

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066885.D
 Acq On : 25 Sep 2020 20:18
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 26 03:03:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	387692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	627184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	593015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	283521	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185938	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.91	113	195748	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.33	98	674051	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.63	95	242150	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	124859	45.685	ug/l	96
3) Chloromethane	2.20	50	150347	42.208	ug/l	96
4) Vinyl Chloride	2.35	62	147768	41.990	ug/l	91
5) Bromomethane	2.77	94	110429	44.645	ug/l	96
6) Chloroethane	2.92	64	94364	43.180	ug/l	95
7) Trichlorofluoromethane	3.27	101	319378	44.190	ug/l	99
8) Diethyl Ether	3.71	74	93487	50.952	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	189579	45.237	ug/l	98
10) Methyl Iodide	4.30	142	182568	49.368	ug/l	98
11) Tert butyl alcohol	5.22	59	62959	280.476	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	171751	45.241	ug/l	95
13) Acrolein	3.92	56	87152	311.341	ug/l	97
14) Allyl chloride	4.71	41	264412	47.431	ug/l	98
15) Acrylonitrile	5.43	53	207857	255.631	ug/l	99
16) Acetone	4.16	43	163374	202.959	ug/l	95
17) Carbon Disulfide	4.41	76	517019	44.546	ug/l	100
18) Methyl Acetate	4.71	43	99624	55.896	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	441736	53.580	ug/l	93
20) Methylene Chloride	4.97	84	232885	54.082	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	210207	47.820	ug/l	93
22) Diisopropyl ether	6.37	45	599789	52.329	ug/l	96
23) Vinyl Acetate	6.31	43	1561914	250.978	ug/l	98
24) 1,1-Dichloroethane	6.27	63	372714	48.607	ug/l #	97
25) 2-Butanone	7.21	43	244985	253.255	ug/l	99
26) 2,2-Dichloropropane	7.21	77	301685	42.926	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	247165	51.750	ug/l	96
28) Bromochloromethane	7.54	49	170275	53.752	ug/l #	96
29) Tetrahydrofuran	7.56	42	166483	268.596	ug/l	98
30) Chloroform	7.71	83	406822	49.219	ug/l	98
31) Cyclohexane	7.98	56	290708	42.135	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	350881	46.927	ug/l	99
36) 1,1-Dichloropropene	8.11	75	288643	46.389	ug/l	99
37) Ethyl Acetate	7.30	43	121133	53.852	ug/l	99
38) Carbon Tetrachloride	8.10	117	309405	45.483	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	329675	46.147	ug/l	98
40) Benzene	8.35	78	848004	48.901	ug/l	96
41) Methacrylonitrile	7.52	41	72227	52.214	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	252531	49.260	ug/l	99
43) Isopropyl Acetate	8.45	43	219133	50.530	ug/l	100
44) Trichloroethene	9.11	130	238122	48.176	ug/l	98
45) 1,2-Dichloropropane	9.38	63	211098	48.383	ug/l	94
46) Dibromomethane	9.47	93	122500	51.676	ug/l	97
47) Bromodichloromethane	9.66	83	321211	50.441	ug/l	95
48) Methyl methacrylate	9.45	41	110765	51.804	ug/l	99
49) 1,4-Dioxane	9.46	88	28669	1074.128	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	596630	271.515	ug/l	99
52) Toluene	10.40	92	570965	51.116	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	279496	51.567	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	338129	51.163	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	166266	51.020	ug/l	98
56) Ethyl methacrylate	10.66	69	195308	55.944	ug/l	97
57) 1,3-Dichloropropane	10.94	76	286043	53.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	426560	258.049	ug/l	100
59) 2-Hexanone	10.98	43	401014	270.612	ug/l	98
60) Dibromochloromethane	11.14	129	222432	52.298	ug/l	99
61) 1,2-Dibromoethane	11.24	107	164885	54.397	ug/l	98
64) Tetrachloroethene	10.87	164	206120	48.321	ug/l	93
65) Chlorobenzene	11.67	112	603815	48.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	234612	50.217	ug/l	98
67) Ethyl Benzene	11.74	91	1076336	49.647	ug/l	99
68) m/p-Xylenes	11.85	106	830929	101.230	ug/l	100
69) o-Xylene	12.18	106	379630	51.148	ug/l	100
70) Styrene	12.19	104	676682	52.498	ug/l	99
71) Bromoform	12.36	173	123744	52.313	ug/l #	97
73) Isopropylbenzene	12.48	105	1031098	50.343	ug/l	99
74) N-amyl acetate	12.28	43	205068	51.270	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	178765	50.582	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	231284	98.436	ug/l #	100
77) Bromobenzene	12.76	156	245712	51.295	ug/l	96
78) n-propylbenzene	12.82	91	1207536	49.007	ug/l	100
79) 2-Chlorotoluene	12.91	91	693328	49.378	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	881428	50.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51461	54.797	ug/l	96
82) 4-Chlorotoluene	13.00	91	744752	50.316	ug/l	100
83) tert-Butylbenzene	13.23	119	728267	50.997	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	876001	50.833	ug/l	99
85) sec-Butylbenzene	13.40	105	1011973	49.279	ug/l	99
86) p-Isopropyltoluene	13.52	119	933659	50.439	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	467392	49.388	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	460972	49.043	ug/l	99
89) n-Butylbenzene	13.84	91	851290	48.385	ug/l	99
90) Hexachloroethane	14.11	117	183264	48.766	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	408939	50.508	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29810	52.434	ug/l	99

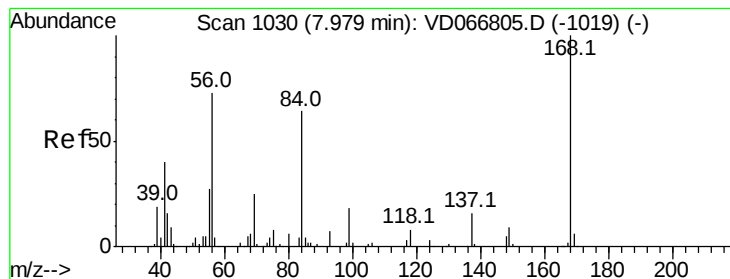
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	264532	51.901	ug/l	95
94) Hexachlorobutadiene	15.27	225	147491	48.290	ug/l	98
95) Naphthalene	15.40	128	479610	55.425	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	229548	52.180	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

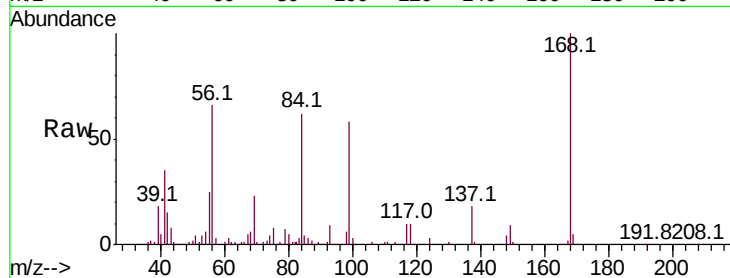
VSTDCCC050EC

Tot Ion:168 Resp: 387692

Ion Ratio Lower Upper

168 100

99 57.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

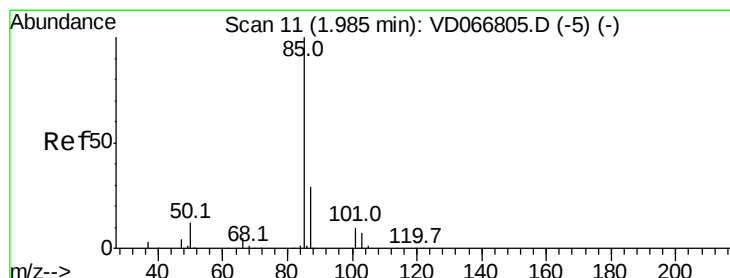
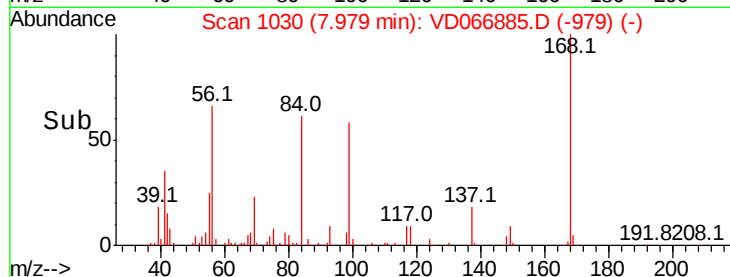
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.685 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066885.D

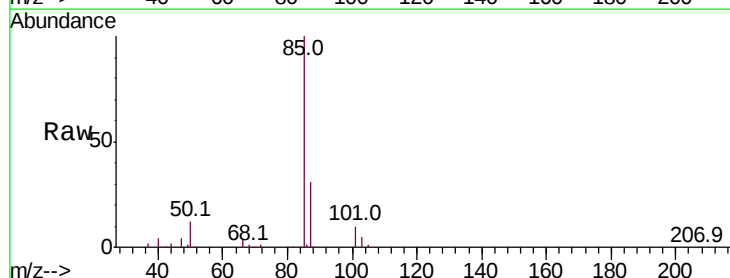
Acq: 25 Sep 2020 20:18

Tgt Ion: 85 Resp: 124859

Ion Ratio Lower Upper

85 100

87 31.3 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

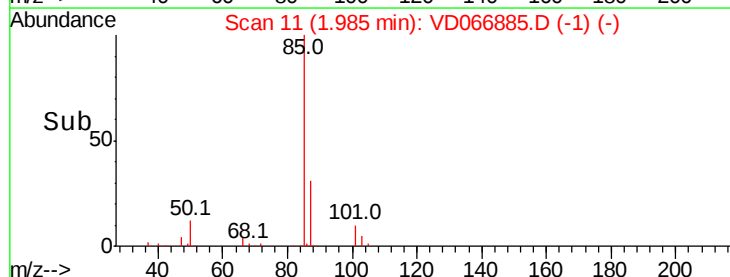
40000

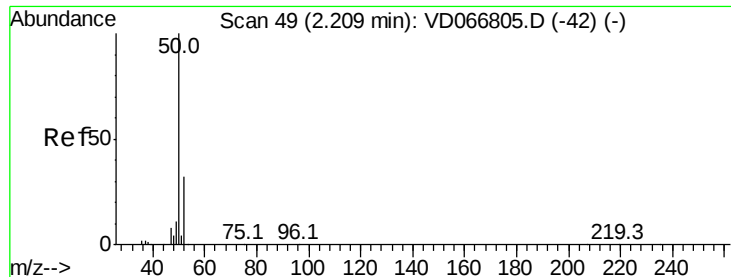
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 42.208 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

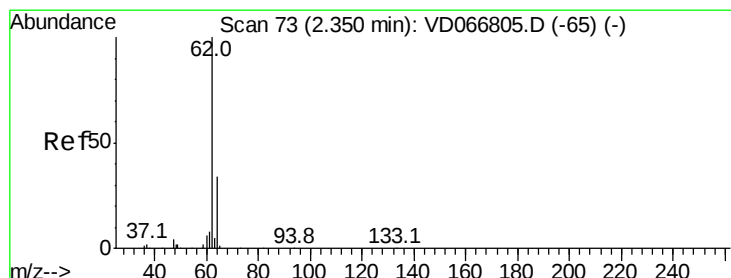
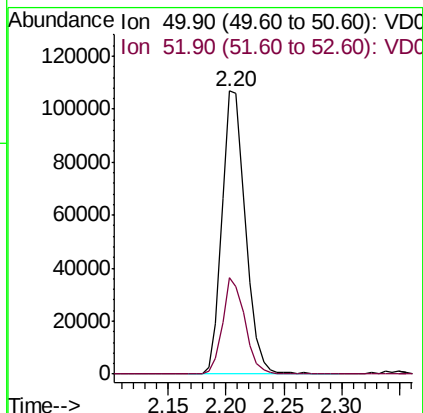
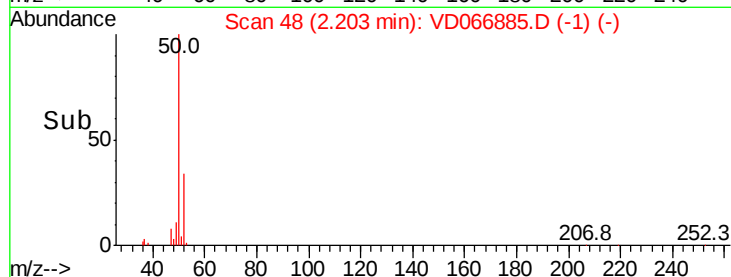
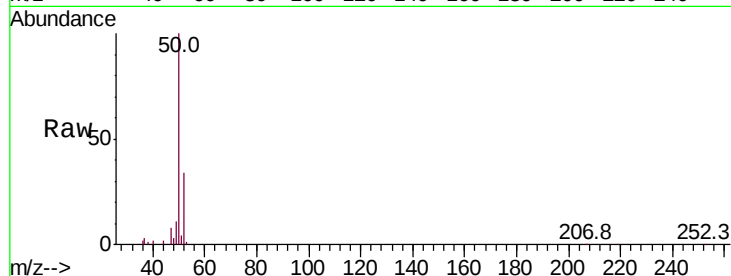
VSTDCCC050EC

Tot Ion: 50 Resp: 150347

Ion Ratio Lower Upper

50 100

52 34.0 25.5 38.3



#4

Vinyl Chloride

Concen: 41.990 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066885.D

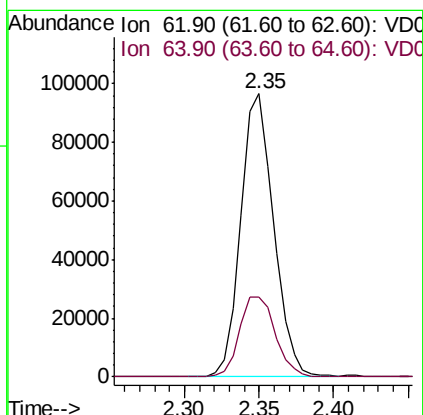
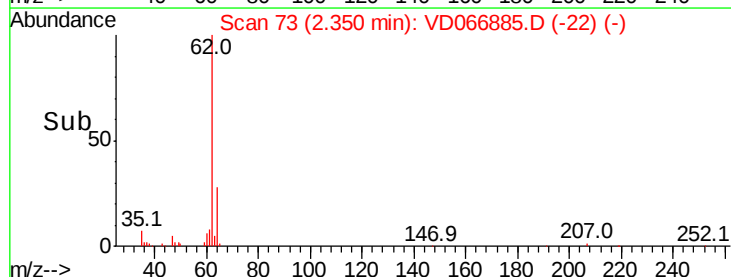
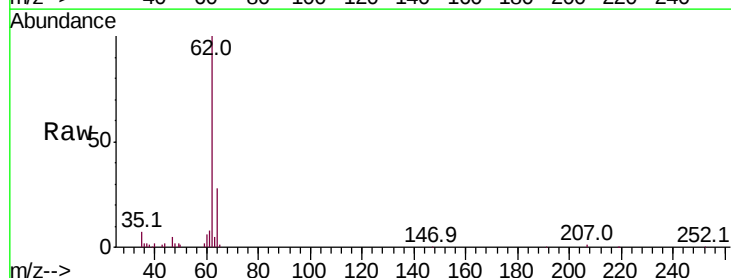
Acq: 25 Sep 2020 20:18

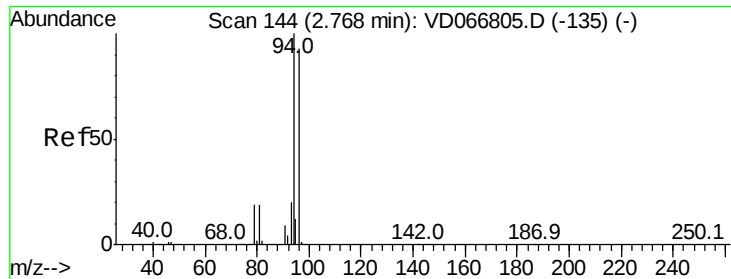
Tgt Ion: 62 Resp: 147768

Ion Ratio Lower Upper

62 100

64 28.3 27.0 40.4





#5

Bromomethane

Concen: 44.645 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

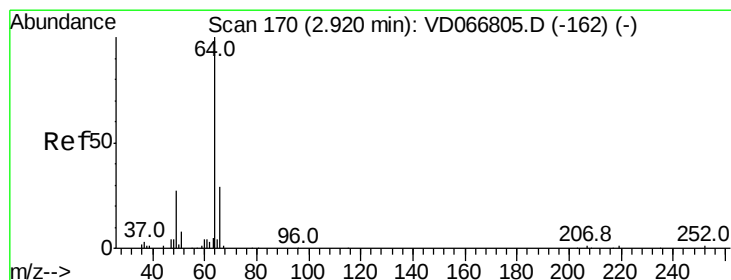
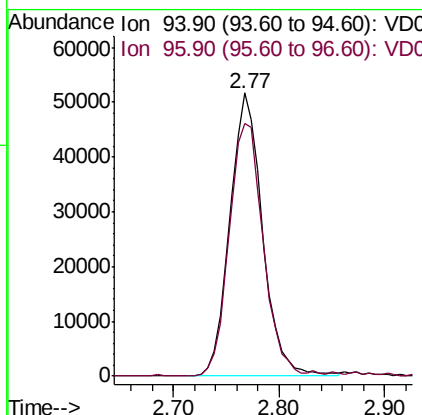
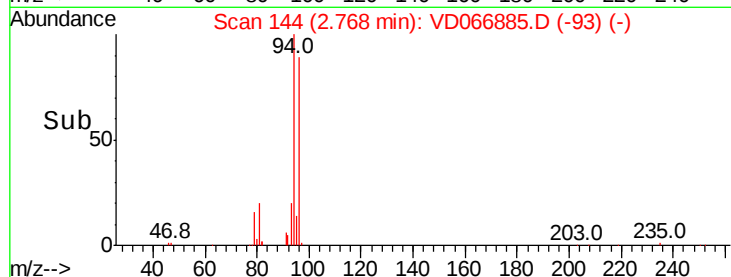
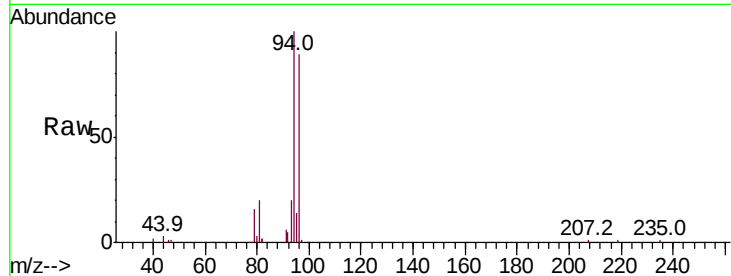
VSTDCCC050EC

Tot Ion: 94 Resp: 110429

Ion Ratio Lower Upper

94 100

96 89.4 74.3 111.5



#6

Chloroethane

Concen: 43.180 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066885.D

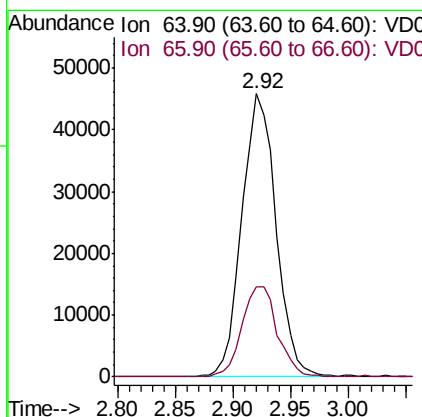
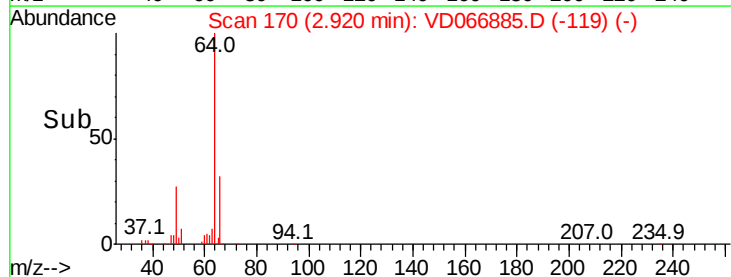
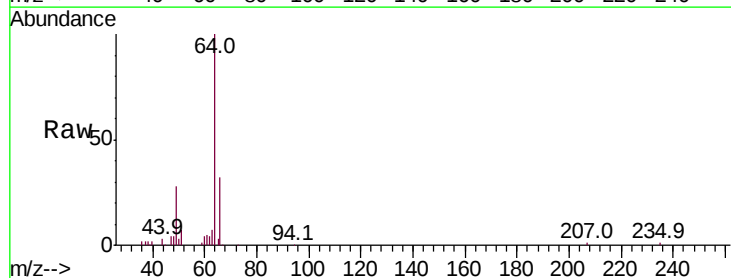
Acq: 25 Sep 2020 20:18

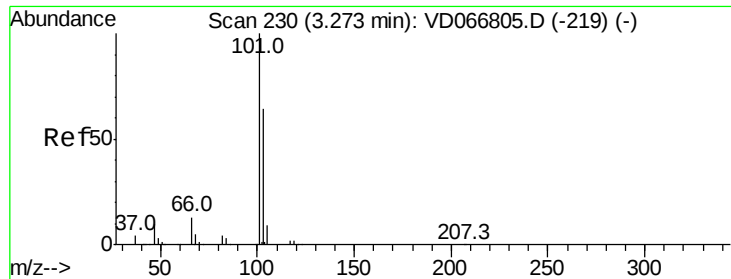
Tgt Ion: 64 Resp: 94364

Ion Ratio Lower Upper

64 100

66 31.9 23.3 34.9



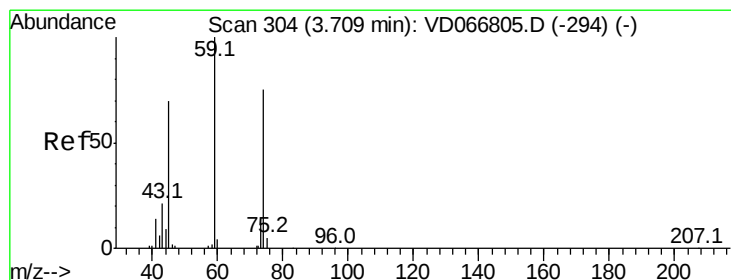
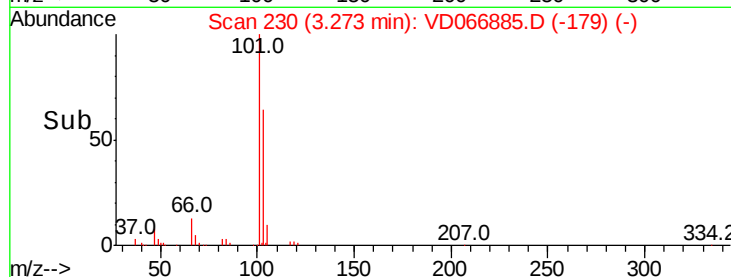
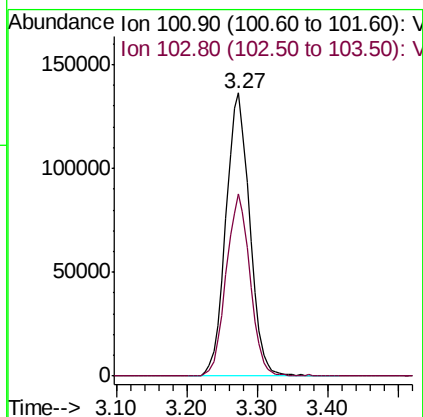
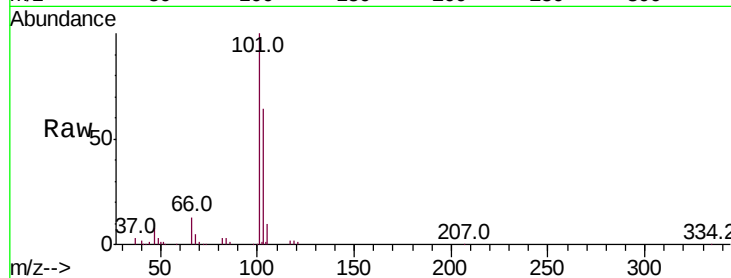


#7

Trichlorofluoromethane
 Concen: 44.190 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

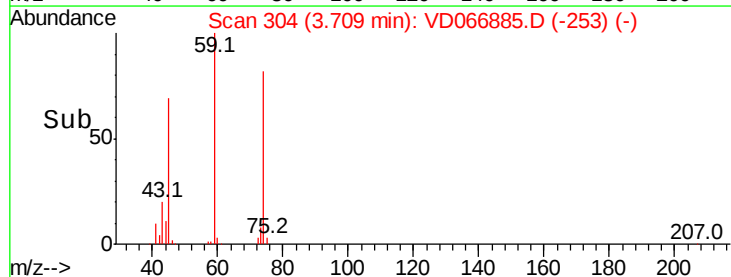
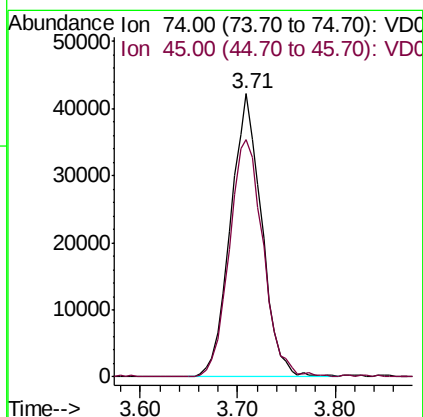
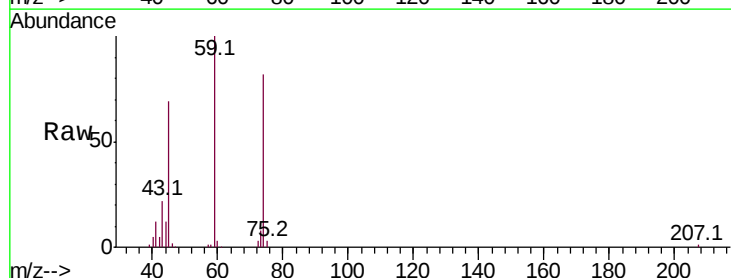
Tot Ion:101 Resp: 319378
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.0 76.6

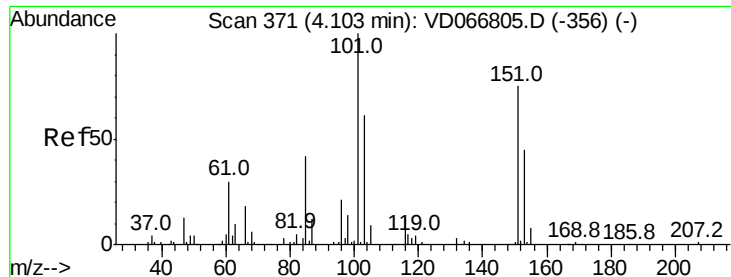


#8

Diethyl Ether
 Concen: 50.952 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Tgt Ion: 74 Resp: 93487
 Ion Ratio Lower Upper
 74 100
 45 91.0 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.237 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

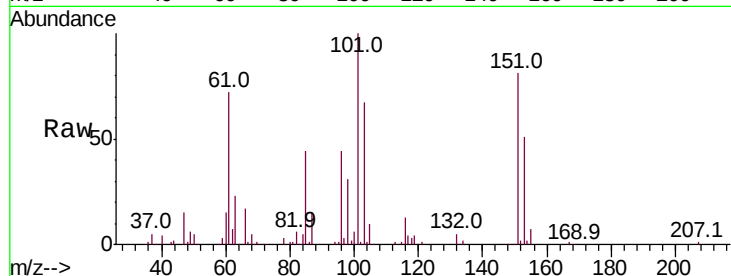
Tot Ion:101 Resp: 189579

Ion Ratio Lower Upper

101 100

85 42.3 35.4 53.2

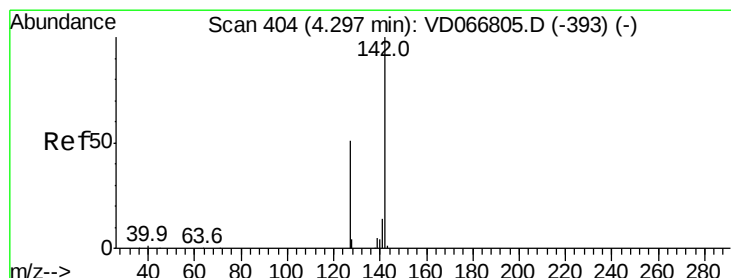
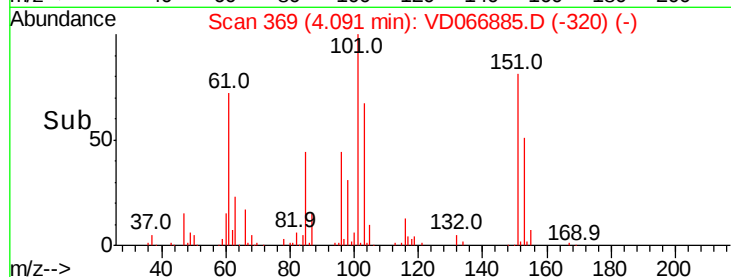
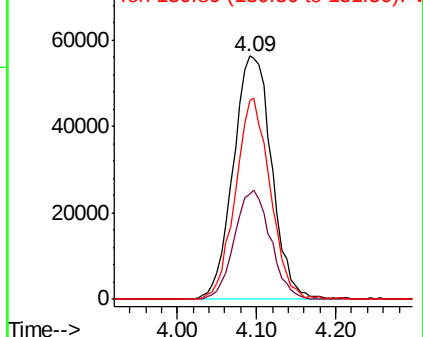
151 75.2 61.4 92.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.368 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

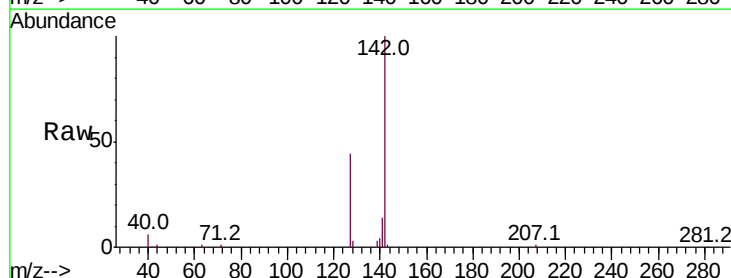
Tgt Ion:142 Resp: 182568

Ion Ratio Lower Upper

142 100

127 47.3 39.4 59.0

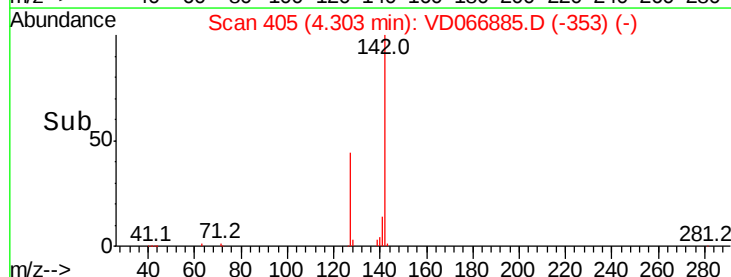
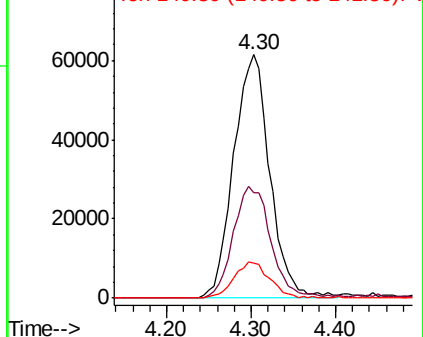
141 14.7 12.1 18.1

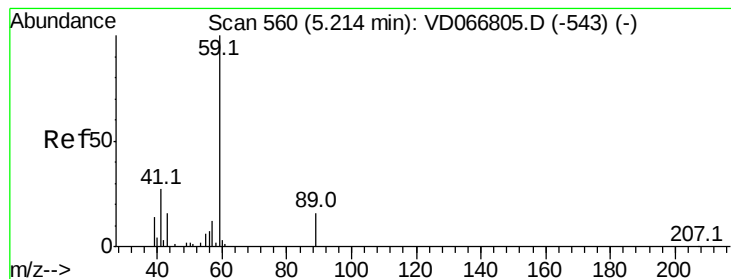


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



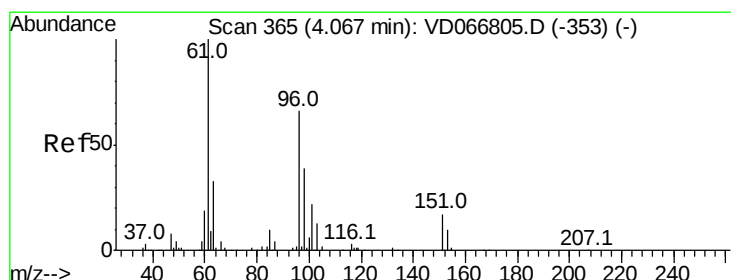
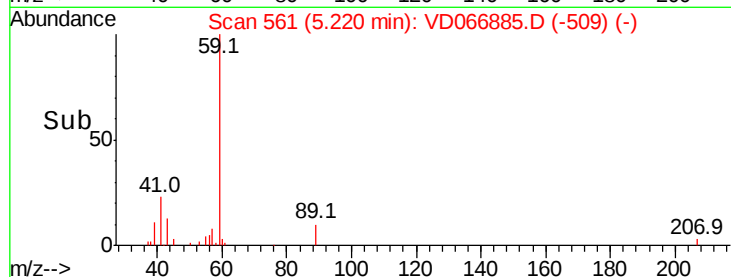
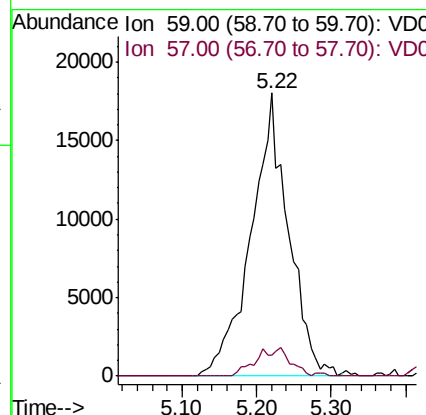
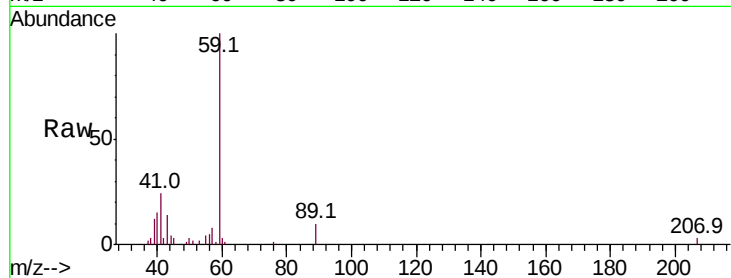


#11

Tert butyl alcohol
Concen: 280.476 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

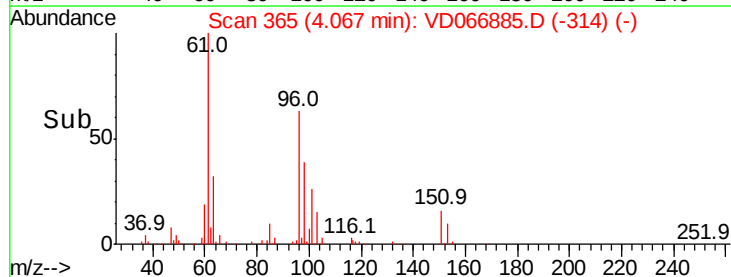
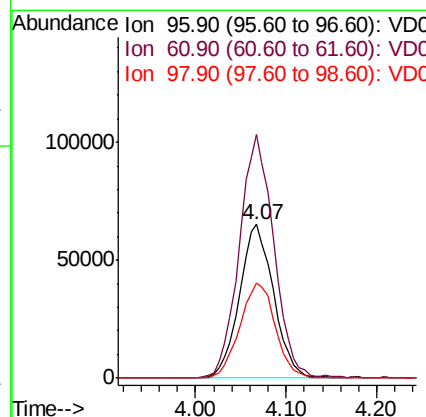
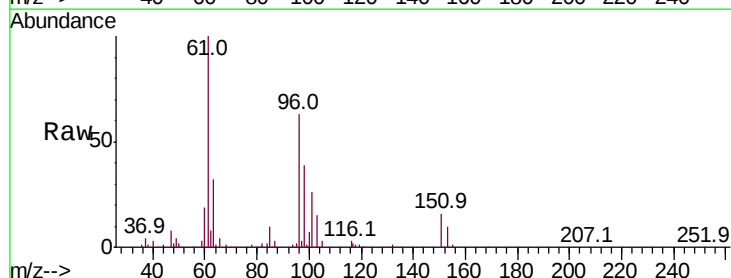
Tot Ion: 59 Resp: 62959
Ion Ratio Lower Upper
59 100
57 4.8 8.3 12.5#

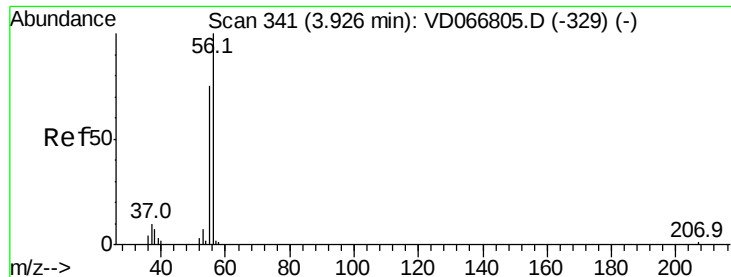


#12

1,1-Dichloroethene
Concen: 45.241 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Tgt Ion: 96 Resp: 171751
Ion Ratio Lower Upper
96 100
61 158.2 120.8 181.2
98 62.2 47.7 71.5





#13

Acrolein

Concen: 311.341 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

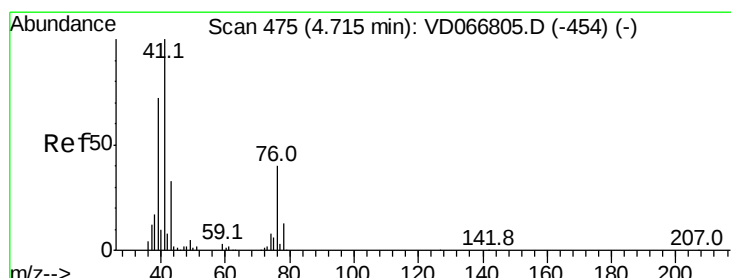
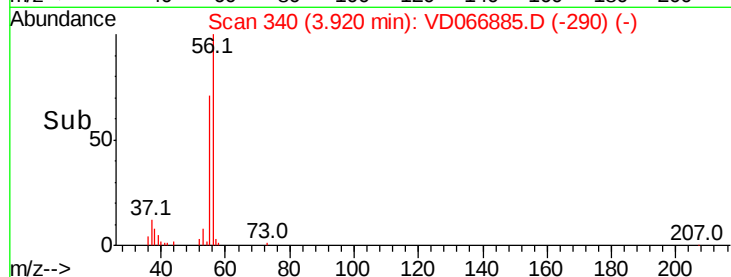
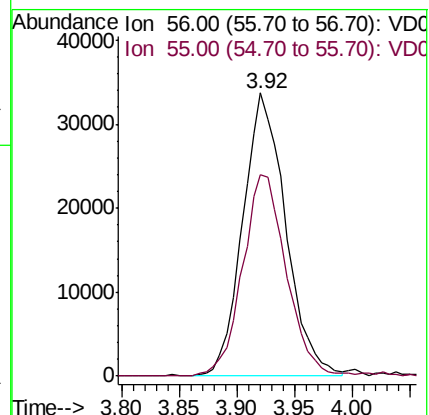
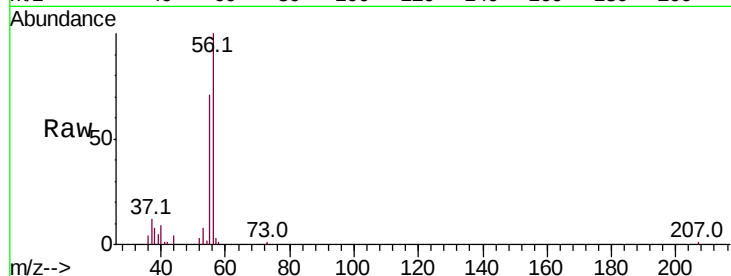
VSTDCCC050EC

Tot Ion: 56 Resp: 87152

Ion Ratio Lower Upper

56 100

55 72.6 60.3 90.5



#14

Allyl chloride

Concen: 47.431 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

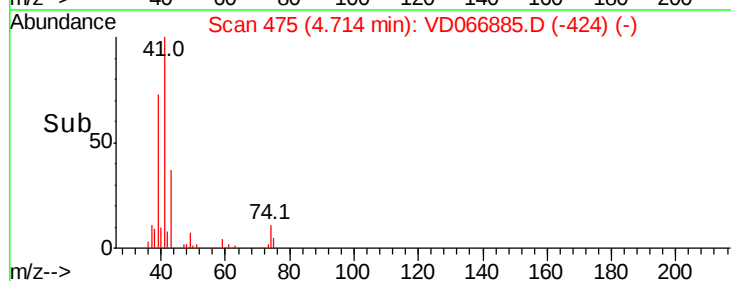
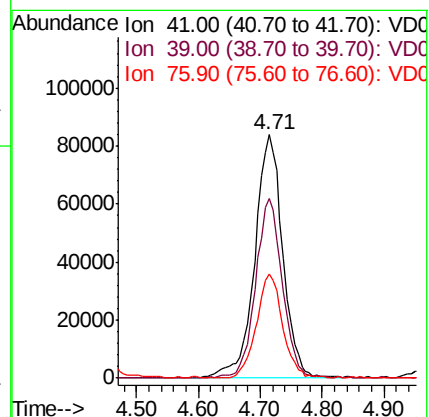
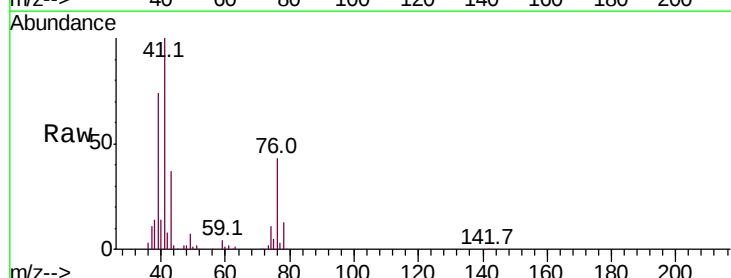
Tgt Ion: 41 Resp: 264412

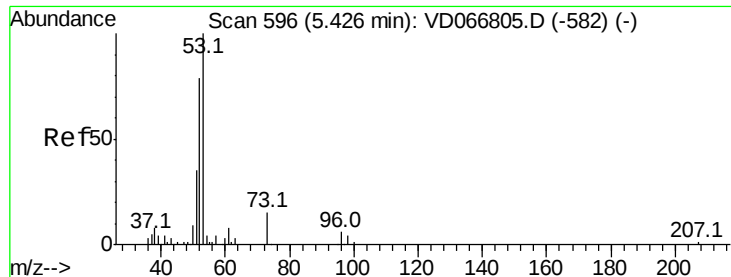
Ion Ratio Lower Upper

41 100

39 70.5 57.8 86.8

76 39.9 30.9 46.3





#15

Acrylonitrile

Concen: 255.631 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

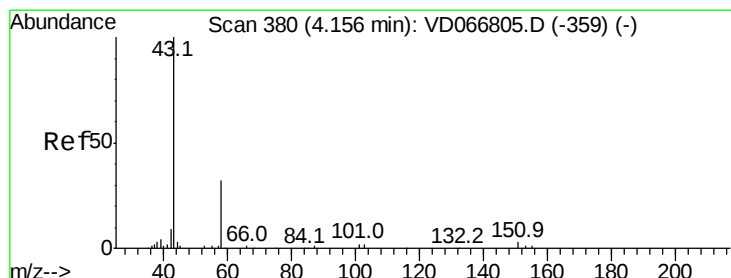
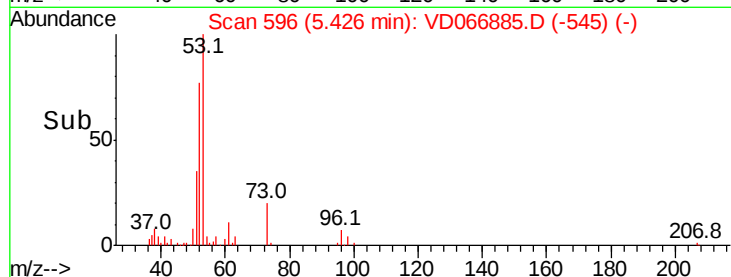
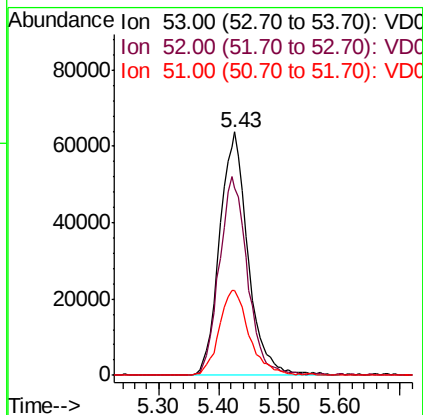
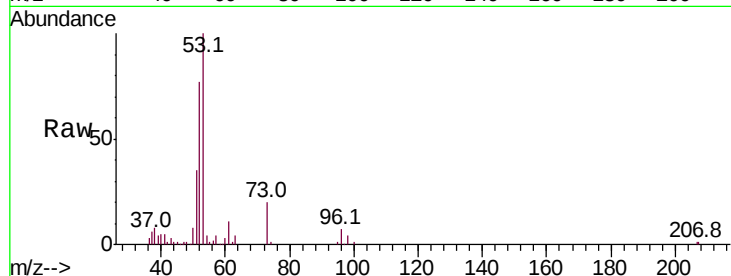
Tot Ion: 53 Resp: 207857

Ion Ratio Lower Upper

53 100

52 80.5 65.2 97.8

51 36.9 30.6 46.0



#16

Acetone

Concen: 202.959 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066885.D

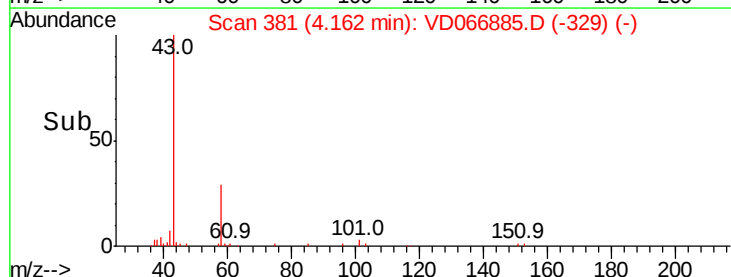
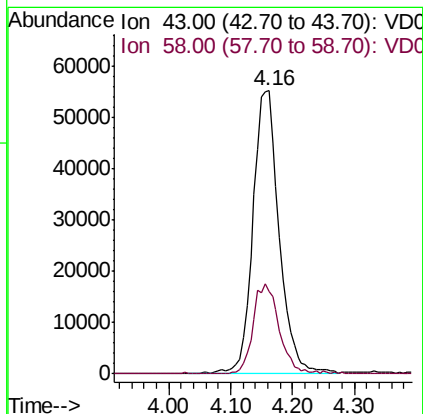
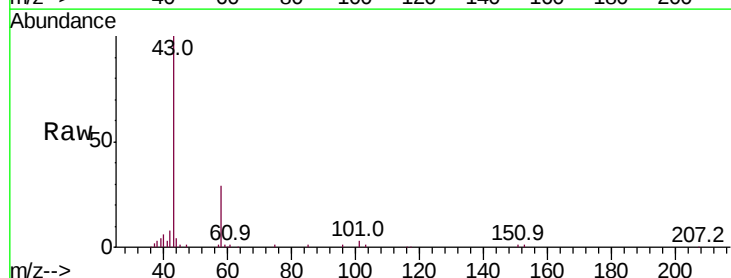
Acq: 25 Sep 2020 20:18

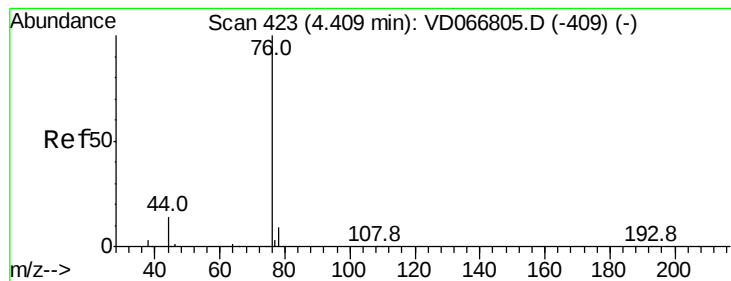
Tgt Ion: 43 Resp: 163374

Ion Ratio Lower Upper

43 100

58 29.2 25.6 38.4





#17

Carbon Disulfide

Concen: 44.546 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

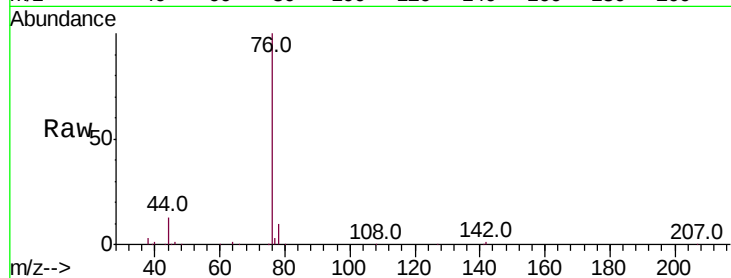
VSTDCCC050EC

Tot Ion: 76 Resp: 517019

Ion Ratio Lower Upper

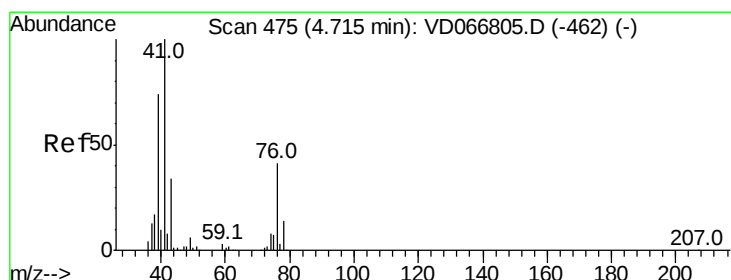
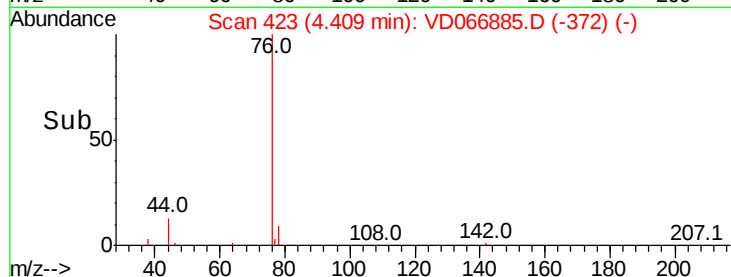
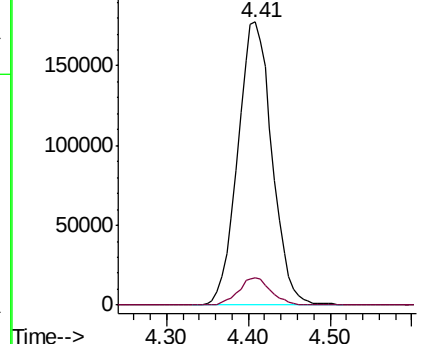
76 100

78 9.7 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 55.896 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066885.D

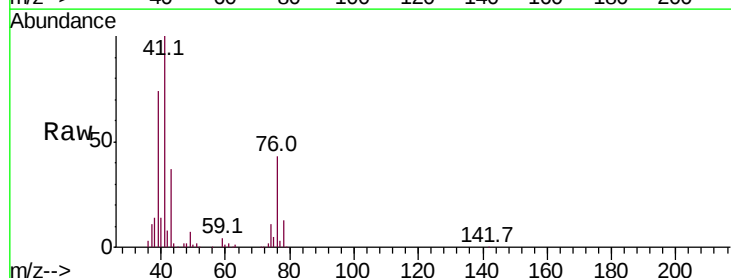
Acq: 25 Sep 2020 20:18

Tgt Ion: 43 Resp: 99624

Ion Ratio Lower Upper

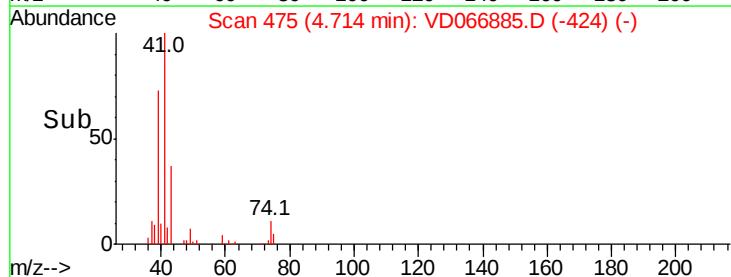
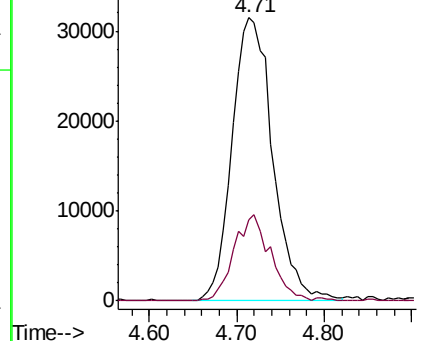
43 100

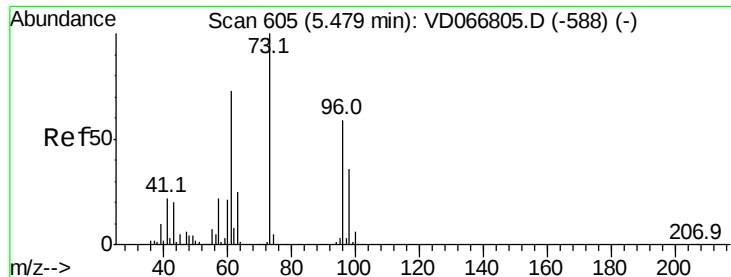
74 27.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



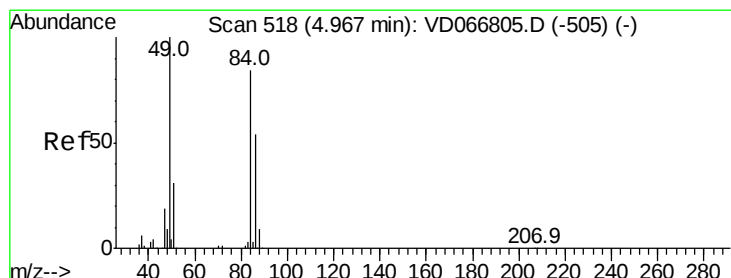
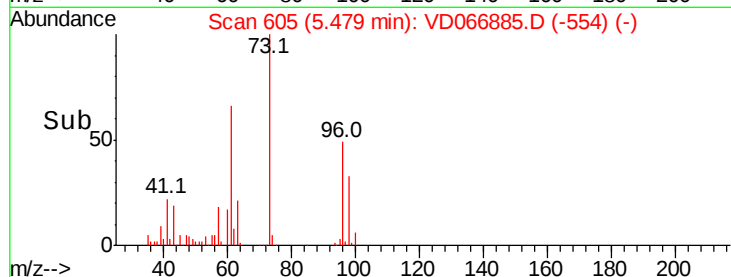
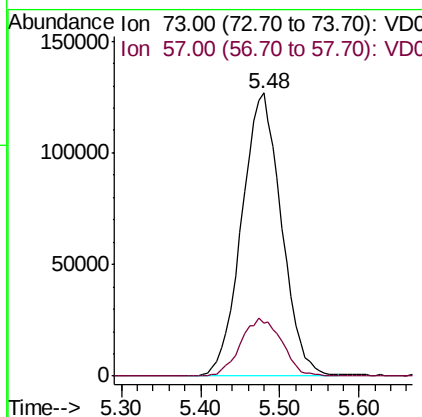
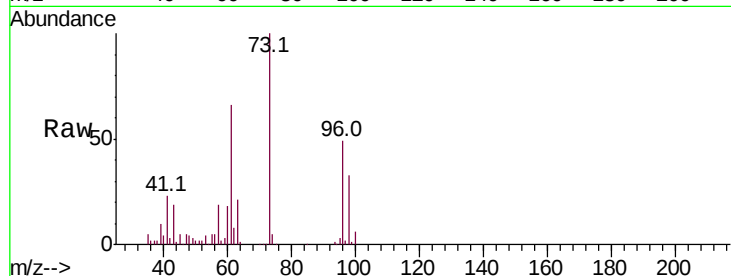


#19

Methyl tert-butyl Ether
 Concen: 53.580 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

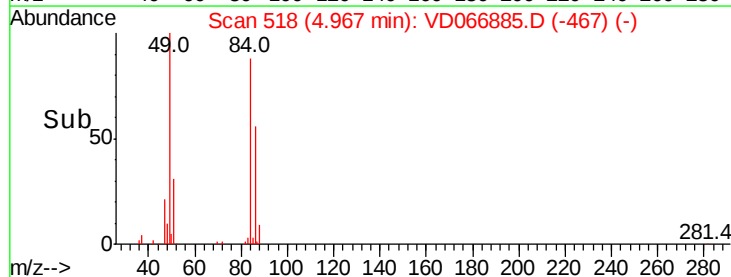
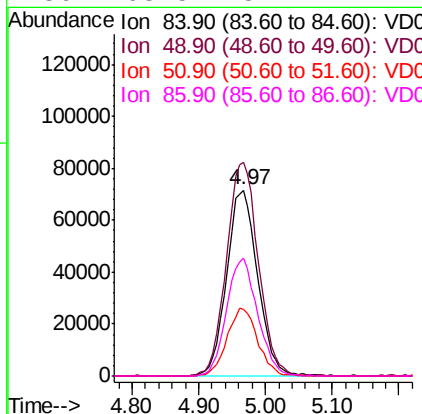
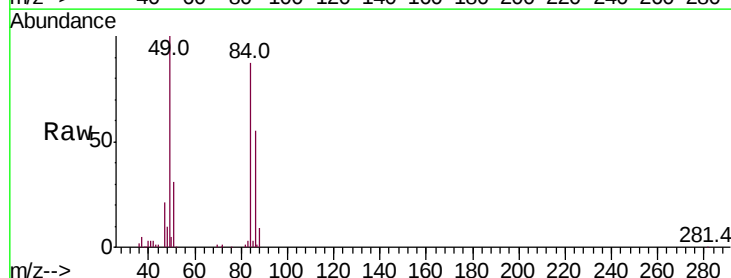
Tot Ion: 73 Resp: 441736
 Ion Ratio Lower Upper
 73 100
 57 18.6 17.4 26.2

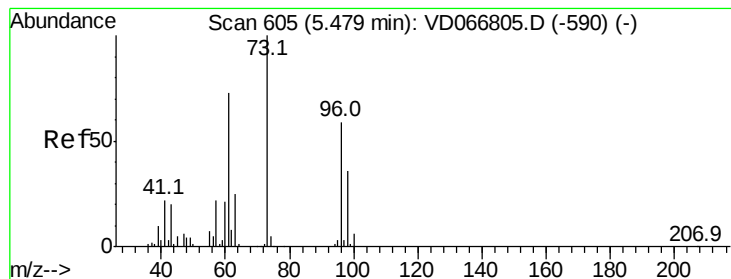


#20

Methylene Chloride
 Concen: 54.082 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Tgt Ion: 84 Resp: 232885
 Ion Ratio Lower Upper
 84 100
 49 114.8 95.4 143.2
 51 35.7 29.7 44.5
 86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 47.820 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

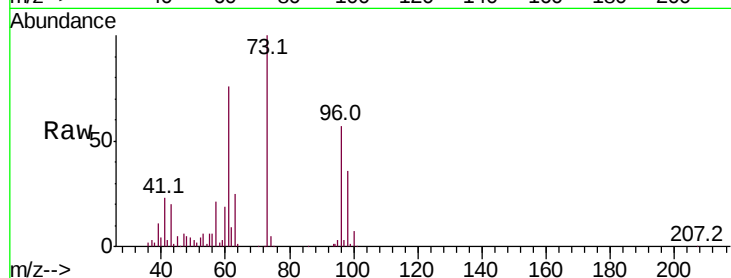
Tot Ion: 96 Resp: 210207

Ion Ratio Lower Upper

96 100

61 133.3 98.9 148.3

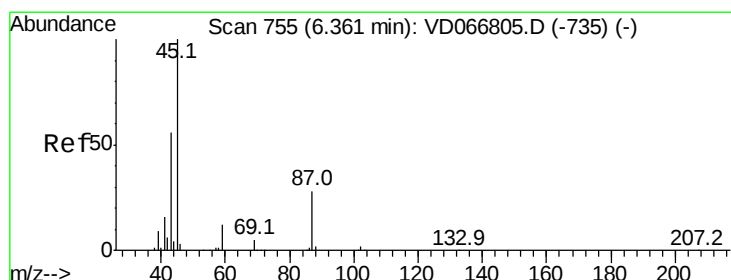
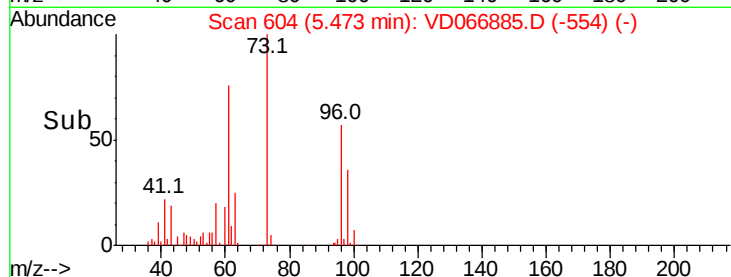
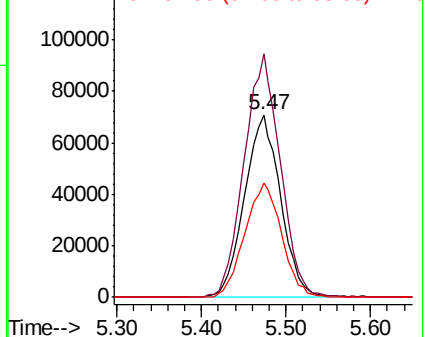
98 62.4 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 52.329 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Tgt Ion: 45 Resp: 599789

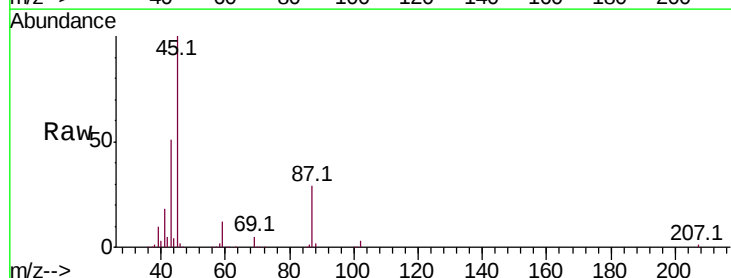
Ion Ratio Lower Upper

45 100

43 50.8 44.5 66.7

87 29.2 22.9 34.3

59 12.0 9.4 14.0

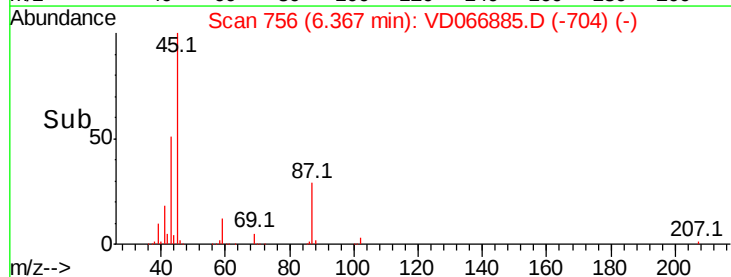
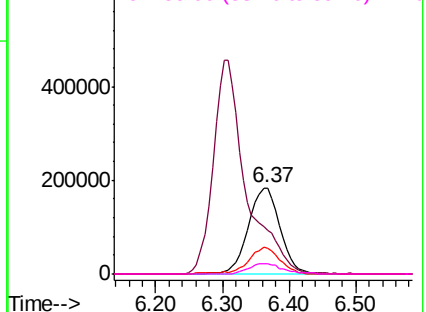


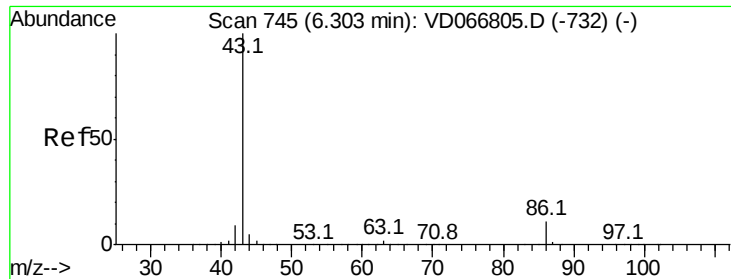
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

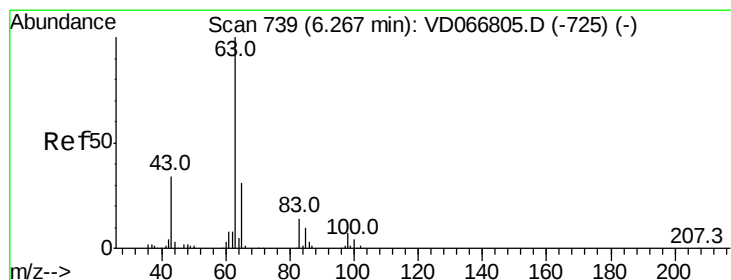
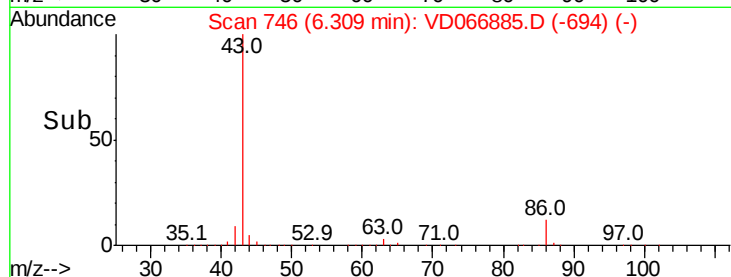
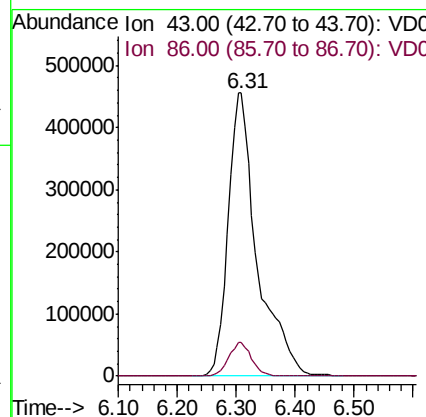
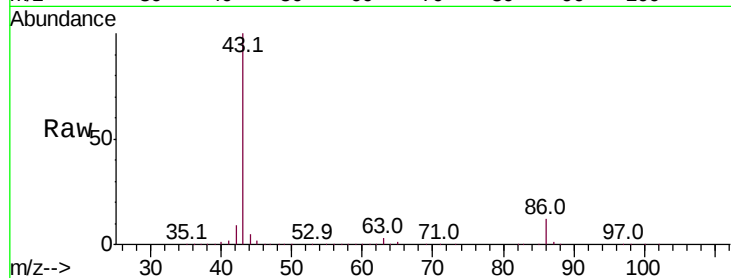




#23
 Vinyl Acetate
 Concen: 250.978 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

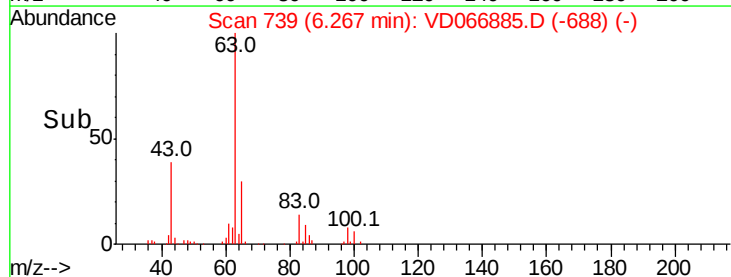
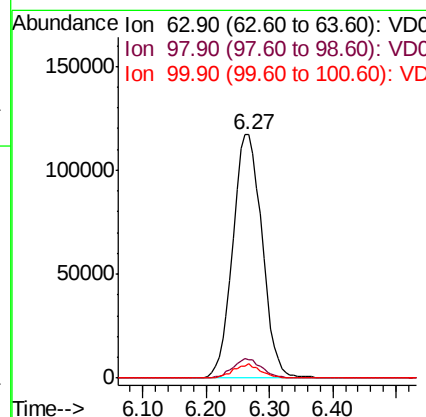
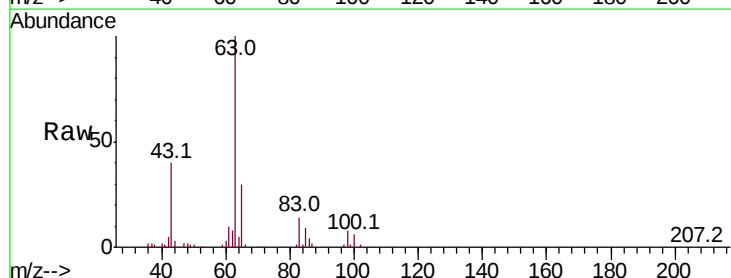
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

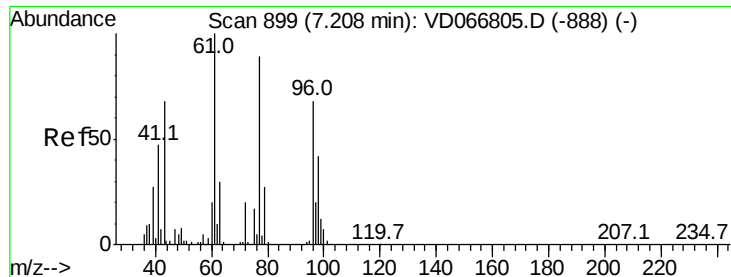
Tot Ion: 43 Resp: 1561914
 Ion Ratio Lower Upper
 43 100
 86 11.9 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 48.607 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Tgt Ion: 63 Resp: 372714
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.7 11.1
 100 5.9 1.8 5.5#





#25

2-Butanone

Concen: 253.255 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

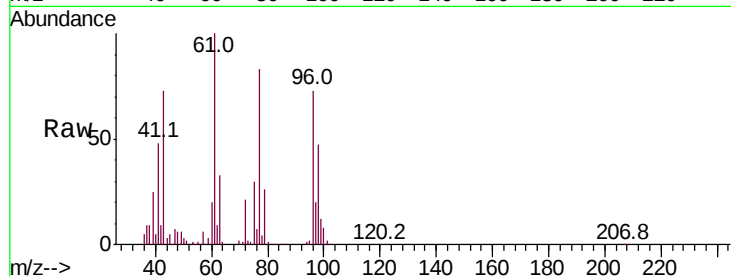
VSTDCCC050EC

Tot Ion: 43 Resp: 244985

Ion Ratio Lower Upper

43 100

72 28.3 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

100000

80000

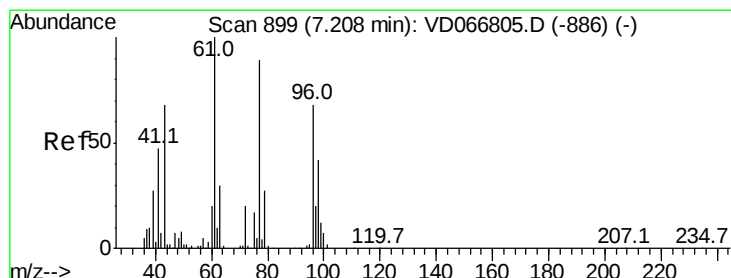
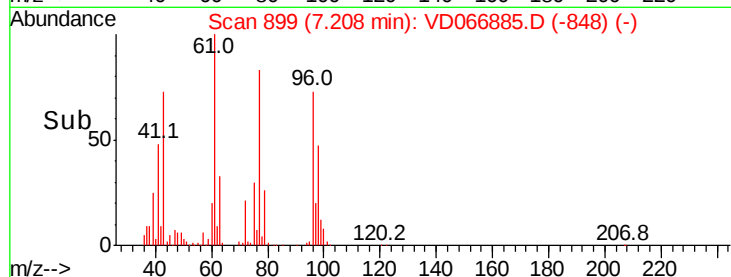
60000

40000

20000

0

Time--> 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 42.926 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066885.D

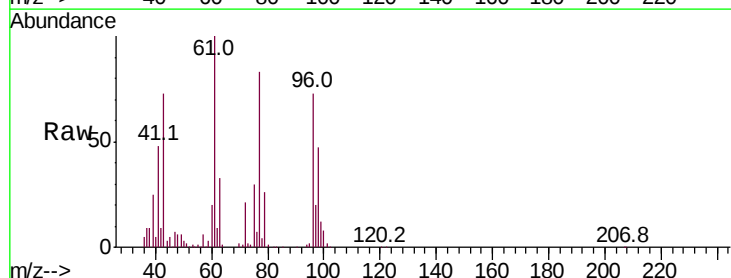
Acq: 25 Sep 2020 20:18

Tgt Ion: 77 Resp: 301685

Ion Ratio Lower Upper

77 100

97 22.3 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

120000

100000

80000

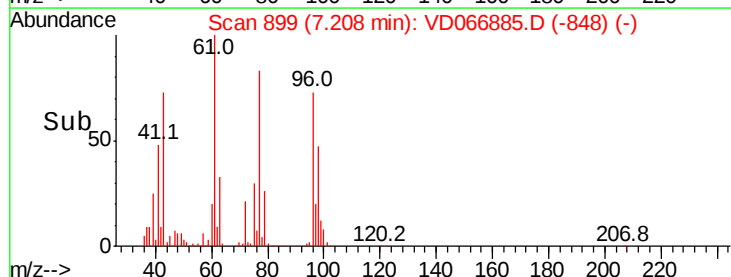
60000

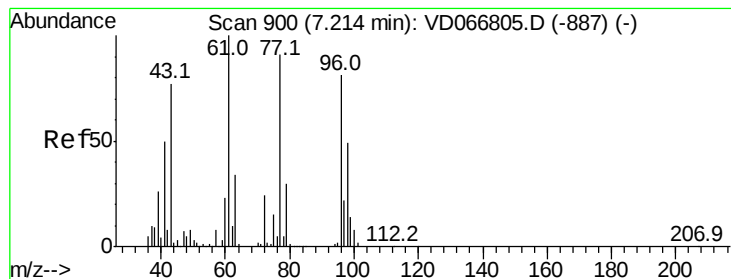
40000

20000

0

Time--> 7.10 7.20 7.30





#27

cis-1,2-Dichloroethene

Concen: 51.750 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

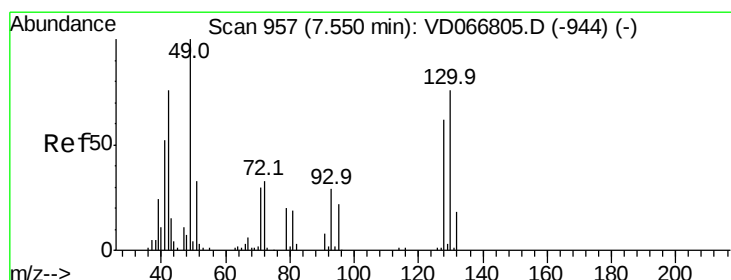
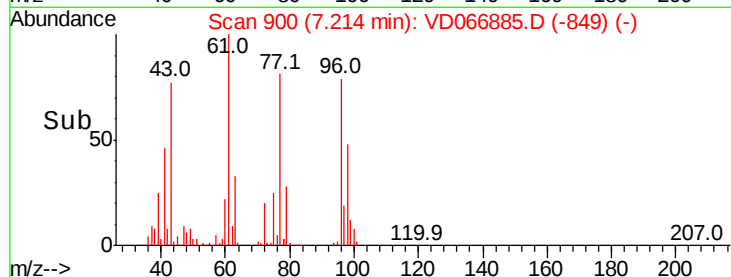
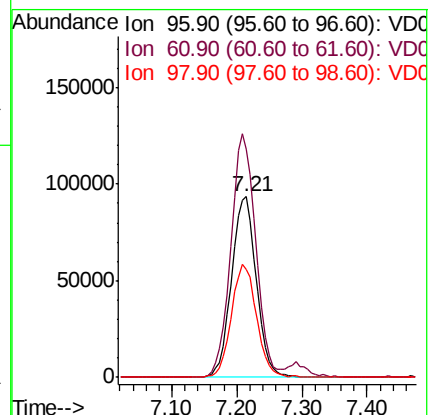
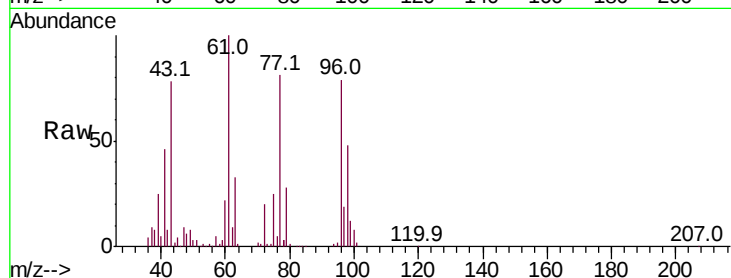
Tot Ion: 96 Resp: 247165

Ion Ratio Lower Upper

96 100

61 134.9 0.0 283.8

98 63.3 0.0 128.4



#28

Bromochloromethane

Concen: 53.752 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

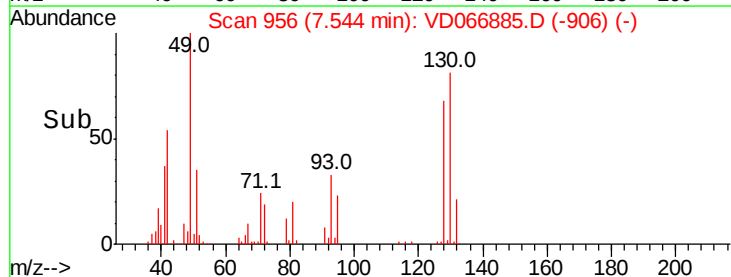
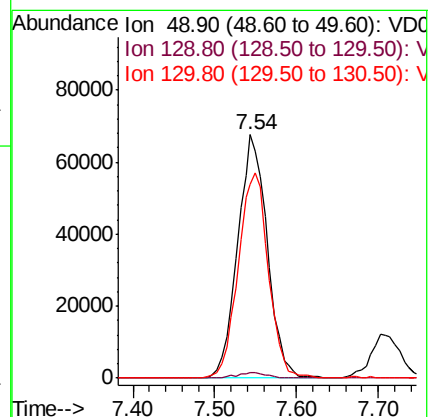
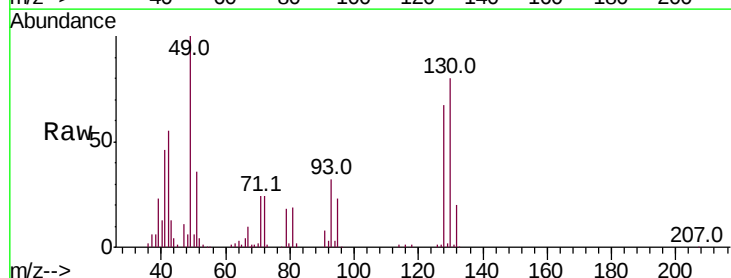
Tgt Ion: 49 Resp: 170275

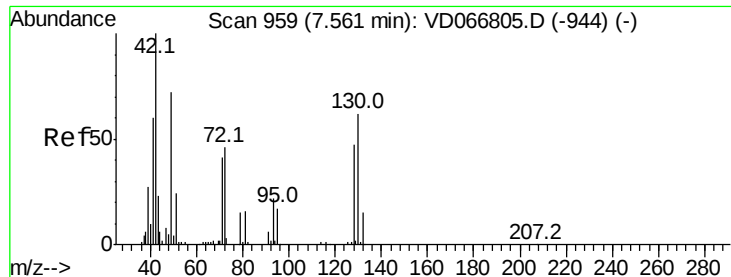
Ion Ratio Lower Upper

49 100

129 2.3 0.0 2.0#

130 85.7 65.9 98.9





#29

Tetrahydrofuran

Concen: 268.596 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

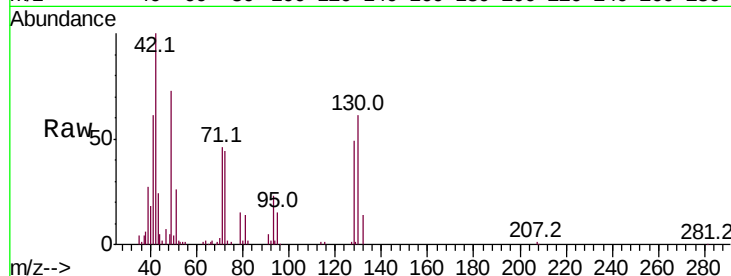
Tot Ion: 42 Resp: 166483

Ion Ratio Lower Upper

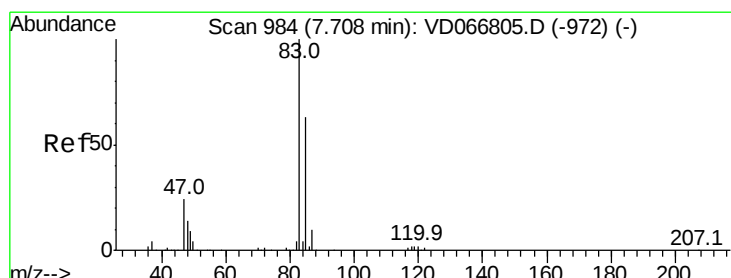
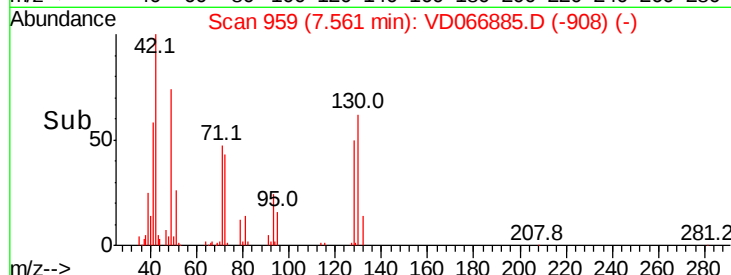
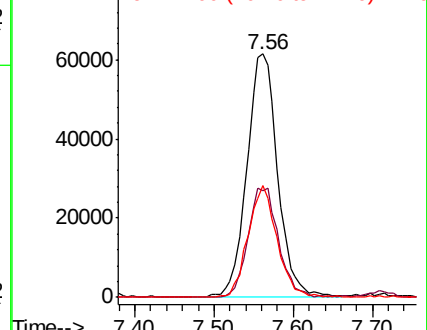
42 100

72 44.8 36.2 54.4

71 43.1 32.4 48.6



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: 49.219 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD066885.D

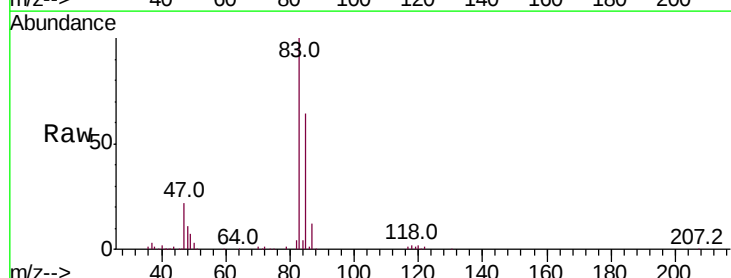
Acq: 25 Sep 2020 20:18

Tgt Ion: 83 Resp: 406822

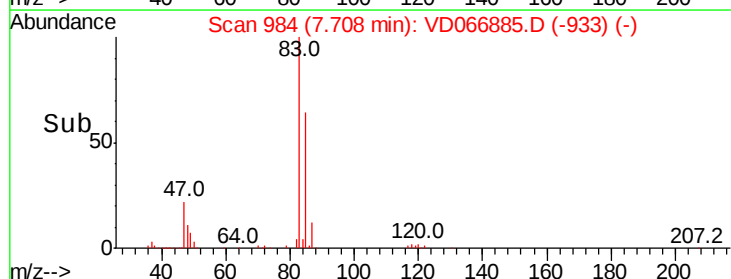
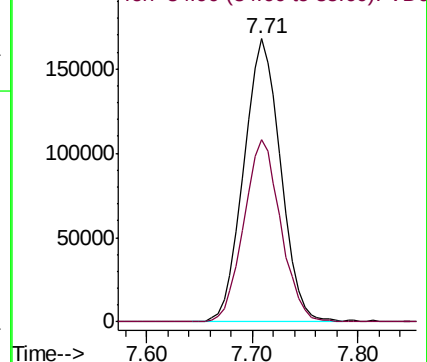
Ion Ratio Lower Upper

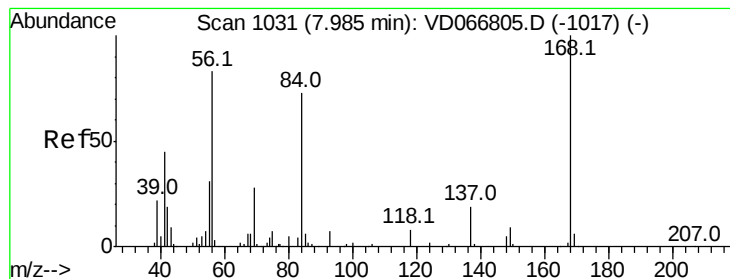
83 100

85 64.4 50.6 75.8



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





#31

Cyclohexane

Concen: 42.135 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

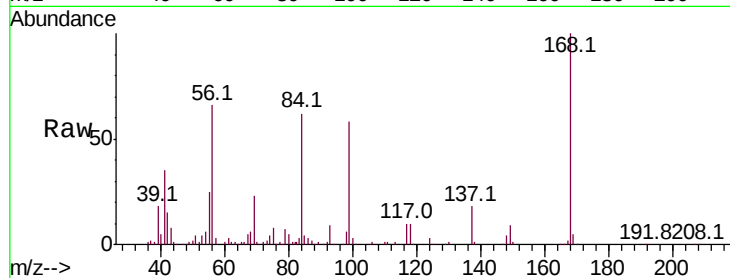
Tot Ion: 56 Resp: 290708

Ion Ratio Lower Upper

56 100

69 35.1 27.0 40.4

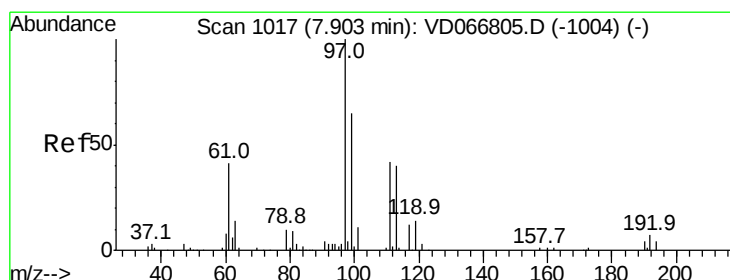
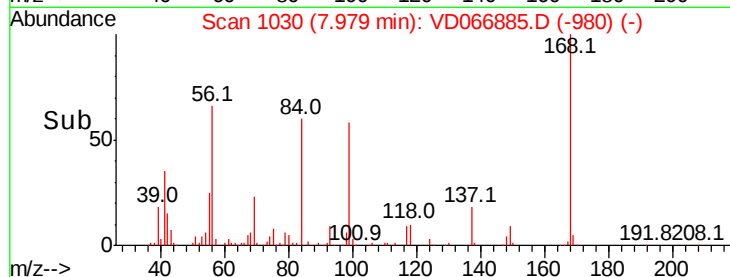
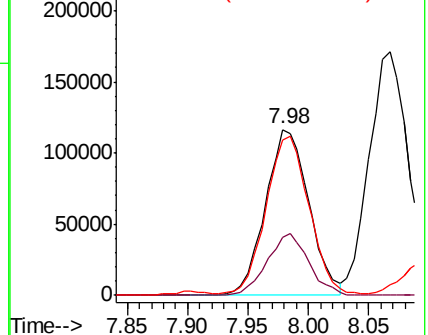
84 90.9 70.2 105.4



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: 46.927 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

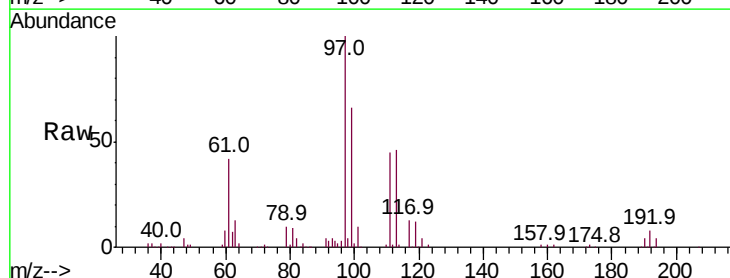
Tgt Ion: 97 Resp: 350881

Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

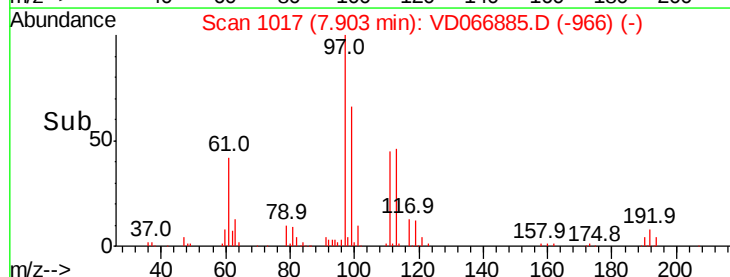
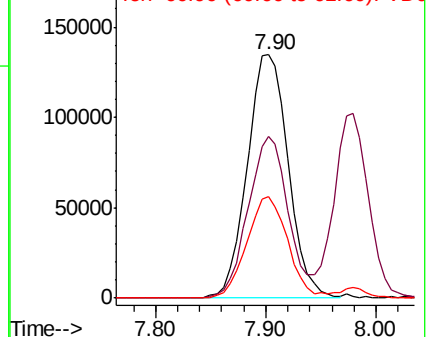
61 41.7 34.2 51.4

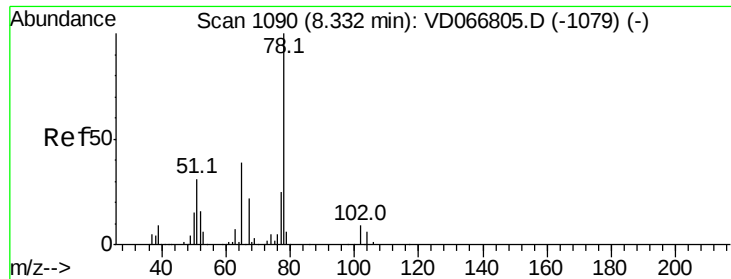


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.001 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

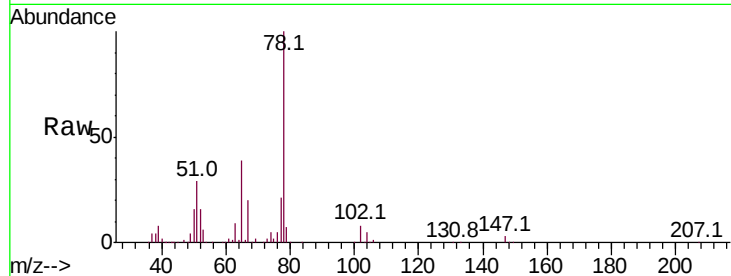
VSTDCCC050EC

Tot Ion: 65 Resp: 185938

Ion Ratio Lower Upper

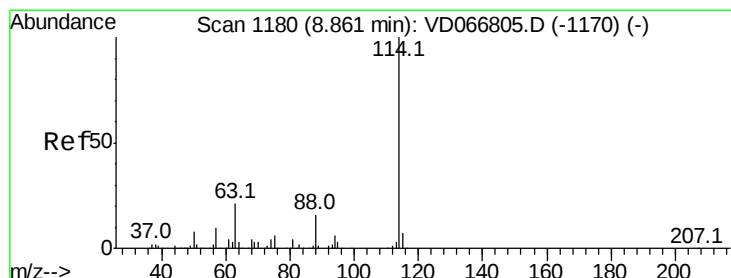
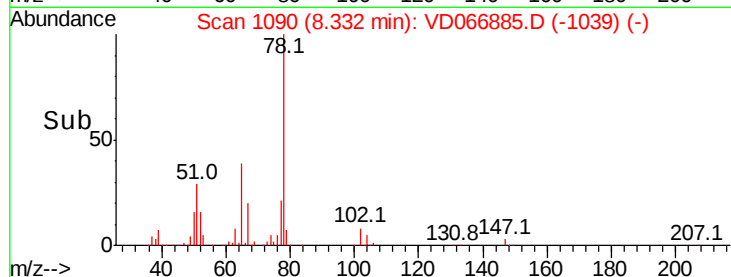
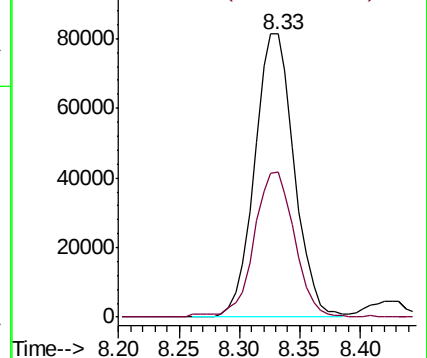
65 100

67 52.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

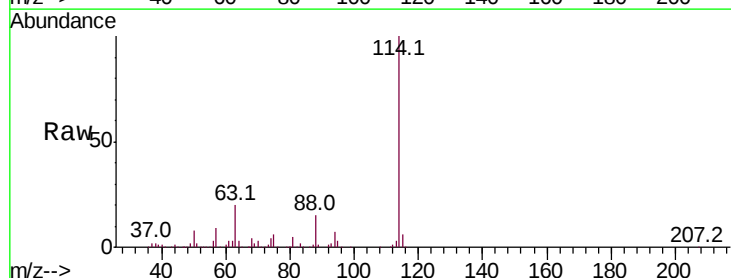
Tgt Ion: 114 Resp: 627184

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

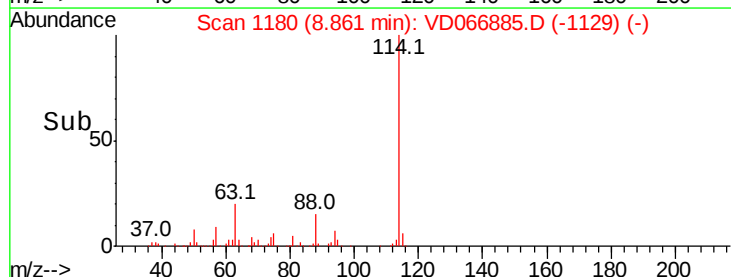
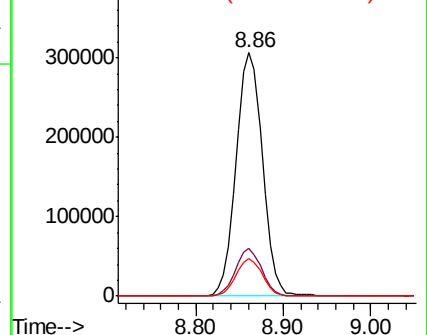
88 15.4 0.0 32.6

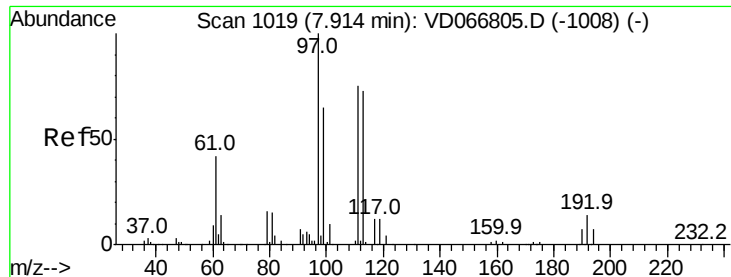


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

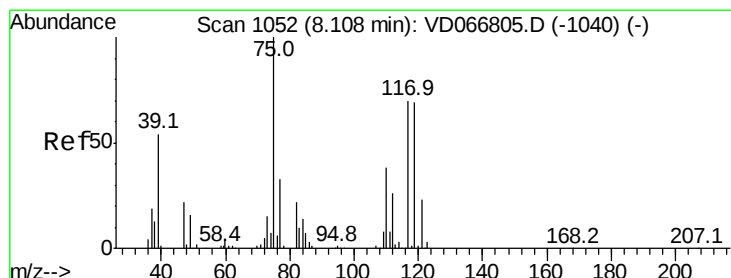
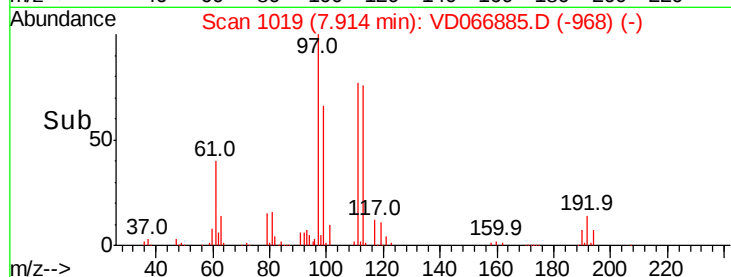
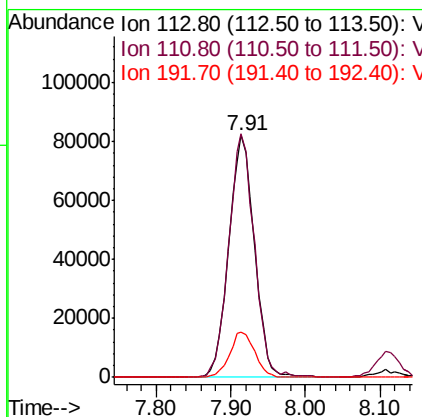
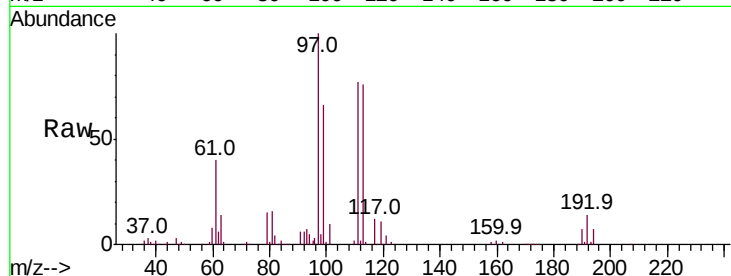




#35
Dibromofluoromethane
Concen: 49.058 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

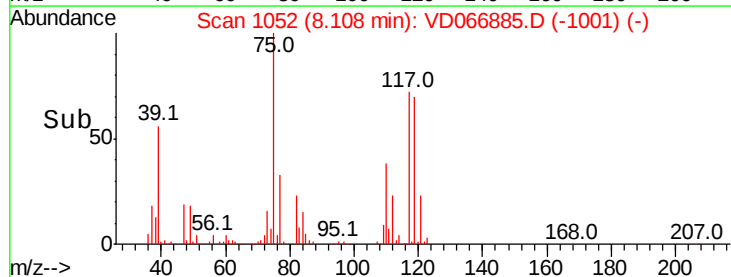
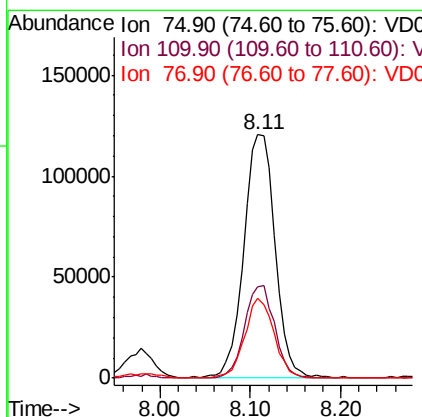
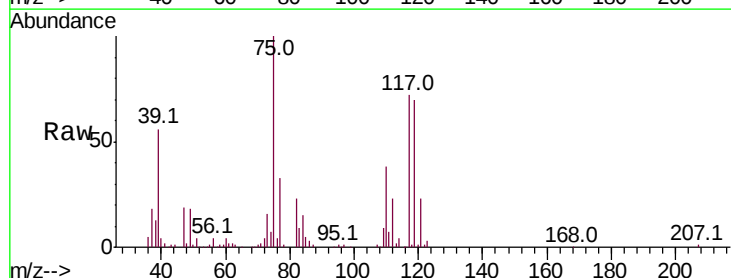
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

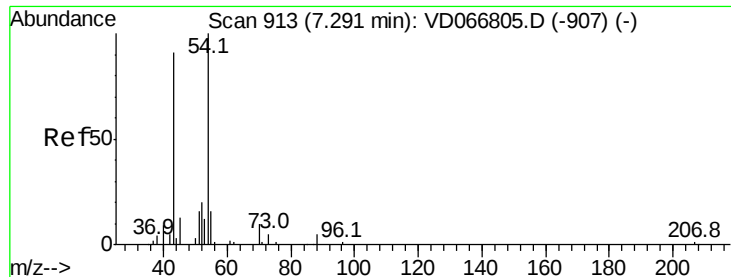
Tot Ion:113 Resp: 195748
Ion Ratio Lower Upper
113 100
111 100.7 81.8 122.8
192 18.4 14.4 21.6



#36
1,1-Dichloropropene
Concen: 46.389 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Tgt Ion: 75 Resp: 288643
Ion Ratio Lower Upper
75 100
110 36.6 17.9 53.8
77 30.9 25.0 37.6





#37

Ethyl Acetate

Concen: 53.852 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

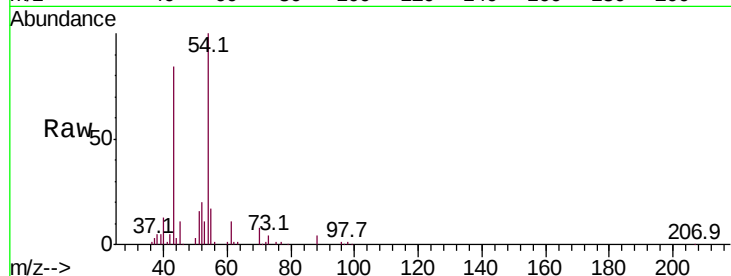
Tot Ion: 43 Resp: 121133

Ion Ratio Lower Upper

43 100

61 12.7 9.8 14.8

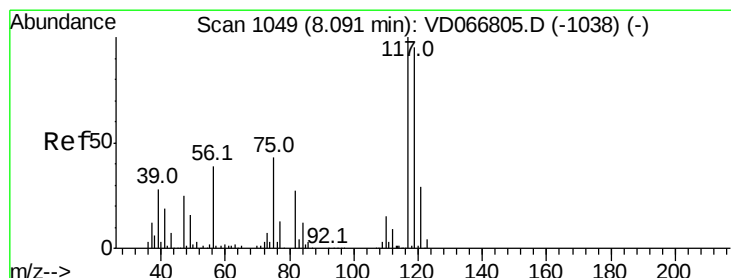
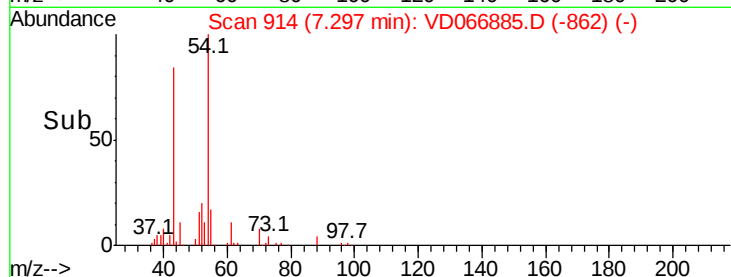
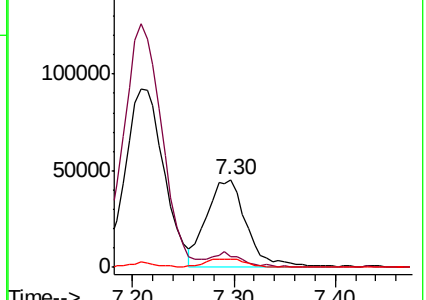
70 10.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 45.483 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

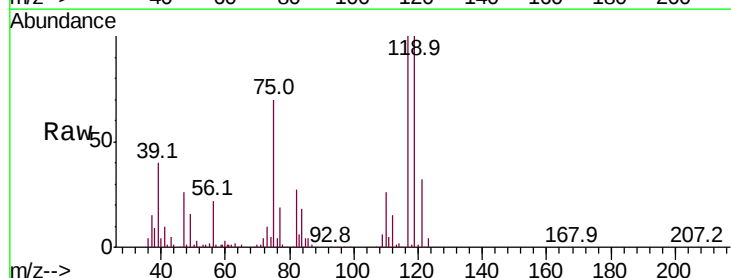
Tgt Ion: 117 Resp: 309405

Ion Ratio Lower Upper

117 100

119 100.0 75.8 113.8

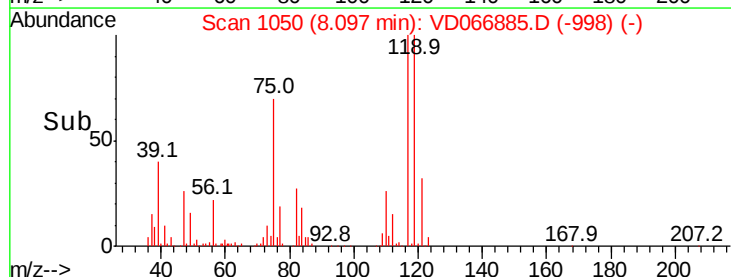
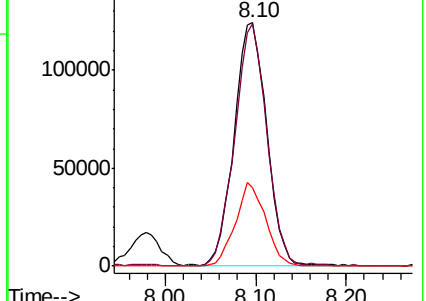
121 32.3 23.4 35.0

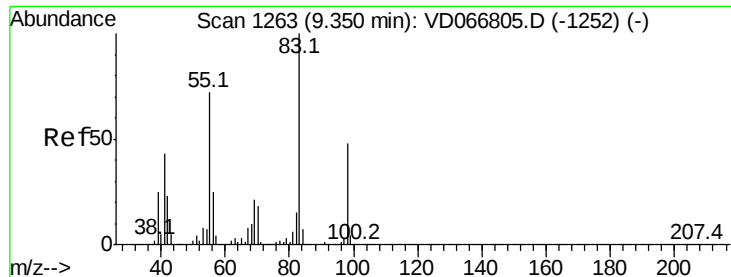


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

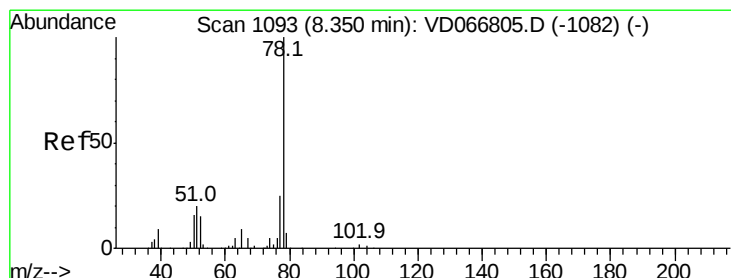
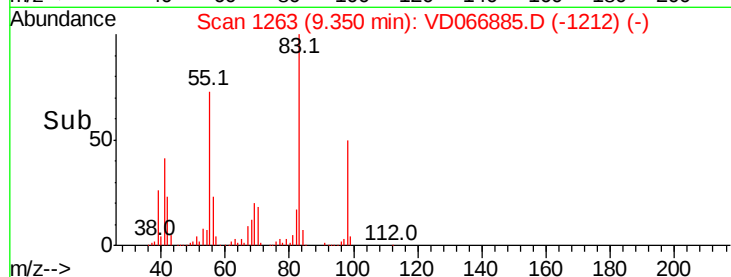
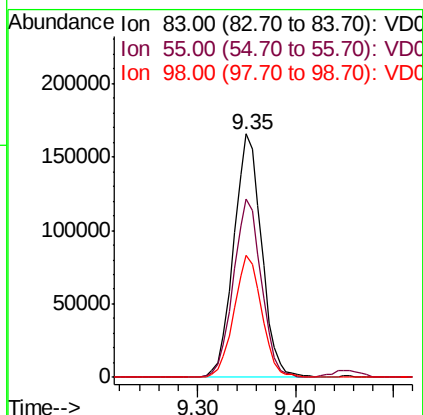
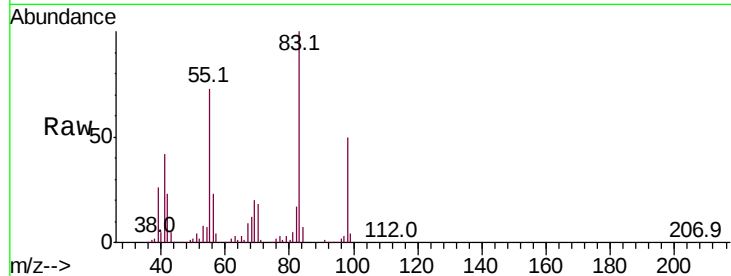




#39
Methvlcvclohexane
Concen: 46.147 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

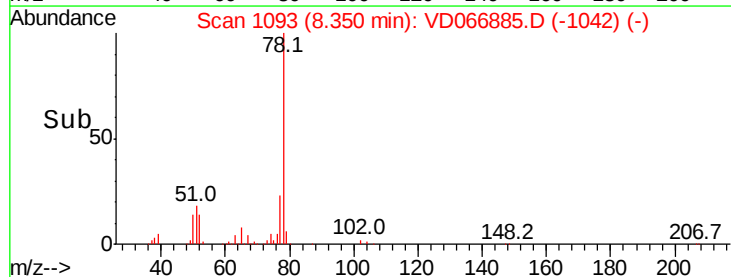
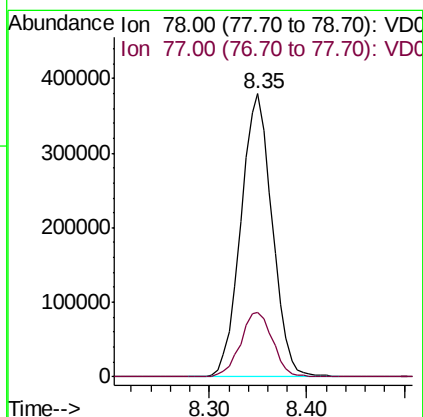
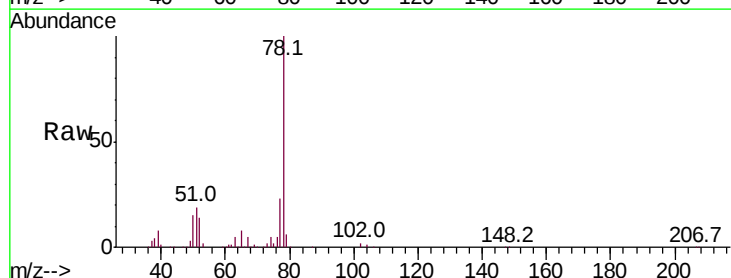
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

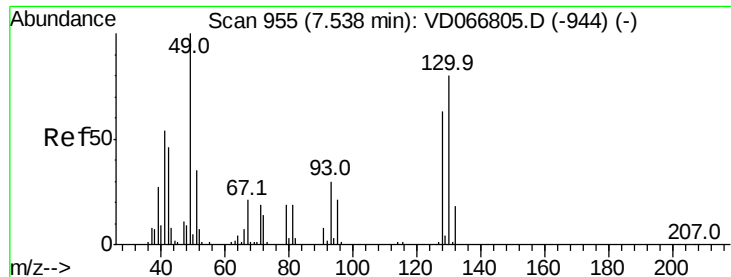
Tot Ion: 83 Resp: 329675
Ion Ratio Lower Upper
83 100
55 73.3 57.7 86.5
98 49.9 38.4 57.6



#40
Benzene
Concen: 48.901 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Tgt Ion: 78 Resp: 848004
Ion Ratio Lower Upper
78 100
77 23.0 19.9 29.9





#41

Methacrylonitrile

Concen: 52.214 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 72227

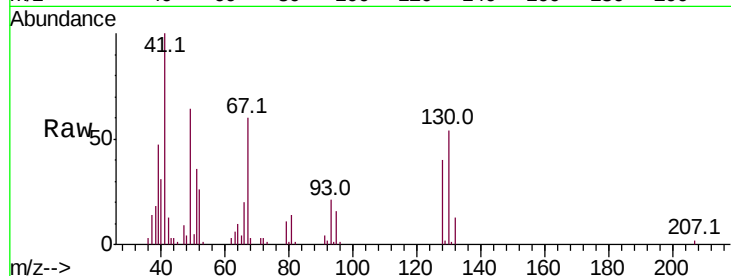
Ion Ratio Lower Upper

41 100

39 50.9 0.0 0.0#

67 70.1 0.0 0.0#

52 30.9 0.0 0.0#

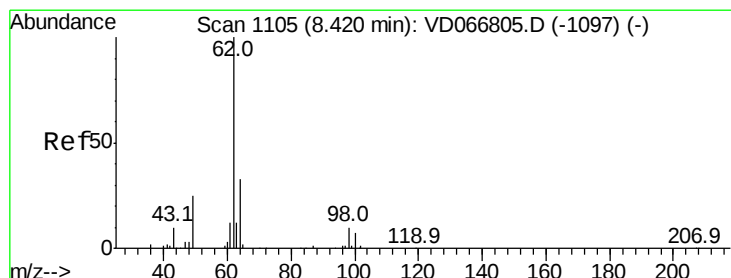
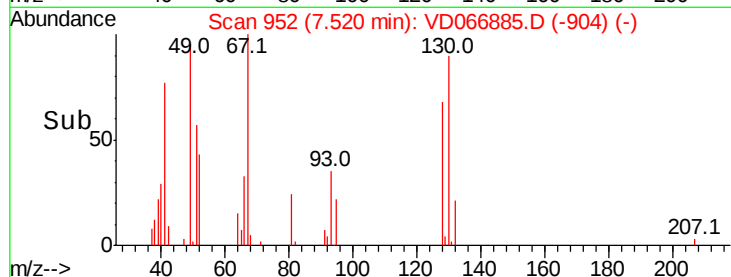
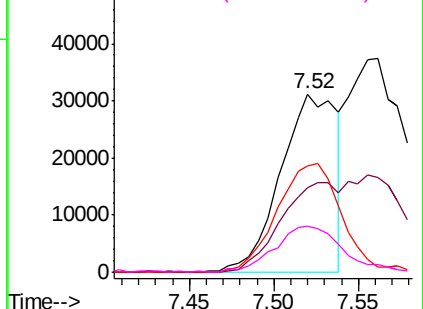


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 49.260 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066885.D

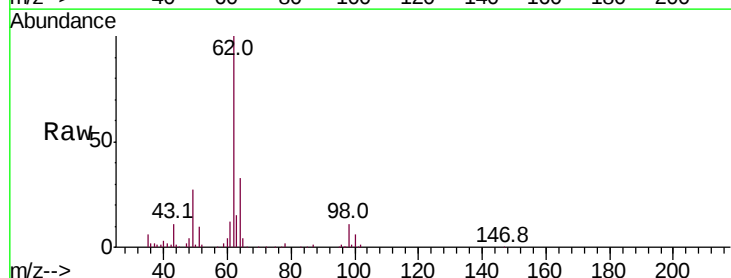
Acq: 25 Sep 2020 20:18

Tgt Ion: 62 Resp: 252531

Ion Ratio Lower Upper

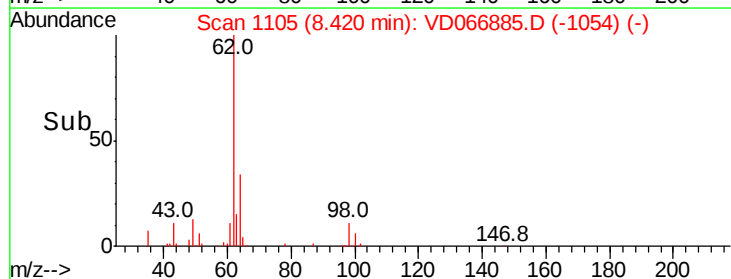
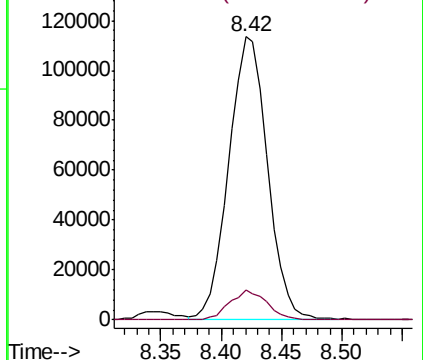
62 100

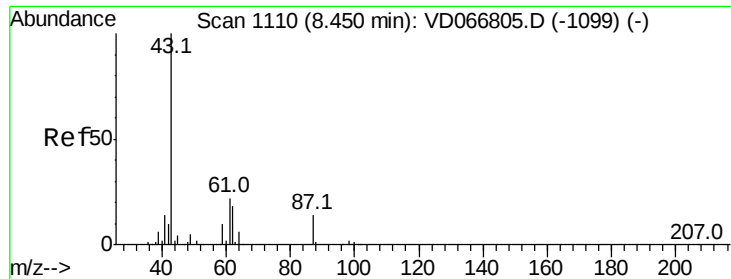
98 10.2 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.530 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

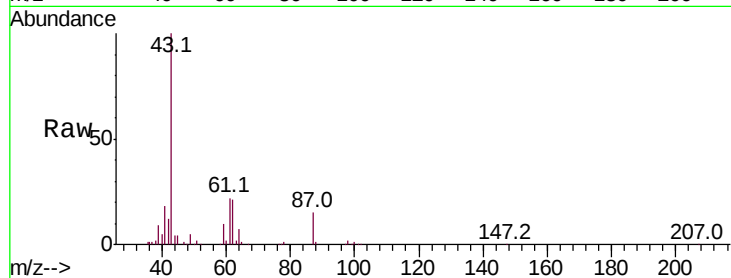
Tot Ion: 43 Resp: 219133

Ion Ratio Lower Upper

43 100

61 32.8 26.2 39.4

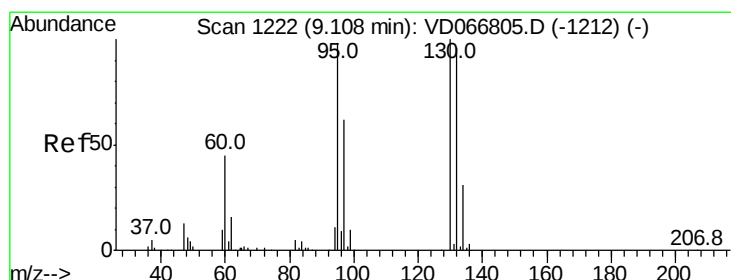
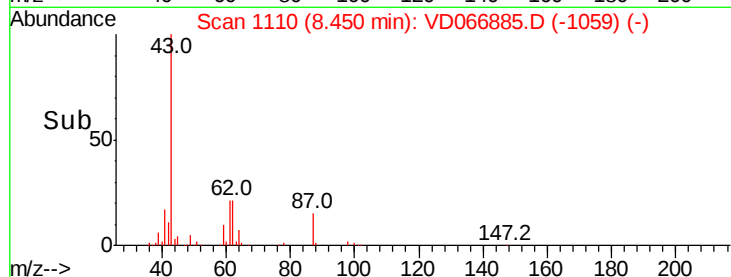
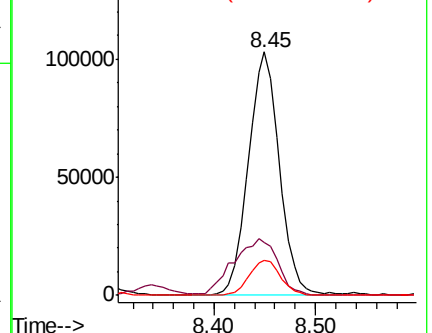
87 14.7 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.176 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066885.D

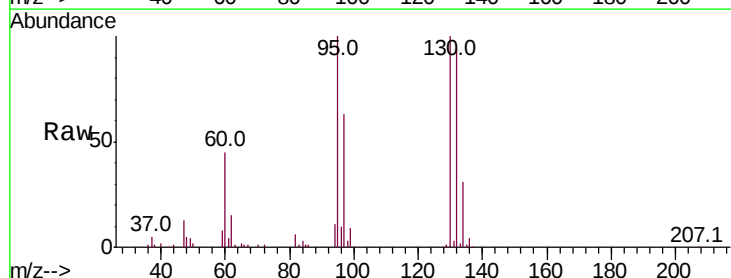
Acq: 25 Sep 2020 20:18

Tgt Ion:130 Resp: 238122

Ion Ratio Lower Upper

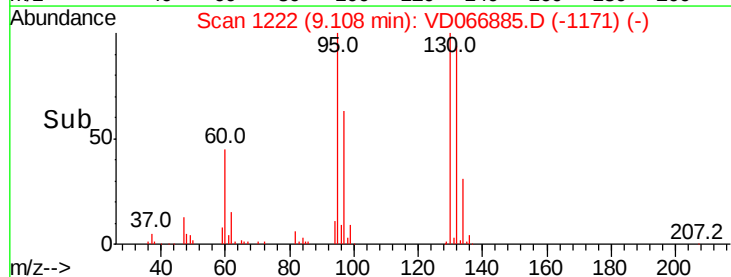
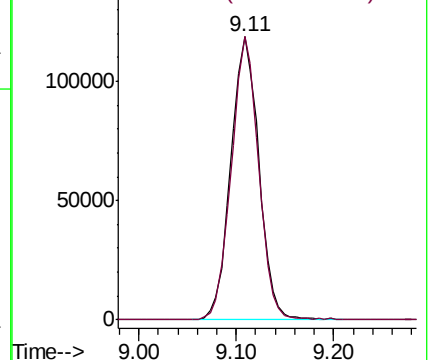
130 100

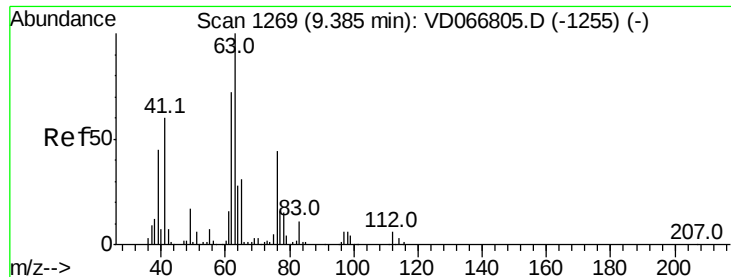
95 100.0 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.383 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

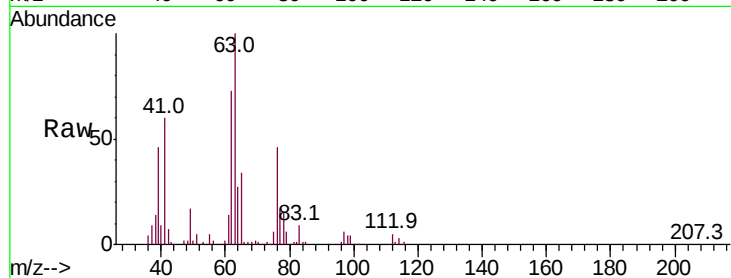
VSTDCCC050EC

Tot Ion: 63 Resp: 211098

Ion Ratio Lower Upper

63 100

65 34.1 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

120000

100000

80000

60000

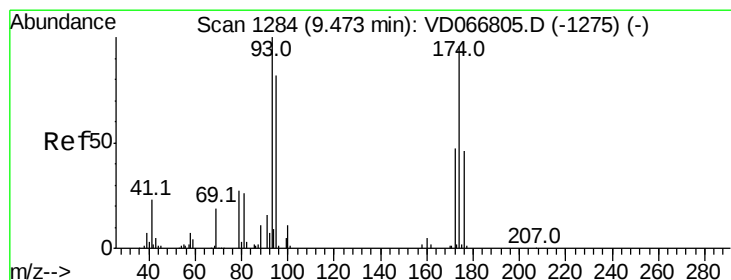
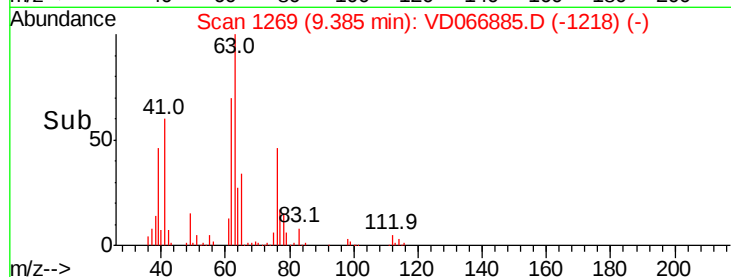
40000

20000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 51.676 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

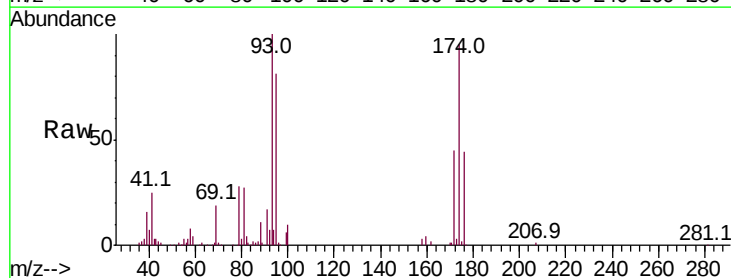
Tgt Ion: 93 Resp: 122500

Ion Ratio Lower Upper

93 100

95 82.4 65.3 97.9

174 99.5 75.4 113.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

60000

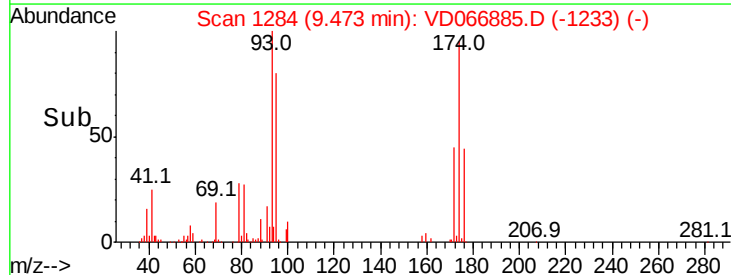
40000

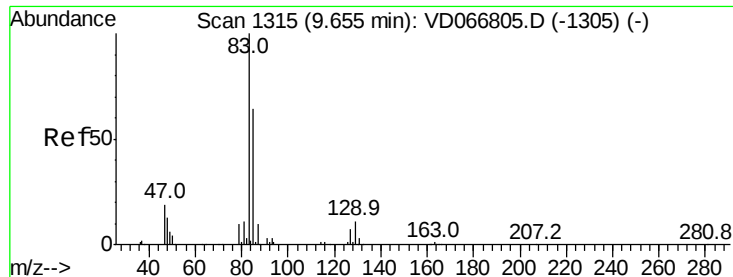
20000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 50.441 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

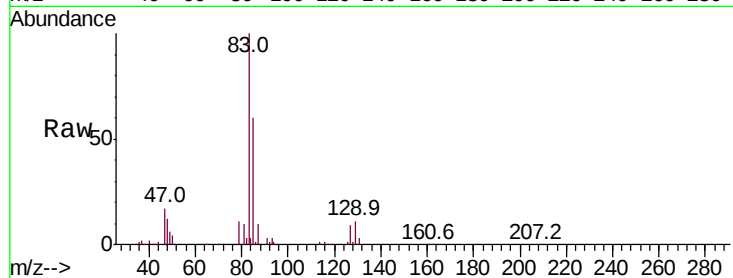
Tot Ion: 83 Resp: 321211

Ion Ratio Lower Upper

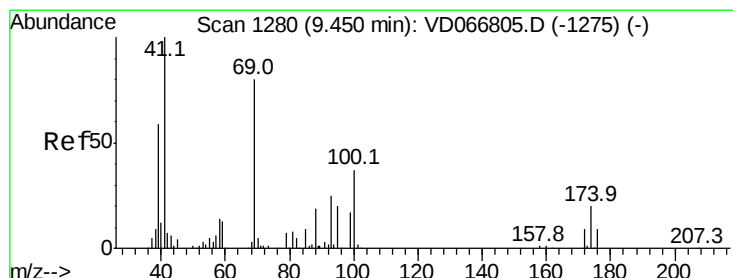
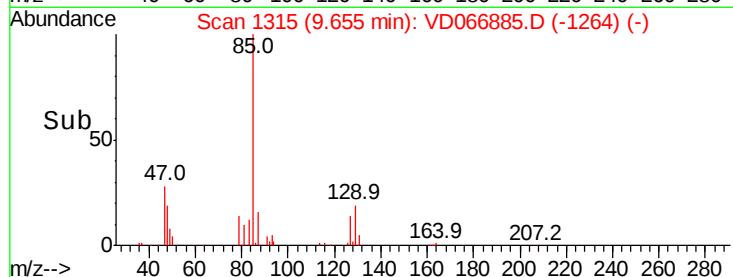
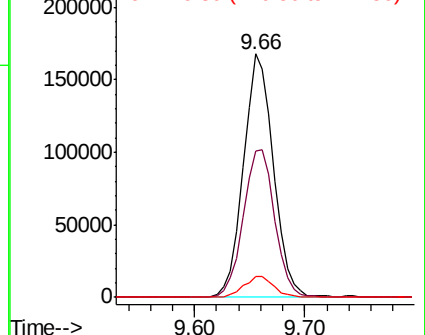
83 100

85 59.9 50.9 76.3

127 8.6 5.9 8.9



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



#48

Methyl methacrylate

Concen: 51.804 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

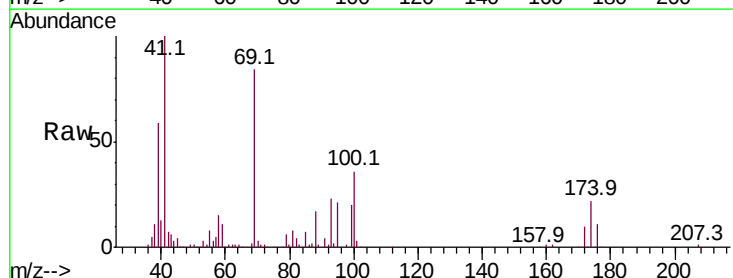
Tgt Ion: 41 Resp: 110765

Ion Ratio Lower Upper

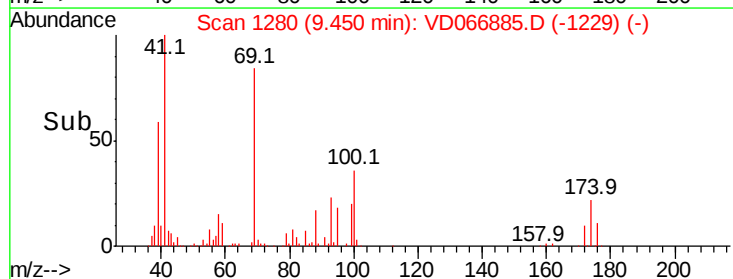
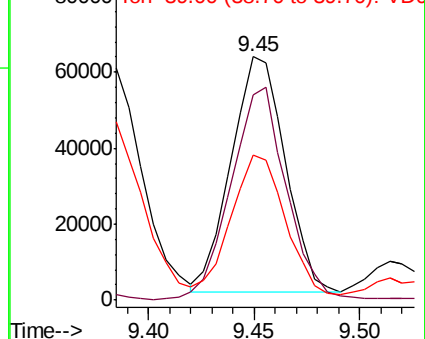
41 100

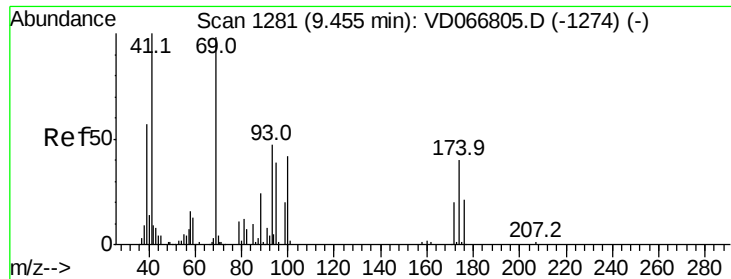
69 92.3 74.5 111.7

39 58.6 47.0 70.6



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





#49

1,4-Dioxane

Concen: 1074.128 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

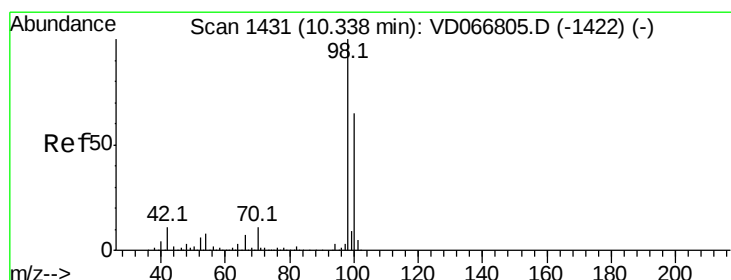
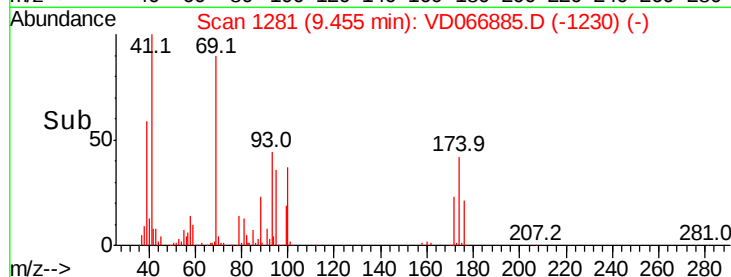
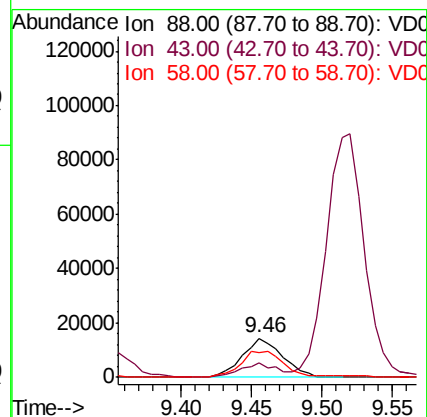
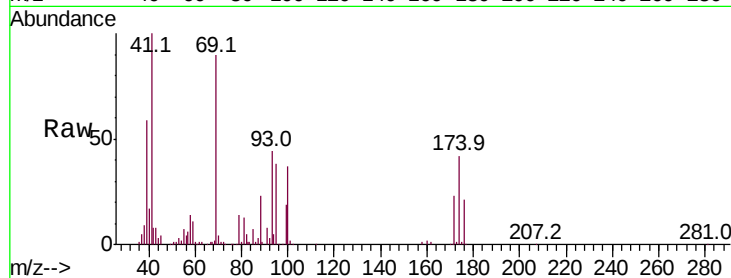
Tot Ion: 88 Resp: 28669

Ion Ratio Lower Upper

88 100

43 31.3 27.7 41.5

58 71.1 55.5 83.3



#50

Toluene-d8

Concen: 49.580 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066885.D

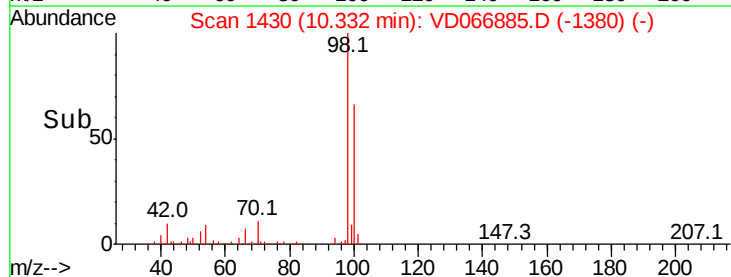
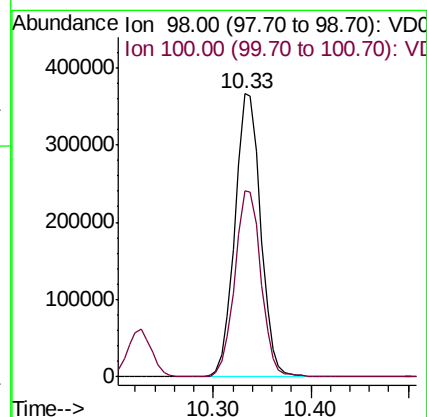
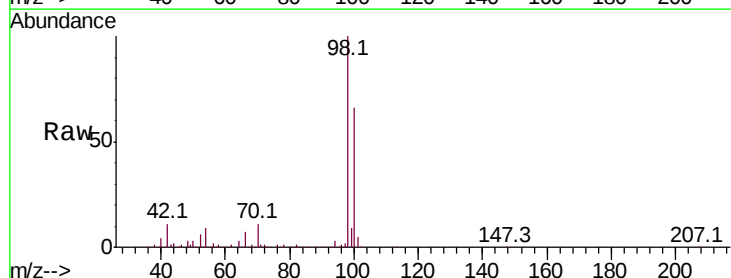
Acq: 25 Sep 2020 20:18

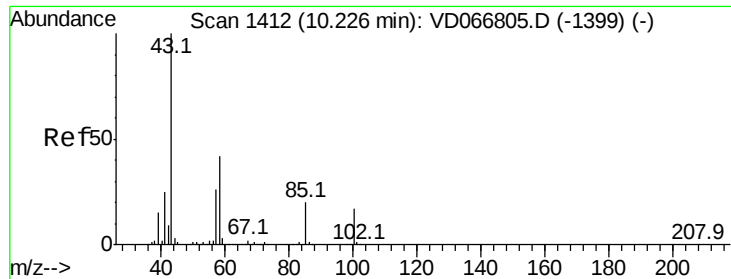
Tgt Ion: 98 Resp: 674051

Ion Ratio Lower Upper

98 100

100 66.5 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 271.515 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

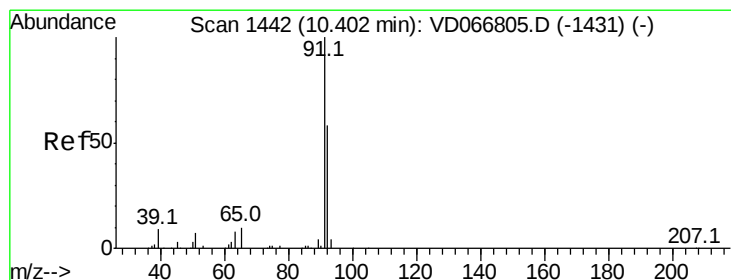
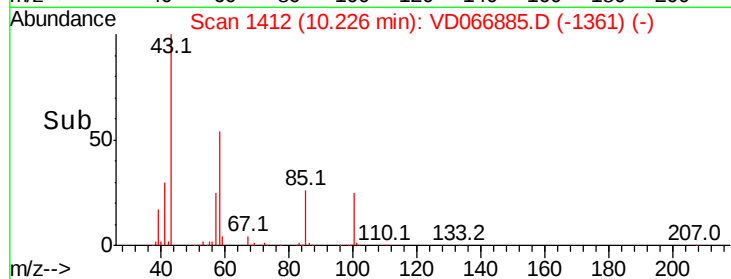
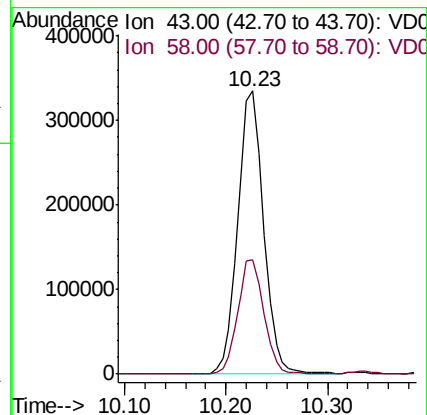
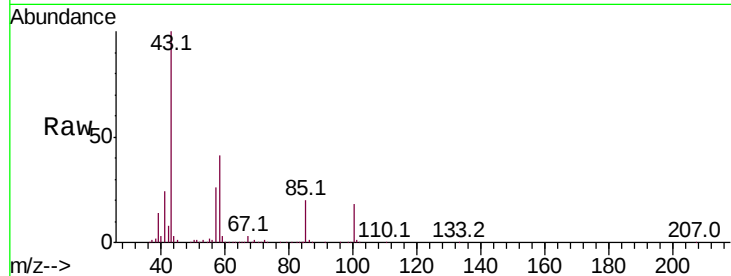
VSTDCCC050EC

Tot Ion: 43 Resp: 596630

Ion Ratio Lower Upper

43 100

58 40.9 32.2 48.4



#52

Toluene

Concen: 51.116 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066885.D

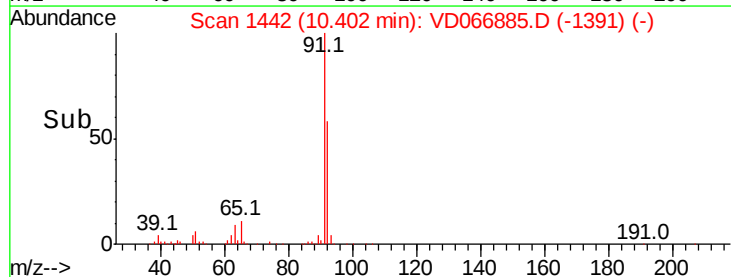
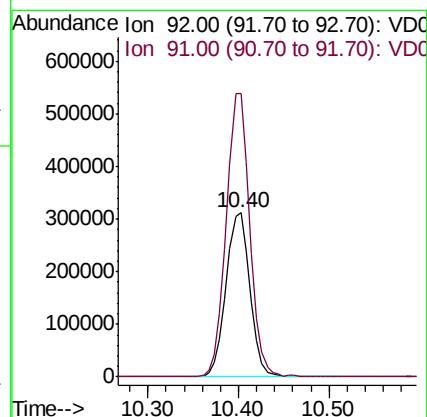
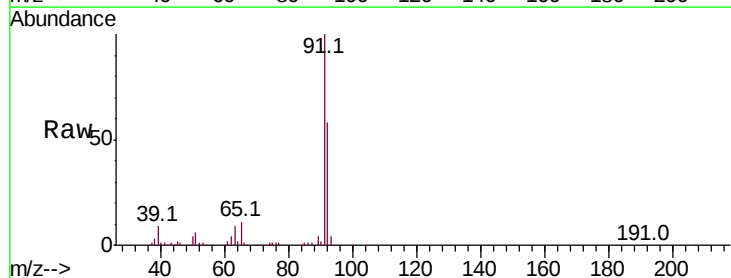
Acq: 25 Sep 2020 20:18

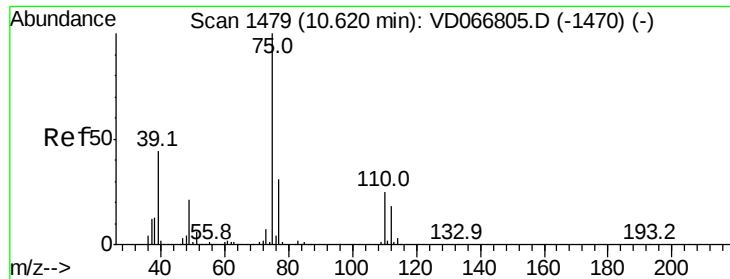
Tgt Ion: 92 Resp: 570965

Ion Ratio Lower Upper

92 100

91 170.0 134.6 202.0





#53

t-1,3-Dichloropropene

Concen: 51.567 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

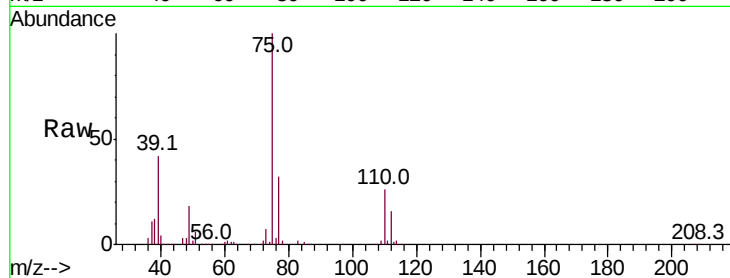
VSTDCCC050EC

Tot Ion: 75 Resp: 279496

Ion Ratio Lower Upper

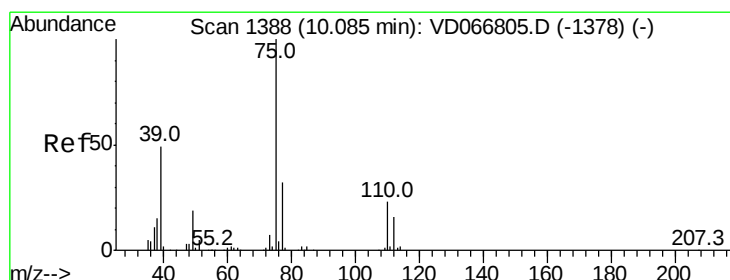
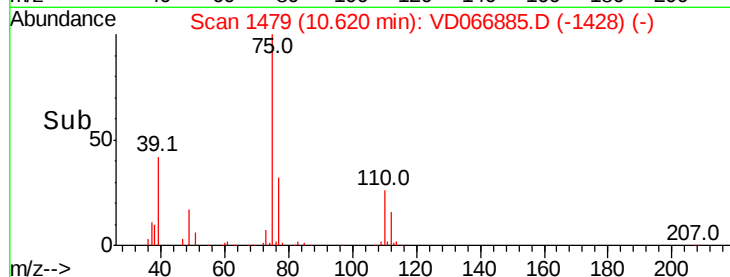
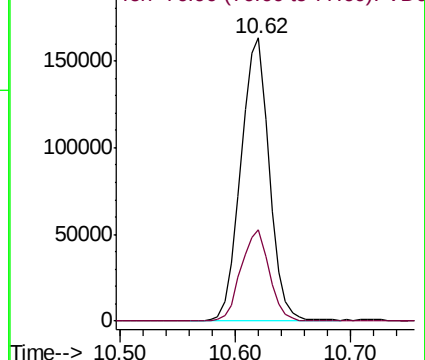
75 100

77 32.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.163 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

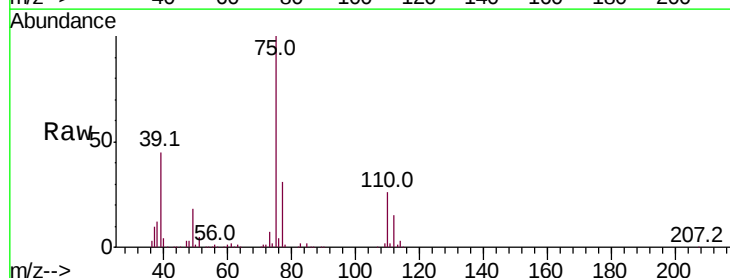
Tgt Ion: 75 Resp: 338129

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

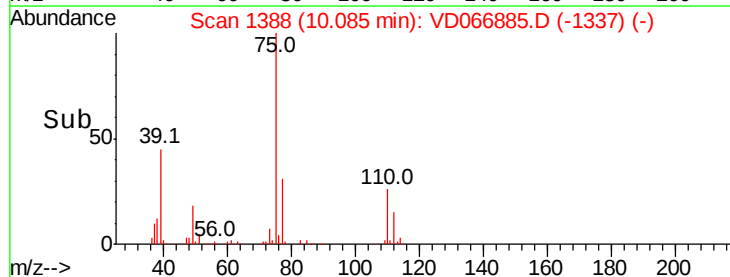
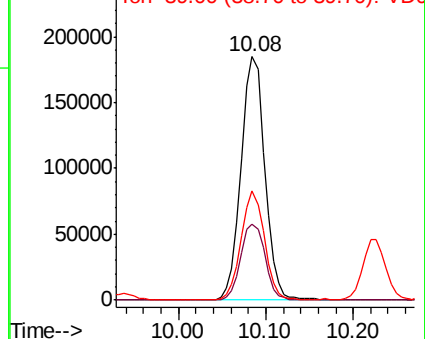
39 44.5 39.2 58.8

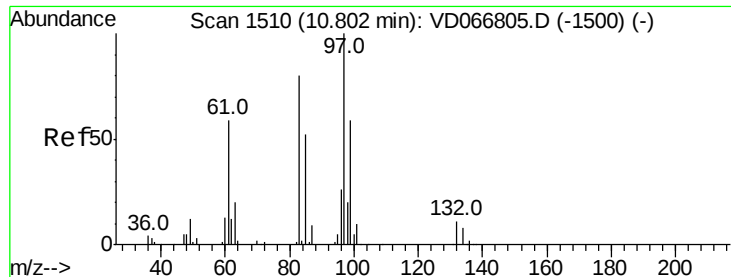


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

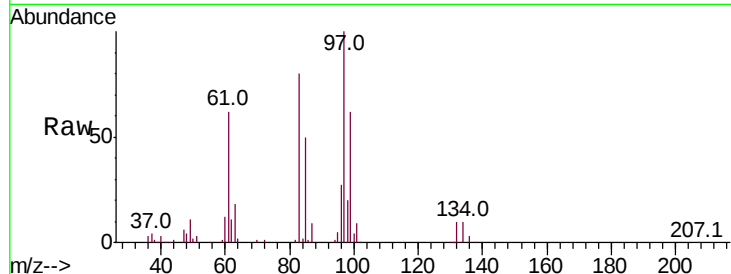




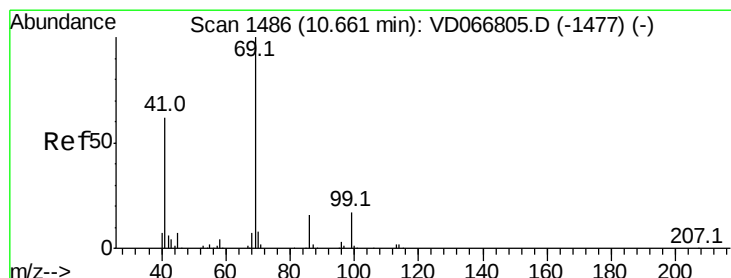
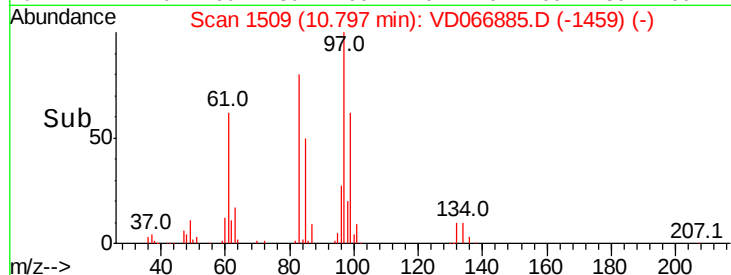
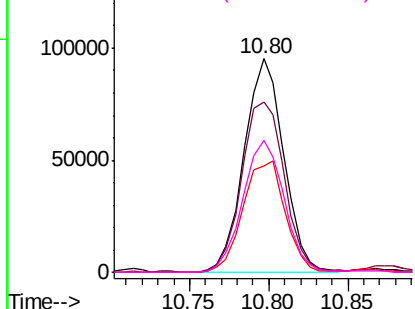
#55
 1,1,2-Trichloroethane
 Concen: 51.020 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	166266
Ion	Ratio	Lower	Upper
97	100		
83	79.6	64.2	96.2
85	49.8	41.9	62.9
99	61.7	47.5	71.3

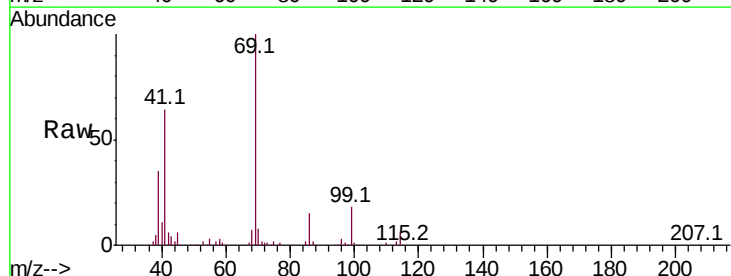


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

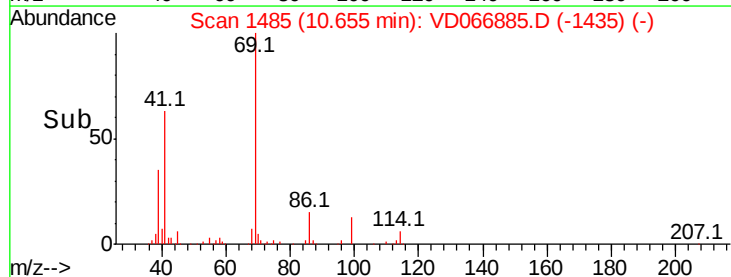
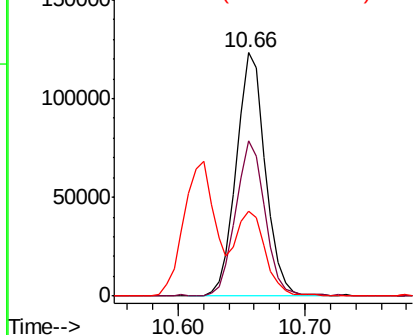


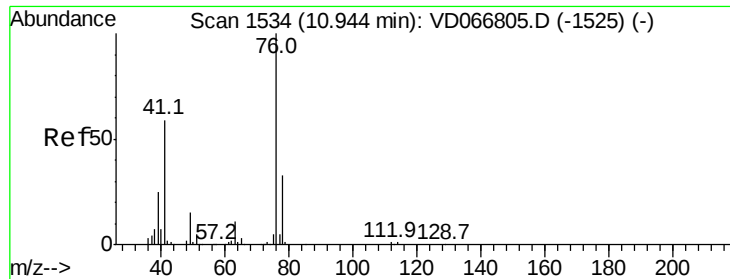
#56
 Ethyl methacrylate
 Concen: 55.944 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Tgt Ion:	69	Resp:	195308
Ion	Ratio	Lower	Upper
69	100		
41	63.4	52.2	78.2
39	35.9	26.6	40.0



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





#57

1,3-Dichloropropane

Concen: 53.157 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

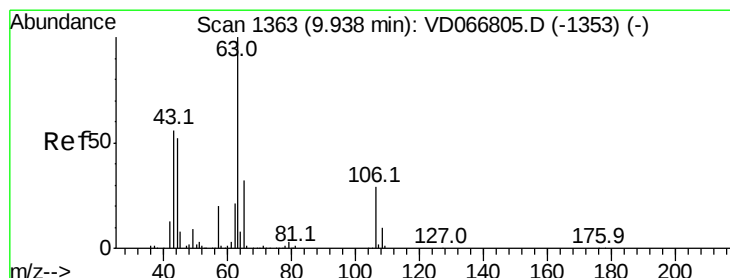
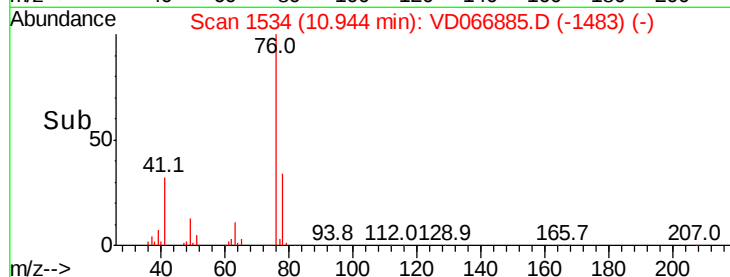
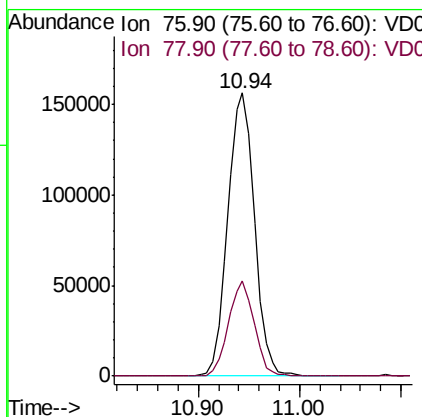
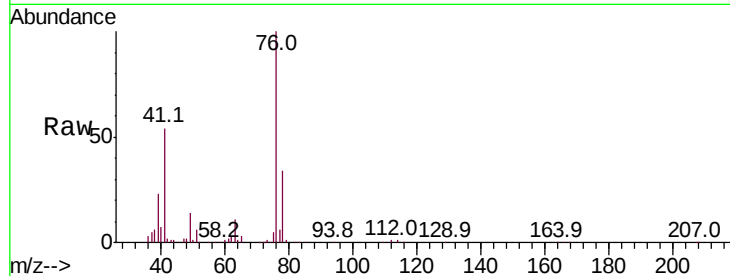
Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 286043

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5



#58

2-Chloroethyl Vinyl ether

Concen: 258.049 ug/l

RT: 9.94 min Scan# 1363

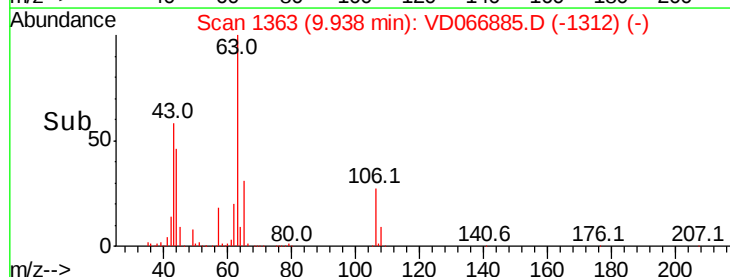
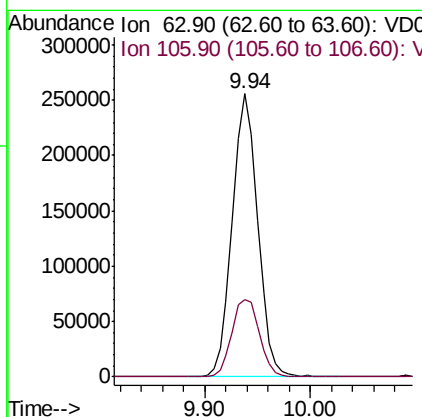
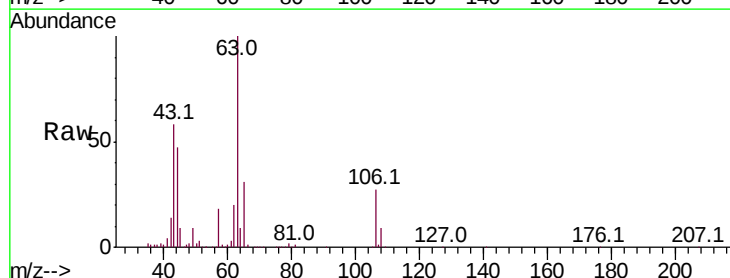
Delta R.T. -0.00 min

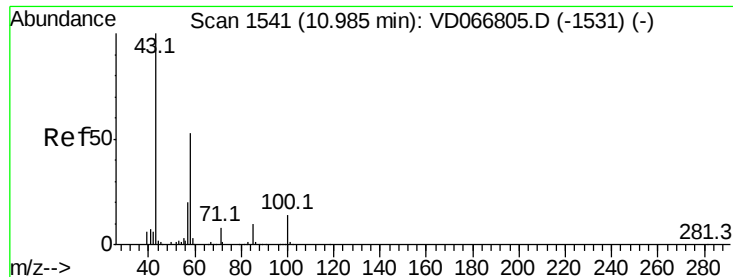
Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Tgt Ion: 63 Resp: 426560

Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.8	35.6

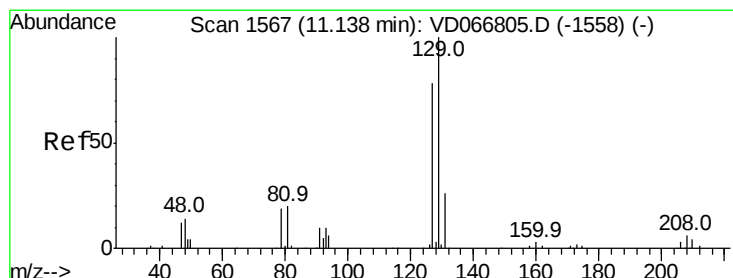
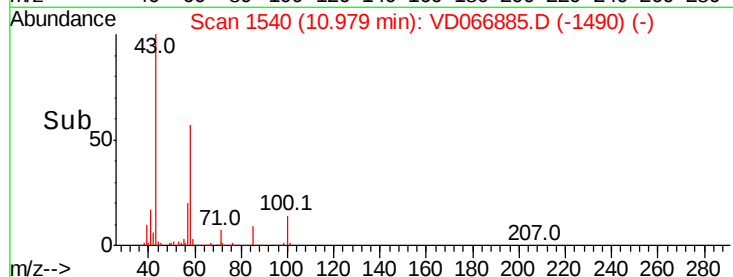
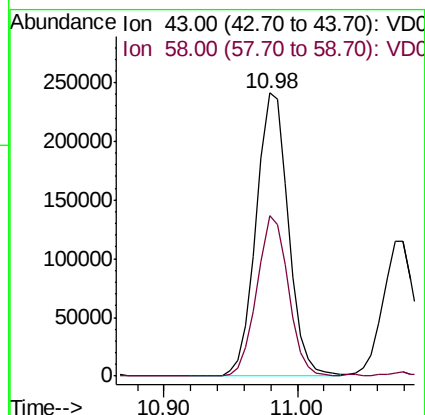
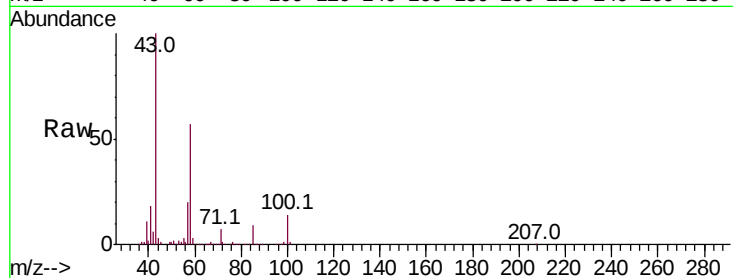




#59
2-Hexanone
Concen: 270.612 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

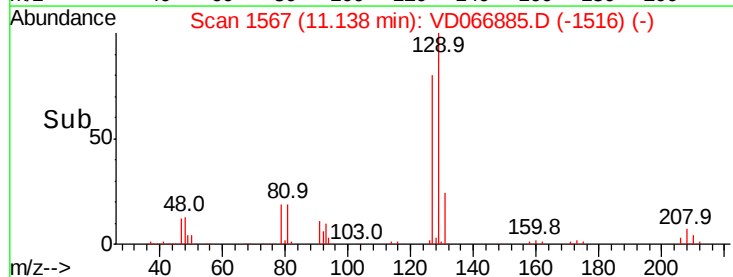
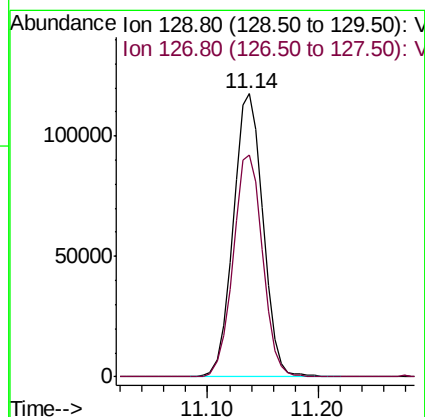
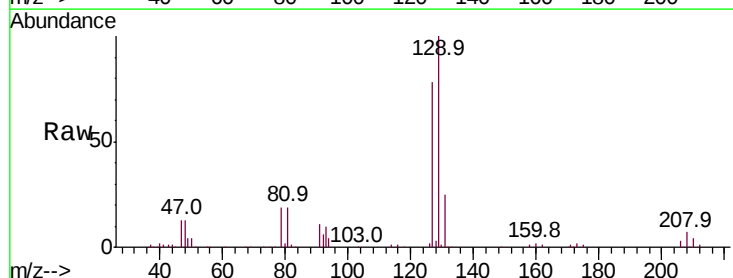
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

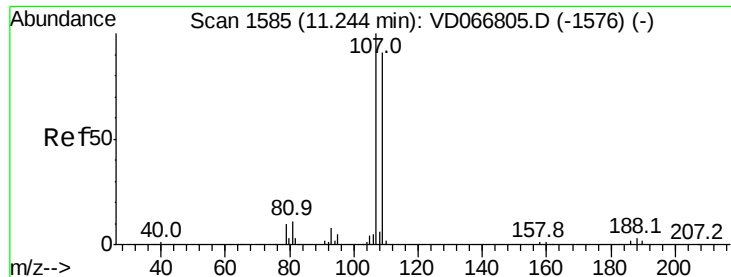
Tot Ion: 43 Resp: 401014
Ion Ratio Lower Upper
43 100
58 55.5 27.0 80.8



#60
Dibromochloromethane
Concen: 52.298 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Tgt Ion: 129 Resp: 222432
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0

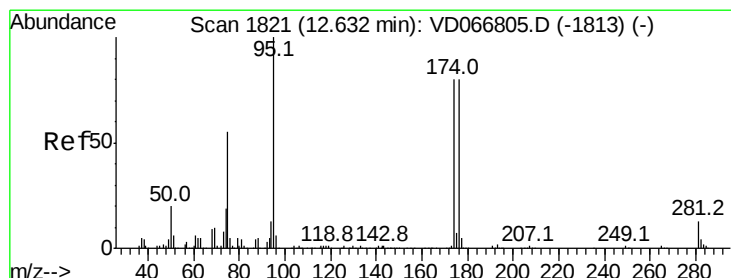
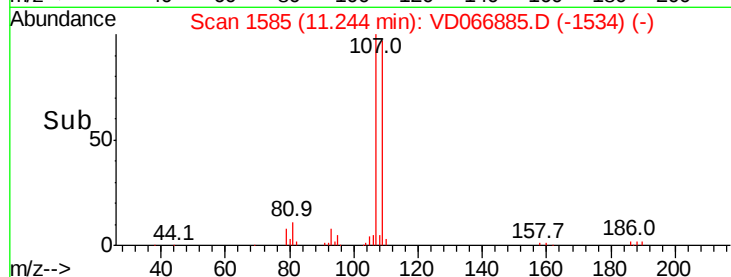
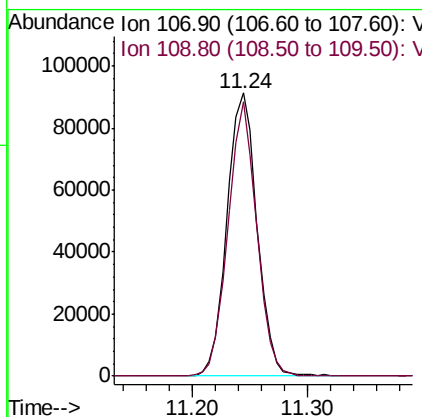
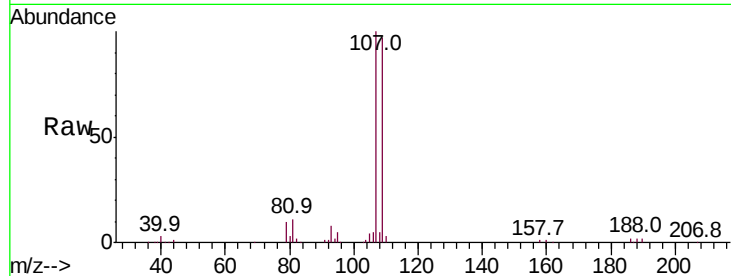




#61
 1,2-Dibromoethane
 Concen: 54.397 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

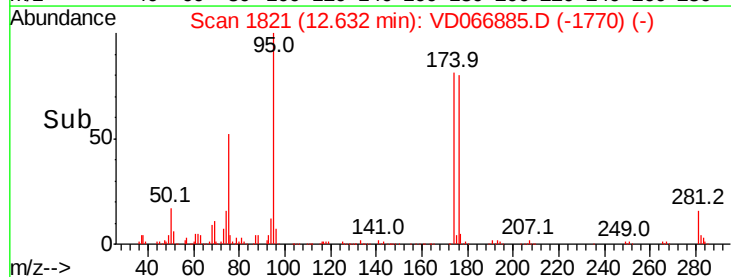
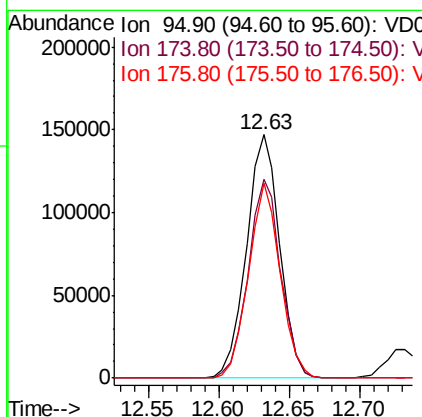
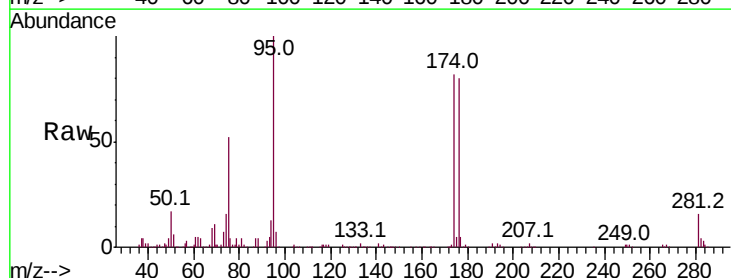
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

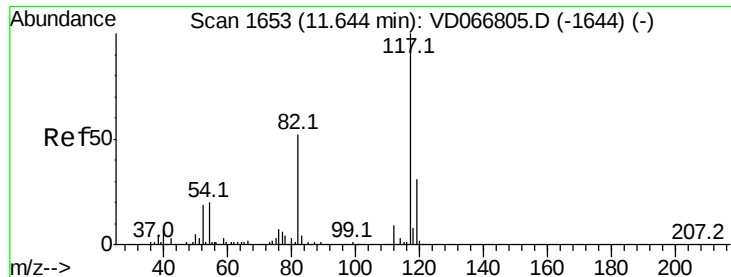
Tot Ion:107 Resp: 164885
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 52.030 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Tgt Ion: 95 Resp: 242150
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 159.8
 176 76.6 0.0 154.4

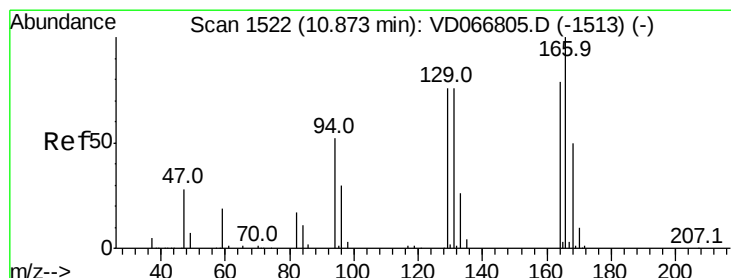
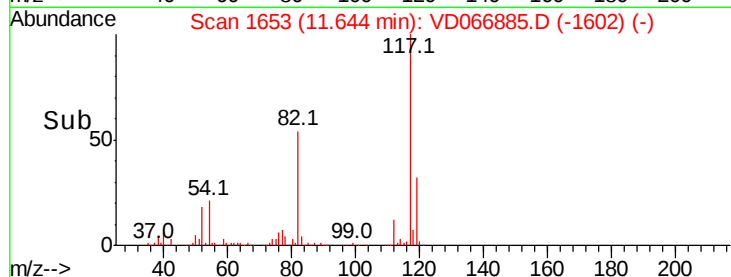
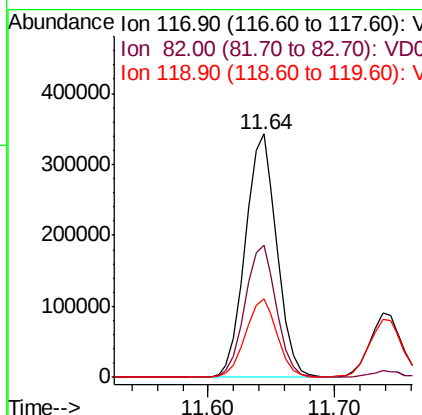
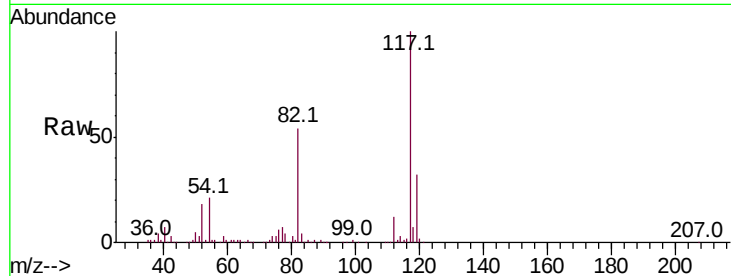




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

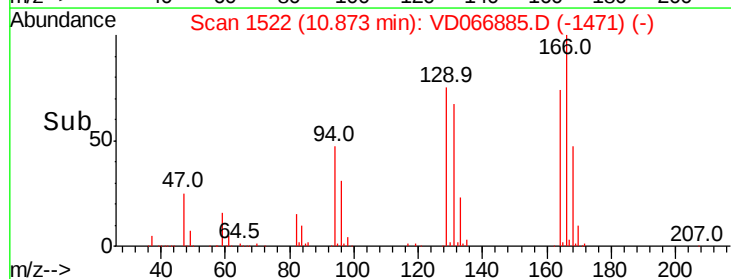
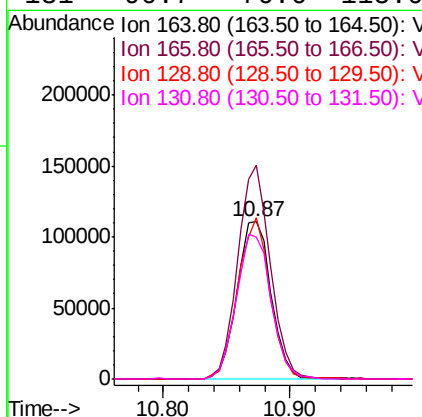
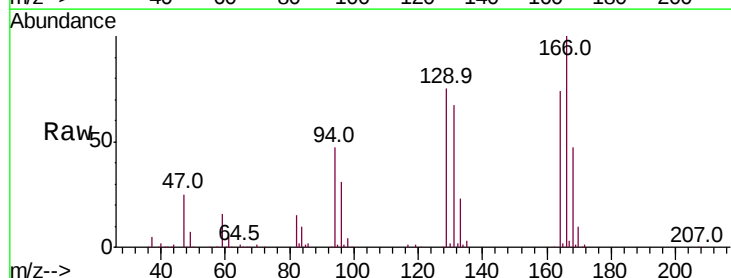
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

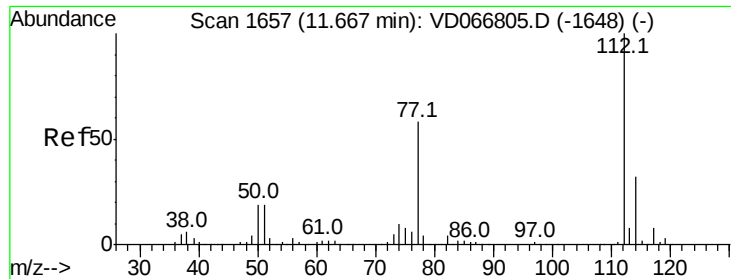
Tot Ion:117 Resp: 593015
Ion Ratio Lower Upper
117 100
82 54.1 41.8 62.6
119 32.2 24.6 37.0



#64
Tetrachloroethene
Concen: 48.321 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Tgt Ion:164 Resp: 206120
Ion Ratio Lower Upper
164 100
166 135.9 101.1 151.7
129 102.4 77.0 115.4
131 90.7 76.6 115.0





#65

Chlorobenzene

Concen: 48.916 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

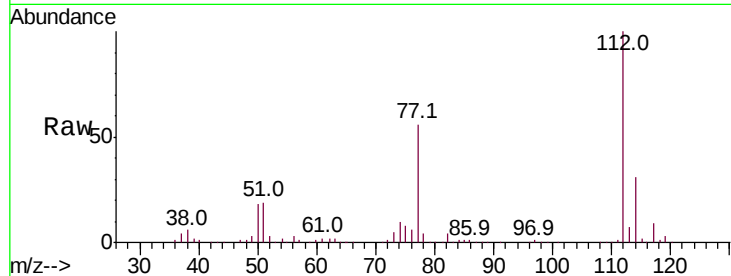
VSTDCCC050EC

Tot Ion:112 Resp: 603815

Ion Ratio Lower Upper

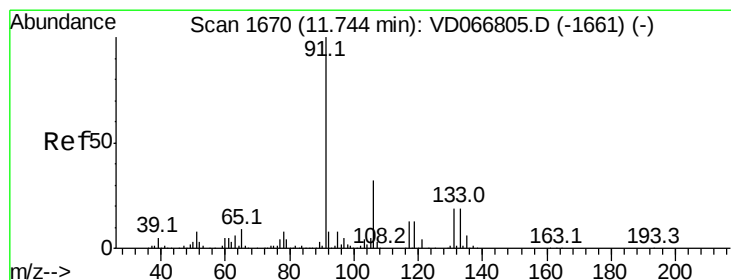
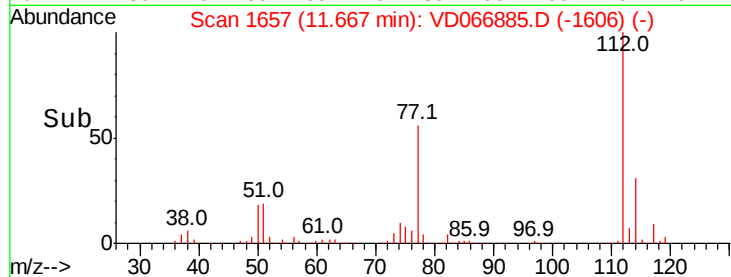
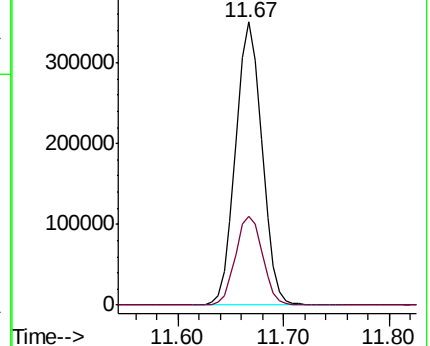
112 100

114 31.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.217 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

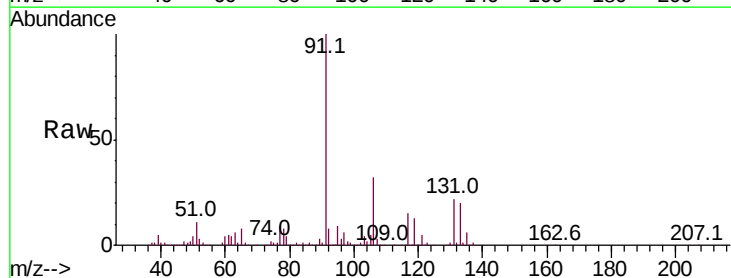
Tgt Ion:131 Resp: 234612

Ion Ratio Lower Upper

131 100

133 94.9 46.7 140.1

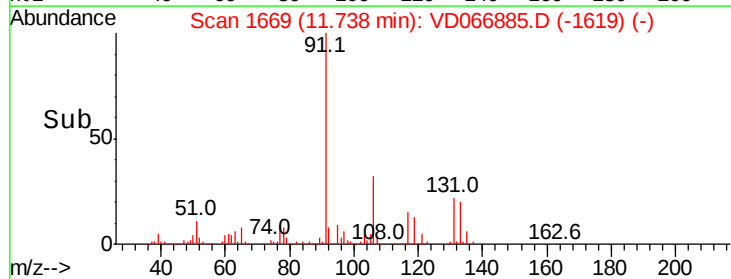
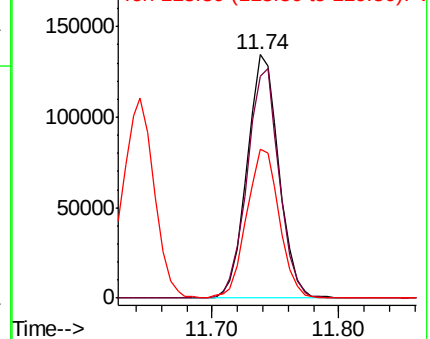
119 62.8 32.3 96.9

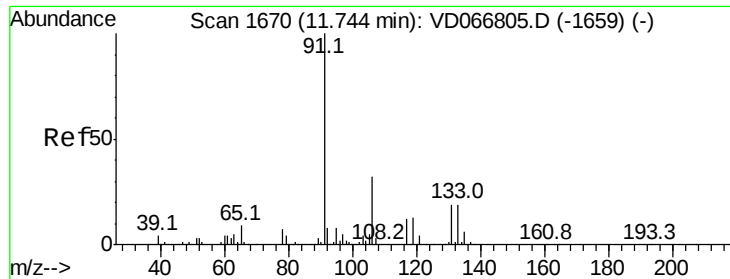


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.647 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

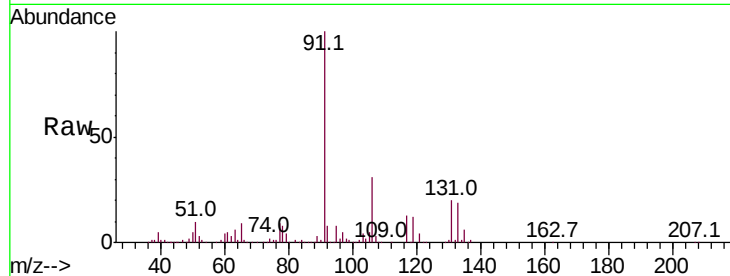
VSTDCCC050EC

Tot Ion: 91 Resp: 1076336

Ion Ratio Lower Upper

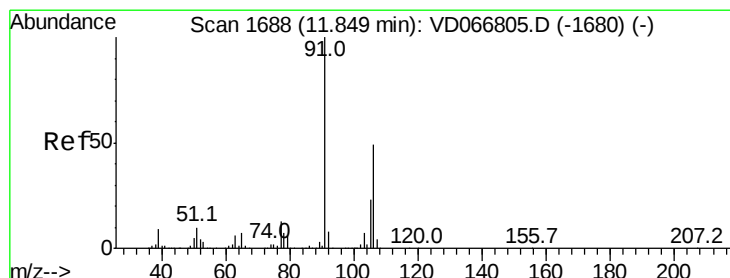
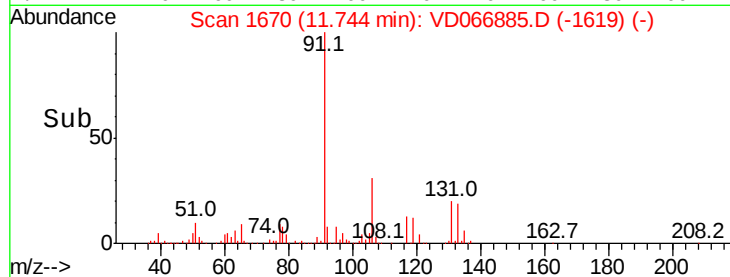
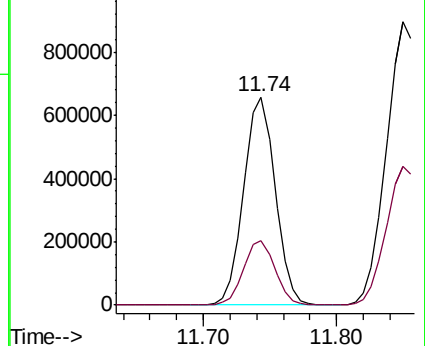
91 100

106 31.3 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.230 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066885.D

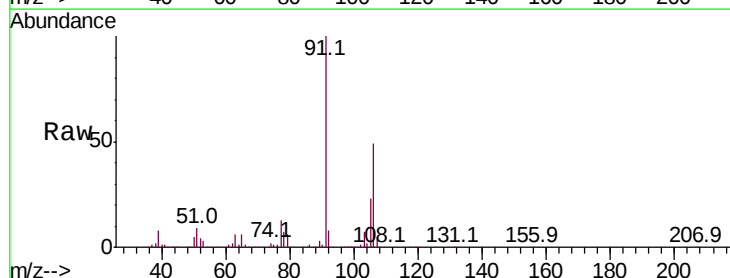
Acq: 25 Sep 2020 20:18

Tgt Ion:106 Resp: 830929

Ion Ratio Lower Upper

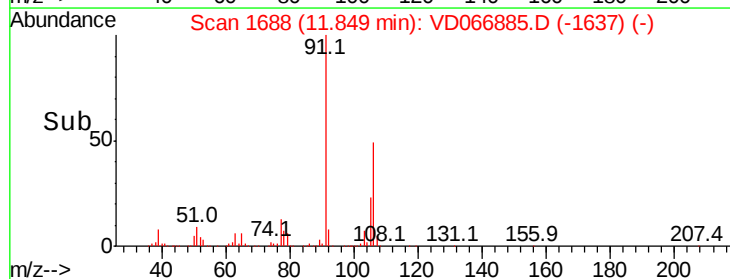
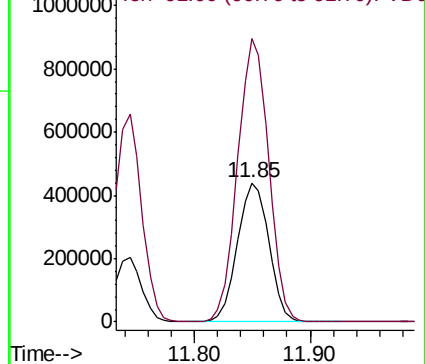
106 100

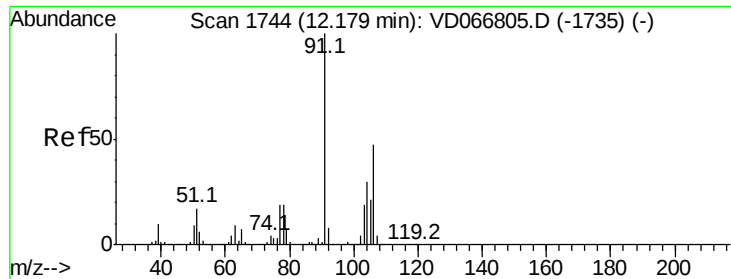
91 201.1 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

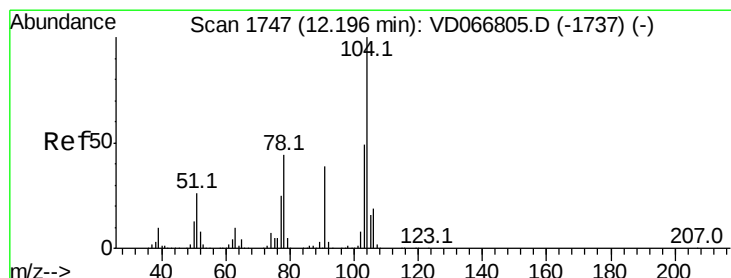
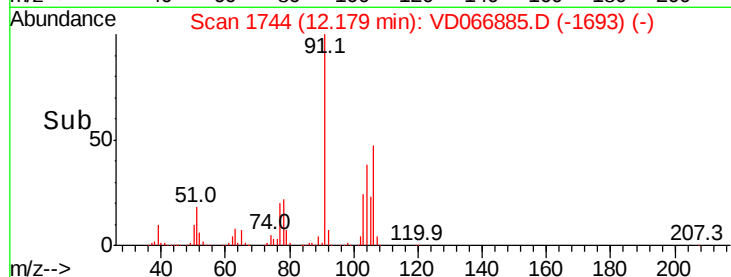
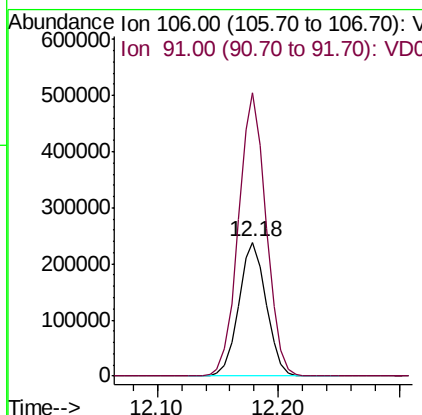
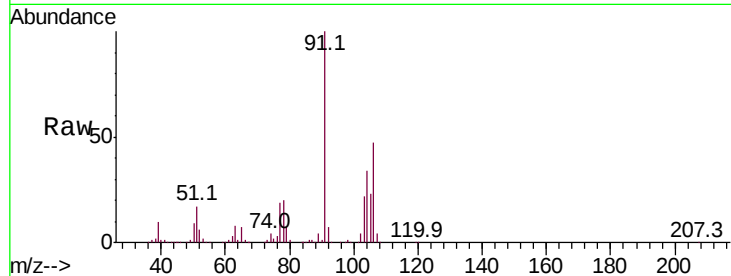




#69
o-Xylene
Concen: 51.148 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

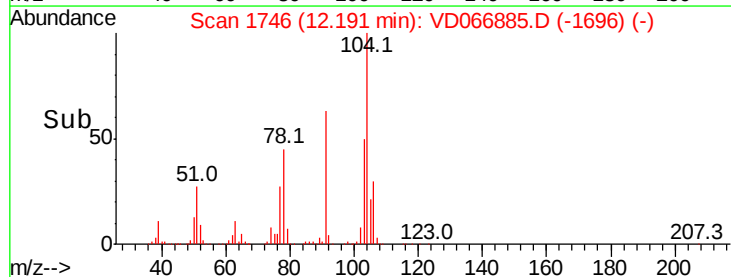
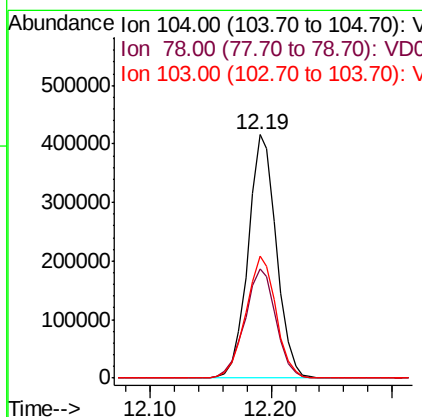
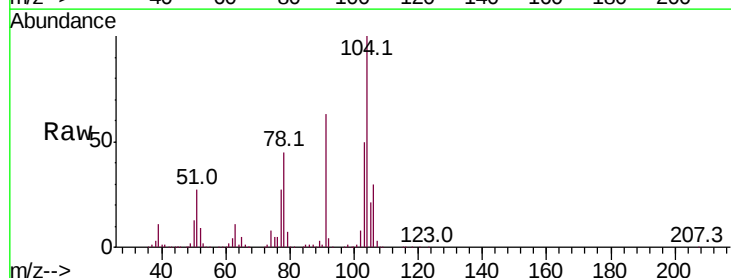
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

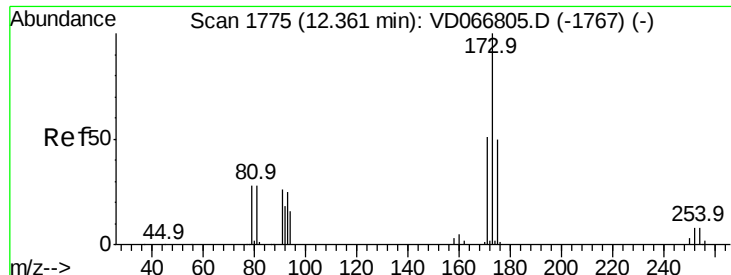
Tot Ion:106 Resp: 379630
Ion Ratio Lower Upper
106 100
91 212.1 106.3 318.8



#70
Styrene
Concen: 52.498 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Tgt Ion:104 Resp: 676682
Ion Ratio Lower Upper
104 100
78 49.4 38.9 58.3
103 53.4 43.2 64.8





#71

Bromoform

Concen: 52.313 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

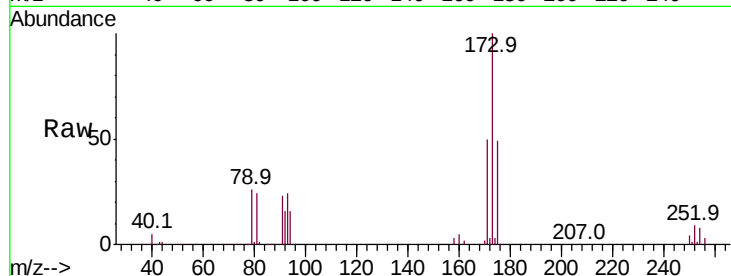
Tot Ion:173 Resp: 123744

Ion Ratio Lower Upper

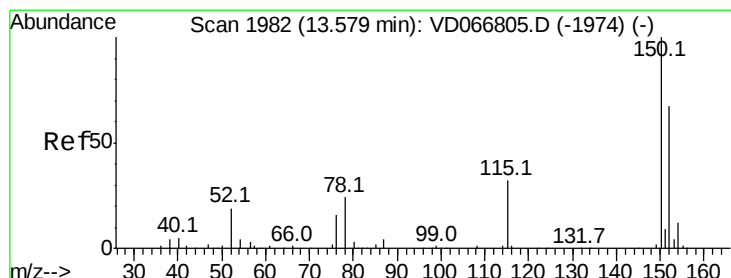
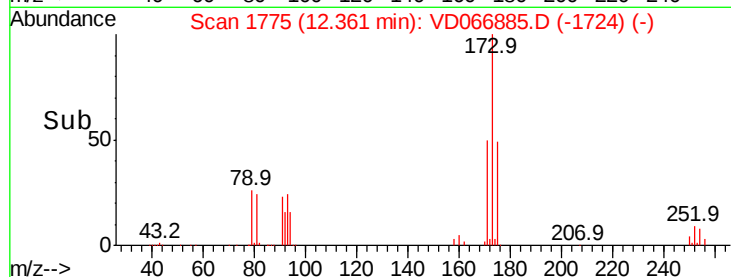
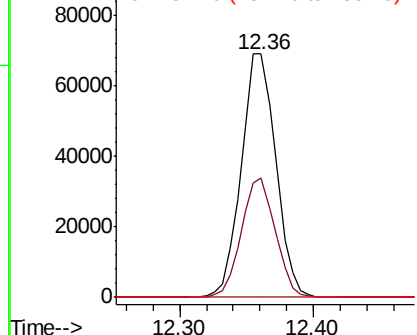
173 100

175 47.9 24.9 74.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

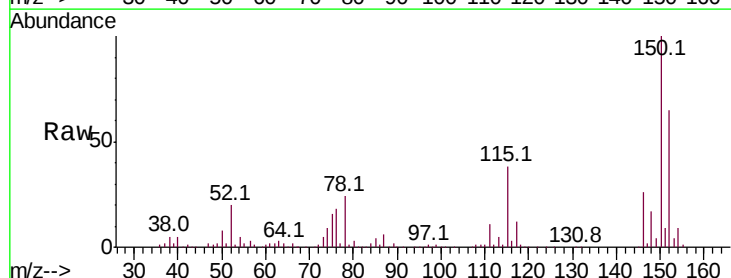
Tgt Ion:152 Resp: 283521

Ion Ratio Lower Upper

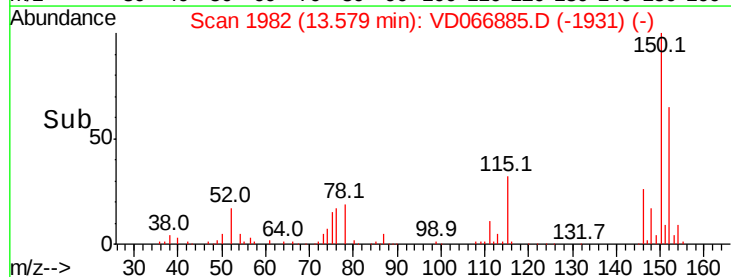
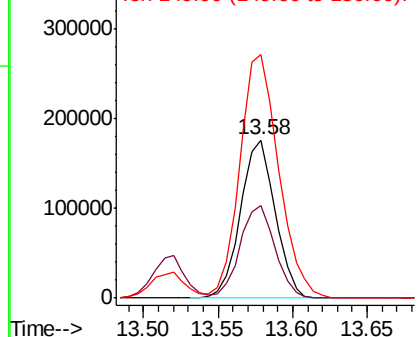
152 100

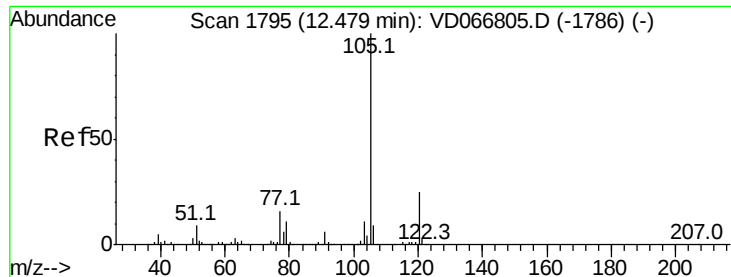
115 59.3 30.3 91.0

150 172.9 0.0 346.2



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: 50.343 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

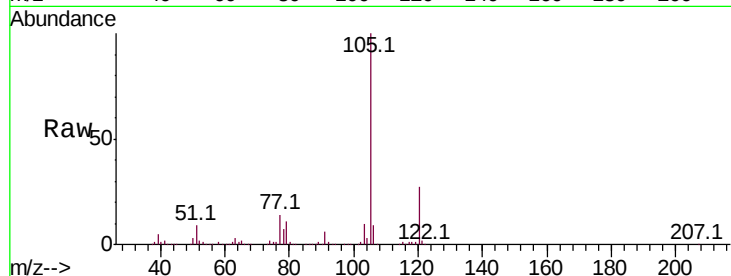
VSTDCCC050EC

Tot Ion:105 Resp: 1031098

Ion Ratio Lower Upper

105 100

120 26.4 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

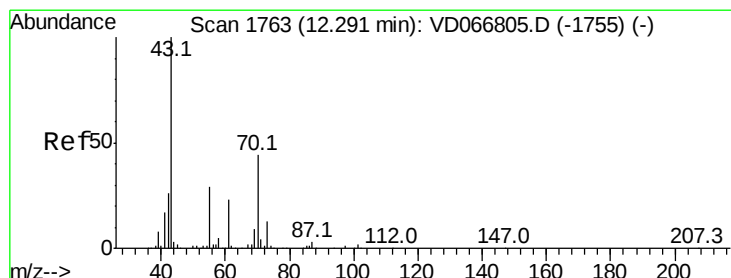
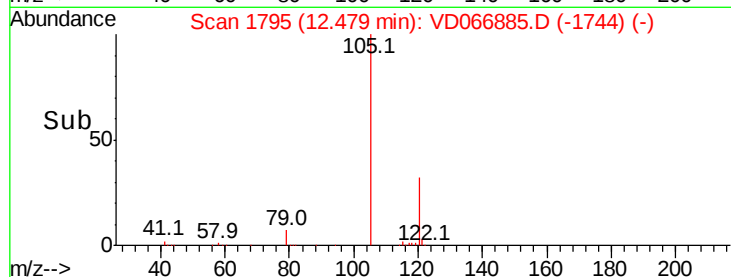
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 51.270 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Tgt Ion: 43 Resp: 205068

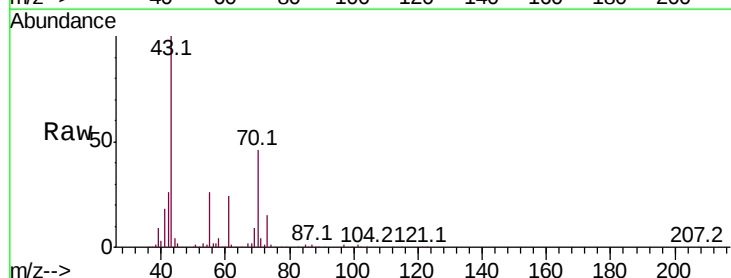
Ion Ratio Lower Upper

43 100

70 45.0 36.1 54.1

55 28.4 21.8 32.8

61 24.2 19.0 28.4



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

200000

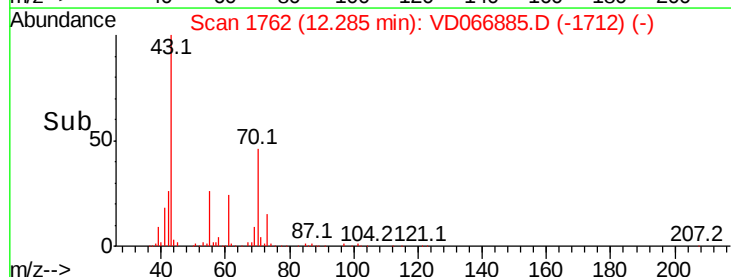
150000

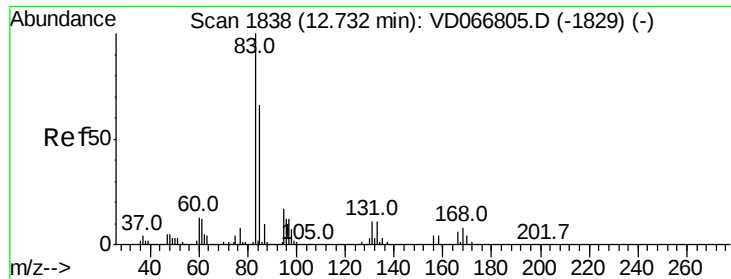
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.582 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

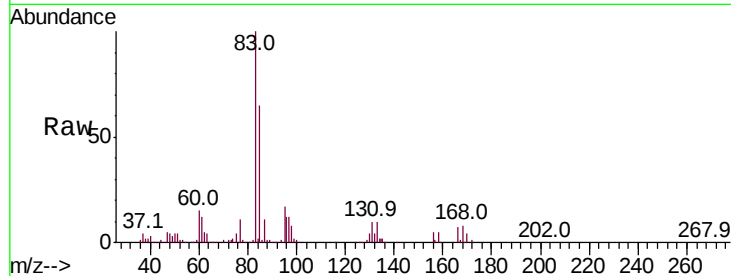
Tot Ion: 83 Resp: 178765

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.7

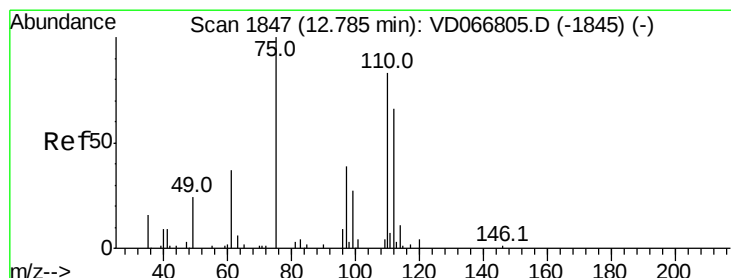
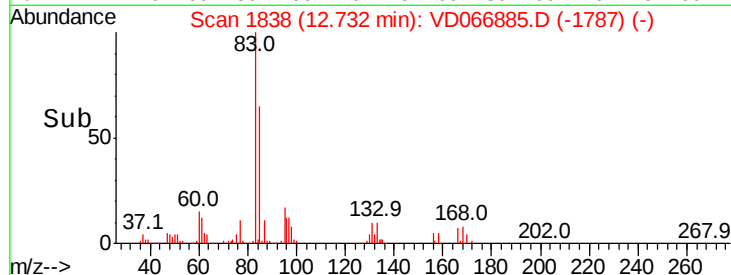
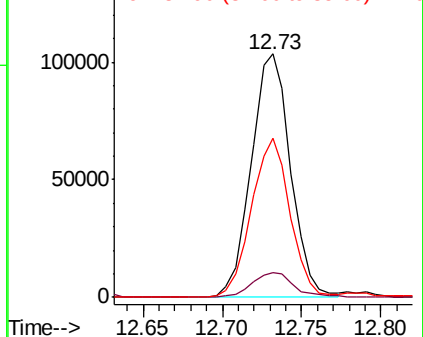
85 63.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 98.436 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066885.D

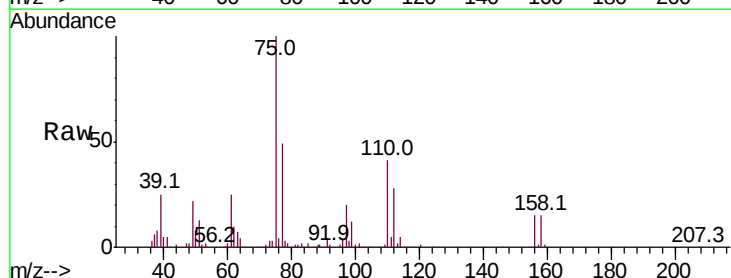
Acq: 25 Sep 2020 20:18

Tgt Ion: 75 Resp: 231284

Ion Ratio Lower Upper

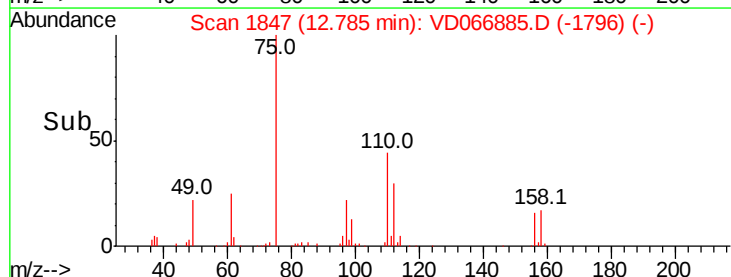
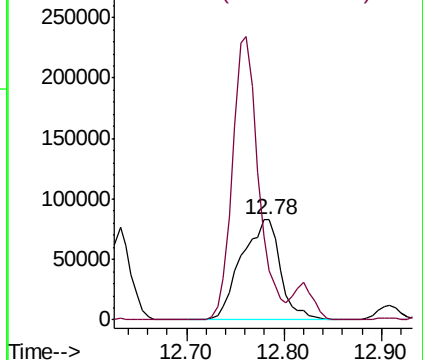
75 100

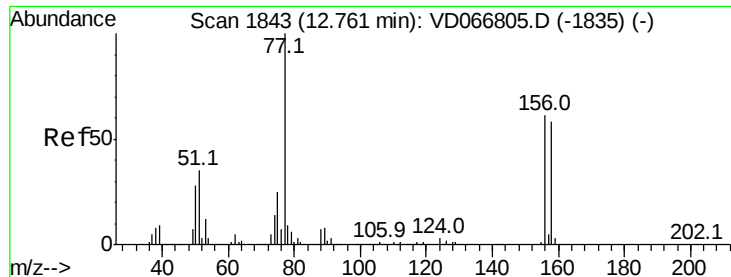
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.295 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

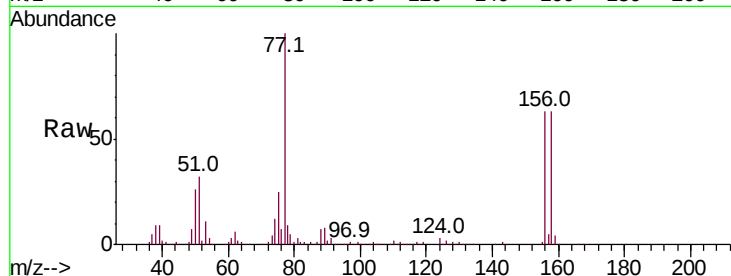
Tot Ion:156 Resp: 245712

Ion Ratio Lower Upper

156 100

77 178.4 92.3 276.9

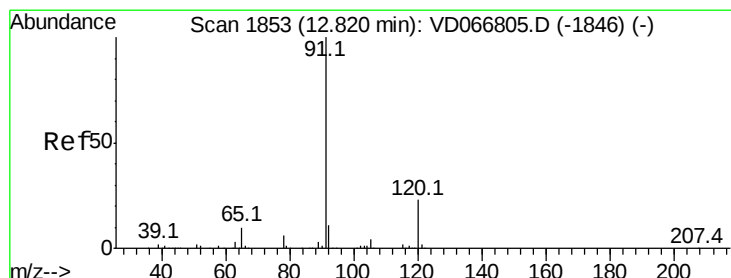
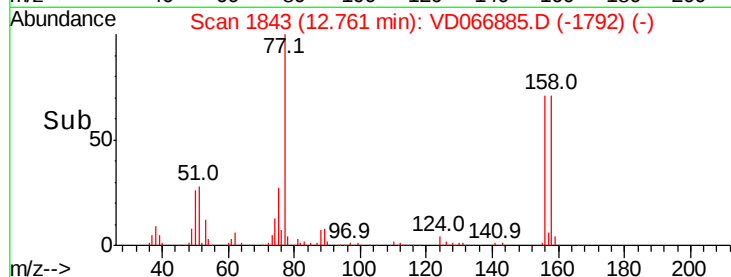
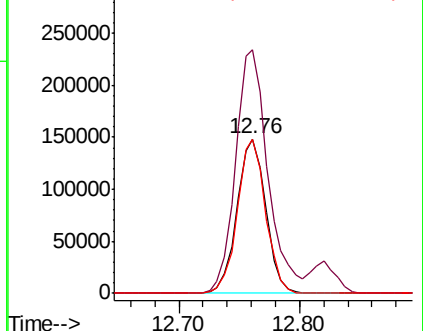
158 97.8 47.6 142.9



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: 49.007 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066885.D

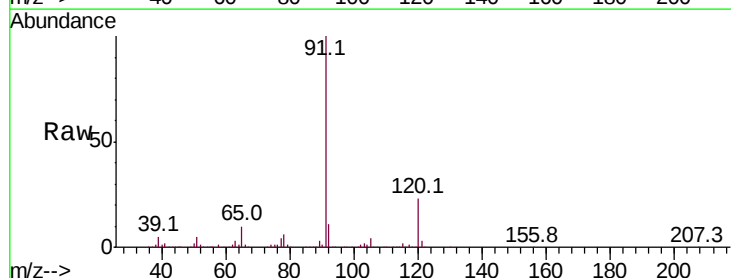
Acq: 25 Sep 2020 20:18

Tgt Ion: 91 Resp: 1207536

Ion Ratio Lower Upper

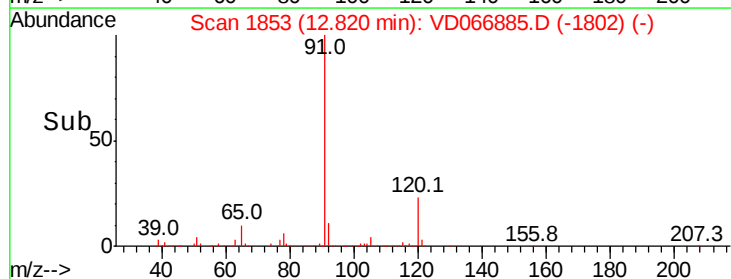
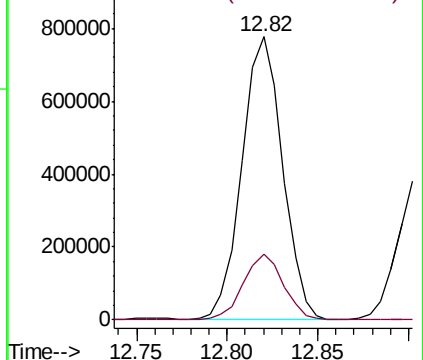
91 100

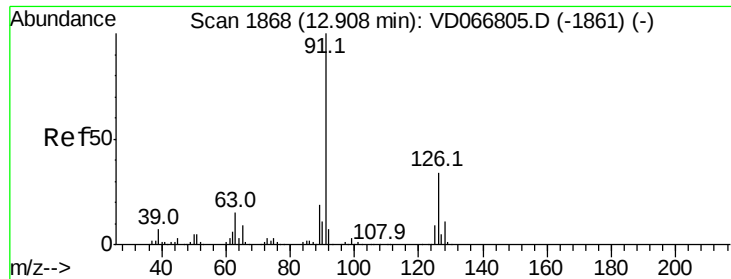
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.378 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

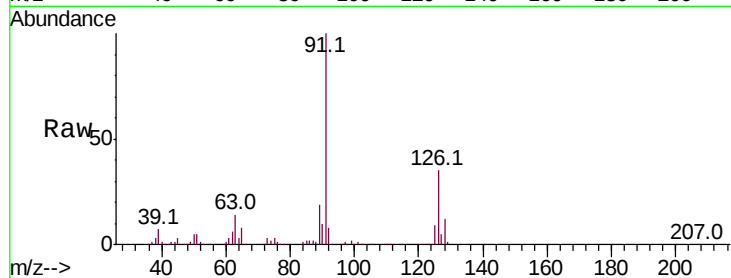
VSTDCCC050EC

Tot Ion: 91 Resp: 693328

Ion Ratio Lower Upper

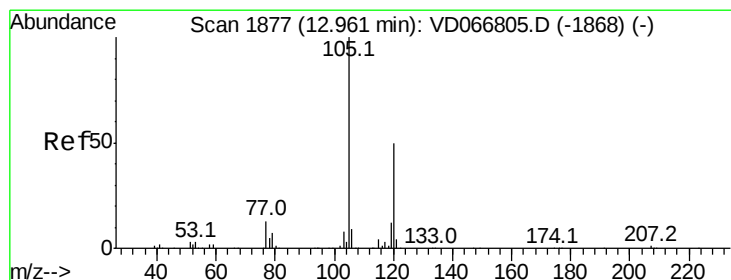
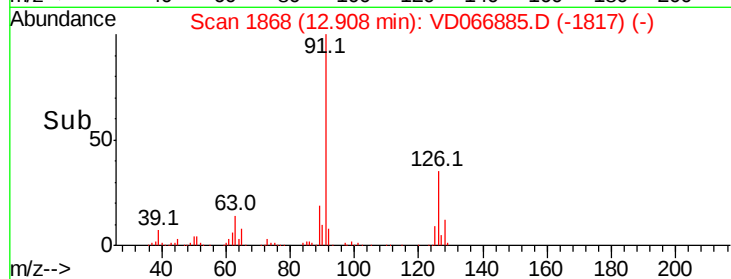
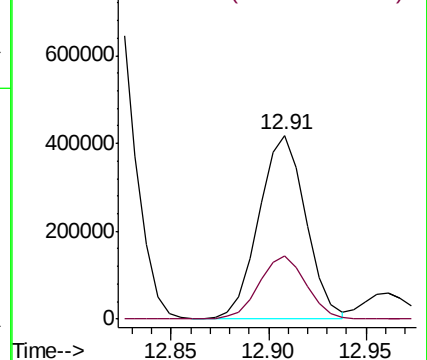
91 100

126 34.7 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.719 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066885.D

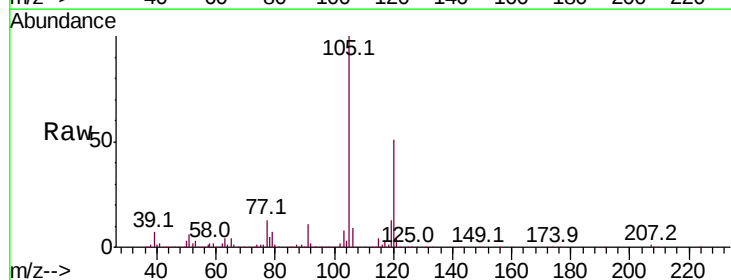
Acq: 25 Sep 2020 20:18

Tgt Ion:105 Resp: 881428

Ion Ratio Lower Upper

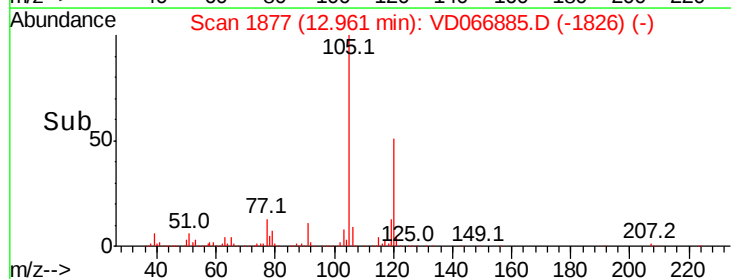
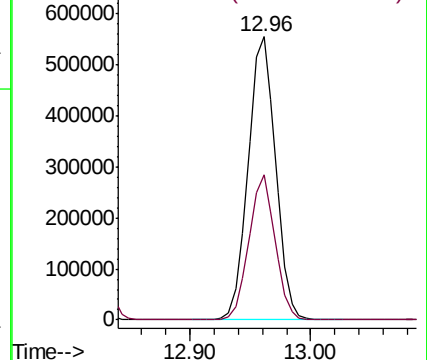
105 100

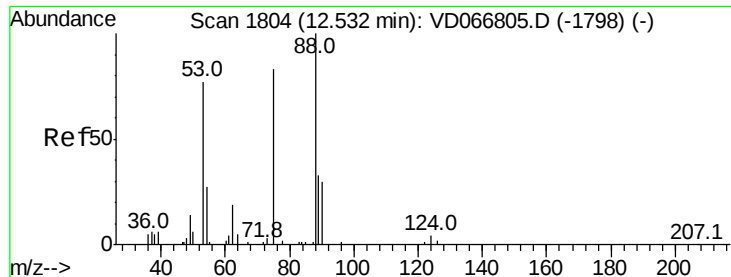
120 49.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.797 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

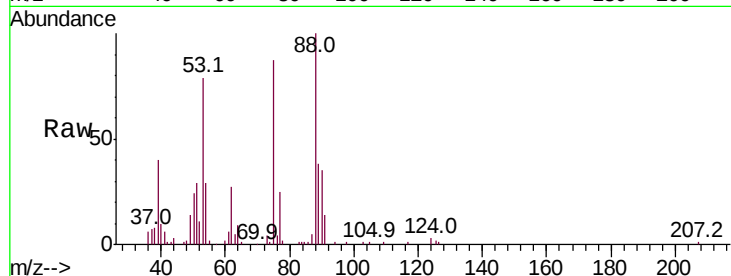
Tot Ion: 75 Resp: 51461

Ion Ratio Lower Upper

75 100

53 93.8 78.5 117.7

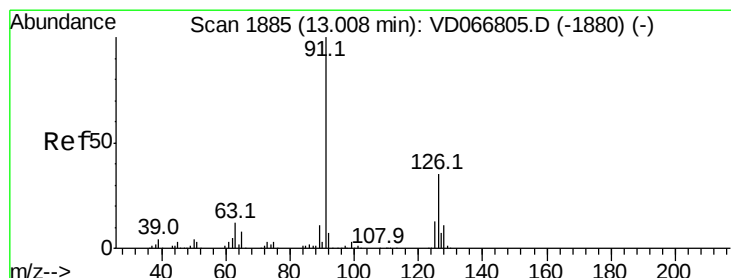
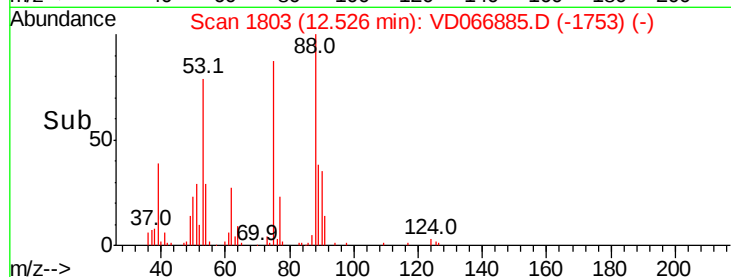
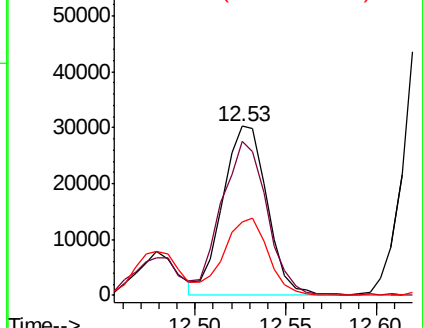
89 44.7 38.1 57.1



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: 50.316 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066885.D

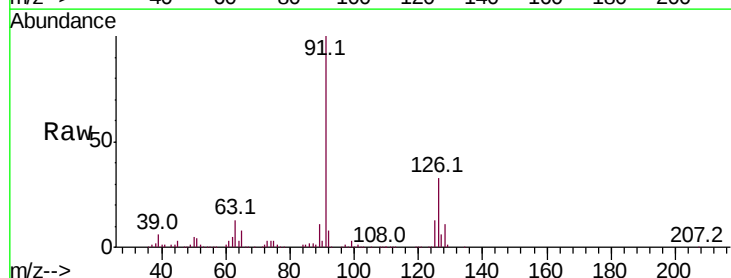
Acq: 25 Sep 2020 20:18

Tgt Ion: 91 Resp: 744752

Ion Ratio Lower Upper

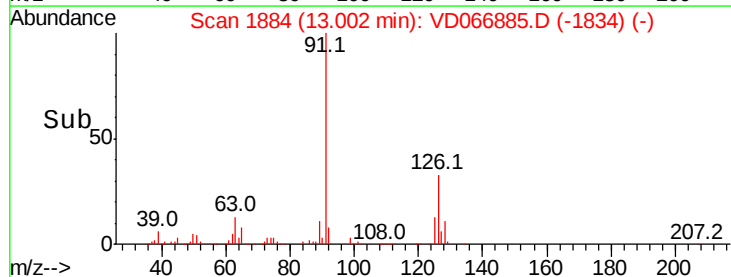
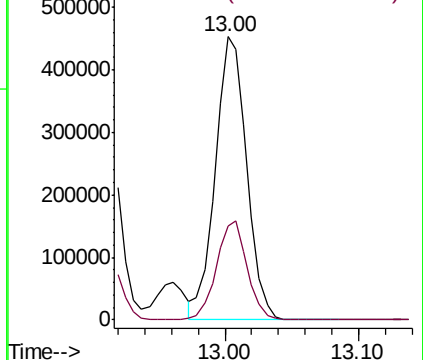
91 100

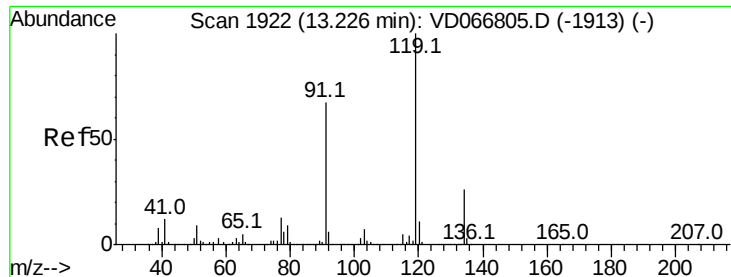
126 34.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

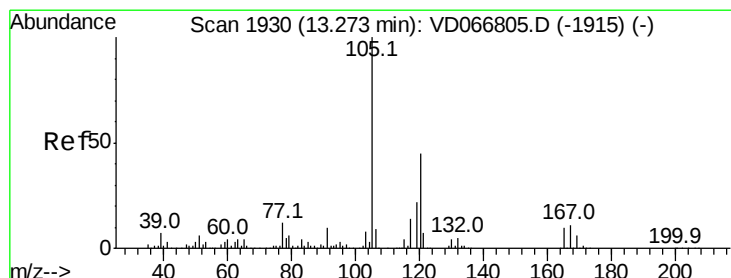
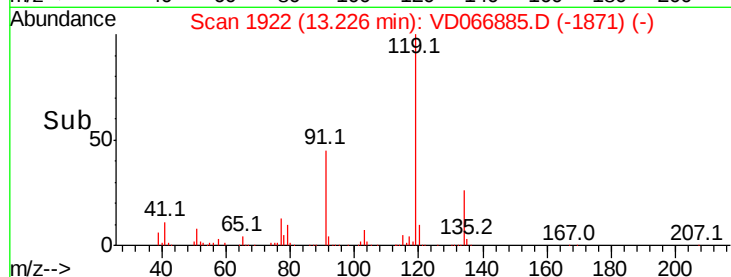
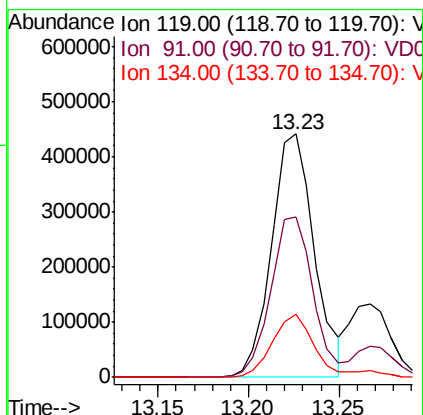
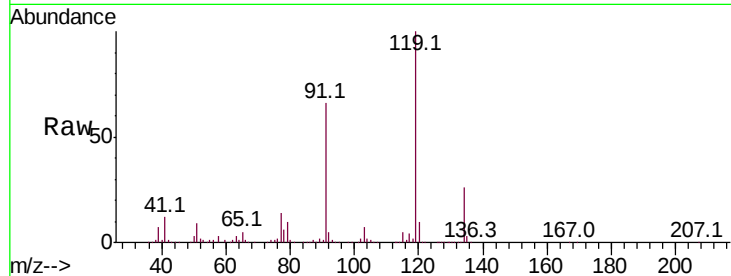




#83
tert-Butylbenzene
Concen: 50.997 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

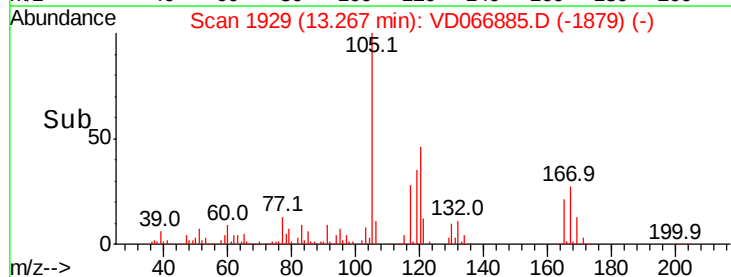
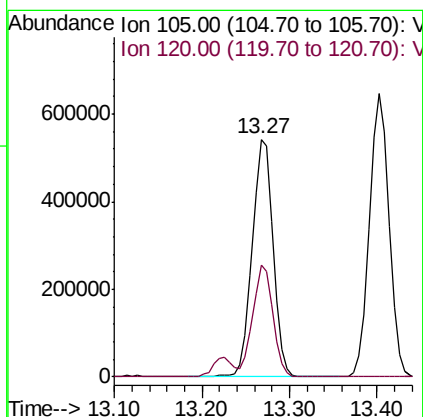
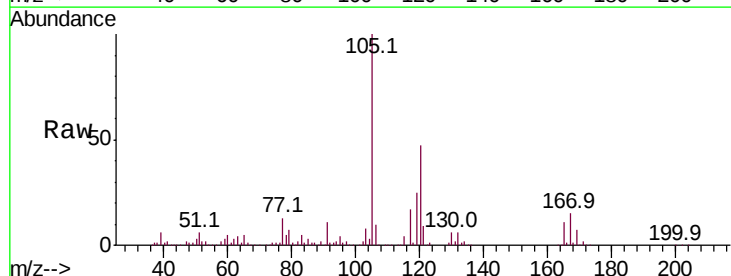
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

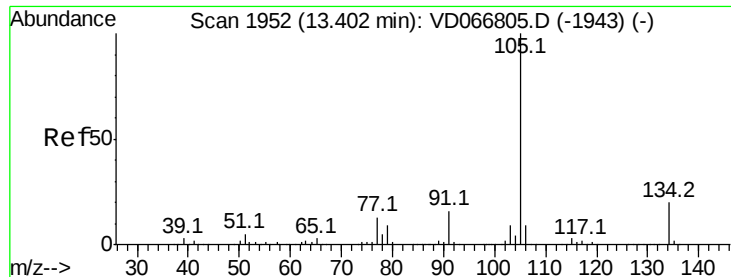
Tot Ion:119 Resp: 728267
Ion Ratio Lower Upper
119 100
91 64.9 33.6 100.8
134 26.7 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 50.833 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Tgt Ion:105 Resp: 876001
Ion Ratio Lower Upper
105 100
120 45.3 22.3 66.9





#85

sec-Butylbenzene

Concen: 49.279 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

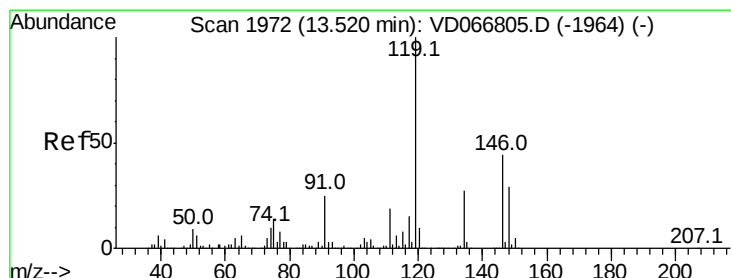
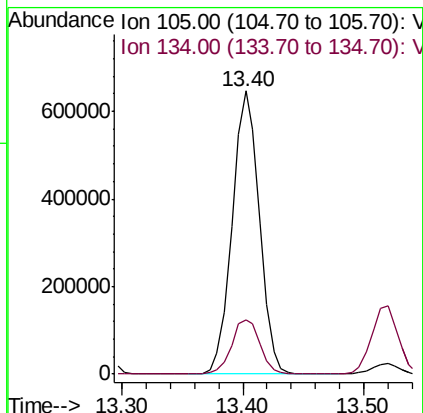
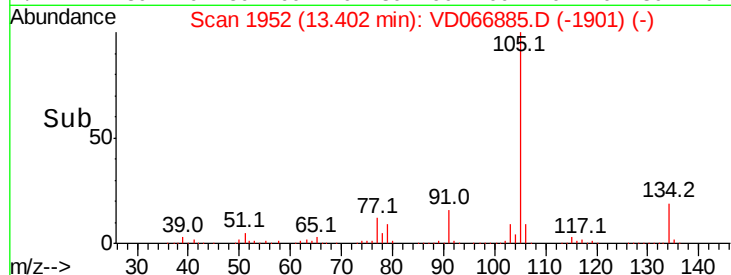
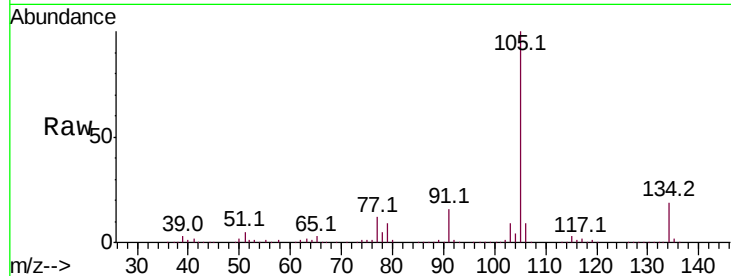
VSTDCCC050EC

Tot Ion:105 Resp: 1011973

Ion Ratio Lower Upper

105 100

134 19.9 10.2 30.6



#86

p-Isopropyltoluene

Concen: 50.439 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

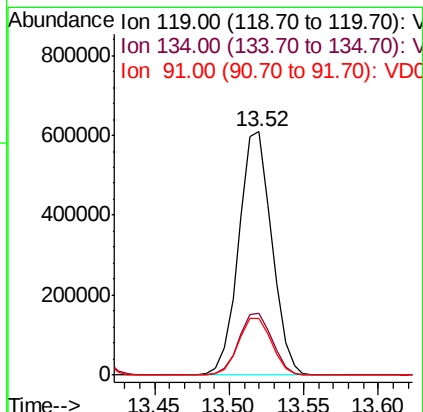
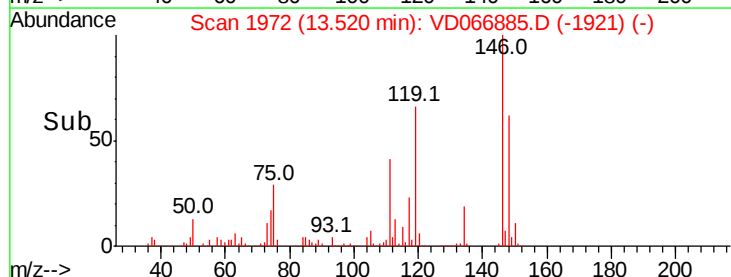
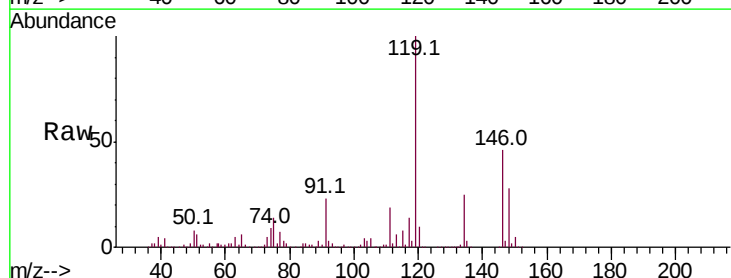
Tgt Ion:119 Resp: 933659

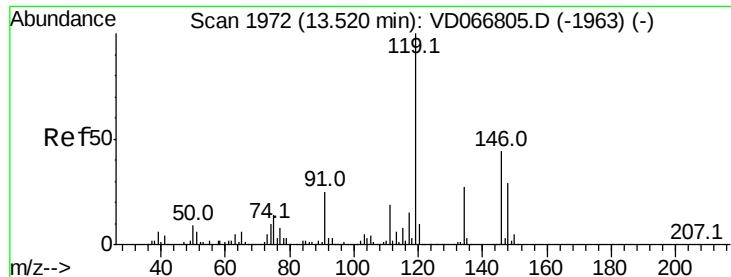
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.5 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 49.388 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

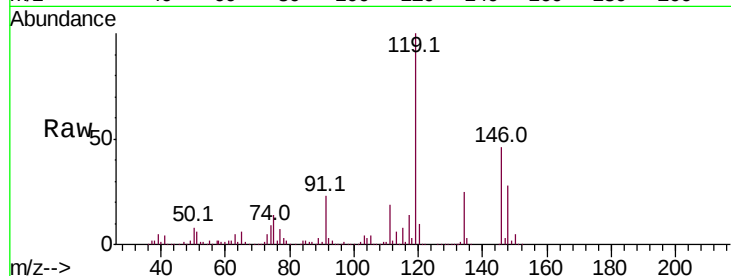
Tot Ion:146 Resp: 467392

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.9

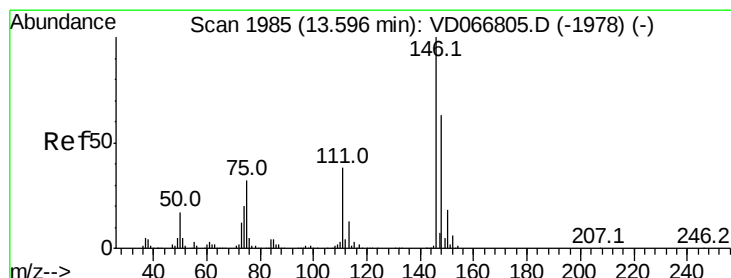
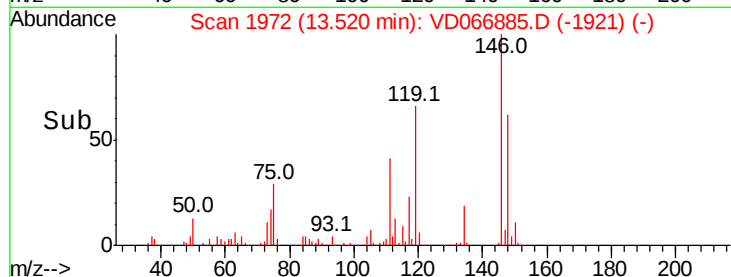
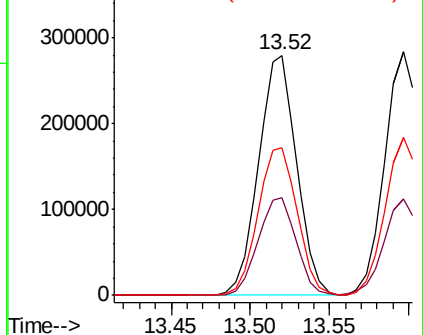
148 63.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.043 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD066885.D

Acq: 25 Sep 2020 20:18

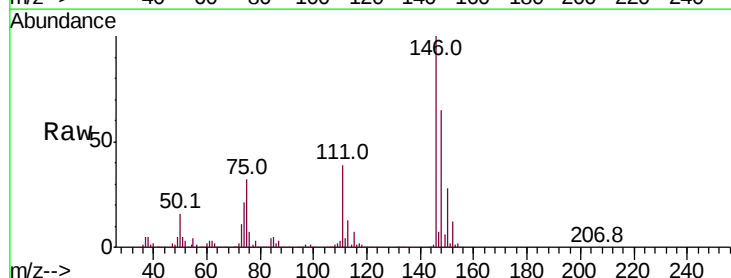
Tgt Ion:146 Resp: 460972

Ion Ratio Lower Upper

146 100

111 39.5 20.2 60.5

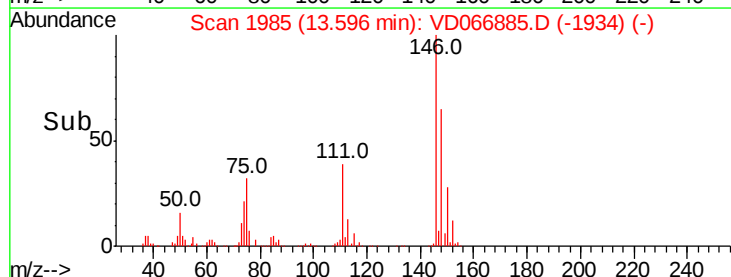
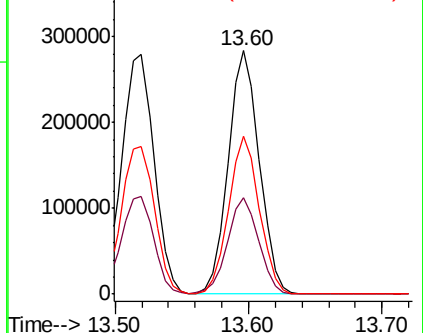
148 64.1 31.6 94.7

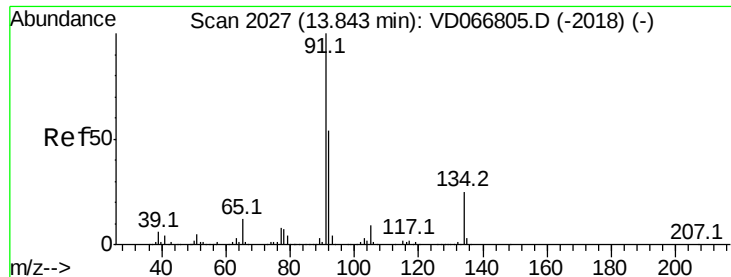


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

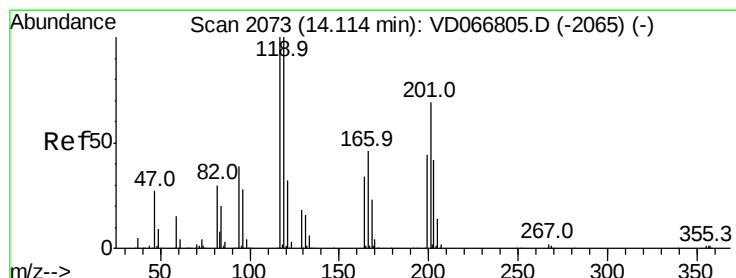
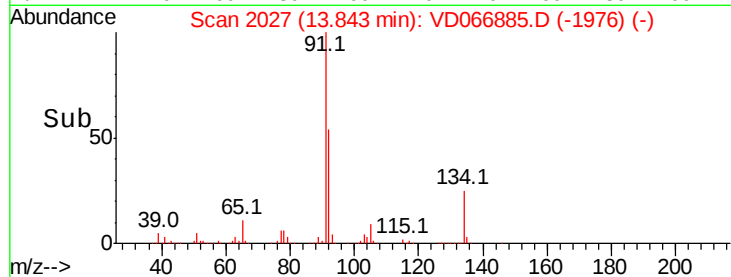
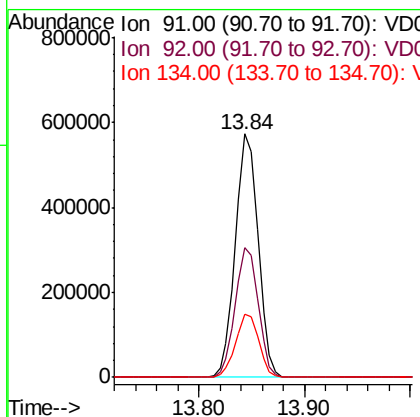
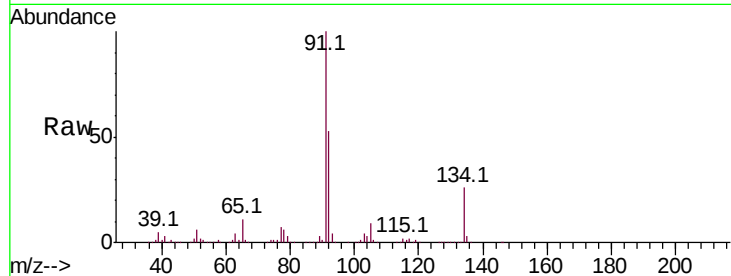




#89
n-Butylbenzene
Concen: 48.385 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

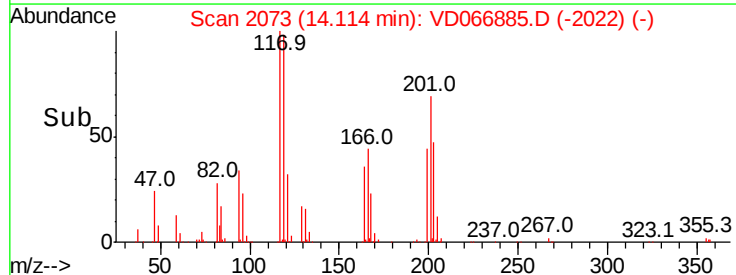
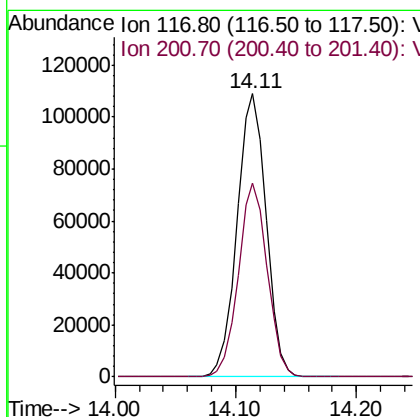
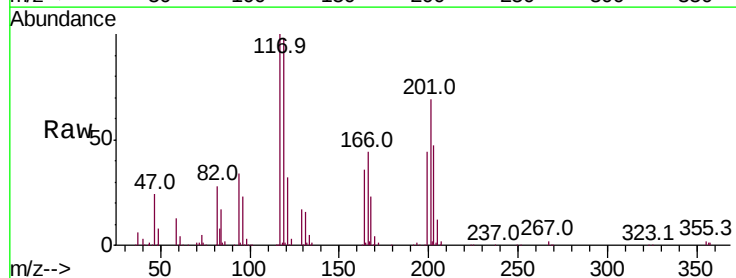
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

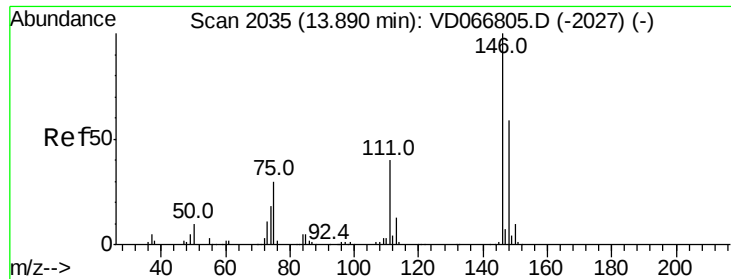
Tot Ion: 91 Resp: 851290
Ion Ratio Lower Upper
91 100
92 53.8 26.7 80.0
134 26.3 13.1 39.1



#90
Hexachloroethane
Concen: 48.766 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Tgt Ion: 117 Resp: 183264
Ion Ratio Lower Upper
117 100
201 68.0 33.7 101.0

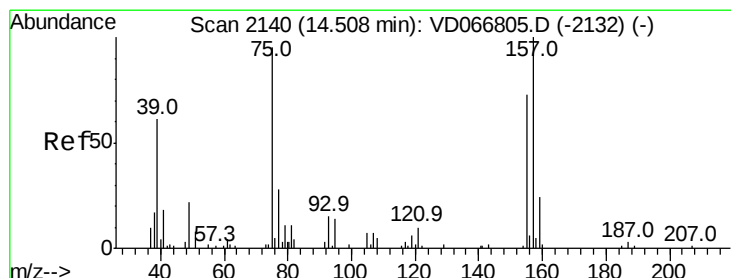
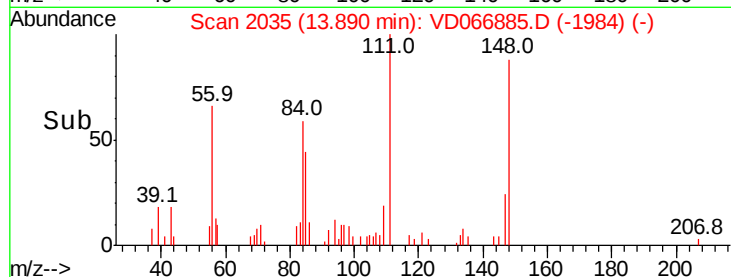
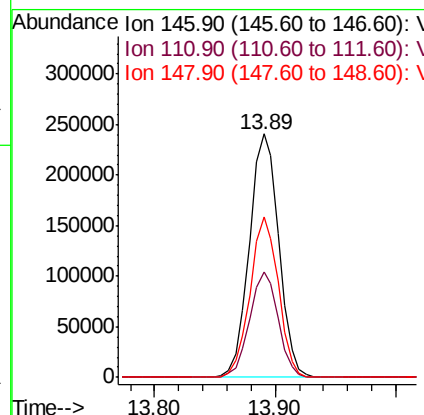
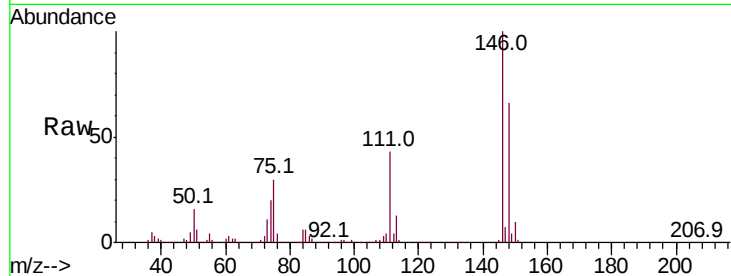




#91
 1,2-Dichlorobenzene
 Concen: 50.508 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

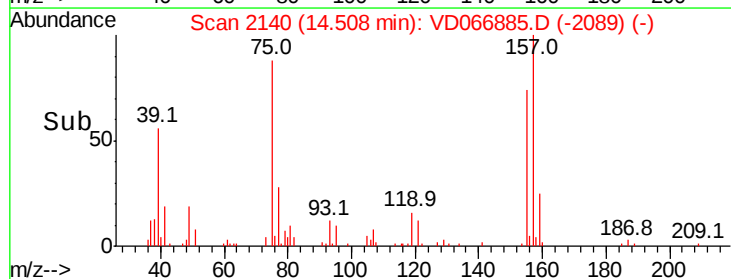
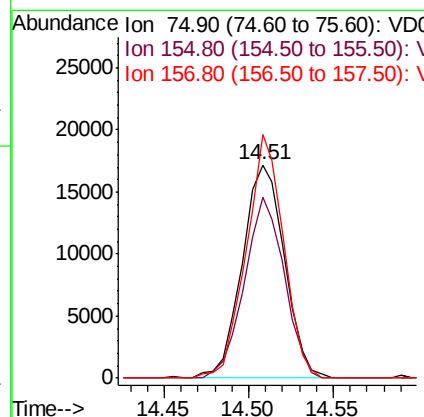
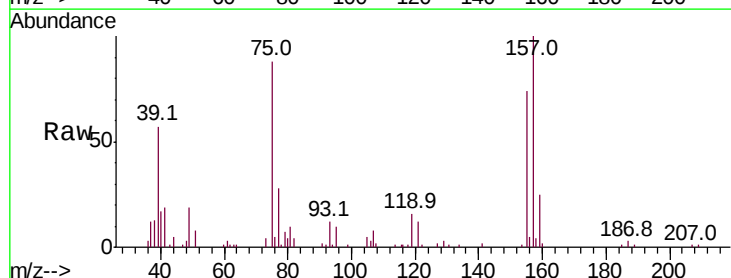
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

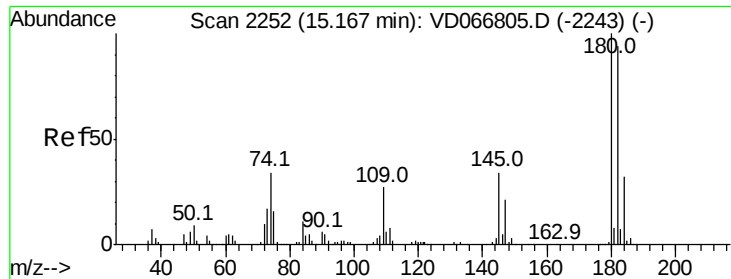
Tot Ion:146 Resp: 408939
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.9 62.7
 148 63.7 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.434 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Tgt Ion: 75 Resp: 29810
 Ion Ratio Lower Upper
 75 100
 155 80.1 40.4 121.2
 157 101.6 51.3 153.9

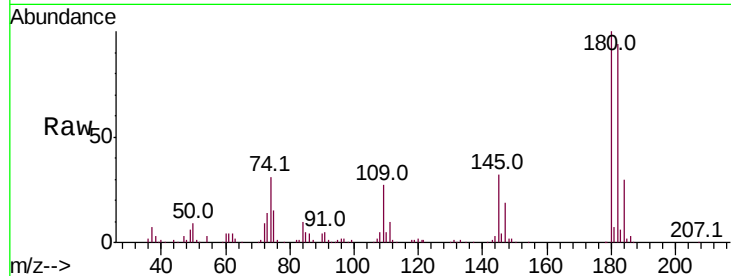




#93
 1,2,4-Trichlorobenzene
 Concen: 51.901 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	48.8	146.3
145	31.6	16.7	50.0

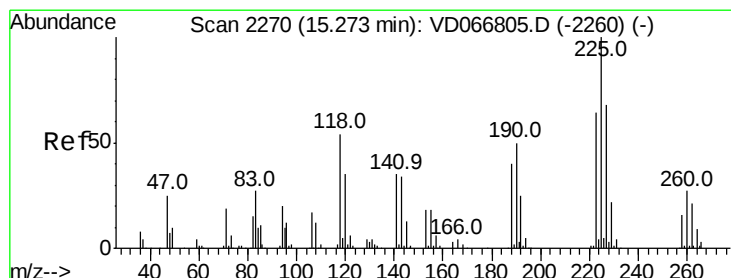
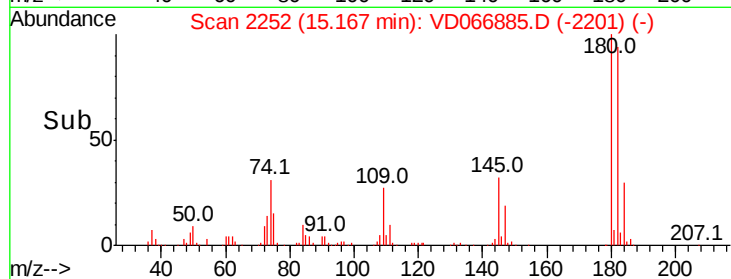
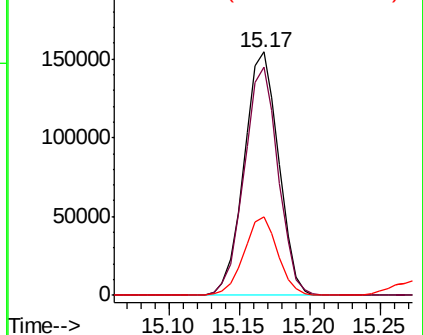


Abundance

Ion 179.80 (179.50 to 180.50): V

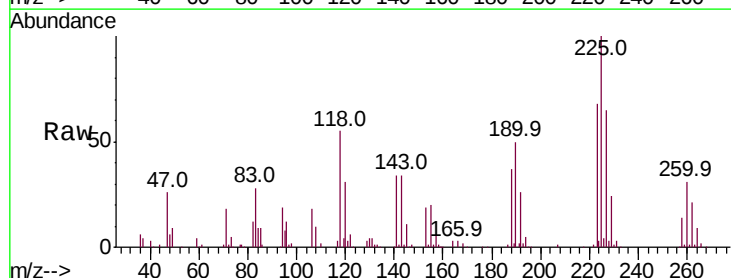
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.290 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066885.D
 Acq: 25 Sep 2020 20:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.1	93.3
227	63.0	31.7	95.1

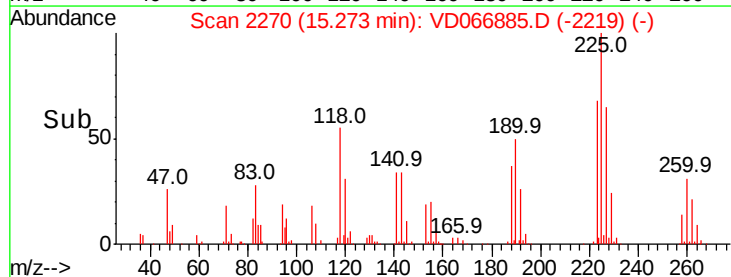
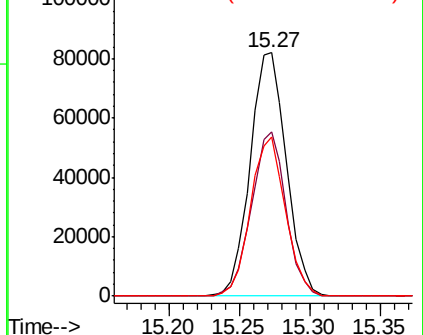


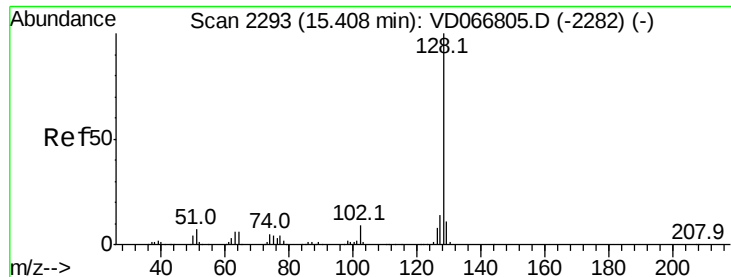
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

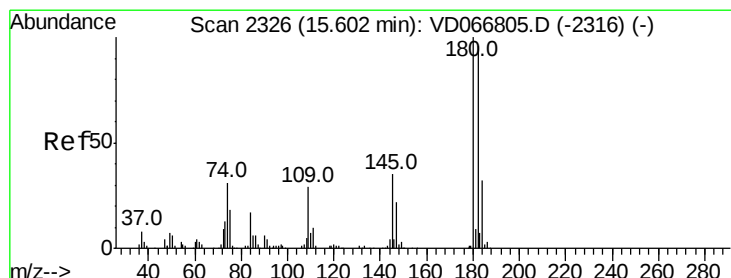
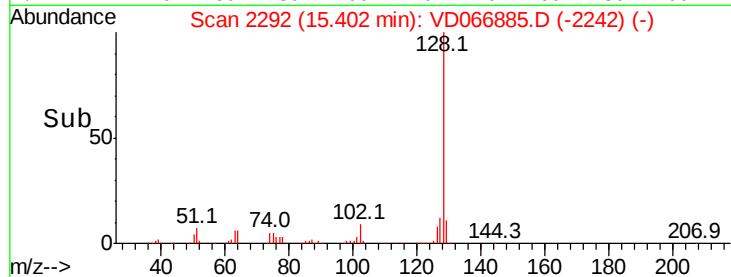
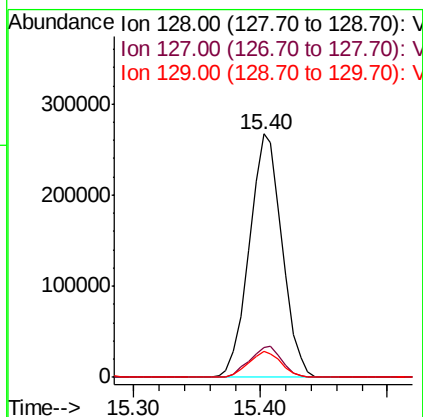
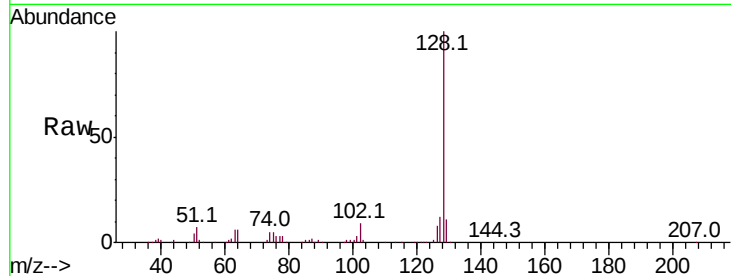




#95
Naphthalene
Concen: 55.425 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 479610
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.180 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066885.D
Acq: 25 Sep 2020 20:18

Tgt Ion:180 Resp: 229548
Ion Ratio Lower Upper
180 100
182 95.7 46.8 140.3
145 33.9 17.0 51.0

