

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
 Data File : VD063891.D
 Acq On : 04 Oct 2019 18:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 05 02:20:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	199627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	311390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	317314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	173256	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	93686	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	7.92	113	95144	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.34	98	385951	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.63	95	133041	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	61159	43.200	ug/l	92
3) Chloromethane	2.21	50	202094	46.610	ug/l	94
4) Vinyl Chloride	2.35	62	220434	48.176	ug/l	95
5) Bromomethane	2.77	94	137639	46.790	ug/l	96
6) Chloroethane	2.93	64	143786	47.517	ug/l	96
7) Trichlorofluoromethane	3.27	101	289111	47.790	ug/l	99
8) Diethyl Ether	3.71	74	48503	49.951	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81076	48.416	ug/l	96
10) Methyl Iodide	4.30	142	117116	50.755	ug/l	99
11) Tert butyl alcohol	5.24	59	33810	245.261	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	79590	47.572	ug/l	96
13) Acrolein	3.92	56	38977	224.543	ug/l	99
14) Allyl chloride	4.71	41	132835	47.756	ug/l	100
15) Acrylonitrile	5.43	53	108655	253.807	ug/l	97
16) Acetone	4.17	43	111347	220.052	ug/l	98
17) Carbon Disulfide	4.40	76	286378	47.089	ug/l #	94
18) Methyl Acetate	4.72	43	47465	47.960	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	215199	49.673	ug/l	100
20) Methylene Chloride	4.97	84	113039	43.527	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	100856	48.425	ug/l	95
22) Diisopropyl ether	6.37	45	285094	50.186	ug/l	96
23) Vinyl Acetate	6.31	43	856704	253.506	ug/l	98
24) 1,1-Dichloroethane	6.27	63	174430	49.850	ug/l	96
25) 2-Butanone	7.22	43	143066	238.575	ug/l	98
26) 2,2-Dichloropropane	7.21	77	157936	49.896	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	116887	49.583	ug/l	97
28) Bromochloromethane	7.55	49	71051	54.193	ug/l	97
29) Tetrahydrofuran	7.57	42	83724	239.201	ug/l	97
30) Chloroform	7.71	83	185807	48.890	ug/l	97
31) Cyclohexane	7.98	56	149483	45.560	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	164381	50.422	ug/l	97
36) 1,1-Dichloropropene	8.11	75	142123	49.918	ug/l	97
37) Ethyl Acetate	7.30	43	61670	47.729	ug/l	98
38) Carbon Tetrachloride	8.09	117	145784	50.670	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
 Data File : VD063891.D
 Acq On : 04 Oct 2019 18:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Oct 05 02:20:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 04 01:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	173747	49.632	ug/l	94
40) Benzene	8.36	78	417755	51.202	ug/l	99
41) Methacrylonitrile	7.53	41	27448	41.582	ug/l	91
42) 1,2-Dichloroethane	8.43	62	119282	50.541	ug/l	98
43) Isopropyl Acetate	8.46	43	118615	49.678	ug/l	98
44) Trichloroethene	9.11	130	118275	50.271	ug/l	97
45) 1,2-Dichloropropane	9.39	63	100740	50.445	ug/l	99
46) Dibromomethane	9.48	93	59675	52.469	ug/l	98
47) Bromodichloromethane	9.67	83	148060	50.563	ug/l	96
48) Methyl methacrylate	9.46	41	54573	47.703	ug/l	97
49) 1,4-Dioxane	9.47	88	14280	919.832	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	303796	245.331	ug/l	99
52) Toluene	10.40	92	284952	50.875	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	151068	52.869	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	171927	52.271	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	83933	52.267	ug/l	97
56) Ethyl methacrylate	10.66	69	104220	51.249	ug/l	97
57) 1,3-Dichloropropane	10.95	76	143664	52.288	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	201482	230.497	ug/l	98
59) 2-Hexanone	10.98	43	224771	250.928	ug/l	100
60) Dibromochloromethane	11.14	129	107858	51.590	ug/l	96
61) 1,2-Dibromoethane	11.25	107	81521	52.363	ug/l	99
64) Tetrachloroethene	10.87	164	106169	49.011	ug/l	97
65) Chlorobenzene	11.67	112	326774	51.278	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	119285	50.800	ug/l	96
67) Ethyl Benzene	11.74	91	578483	50.343	ug/l	100
68) m/p-Xylenes	11.85	106	446139	100.590	ug/l	100
69) o-Xylene	12.18	106	213412	50.251	ug/l	96
70) Styrene	12.19	104	370312	51.508	ug/l	100
71) Bromoform	12.36	173	67873	53.860	ug/l #	97
73) Isopropylbenzene	12.48	105	557519	47.867	ug/l	98
74) N-amyl acetate	12.29	43	117211	46.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	97213	47.965	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	118228	101.884	ug/l #	100
77) Bromobenzene	12.76	156	139969	48.235	ug/l	98
78) n-propylbenzene	12.82	91	671577	49.123	ug/l	100
79) 2-Chlorotoluene	12.91	91	360118	47.772	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	476162	49.003	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	32738	49.924	ug/l	95
82) 4-Chlorotoluene	13.01	91	386097	48.282	ug/l	98
83) tert-Butylbenzene	13.23	119	419002	48.452	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	493278	49.242	ug/l	100
85) sec-Butylbenzene	13.40	105	569109	48.731	ug/l	100
86) p-Isopropyltoluene	13.51	119	551206	49.878	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	279364	48.724	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	278313	49.203	ug/l	98
89) n-Butylbenzene	13.84	91	508698	49.452	ug/l	98
90) Hexachloroethane	14.11	117	96067	48.333	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	243542	49.289	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15894	45.329	ug/l	93

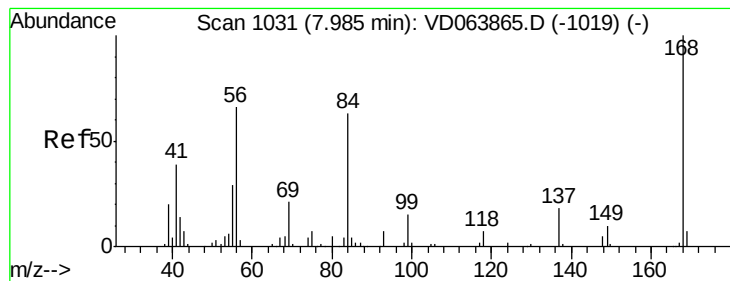
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100419\
Data File : VD063891.D
Acq On : 04 Oct 2019 18:06
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00g/5.00mL/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 05 02:20:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 04 01:55:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	189721	49.761	ug/l	99
94) Hexachlorobutadiene	15.27	225	102046	48.502	ug/l	95
95) Naphthalene	15.40	128	327810	51.155	ug/l	100
96) 1,2,3-Trichlorobenzene	15.59	180	166170	50.515	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

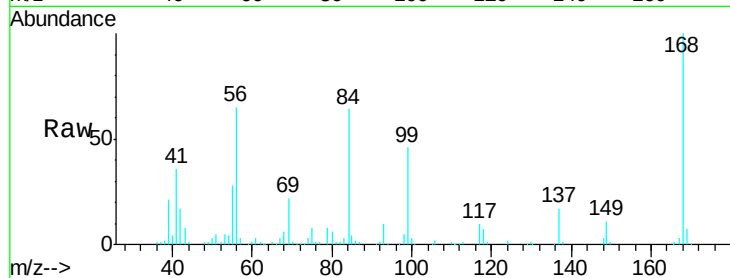
VSTDCCC050EC

Tgt Ion: 168 Resp: 199627

Ion Ratio Lower Upper

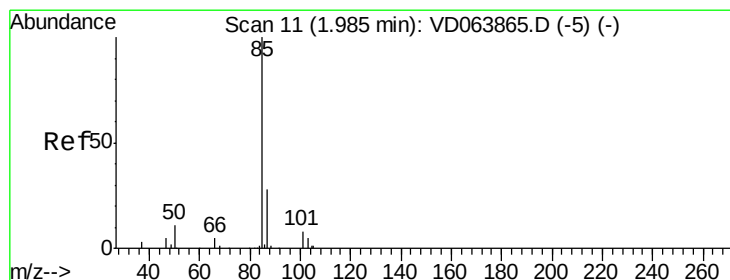
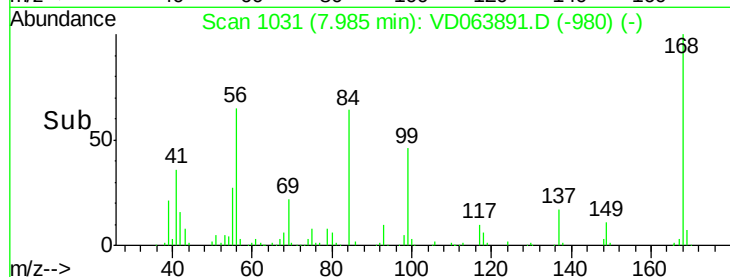
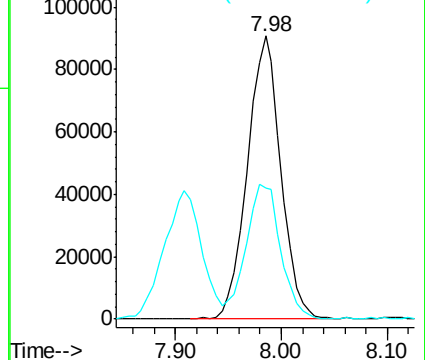
168 100

99 45.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.200 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063891.D

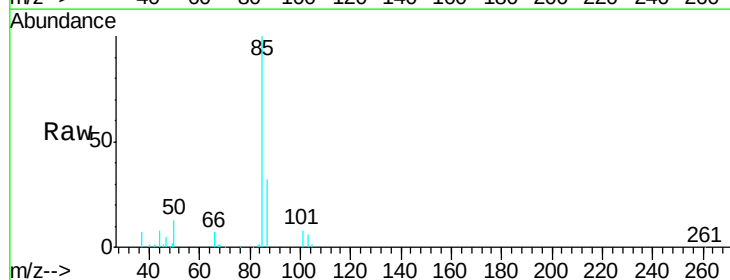
Acq: 04 Oct 2019 18:06

Tgt Ion: 85 Resp: 61159

Ion Ratio Lower Upper

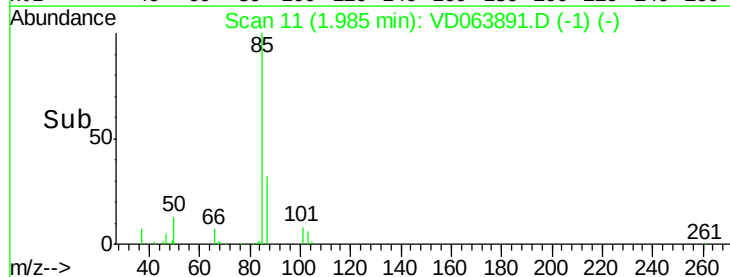
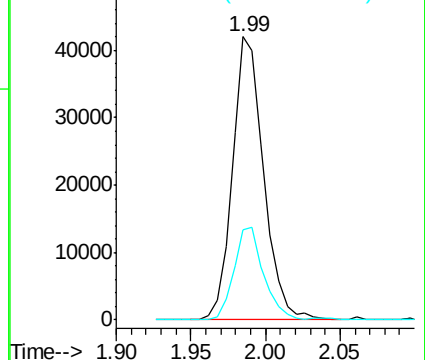
85 100

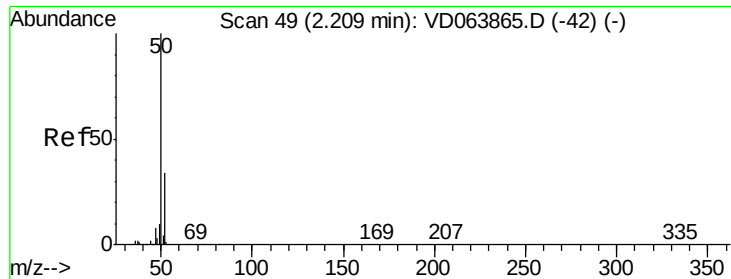
87 32.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.610 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

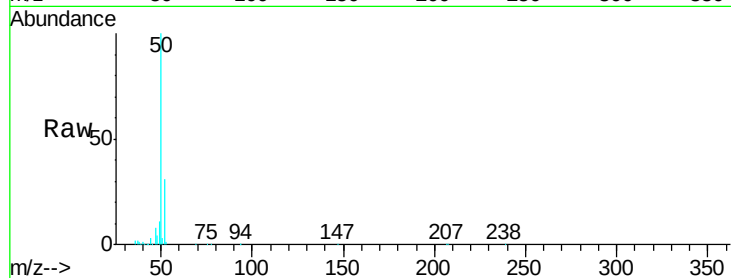
VSTDCCC050EC

Tgt Ion: 50 Resp: 202094

Ion Ratio Lower Upper

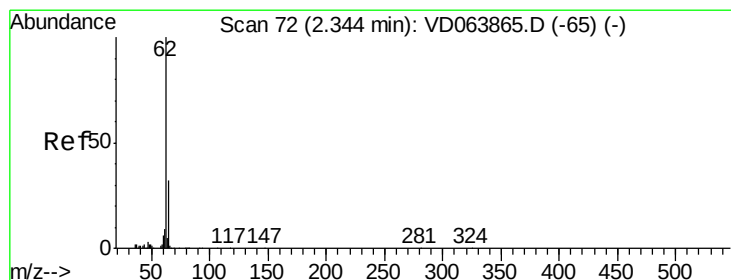
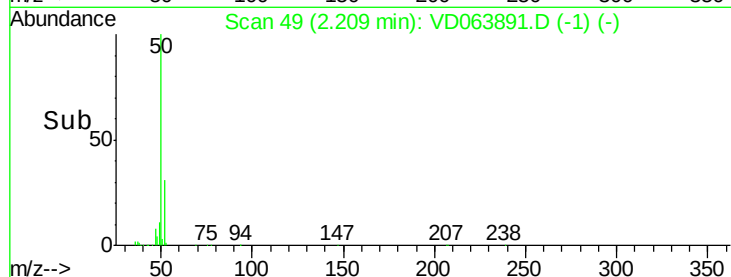
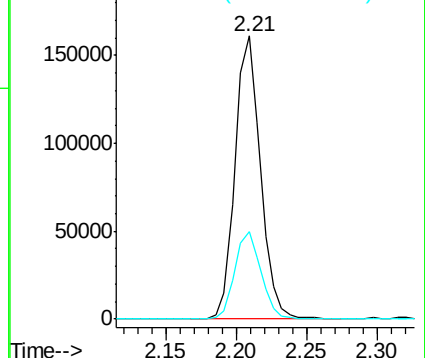
50 100

52 31.0 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.176 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063891.D

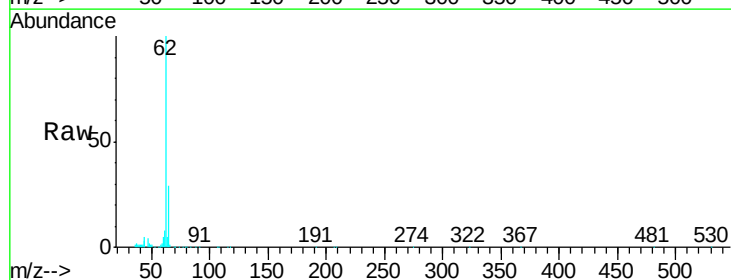
Acq: 04 Oct 2019 18:06

Tgt Ion: 62 Resp: 220434

Ion Ratio Lower Upper

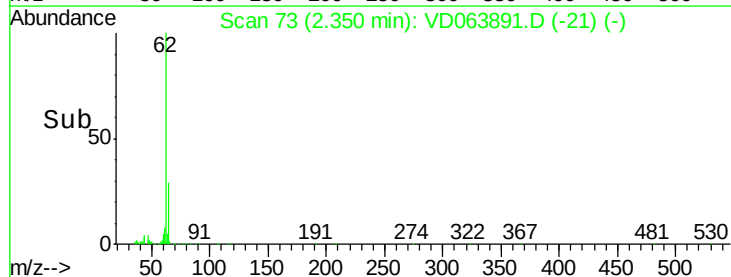
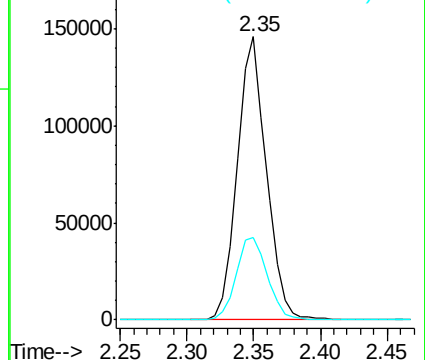
62 100

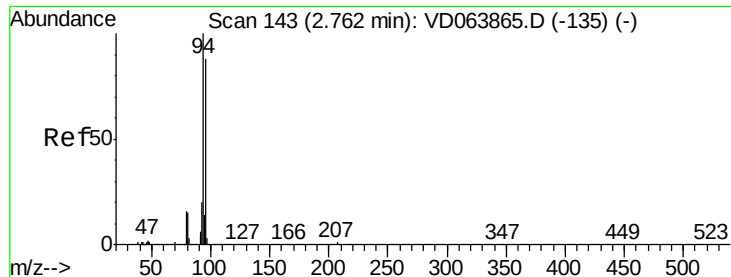
64 29.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.790 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

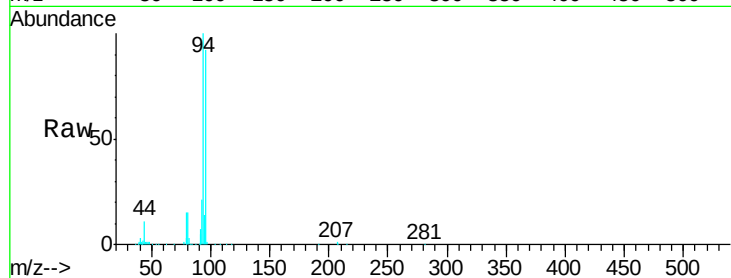
VSTDCCC050EC

Tgt Ion: 94 Resp: 137639

Ion Ratio Lower Upper

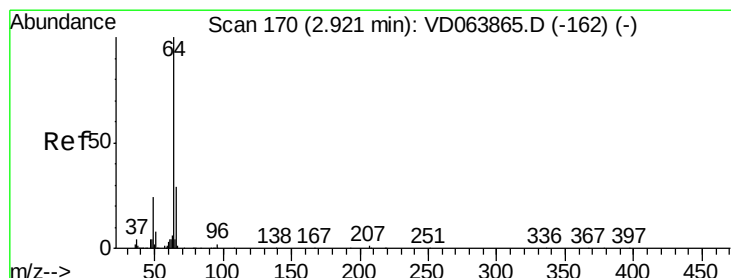
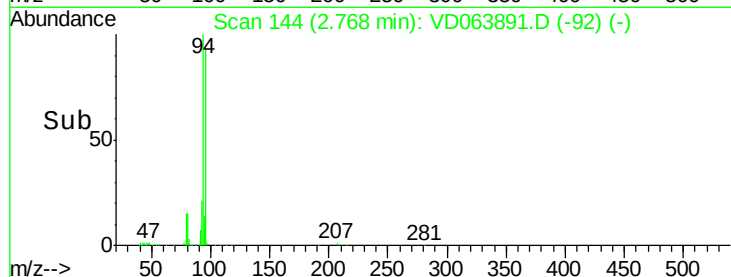
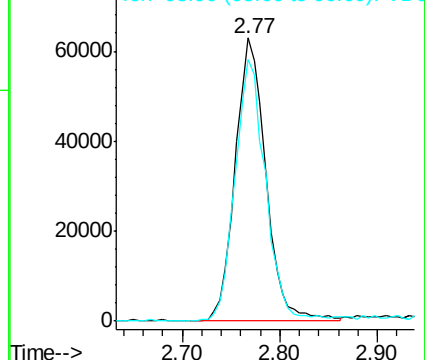
94 100

96 92.3 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.517 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063891.D

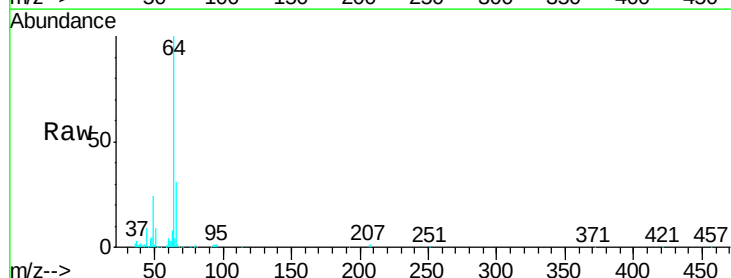
Acq: 04 Oct 2019 18:06

Tgt Ion: 64 Resp: 143786

Ion Ratio Lower Upper

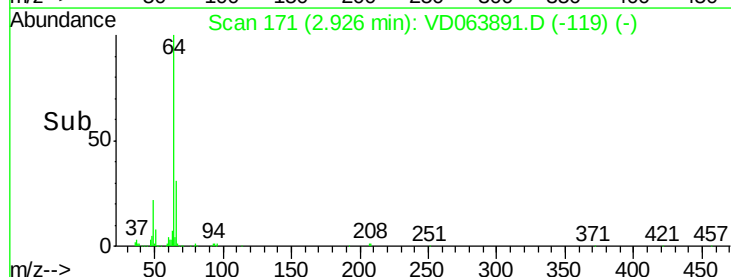
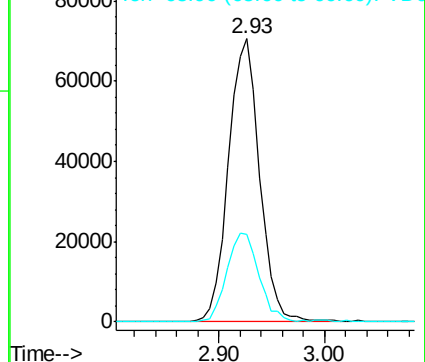
64 100

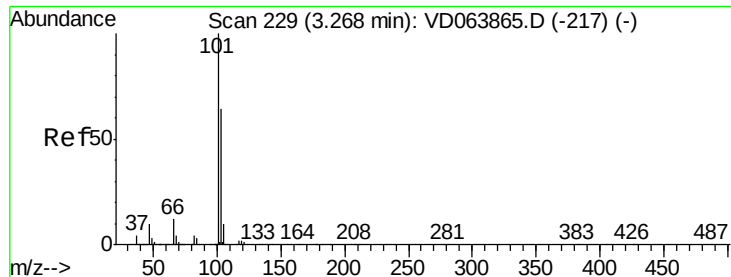
66 30.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



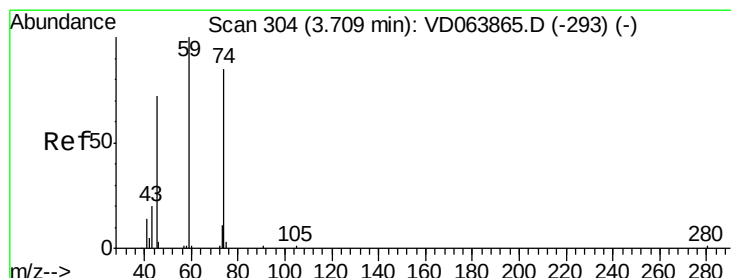
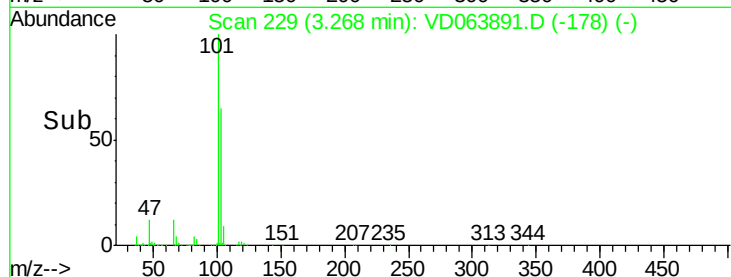
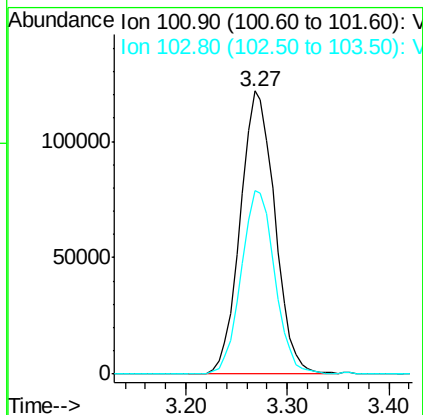
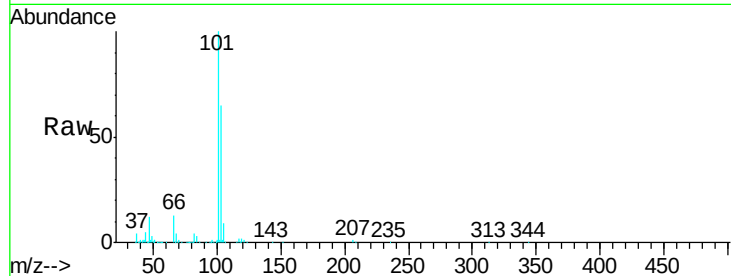


#7

Trichlorofluoromethane
 Concen: 47.790 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

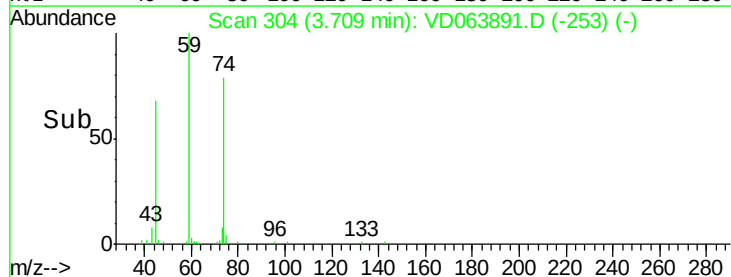
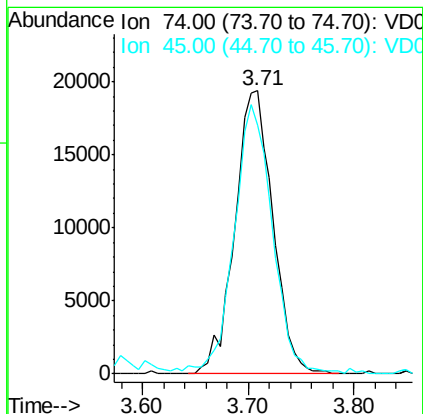
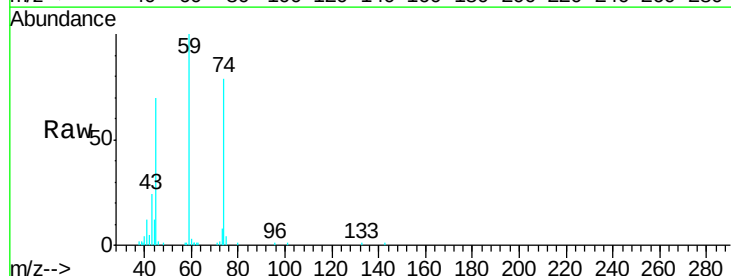
Tgt Ion:101 Resp: 289111
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.1 76.7

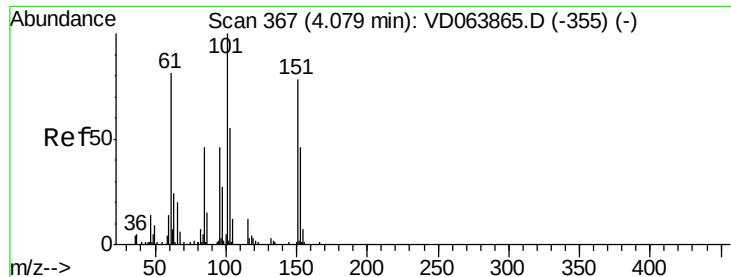


#8

Diethyl Ether
 Concen: 49.951 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 74 Resp: 48503
 Ion Ratio Lower Upper
 74 100
 45 96.0 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.416 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

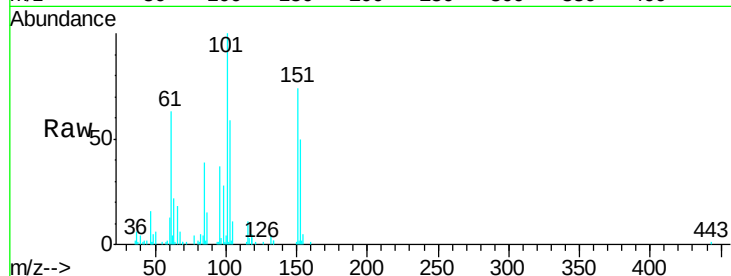
Tgt Ion:101 Resp: 81076

Ion Ratio Lower Upper

101 100

85 43.9 37.5 56.3

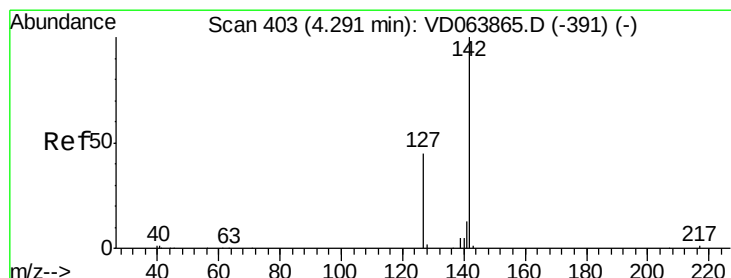
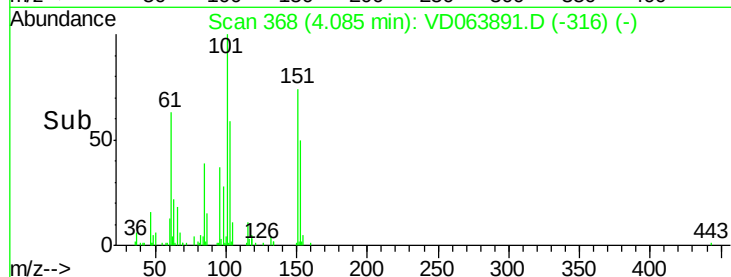
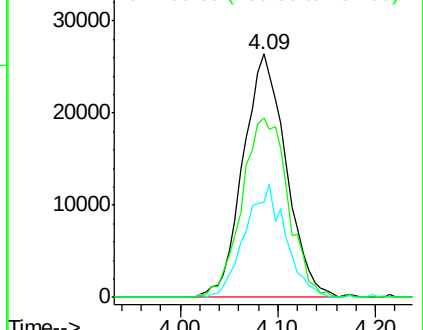
151 79.2 65.5 98.3



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: 50.755 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

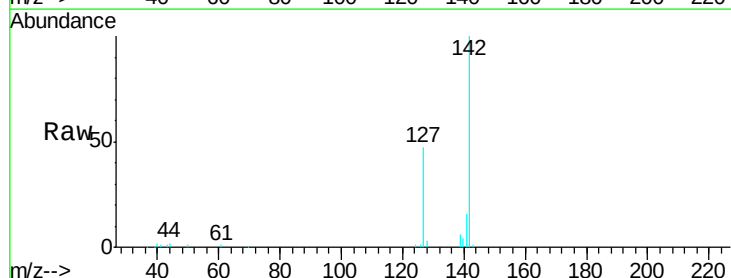
Tgt Ion:142 Resp: 117116

Ion Ratio Lower Upper

142 100

127 44.2 35.3 52.9

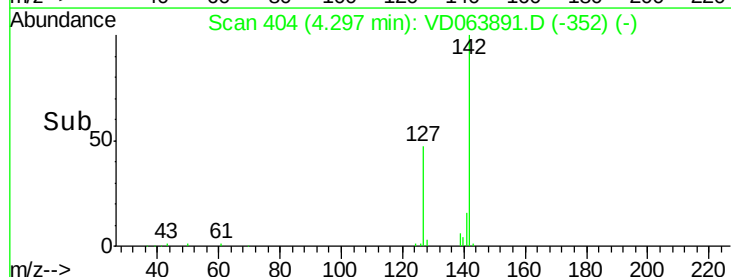
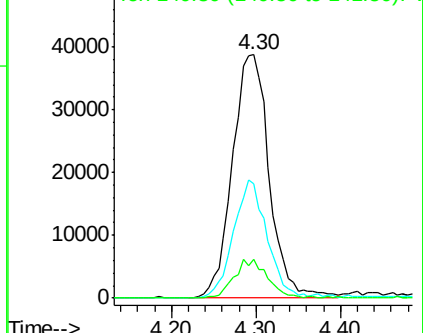
141 14.3 12.2 18.2

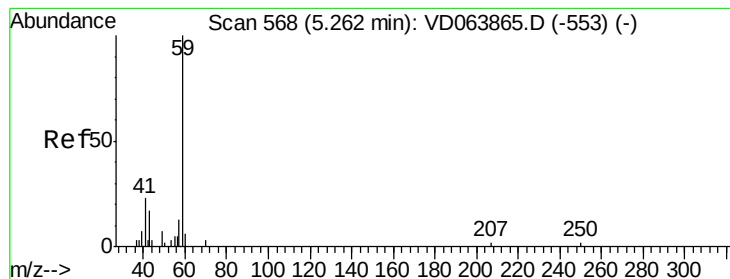


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



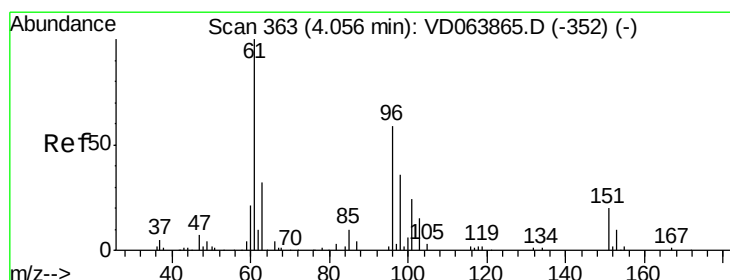
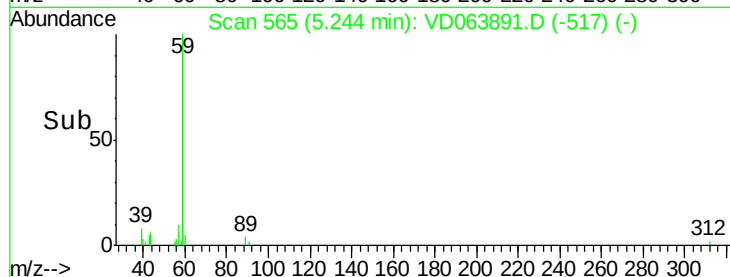
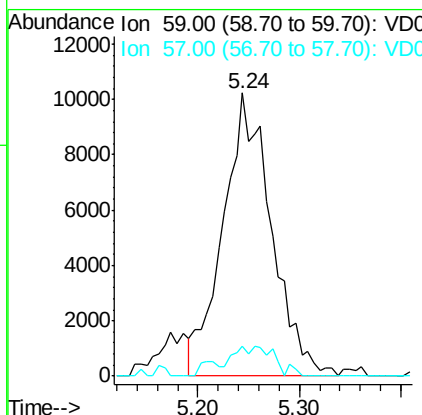
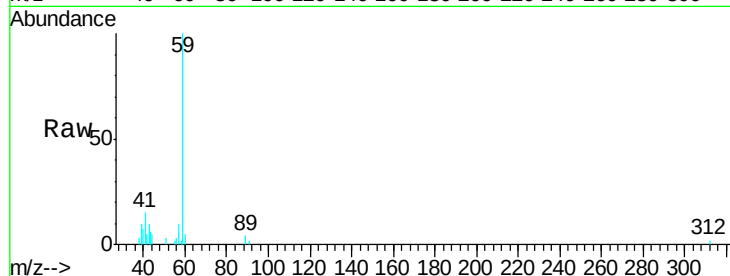


#11

Tert butyl alcohol
 Concen: 245.261 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

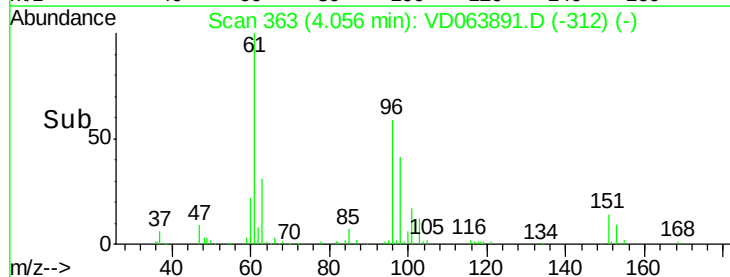
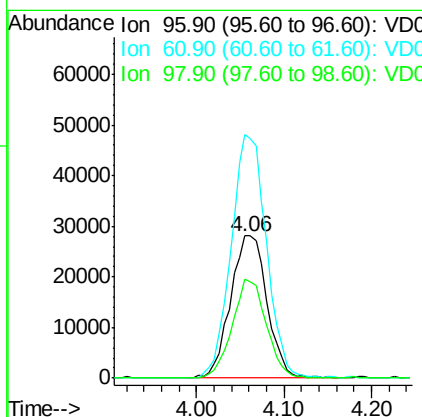
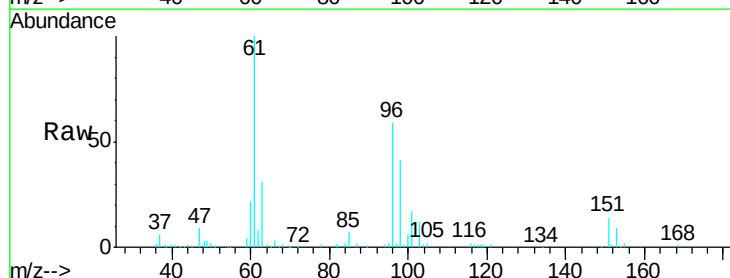
Tgt Ion: 59 Resp: 33810
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.8 13.2#

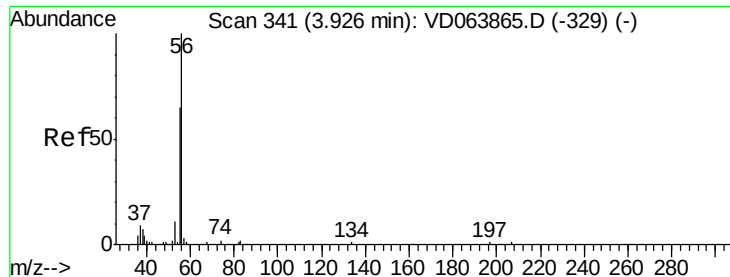


#12

1,1-Dichloroethene
 Concen: 47.572 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 96 Resp: 79590
 Ion Ratio Lower Upper
 96 100
 61 170.9 135.6 203.4
 98 69.4 49.2 73.8





#13

Acrolein

Concen: 224.543 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

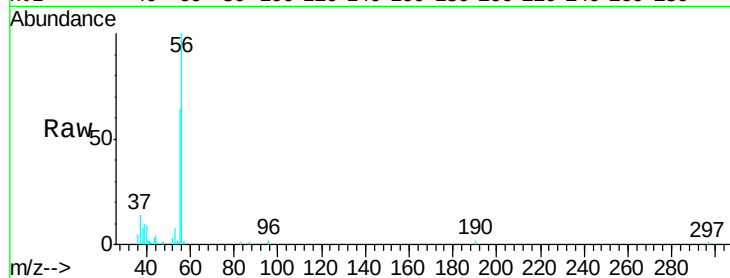
VSTDCCC050EC

Tgt Ion: 56 Resp: 38977

Ion Ratio Lower Upper

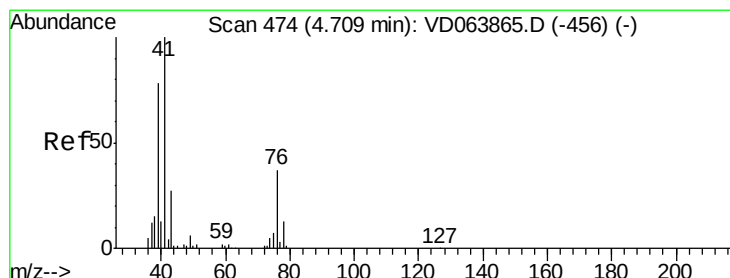
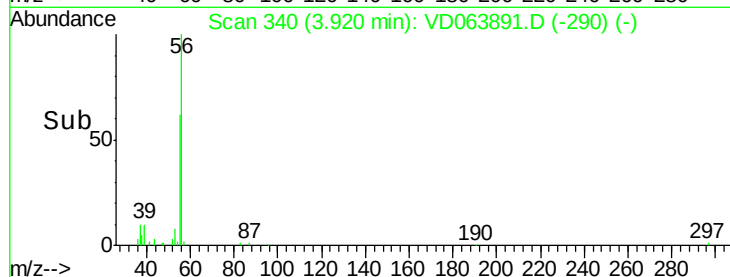
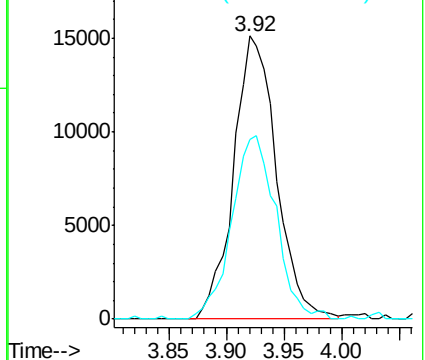
56 100

55 66.9 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.756 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

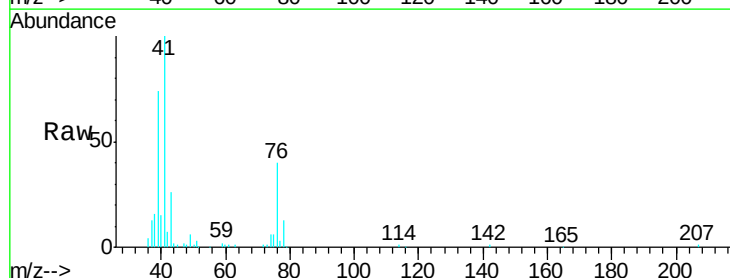
Tgt Ion: 41 Resp: 132835

Ion Ratio Lower Upper

41 100

39 77.6 61.8 92.6

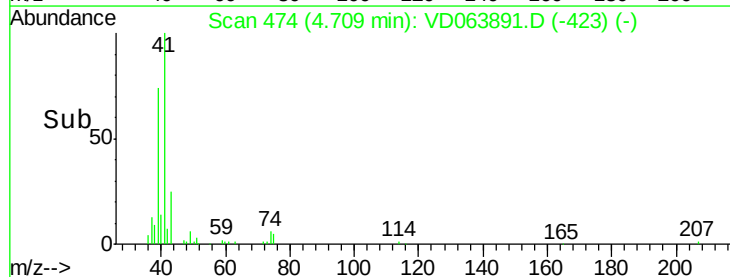
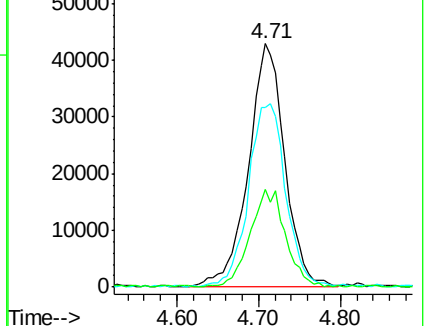
76 39.2 31.3 46.9

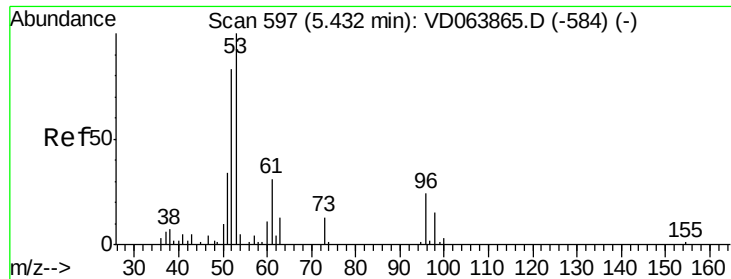


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 253.807 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

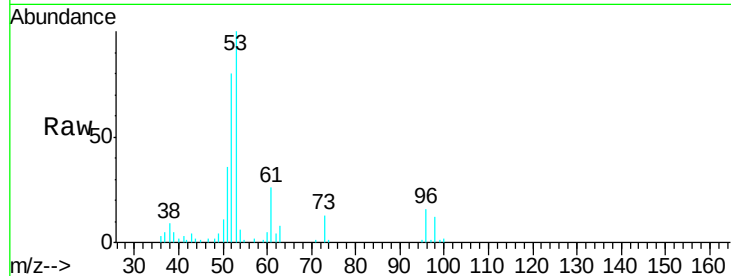
Tgt Ion: 53 Resp: 108655

Ion Ratio Lower Upper

53 100

52 80.6 67.3 100.9

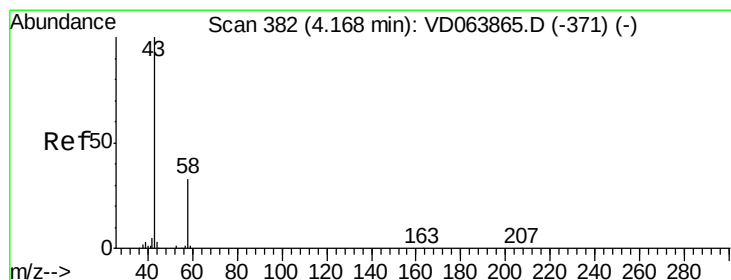
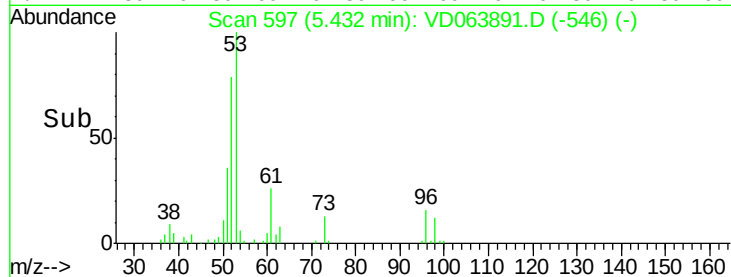
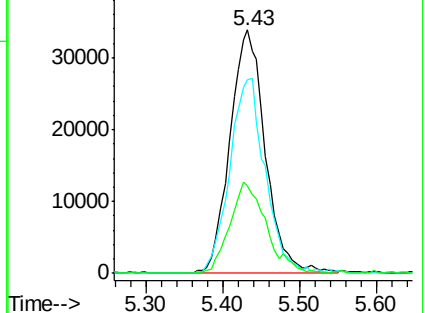
51 38.6 30.5 45.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 220.052 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063891.D

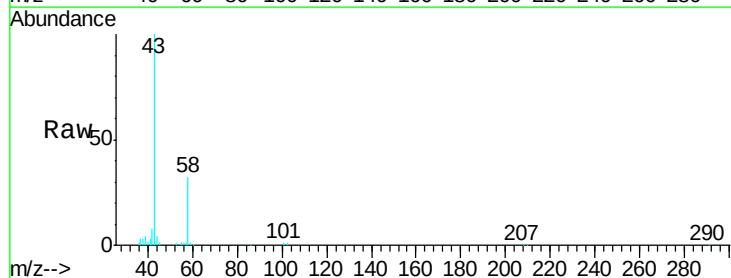
Acq: 04 Oct 2019 18:06

Tgt Ion: 43 Resp: 111347

Ion Ratio Lower Upper

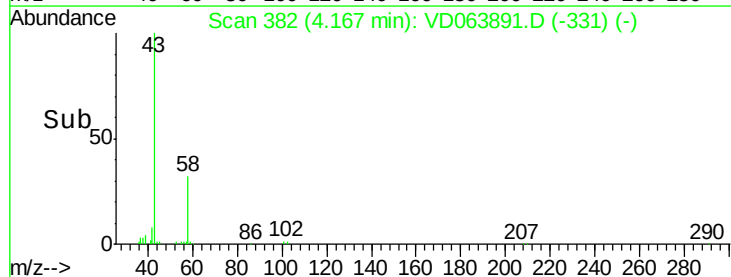
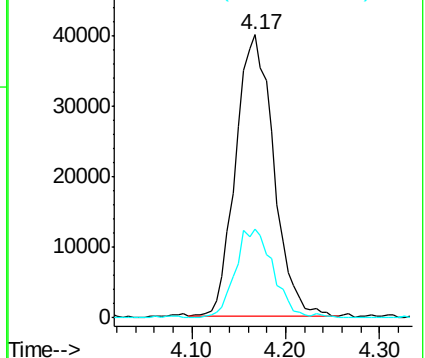
43 100

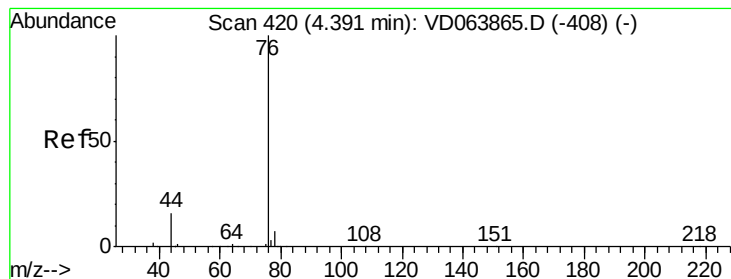
58 31.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 47.089 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

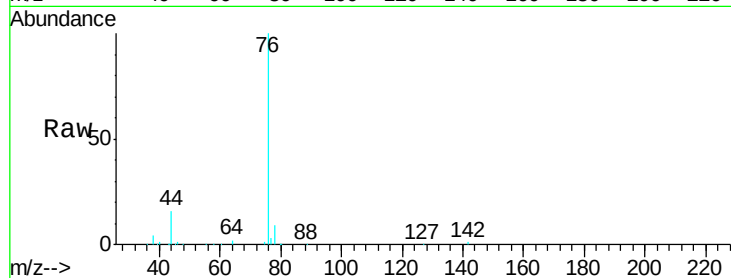
VSTDCCC050EC

Tgt Ion: 76 Resp: 286378

Ion Ratio Lower Upper

76 100

78 9.4 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

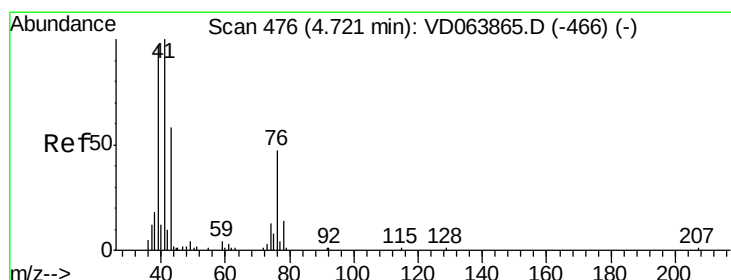
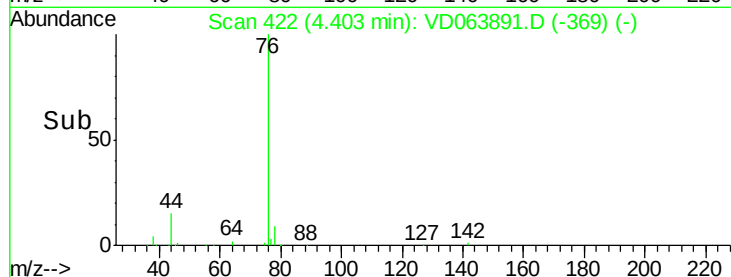
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.960 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD063891.D

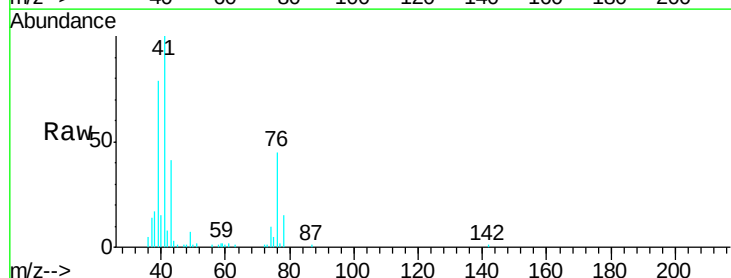
Acq: 04 Oct 2019 18:06

Tgt Ion: 43 Resp: 47465

Ion Ratio Lower Upper

43 100

74 26.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

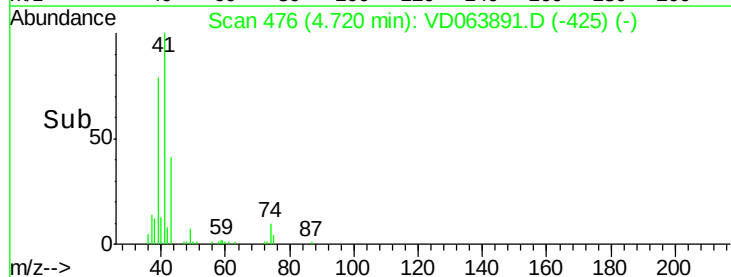
15000

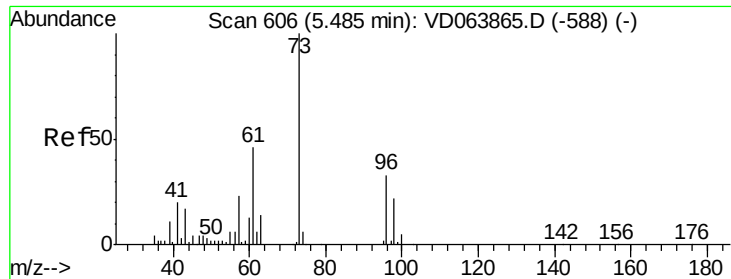
10000

5000

0

Time-->

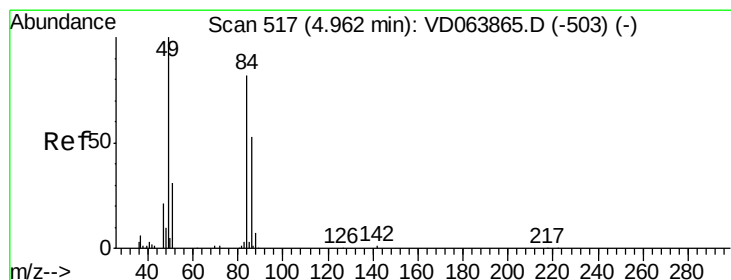
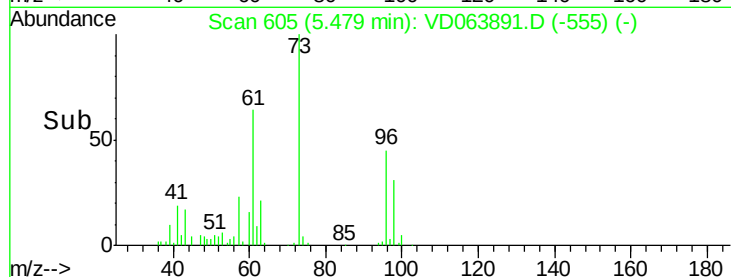
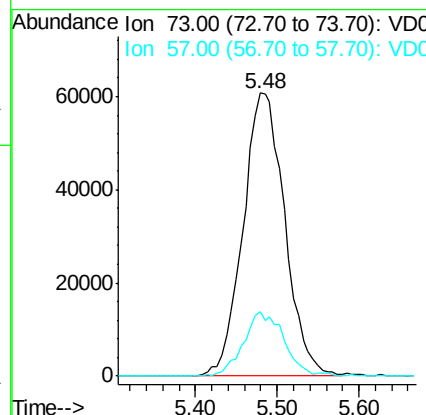
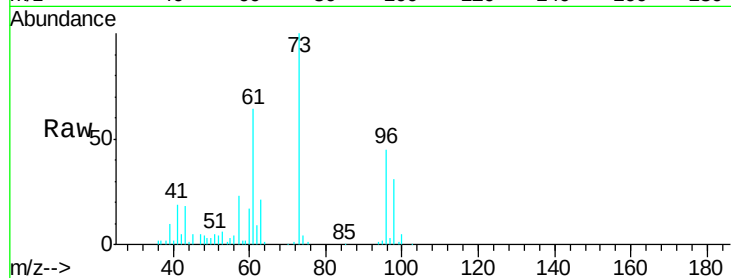




#19
Methyl tert-butyl Ether
Concen: 49.673 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

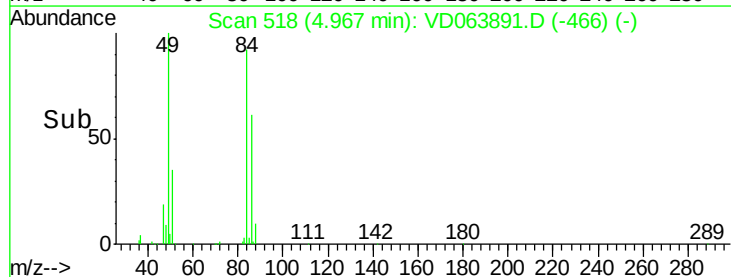
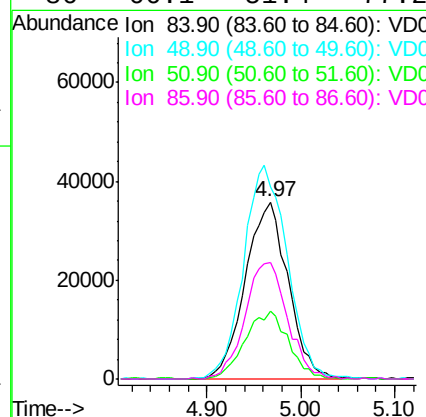
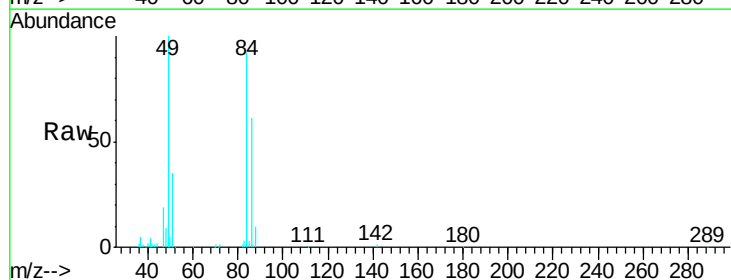
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

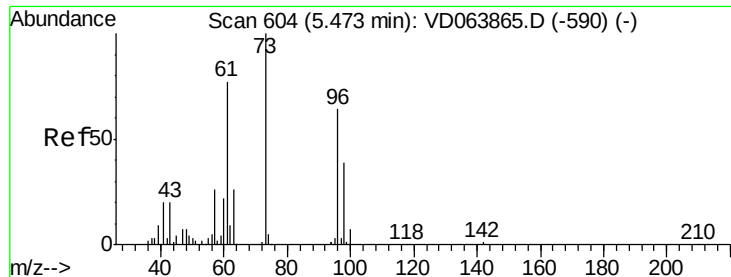
Tgt Ion: 73 Resp: 215199
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1



#20
Methylene Chloride
Concen: 43.527 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion: 84 Resp: 113039
Ion Ratio Lower Upper
84 100
49 108.1 97.3 145.9
51 38.5 30.1 45.1
86 66.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.425 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

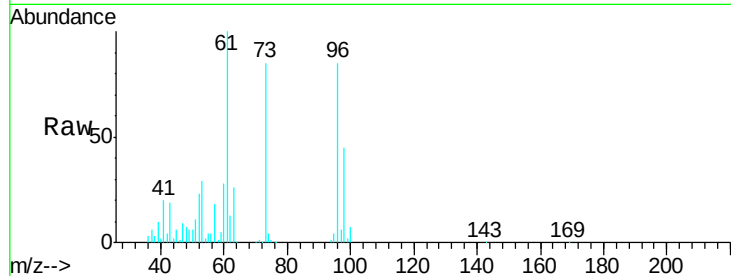
Tgt Ion: 96 Resp: 100856

Ion Ratio Lower Upper

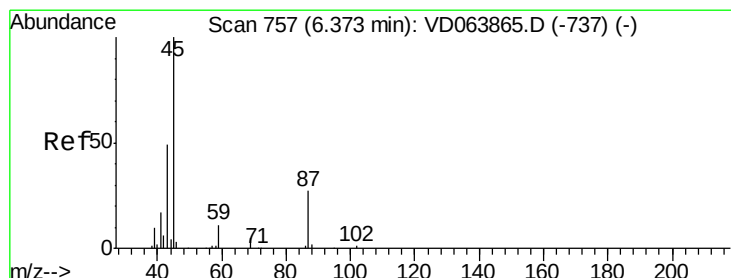
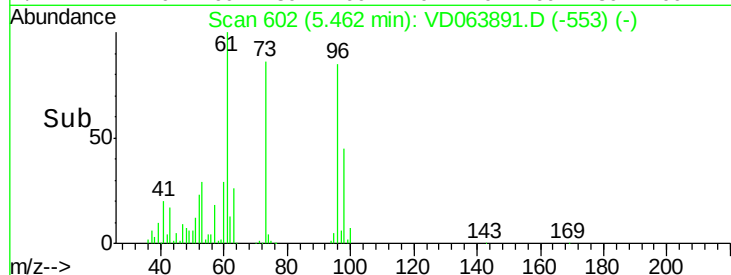
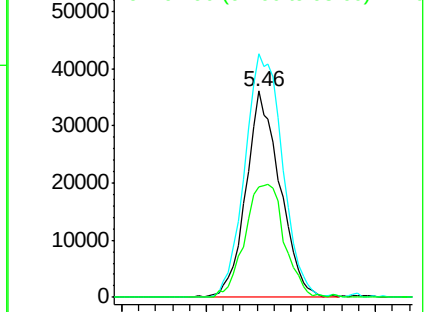
96 100

61 117.5 96.6 145.0

98 53.3 48.7 73.1



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: 50.186 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion: 45 Resp: 285094

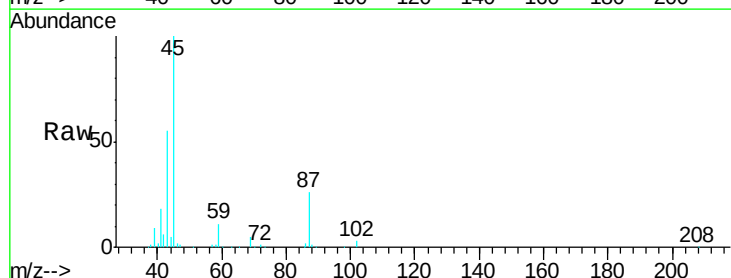
Ion Ratio Lower Upper

45 100

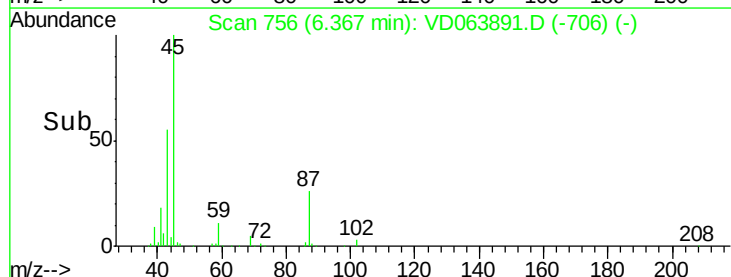
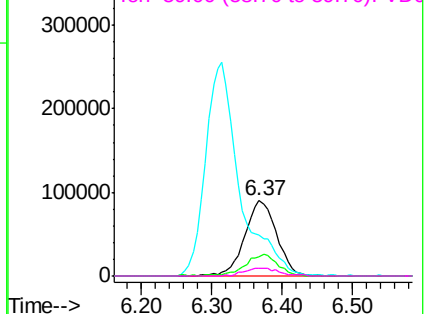
43 54.6 41.2 61.8

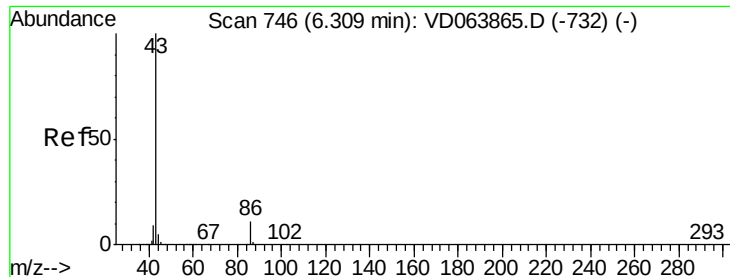
87 25.7 22.2 33.4

59 10.9 9.2 13.8



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: 253.506 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

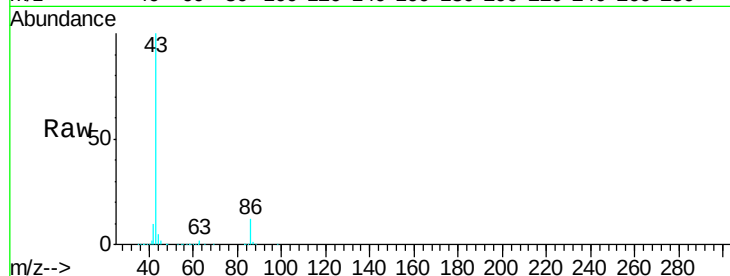
VSTDCCC050EC

Tgt Ion: 43 Resp: 856704

Ion Ratio Lower Upper

43 100

86 11.8 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

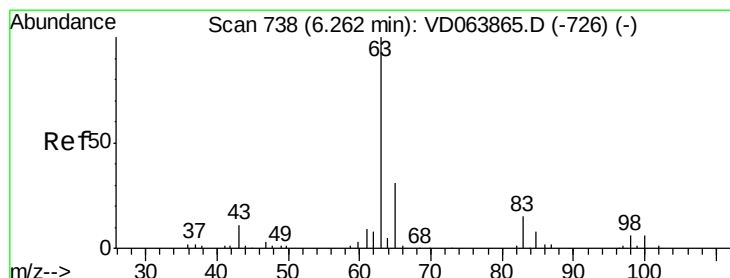
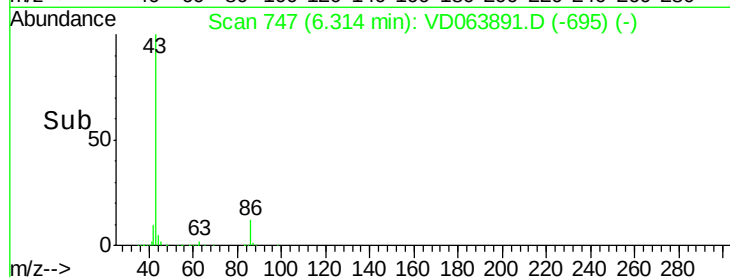
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.850 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

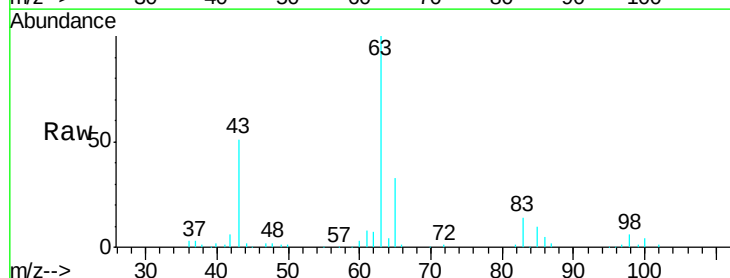
Tgt Ion: 63 Resp: 174430

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 3.6 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

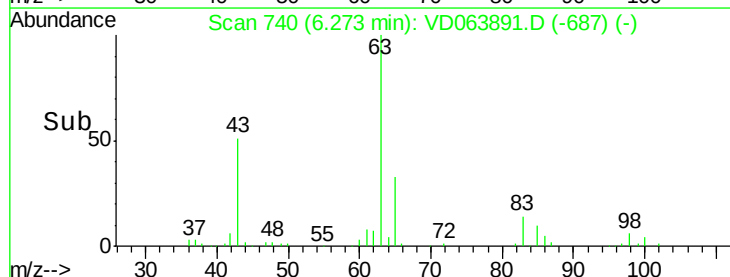
60000

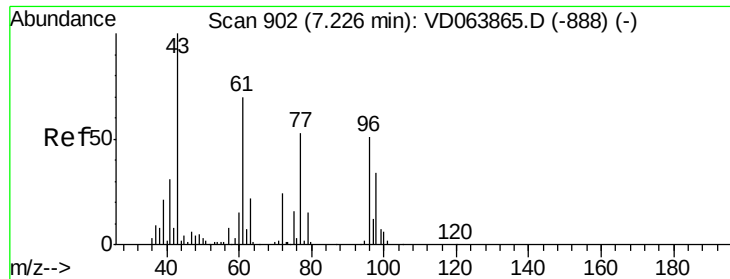
40000

20000

0

Time-->





#25

2-Butanone

Concen: 238.575 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

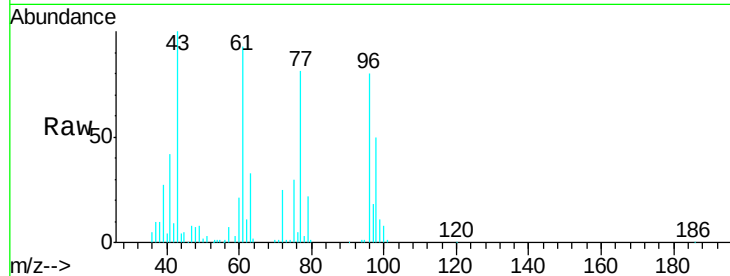
VSTDCCC050EC

Tgt Ion: 43 Resp: 143066

Ion Ratio Lower Upper

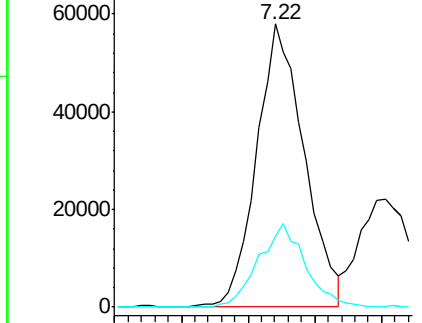
43 100

72 25.0 19.2 28.8

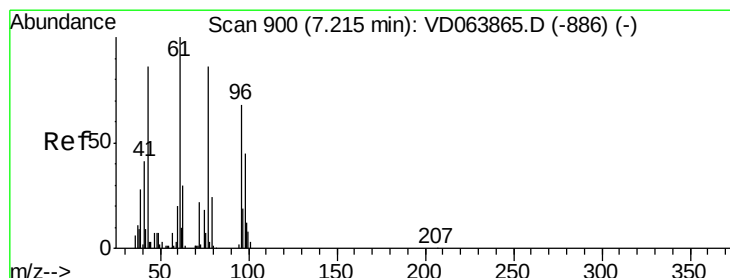
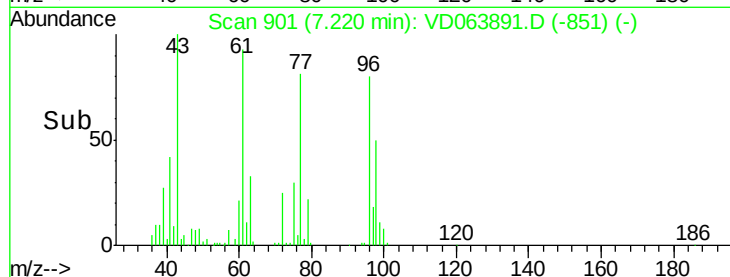


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 49.896 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063891.D

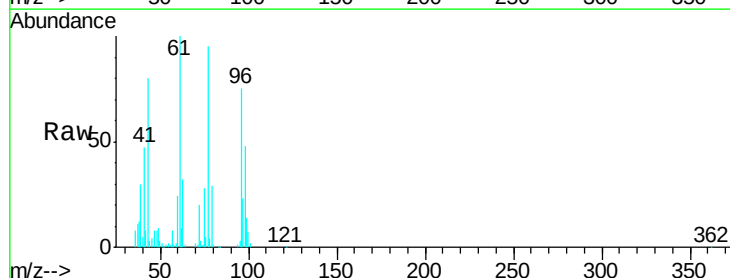
Acq: 04 Oct 2019 18:06

Tgt Ion: 77 Resp: 157936

Ion Ratio Lower Upper

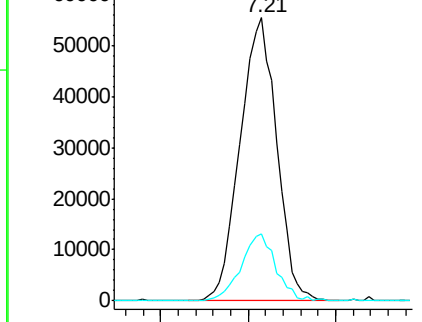
77 100

97 22.4 11.4 34.1

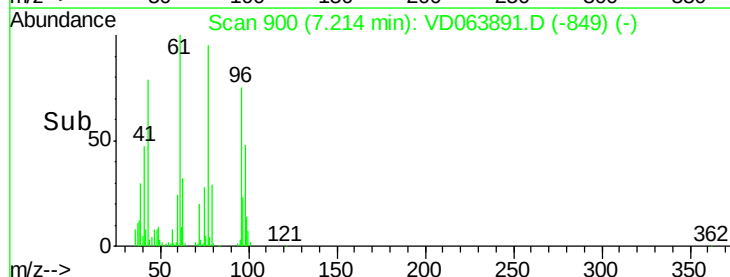


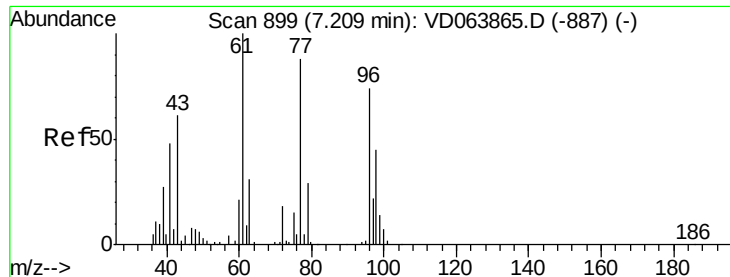
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time--> 7.10 7.20 7.30



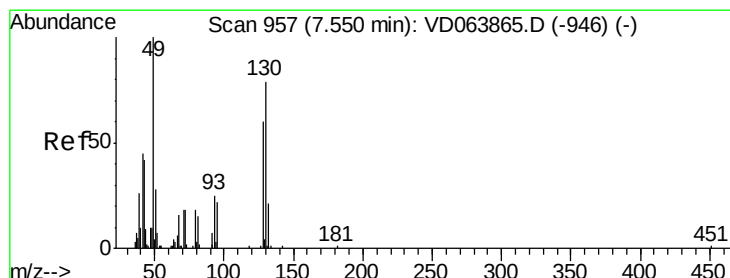
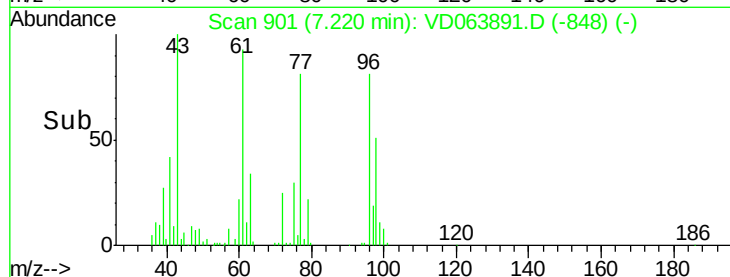
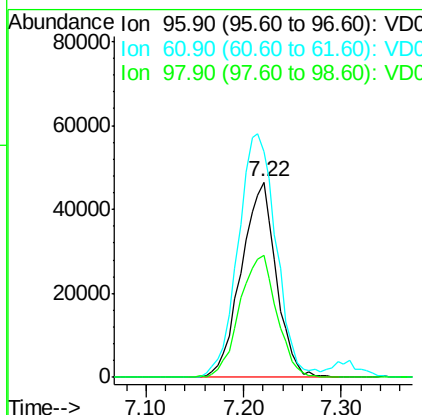
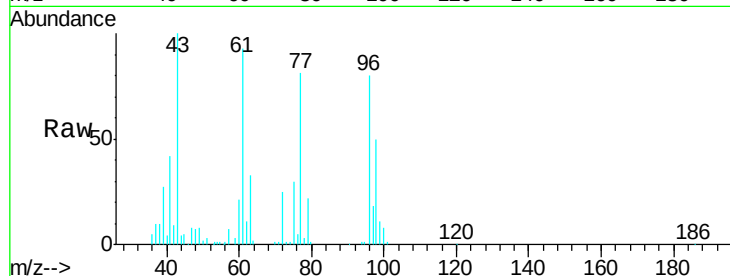


#27

cis-1,2-Dichloroethene
 Concen: 49.583 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

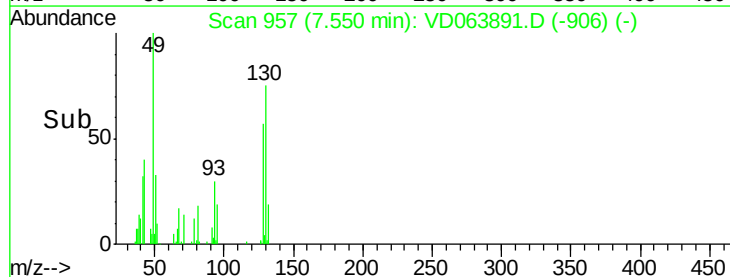
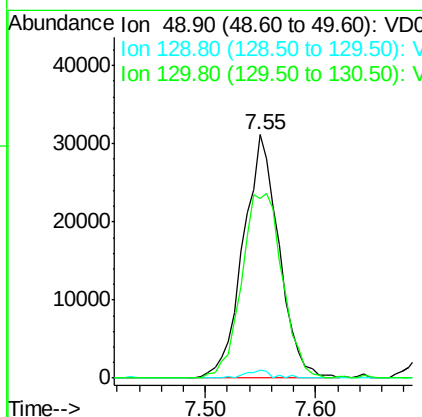
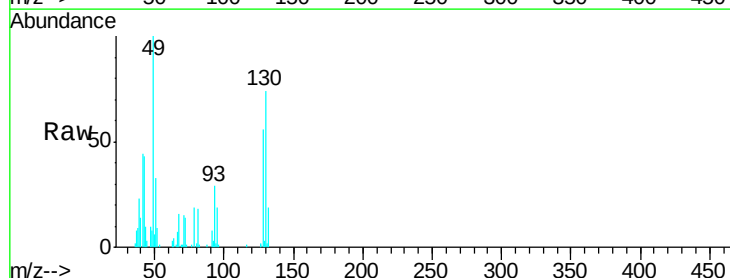
Tgt Ion: 96 Resp: 116887
 Ion Ratio Lower Upper
 96 100
 61 135.7 0.0 280.0
 98 66.3 0.0 130.4

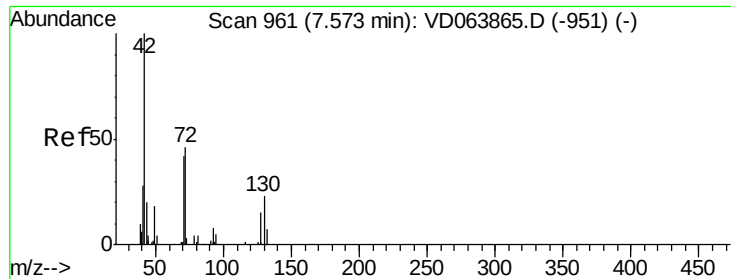


#28

Bromochloromethane
 Concen: 54.193 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 49 Resp: 71051
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 5.6
 130 86.1 66.8 100.2

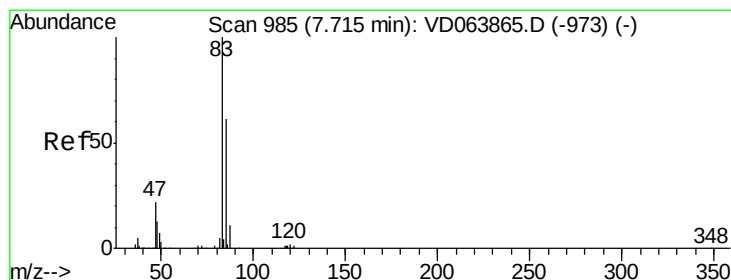
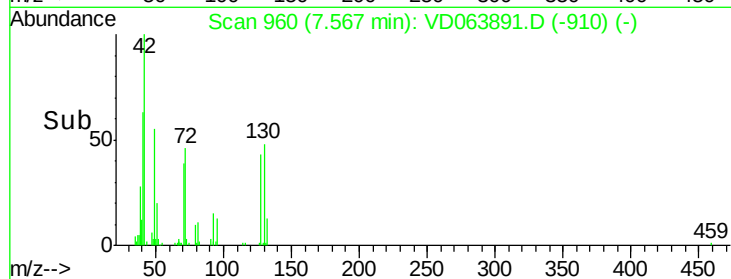
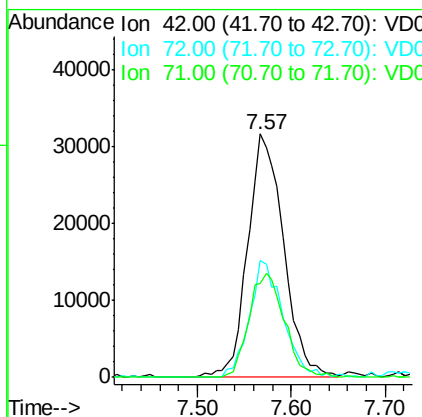
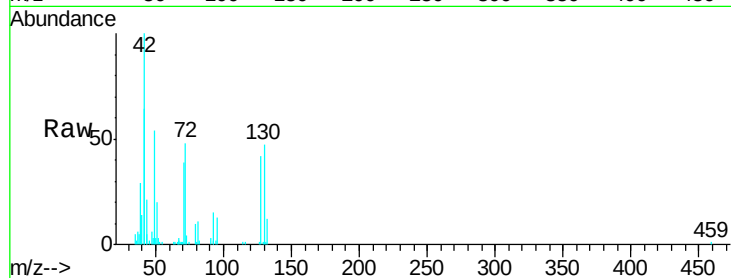




#29
Tetrahydrofuran
Concen: 239.201 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

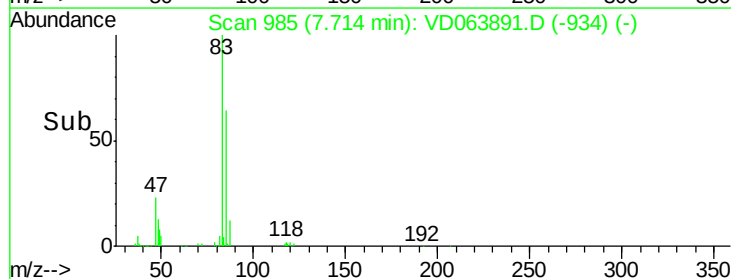
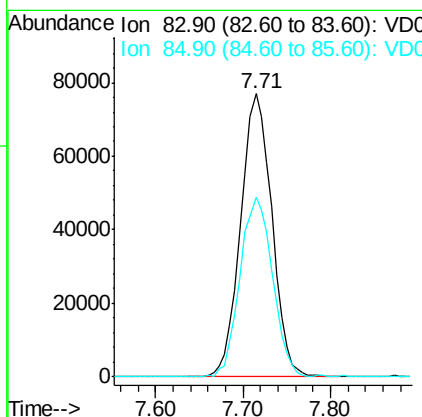
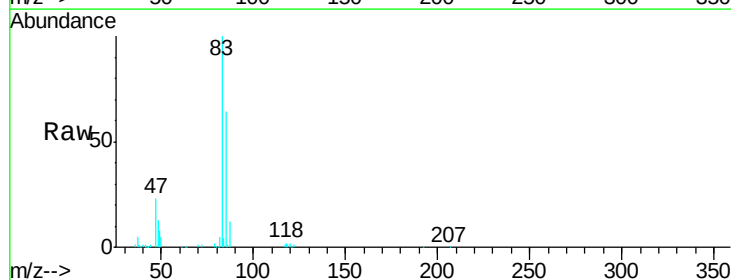
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

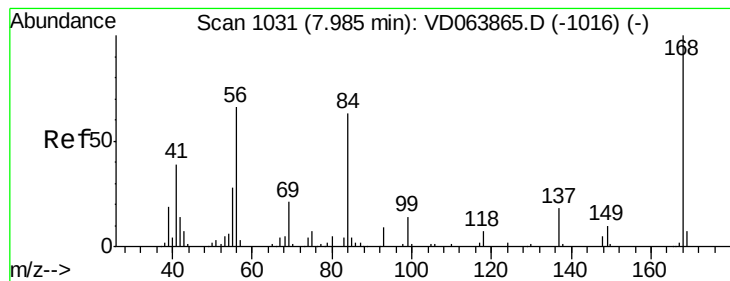
Tgt Ion: 42 Resp: 83724
Ion Ratio Lower Upper
42 100
72 44.7 37.6 56.4
71 42.2 35.0 52.6



#30
Chloroform
Concen: 48.890 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion: 83 Resp: 185807
Ion Ratio Lower Upper
83 100
85 63.5 48.9 73.3





#31

Cyclohexane

Concen: 45.560 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

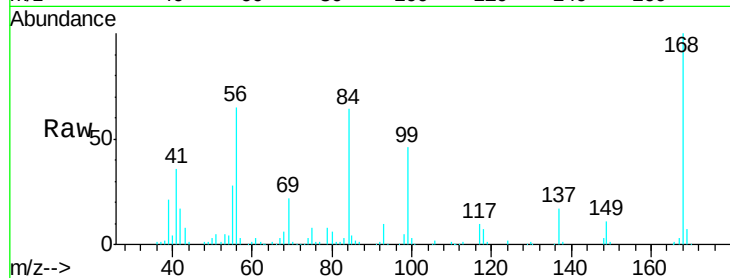
Tgt Ion: 56 Resp: 149483

Ion Ratio Lower Upper

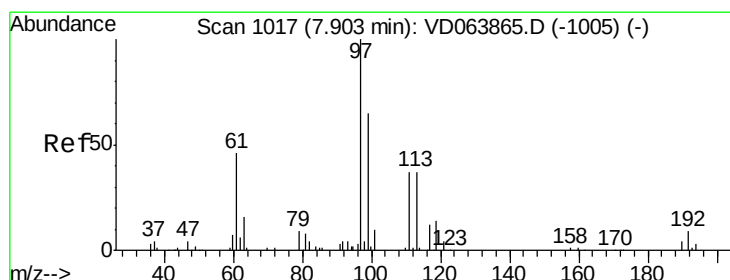
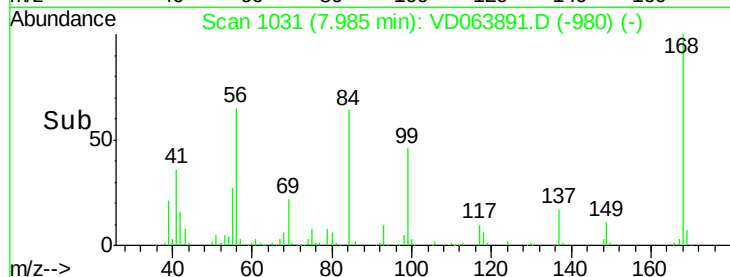
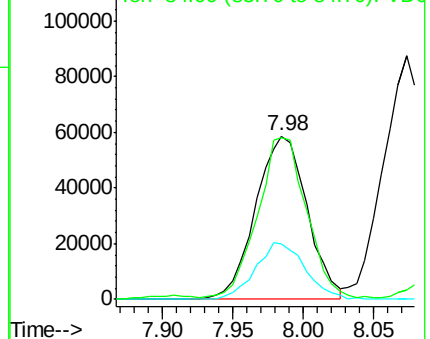
56 100

69 33.8 25.0 37.4

84 97.2 76.3 114.5



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



#32

1,1,1-Trichloroethane

Concen: 50.422 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

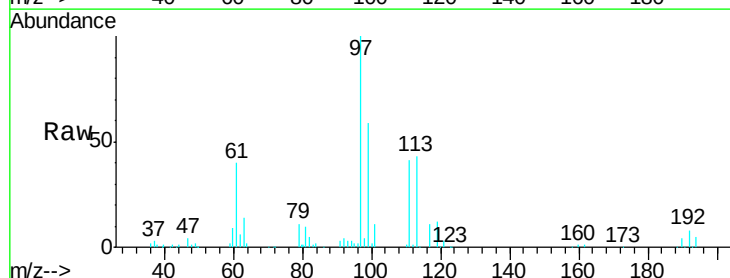
Tgt Ion: 97 Resp: 164381

Ion Ratio Lower Upper

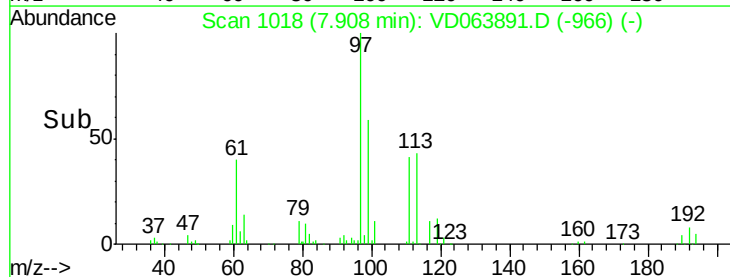
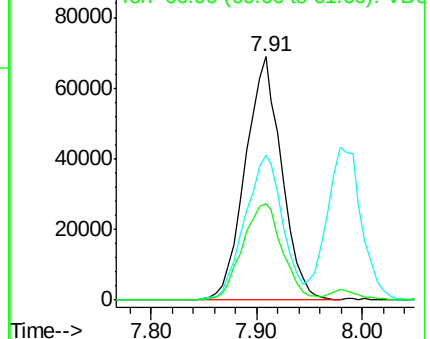
97 100

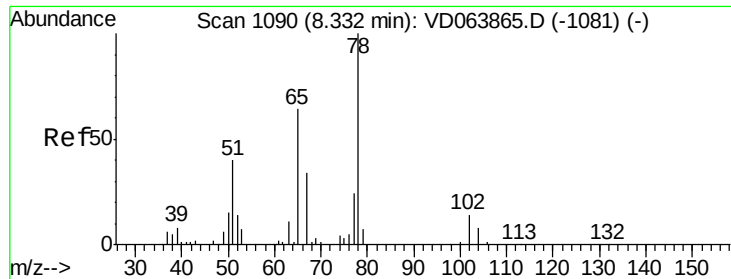
99 62.3 52.4 78.6

61 43.5 33.8 50.8



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

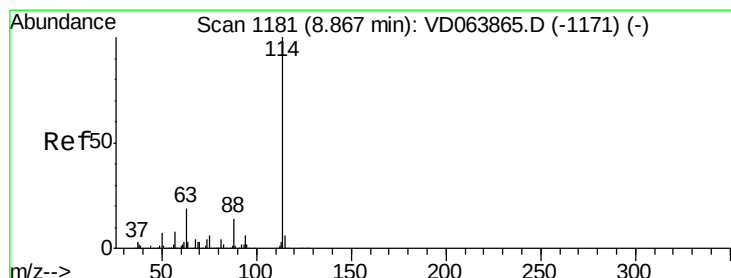
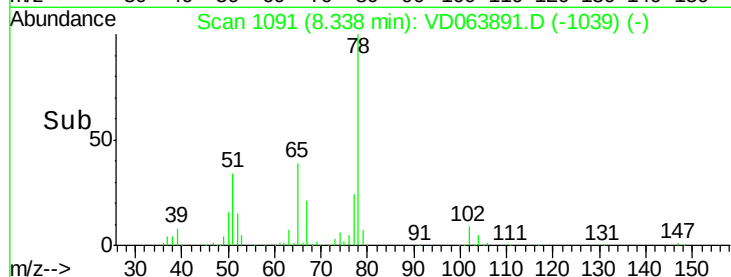
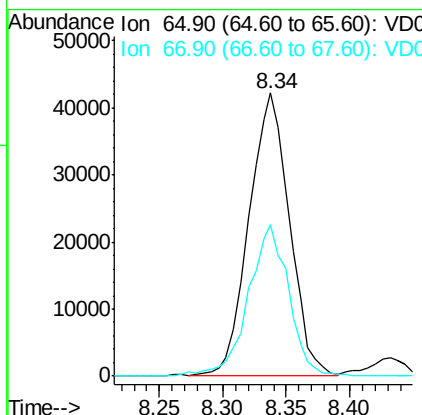
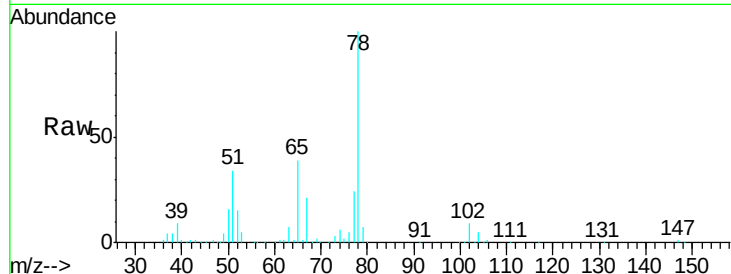




#33
 1,2-Dichloroethane-d4
 Concen: 48.204 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

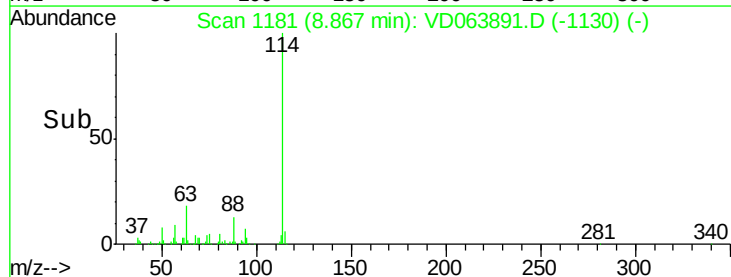
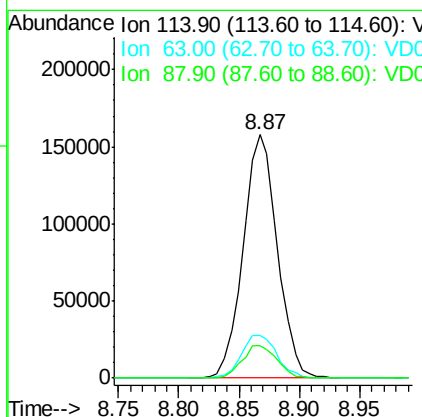
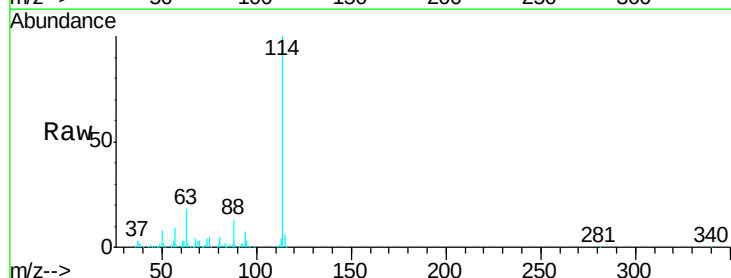
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

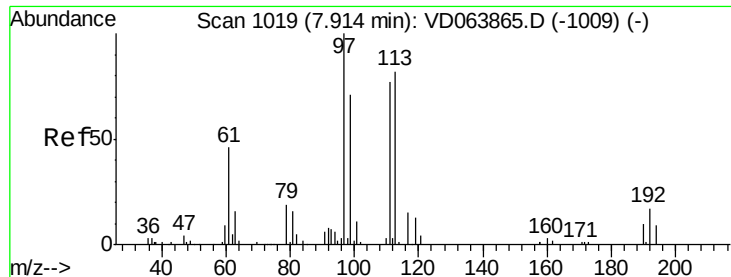
Tgt Ion: 65 Resp: 93686
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 114 Resp: 311390
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 38.4
 88 13.4 0.0 27.4

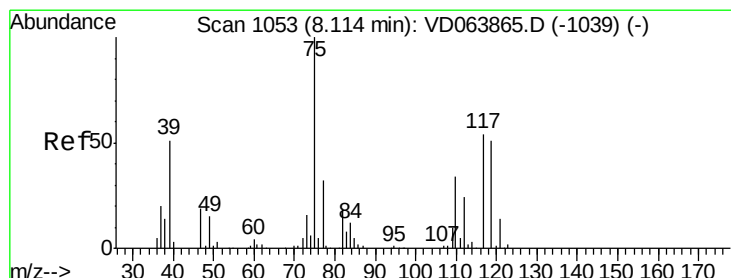
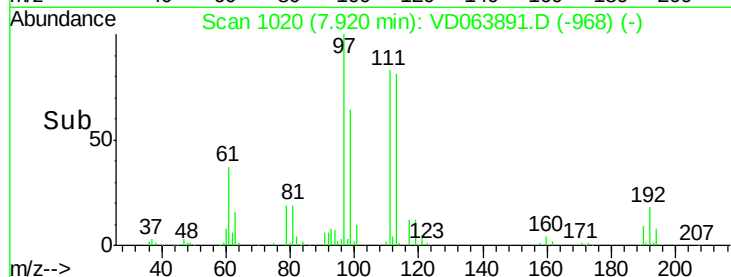
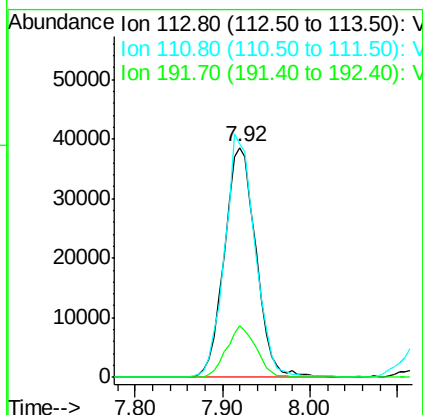
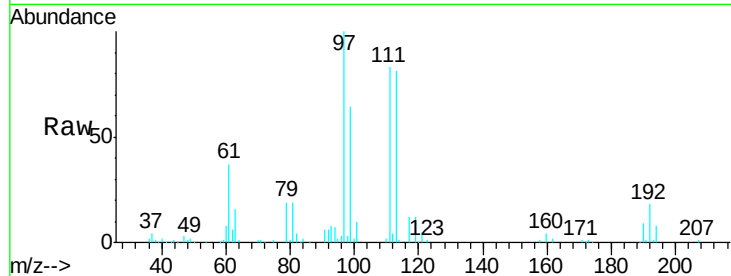




#35
 Dibromofluoromethane
 Concen: 49.997 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

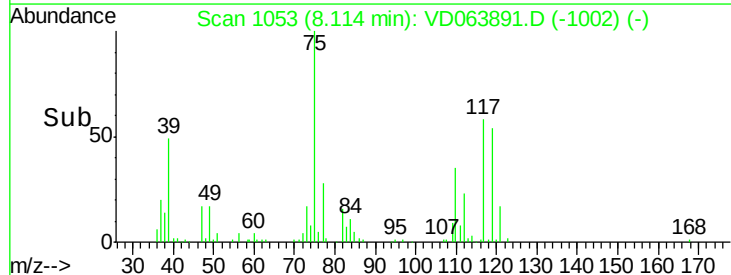
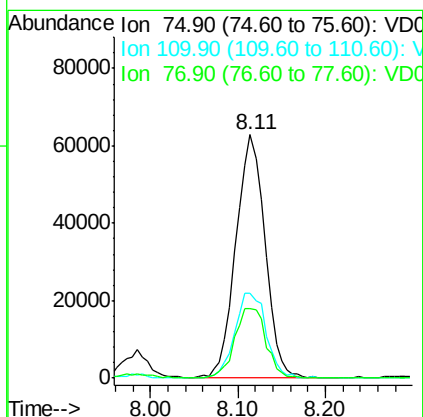
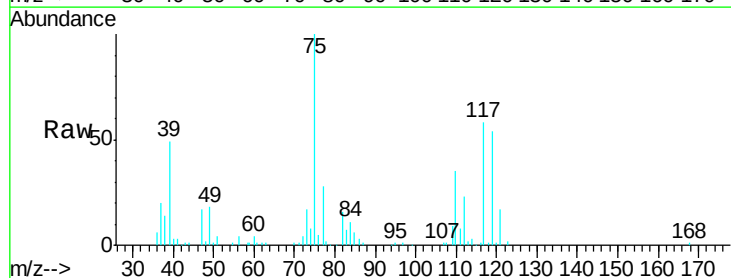
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

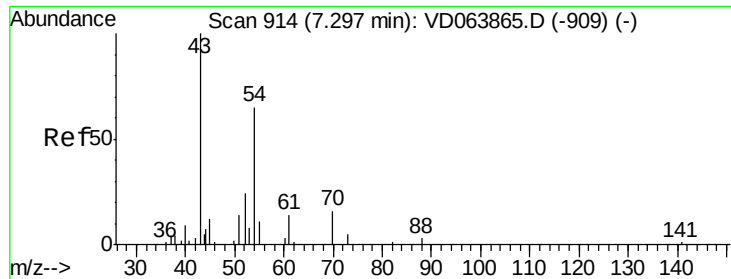
Tgt Ion: 113 Resp: 95144
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 20.9 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 49.918 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 75 Resp: 142123
 Ion Ratio Lower Upper
 75 100
 110 37.2 17.4 52.3
 77 30.7 25.4 38.0





#37

Ethyl Acetate

Concen: 47.729 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

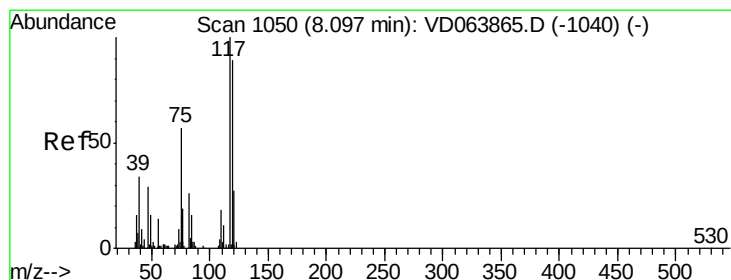
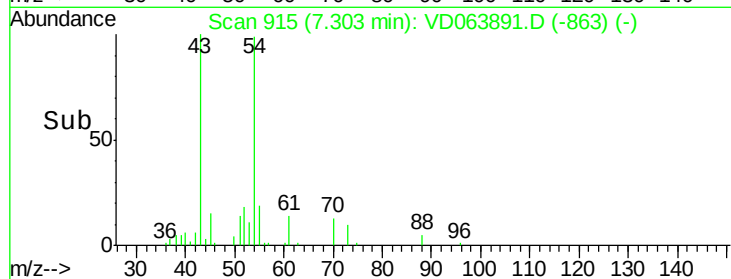
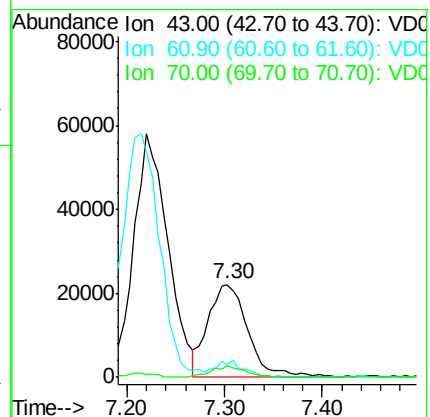
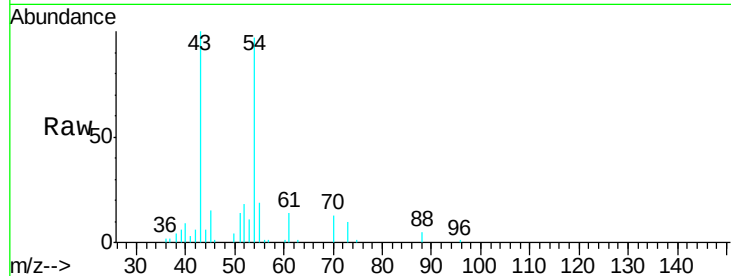
Tgt Ion: 43 Resp: 61670

Ion Ratio Lower Upper

43 100

61 13.2 11.5 17.3

70 10.3 8.2 12.4



#38

Carbon Tetrachloride

Concen: 50.670 ug/l

RT: 8.09 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

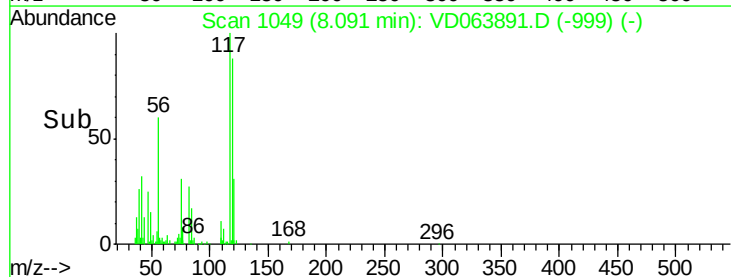
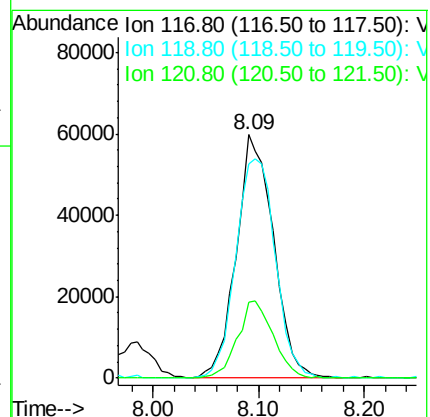
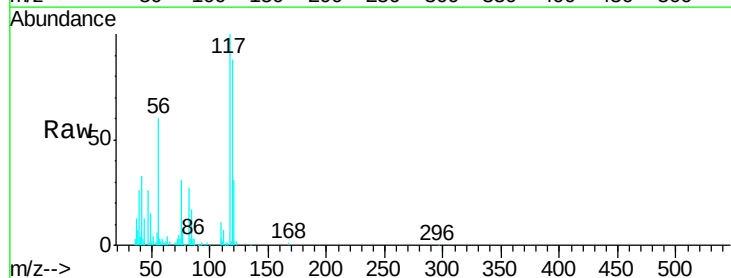
Tgt Ion: 117 Resp: 145784

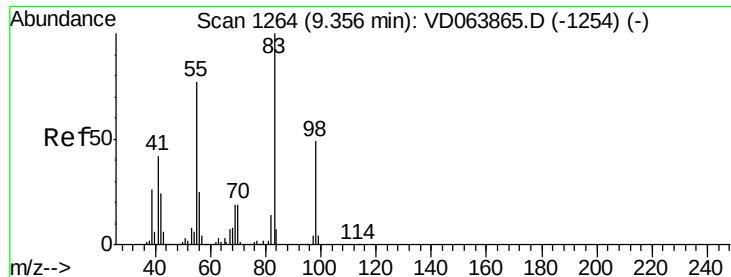
Ion Ratio Lower Upper

117 100

119 87.9 70.8 106.2

121 31.0 21.4 32.0

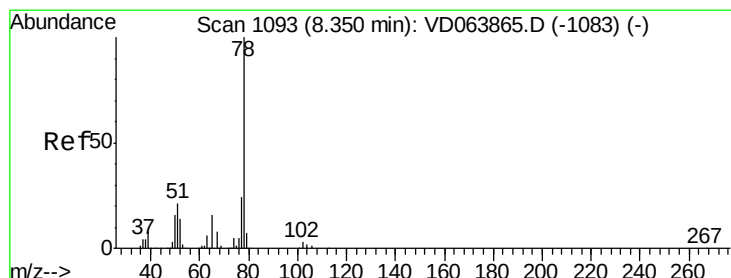
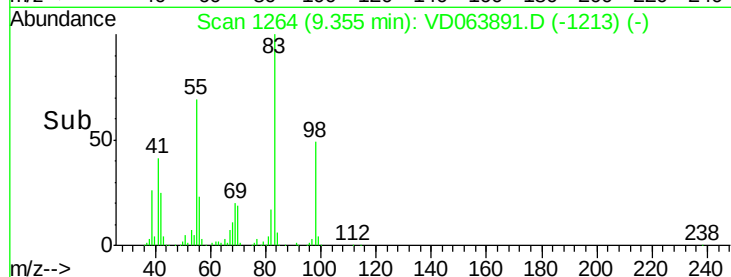
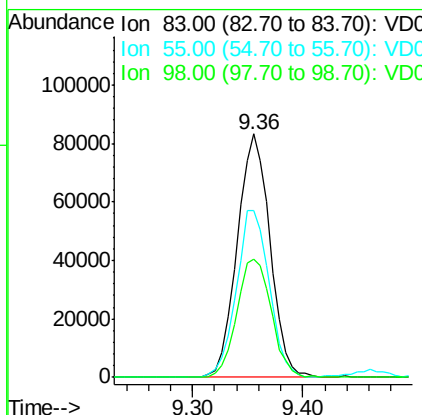
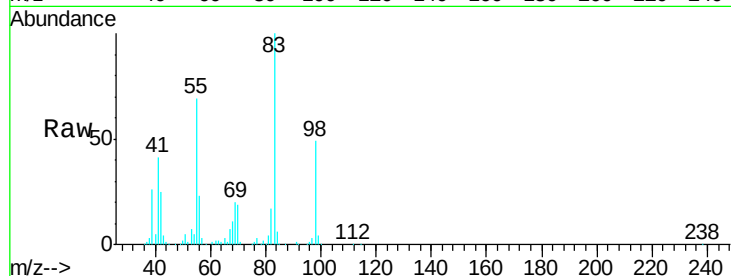




#39
Methylcyclohexane
Concen: 49.632 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

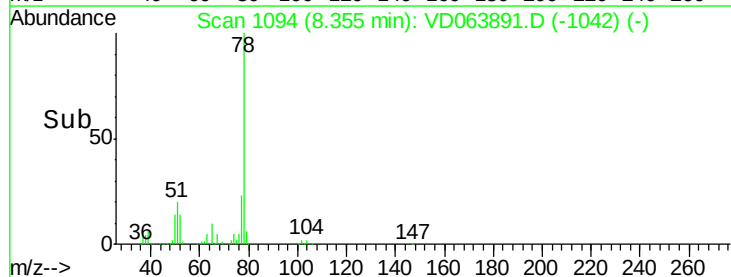
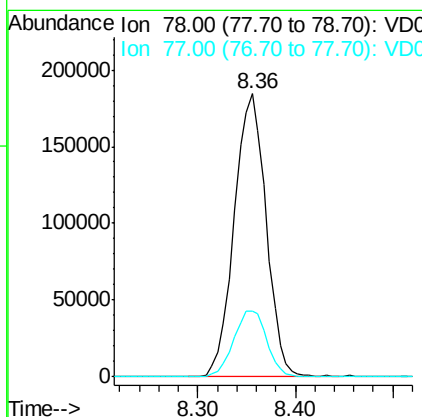
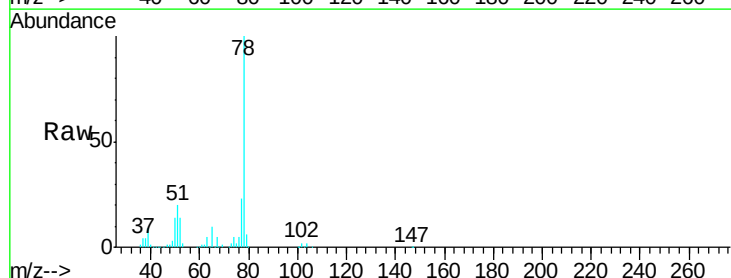
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

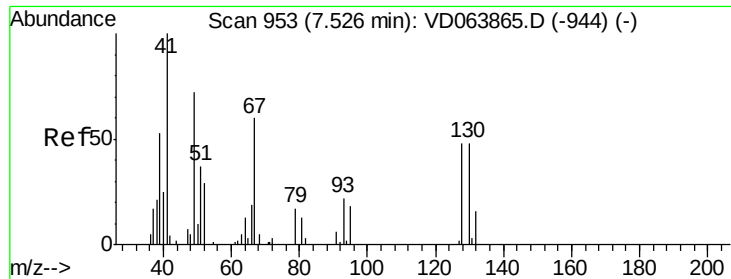
Tgt Ion: 83 Resp: 173747
Ion Ratio Lower Upper
83 100
55 68.7 61.3 91.9
98 48.7 39.3 58.9



#40
Benzene
Concen: 51.202 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion: 78 Resp: 417755
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6

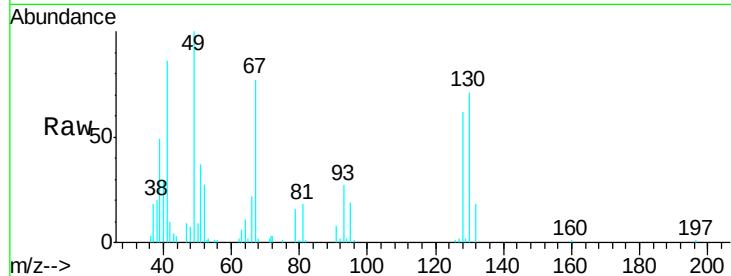




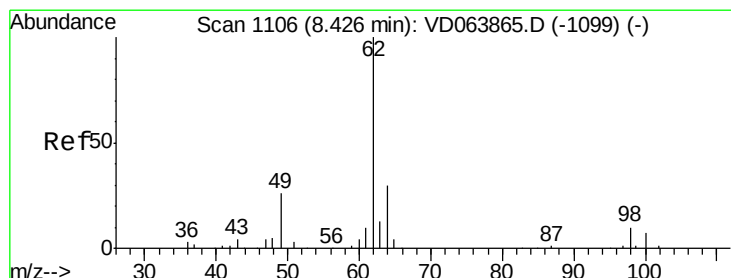
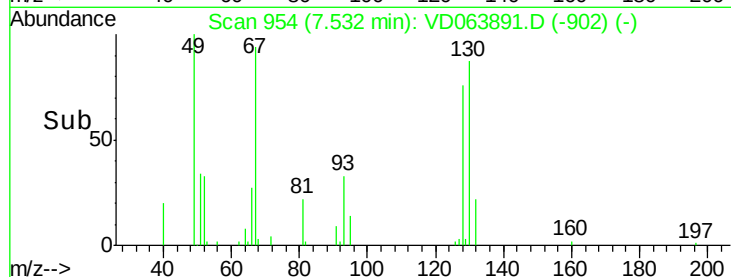
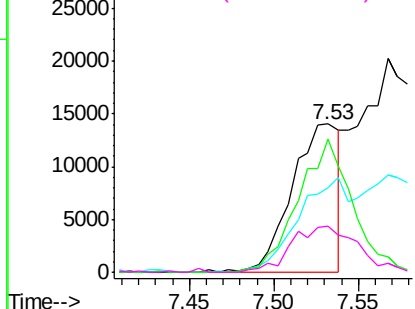
#41
Methacrylonitrile
Concen: 41.582 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 27448
Ion Ratio Lower Upper
41 100
39 74.8 52.6 78.8
67 103.0 74.2 111.2
52 43.4 34.0 51.0

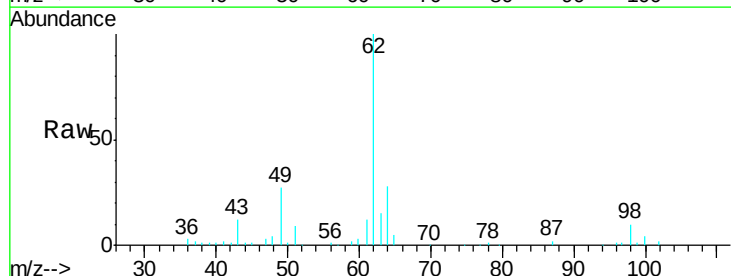


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

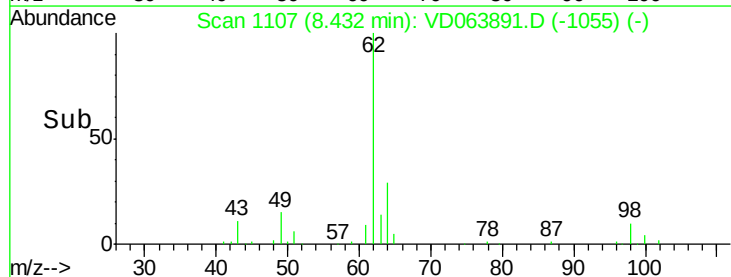
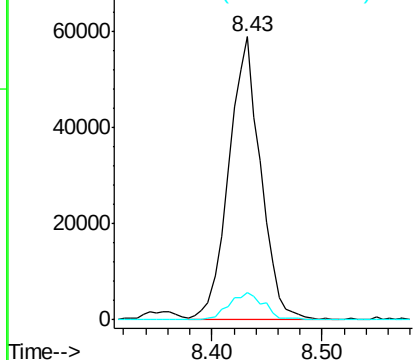


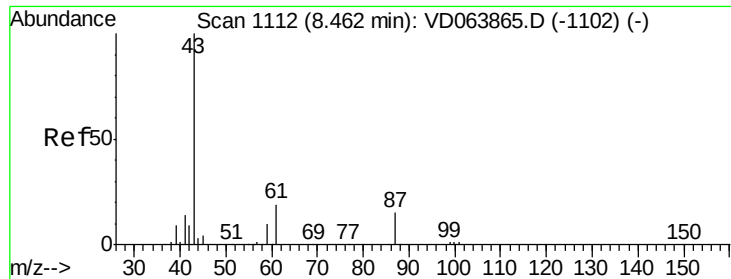
#42
1,2-Dichloroethane
Concen: 50.541 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion: 62 Resp: 119282
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.678 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

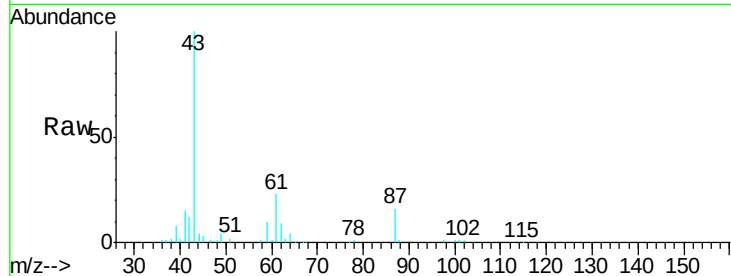
Tgt Ion: 43 Resp: 118615

Ion Ratio Lower Upper

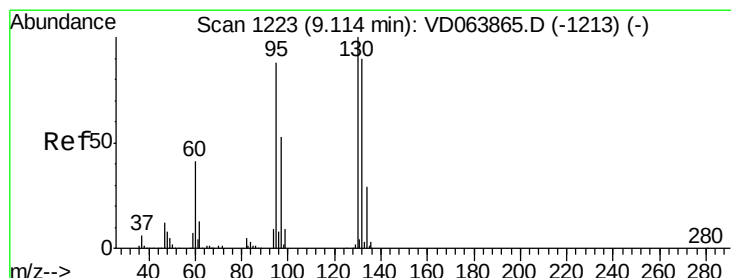
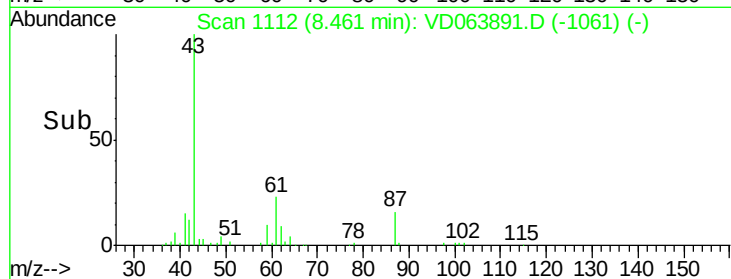
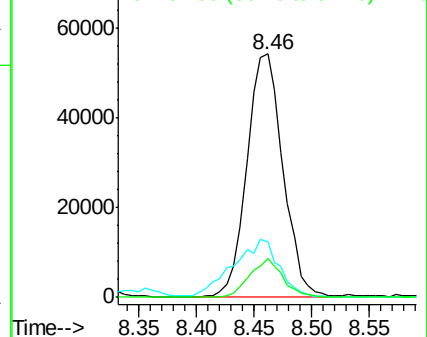
43 100

61 30.3 25.7 38.5

87 14.6 11.6 17.4



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: 50.271 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063891.D

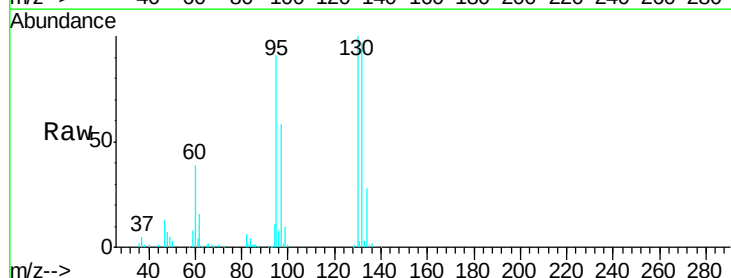
Acq: 04 Oct 2019 18:06

Tgt Ion: 130 Resp: 118275

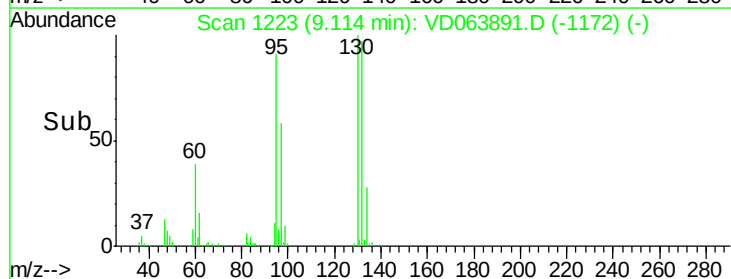
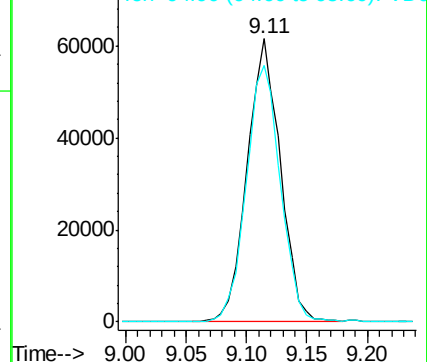
Ion Ratio Lower Upper

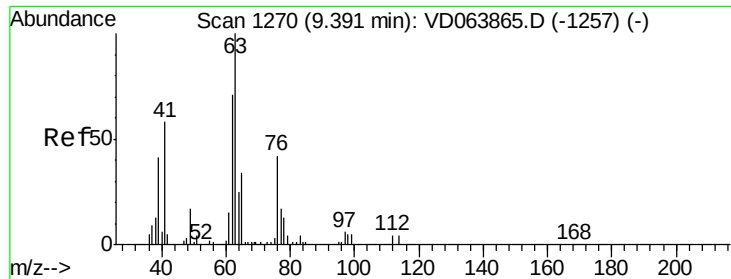
130 100

95 90.5 0.0 175.6



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

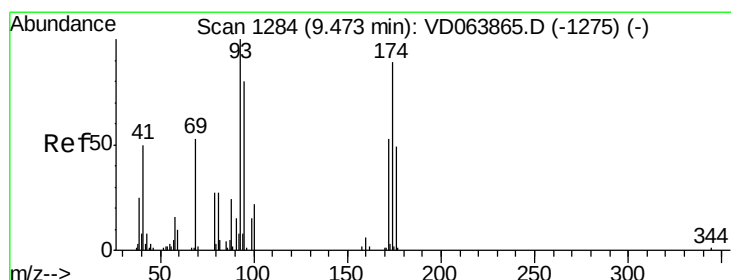
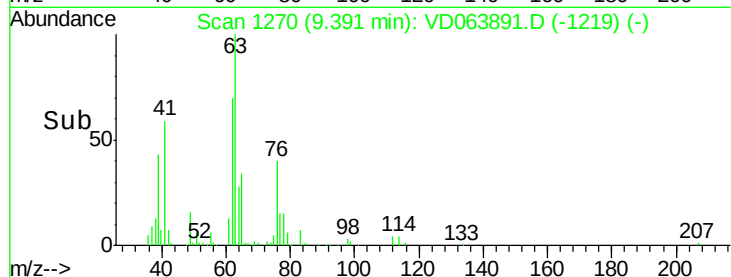
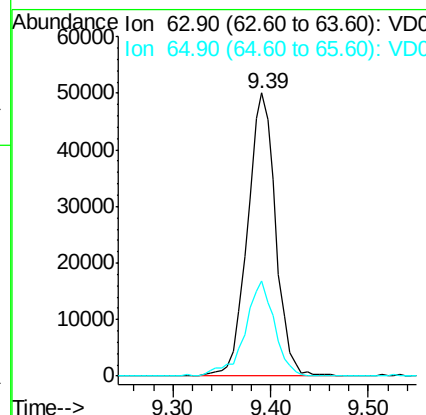
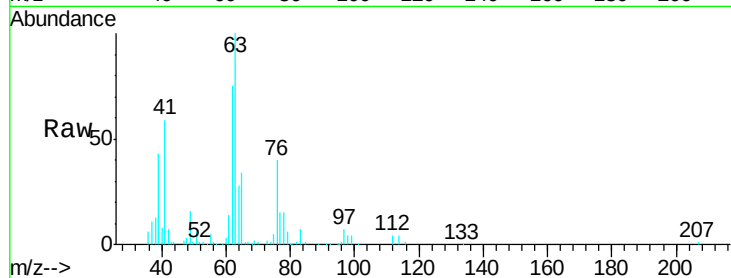




#45
 1,2-Dichloropropane
 Concen: 50.445 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

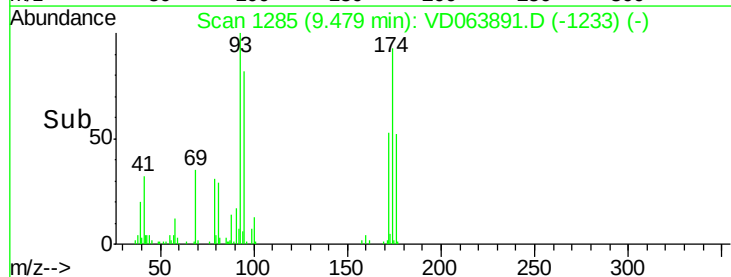
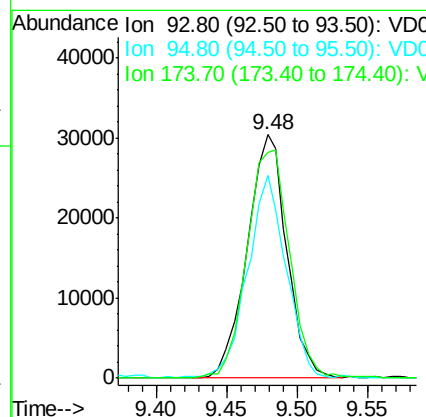
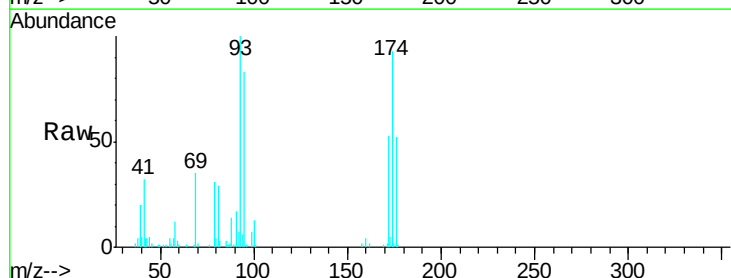
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

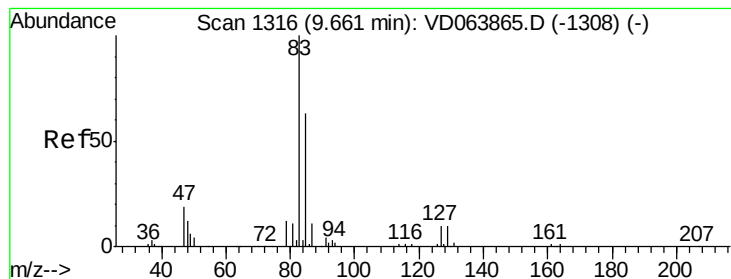
Tgt Ion: 63 Resp: 100740
 Ion Ratio Lower Upper
 63 100
 65 33.7 27.3 40.9



#46
 Dibromomethane
 Concen: 52.469 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 93 Resp: 59675
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.0 99.0
 174 101.5 83.4 125.0





#47

Bromodichloromethane

Concen: 50.563 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

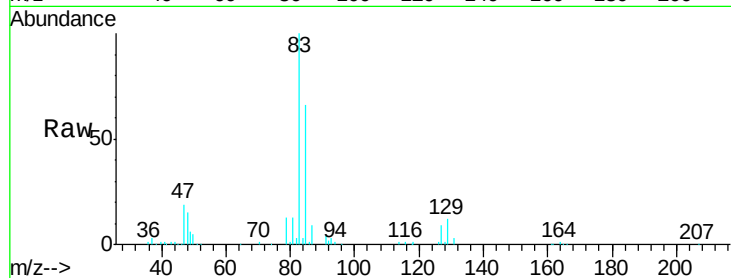
Tgt Ion: 83 Resp: 148060

Ion Ratio Lower Upper

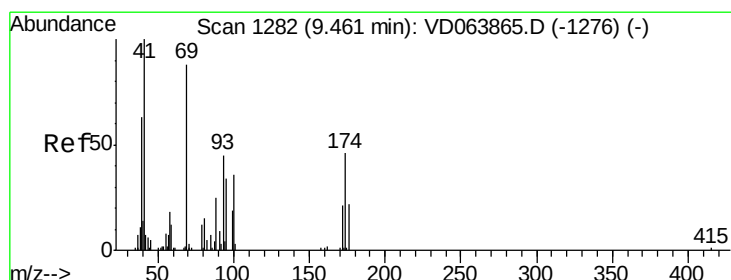
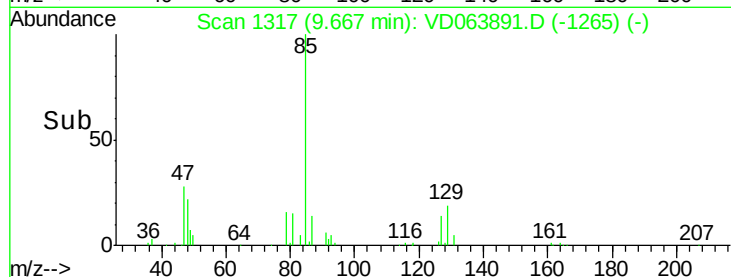
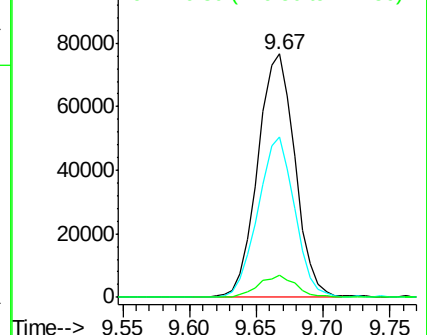
83 100

85 66.1 50.2 75.2

127 8.9 7.6 11.4



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: 47.703 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

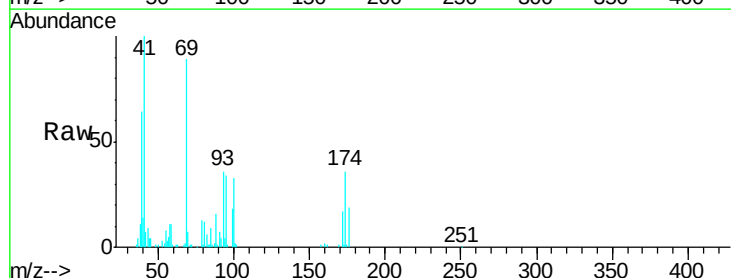
Tgt Ion: 41 Resp: 54573

Ion Ratio Lower Upper

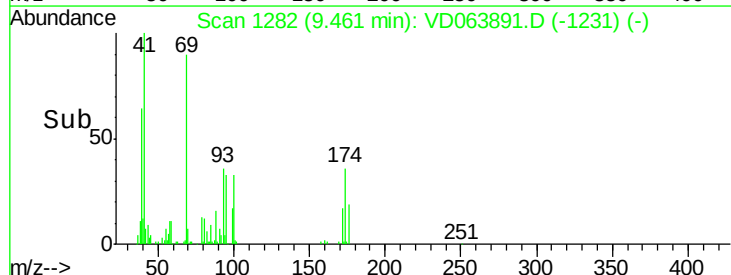
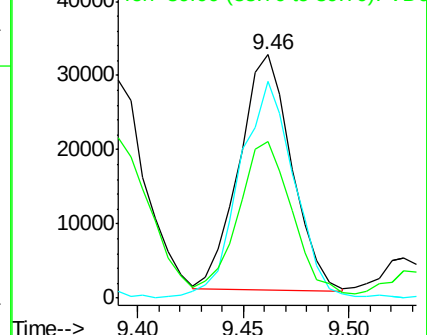
41 100

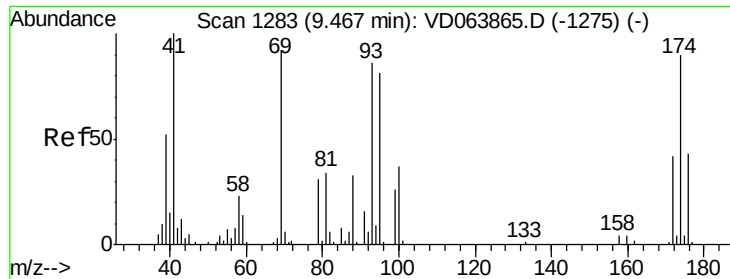
69 96.7 75.1 112.7

39 65.8 50.2 75.2



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

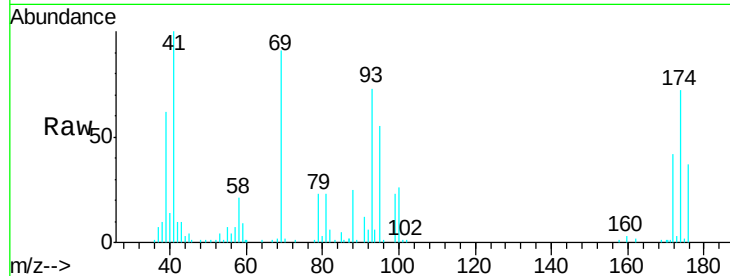




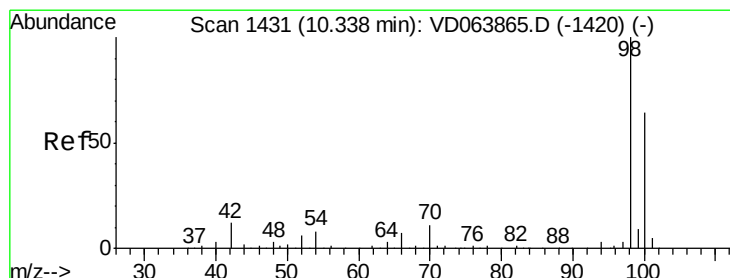
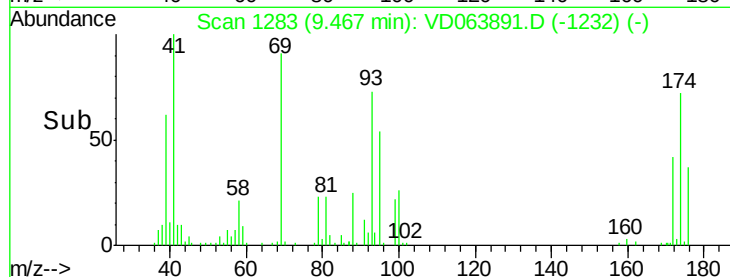
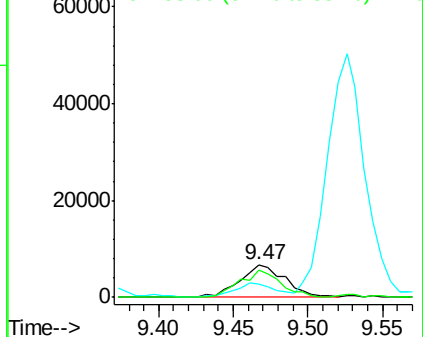
#49
1,4-Dioxane
Concen: 919.832 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 14280
Ion Ratio Lower Upper
88 100
43 39.7 27.6 41.4
58 73.5 54.1 81.1

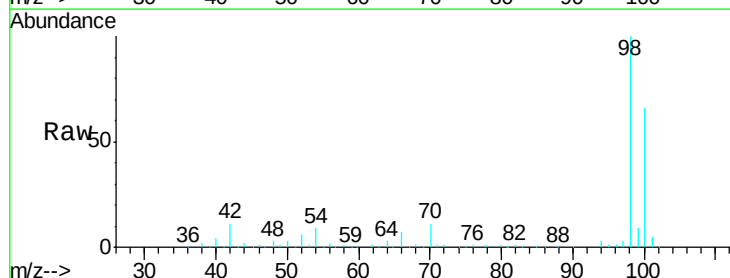


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

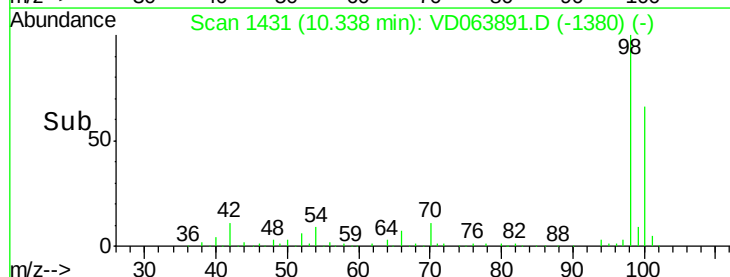
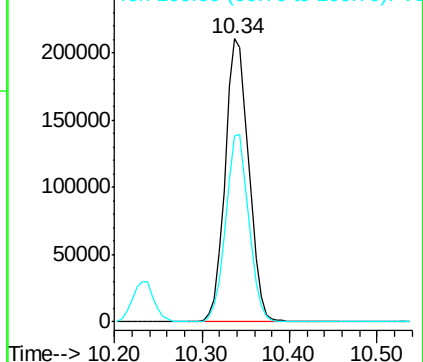


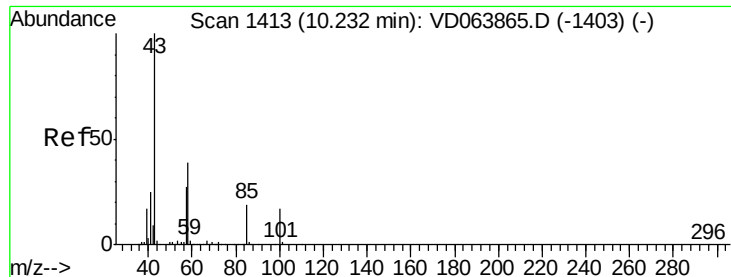
#50
Toluene-d8
Concen: 49.968 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion: 98 Resp: 385951
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



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

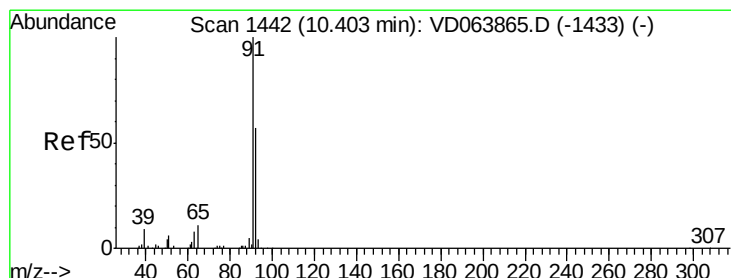
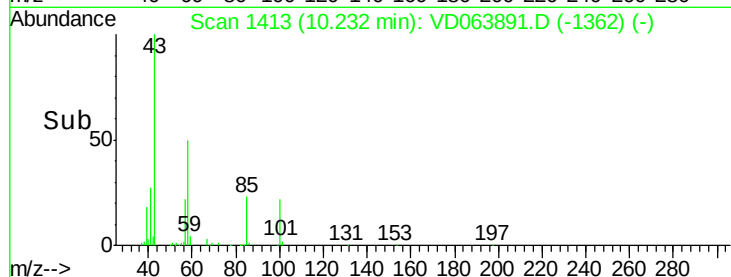
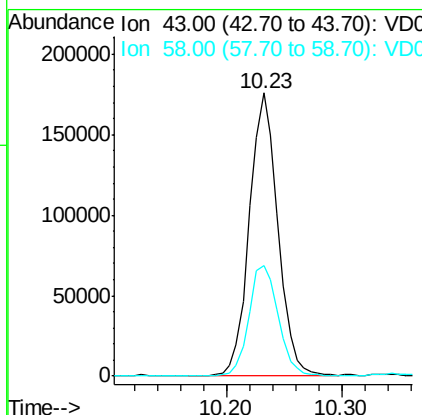
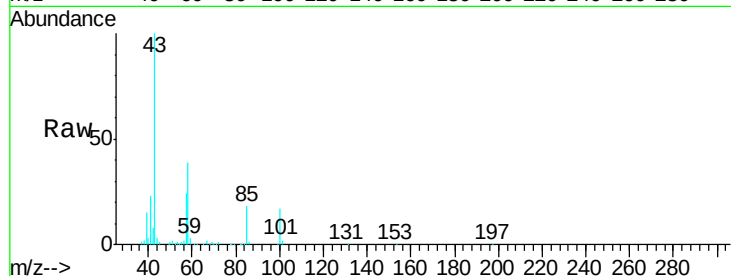




#51
 4-Methyl-2-Pentanone
 Concen: 245.331 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

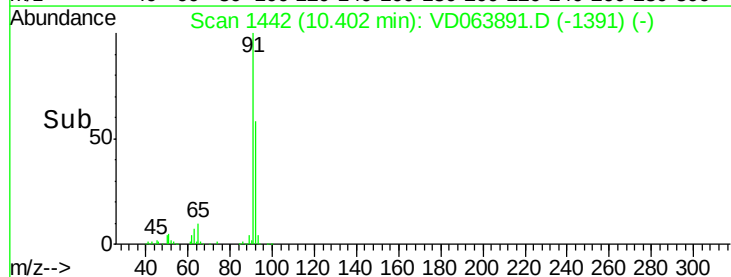
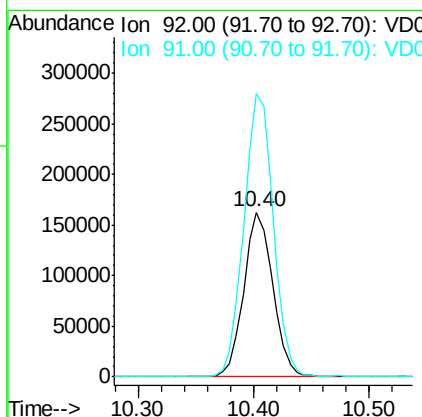
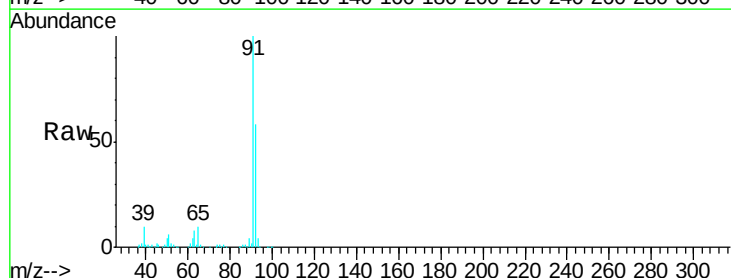
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

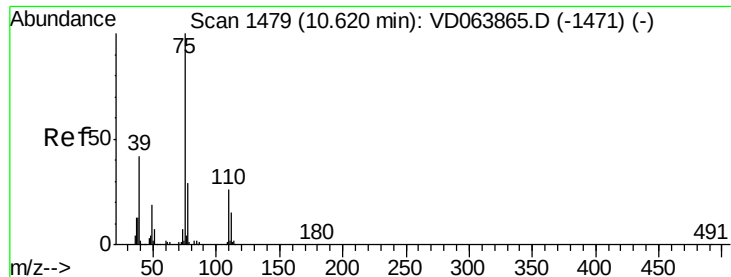
Tgt Ion: 43 Resp: 303796
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.0 49.4



#52
 Toluene
 Concen: 50.875 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 92 Resp: 284952
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 52.869 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

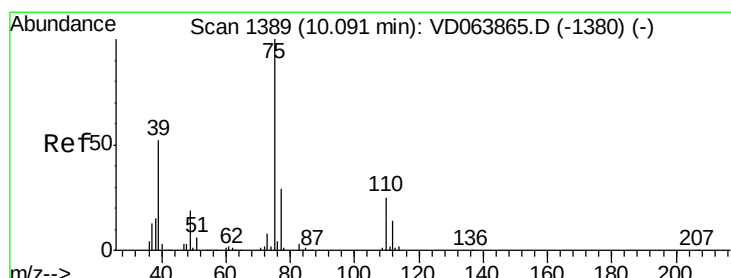
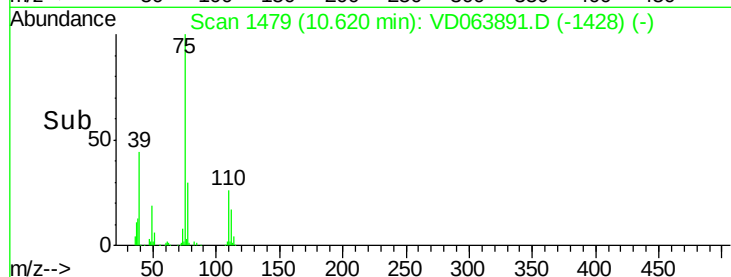
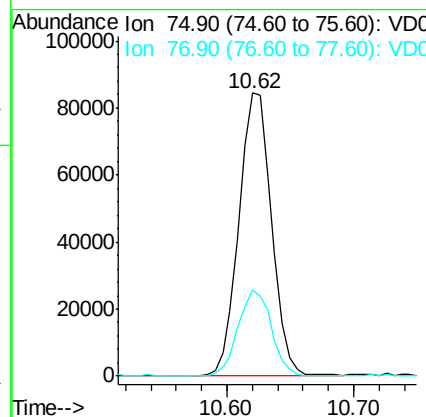
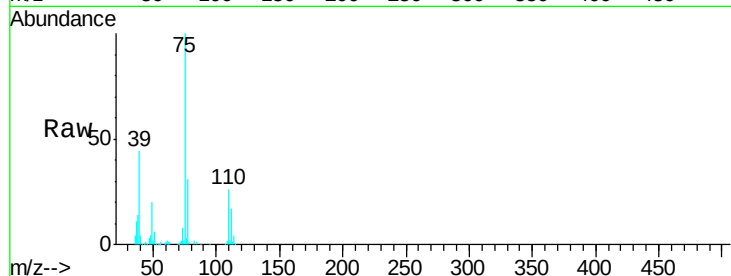
VSTDCCC050EC

Tgt Ion: 75 Resp: 151068

Ion Ratio Lower Upper

75 100

77 30.7 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 52.271 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

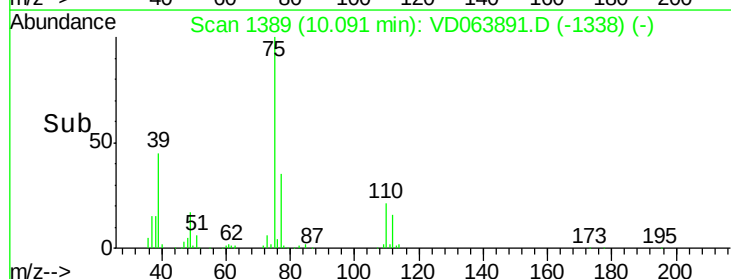
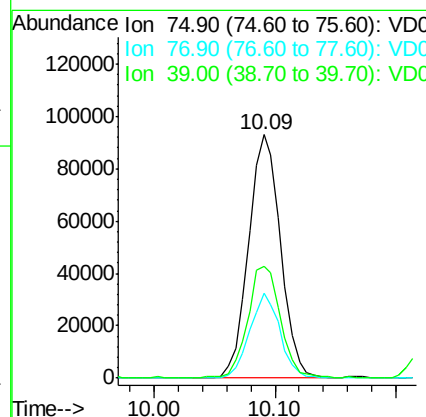
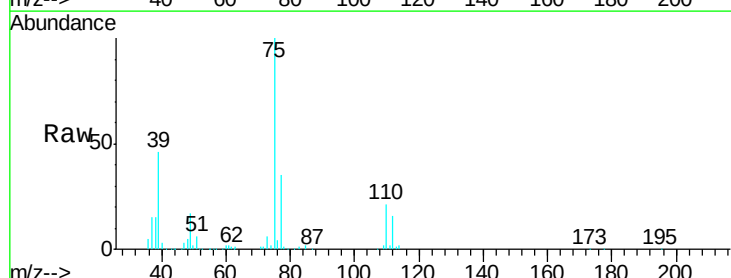
Tgt Ion: 75 Resp: 171927

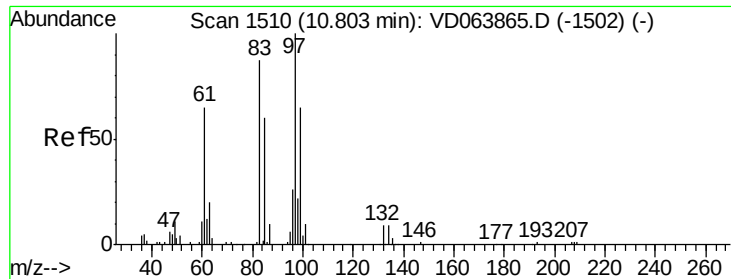
Ion Ratio Lower Upper

75 100

77 34.6 23.2 34.8

39 45.9 41.5 62.3

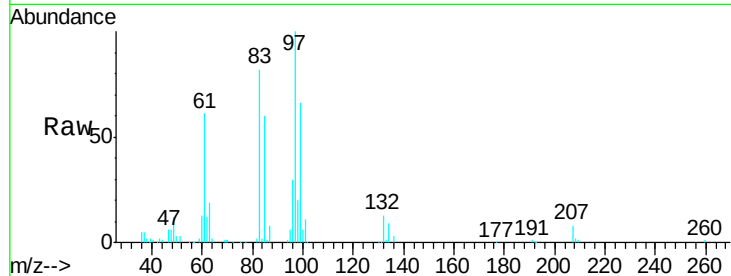




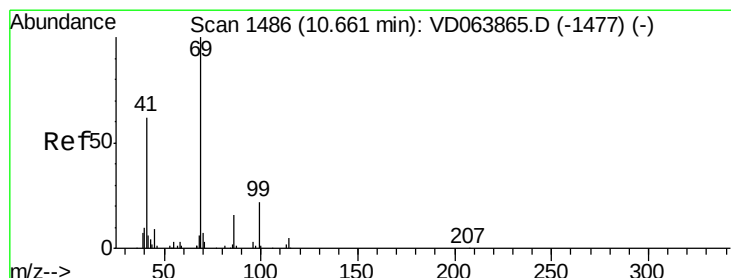
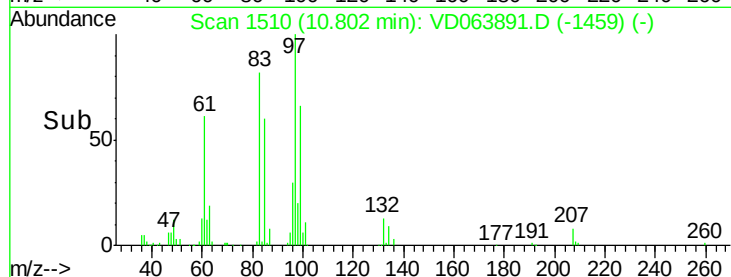
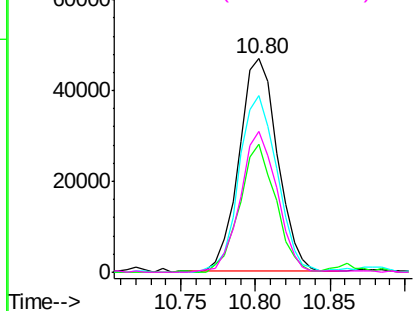
#55
 1,1,2-Trichloroethane
 Concen: 52.267 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	83933
Ion	Ratio	Lower	Upper
97	100		
83	82.8	69.7	104.5
85	59.4	48.1	72.1
99	66.2	51.9	77.9

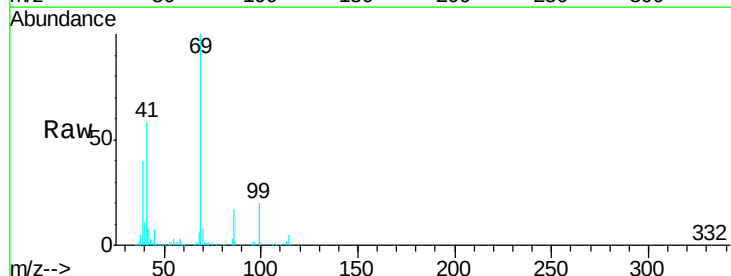


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

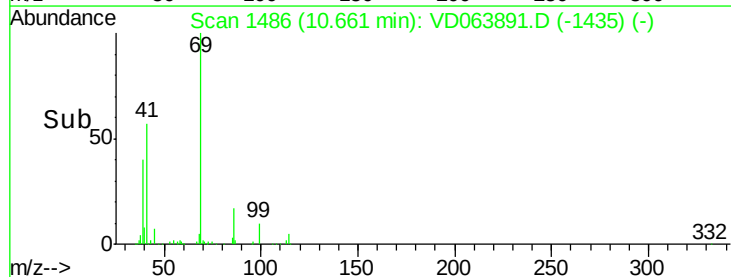
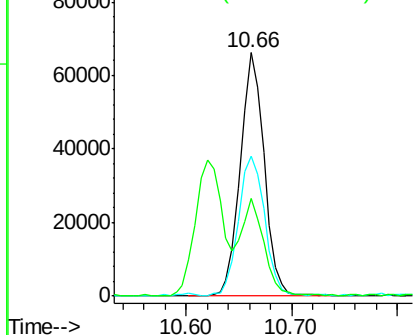


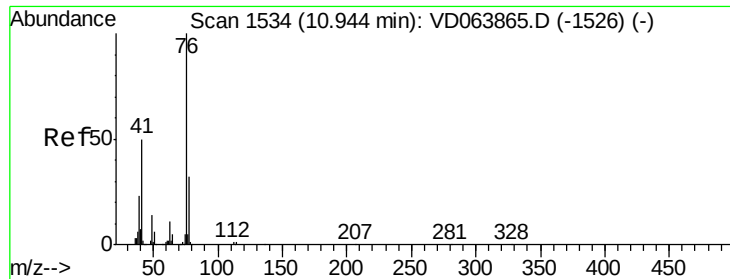
#56
 Ethyl methacrylate
 Concen: 51.249 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion:	69	Resp:	104220
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.3	76.9
39	37.4	28.0	42.0



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

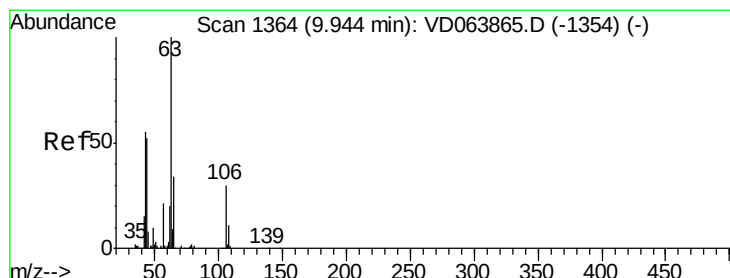
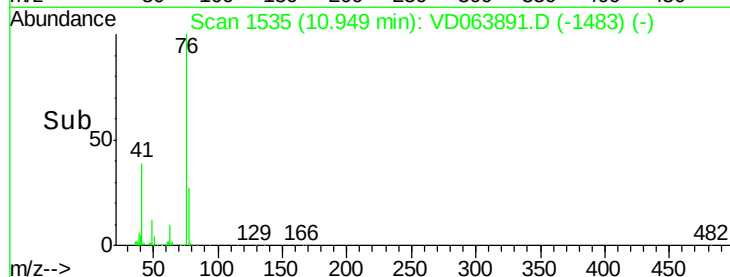
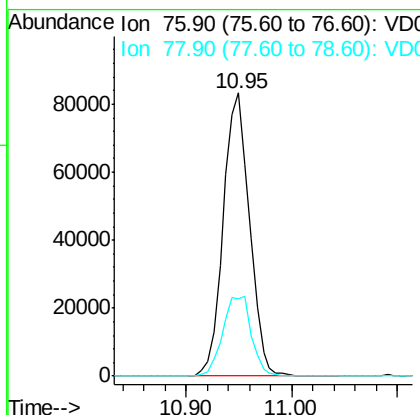
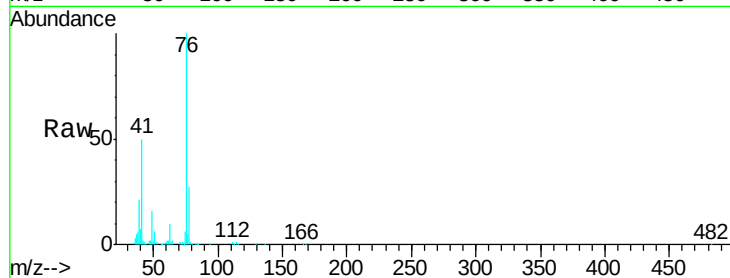




#57
 1,3-Dichloropropane
 Concen: 52.288 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

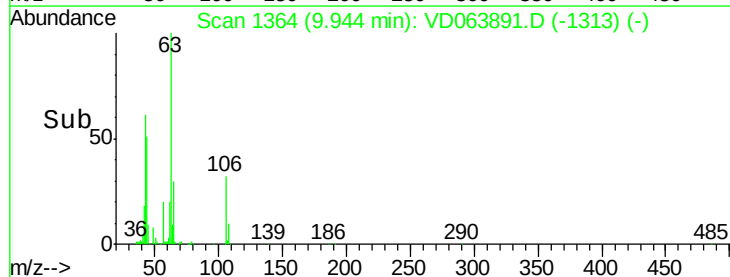
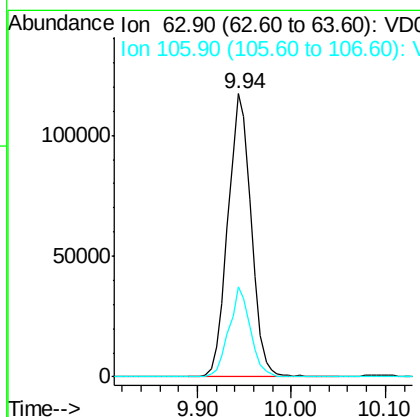
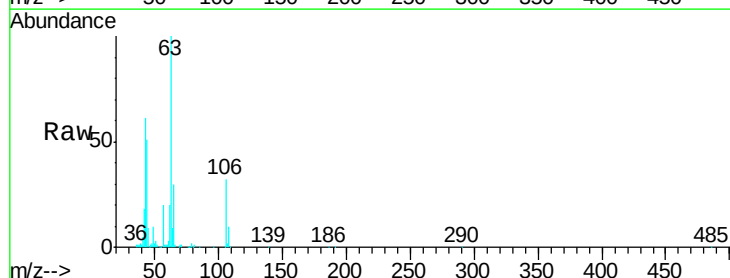
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

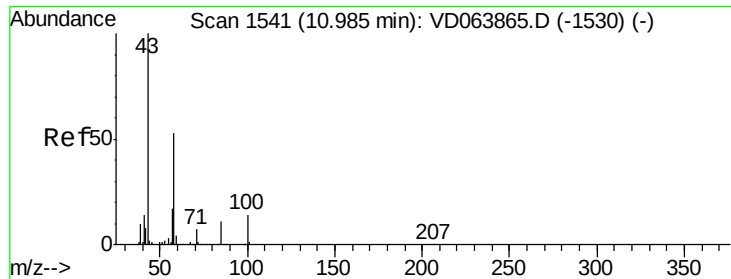
Tgt Ion: 76 Resp: 143664
 Ion Ratio Lower Upper
 76 100
 78 30.6 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.497 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 63 Resp: 201482
 Ion Ratio Lower Upper
 63 100
 106 29.1 24.3 36.5

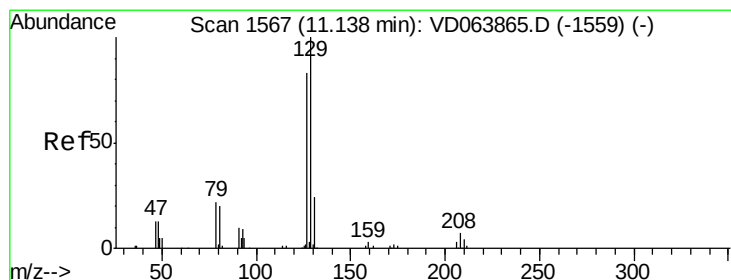
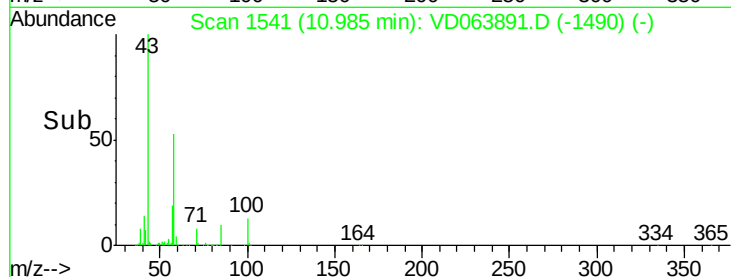
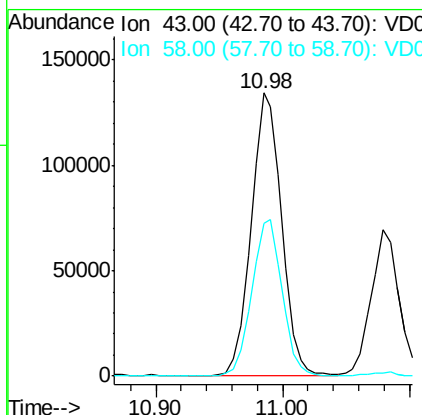
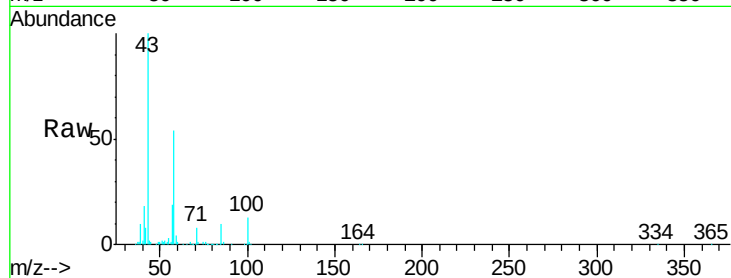




#59
2-Hexanone
Concen: 250.928 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

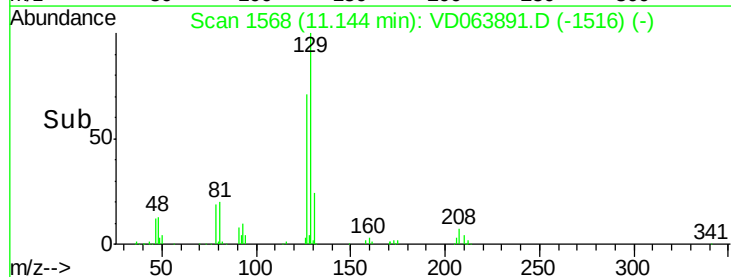
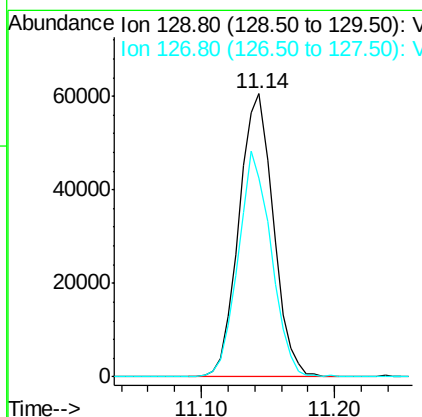
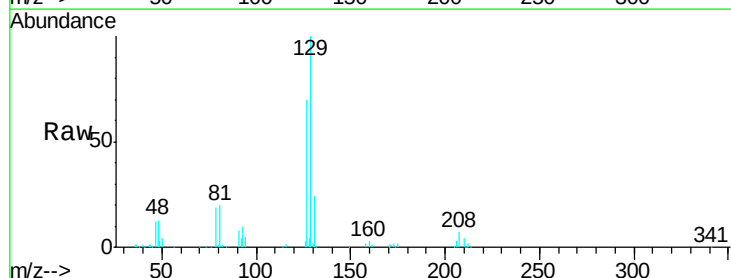
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

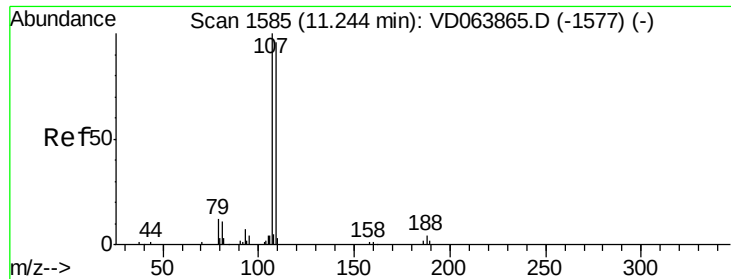
Tgt Ion: 43 Resp: 224771
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.0



#60
Dibromochloromethane
Concen: 51.590 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion: 129 Resp: 107858
Ion Ratio Lower Upper
129 100
127 76.6 39.9 119.6

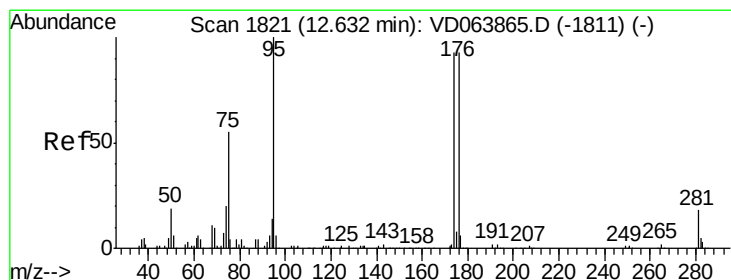
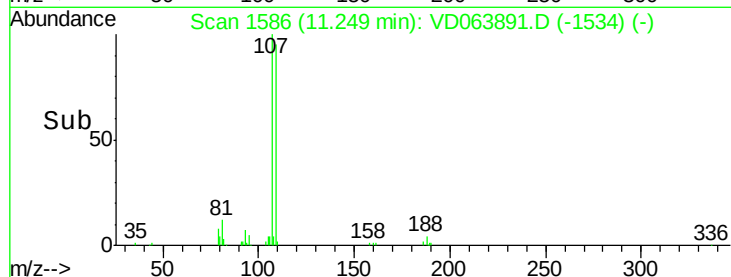
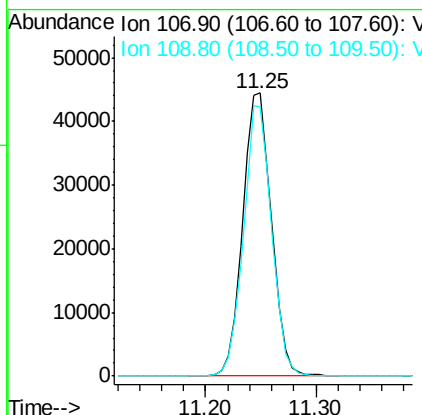
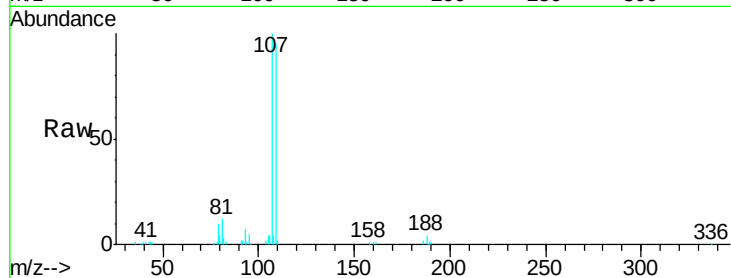




#61
 1,2-Dibromoethane
 Concen: 52.363 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

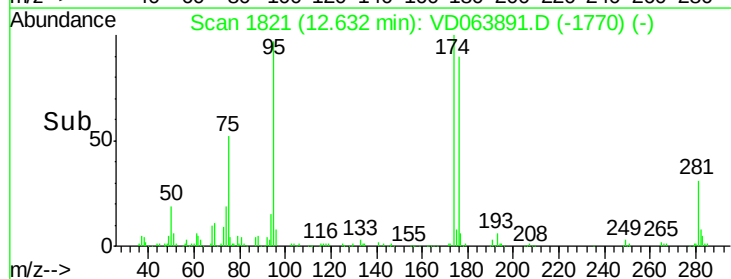
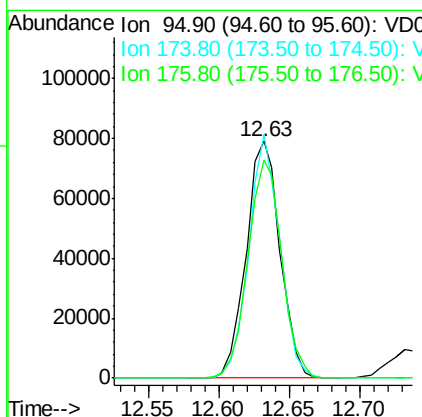
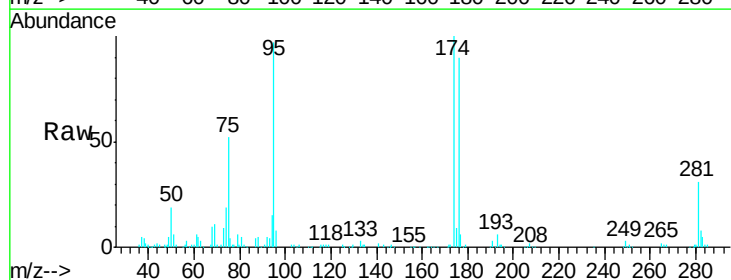
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

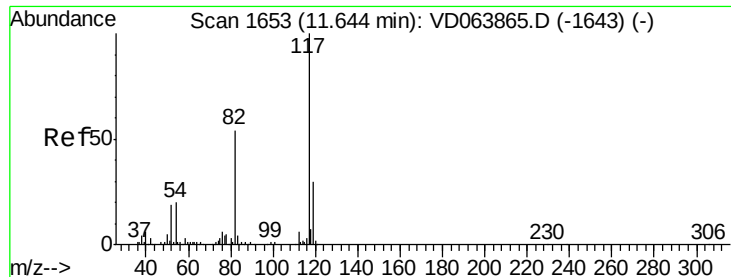
Tgt Ion: 107 Resp: 81521
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.567 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 95 Resp: 133041
 Ion Ratio Lower Upper
 95 100
 174 94.1 0.0 186.4
 176 92.2 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

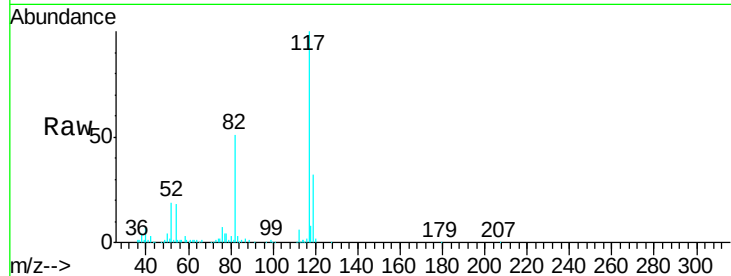
Tgt Ion:117 Resp: 317314

Ion Ratio Lower Upper

117 100

82 51.1 42.8 64.2

119 31.6 24.4 36.6

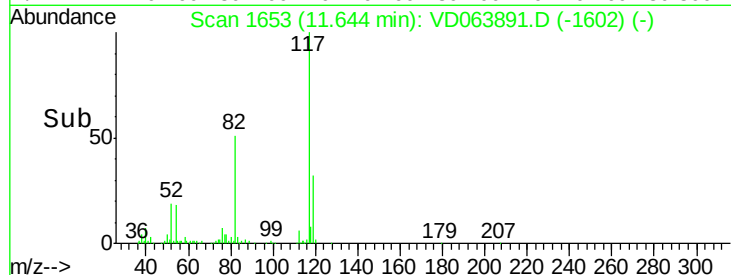


Abundance Ion 116.90 (116.60 to 117.60): V

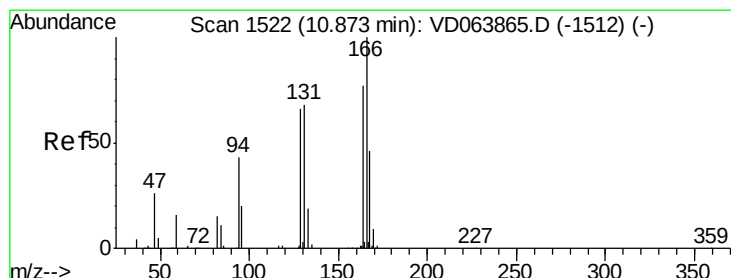
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 49.011 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:164 Resp: 106169

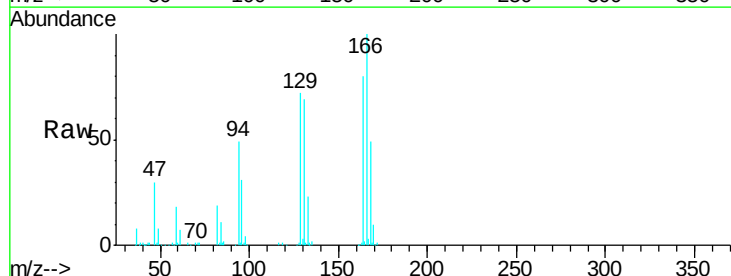
Ion Ratio Lower Upper

164 100

166 125.3 103.8 155.6

129 90.0 68.9 103.3

131 86.5 70.9 106.3



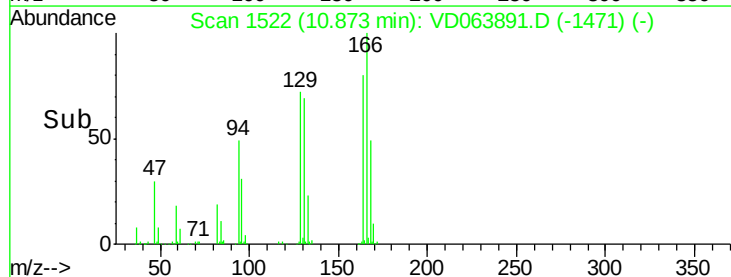
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

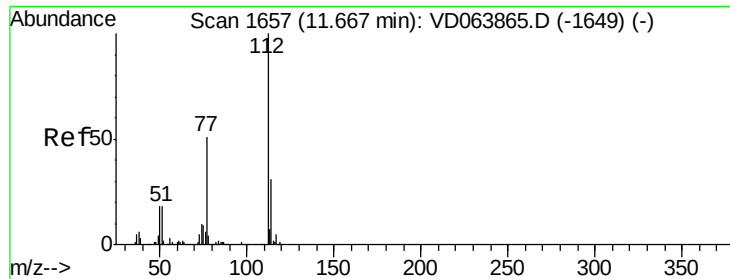
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



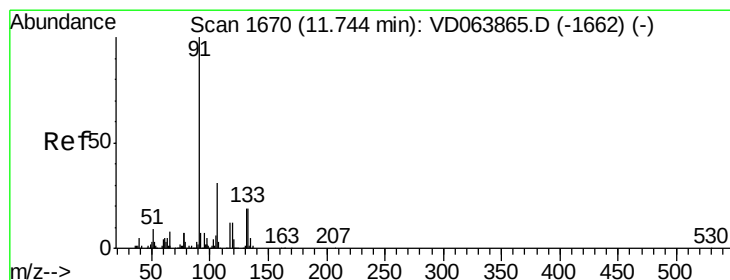
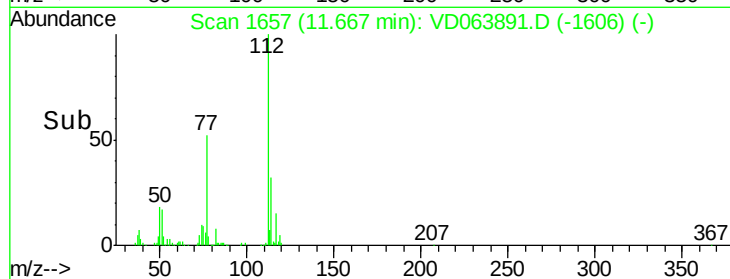
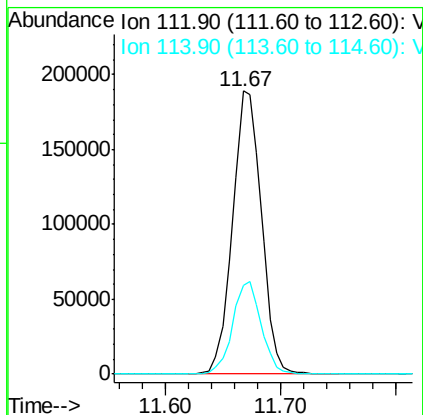
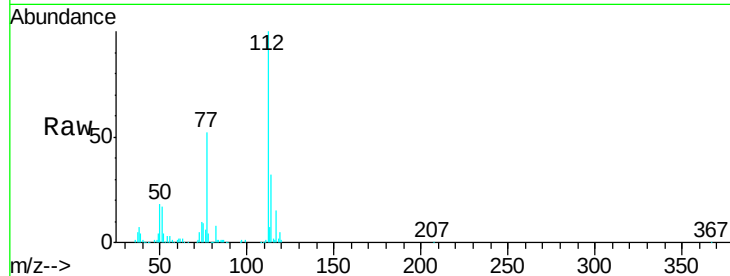
Time-->



#65
Chlorobenzene
Concen: 51.278 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

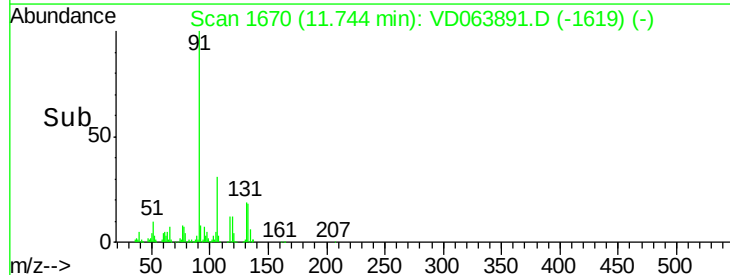
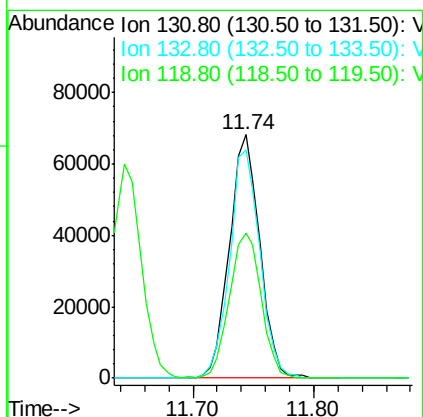
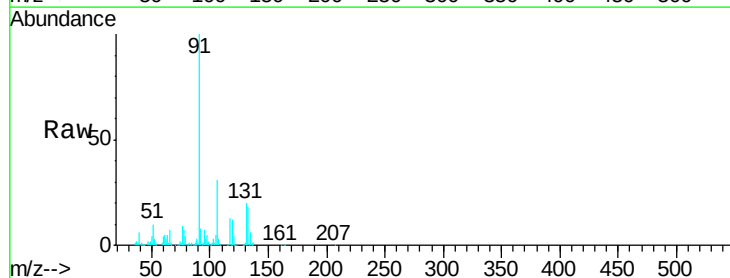
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

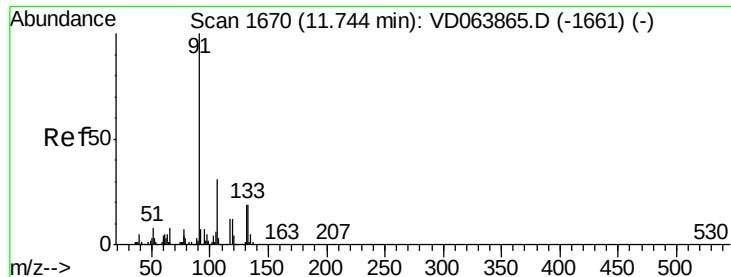
Tgt Ion:112 Resp: 326774
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.800 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion:131 Resp: 119285
Ion Ratio Lower Upper
131 100
133 93.8 48.9 146.7
119 62.3 32.6 97.8





#67

Ethyl Benzene

Concen: 50.343 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

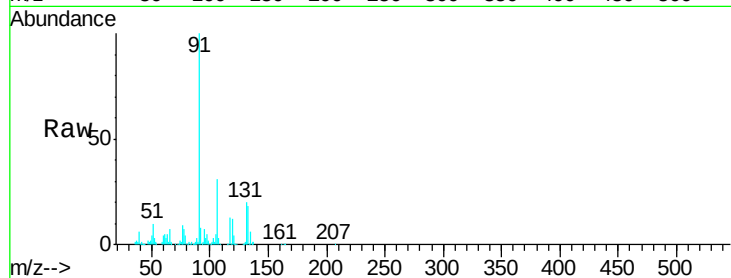
VSTDCCC050EC

Tgt Ion: 91 Resp: 578483

Ion Ratio Lower Upper

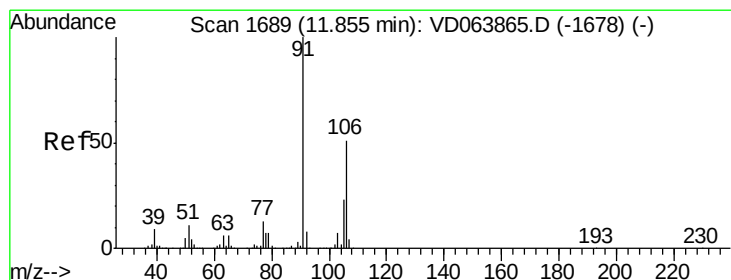
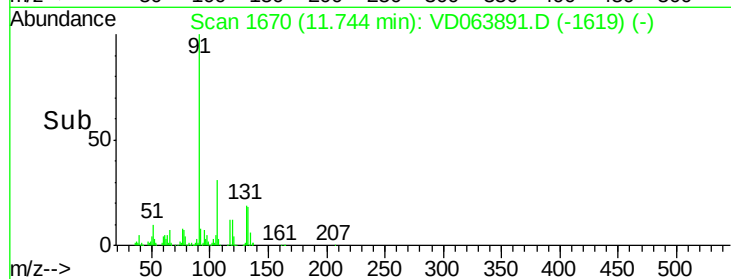
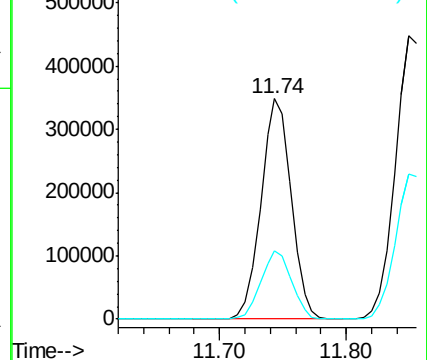
91 100

106 30.9 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.590 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD063891.D

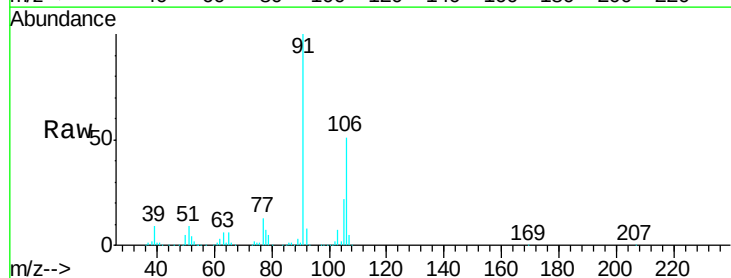
Acq: 04 Oct 2019 18:06

Tgt Ion: 106 Resp: 446139

Ion Ratio Lower Upper

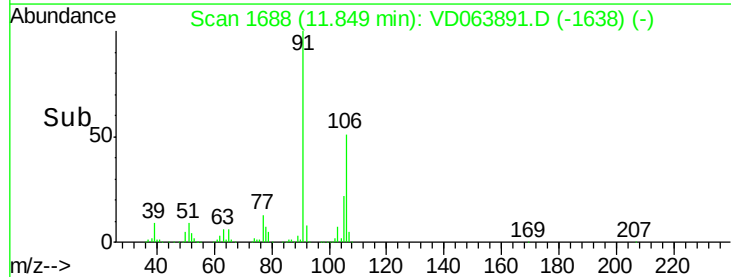
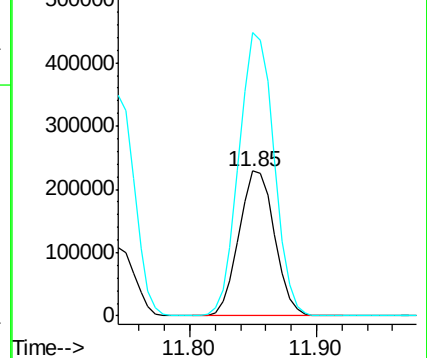
106 100

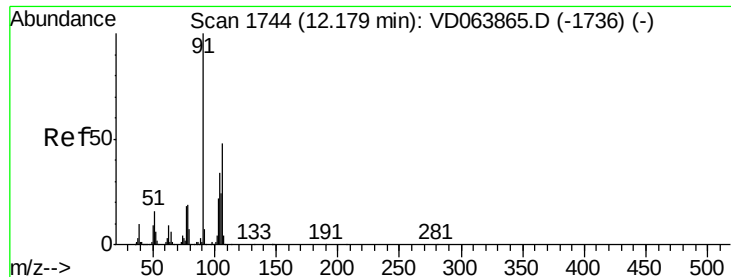
91 193.5 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

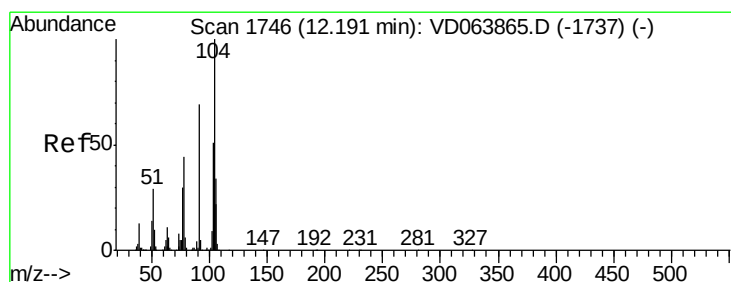
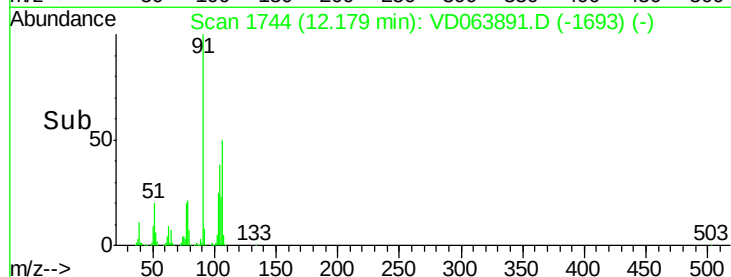
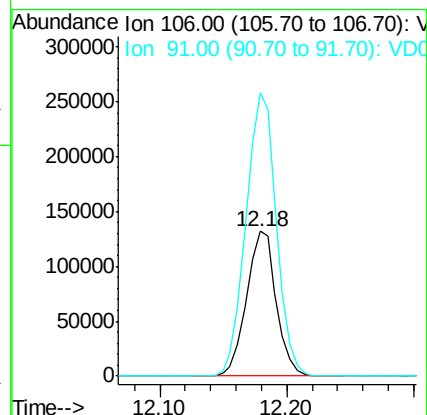
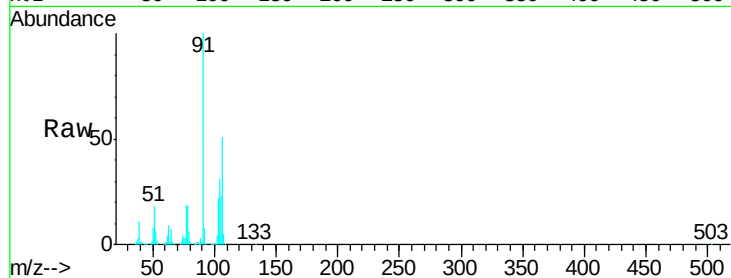




#69
o-Xylene
Concen: 50.251 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

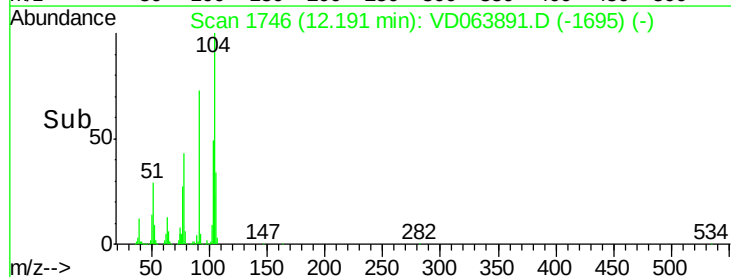
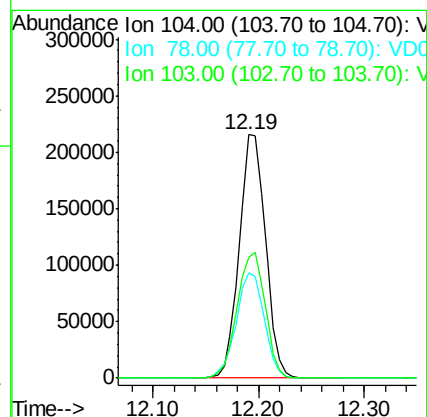
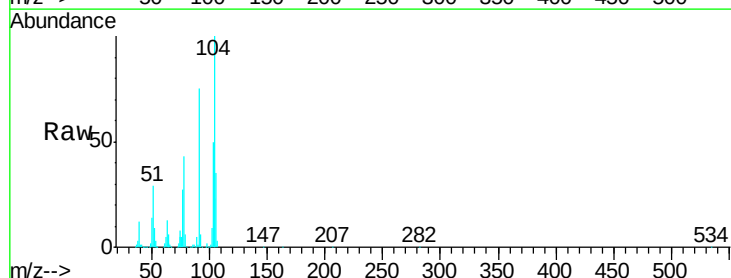
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

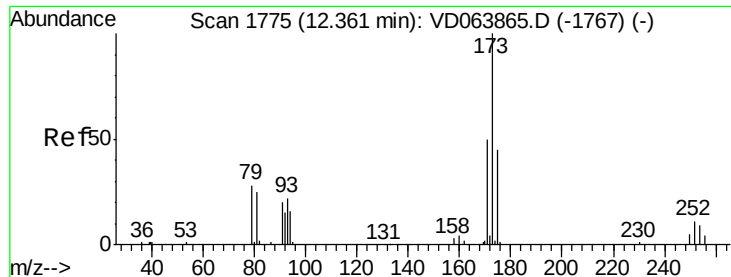
Tgt Ion:106 Resp: 213412
Ion Ratio Lower Upper
106 100
91 201.5 103.9 311.7



#70
Styrene
Concen: 51.508 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion:104 Resp: 370312
Ion Ratio Lower Upper
104 100
78 46.4 37.0 55.4
103 55.2 44.2 66.4

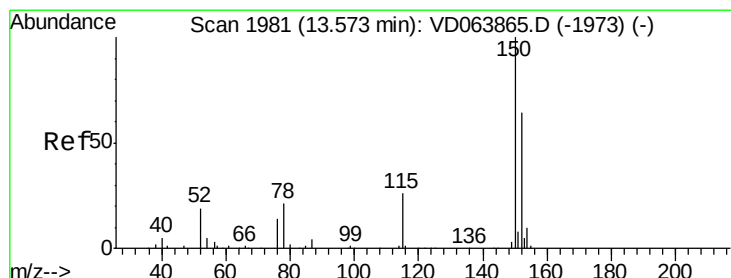
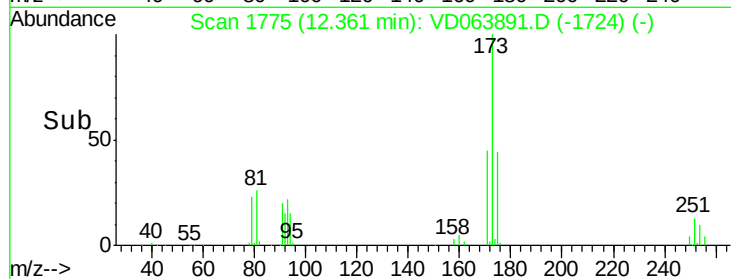
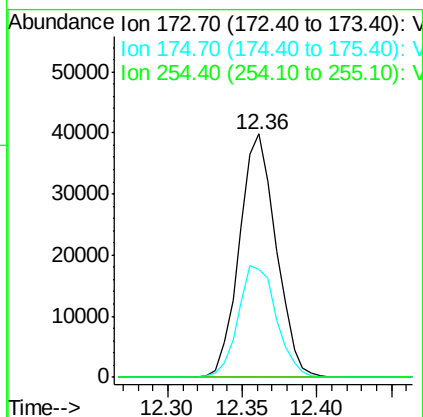
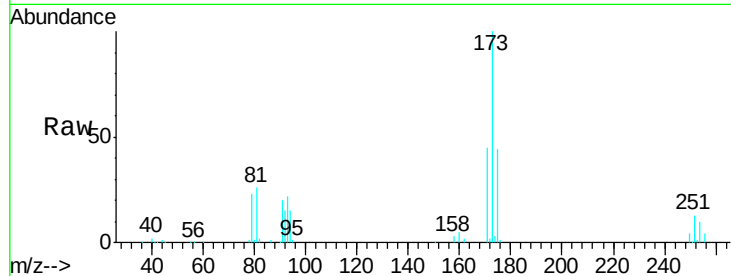




#71
Bromoform
Concen: 53.860 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

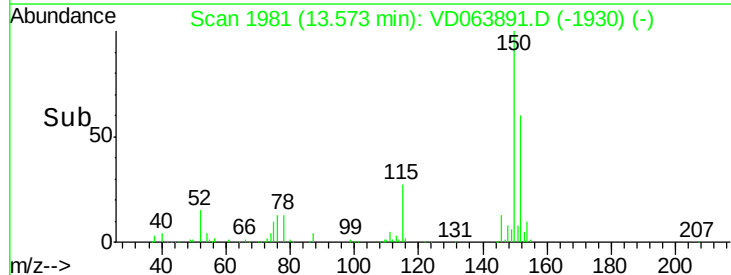
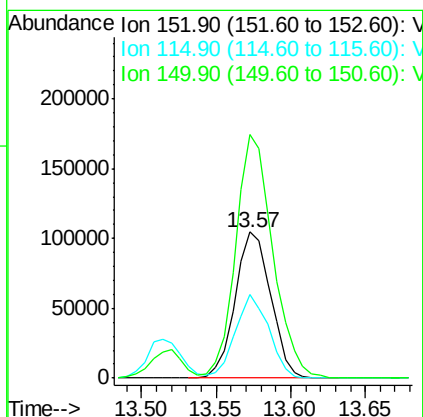
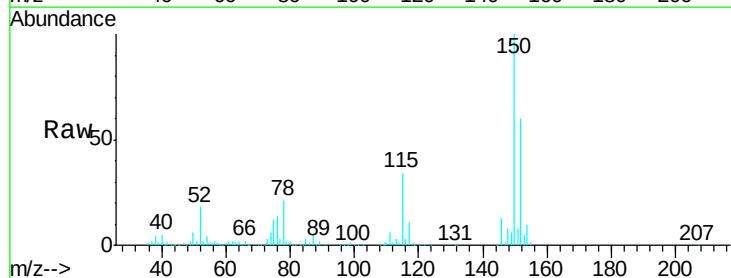
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

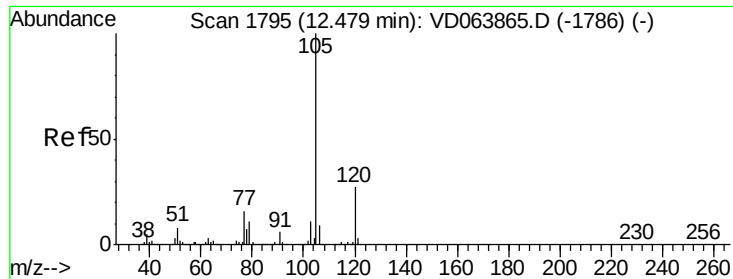
Tgt Ion:173 Resp: 67873
Ion Ratio Lower Upper
173 100
175 47.5 24.6 74.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion:152 Resp: 173256
Ion Ratio Lower Upper
152 100
115 54.5 25.9 77.7
150 173.7 0.0 344.2





#73

Isopropylbenzene

Concen: 47.867 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

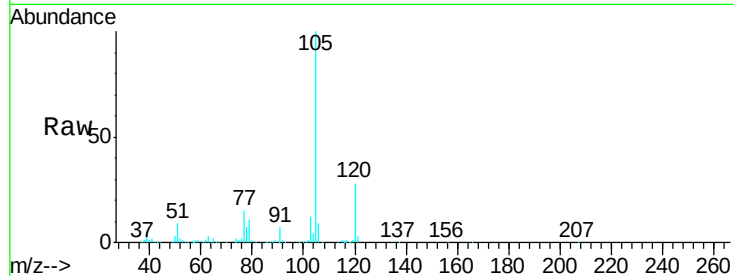
VSTDCCC050EC

Tgt Ion:105 Resp: 557519

Ion Ratio Lower Upper

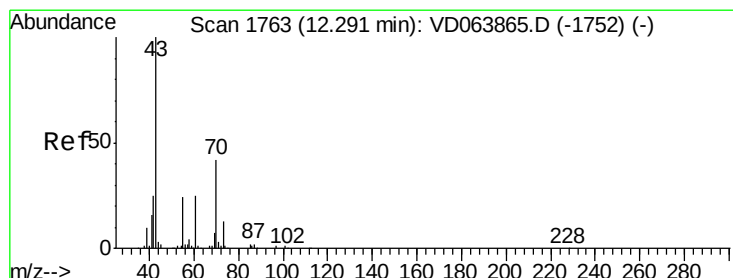
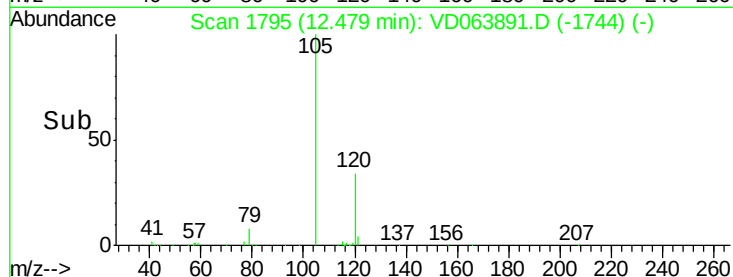
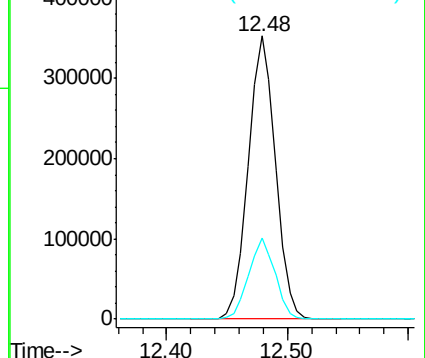
105 100

120 27.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.741 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion: 43 Resp: 117211

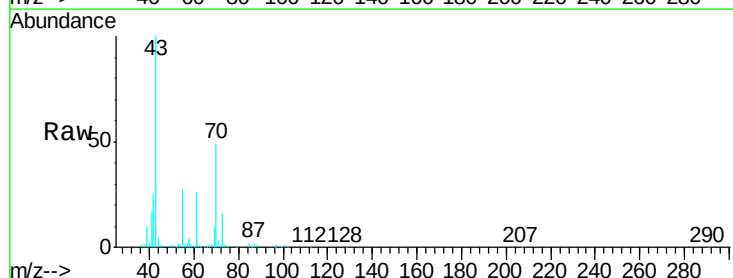
Ion Ratio Lower Upper

43 100

70 45.0 35.8 53.6

55 24.7 19.4 29.0

61 25.1 20.4 30.6

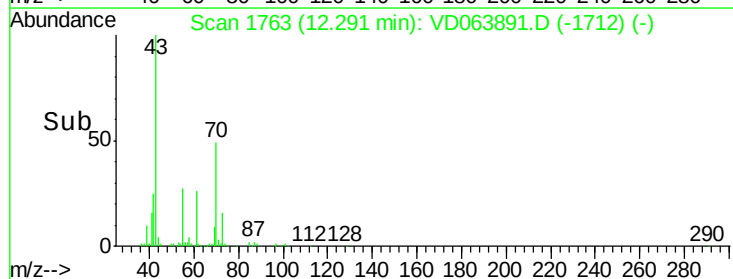
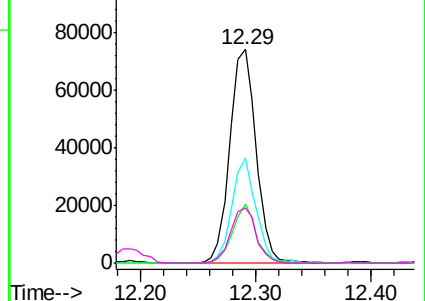


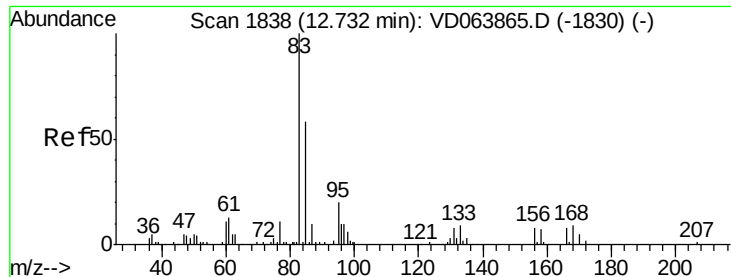
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.965 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

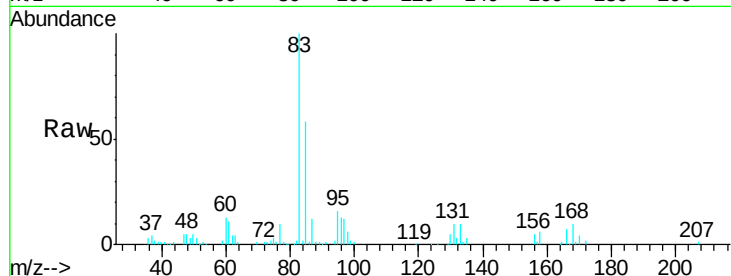
Tgt Ion: 83 Resp: 97213

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

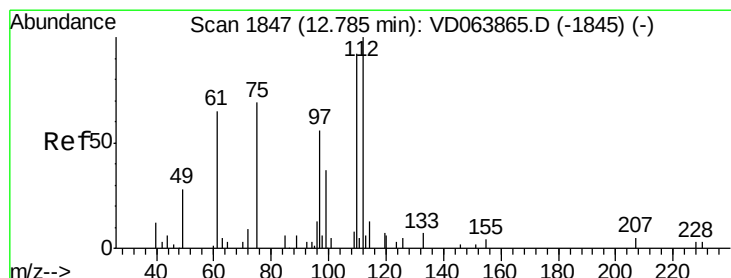
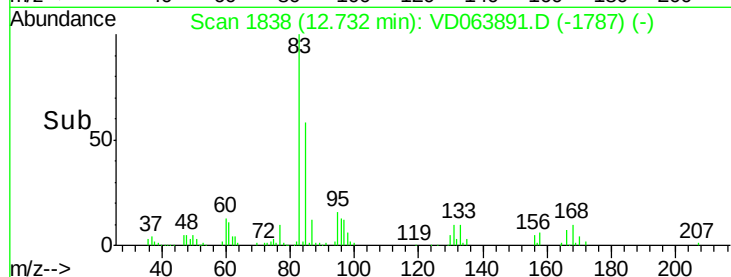
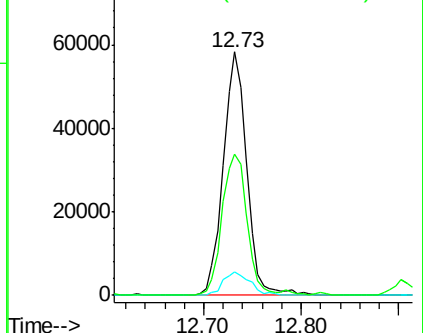
85 61.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 101.884 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD063891.D

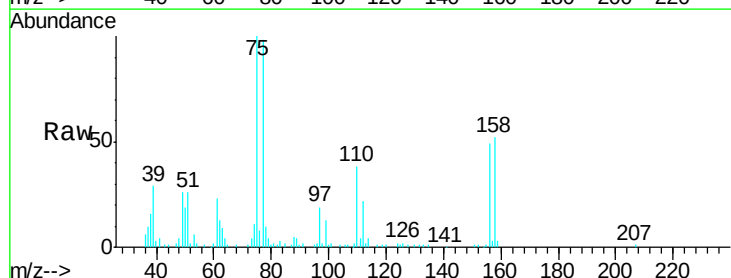
Acq: 04 Oct 2019 18:06

Tgt Ion: 75 Resp: 118228

Ion Ratio Lower Upper

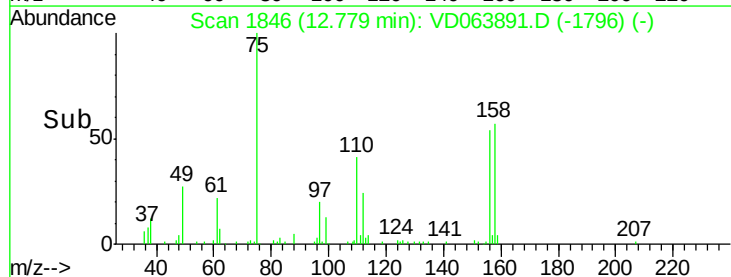
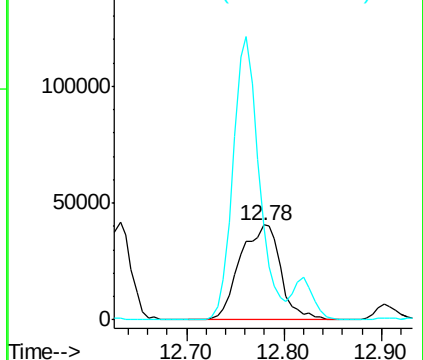
75 100

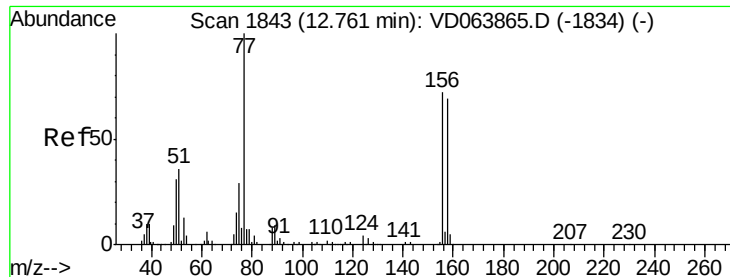
77 192.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.235 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

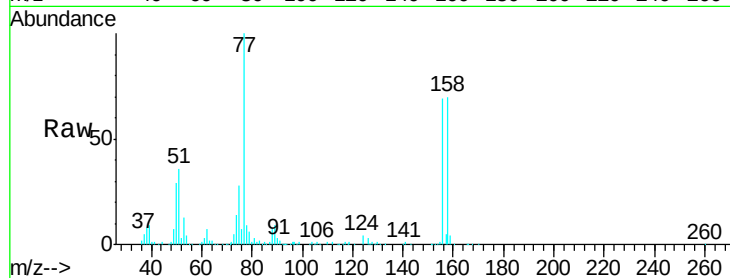
Tgt Ion:156 Resp: 139969

Ion Ratio Lower Upper

156 100

77 162.2 80.3 241.0

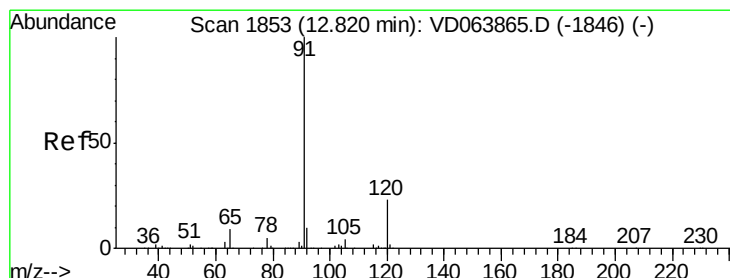
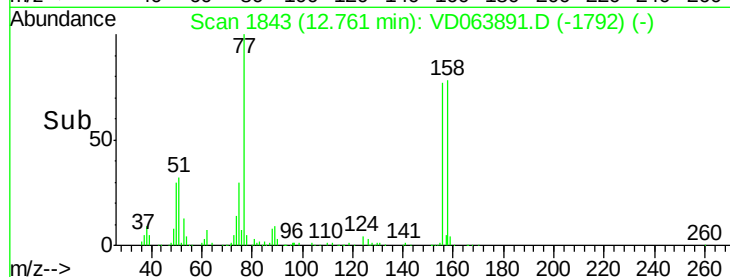
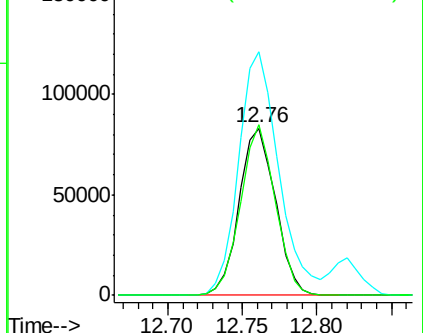
158 97.5 47.4 142.2



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: 49.123 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063891.D

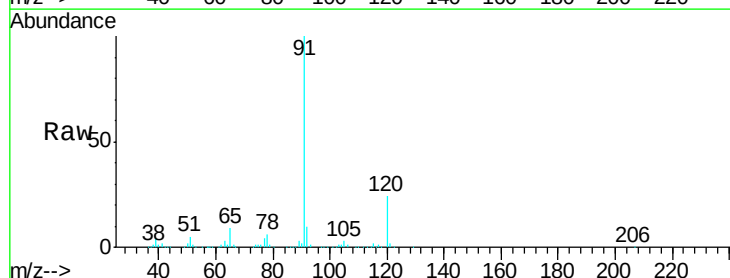
Acq: 04 Oct 2019 18:06

Tgt Ion: 91 Resp: 671577

Ion Ratio Lower Upper

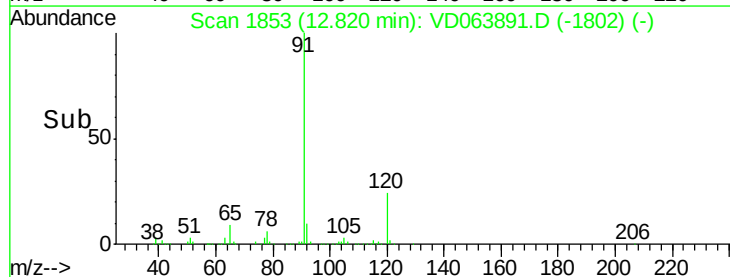
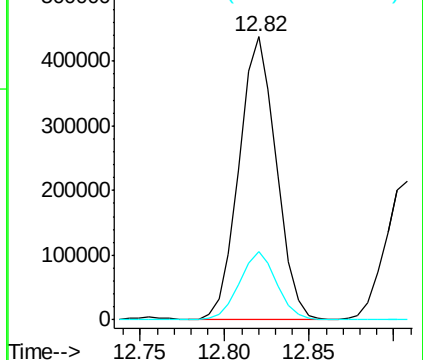
91 100

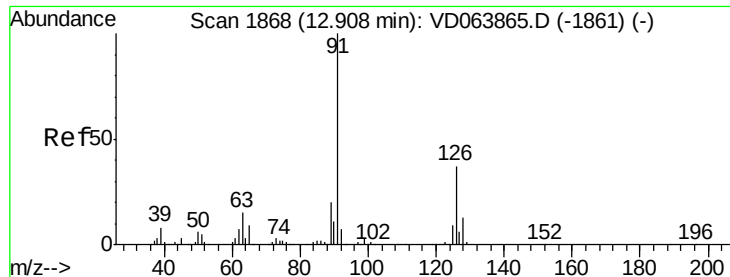
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

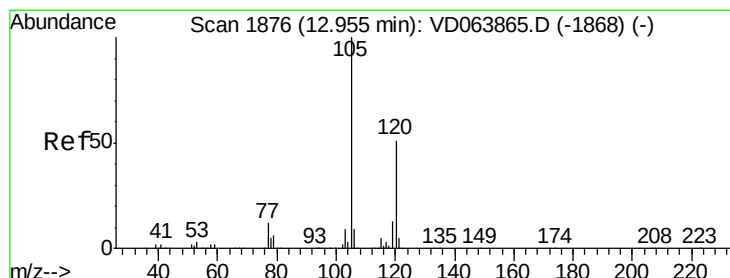
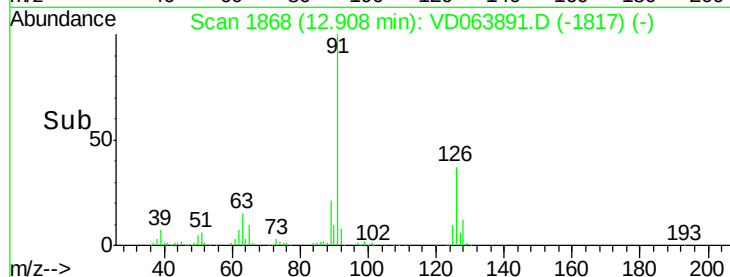
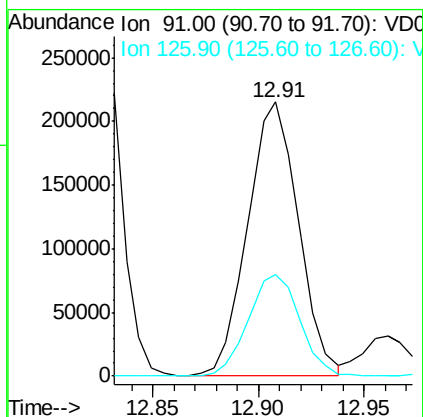
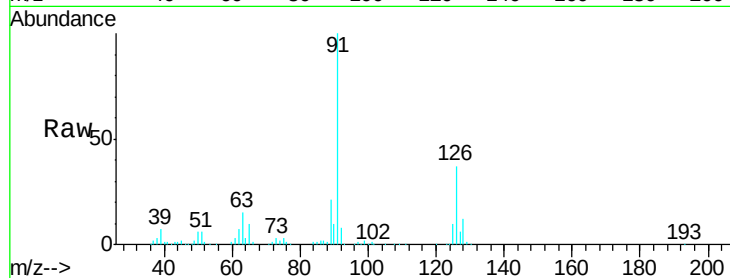




#79
 2-Chlorotoluene
 Concen: 47.772 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

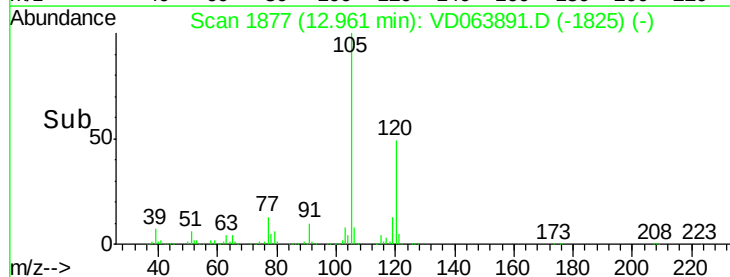
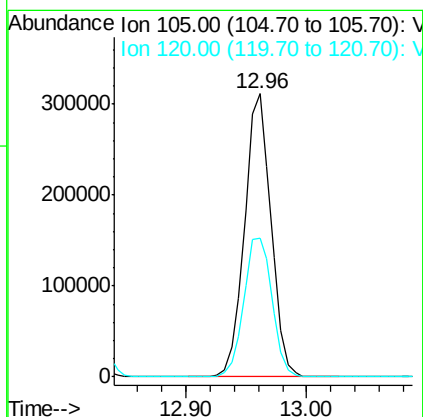
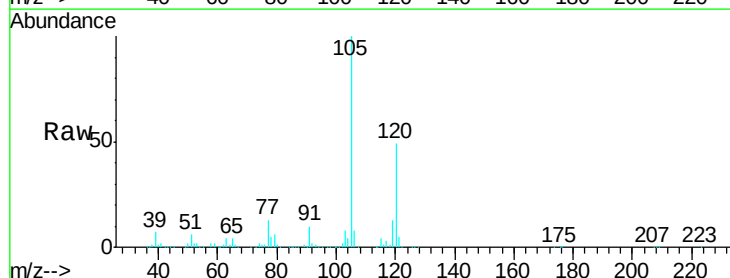
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

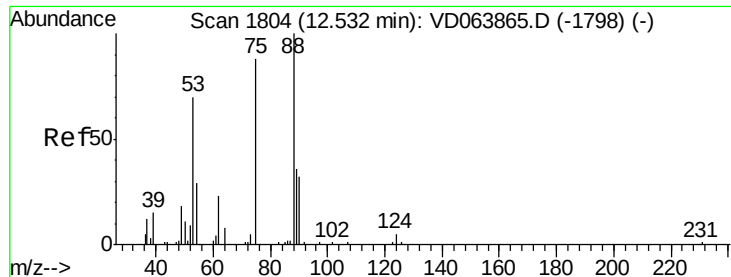
Tgt Ion: 91 Resp: 360118
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 49.003 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion: 105 Resp: 476162
 Ion Ratio Lower Upper
 105 100
 120 52.4 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.924 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

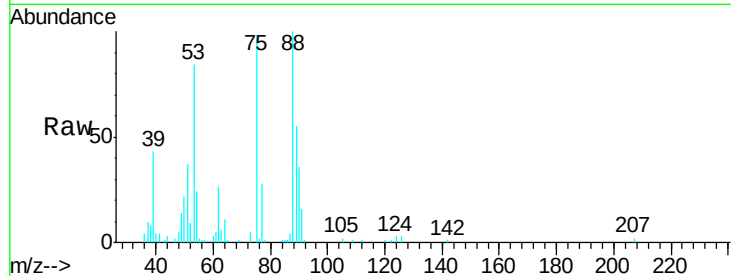
Tgt Ion: 75 Resp: 32738

Ion Ratio Lower Upper

75 100

53 86.9 75.0 112.6

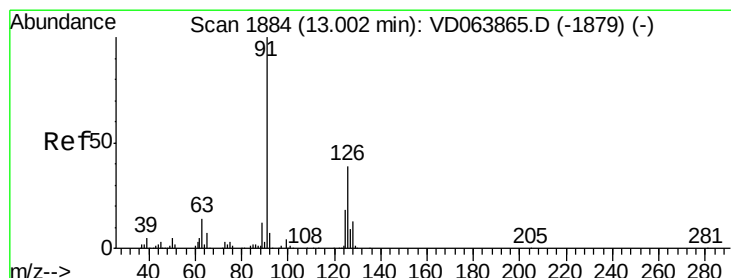
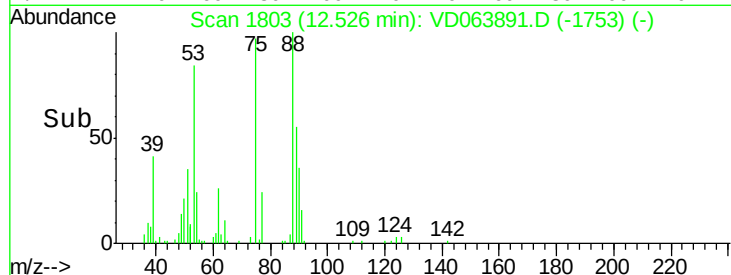
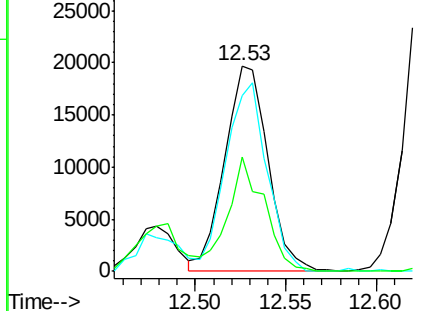
89 46.7 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.282 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063891.D

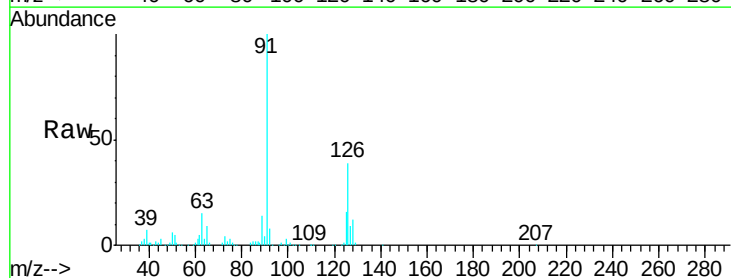
Acq: 04 Oct 2019 18:06

Tgt Ion: 91 Resp: 386097

Ion Ratio Lower Upper

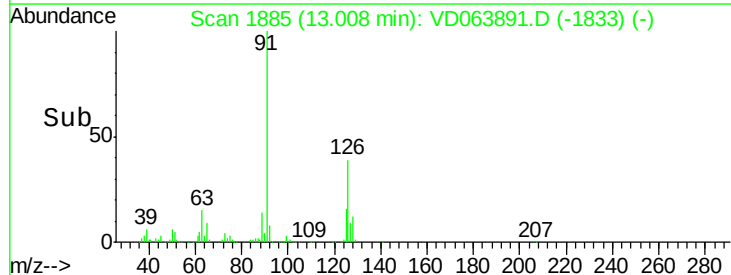
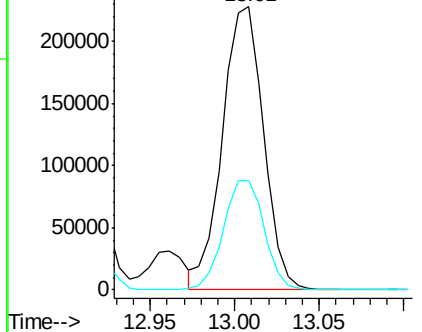
91 100

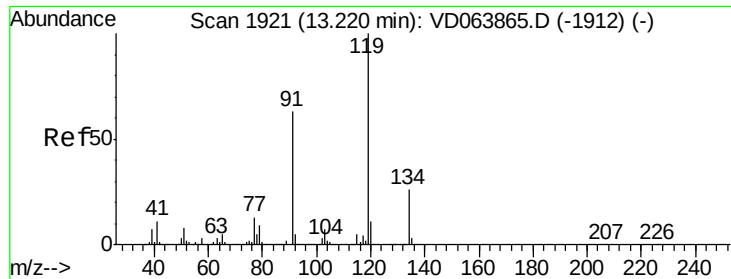
126 38.5 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

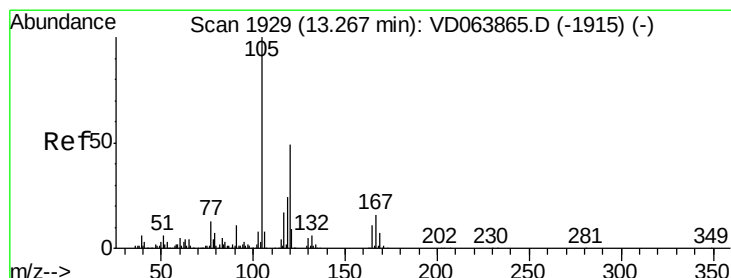
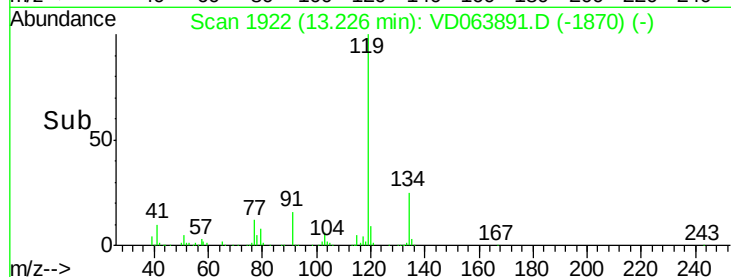
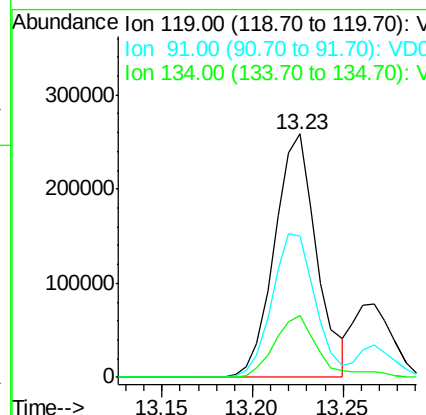
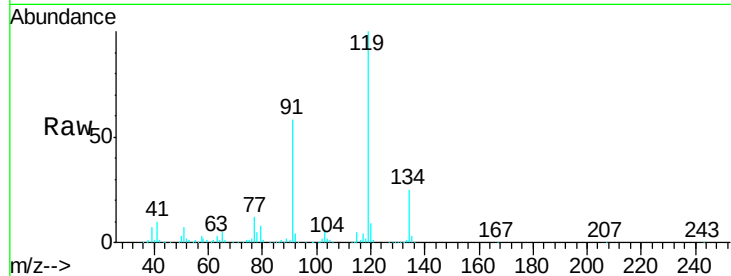




#83
 tert-Butylbenzene
 Concen: 48.452 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

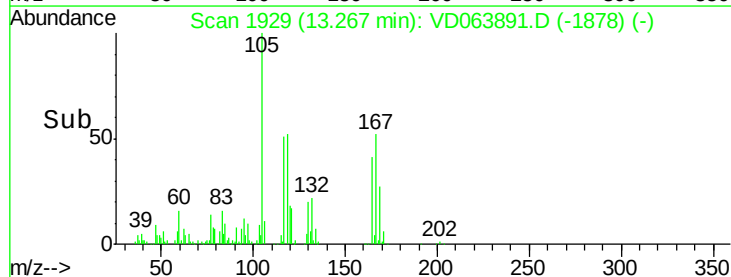
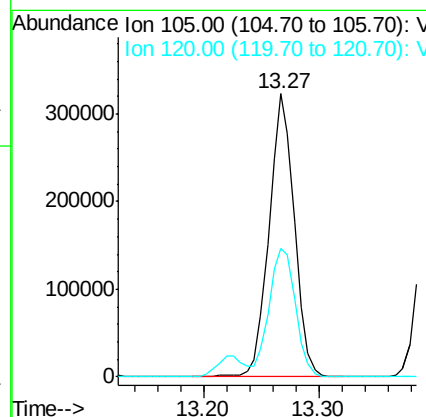
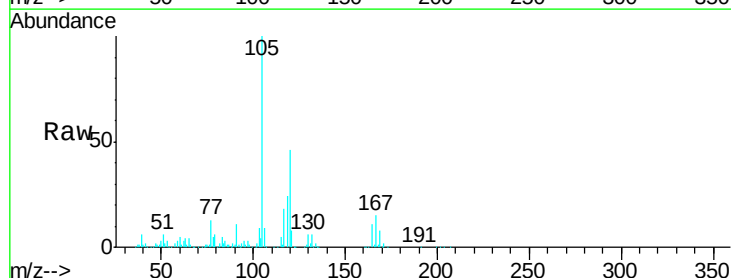
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

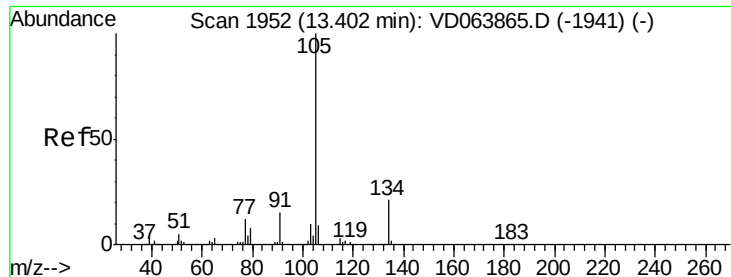
Tgt Ion:119 Resp: 419002
 Ion Ratio Lower Upper
 119 100
 91 60.3 30.0 90.0
 134 27.0 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.242 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion:105 Resp: 493278
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.8 71.5





#85

sec-Butylbenzene

Concen: 48.731 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

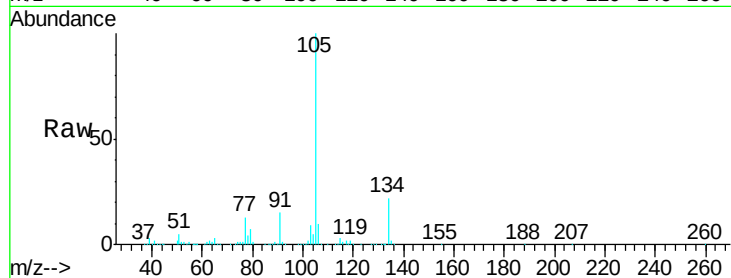
VSTDCCC050EC

Tgt Ion:105 Resp: 569109

Ion Ratio Lower Upper

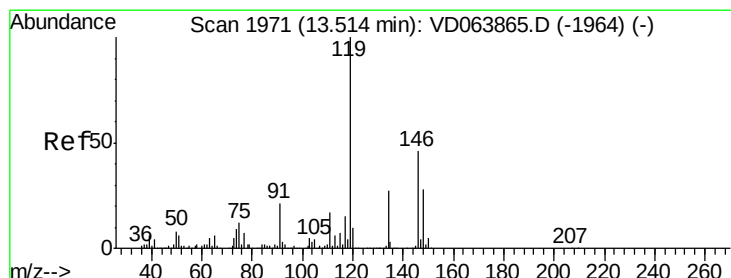
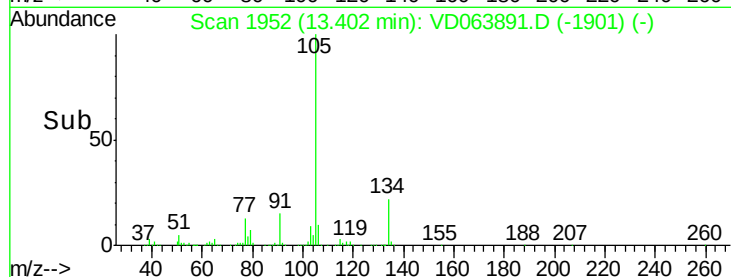
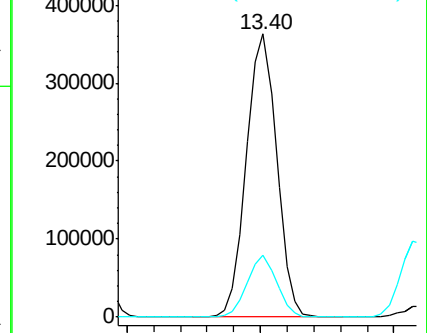
105 100

134 21.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.878 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

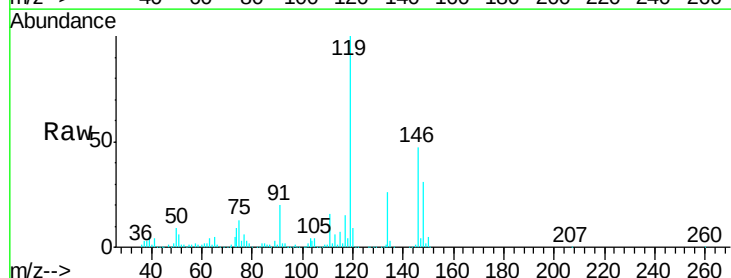
Tgt Ion:119 Resp: 551206

Ion Ratio Lower Upper

119 100

134 26.8 13.9 41.6

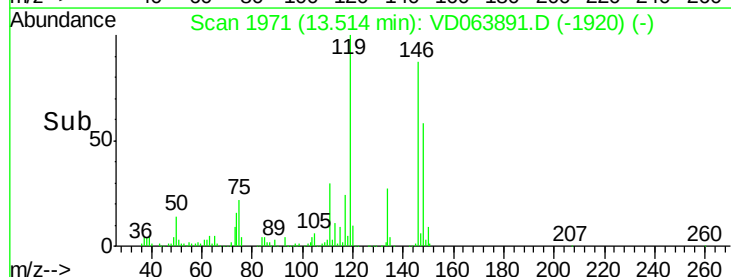
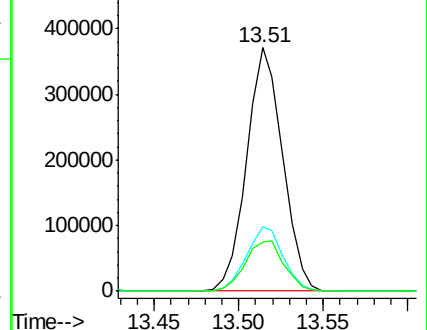
91 22.1 11.2 33.5

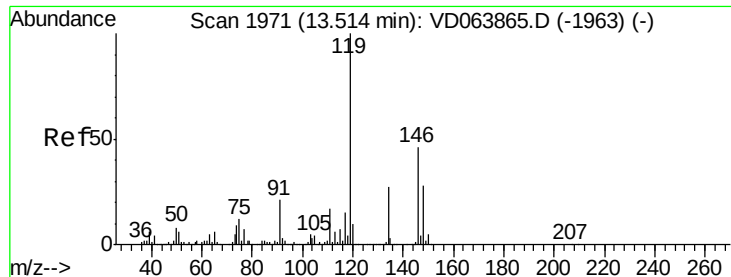


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

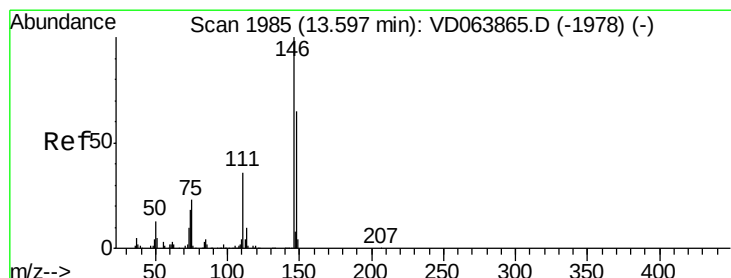
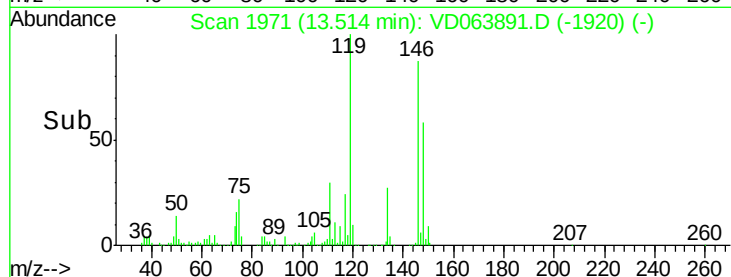
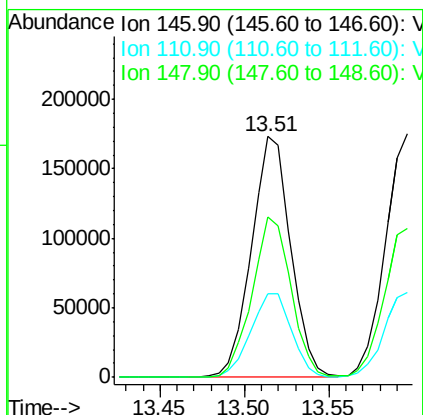
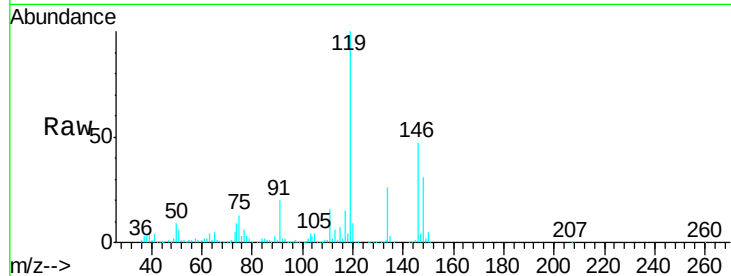




#87
 1,3-Dichlorobenzene
 Concen: 48.724 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

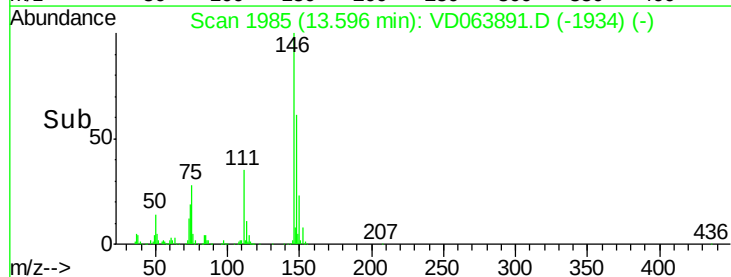
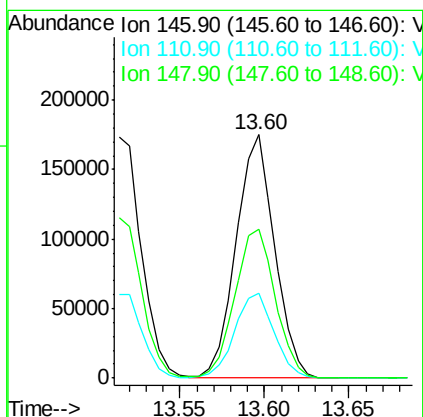
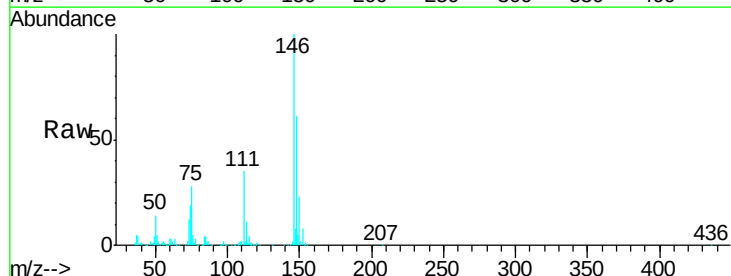
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

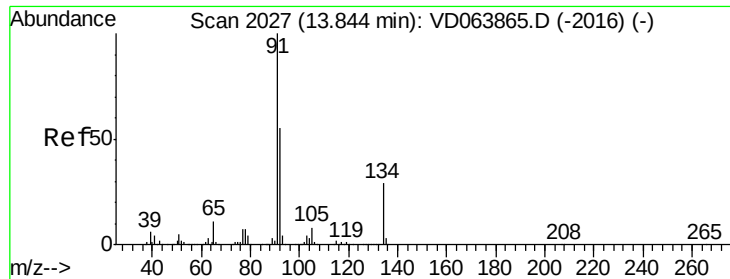
Tgt Ion:146 Resp: 279364
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.3 54.9
 148 65.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.203 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion:146 Resp: 278313
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.6 56.0
 148 64.0 32.6 98.0

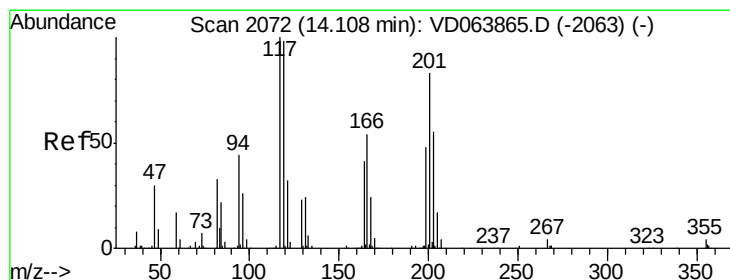
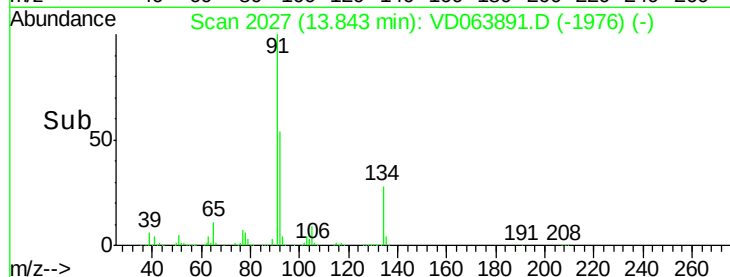
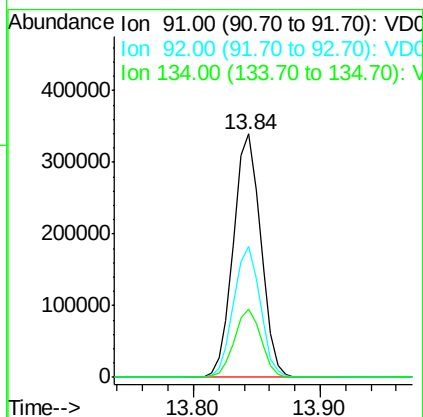
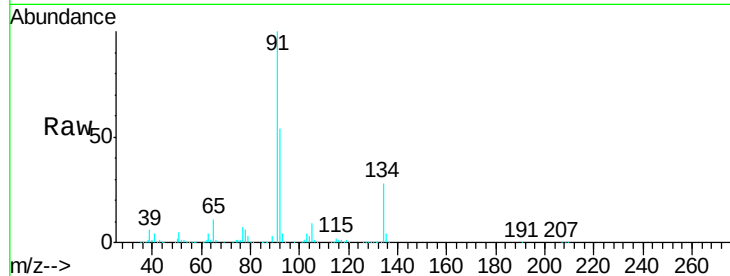




#89
n-Butylbenzene
Concen: 49.452 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

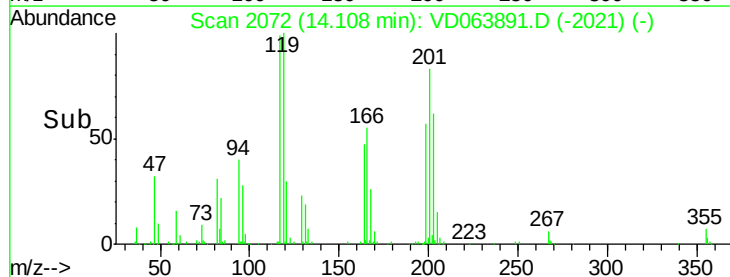
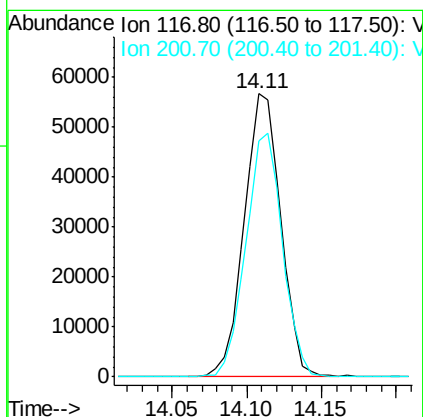
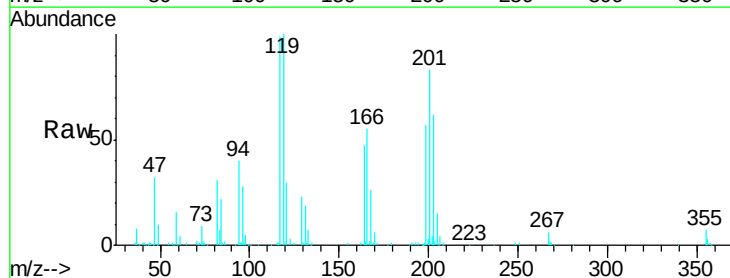
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

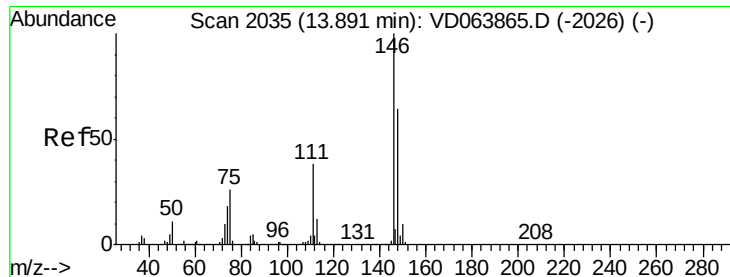
Tgt Ion: 91 Resp: 508698
Ion Ratio Lower Upper
91 100
92 52.4 26.8 80.3
134 27.3 14.4 43.0



#90
Hexachloroethane
Concen: 48.333 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion: 117 Resp: 96067
Ion Ratio Lower Upper
117 100
201 86.1 40.6 121.7





#91

1,2-Dichlorobenzene

Concen: 49.289 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

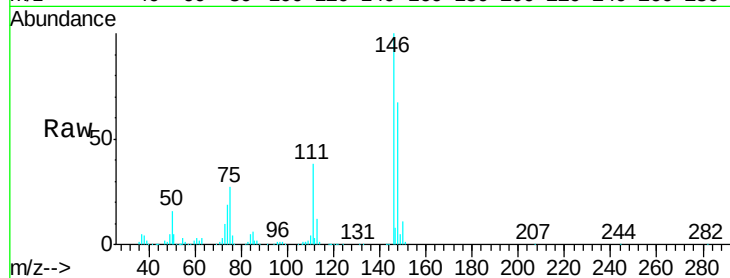
Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	243542
Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.6
148	65.0	31.6	95.0

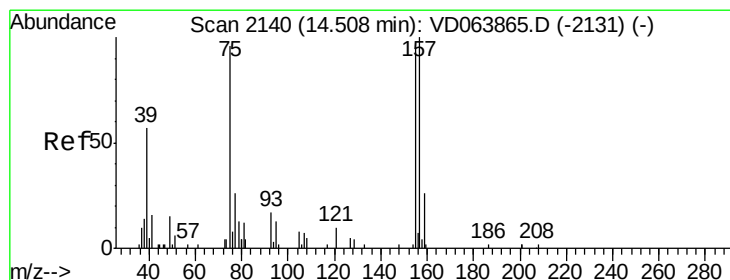
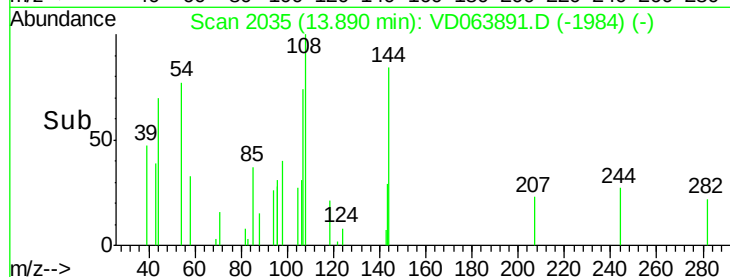
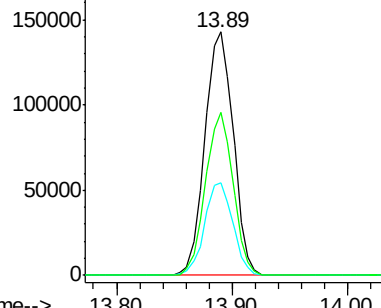


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.329 ug/l

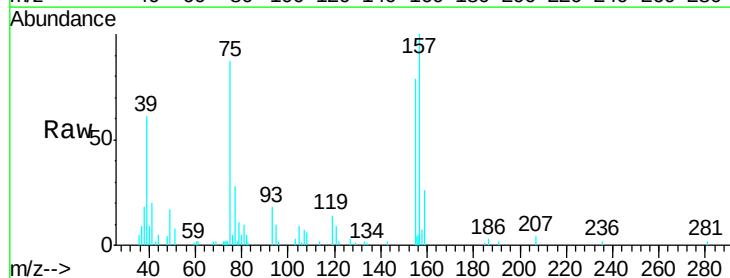
RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063891.D

Acq: 04 Oct 2019 18:06

Tgt Ion:	75	Resp:	15894
Ion	Ratio	Lower	Upper
75	100		
155	94.3	43.9	131.6
157	120.2	56.0	167.9

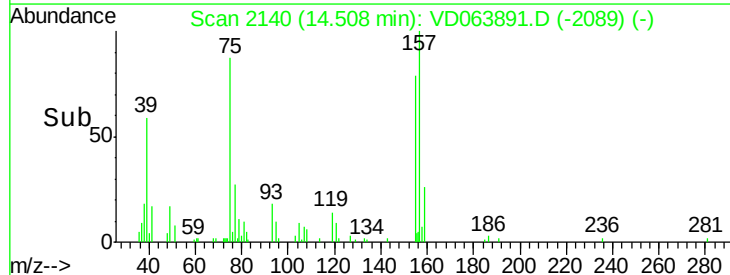
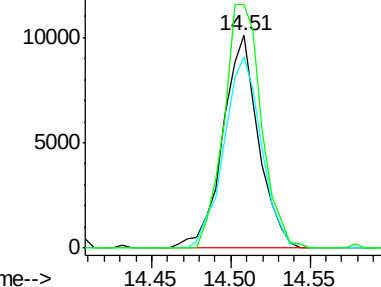


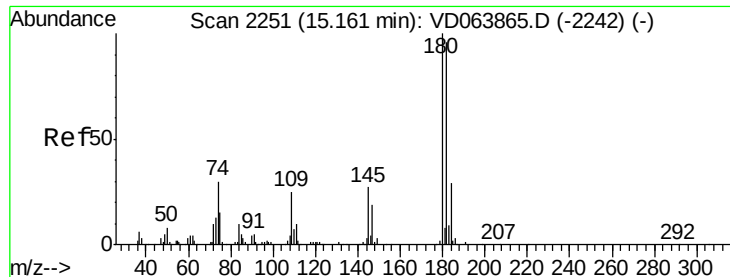
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

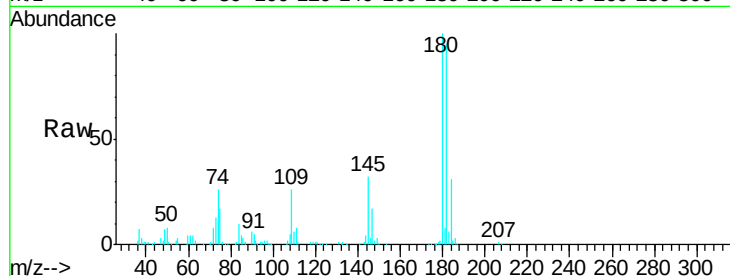




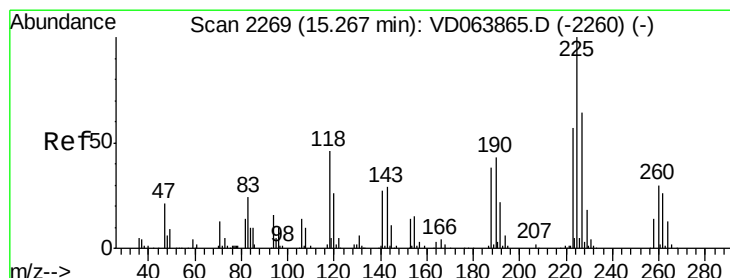
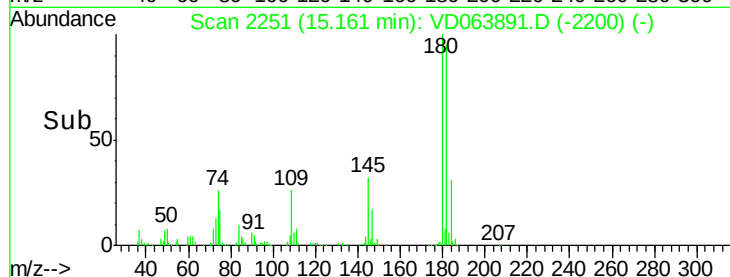
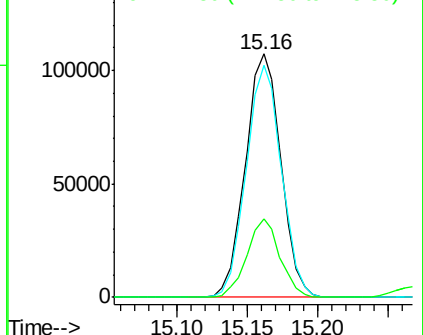
#93
 1,2,4-Trichlorobenzene
 Concen: 49.761 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.3
145	29.9	13.9	41.7

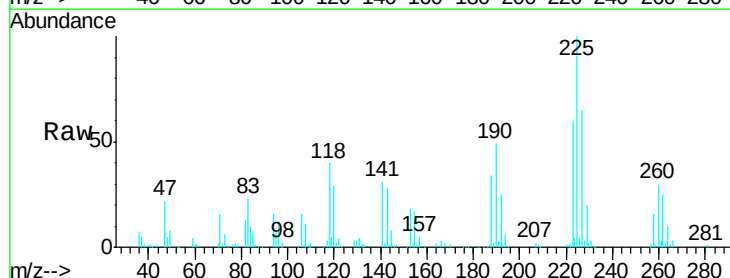


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

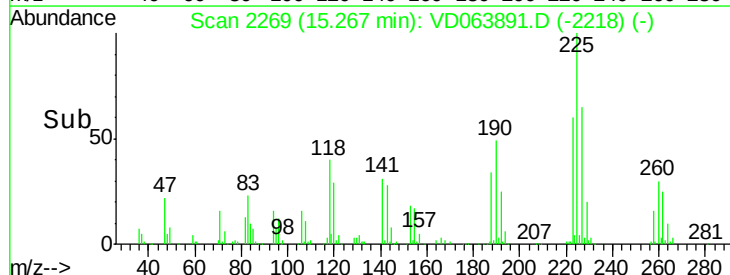
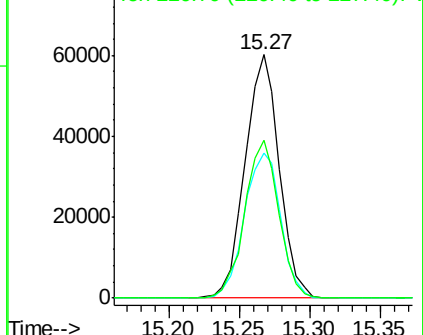


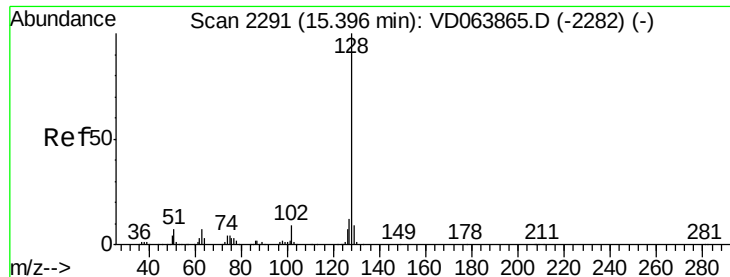
#94
 Hexachlorobutadiene
 Concen: 48.502 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063891.D
 Acq: 04 Oct 2019 18:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	29.5	88.6
227	64.6	30.8	92.4



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

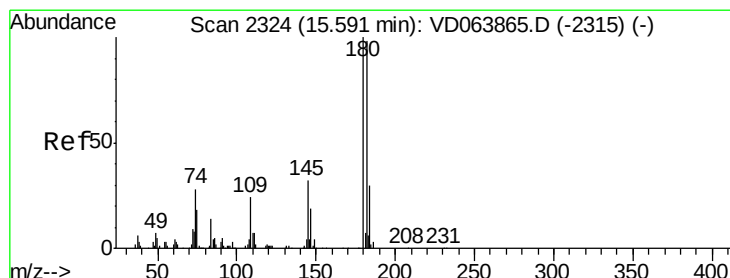
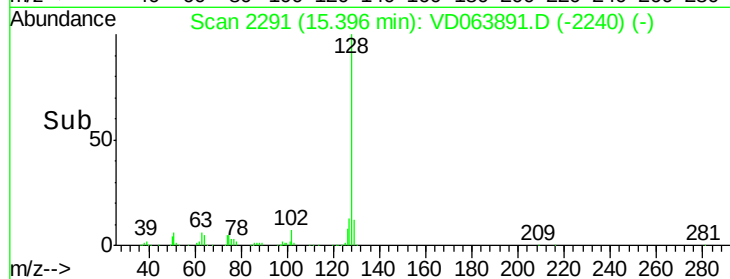
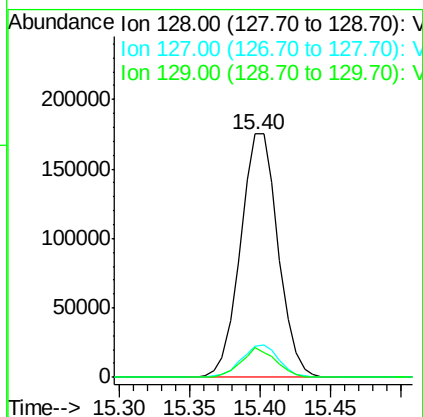
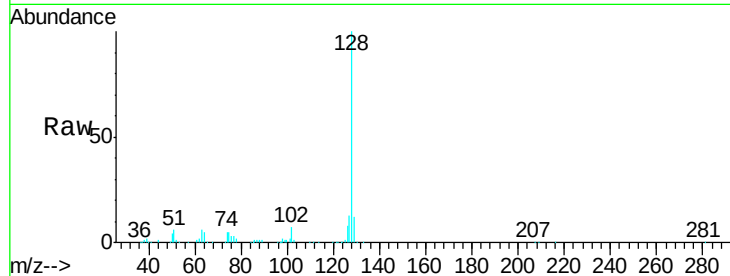




#95
Naphthalene
Concen: 51.155 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 327810
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.515 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063891.D
Acq: 04 Oct 2019 18:06

Tgt Ion:180 Resp: 166170
Ion Ratio Lower Upper
180 100
182 93.2 47.0 141.0
145 29.4 15.3 45.9

