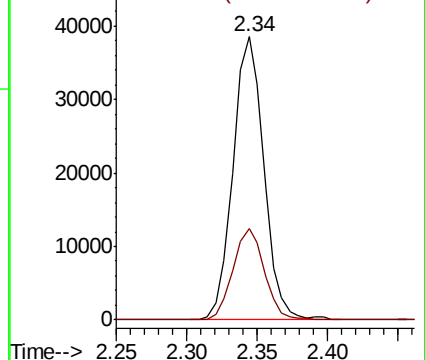
62 100

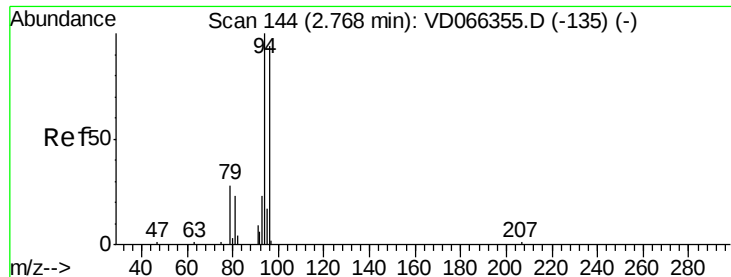
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 61.578 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

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ClientSampleId :

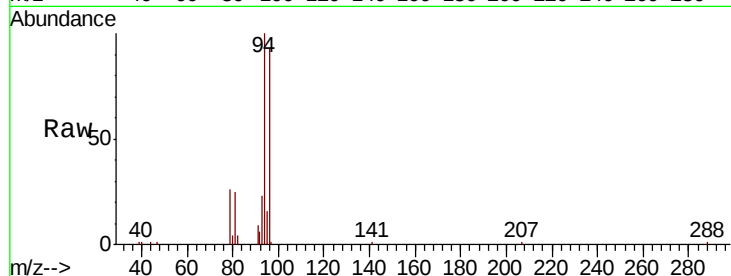
VSTDCCC050EC

Tot Ion: 94 Resp: 58214

Ion Ratio Lower Upper

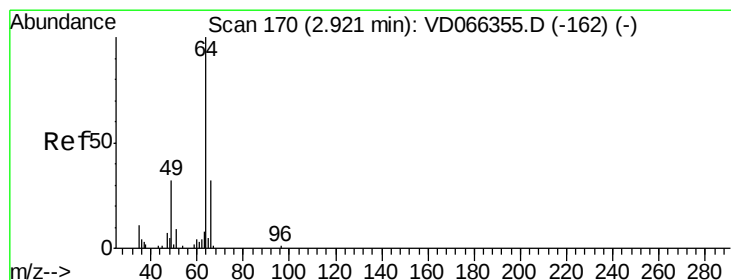
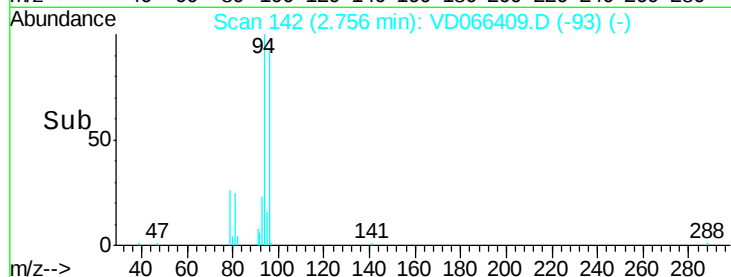
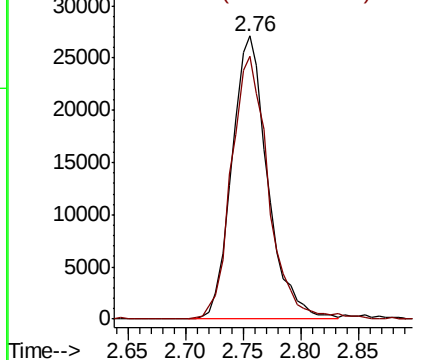
94 100

96 93.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.209 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066409.D

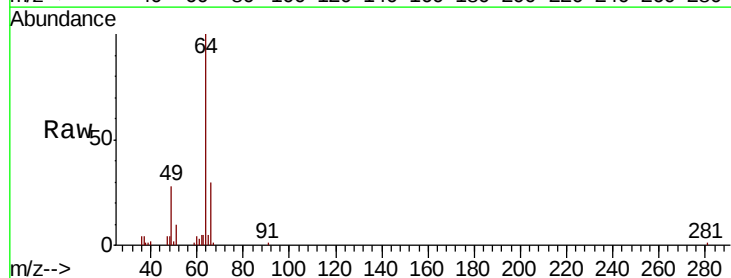
Acq: 25 Aug 2020 18:25

Tgt Ion: 64 Resp: 38207

Ion Ratio Lower Upper

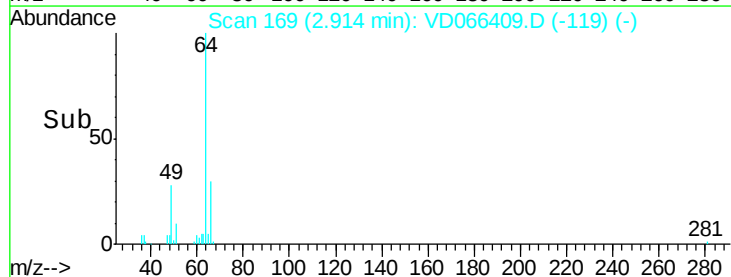
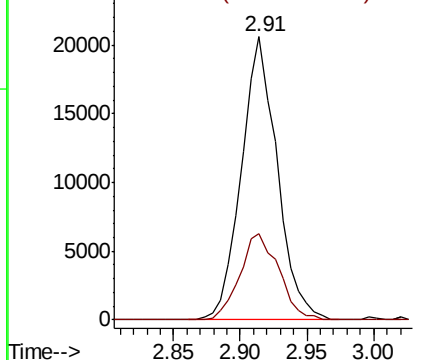
64 100

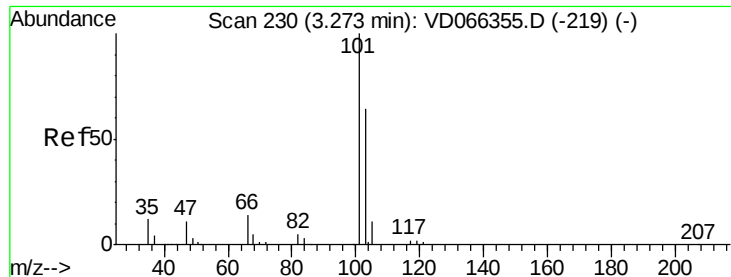
66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 46.752 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

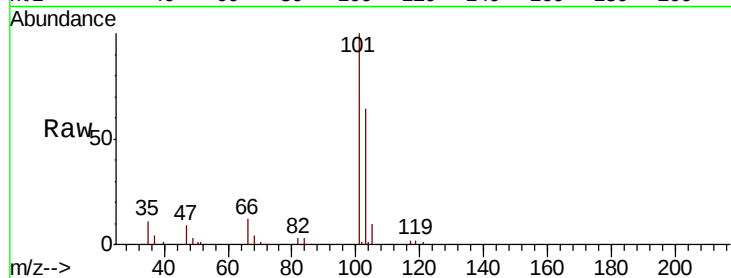
VSTDCCC050EC

Tot Ion:101 Resp: 160681

Ion Ratio Lower Upper

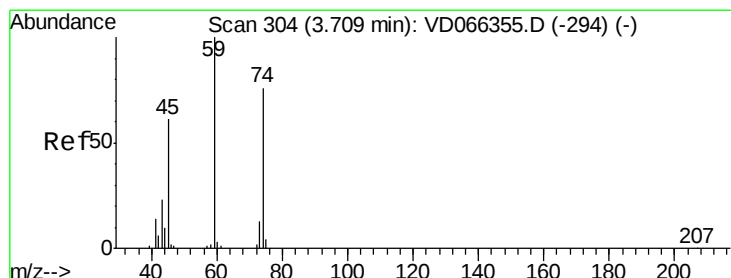
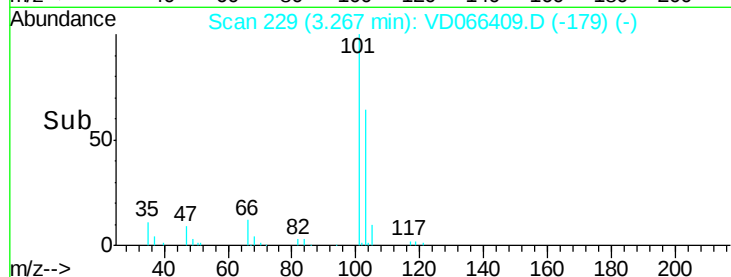
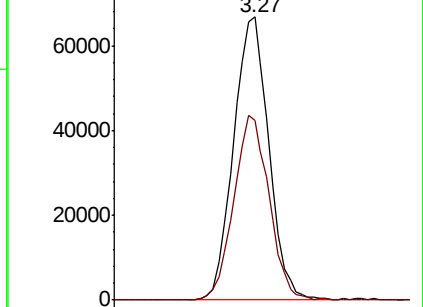
101 100

103 63.7 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 57.678 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD066409.D

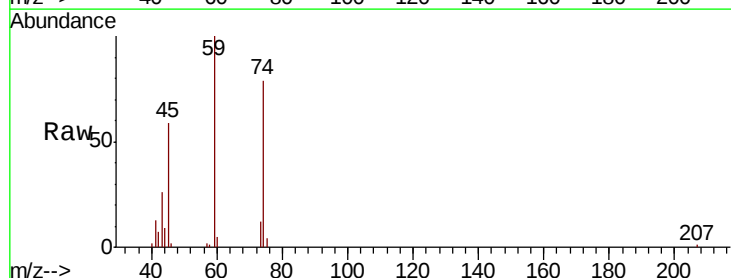
Acq: 25 Aug 2020 18:25

Tgt Ion: 74 Resp: 44415

Ion Ratio Lower Upper

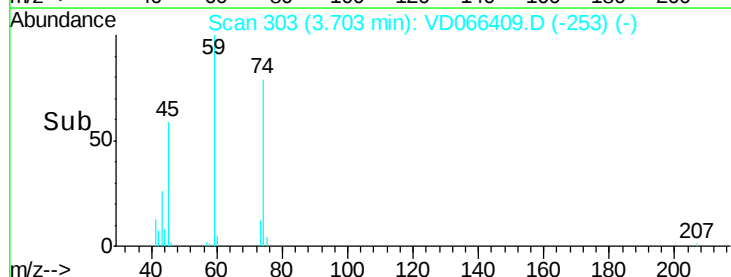
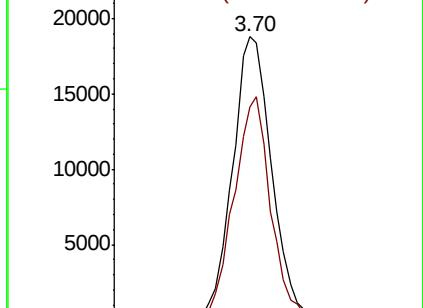
74 100

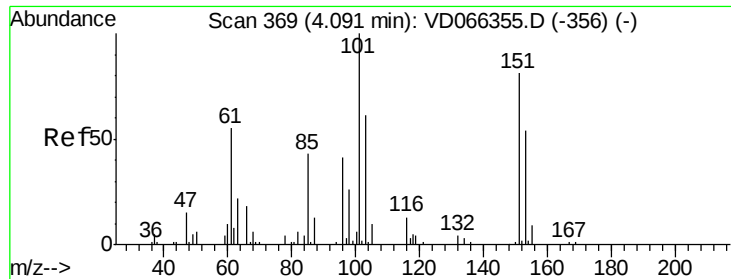
45 74.0 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.744 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

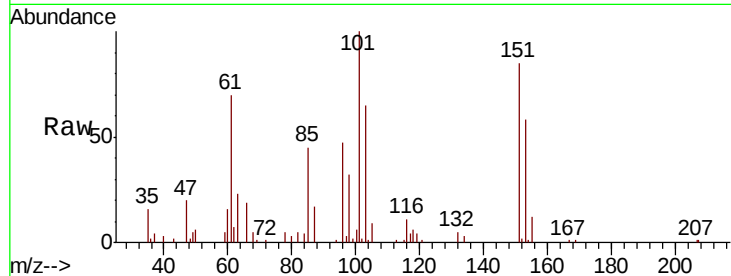
Tot Ion:101 Resp: 75891

Ion Ratio Lower Upper

101 100

85 45.1 36.4 54.6

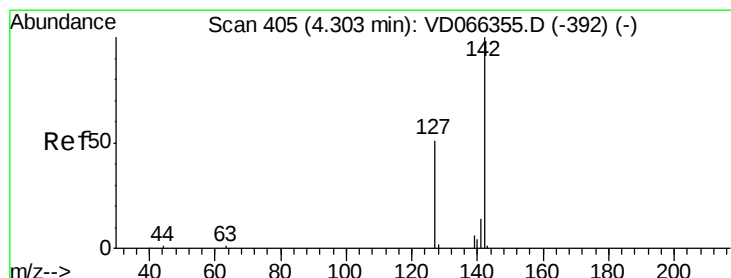
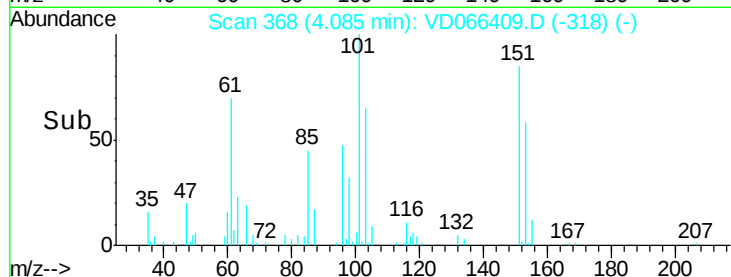
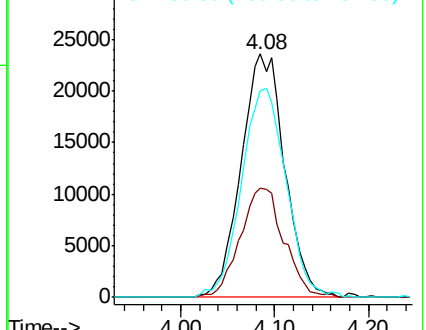
151 87.5 70.5 105.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.337 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

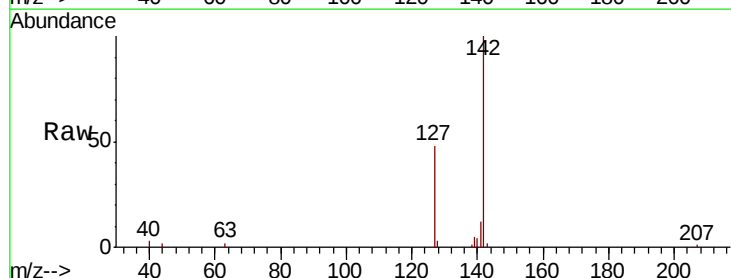
Tgt Ion:142 Resp: 35473

Ion Ratio Lower Upper

142 100

127 51.1 41.8 62.8

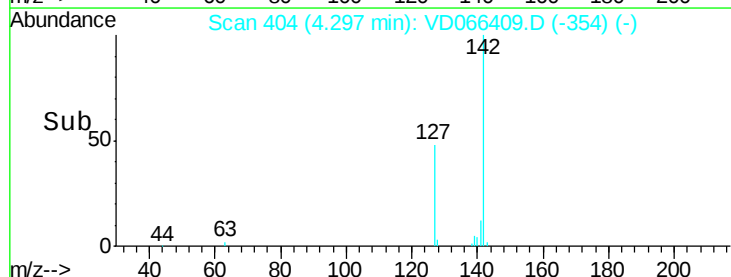
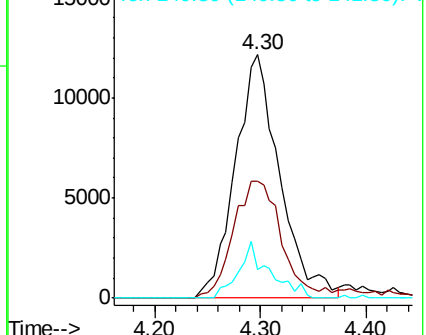
141 16.0 11.8 17.6

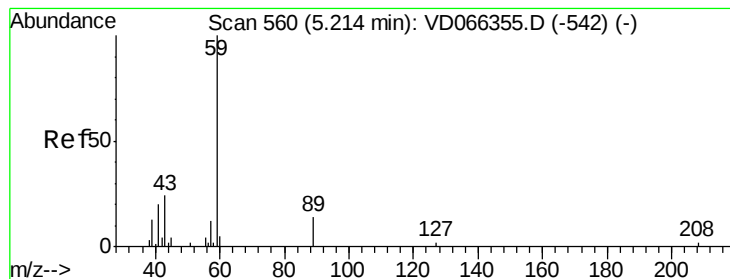


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 354.258 ug/l

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

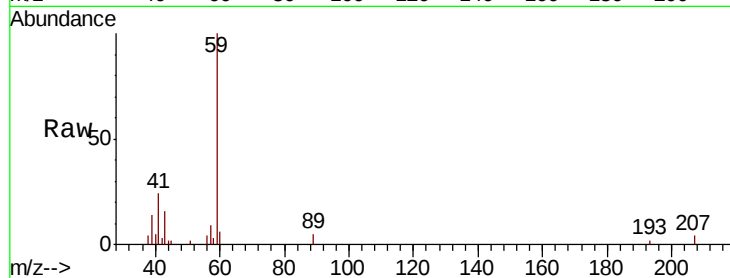
VSTDCCC050EC

Tot Ion: 59 Resp: 36881

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

10000

8000

6000

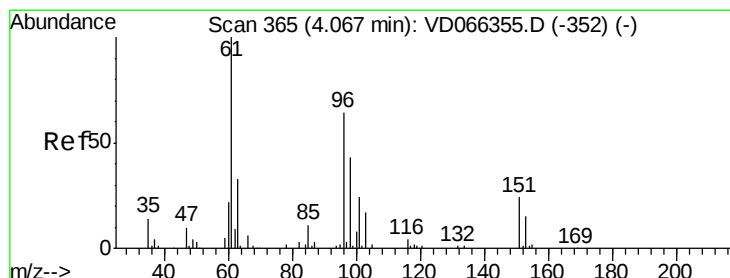
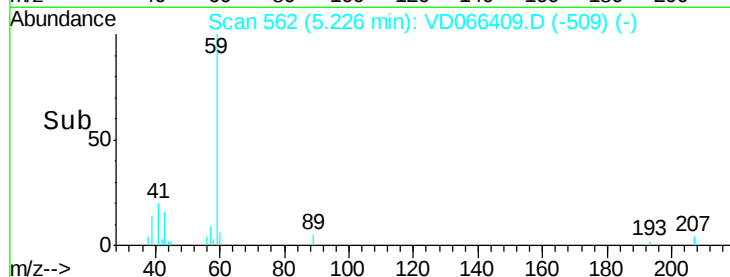
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 47.250 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

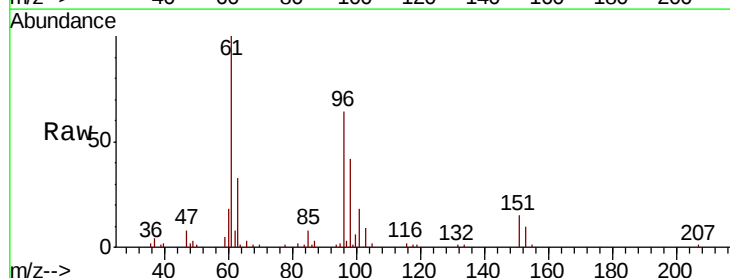
Tgt Ion: 96 Resp: 75228

Ion Ratio Lower Upper

96 100

61 156.8 124.3 186.5

98 65.1 53.2 79.8



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

60000

50000

40000

30000

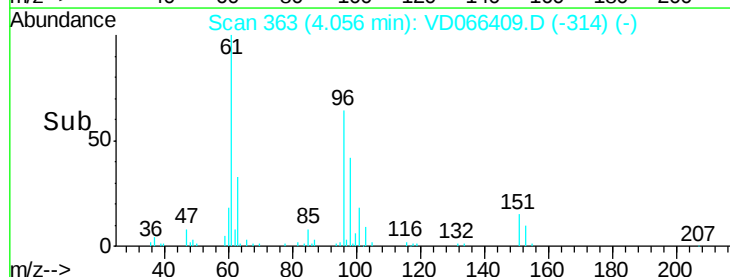
20000

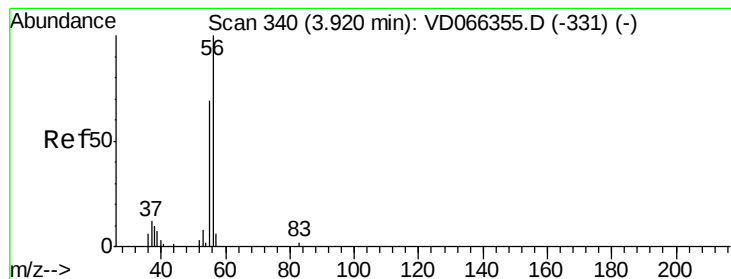
10000

0

Time-->

4.00 4.10





#13

Acrolein

Concen: 185.397 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

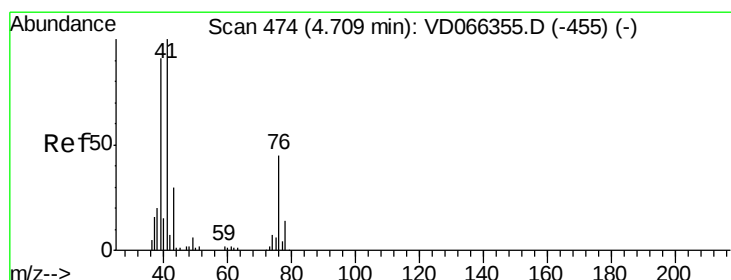
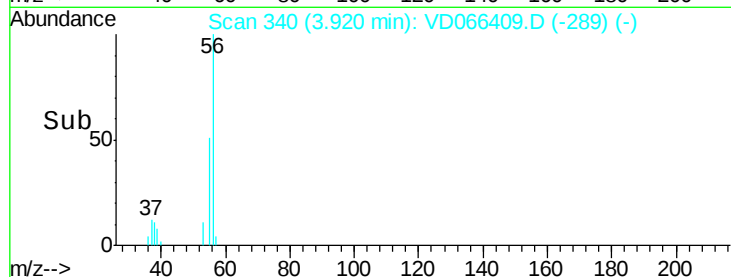
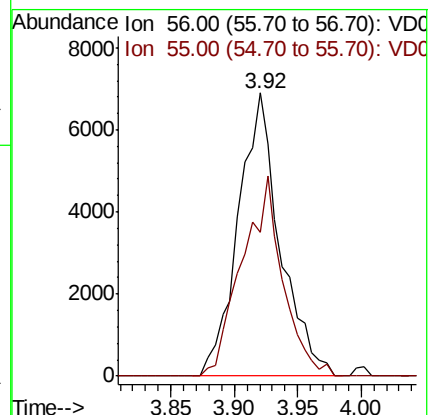
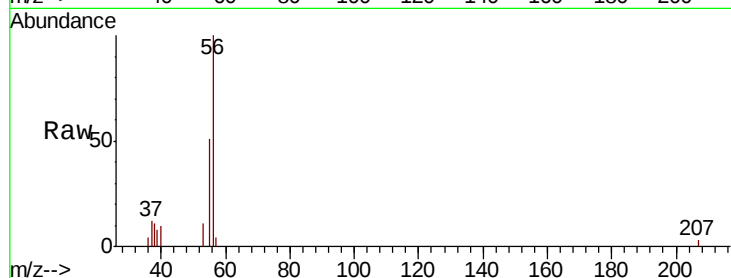
VSTDCCC050EC

Tot Ion: 56 Resp: 15767

Ion Ratio Lower Upper

56 100

55 69.3 55.5 83.3



#14

Allyl chloride

Concen: 50.251 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

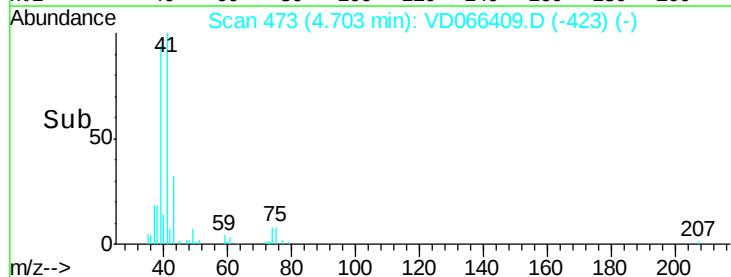
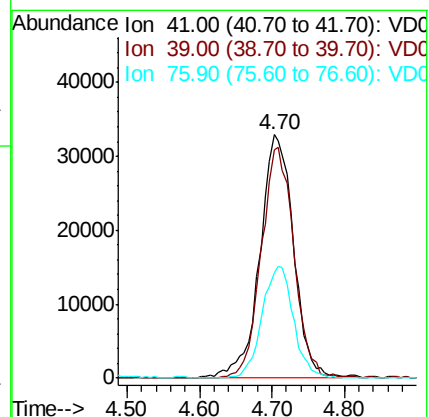
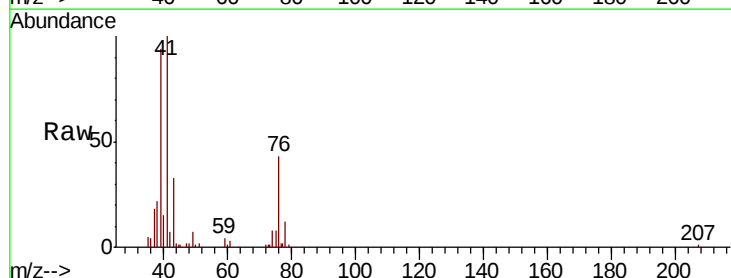
Tgt Ion: 41 Resp: 106786

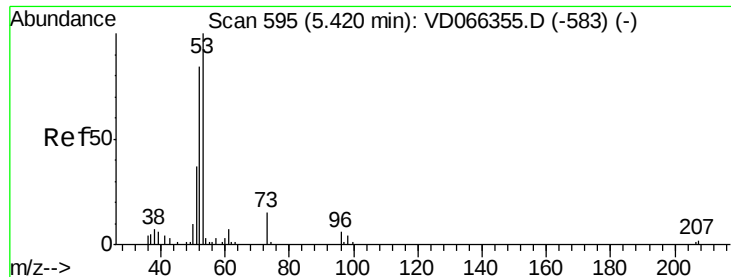
Ion Ratio Lower Upper

41 100

39 91.9 72.8 109.2

76 42.9 34.0 51.0





#15

Acrylonitrile

Concen: 283.274 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

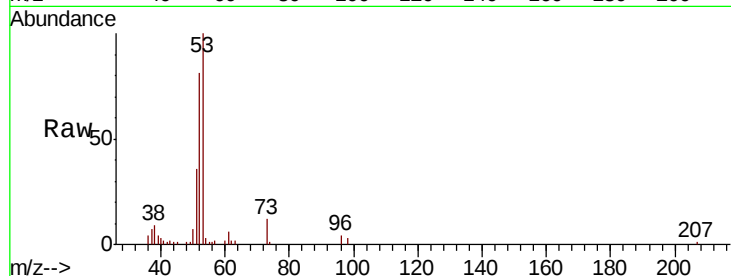
Tot Ion: 53 Resp: 87521

Ion Ratio Lower Upper

53 100

52 84.9 68.1 102.1

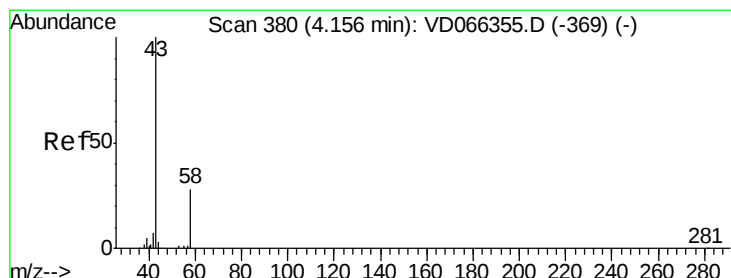
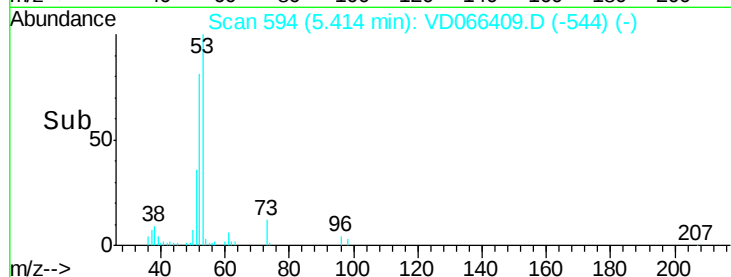
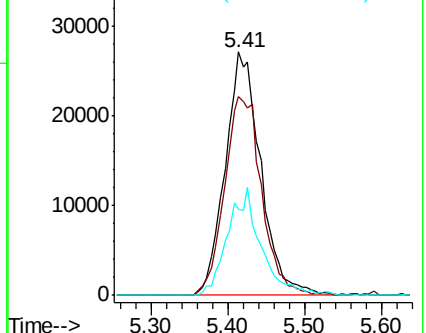
51 41.4 33.8 50.6



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: 221.349 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066409.D

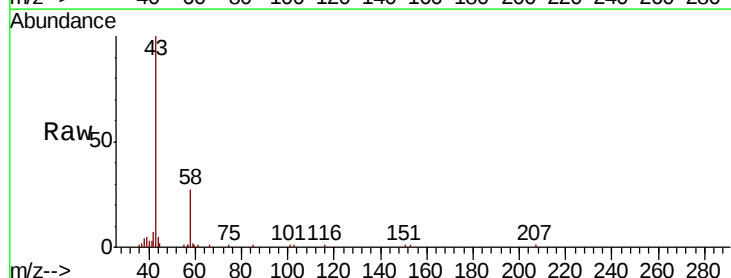
Acq: 25 Aug 2020 18:25

Tgt Ion: 43 Resp: 76425

Ion Ratio Lower Upper

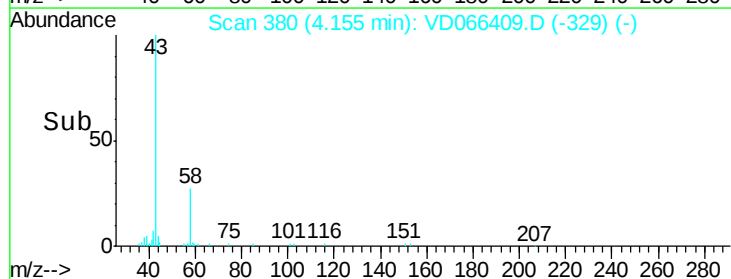
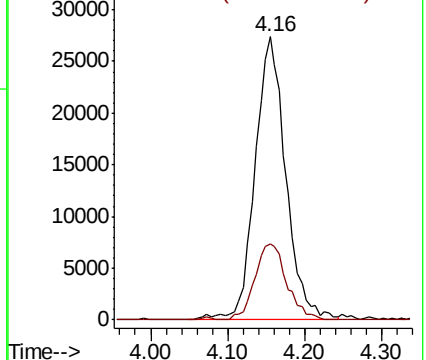
43 100

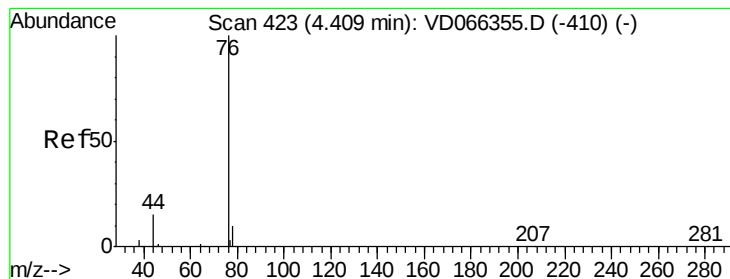
58 26.9 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 46.395 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

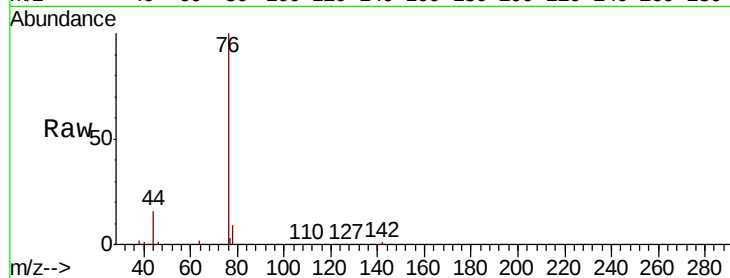
VSTDCCC050EC

Tot Ion: 76 Resp: 223858

Ion Ratio Lower Upper

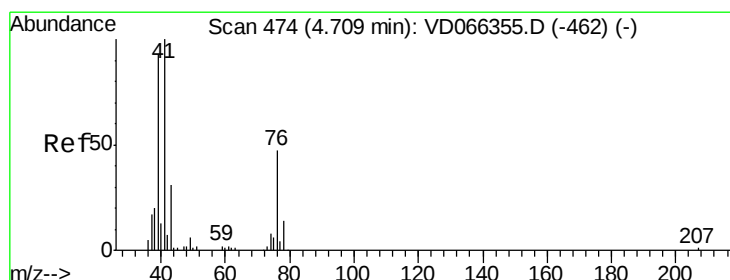
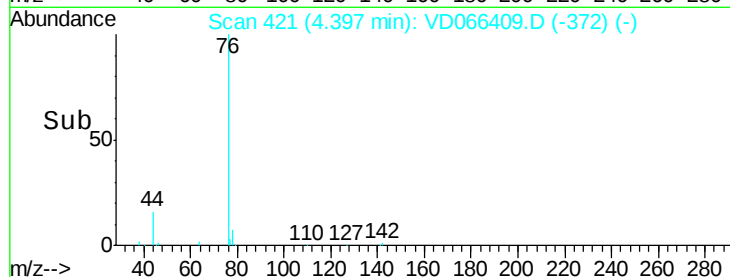
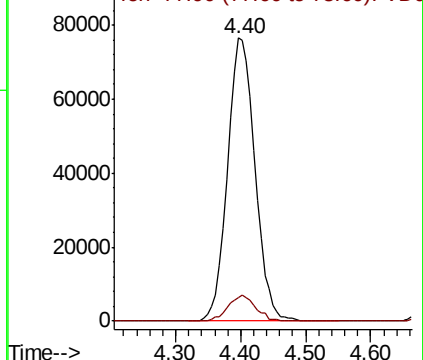
76 100

78 8.5 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 57.341 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066409.D

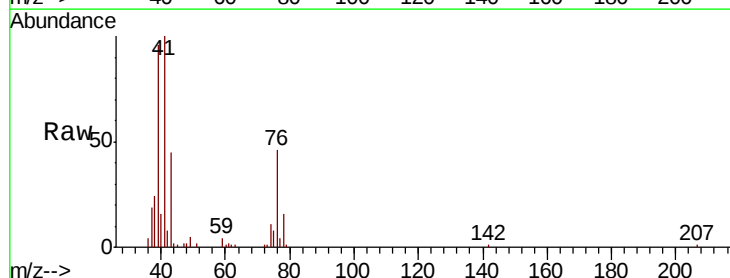
Acq: 25 Aug 2020 18:25

Tgt Ion: 43 Resp: 37158

Ion Ratio Lower Upper

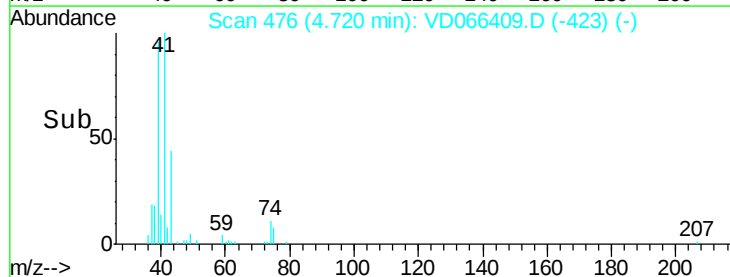
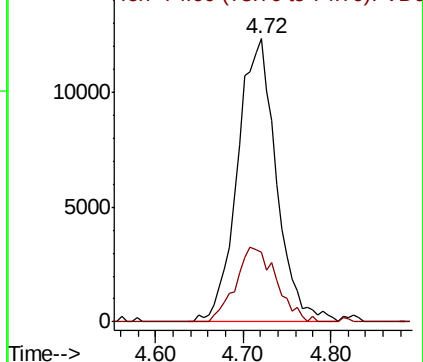
43 100

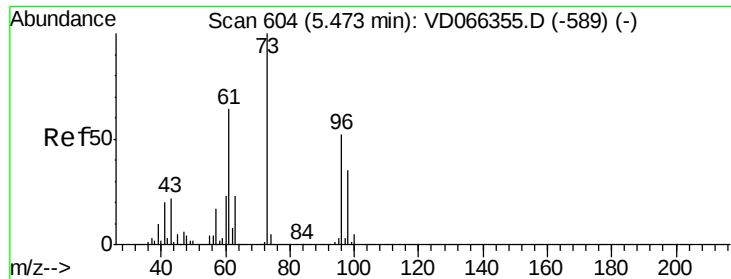
74 27.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

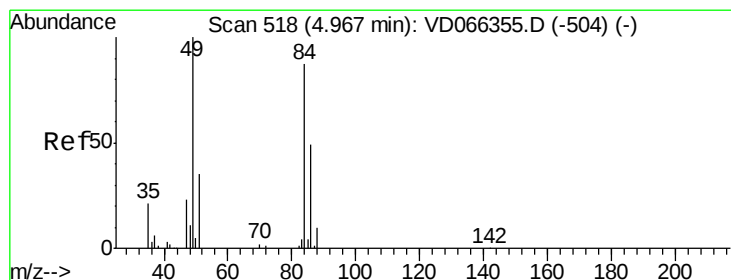
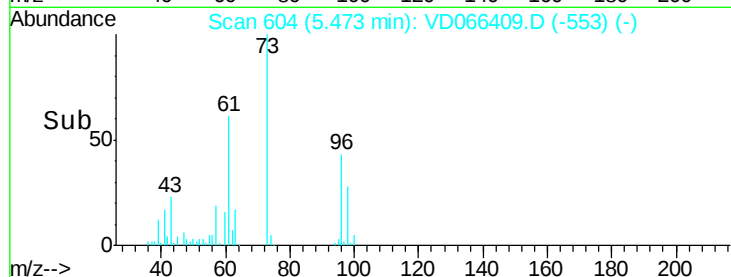
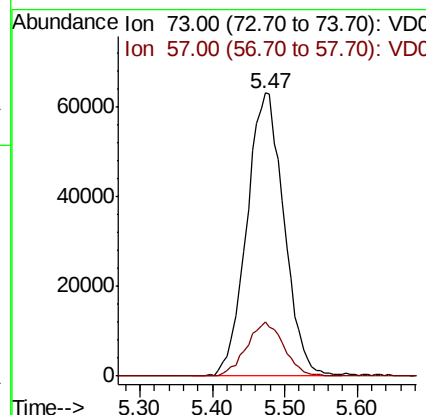
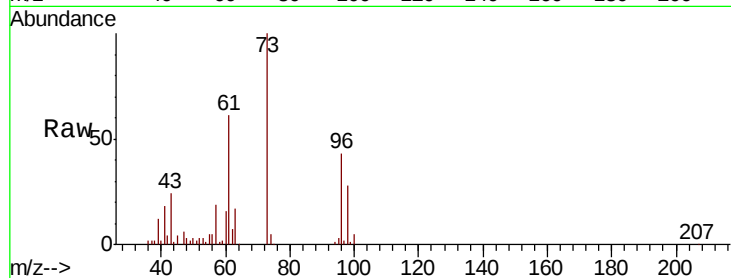




#19
Methvl tert-butvl Ether
Concen: 58.930 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

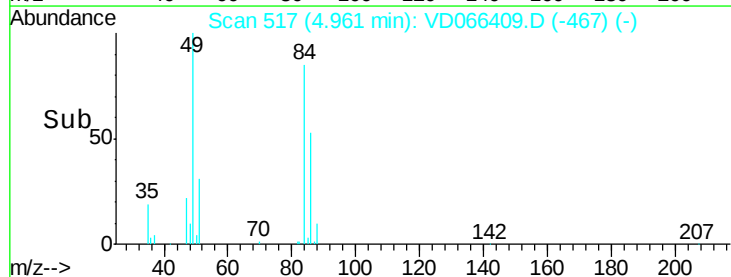
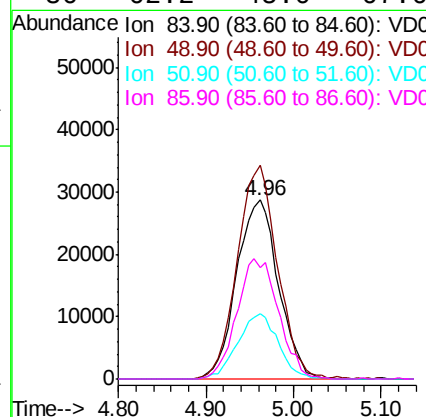
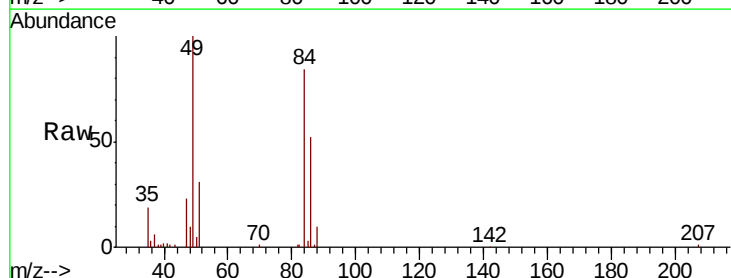
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

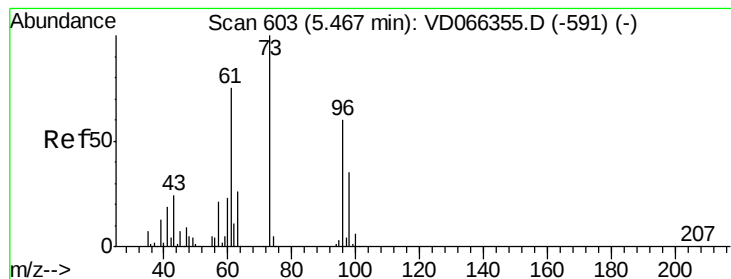
Tot Ion: 73 Resp: 225919
Ion Ratio Lower Upper
73 100
57 19.2 13.8 20.6



#20
Methylene Chloride
Concen: 50.778 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 84 Resp: 93506
Ion Ratio Lower Upper
84 100
49 119.3 92.5 138.7
51 36.5 32.5 48.7
86 62.2 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 49.556 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

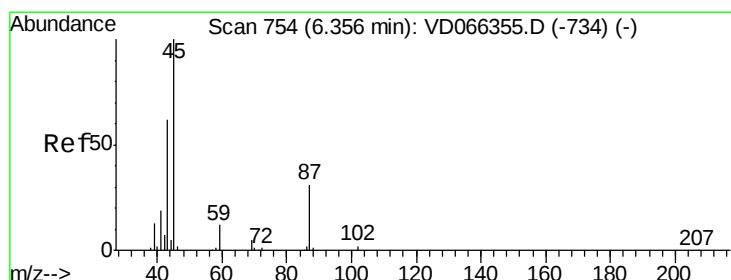
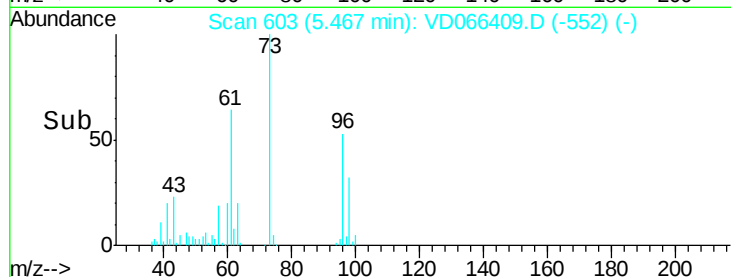
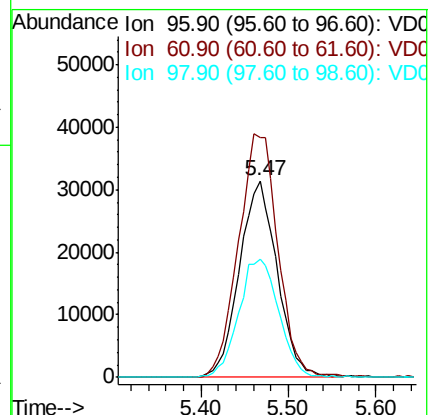
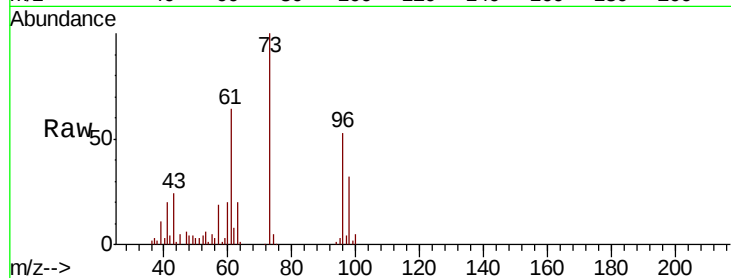
Tot Ion: 96 Resp: 91842

Ion Ratio Lower Upper

96 100

61 122.1 101.1 151.7

98 60.4 47.0 70.6



#22

Diisopropyl ether

Concen: 52.747 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Tgt Ion: 45 Resp: 217023

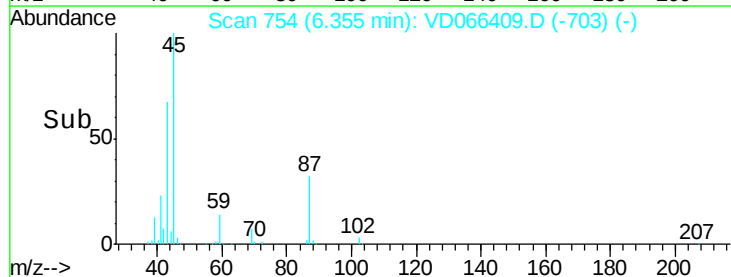
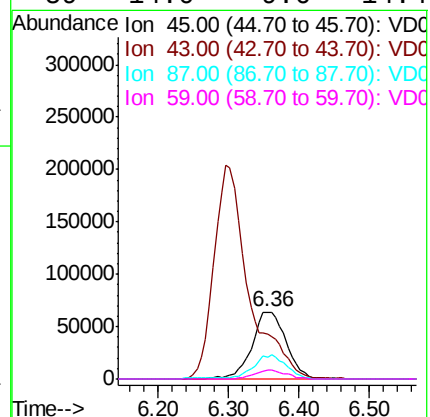
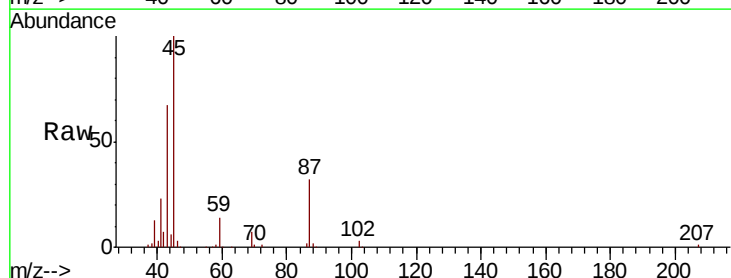
Ion Ratio Lower Upper

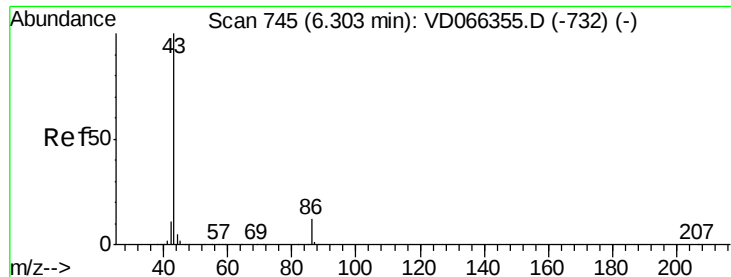
45 100

43 65.8 49.8 74.8

87 32.0 25.0 37.6

59 14.0 9.6 14.4





#23

Vinyl Acetate

Concen: 273.632 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

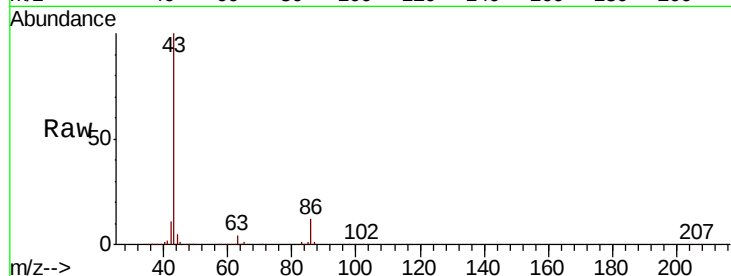
VSTDCCC050EC

Tot Ion: 43 Resp: 696960

Ion Ratio Lower Upper

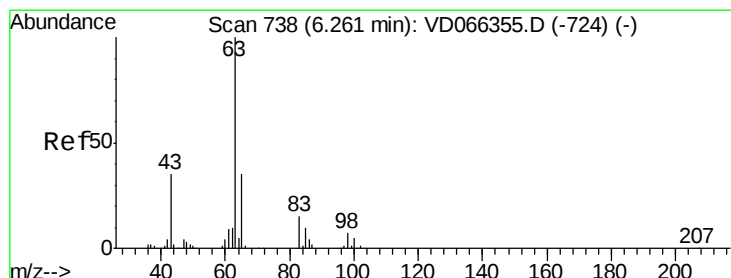
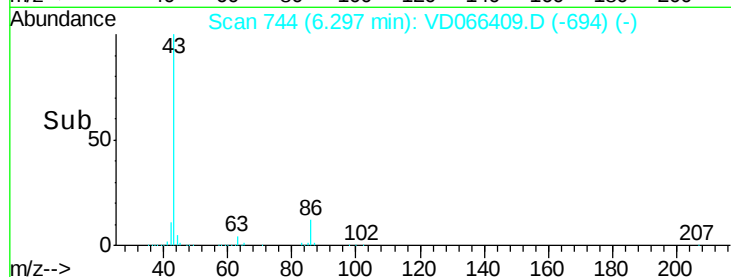
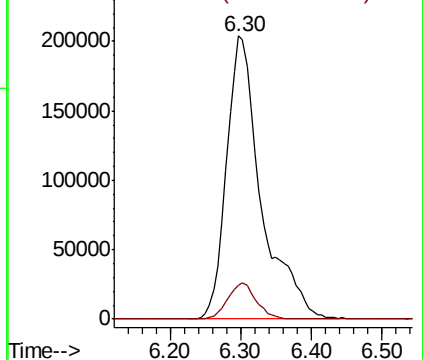
43 100

86 12.2 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.650 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

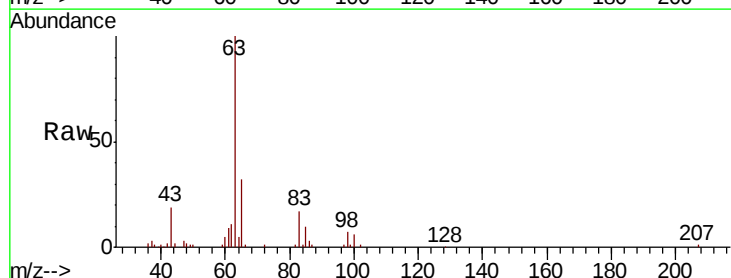
Tgt Ion: 63 Resp: 147267

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

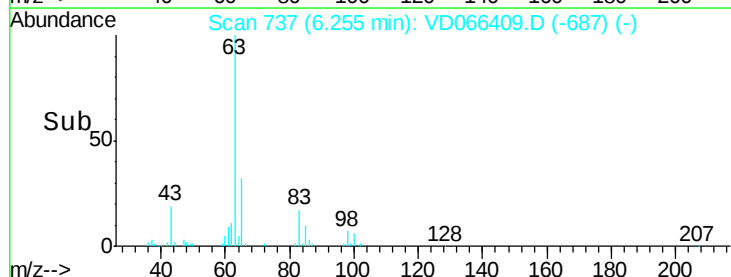
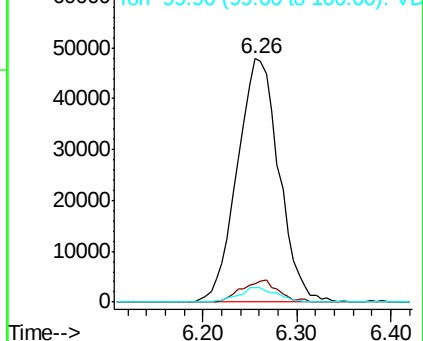
100 5.8 2.5 7.6

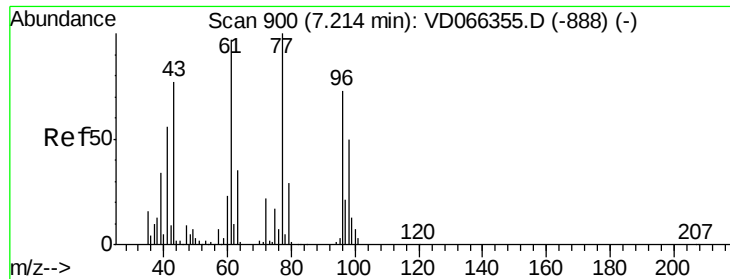


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

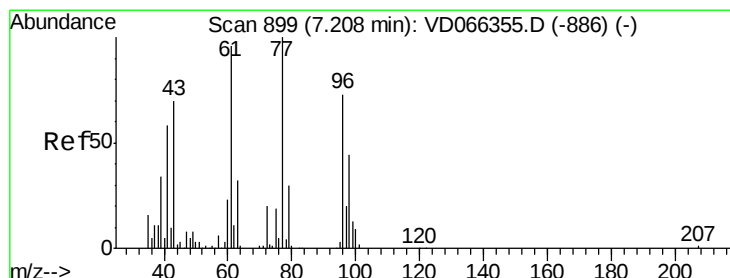
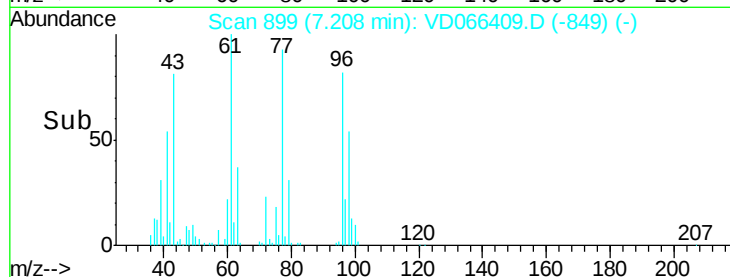
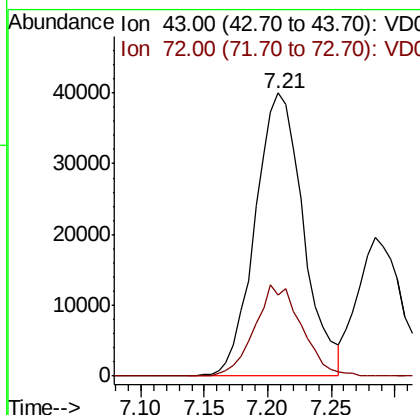
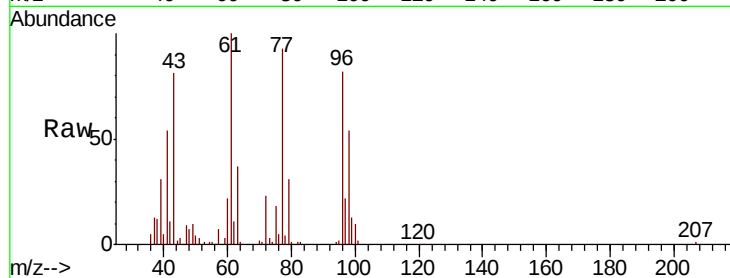




#25
2-Butanone
Concen: 270.056 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

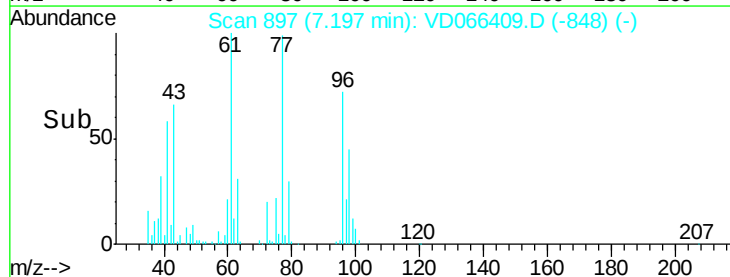
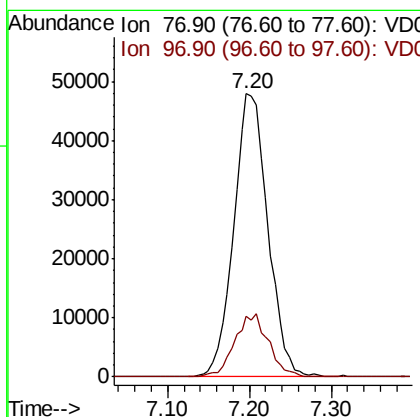
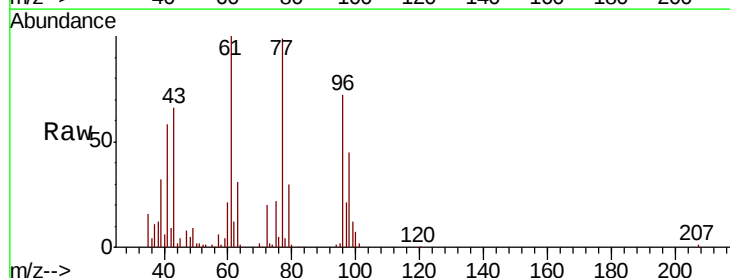
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

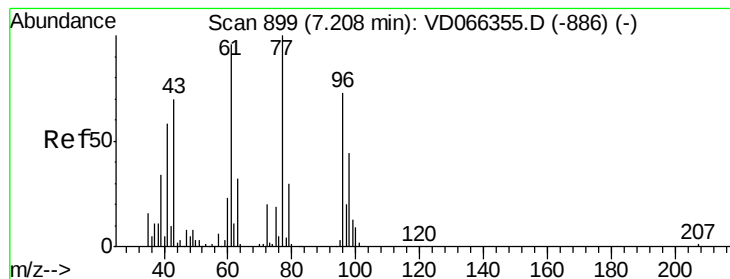
Tot Ion: 43 Resp: 105853
Ion Ratio Lower Upper
43 100
72 28.5 22.5 33.7



#26
2,2-Dichloropropane
Concen: 44.666 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 77 Resp: 139192
Ion Ratio Lower Upper
77 100
97 21.9 10.7 31.9



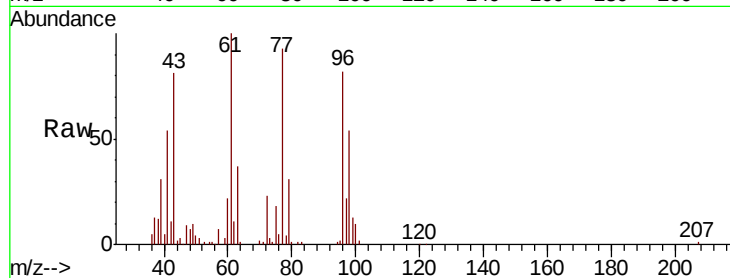


#27

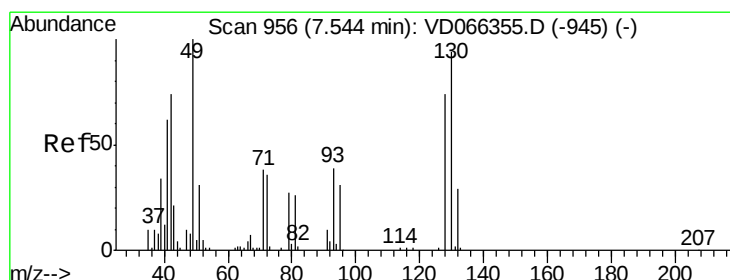
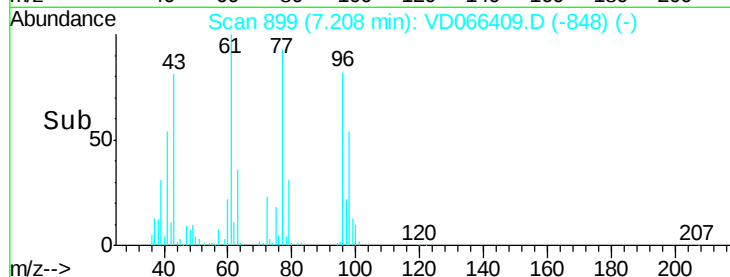
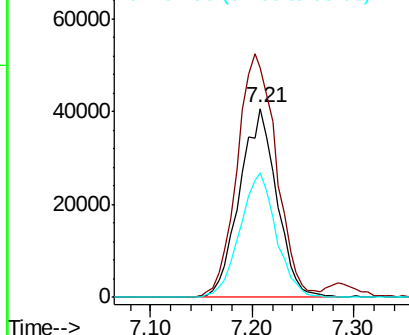
cis-1,2-Dichloroethene
 Concen: 51.947 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 103158
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 281.4
 98 64.2 0.0 132.2



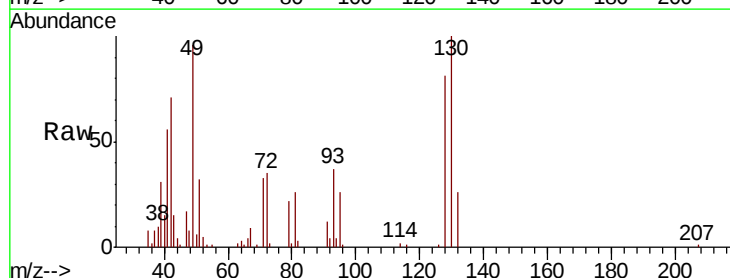
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



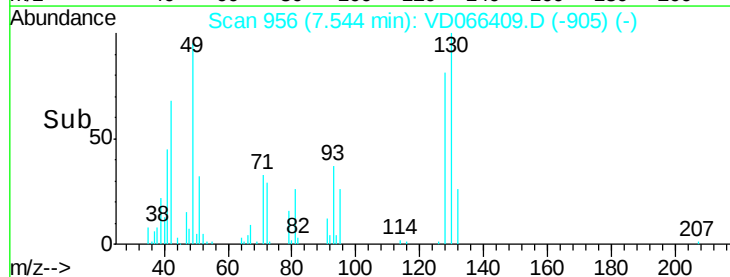
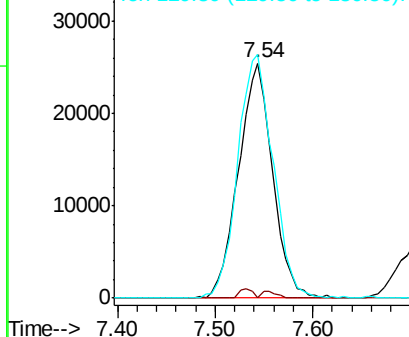
#28

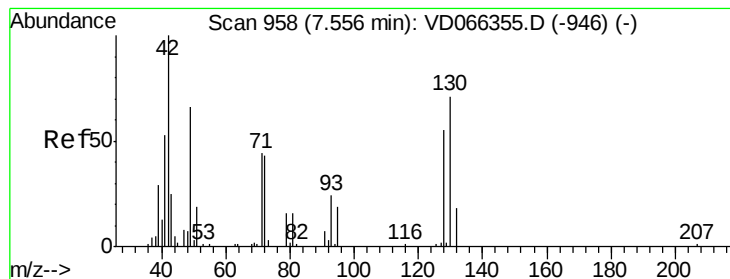
Bromochloromethane
 Concen: 61.870 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion: 49 Resp: 61965
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.0
 130 107.7 82.6 124.0



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: 287.995 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

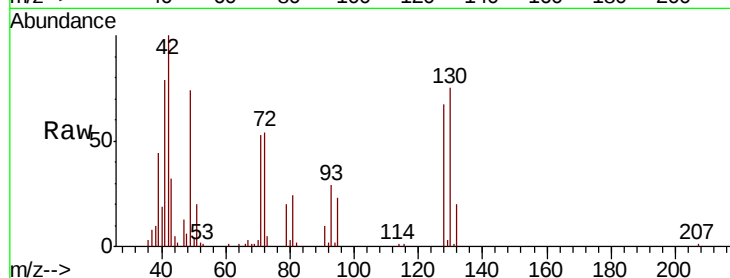
Tot Ion: 42 Resp: 64117

Ion Ratio Lower Upper

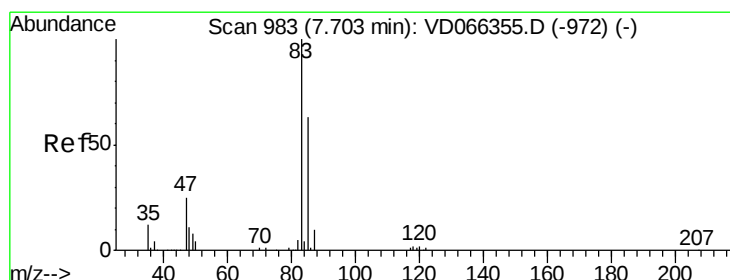
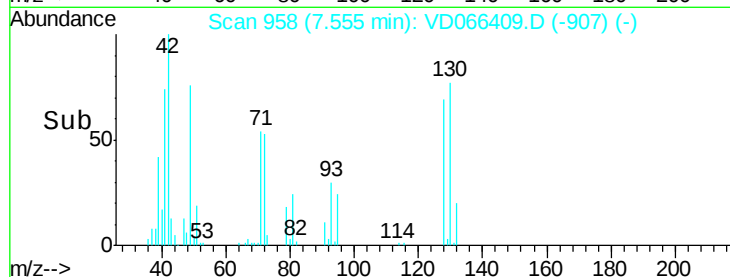
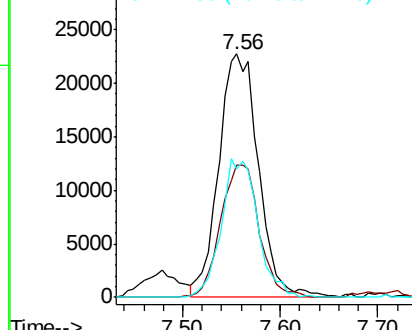
42 100

72 53.1 41.0 61.4

71 52.4 37.2 55.8



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



#30

Chloroform

Concen: 52.953 ug/l

RT: 7.70 min Scan# 983

Delta R.T. -0.00 min

Lab File: VD066409.D

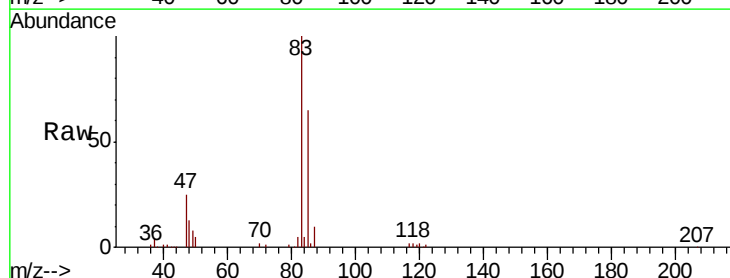
Acq: 25 Aug 2020 18:25

Tgt Ion: 83 Resp: 178135

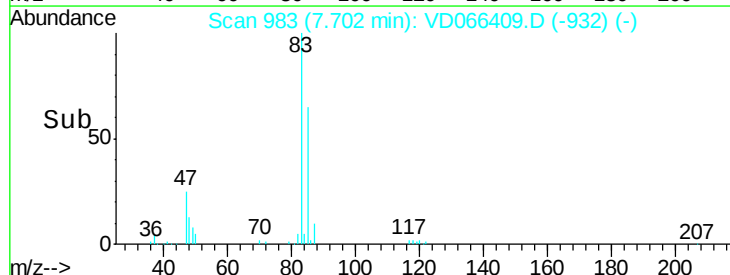
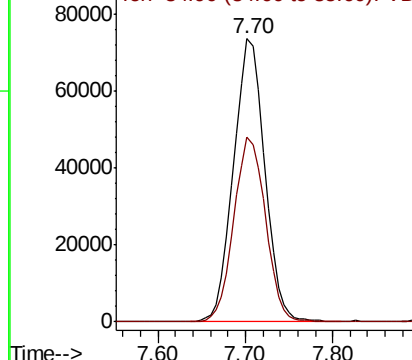
Ion Ratio Lower Upper

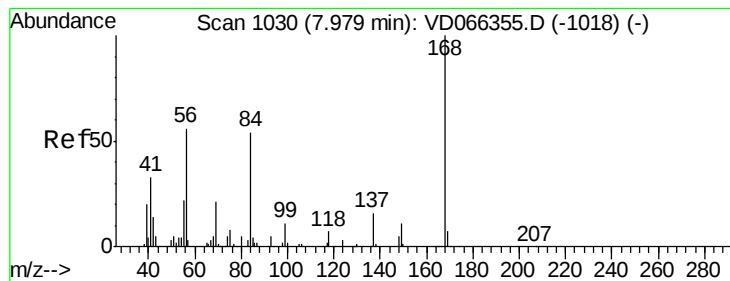
83 100

85 65.3 50.3 75.5



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





#31

Cyclohexane

Concen: 41.258 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

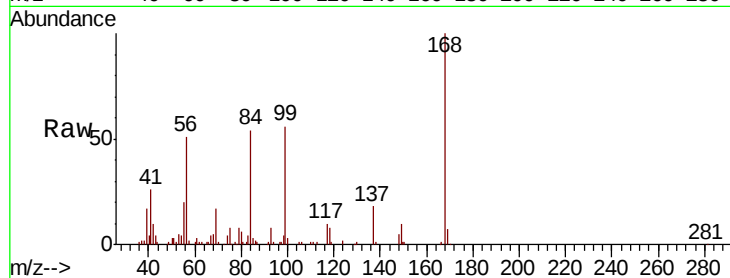
Tot Ion: 56 Resp: 109713

Ion Ratio Lower Upper

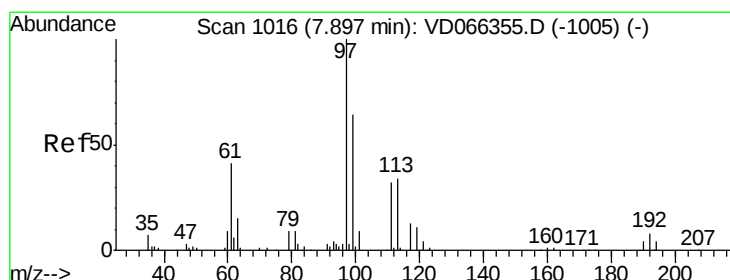
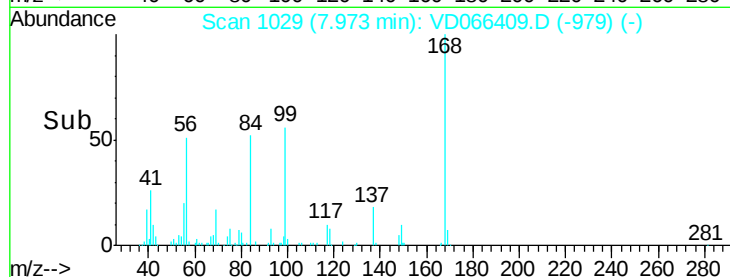
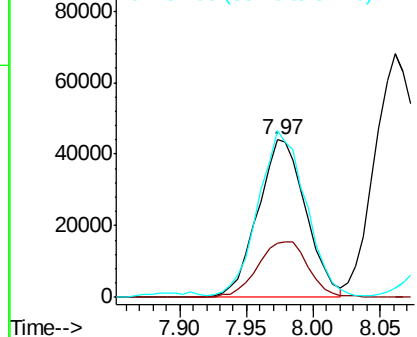
56 100

69 34.0 29.6 44.4

84 102.6 76.6 115.0



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



#32

1,1,1-Trichloroethane

Concen: 50.375 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

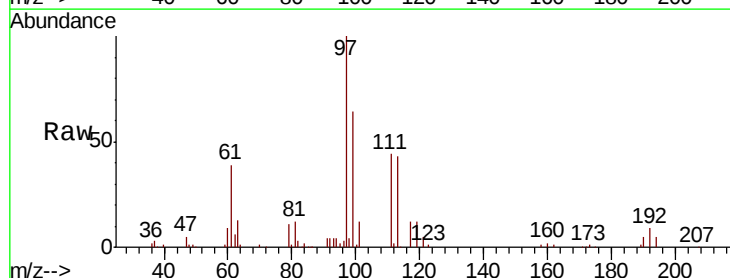
Tgt Ion: 97 Resp: 173439

Ion Ratio Lower Upper

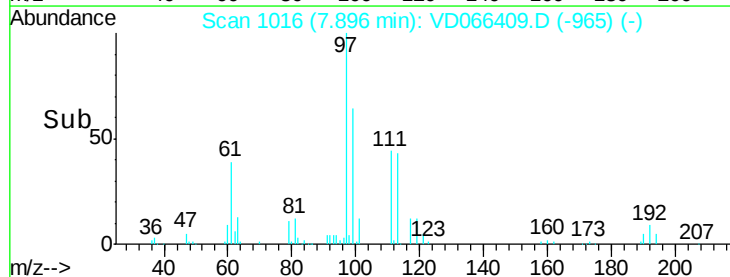
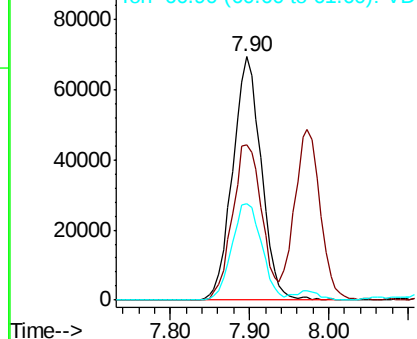
97 100

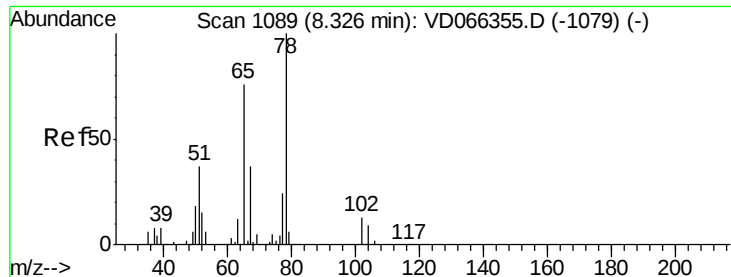
99 66.2 51.5 77.3

61 41.4 33.3 49.9



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

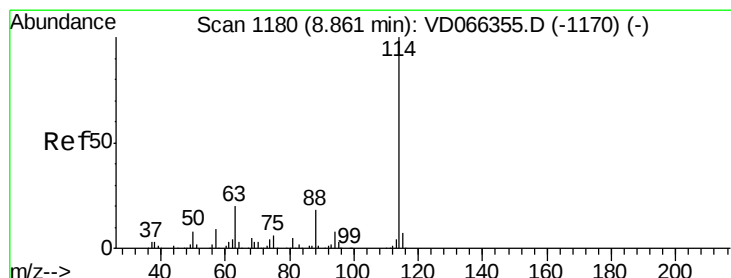
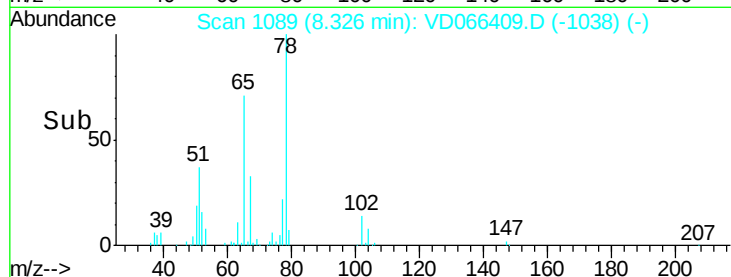
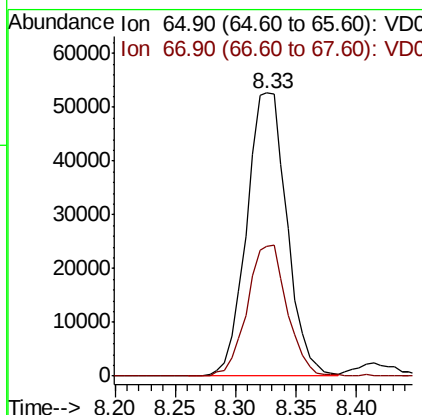
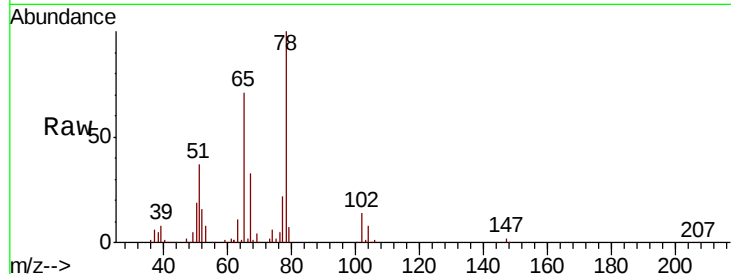




#33
 1,2-Dichloroethane-d4
 Concen: 64.050 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

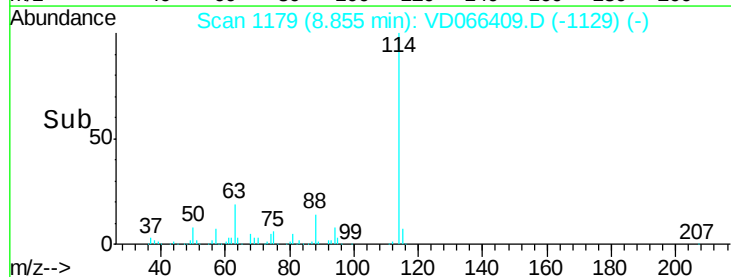
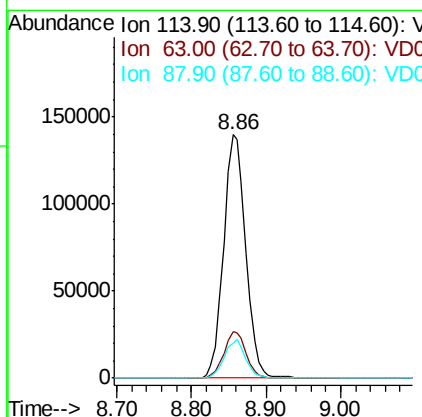
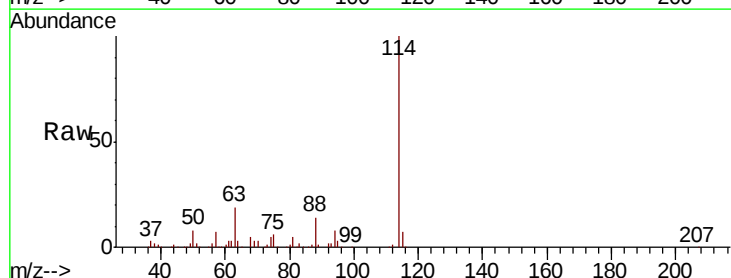
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

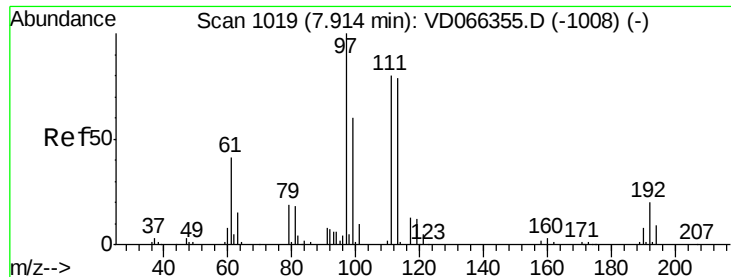
Tot Ion: 65 Resp: 122664
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion: 114 Resp: 288207
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.8
 88 14.4 0.0 35.4

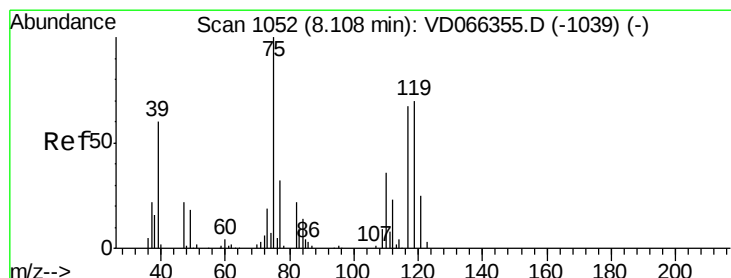
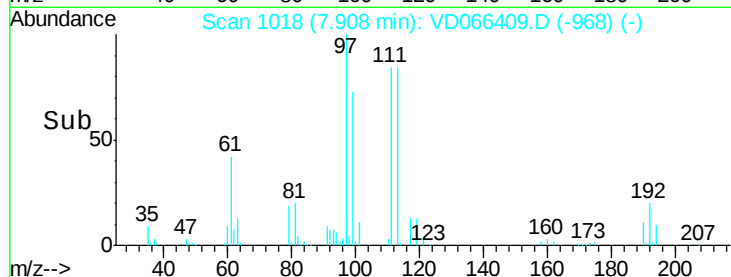
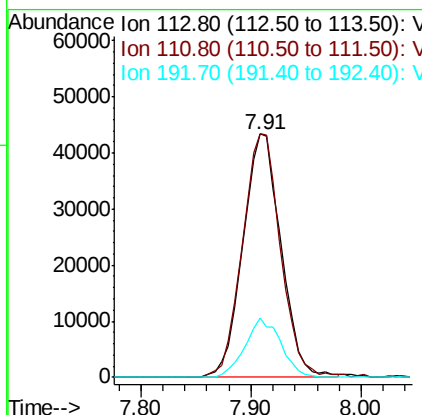
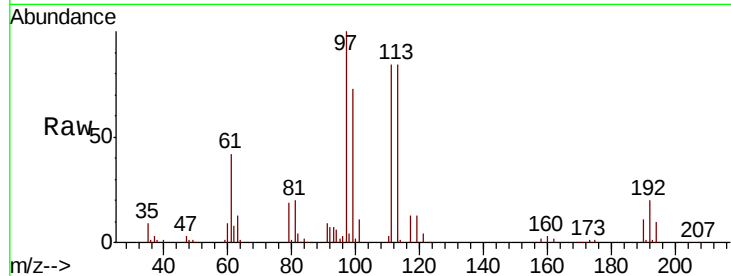




#35
 Dibromofluoromethane
 Concen: 58.117 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

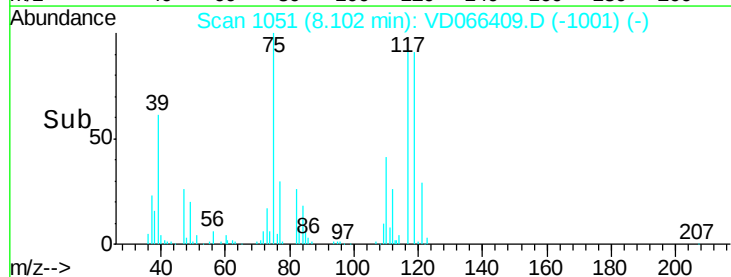
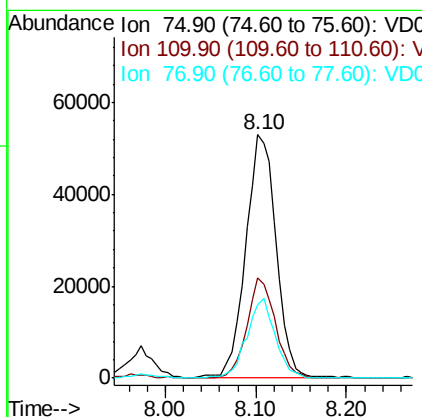
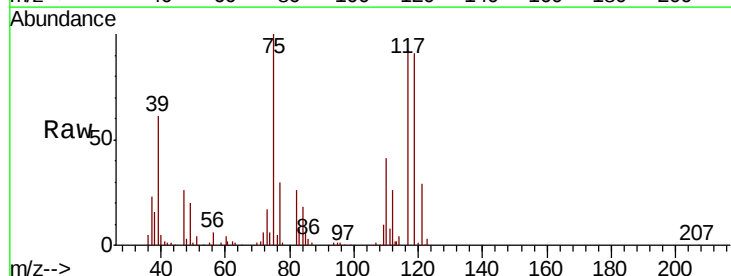
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

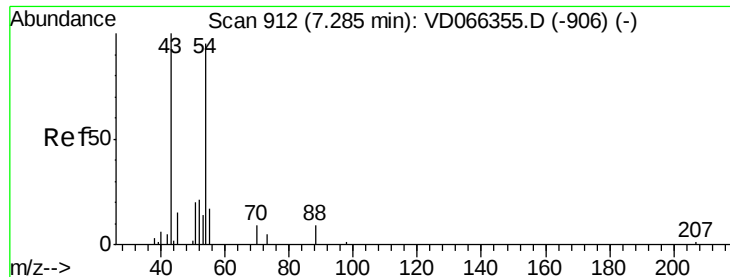
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.3	120.5
192	23.0	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 46.770 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.7	56.1
77	30.8	25.2	37.8

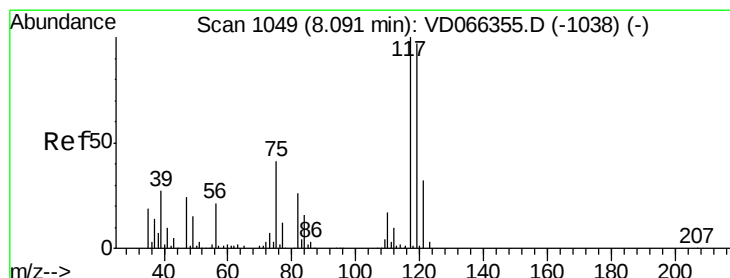
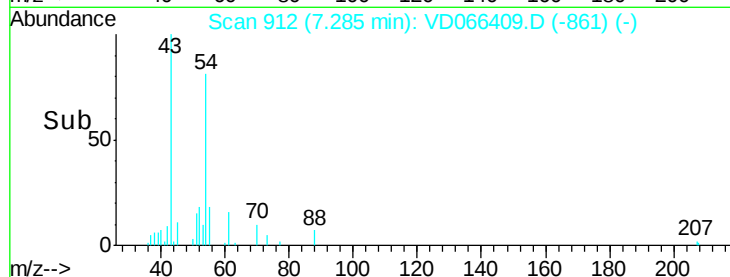
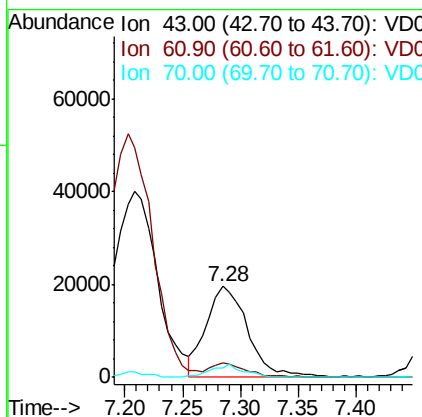
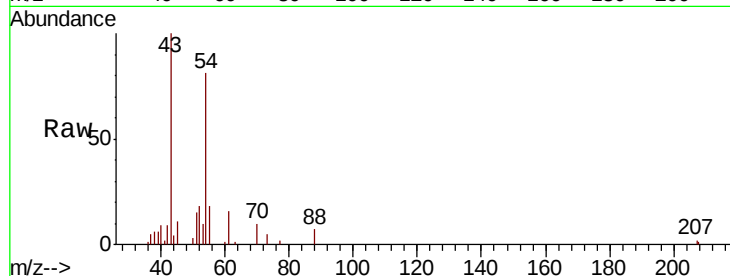




#37
Ethyl Acetate
Concen: 53.853 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

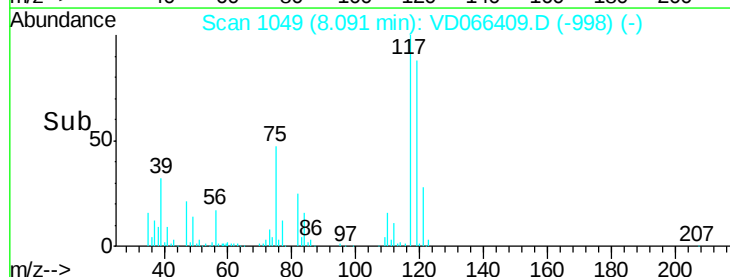
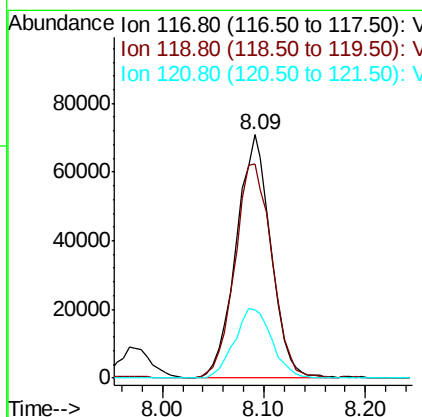
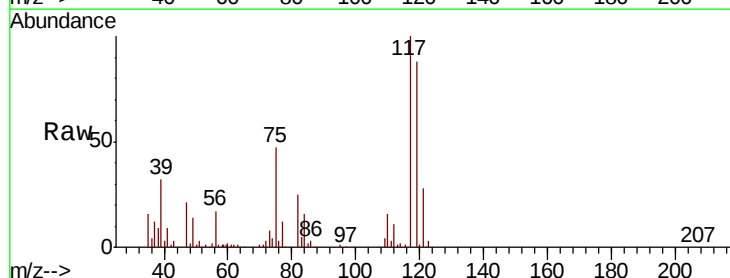
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

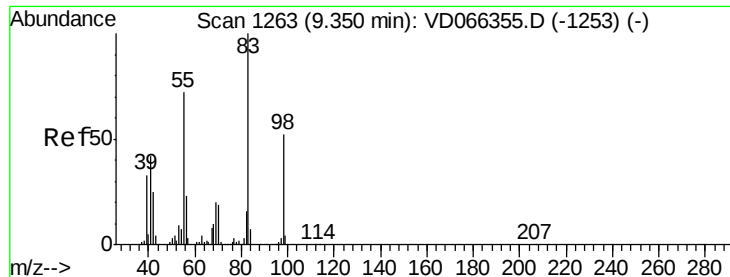
Tot Ion: 43 Resp: 48166
Ion Ratio Lower Upper
43 100
61 13.8 13.3 19.9
70 11.4 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 49.144 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 117 Resp: 168371
Ion Ratio Lower Upper
117 100
119 88.1 77.2 115.8
121 28.3 25.8 38.8

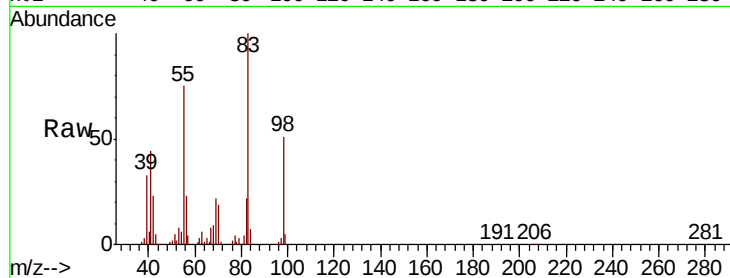




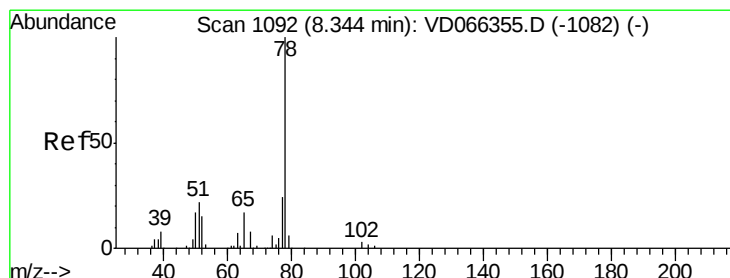
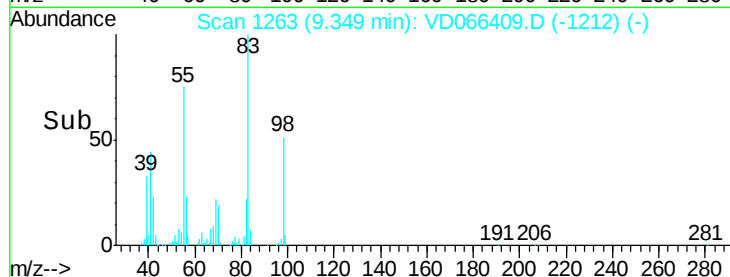
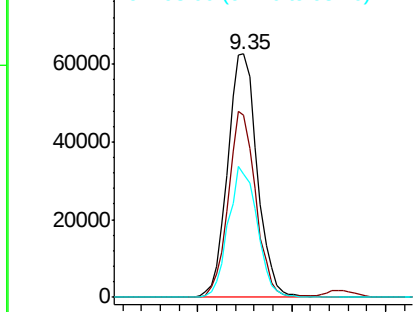
#39
Methvlcvclohexane
Concen: 44.165 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 136810
Ion Ratio Lower Upper
83 100
55 74.9 58.0 87.0
98 50.8 41.9 62.9

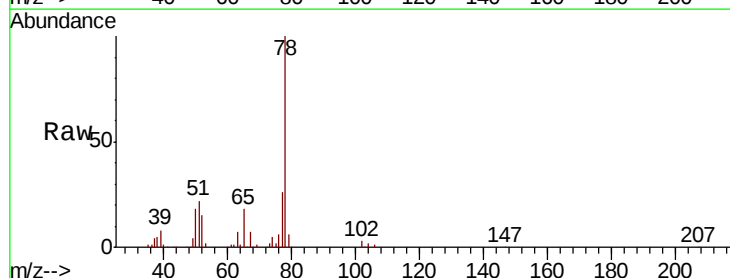


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

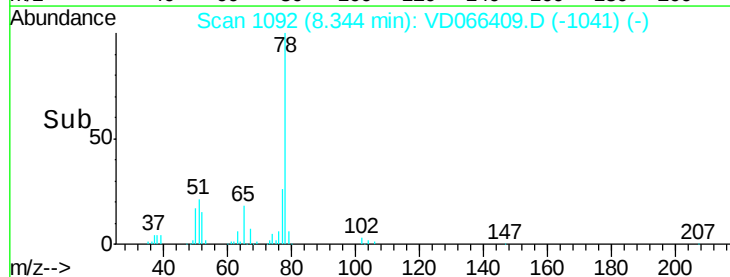
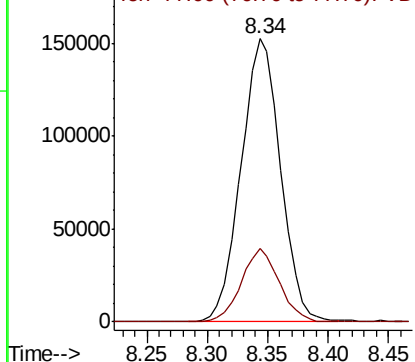


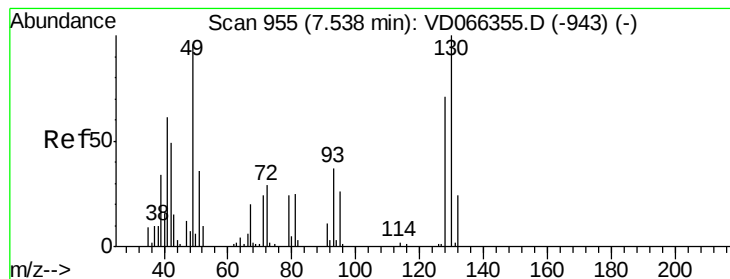
#40
Benzene
Concen: 50.158 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 78 Resp: 346993
Ion Ratio Lower Upper
78 100
77 25.8 18.8 28.2



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





#41

Methacrylonitrile

Concen: 91.615 ug/l

RT: 7.51 min Scan# 951

Delta R.T. -0.02 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 50531

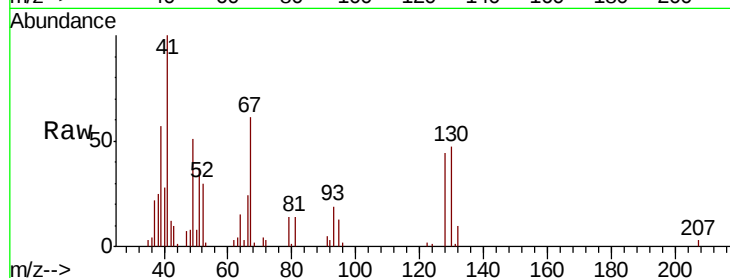
Ion Ratio Lower Upper

41 100

39 51.6 51.8 77.8#

67 45.8 0.0 0.0#

52 21.1 0.0 0.0#

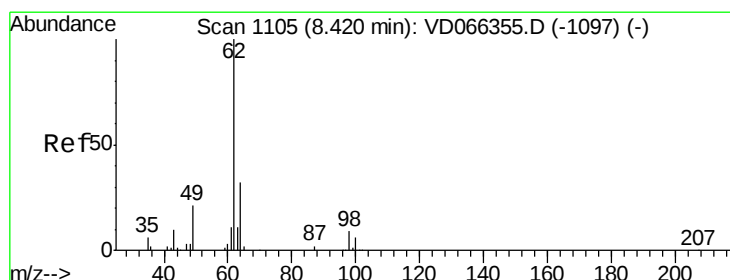
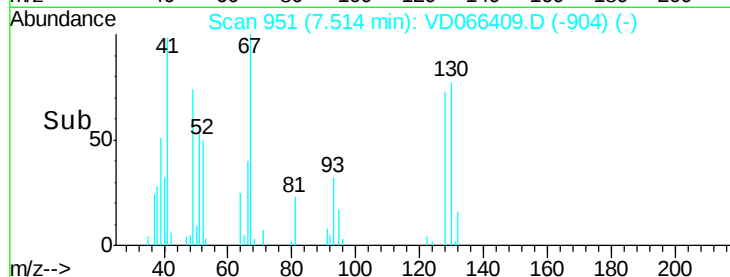
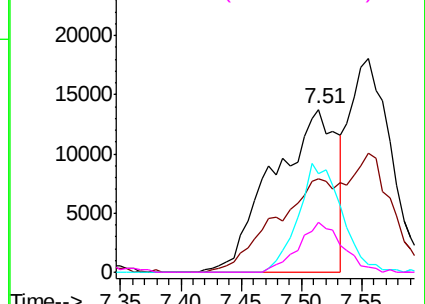


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 55.472 ug/l

RT: 8.41 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VD066409.D

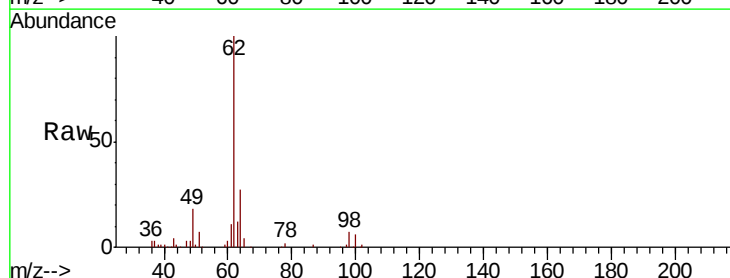
Acq: 25 Aug 2020 18:25

Tgt Ion: 62 Resp: 135157

Ion Ratio Lower Upper

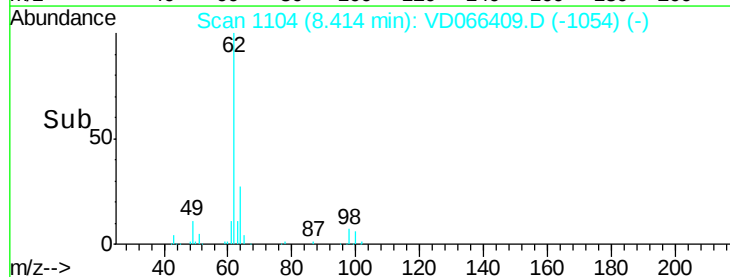
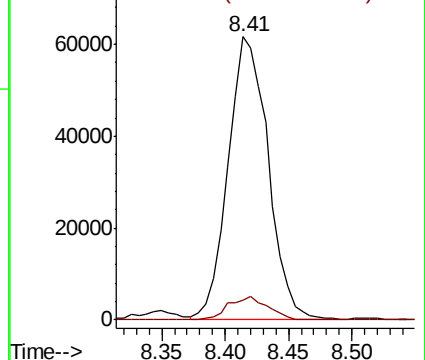
62 100

98 8.1 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 56.697 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

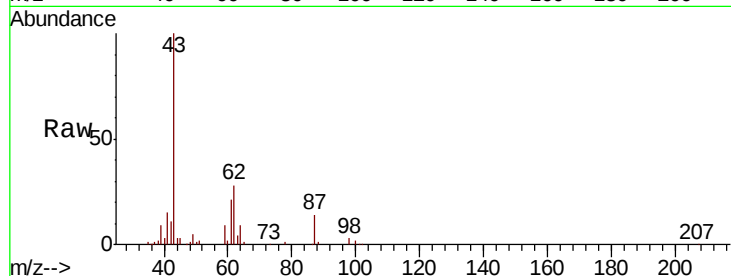
Tot Ion: 43 Resp: 101782

Ion Ratio Lower Upper

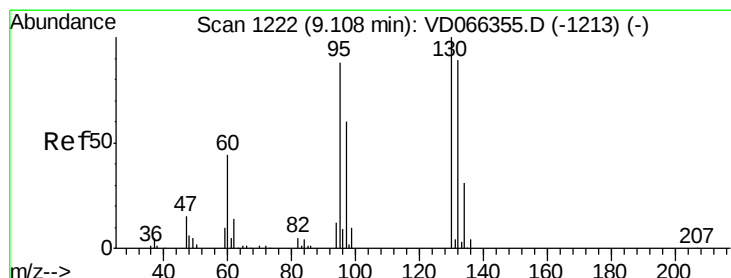
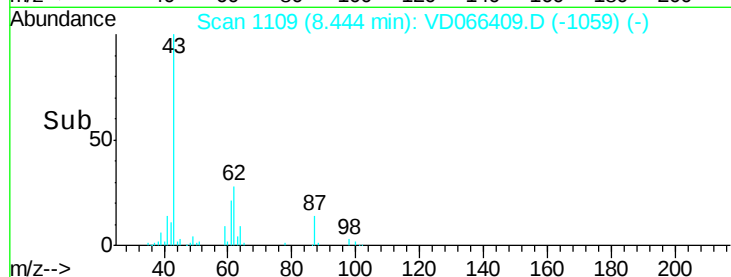
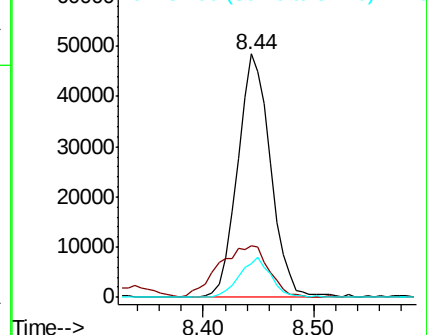
43 100

61 31.8 26.5 39.7

87 15.6 11.9 17.9



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



#44

Trichloroethene

Concen: 48.819 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066409.D

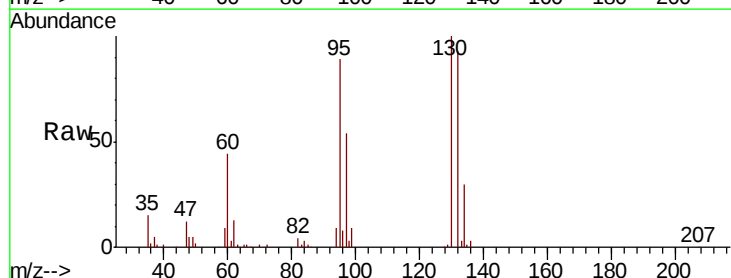
Acq: 25 Aug 2020 18:25

Tgt Ion: 130 Resp: 109740

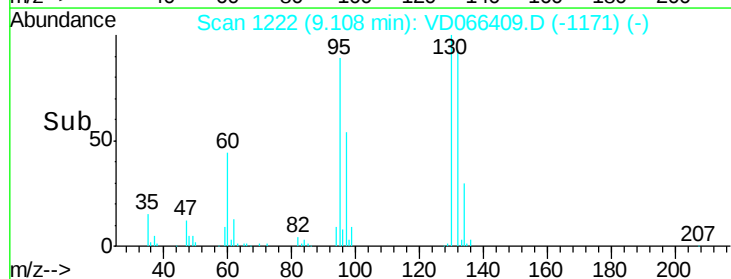
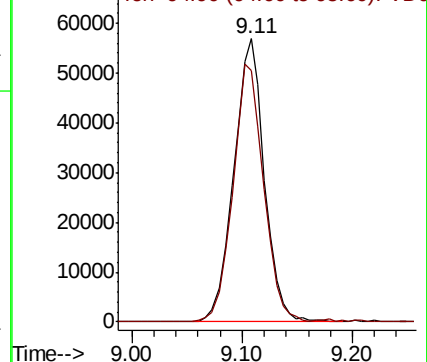
Ion Ratio Lower Upper

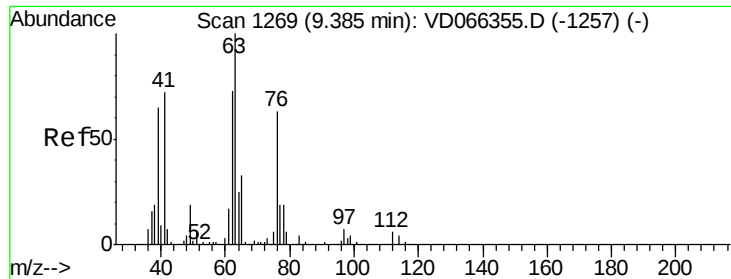
130 100

95 89.0 0.0 175.6



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

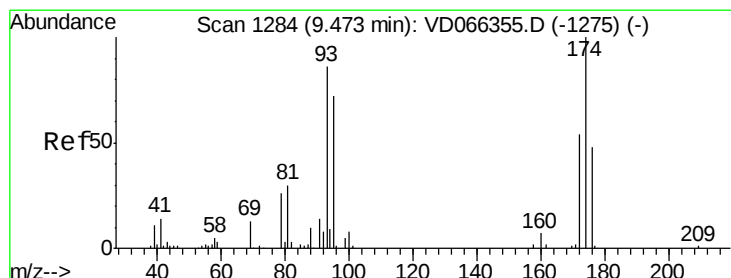
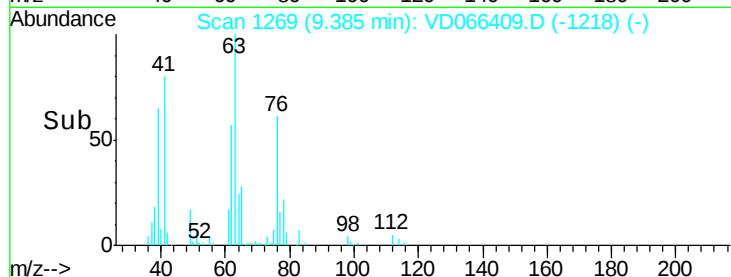
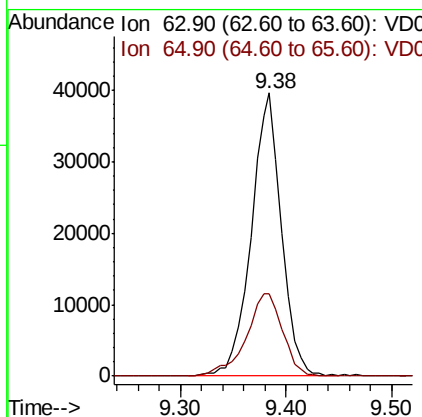
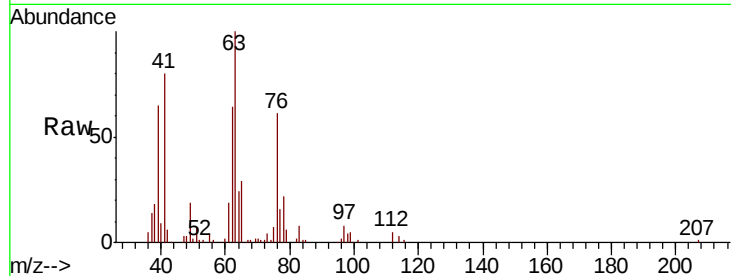




#45
 1,2-Dichloropropane
 Concen: 50.028 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

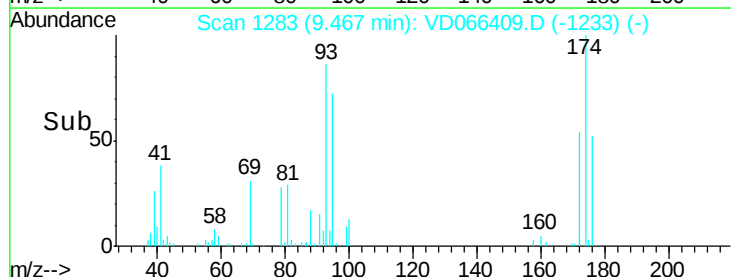
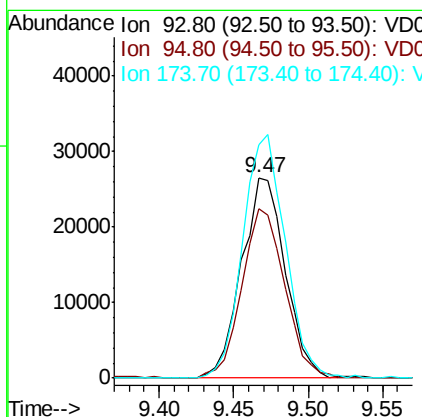
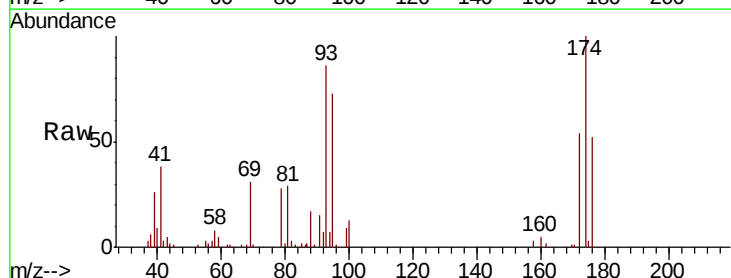
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

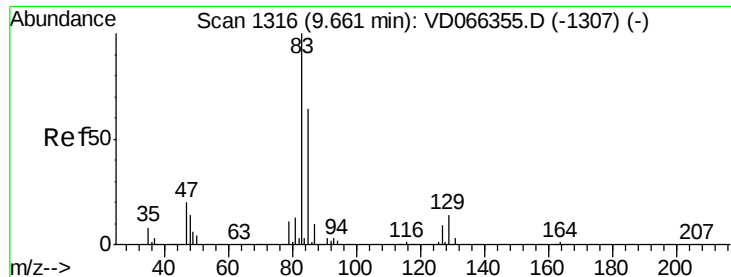
Tot Ion: 63 Resp: 78461
 Ion Ratio Lower Upper
 63 100
 65 28.9 26.4 39.6



#46
 Dibromomethane
 Concen: 55.123 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion: 93 Resp: 53826
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.0 99.0
 174 118.5 94.6 141.8

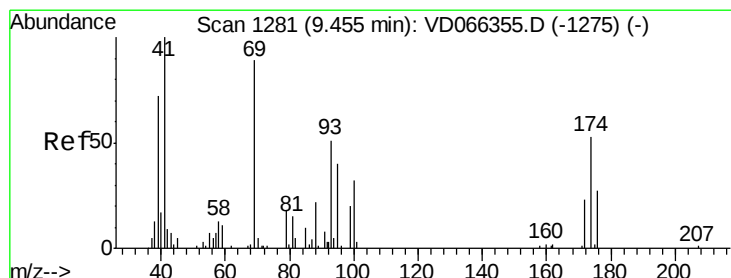
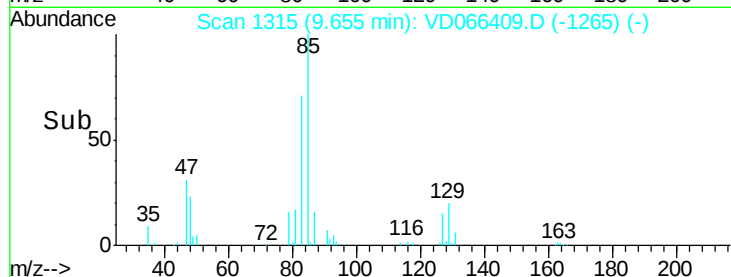
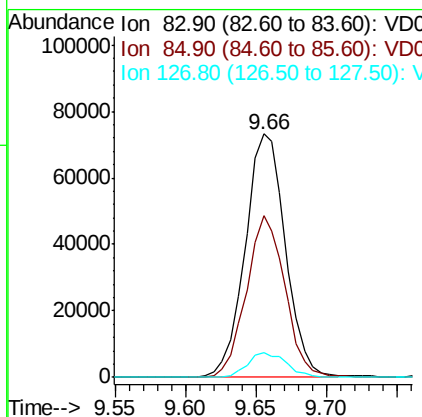
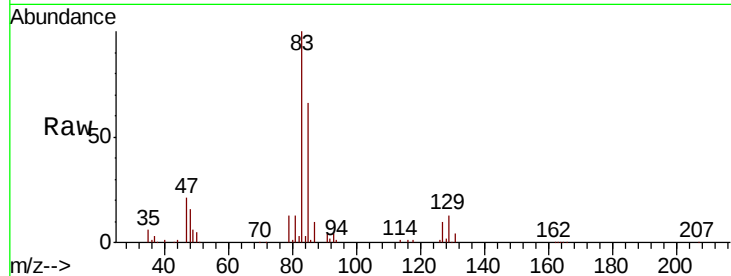




#47
Bromodichloromethane
Concen: 54.479 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

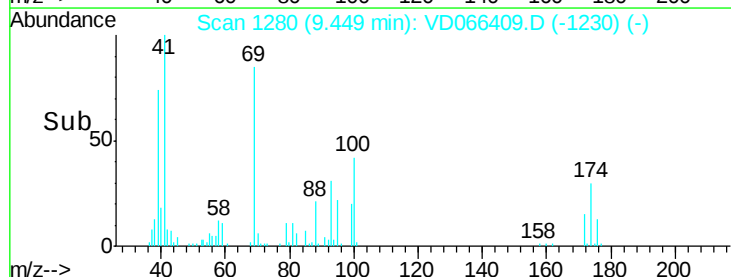
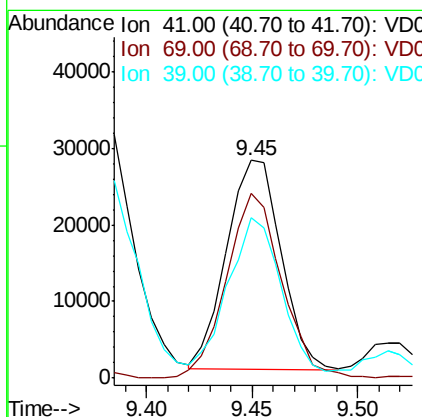
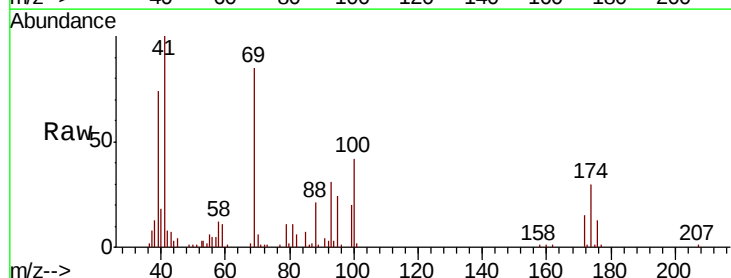
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

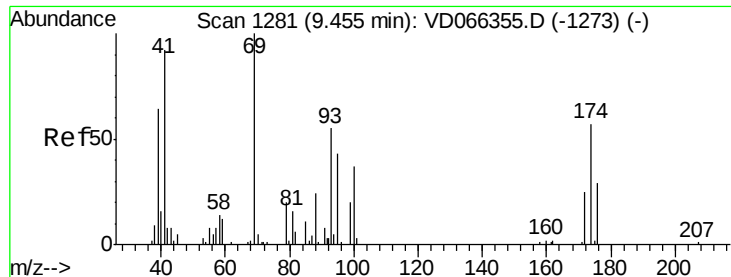
Tot Ion: 83 Resp: 146295
Ion Ratio Lower Upper
83 100
85 66.3 51.4 77.0
127 10.0 7.4 11.0



#48
Methyl methacrylate
Concen: 52.952 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 41 Resp: 49019
Ion Ratio Lower Upper
41 100
69 89.4 75.5 113.3
39 69.8 57.0 85.4

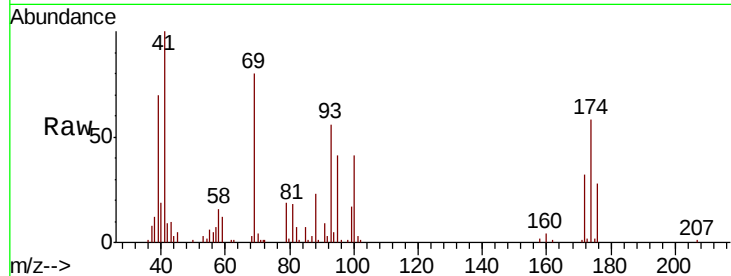




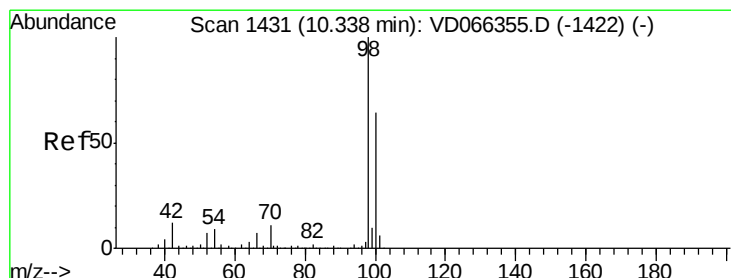
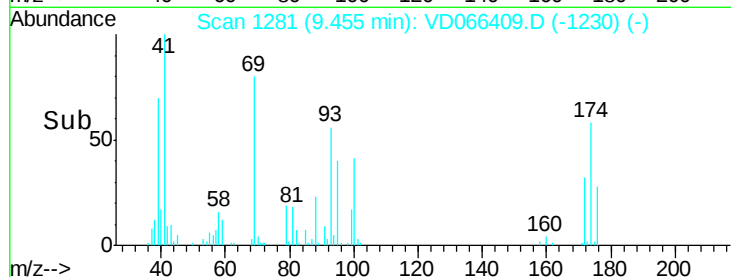
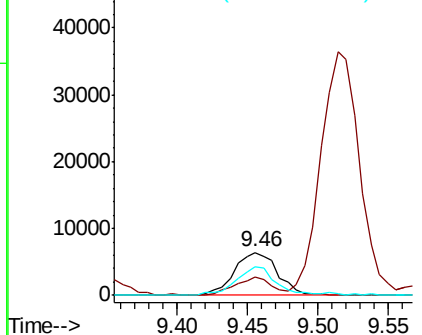
#49
1,4-Dioxane
Concen: 1208.103 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 13698
Ion Ratio Lower Upper
88 100
43 36.6 29.4 44.0
58 63.2 45.4 68.2

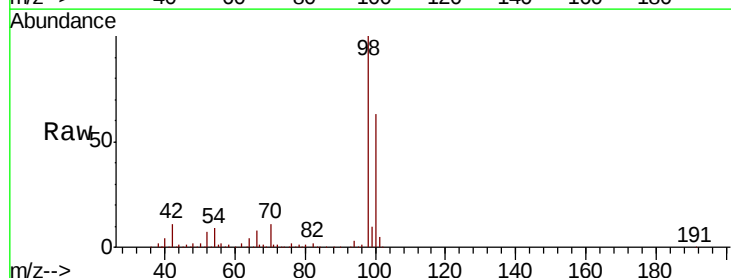


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

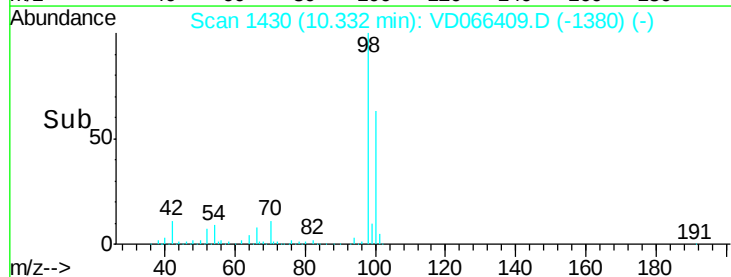
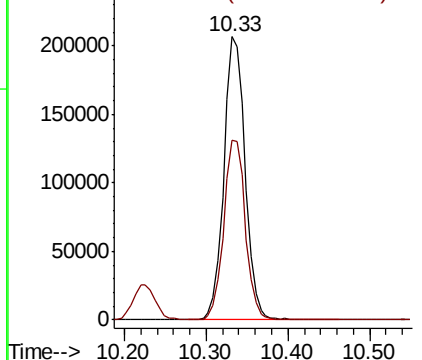


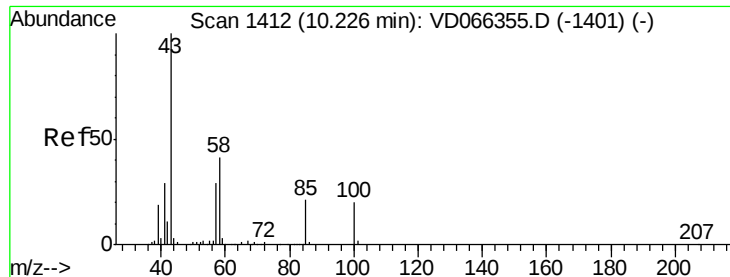
#50
Toluene-d8
Concen: 56.688 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 98 Resp: 373795
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



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: 283.148 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

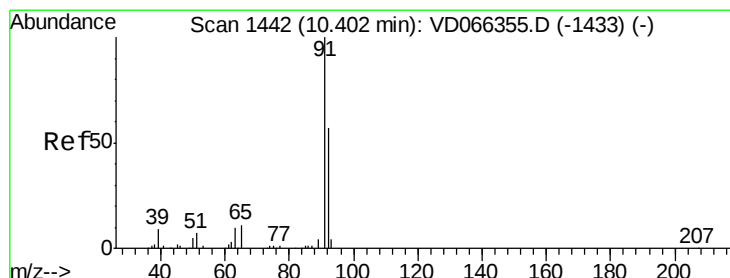
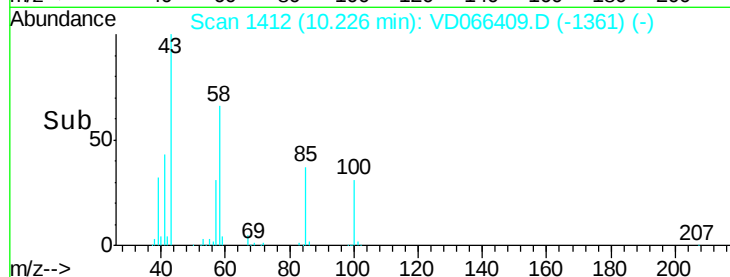
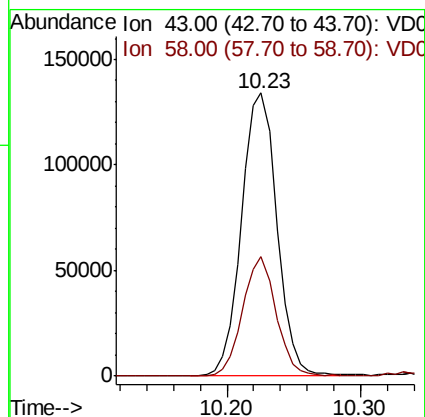
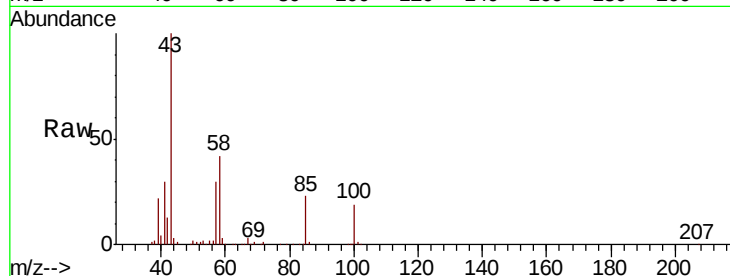
VSTDCCC050EC

Tot Ion: 43 Resp: 245898

Ion Ratio Lower Upper

43 100

58 39.9 31.4 47.2



#52

Toluene

Concen: 50.873 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066409.D

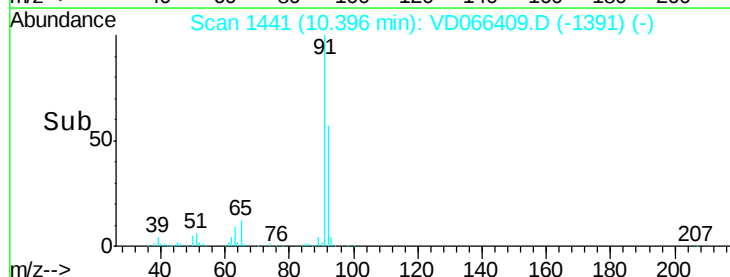
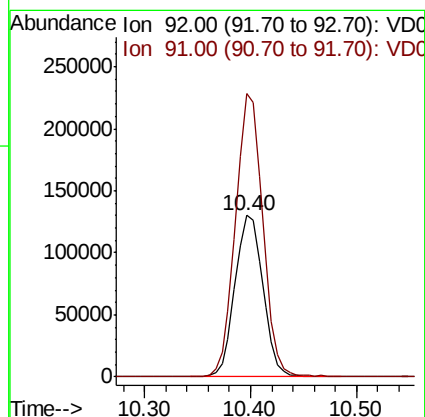
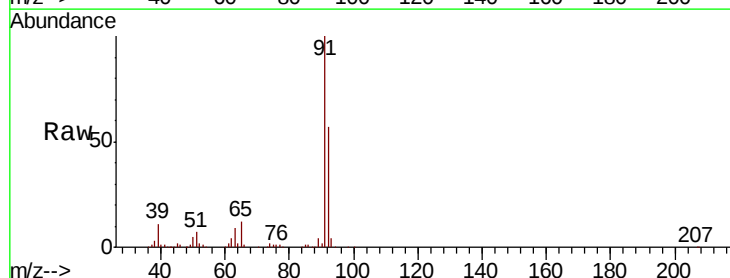
Acq: 25 Aug 2020 18:25

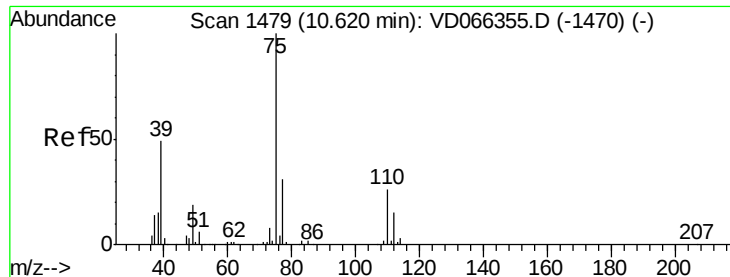
Tgt Ion: 92 Resp: 238436

Ion Ratio Lower Upper

92 100

91 171.0 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 51.910 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

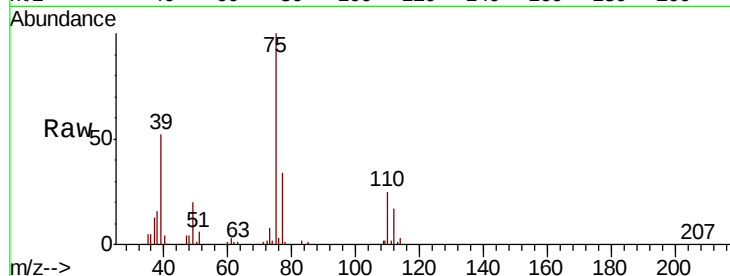
VSTDCCC050EC

Tot Ion: 75 Resp: 132270

Ion Ratio Lower Upper

75 100

77 34.2 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

80000

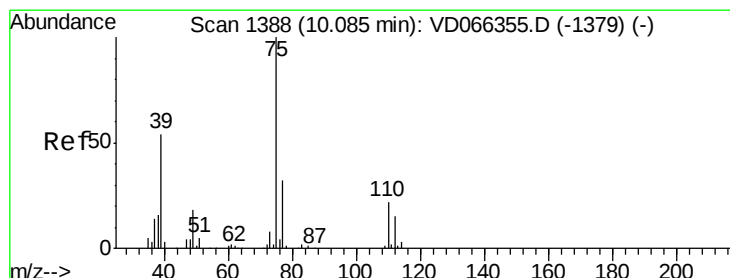
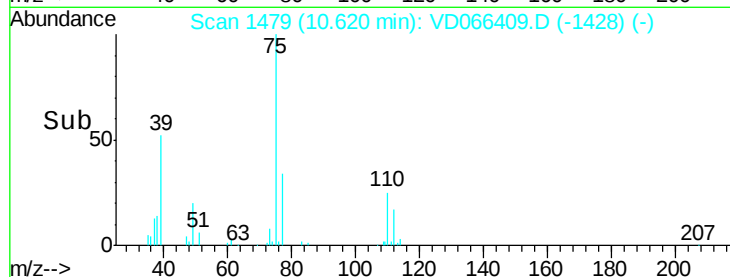
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 50.915 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

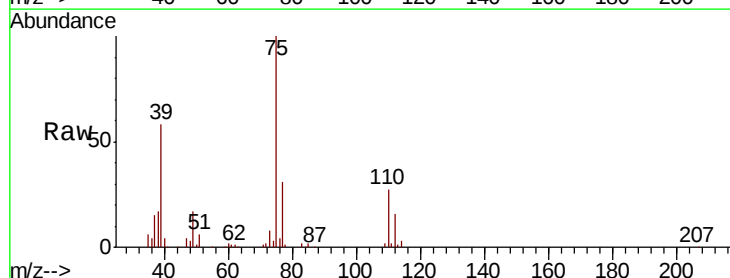
Tgt Ion: 75 Resp: 145623

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 57.6 43.4 65.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.08

100000

80000

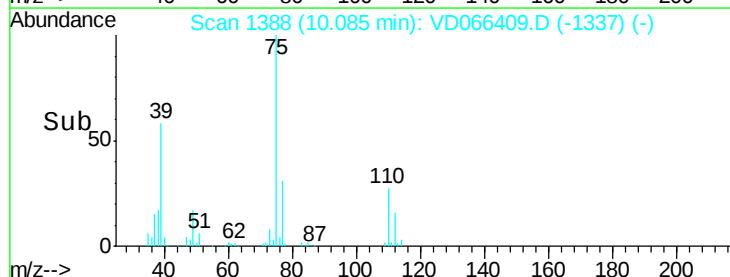
60000

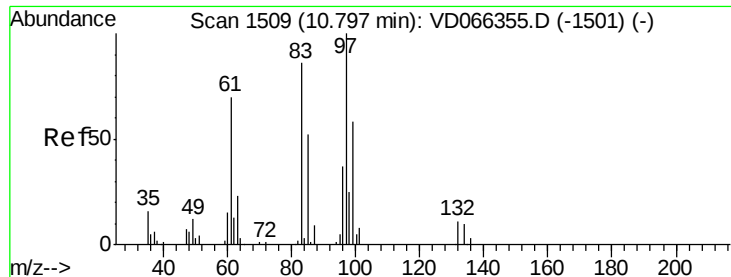
40000

20000

0

Time--> 10.00 10.10

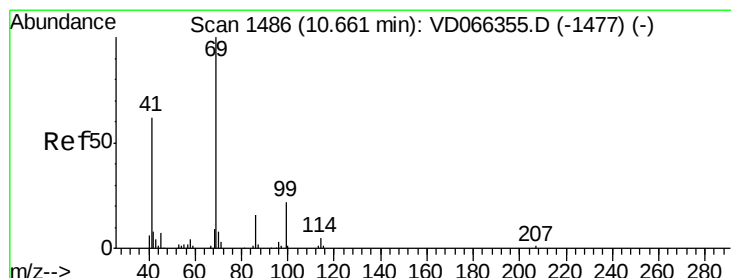
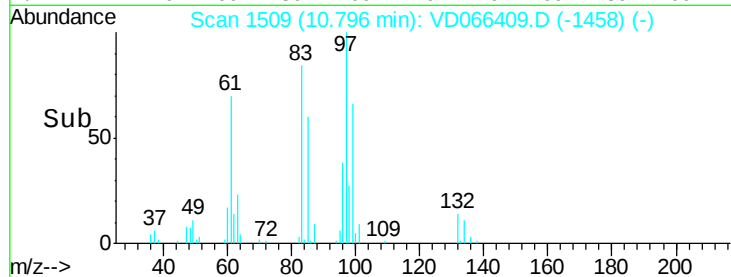
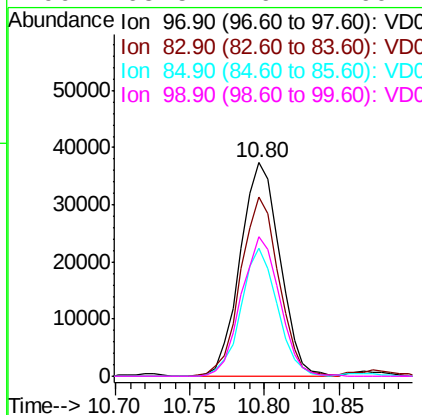
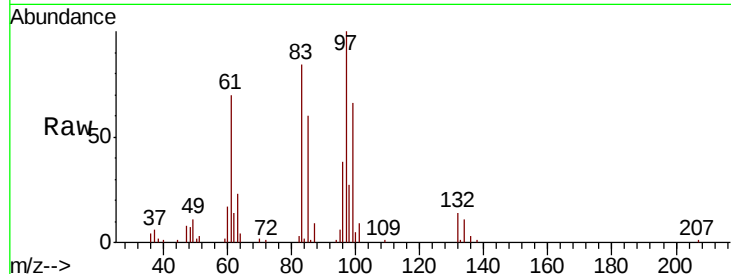




#55
 1,1,2-Trichloroethane
 Concen: 51.995 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

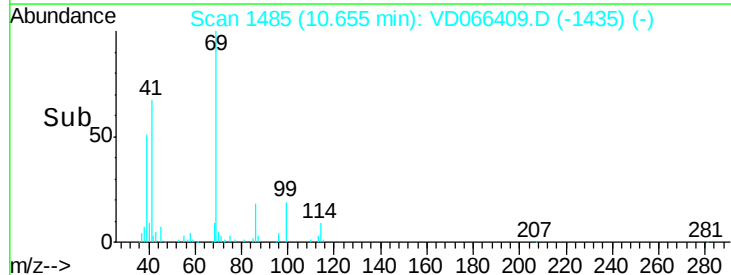
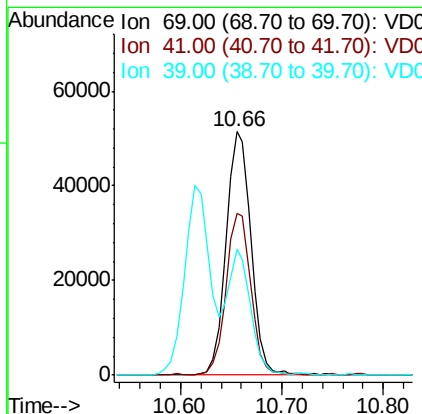
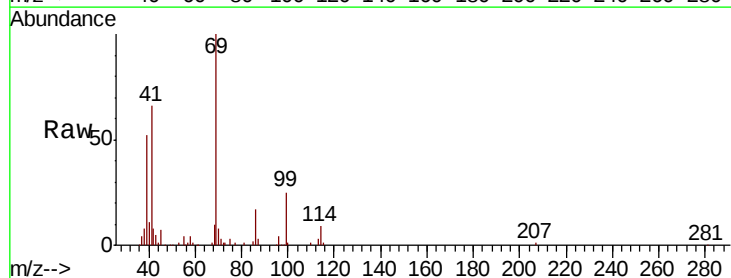
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

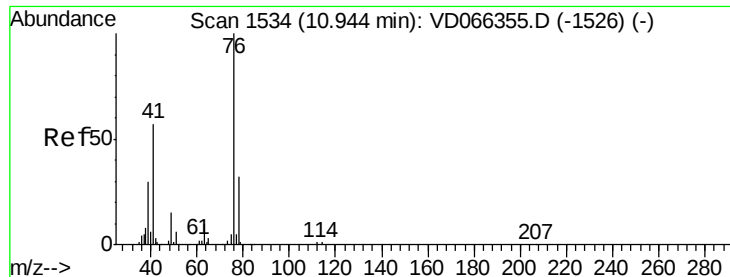
Tot Ion:	97	Resp:	68734
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.4	102.6
85	59.7	41.3	61.9
99	65.5	46.1	69.1



#56
 Ethyl methacrylate
 Concen: 57.152 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion:	69	Resp:	87459
Ion	Ratio	Lower	Upper
69	100		
41	66.3	50.8	76.2
39	47.8	32.9	49.3





#57

1,3-Dichloropropane

Concen: 54.163 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

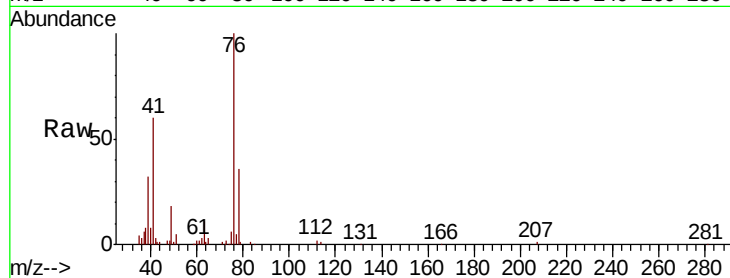
VSTDCCC050EC

Tot Ion: 76 Resp: 118433

Ion Ratio Lower Upper

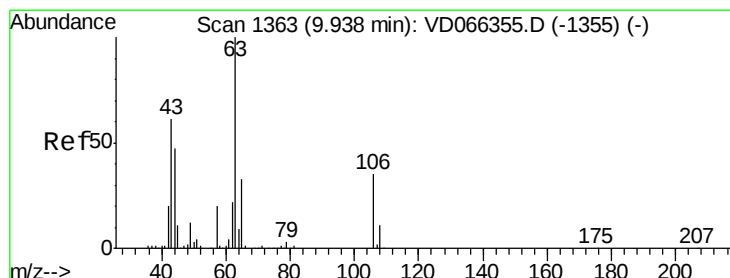
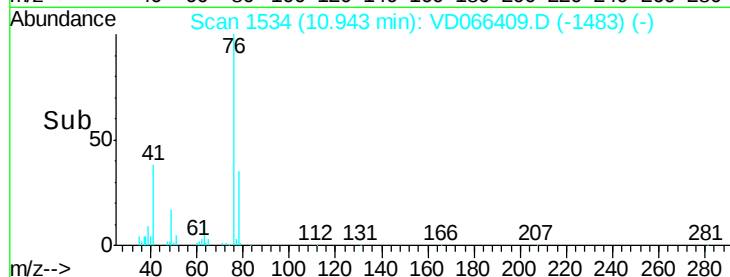
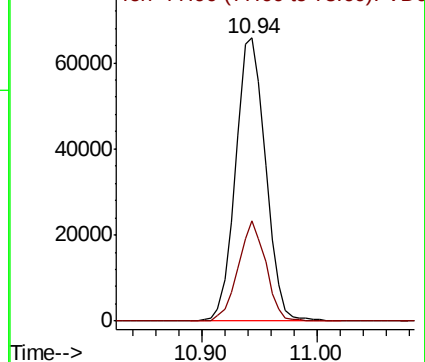
76 100

78 32.6 25.6 38.4



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: 305.960 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066409.D

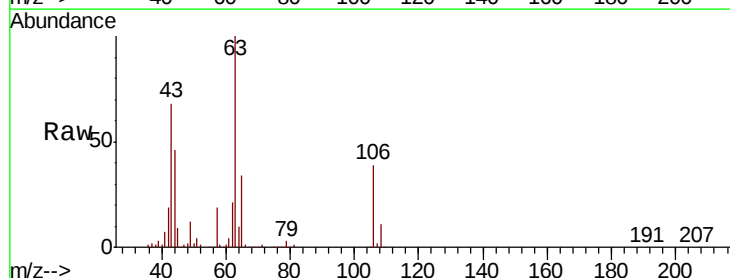
Acq: 25 Aug 2020 18:25

Tgt Ion: 63 Resp: 194459

Ion Ratio Lower Upper

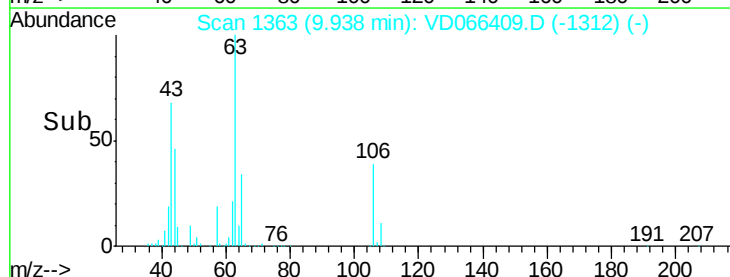
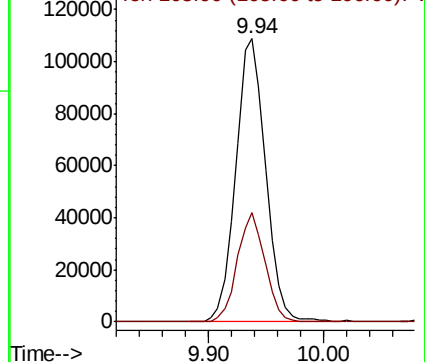
63 100

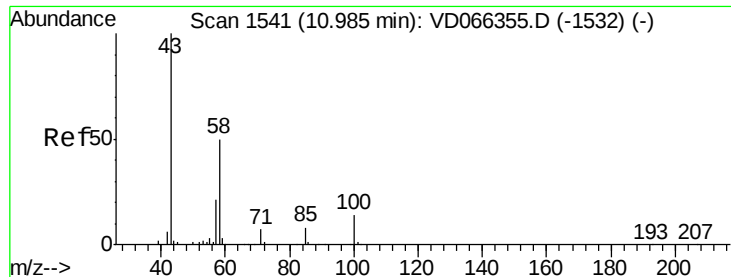
106 35.6 27.1 40.7



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

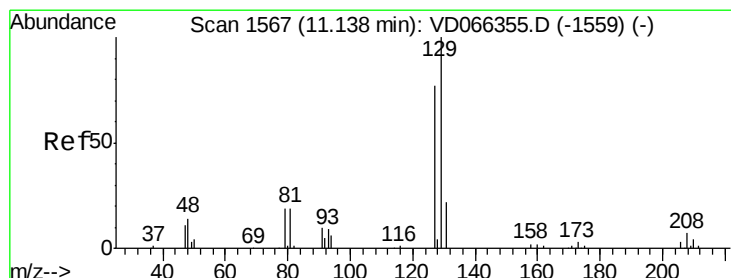
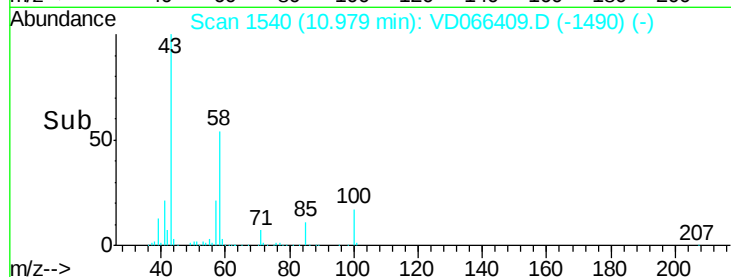
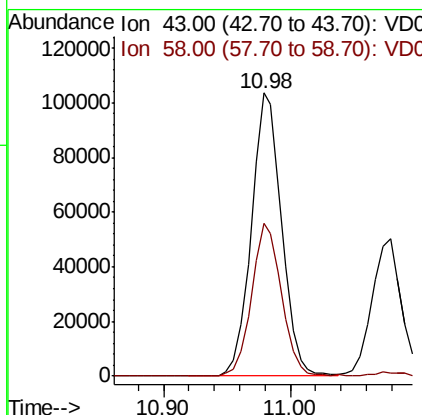
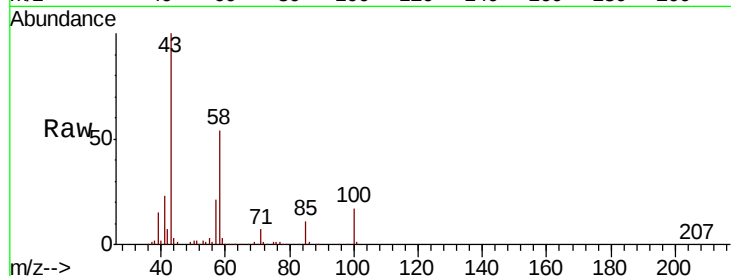




#59
2-Hexanone
Concen: 281.168 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

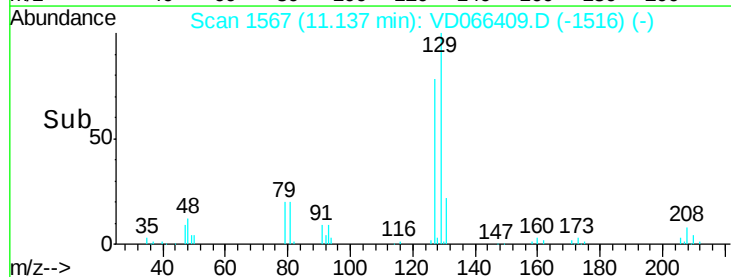
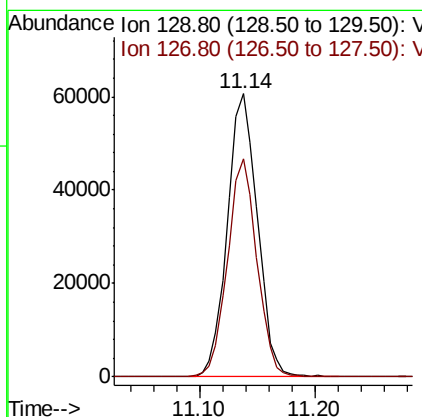
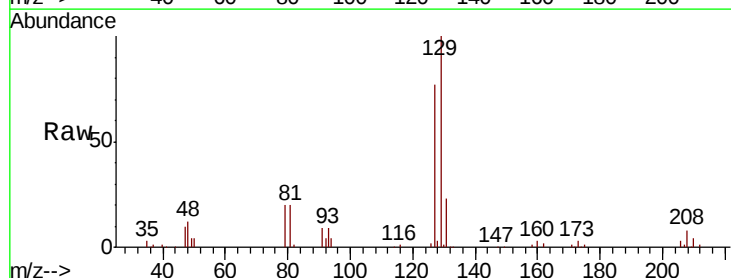
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

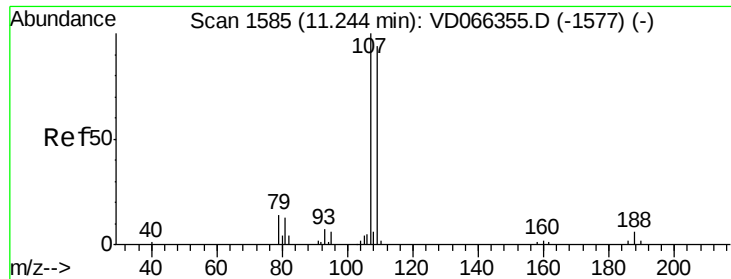
Tot Ion: 43 Resp: 172235
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8



#60
Dibromochloromethane
Concen: 55.041 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 129 Resp: 109674
Ion Ratio Lower Upper
129 100
127 75.3 39.0 117.0

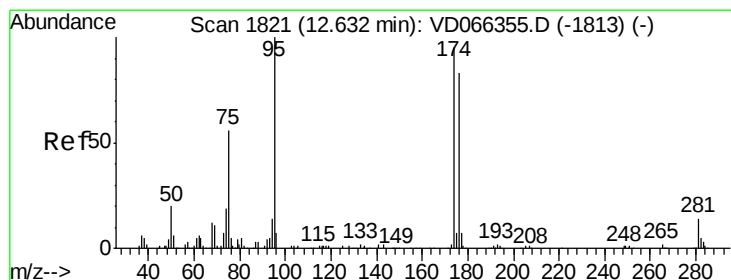
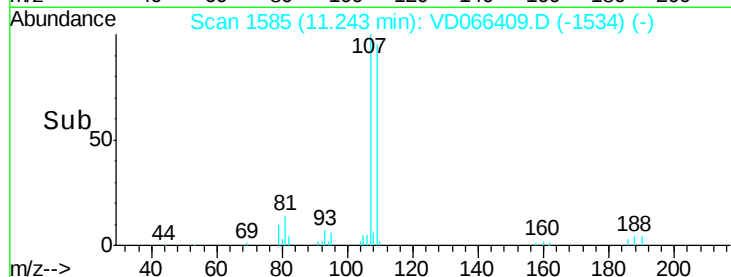
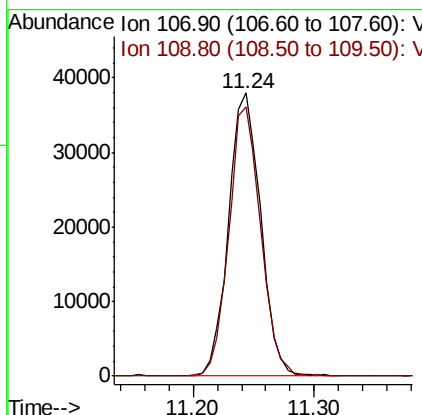
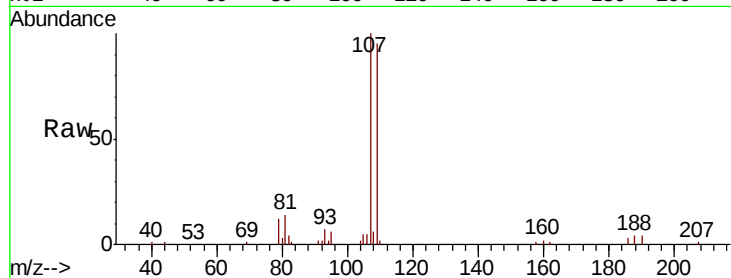




#61
 1,2-Dibromoethane
 Concen: 54.080 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

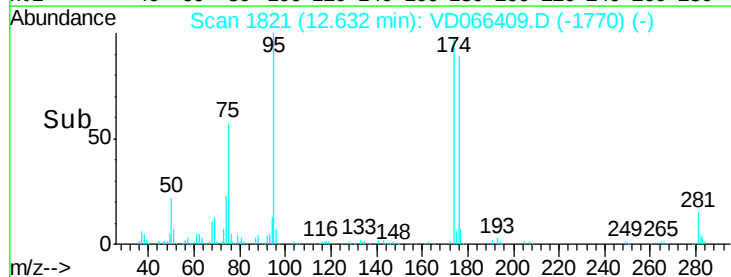
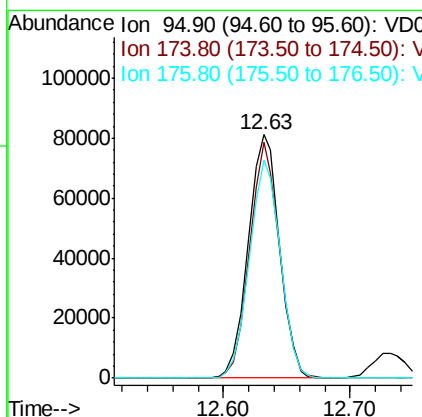
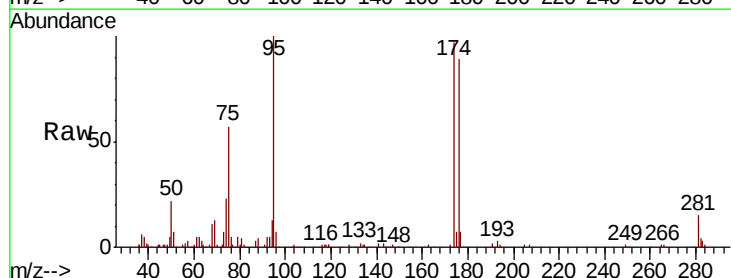
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

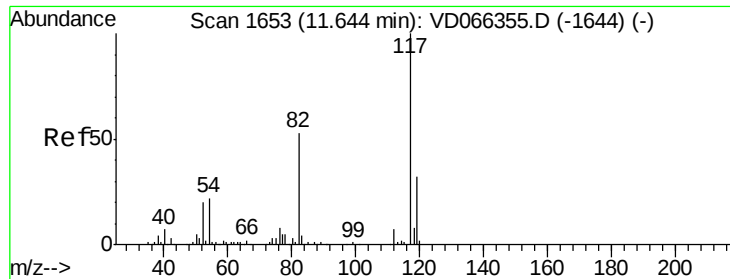
Tot Ion:107 Resp: 70353
 Ion Ratio Lower Upper
 107 100
 109 94.4 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 59.580 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion: 95 Resp: 139407
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 183.4
 176 88.5 0.0 173.8

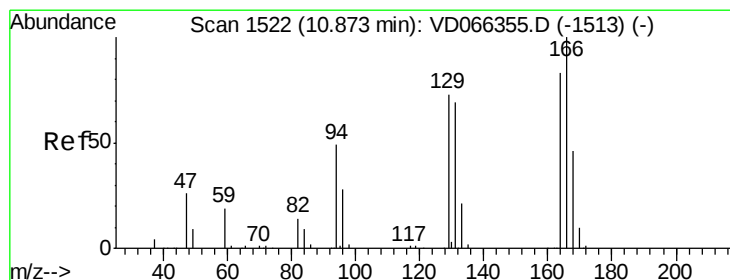
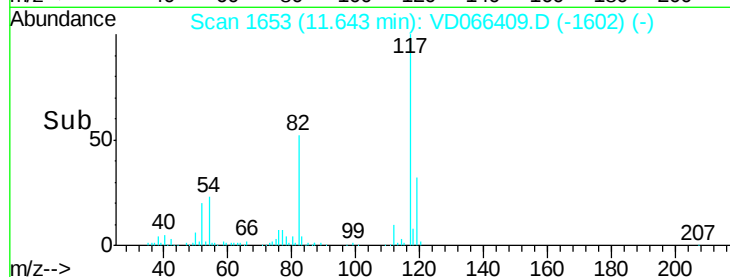
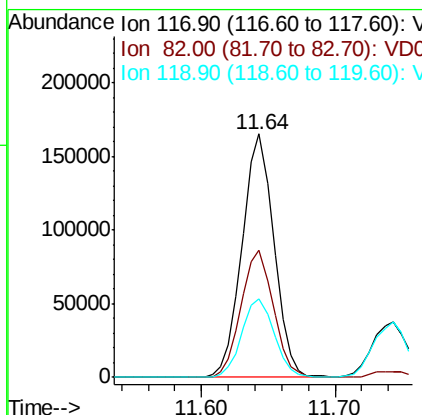
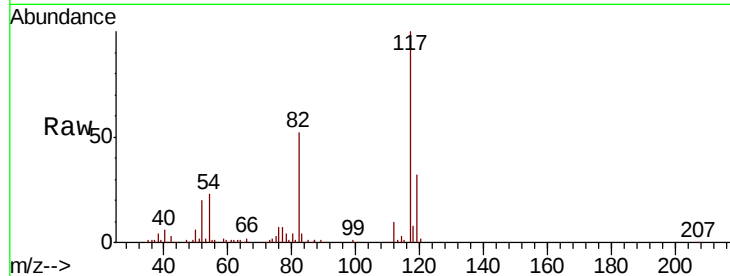




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

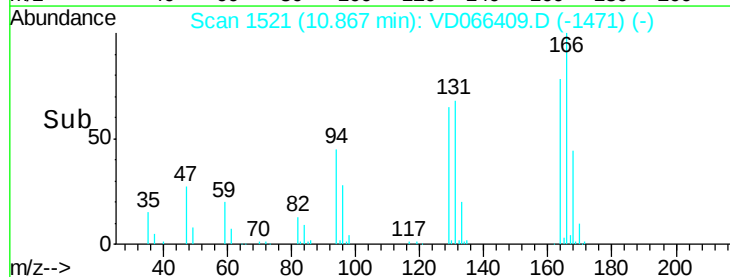
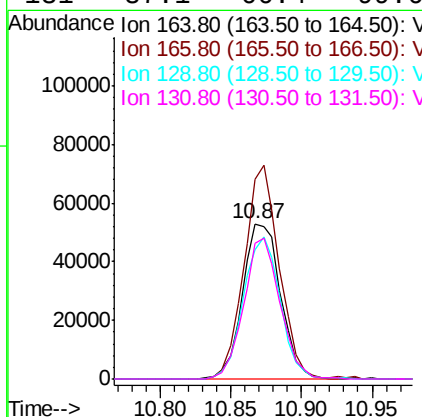
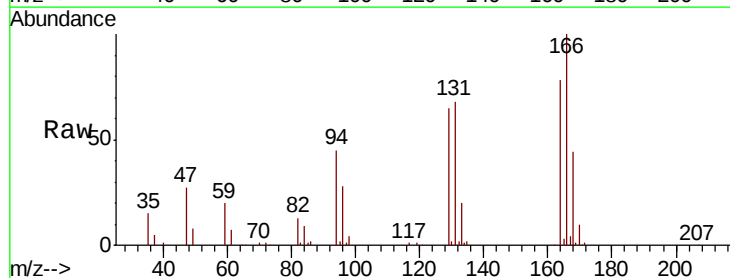
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

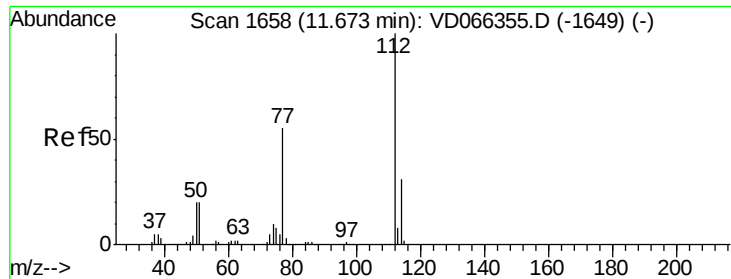
Tot Ion:117 Resp: 273089
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 48.176 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion:164 Resp: 99803
Ion Ratio Lower Upper
164 100
166 128.7 96.2 144.4
129 83.3 70.3 105.5
131 87.1 66.4 99.6

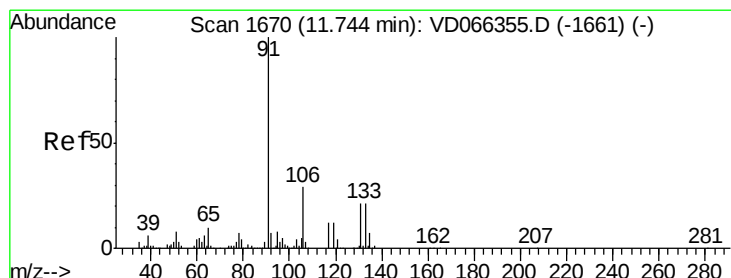
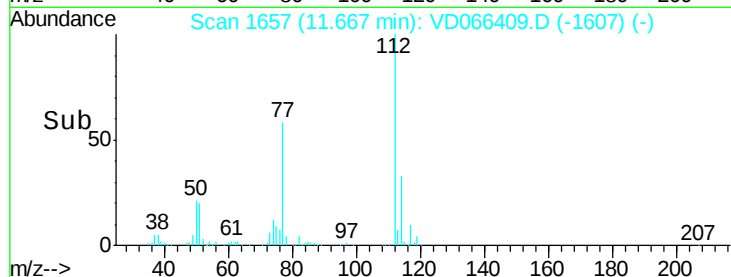
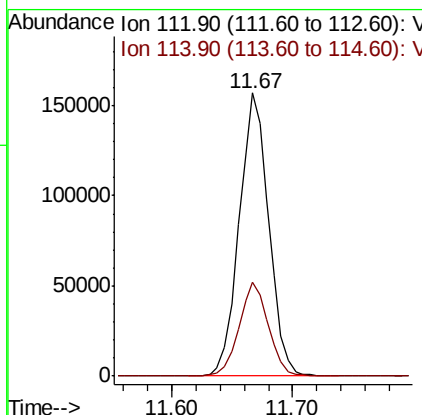
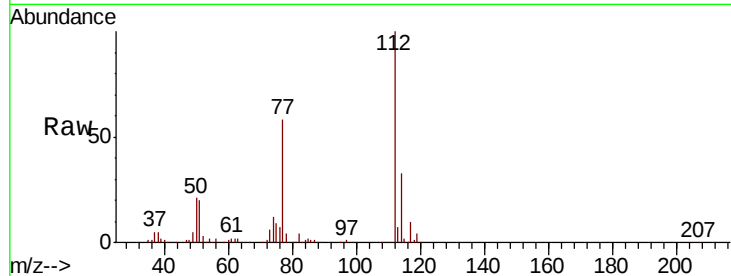




#65
Chlorobenzene
Concen: 49.192 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

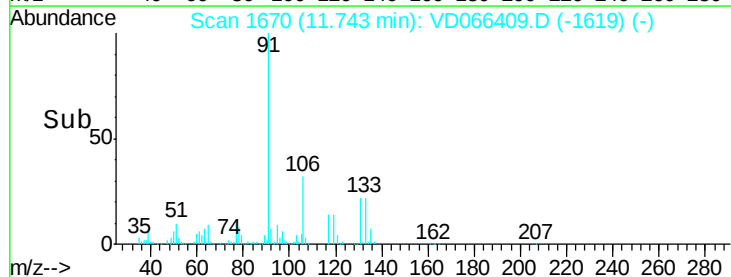
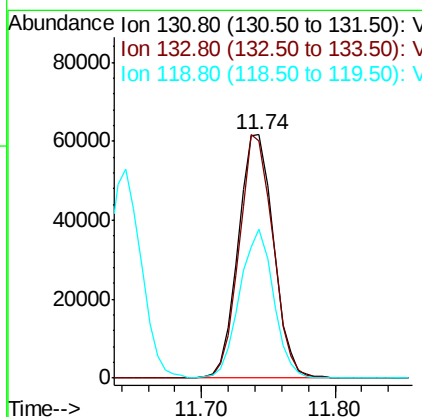
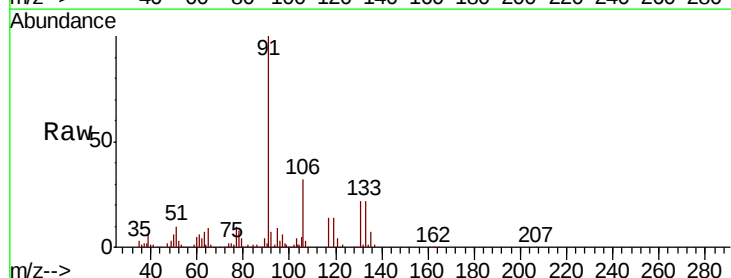
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

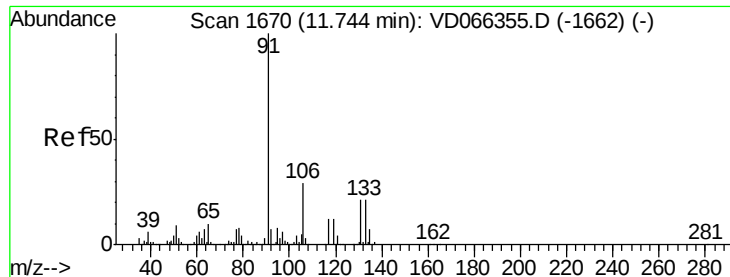
Tot Ion:112 Resp: 267265
Ion Ratio Lower Upper
112 100
114 33.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.793 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion:131 Resp: 112778
Ion Ratio Lower Upper
131 100
133 95.8 48.6 145.9
119 58.7 29.0 87.1





#67

Ethyl Benzene

Concen: 48.913 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

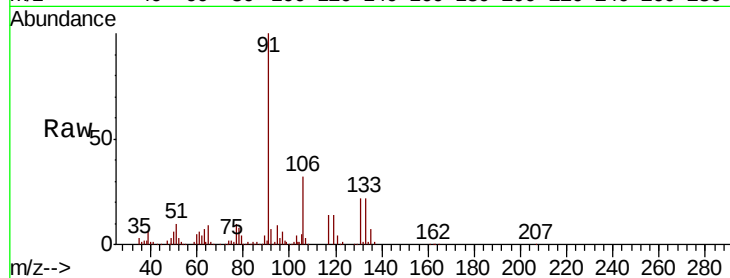
VSTDCCC050EC

Tot Ion: 91 Resp: 467787

Ion Ratio Lower Upper

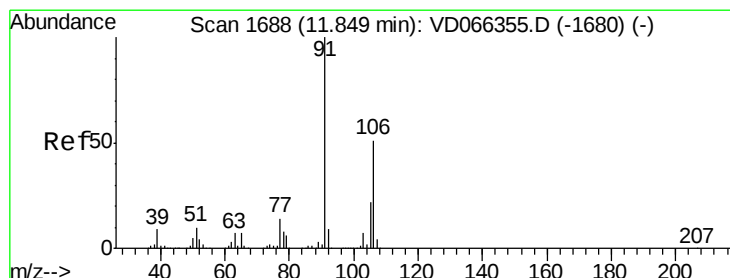
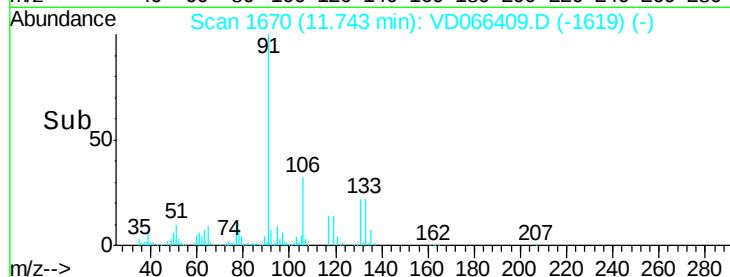
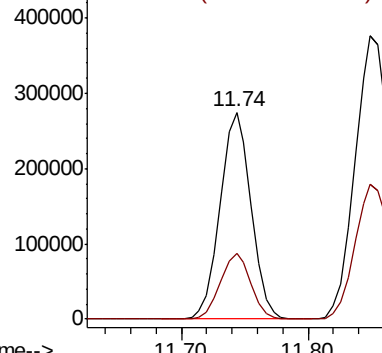
91 100

106 31.8 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 96.354 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066409.D

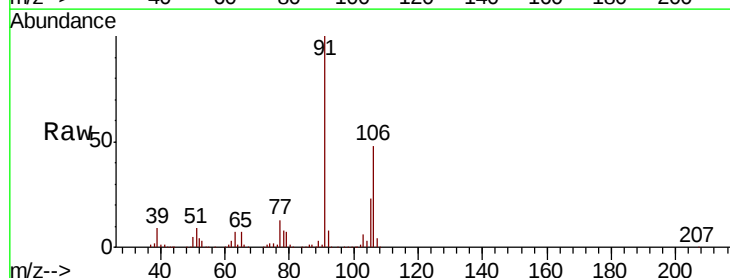
Acq: 25 Aug 2020 18:25

Tgt Ion: 106 Resp: 351232

Ion Ratio Lower Upper

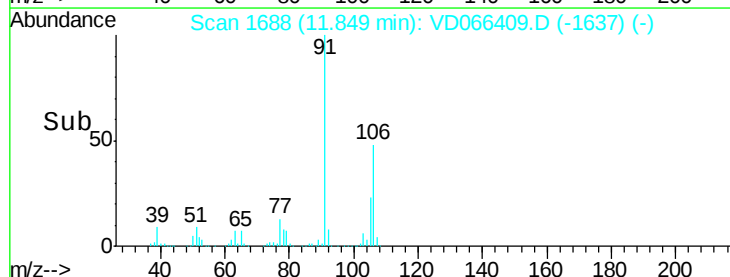
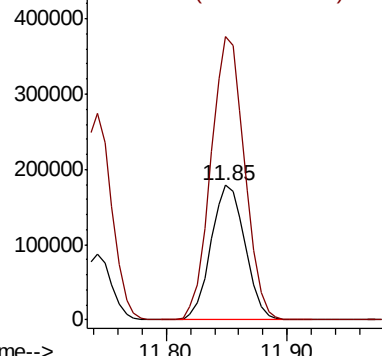
106 100

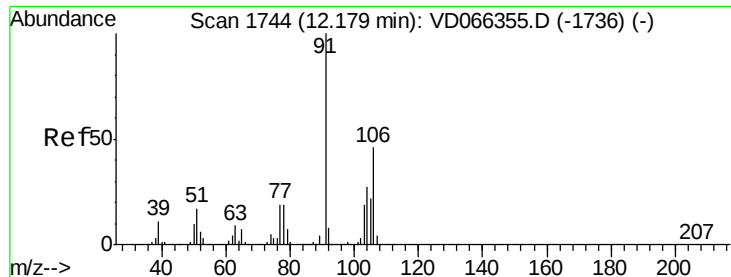
91 208.0 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

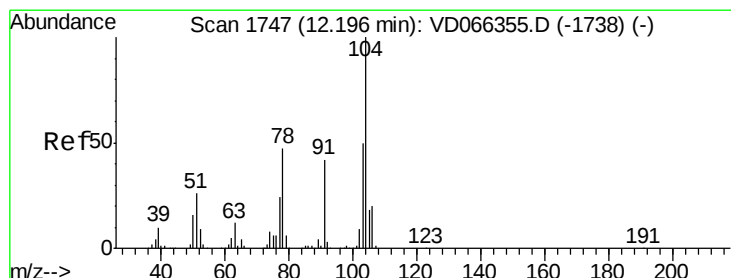
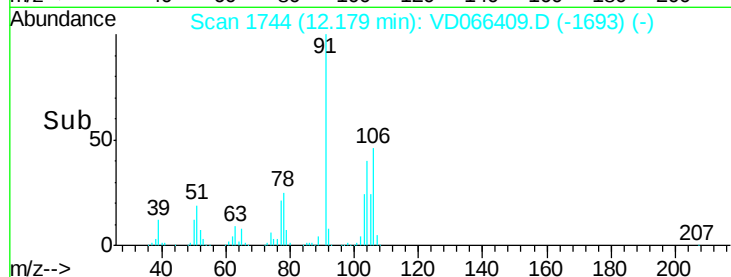
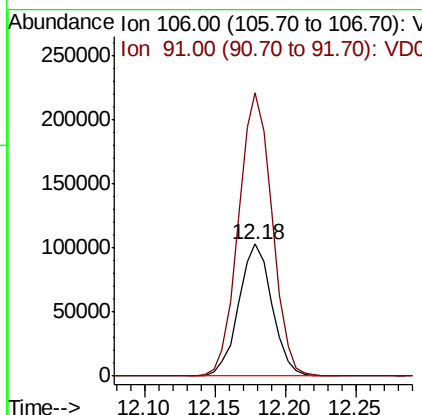
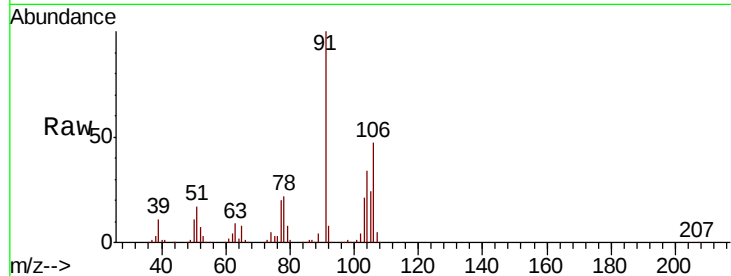




#69
o-Xylene
Concen: 50.060 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

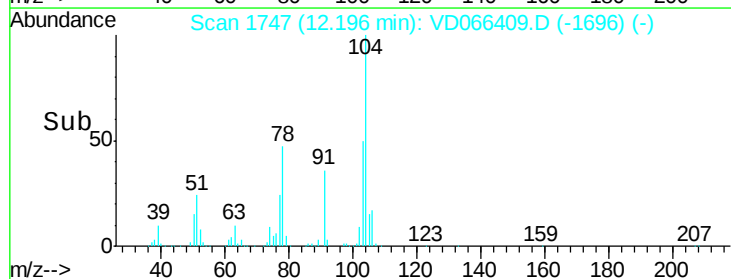
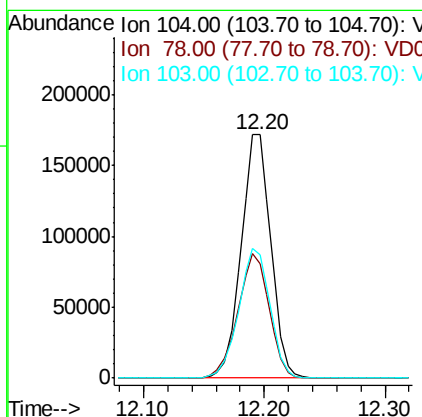
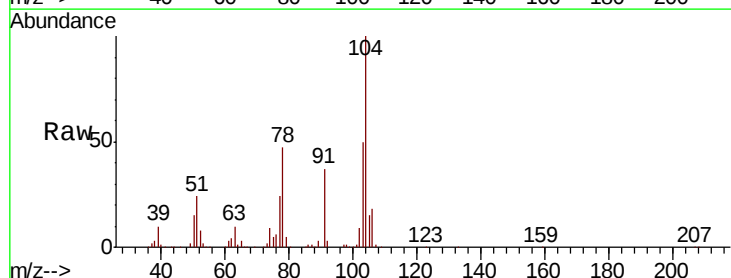
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

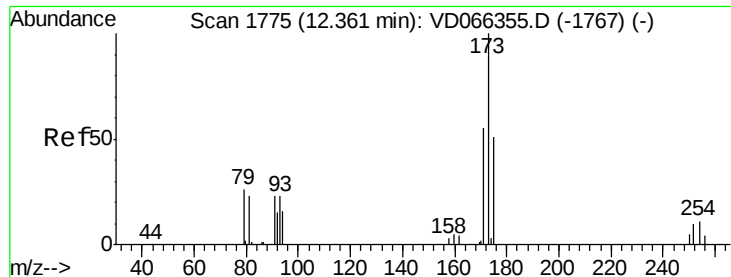
Tot Ion:106 Resp: 169761
Ion Ratio Lower Upper
106 100
91 216.2 109.1 327.3



#70
Styrene
Concen: 50.705 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion:104 Resp: 295246
Ion Ratio Lower Upper
104 100
78 53.8 41.7 62.5
103 56.1 43.5 65.3

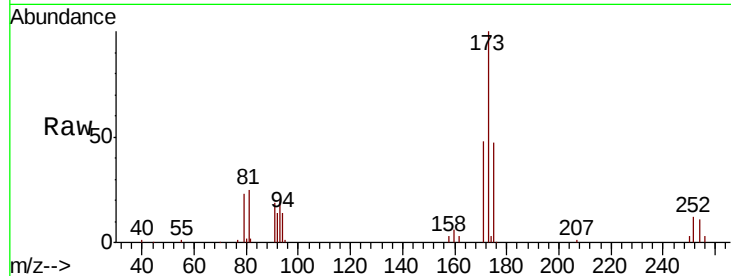




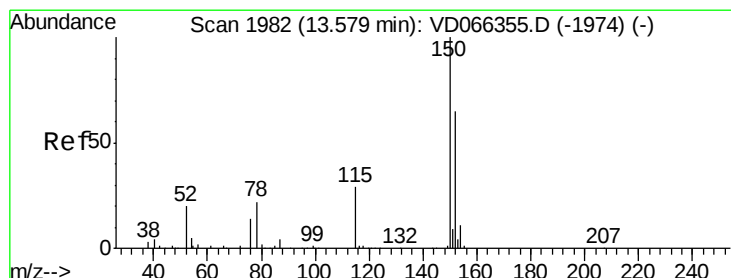
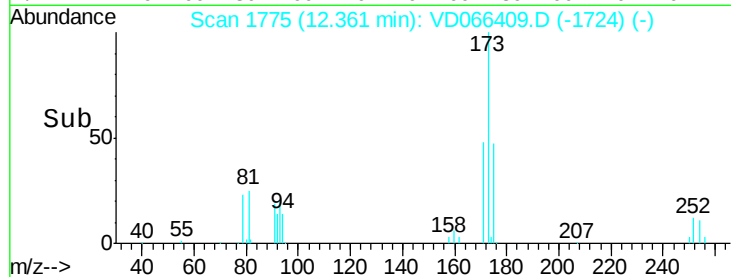
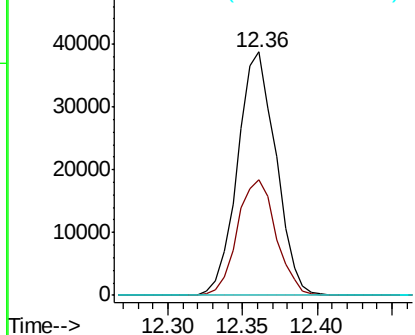
#71
Bromoform
Concen: 54.784 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 69011
Ion Ratio Lower Upper
173 100
175 47.9 24.8 74.3
254 0.0 0.0 0.0

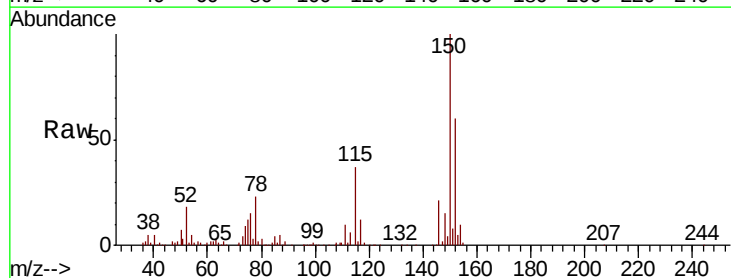


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

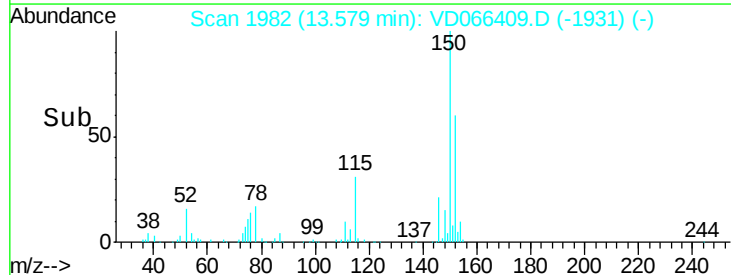
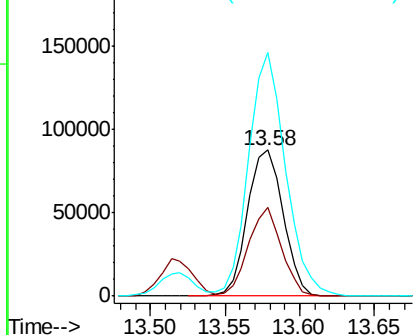


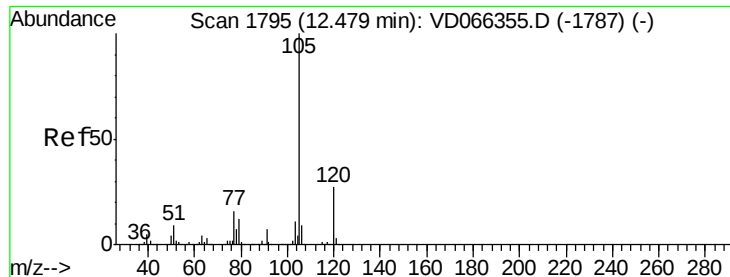
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion:152 Resp: 145327
Ion Ratio Lower Upper
152 100
115 56.4 28.3 85.0
150 172.1 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.556 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

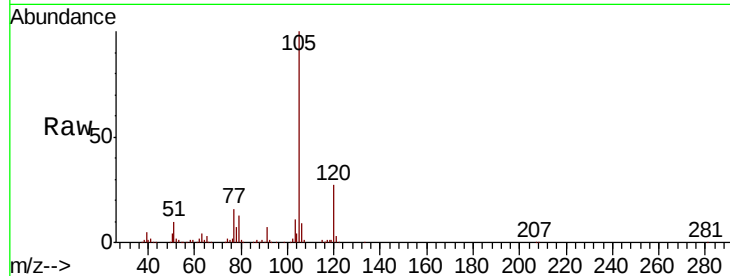
VSTDCCC050EC

Tot Ion:105 Resp: 462973

Ion Ratio Lower Upper

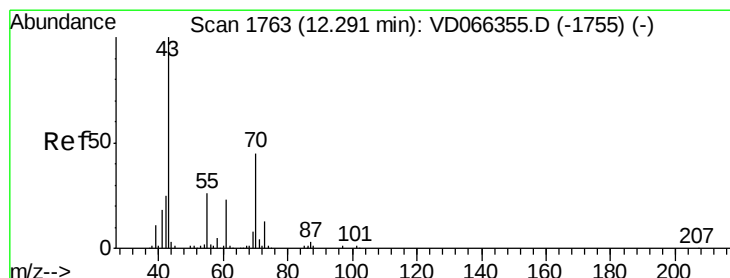
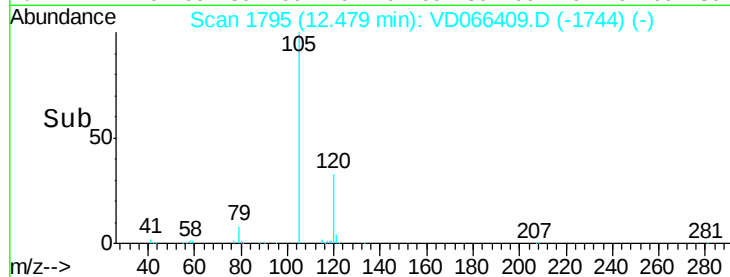
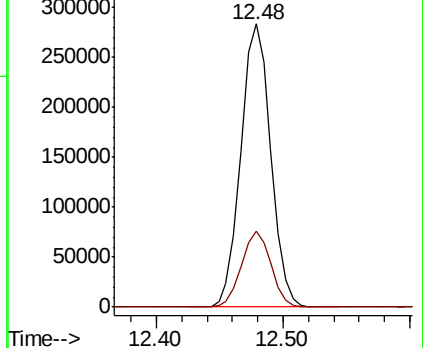
105 100

120 26.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.051 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Tgt Ion: 43 Resp: 93280

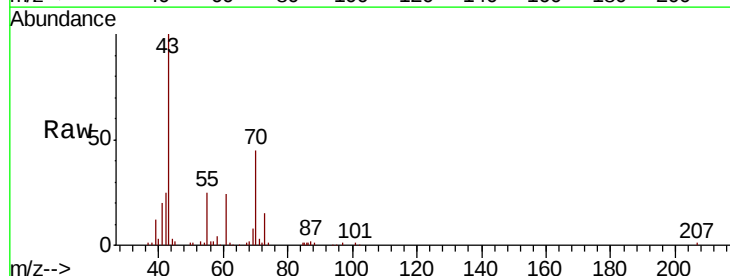
Ion Ratio Lower Upper

43 100

70 44.1 34.8 52.2

55 24.2 20.3 30.5

61 23.2 19.0 28.6

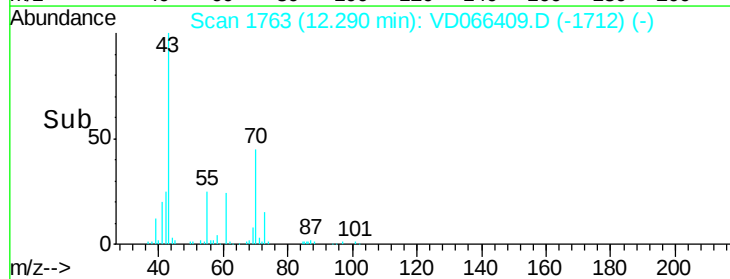
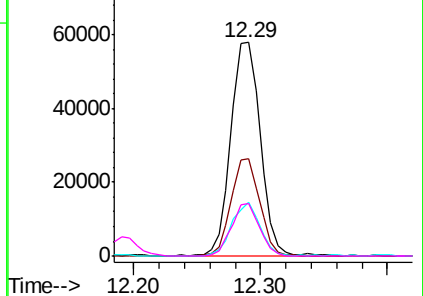


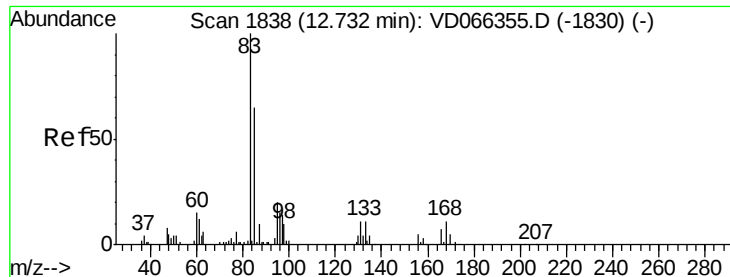
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.821 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

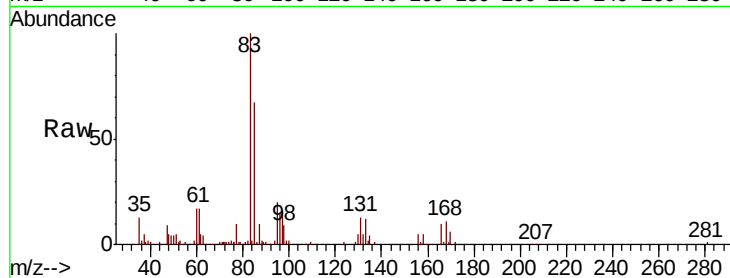
Tot Ion: 83 Resp: 72069

Ion Ratio Lower Upper

83 100

131 14.8 7.0 20.9

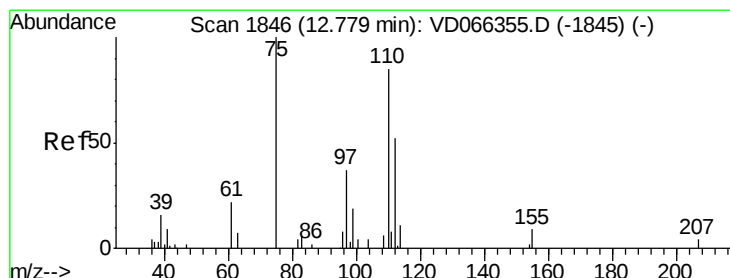
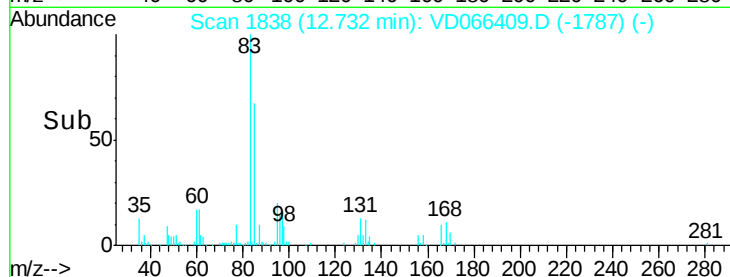
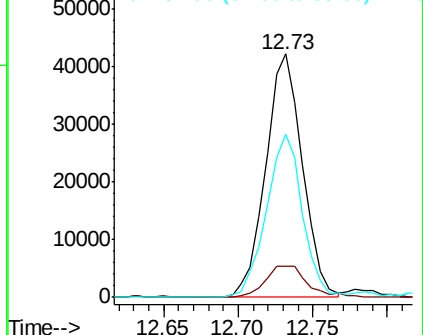
85 65.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 99.346 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066409.D

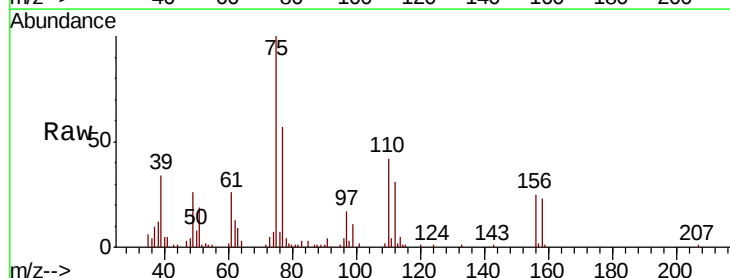
Acq: 25 Aug 2020 18:25

Tgt Ion: 75 Resp: 101570

Ion Ratio Lower Upper

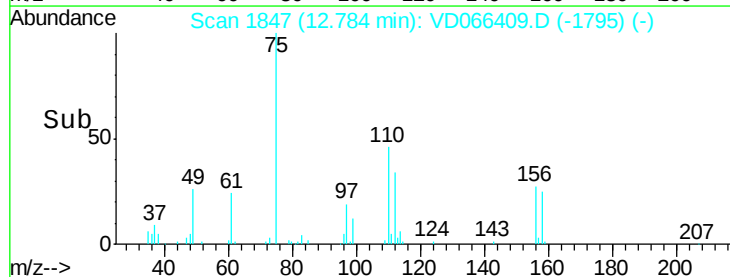
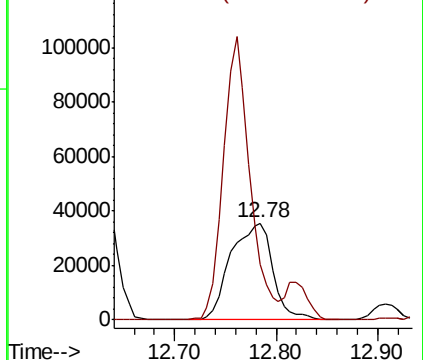
75 100

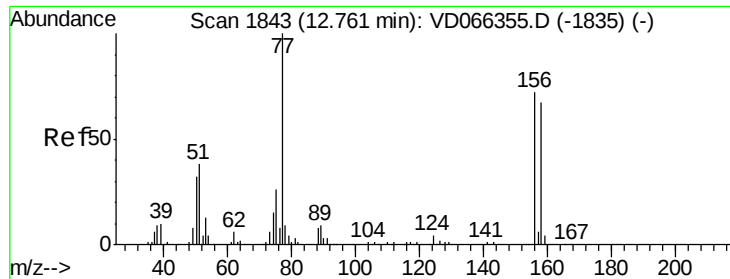
77 0.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.552 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

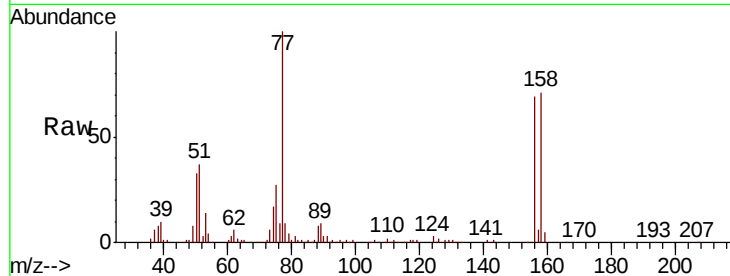
Tot Ion:156 Resp: 122440

Ion Ratio Lower Upper

156 100

77 155.5 76.1 228.3

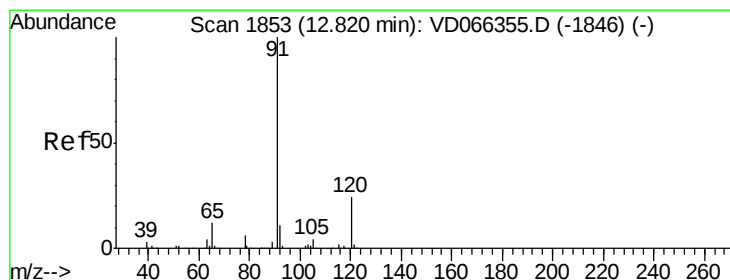
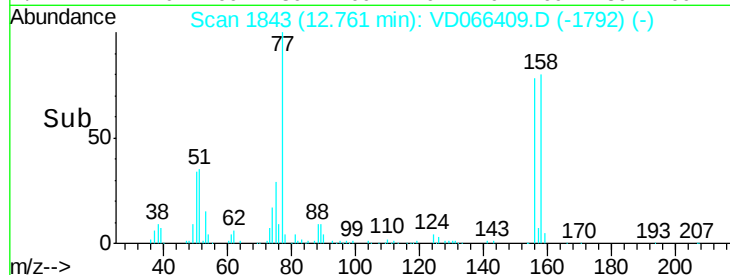
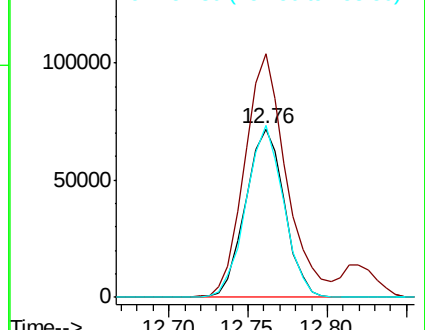
158 98.1 47.6 142.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.770 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066409.D

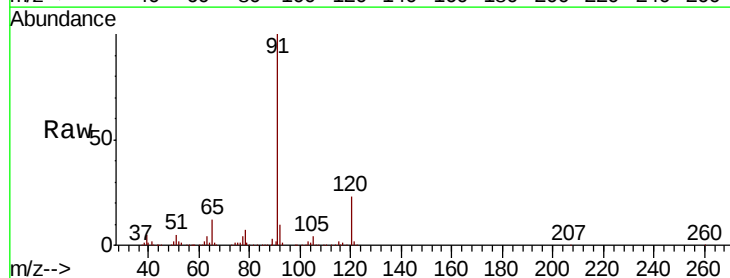
Acq: 25 Aug 2020 18:25

Tgt Ion: 91 Resp: 510912

Ion Ratio Lower Upper

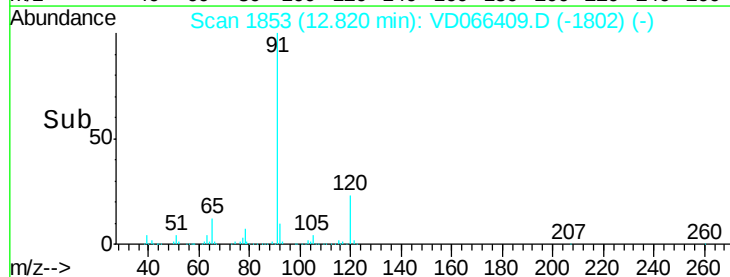
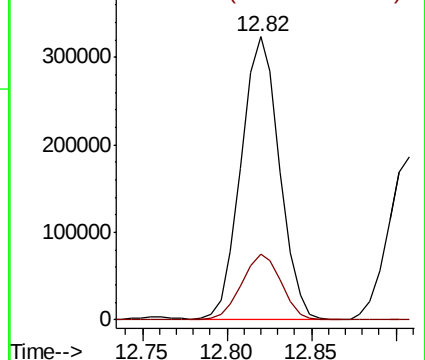
91 100

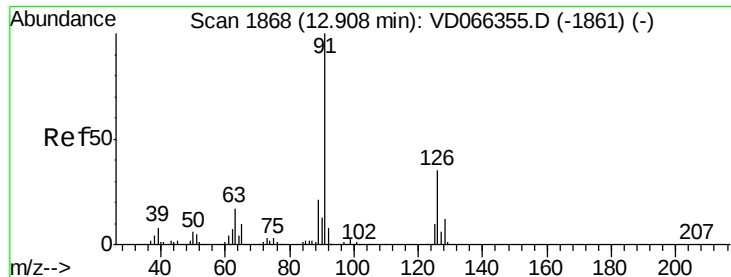
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

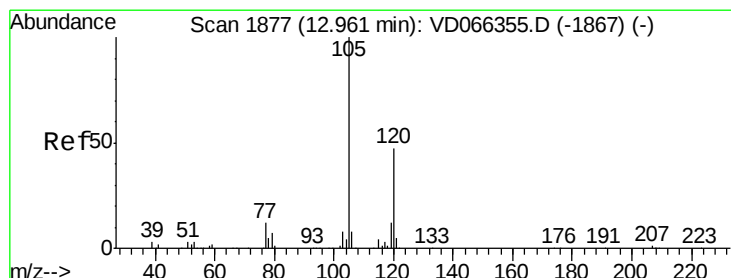
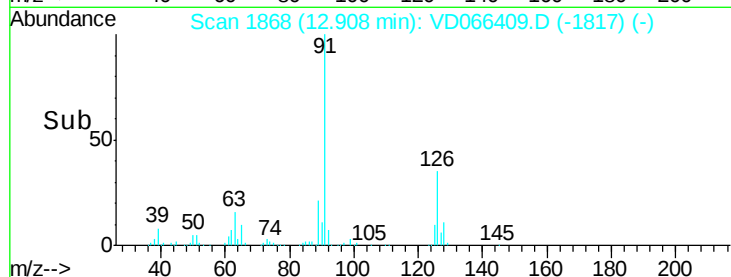
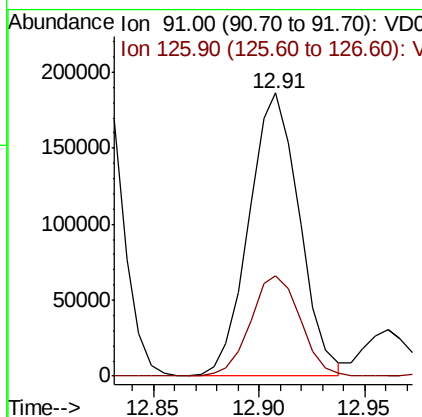
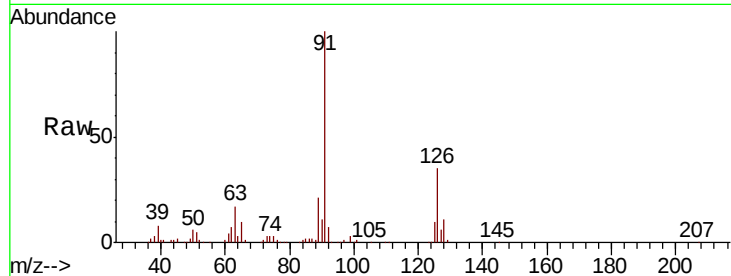




#79
 2-Chlorotoluene
 Concen: 48.331 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

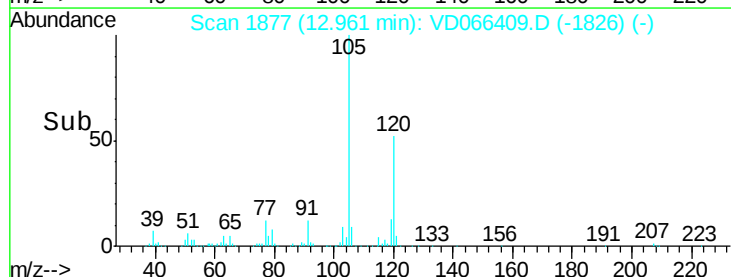
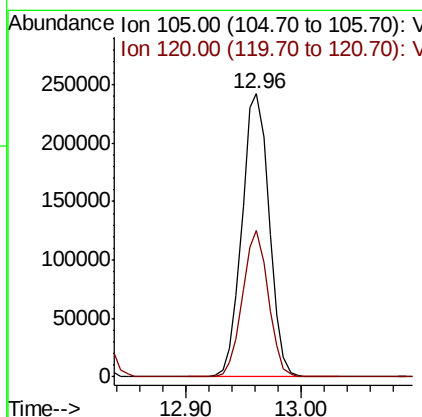
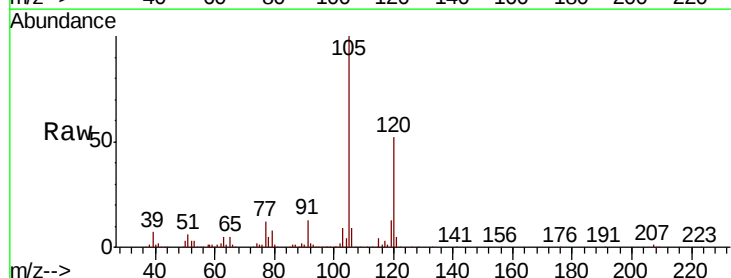
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

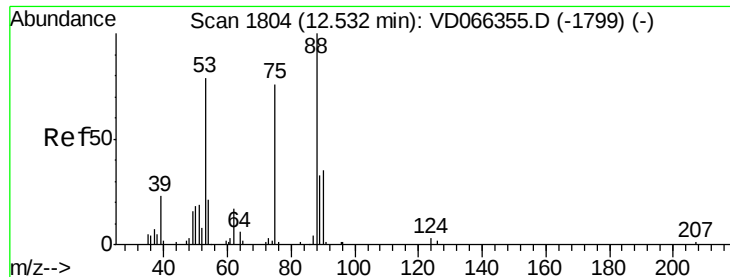
Tot Ion: 91 Resp: 308130
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 47.245 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion:105 Resp: 397127
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.621 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

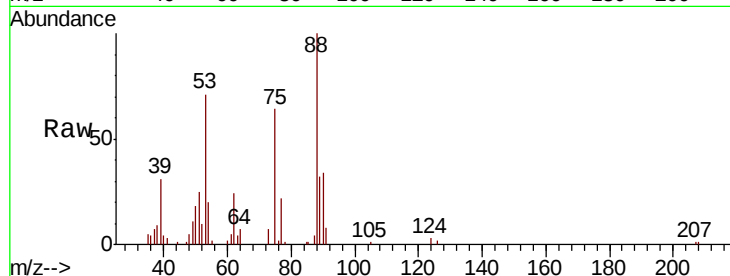
Tot Ion: 75 Resp: 23900

Ion Ratio Lower Upper

75 100

53 110.5 87.4 131.2

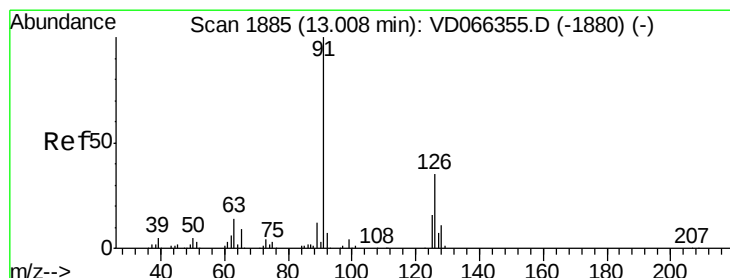
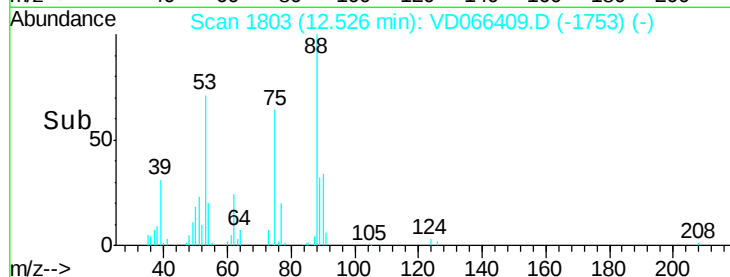
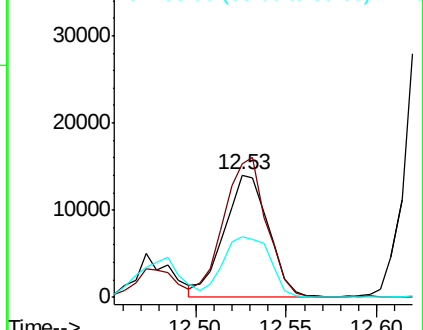
89 52.8 39.4 59.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.337 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066409.D

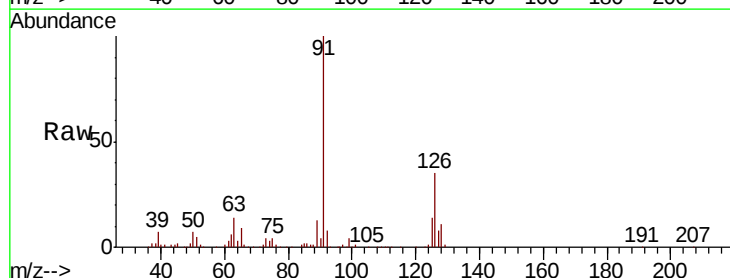
Acq: 25 Aug 2020 18:25

Tgt Ion: 91 Resp: 326497

Ion Ratio Lower Upper

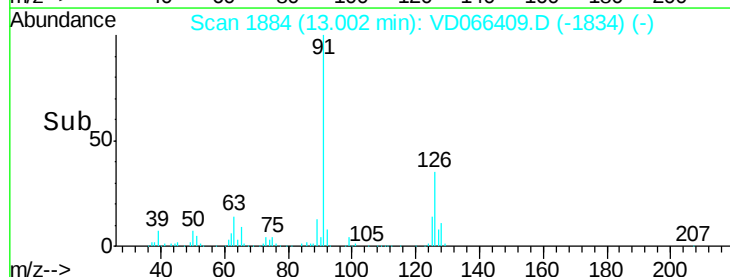
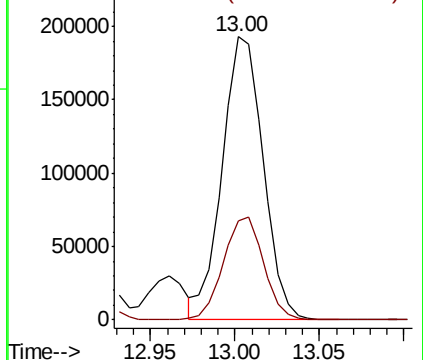
91 100

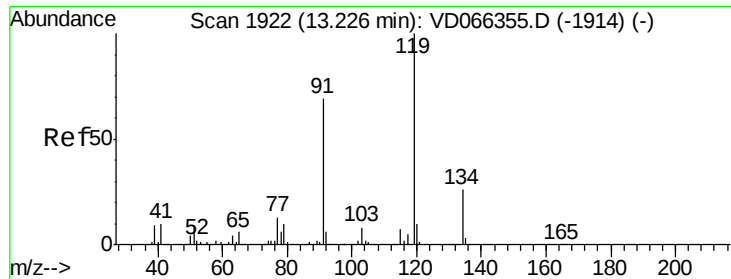
126 35.5 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

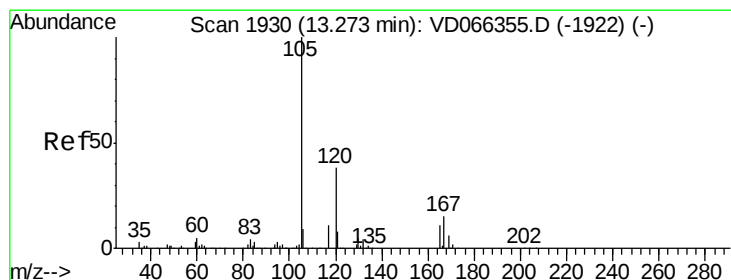
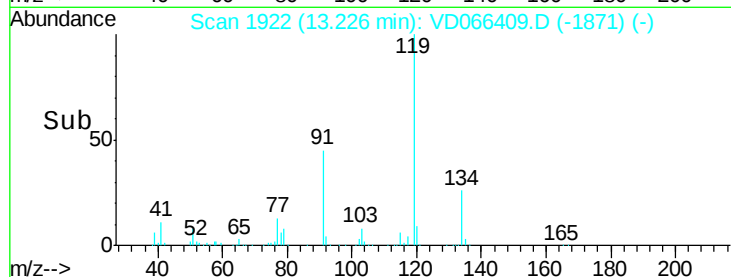
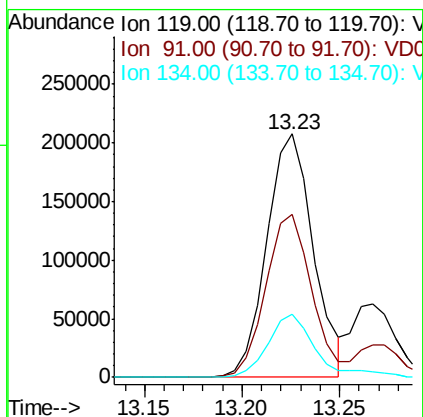
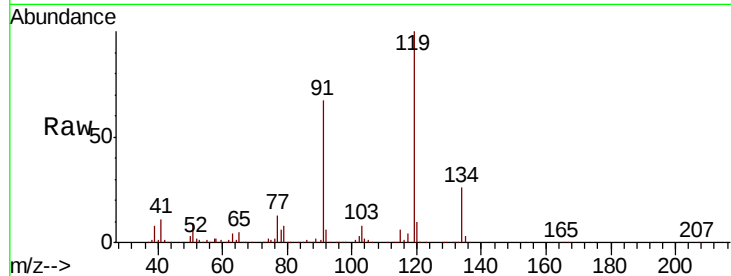




#83
tert-Butylbenzene
Concen: 47.018 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

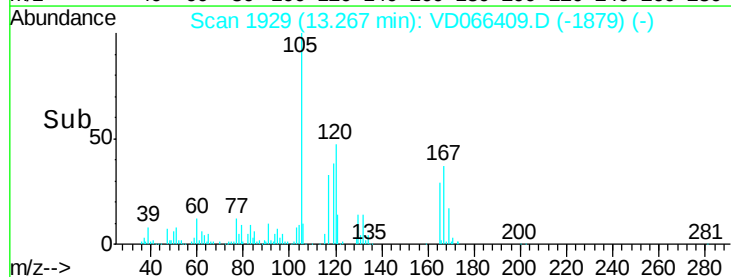
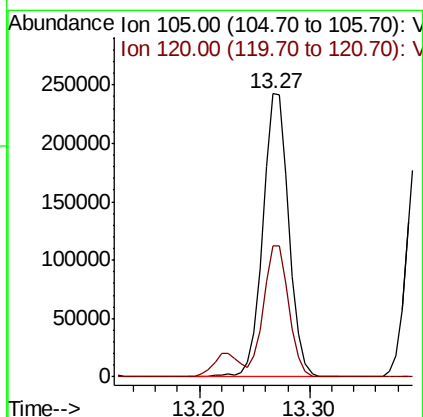
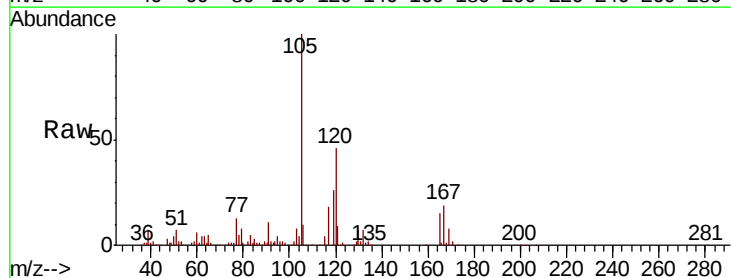
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

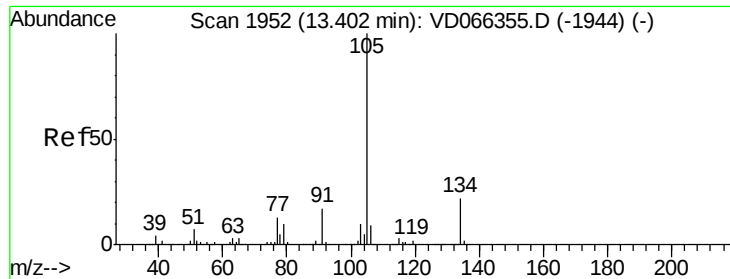
Tot Ion:119 Resp: 343281
Ion Ratio Lower Upper
119 100
91 66.9 33.5 100.5
134 26.9 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 48.323 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion:105 Resp: 398956
Ion Ratio Lower Upper
105 100
120 45.0 22.6 67.7





#85

sec-Butylbenzene

Concen: 45.553 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

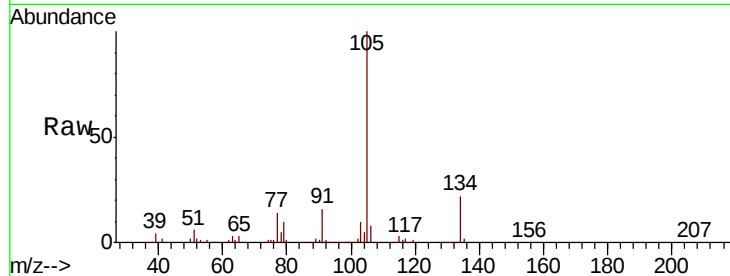
VSTDCCC050EC

Tot Ion:105 Resp: 435748

Ion Ratio Lower Upper

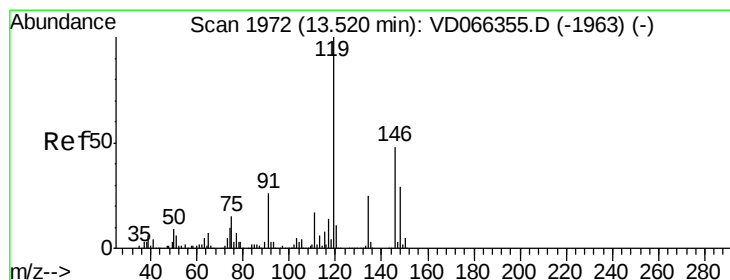
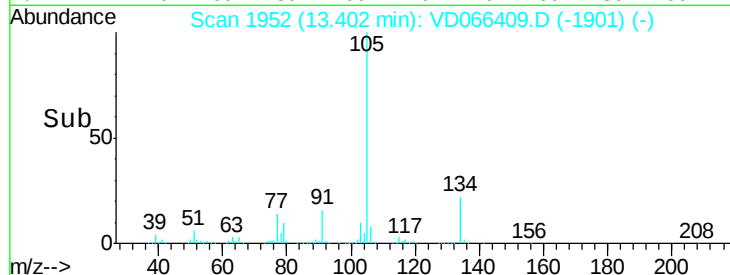
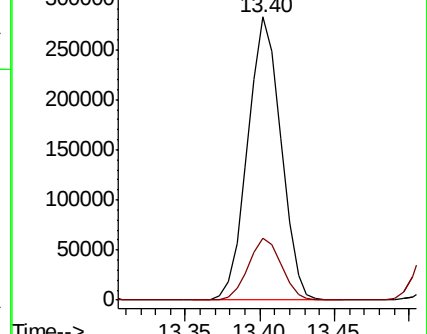
105 100

134 21.8 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.083 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

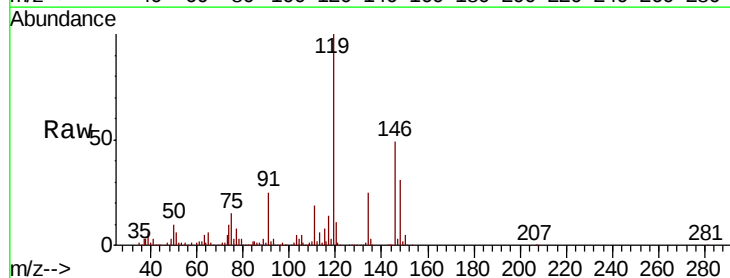
Tgt Ion:119 Resp: 434283

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

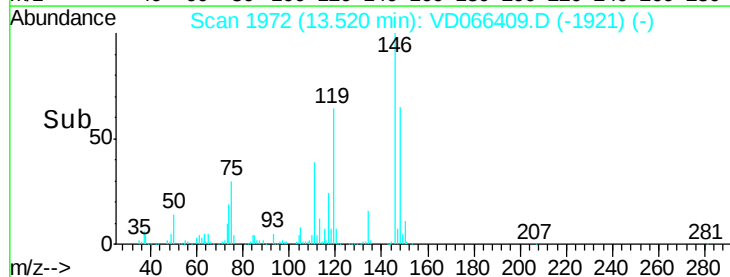
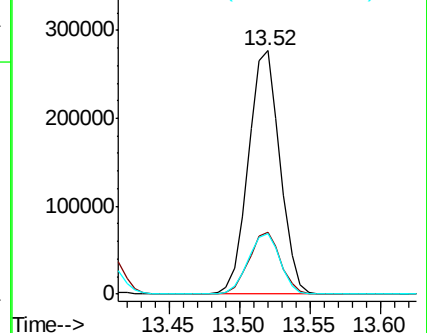
91 25.0 12.7 38.0

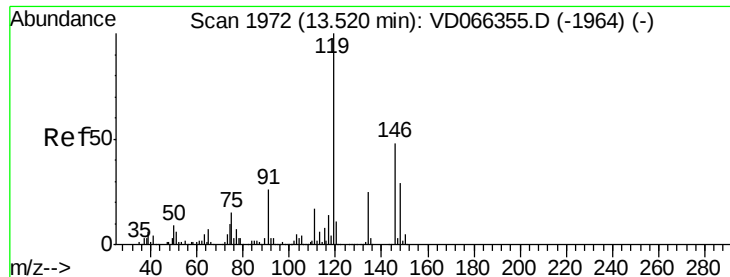


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.911 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

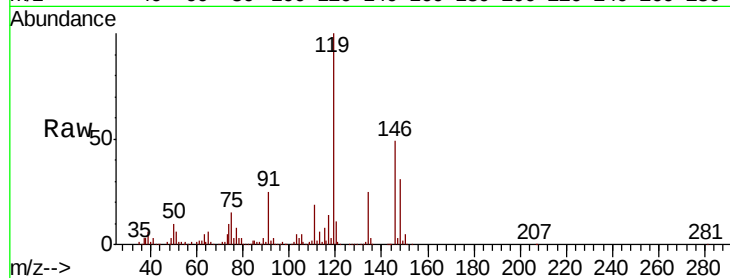
Tot Ion:146 Resp: 225601

Ion Ratio Lower Upper

146 100

111 38.5 18.9 56.9

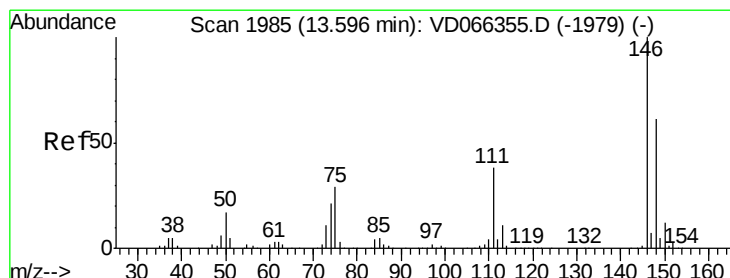
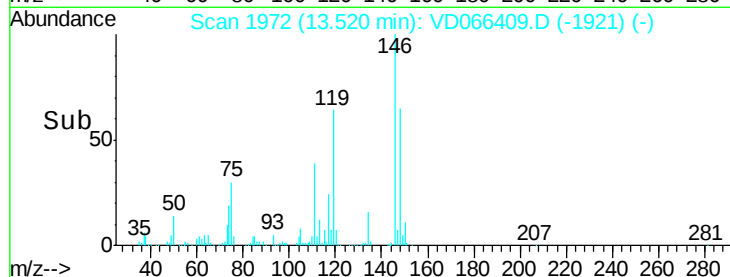
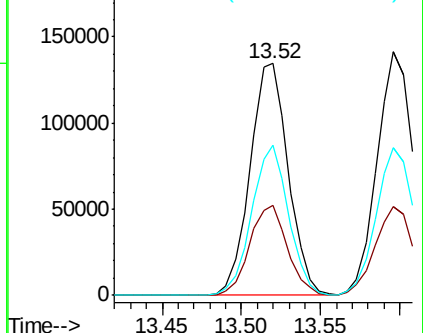
148 62.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.695 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

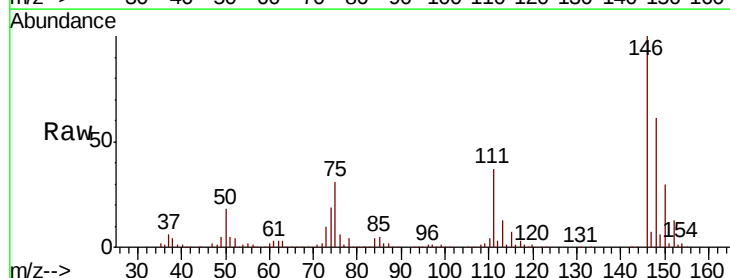
Tgt Ion:146 Resp: 225517

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.5

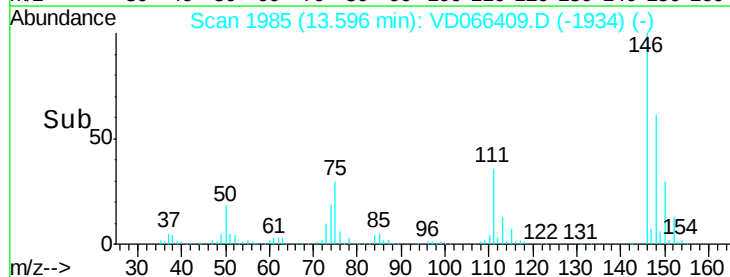
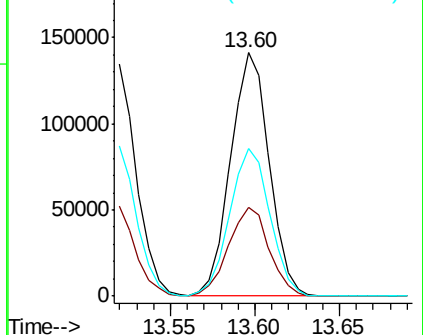
148 63.0 32.1 96.3

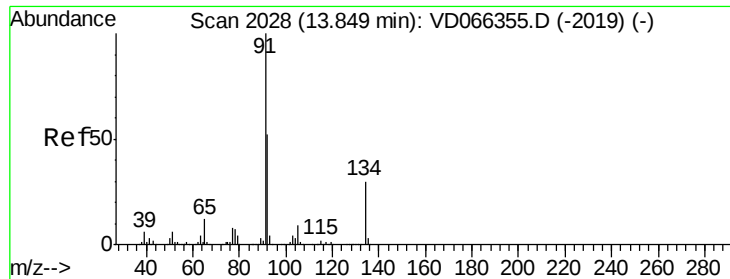


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

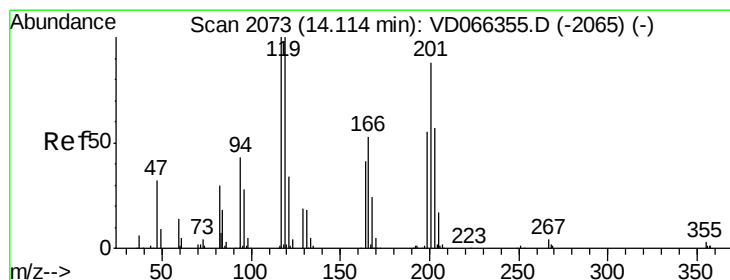
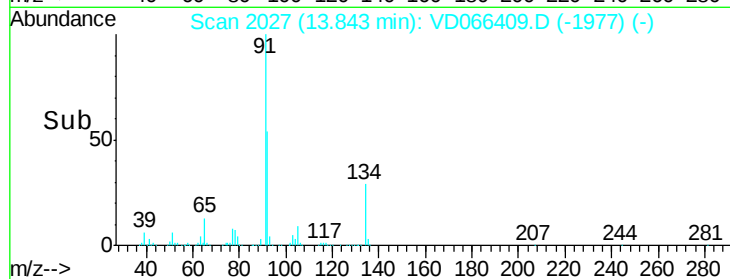
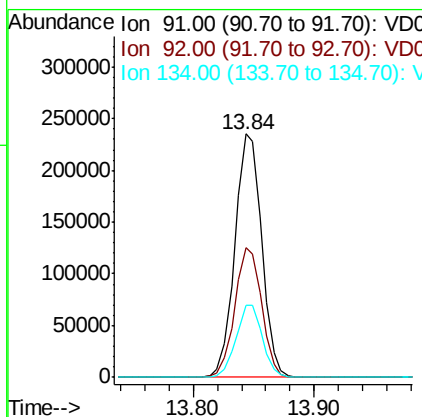
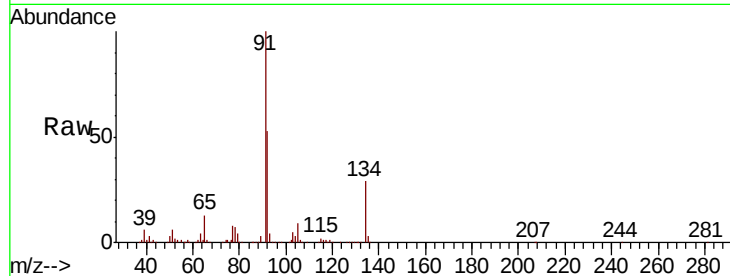




#89
n-Butylbenzene
Concen: 44.735 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

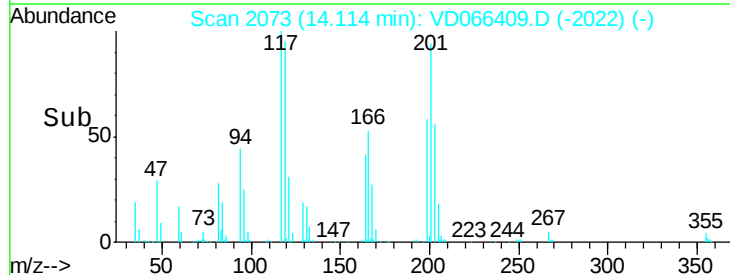
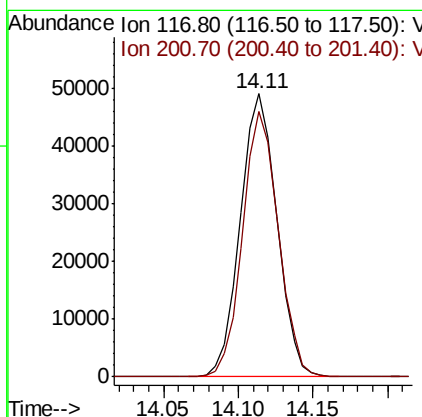
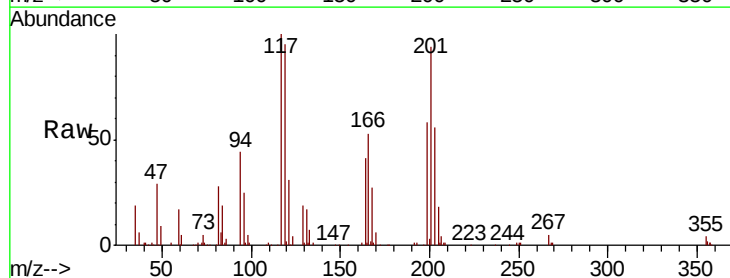
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

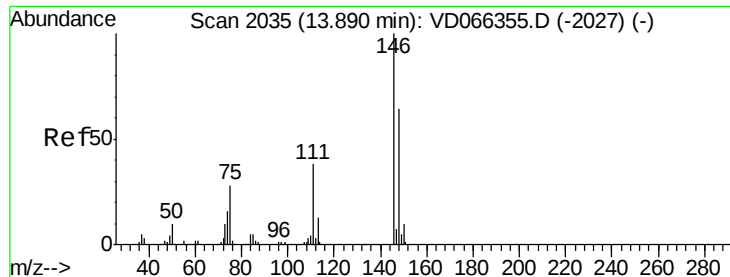
Tot Ion: 91 Resp: 364119
Ion Ratio Lower Upper
91 100
92 53.3 26.4 79.0
134 29.1 14.4 43.4



#90
Hexachloroethane
Concen: 45.874 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 117 Resp: 83585
Ion Ratio Lower Upper
117 100
201 91.0 45.4 136.2





#91

1,2-Dichlorobenzene

Concen: 50.480 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

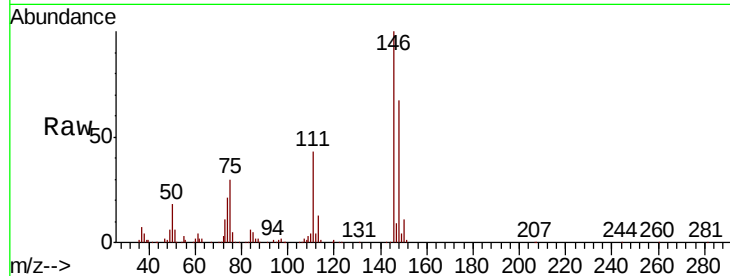
Tot Ion:146 Resp: 200442

Ion Ratio Lower Upper

146 100

111 40.3 19.9 59.7

148 63.8 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.89

150000

100000

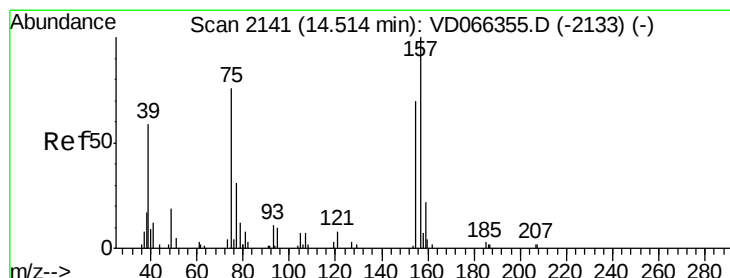
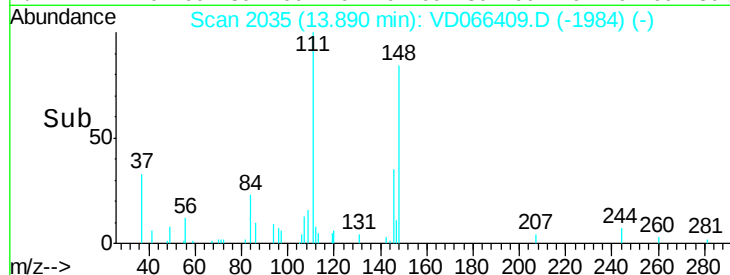
50000

0

13.80

13.90

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.448 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

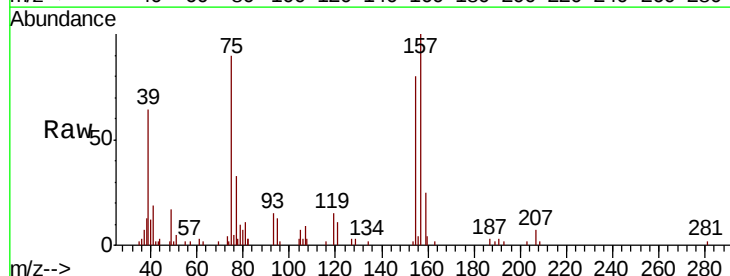
Tgt Ion: 75 Resp: 15590

Ion Ratio Lower Upper

75 100

155 95.0 46.9 140.6

157 119.9 61.0 183.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.51

10000

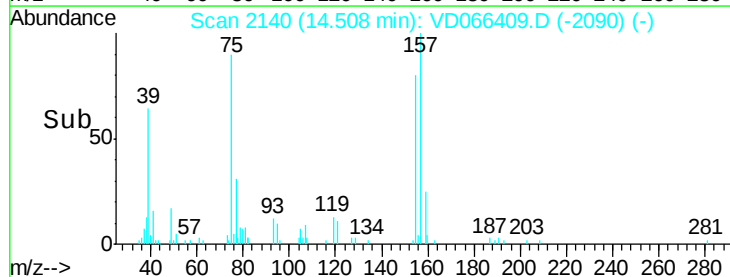
5000

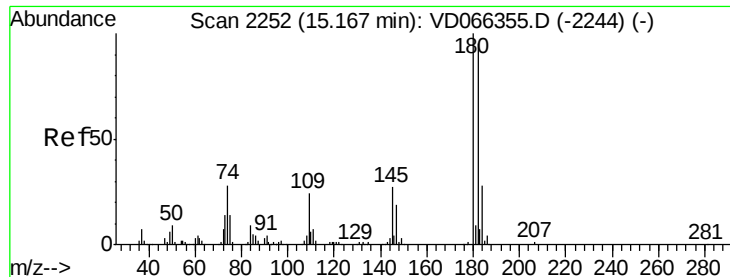
0

14.45

14.55

Time-->

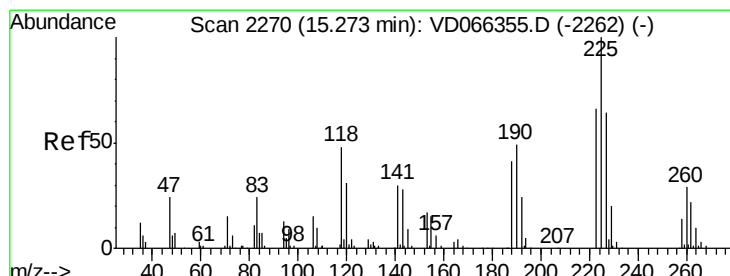
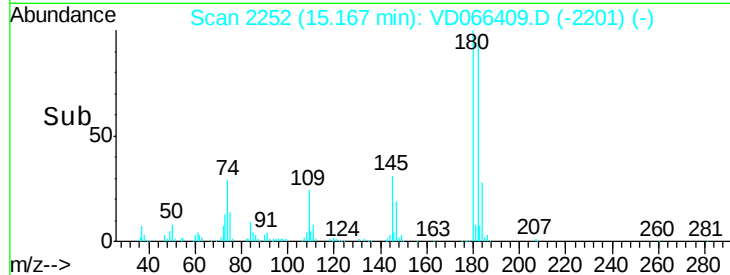
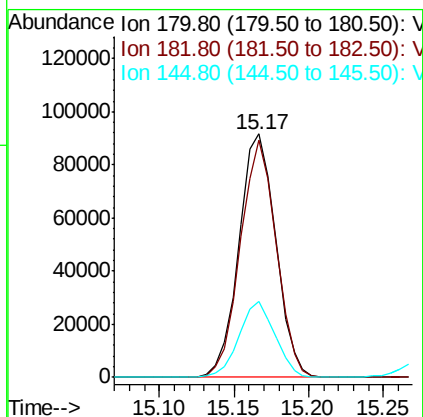
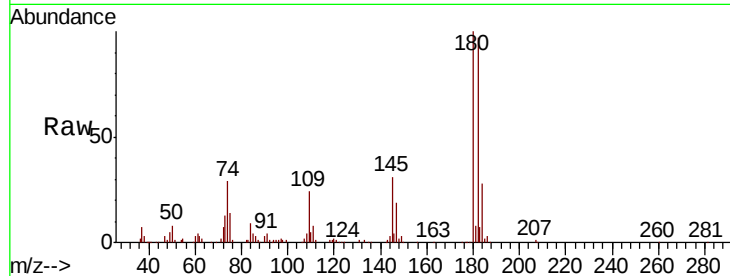




#93
 1,2,4-Trichlorobenzene
 Concen: 50.550 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

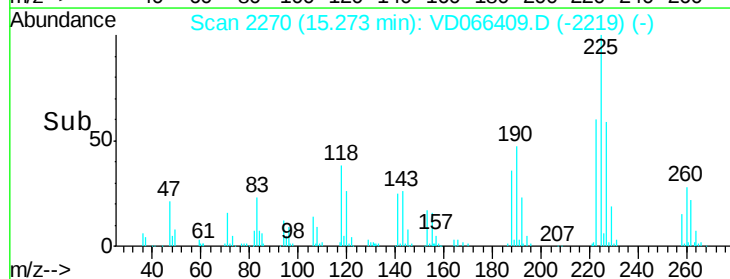
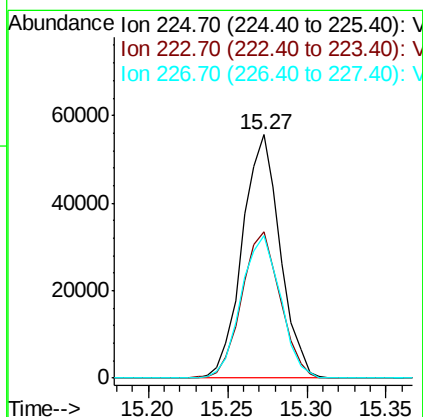
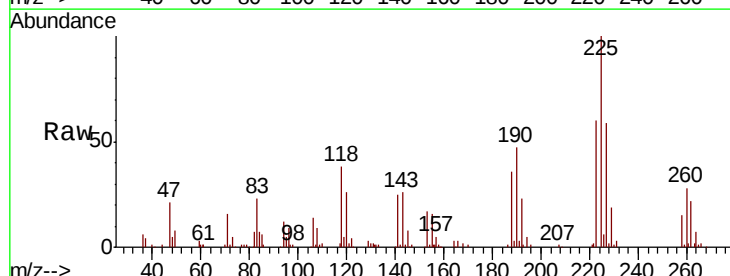
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

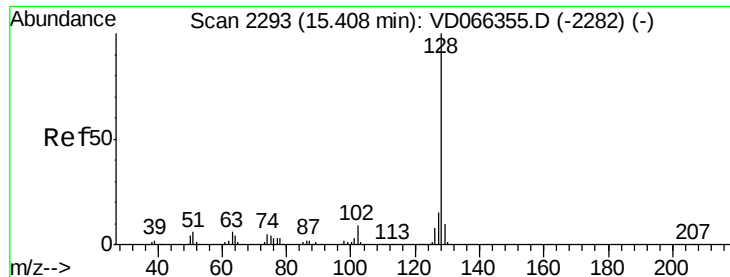
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.0
145	30.6	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 47.797 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.5	97.4
227	60.9	33.0	98.9

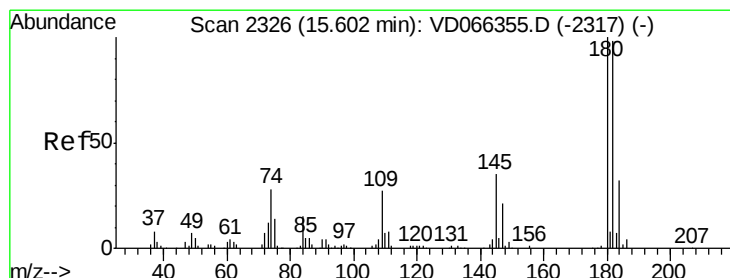
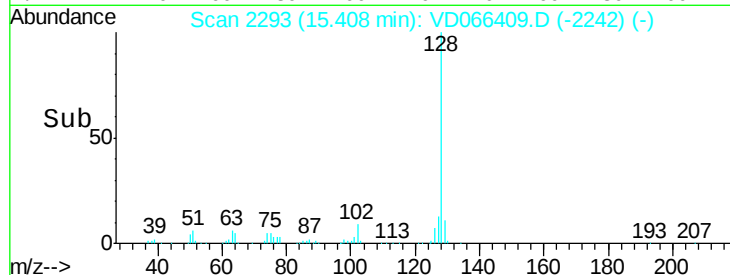
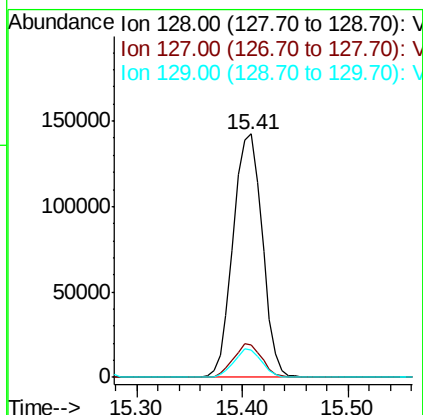
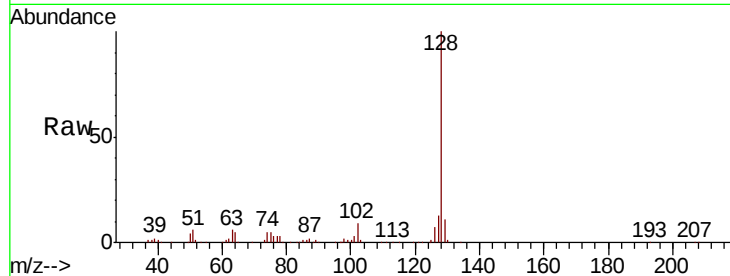




#95
Naphthalene
Concen: 55.985 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 272577
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.359 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion:180 Resp: 136383
Ion Ratio Lower Upper
180 100
182 97.1 46.7 140.0
145 33.3 16.0 48.0

