

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100219\
 Data File : VD063861.D
 Acq On : 02 Oct 2019 15:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 03 03:29:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	200089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	325041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	320593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175639	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	90247	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	7.91	113	89435	43.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.50%	
50) Toluene-d8	10.34	98	356099	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
62) 4-Bromofluorobenzene	12.63	95	125347	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	48886	35.004	ug/l	93
3) Chloromethane	2.21	50	182601	43.245	ug/l	97
4) Vinyl Chloride	2.35	62	206189	47.729	ug/l	96
5) Bromomethane	2.77	94	111958	43.835	ug/l	99
6) Chloroethane	2.92	64	135040	45.519	ug/l	96
7) Trichlorofluoromethane	3.27	101	279501	48.412	ug/l	94
8) Diethyl Ether	3.70	74	45944	48.092	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	77185	45.739	ug/l	97
10) Methyl Iodide	4.29	142	100391	48.862	ug/l	98
11) Tert butyl alcohol	5.26	59	35520	238.411	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	73880	43.214	ug/l	92
13) Acrolein	3.93	56	32463	181.331	ug/l	94
14) Allyl chloride	4.70	41	130938	47.943	ug/l	98
15) Acrylonitrile	5.43	53	103335	248.075	ug/l	99
16) Acetone	4.16	43	110417	245.325	ug/l	99
17) Carbon Disulfide	4.40	76	262070	44.967	ug/l	97
18) Methyl Acetate	4.71	43	48887	46.713	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	211036	49.035	ug/l	100
20) Methylene Chloride	4.95	84	102540	39.948	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	94369	47.010	ug/l	98
22) Diisopropyl ether	6.36	45	281033	50.159	ug/l	94
23) Vinyl Acetate	6.30	43	842881	252.910	ug/l	99
24) 1,1-Dichloroethane	6.26	63	164301	48.032	ug/l	94
25) 2-Butanone	7.22	43	143217	250.617	ug/l	96
26) 2,2-Dichloropropane	7.20	77	151685	47.941	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109079	48.674	ug/l	98
28) Bromochloromethane	7.54	49	63891	48.568	ug/l	97
29) Tetrahydrofuran	7.56	42	85637	256.470	ug/l	96
30) Chloroform	7.71	83	179819	48.648	ug/l	96
31) Cyclohexane	7.98	56	146406	43.604	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	158341	47.508	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139899	47.591	ug/l	99
37) Ethyl Acetate	7.30	43	57744	46.020	ug/l #	79
38) Carbon Tetrachloride	8.10	117	144262	47.478	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164993	45.201	ug/l	91
40) Benzene	8.35	78	396374	48.632	ug/l	95
41) Methacrylonitrile	7.53	41	28813	40.608	ug/l	97
42) 1,2-Dichloroethane	8.43	62	116769	48.906	ug/l	98
43) Isopropyl Acetate	8.46	43	122059	49.302	ug/l	96
44) Trichloroethene	9.11	130	112171	47.432	ug/l	89
45) 1,2-Dichloropropane	9.38	63	99957	49.572	ug/l	88
46) Dibromomethane	9.47	93	56839	49.854	ug/l	98
47) Bromodichloromethane	9.66	83	145025	49.524	ug/l #	98
48) Methyl methacrylate	9.46	41	53530	47.435	ug/l	94
49) 1,4-Dioxane	9.47	88	15033	930.894	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	310763	247.497	ug/l	96
52) Toluene	10.40	92	274388	49.539	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	144364	49.700	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	165980	50.459	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	82163	51.188	ug/l	91
56) Ethyl methacrylate	10.66	69	103599	50.619	ug/l	96
57) 1,3-Dichloropropane	10.94	76	137010	49.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	195581	213.900	ug/l	98
59) 2-Hexanone	10.98	43	224086	246.090	ug/l	99
60) Dibromochloromethane	11.14	129	107863	50.864	ug/l	95
61) 1,2-Dibromoethane	11.24	107	79620	49.439	ug/l	98
64) Tetrachloroethene	10.87	164	102782	48.044	ug/l	96
65) Chlorobenzene	11.67	112	309996	48.326	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	114688	48.731	ug/l	98
67) Ethyl Benzene	11.74	91	561232	48.684	ug/l	98
68) m/p-Xylenes	11.86	106	434190	97.590	ug/l	97
69) o-Xylene	12.18	106	205797	49.144	ug/l	98
70) Styrene	12.19	104	355005	49.909	ug/l	98
71) Bromoform	12.36	173	66386	51.005	ug/l #	99
73) Isopropylbenzene	12.48	105	554407	46.667	ug/l	98
74) N-amyl acetate	12.28	43	118597	45.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	90924	45.732	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	123672	93.370	ug/l #	100
77) Bromobenzene	12.76	156	138728	48.327	ug/l	98
78) n-propylbenzene	12.82	91	650606	46.509	ug/l	99
79) 2-Chlorotoluene	12.91	91	356444	47.294	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	470296	47.517	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31592	47.523	ug/l	98
82) 4-Chlorotoluene	13.00	91	374367	46.397	ug/l	99
83) tert-Butylbenzene	13.23	119	415592	47.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	475156	47.273	ug/l	99
85) sec-Butylbenzene	13.40	105	561394	46.650	ug/l	100
86) p-Isopropyltoluene	13.51	119	542063	48.085	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	272053	48.361	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	269534	48.006	ug/l	99
89) n-Butylbenzene	13.84	91	505386	47.260	ug/l	99
90) Hexachloroethane	14.11	117	99890	47.924	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	240484	49.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16119	46.983	ug/l	93

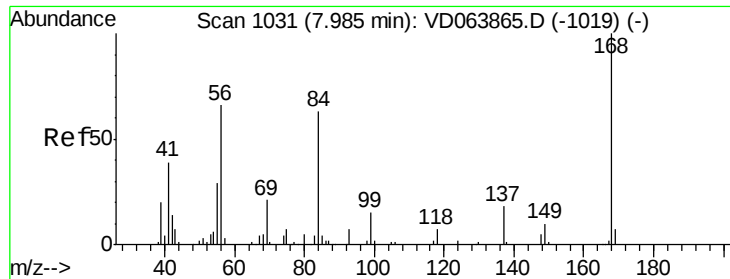
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100219\
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QLast Update : Thu Oct 03 03:24:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	182112	49.625	ug/l	98
94) Hexachlorobutadiene	15.27	225	101387	48.821	ug/l	95
95) Naphthalene	15.40	128	328230	49.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	160247	49.221	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

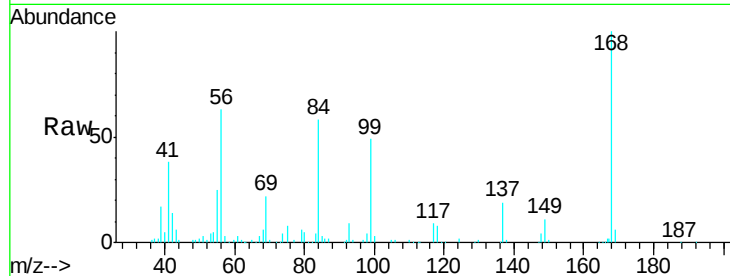
VSTDCCC050

Tgt Ion:168 Resp: 200089

Ion Ratio Lower Upper

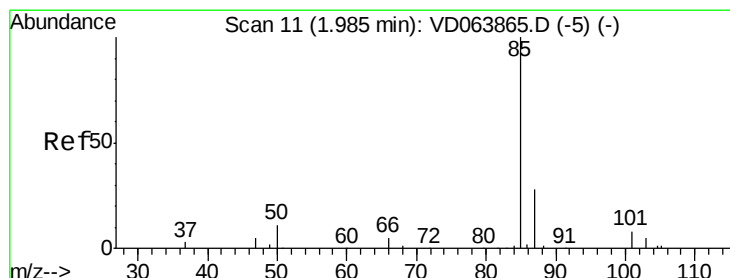
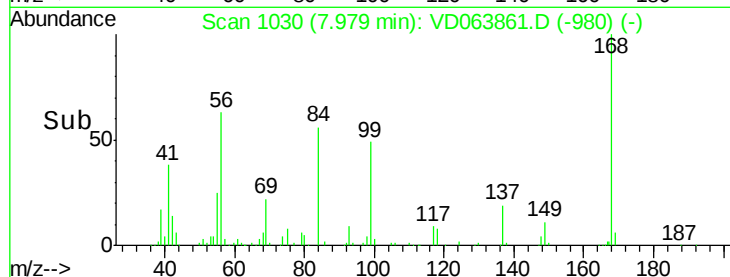
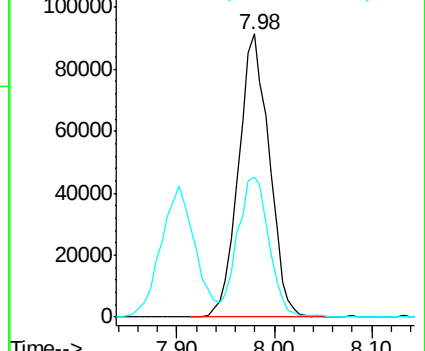
168 100

99 49.2 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: 35.004 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063861.D

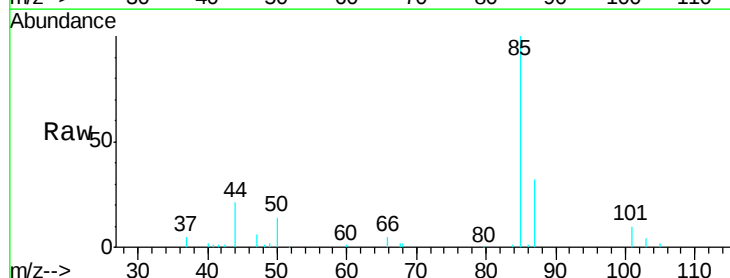
Acq: 02 Oct 2019 15:00

Tgt Ion: 85 Resp: 48886

Ion Ratio Lower Upper

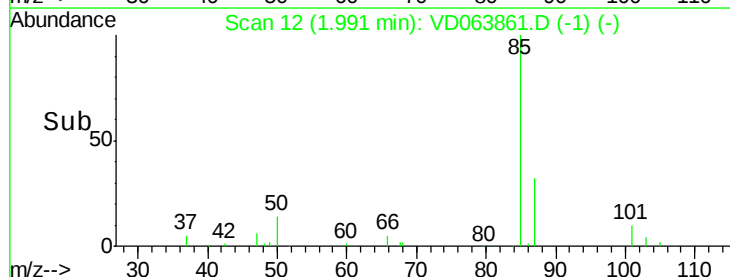
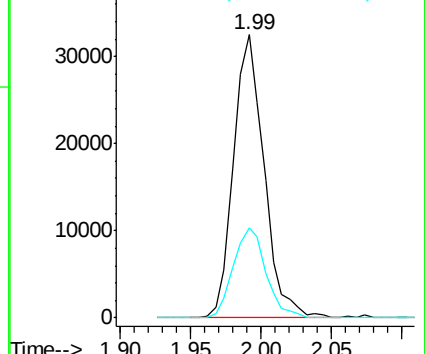
85 100

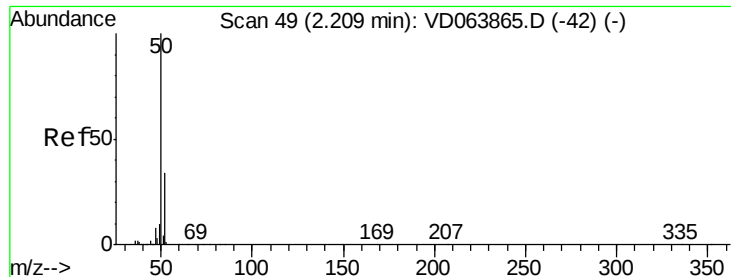
87 31.7 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.245 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

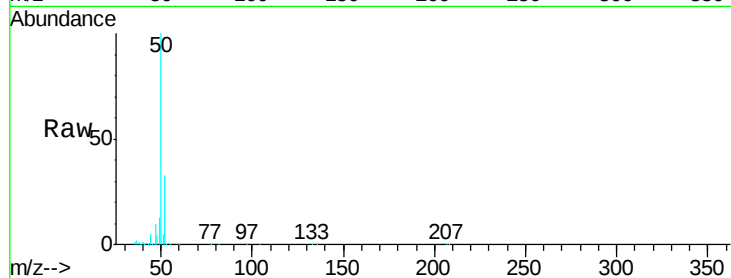
VSTDCCC050

Tgt Ion: 50 Resp: 182601

Ion Ratio Lower Upper

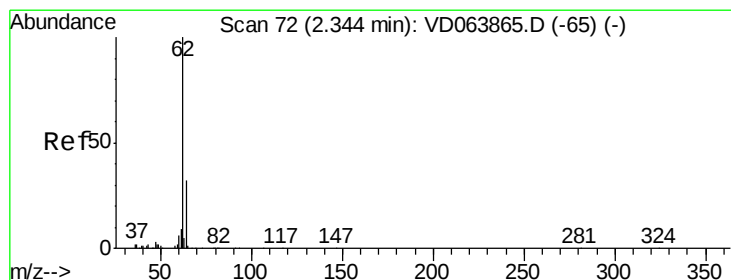
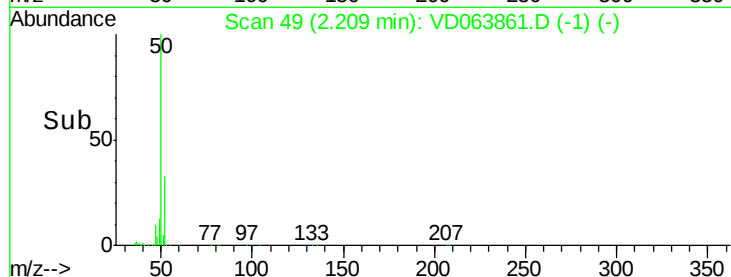
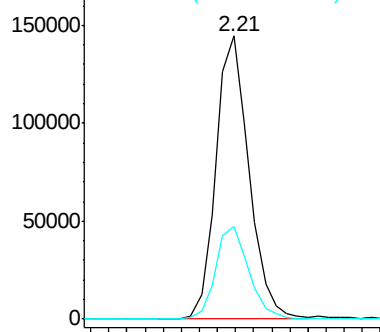
50 100

52 32.5 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: 47.729 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063861.D

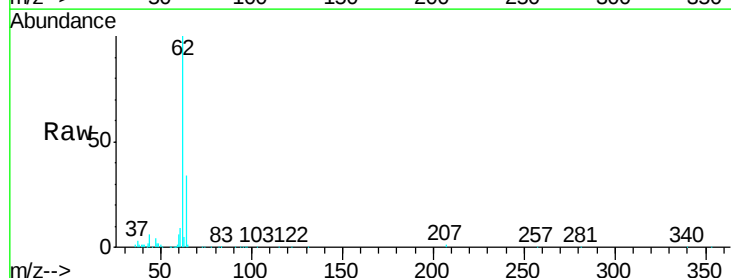
Acq: 02 Oct 2019 15:00

Tgt Ion: 62 Resp: 206189

Ion Ratio Lower Upper

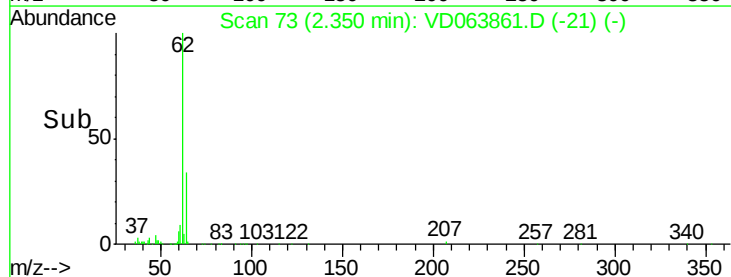
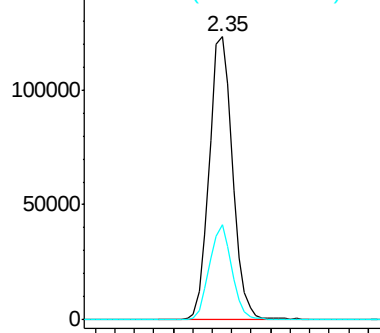
62 100

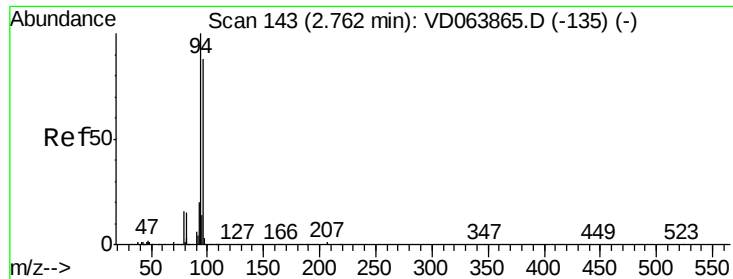
64 33.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.835 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

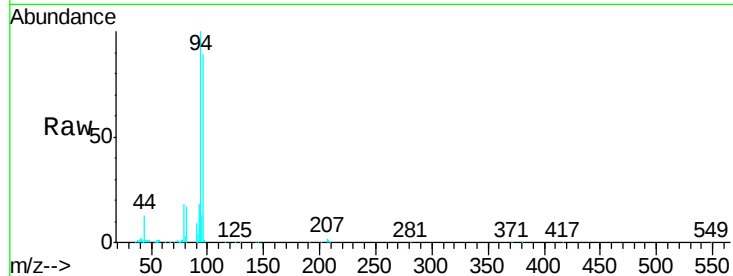
VSTDCCC050

Tgt Ion: 94 Resp: 111958

Ion Ratio Lower Upper

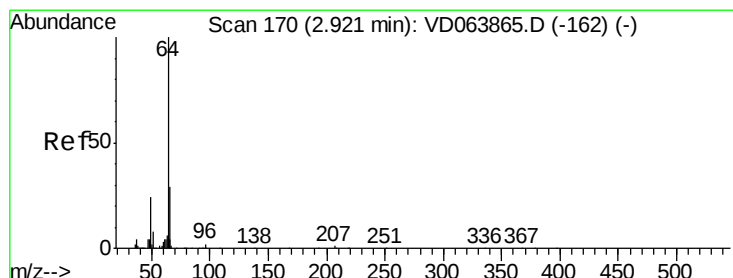
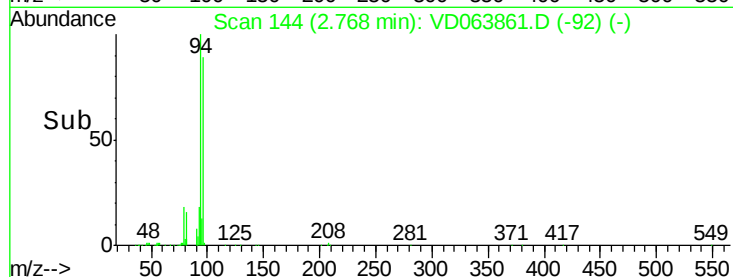
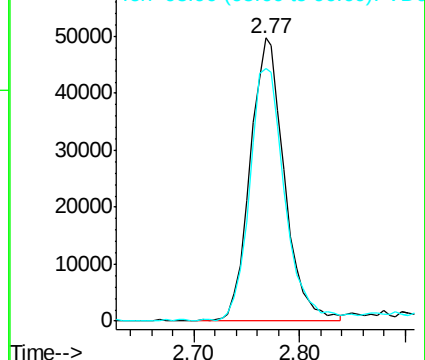
94 100

96 89.0 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: 45.519 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063861.D

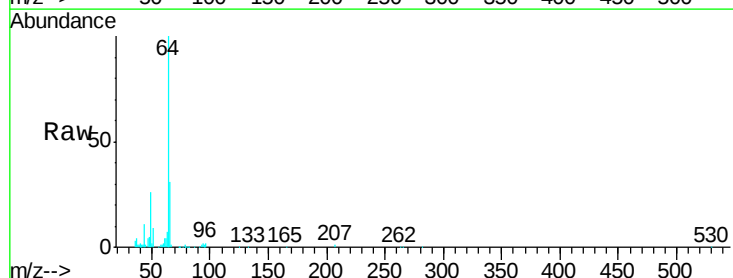
Acq: 02 Oct 2019 15:00

Tgt Ion: 64 Resp: 135040

Ion Ratio Lower Upper

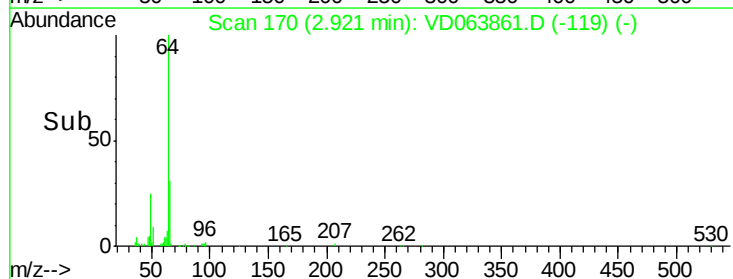
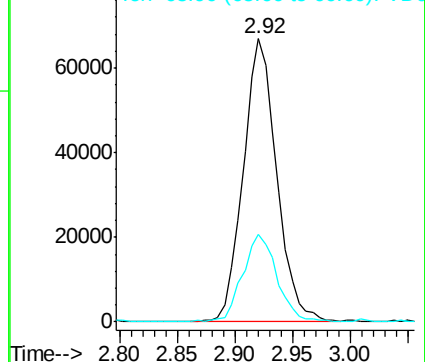
64 100

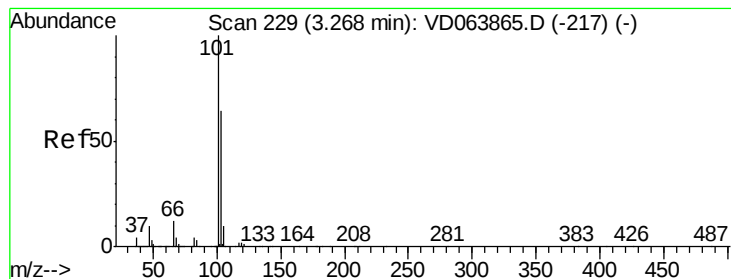
66 30.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 48.412 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

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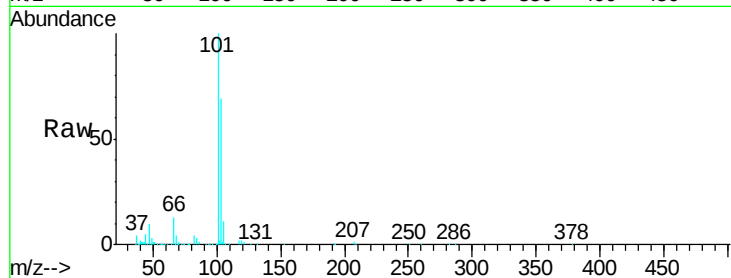
VSTDCCC050

Tgt Ion:101 Resp: 279501

Ion Ratio Lower Upper

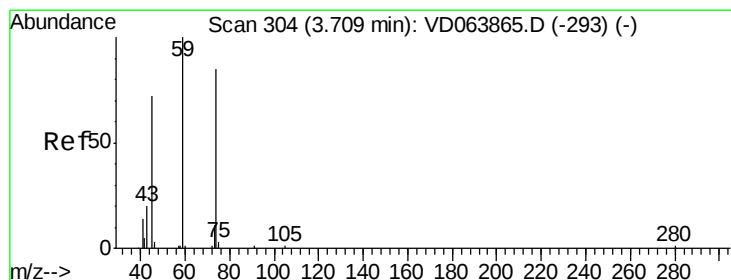
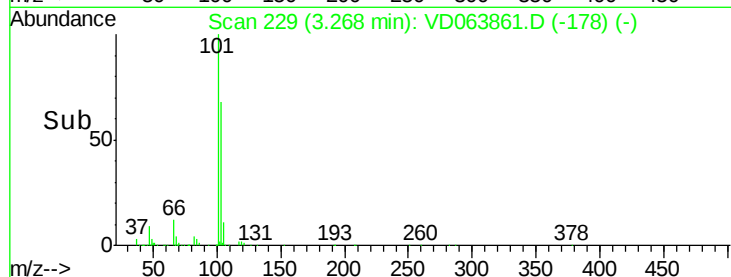
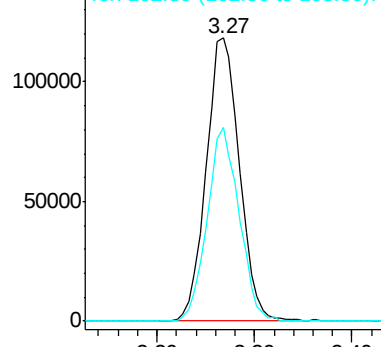
101 100

103 68.4 51.1 76.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.092 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD063861.D

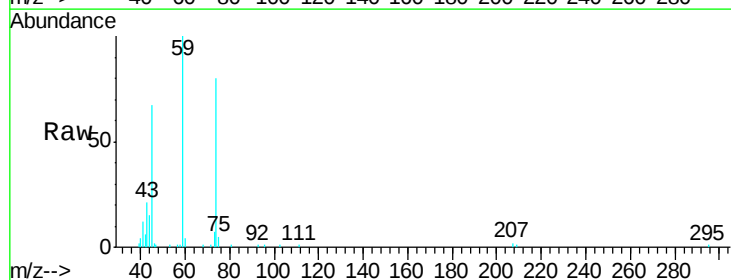
Acq: 02 Oct 2019 15:00

Tgt Ion: 74 Resp: 45944

Ion Ratio Lower Upper

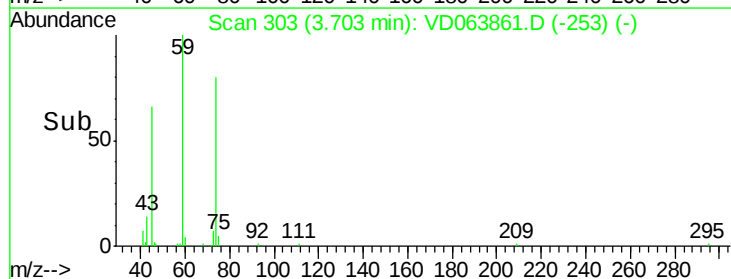
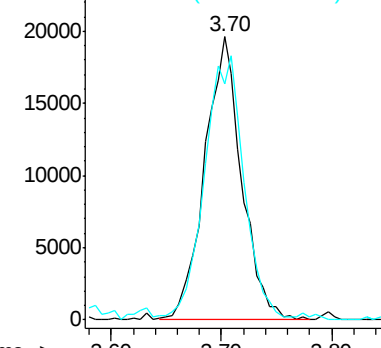
74 100

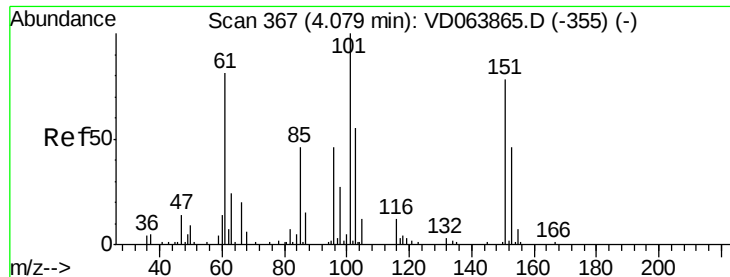
45 99.8 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.739 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

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ClientSampleId :

VSTDCCC050

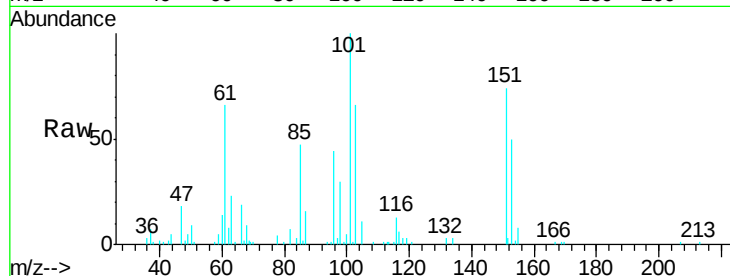
Tgt Ion:101 Resp: 77185

Ion Ratio Lower Upper

101 100

85 45.9 37.5 56.3

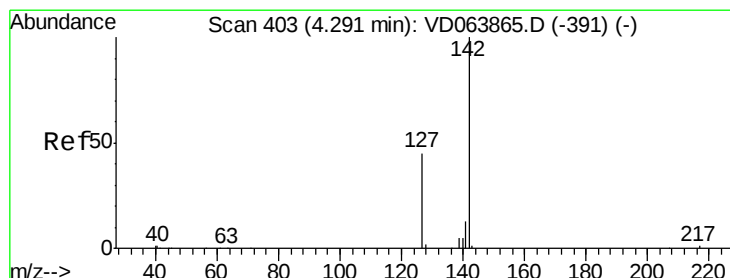
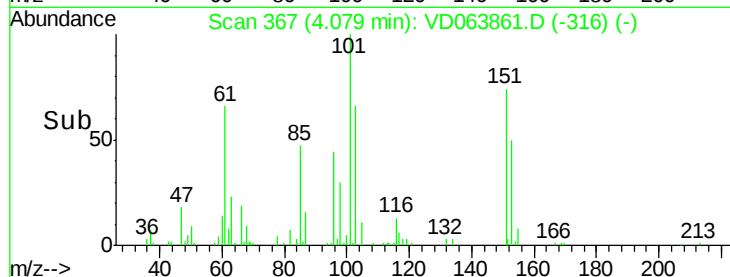
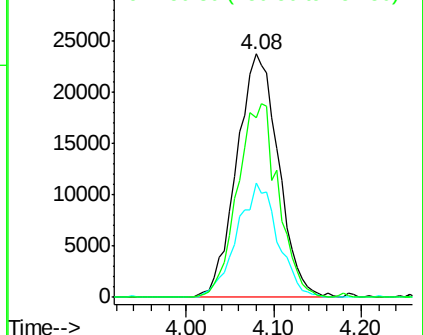
151 77.7 65.5 98.3



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: 48.862 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

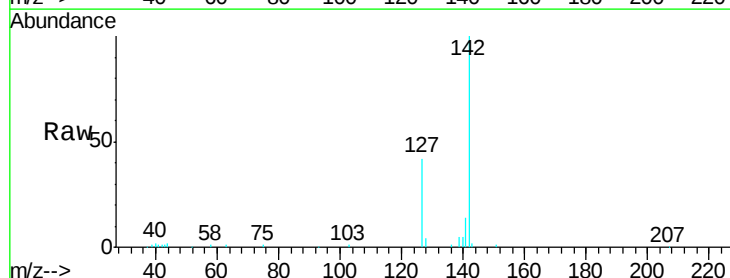
Tgt Ion:142 Resp: 100391

Ion Ratio Lower Upper

142 100

127 42.9 35.3 52.9

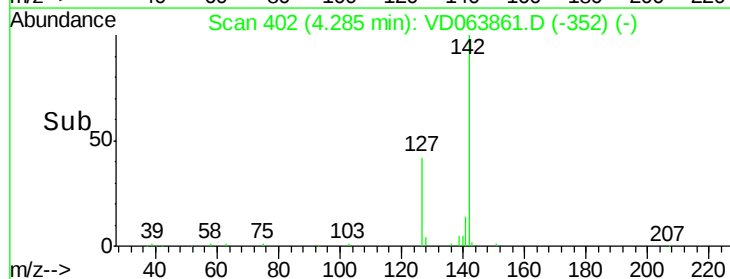
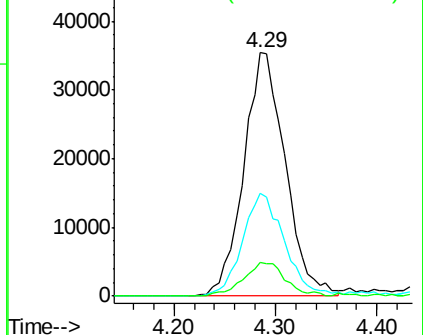
141 14.1 12.2 18.2

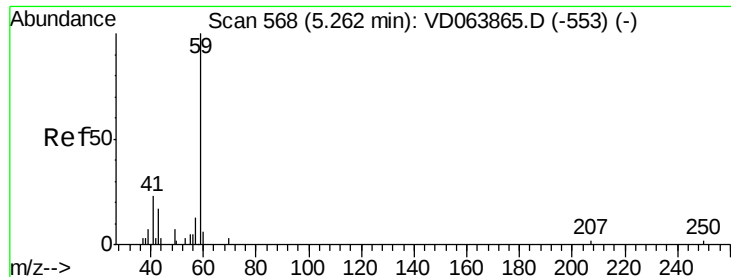


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

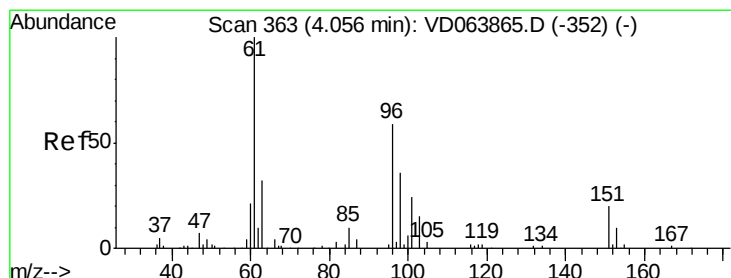
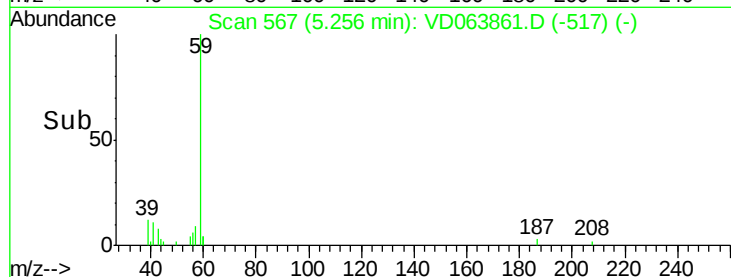
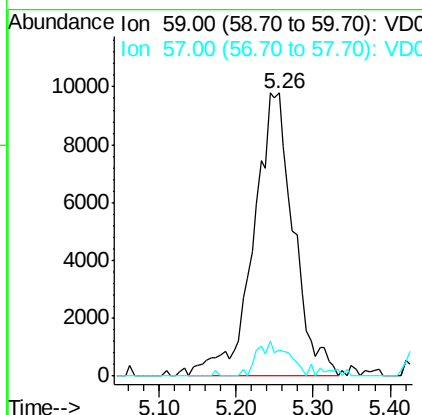
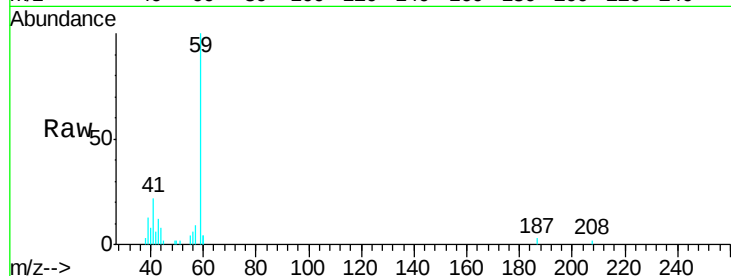




#11
Tert butyl alcohol
Concen: 238.411 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

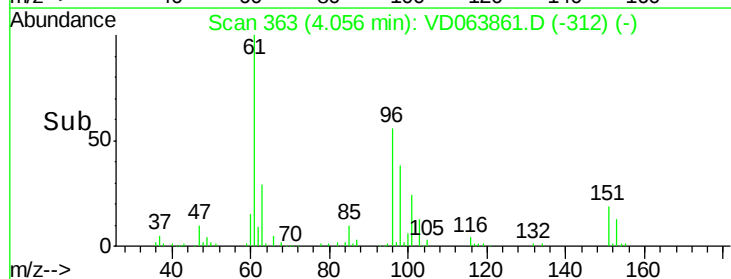
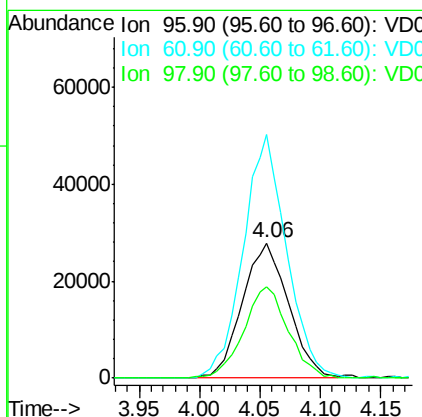
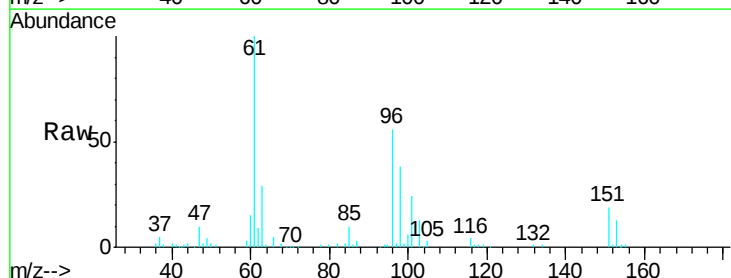
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

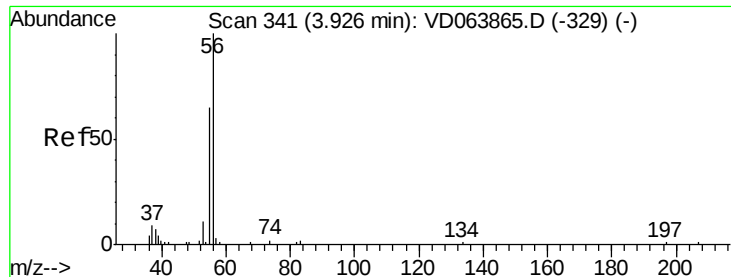
Tgt Ion: 59 Resp: 35520
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 43.214 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 96 Resp: 73880
Ion Ratio Lower Upper
96 100
61 179.8 135.6 203.4
98 67.4 49.2 73.8





#13

Acrolein

Concen: 181.331 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

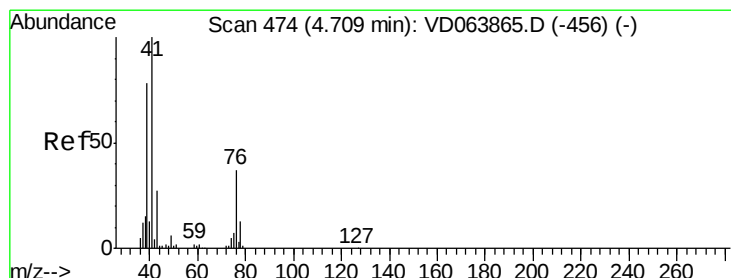
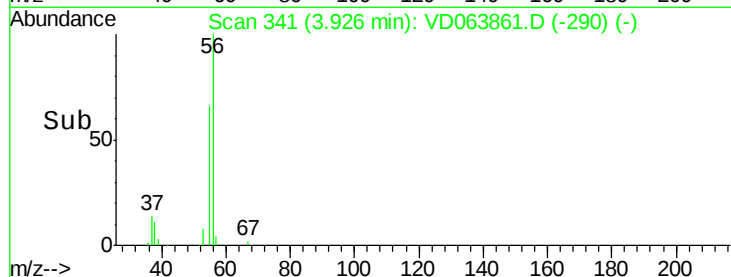
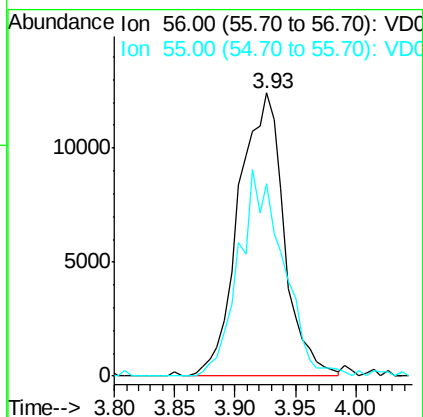
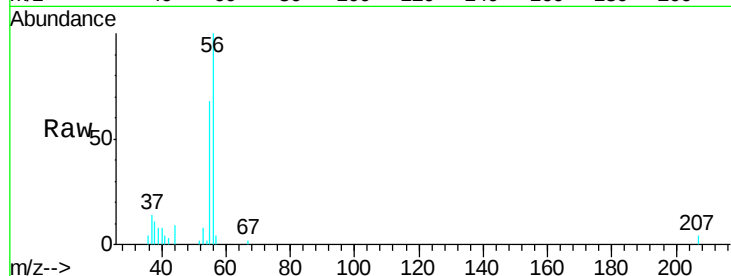
VSTDCCC050

Tgt Ion: 56 Resp: 32463

Ion Ratio Lower Upper

56 100

55 71.4 53.0 79.6



#14

Allyl chloride

Concen: 47.943 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

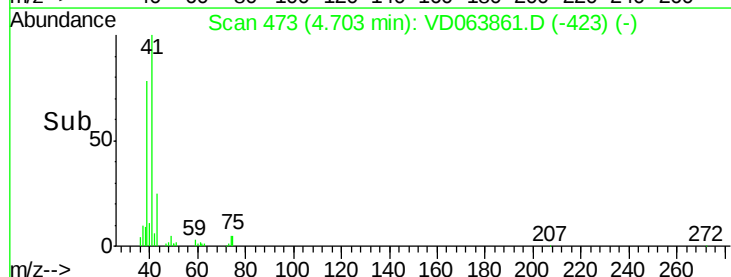
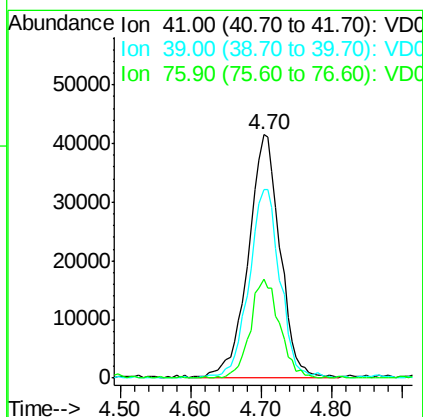
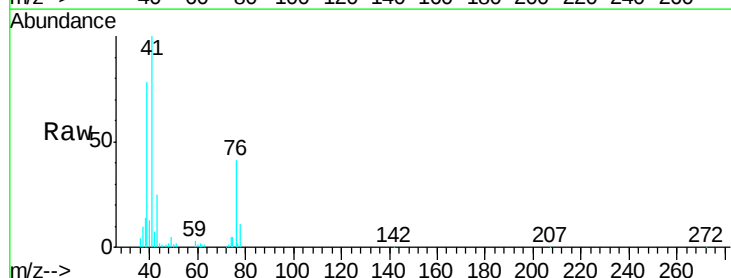
Tgt Ion: 41 Resp: 130938

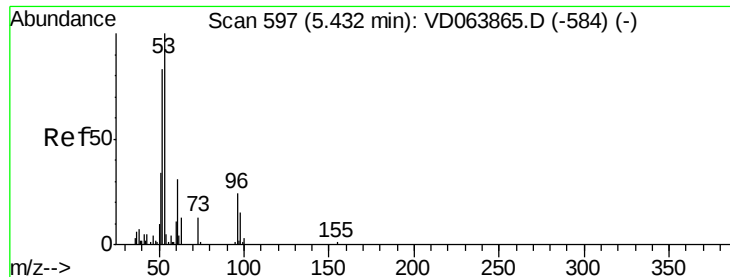
Ion Ratio Lower Upper

41 100

39 75.9 61.8 92.6

76 37.1 31.3 46.9





#15

Acrylonitrile

Concen: 248.075 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

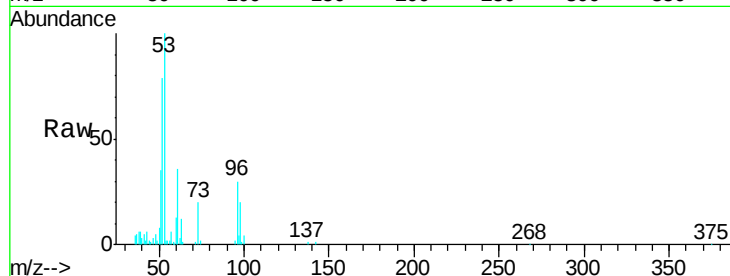
Tgt Ion: 53 Resp: 103335

Ion Ratio Lower Upper

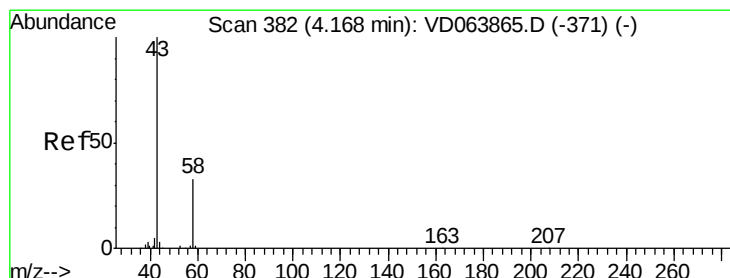
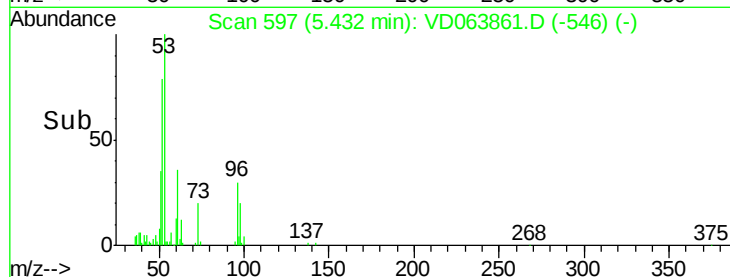
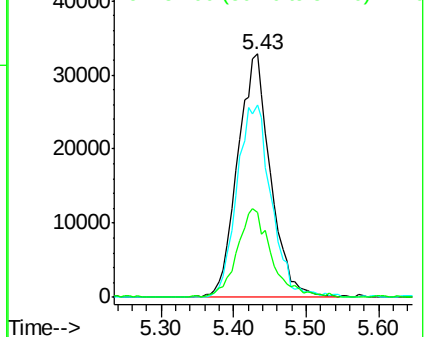
53 100

52 82.7 67.3 100.9

51 37.9 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: 245.325 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063861.D

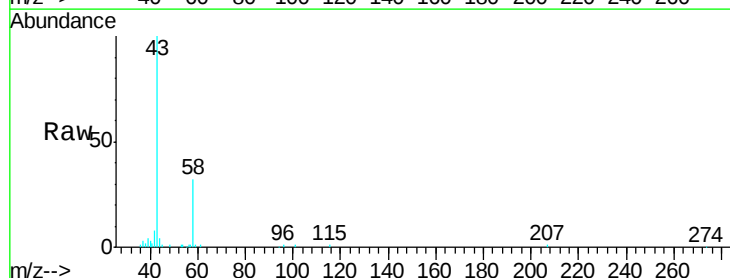
Acq: 02 Oct 2019 15:00

Tgt Ion: 43 Resp: 110417

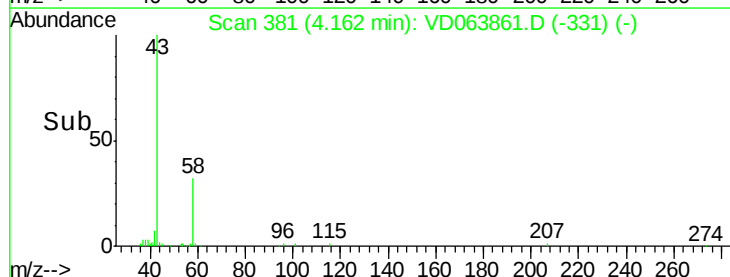
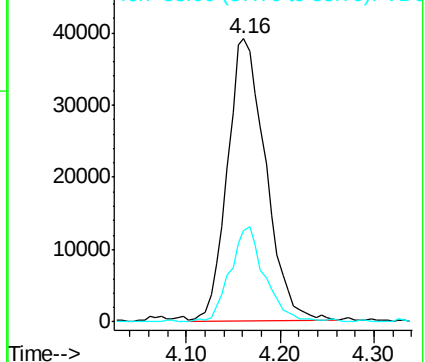
Ion Ratio Lower Upper

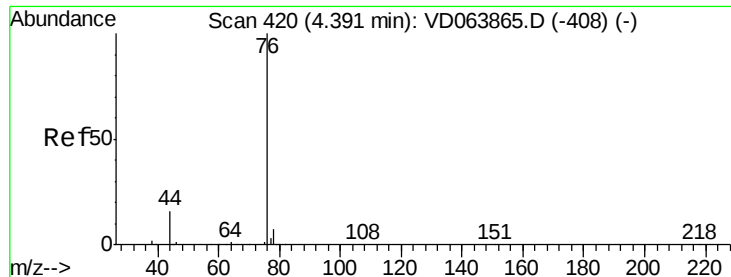
43 100

58 32.3 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: 44.967 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

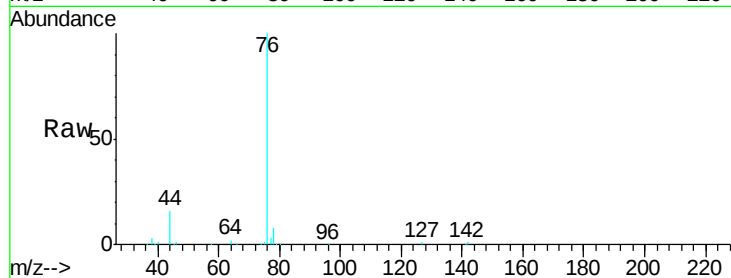
VSTDCCC050

Tgt Ion: 76 Resp: 262070

Ion Ratio Lower Upper

76 100

78 8.2 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

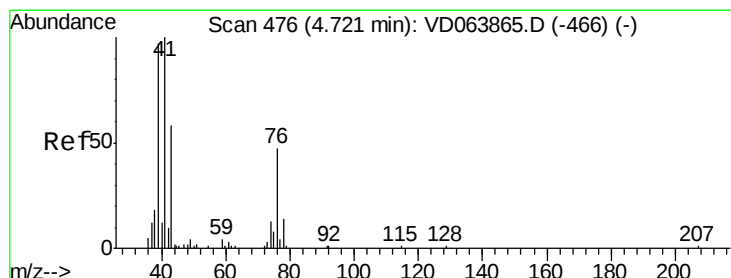
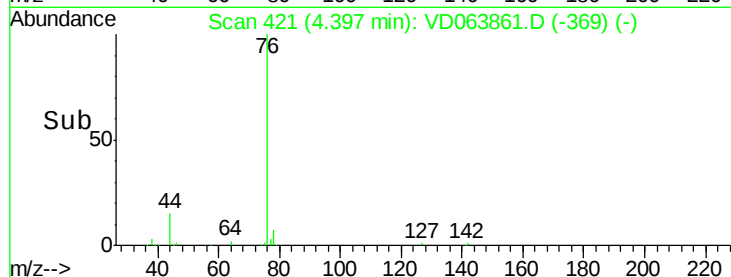
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 46.713 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD063861.D

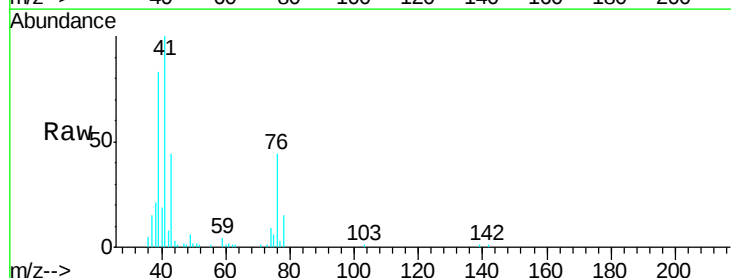
Acq: 02 Oct 2019 15:00

Tgt Ion: 43 Resp: 48887

Ion Ratio Lower Upper

43 100

74 24.8 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

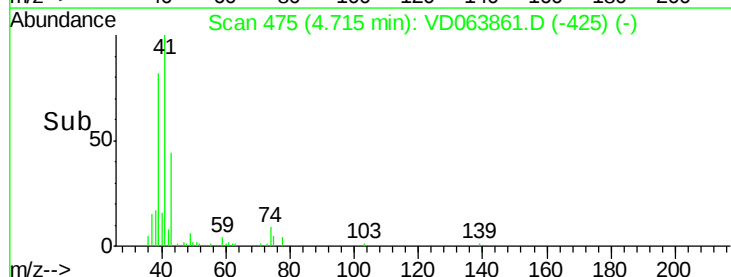
15000

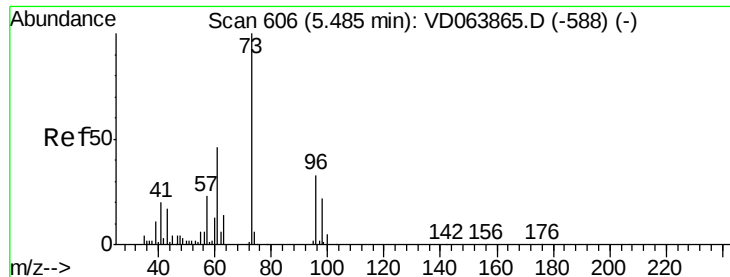
10000

5000

0

Time--> 4.60 4.70 4.80 4.90

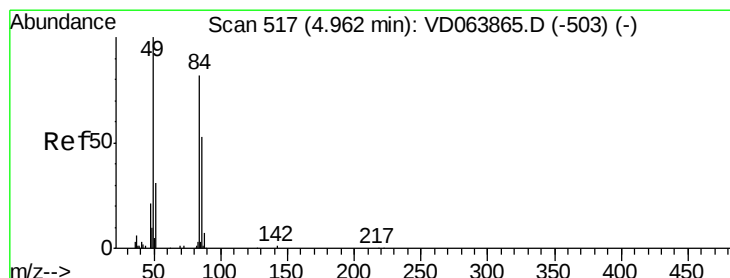
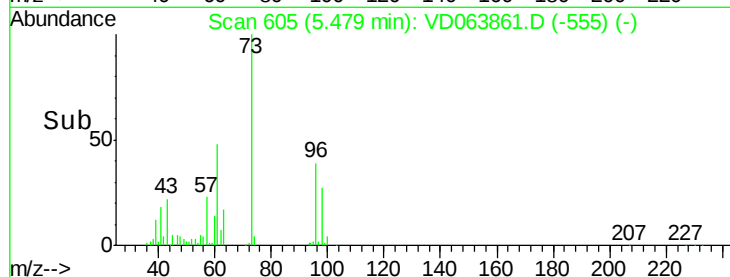
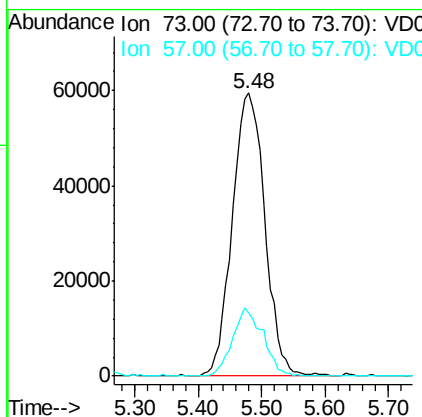
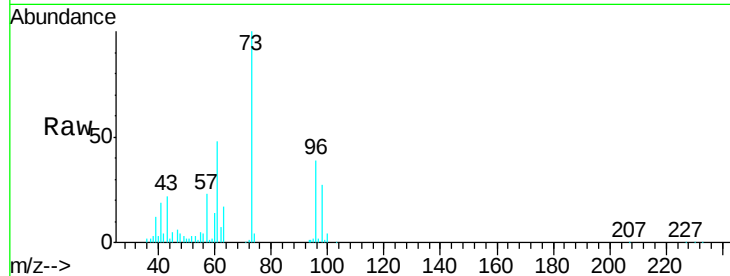




#19
Methyl tert-butyl Ether
Concen: 49.035 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

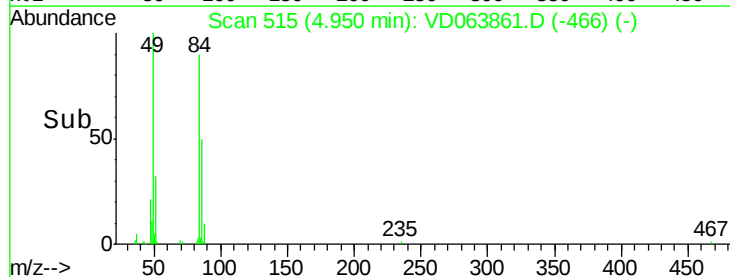
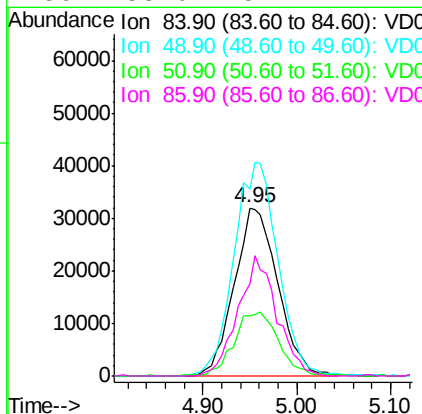
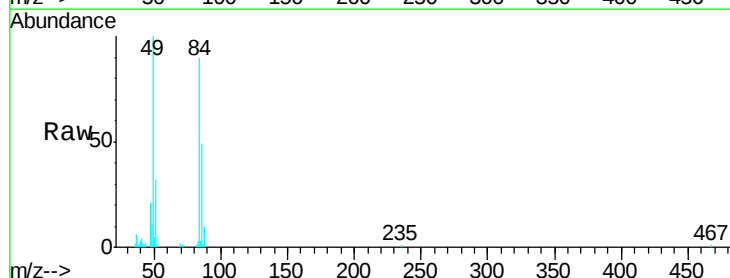
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

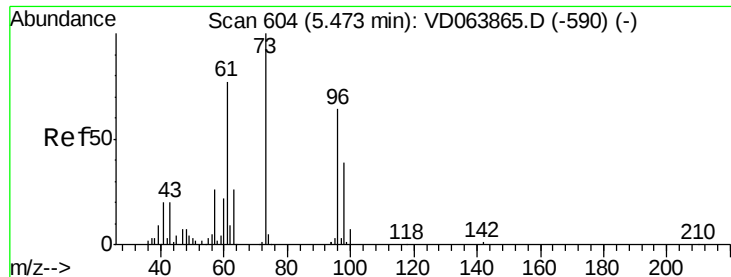
Tgt Ion: 73 Resp: 211036
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1



#20
Methylene Chloride
Concen: 39.948 ug/l
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 84 Resp: 102540
Ion Ratio Lower Upper
84 100
49 110.5 97.3 145.9
51 34.9 30.1 45.1
86 55.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 47.010 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

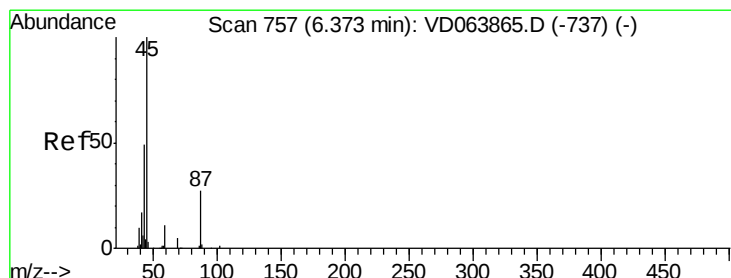
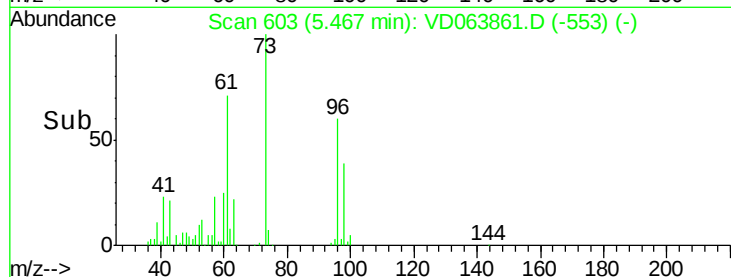
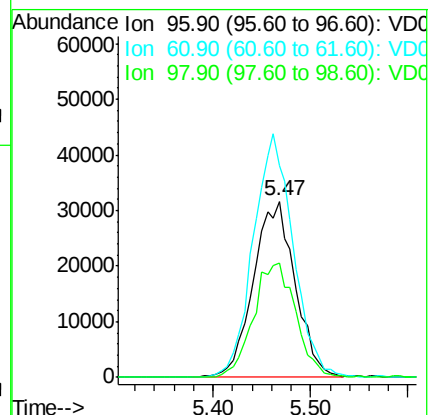
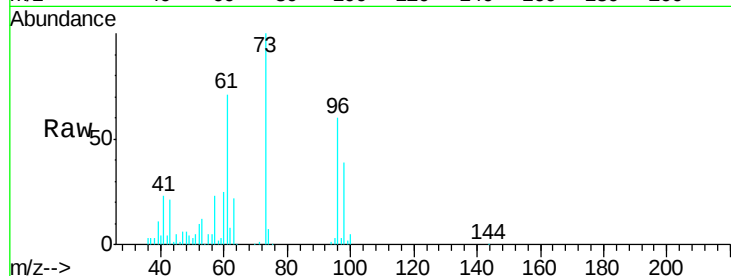
Tgt Ion: 96 Resp: 94369

Ion Ratio Lower Upper

96 100

61 119.9 96.6 145.0

98 65.1 48.7 73.1



#22

Diisopropyl ether

Concen: 50.159 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Tgt Ion: 45 Resp: 281033

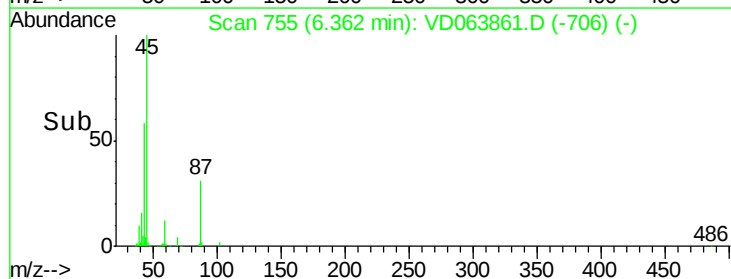
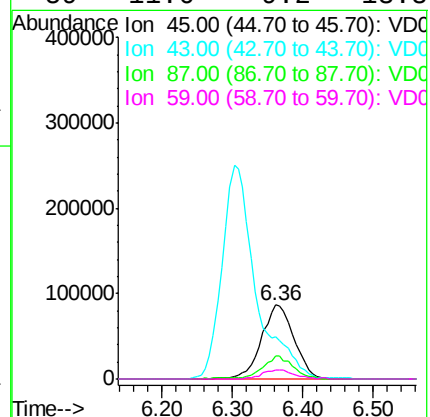
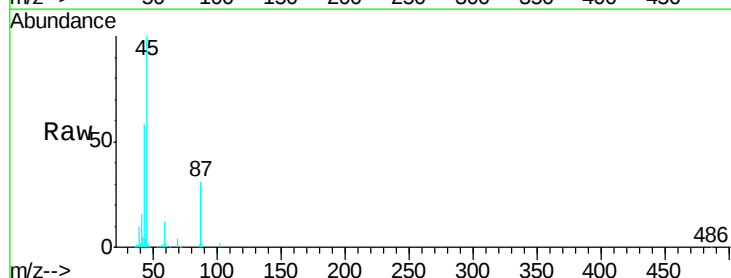
Ion Ratio Lower Upper

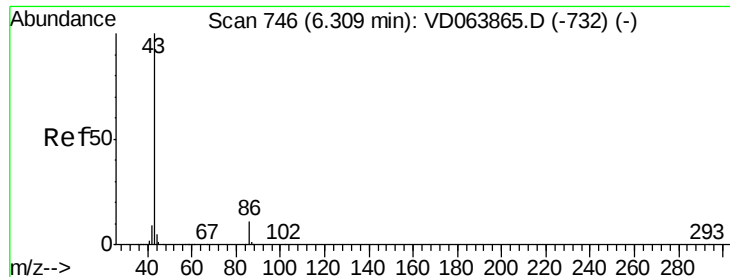
45 100

43 56.6 41.2 61.8

87 30.6 22.2 33.4

59 11.6 9.2 13.8





#23

Vinyl Acetate

Concen: 252.910 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

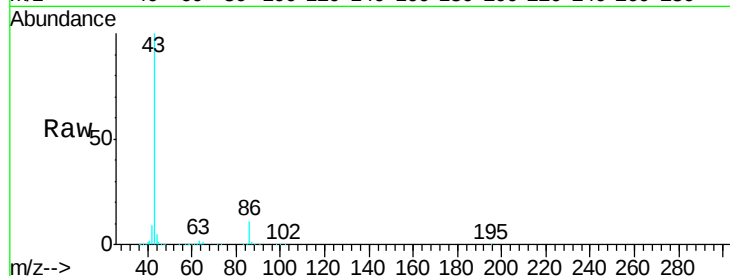
VSTDCCC050

Tgt Ion: 43 Resp: 842881

Ion Ratio Lower Upper

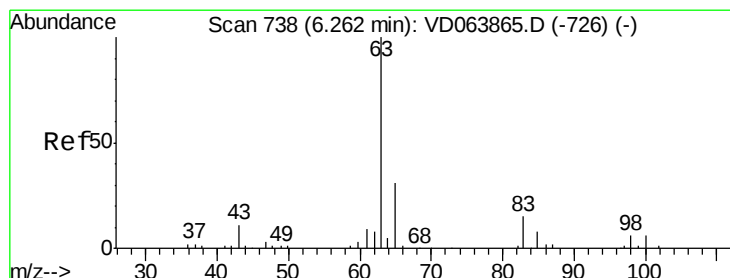
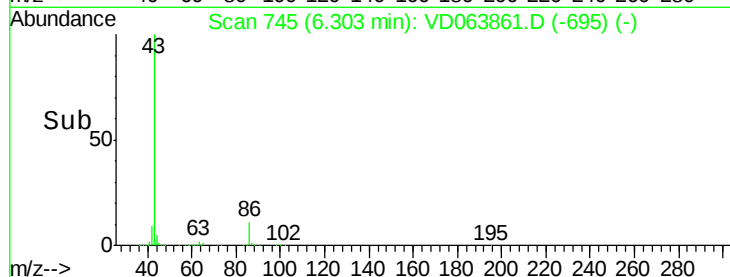
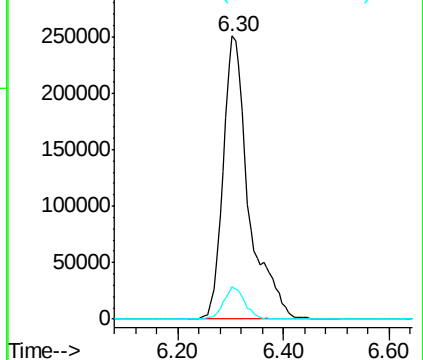
43 100

86 11.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.032 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

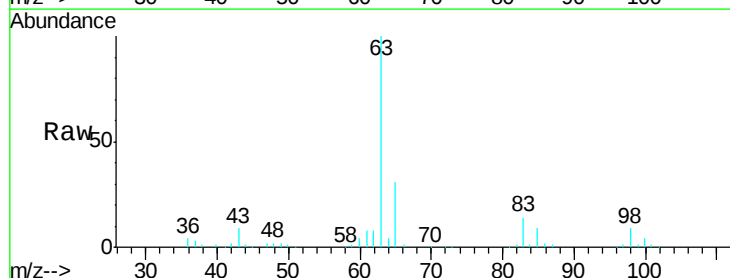
Tgt Ion: 63 Resp: 164301

Ion Ratio Lower Upper

63 100

98 8.7 3.1 9.4

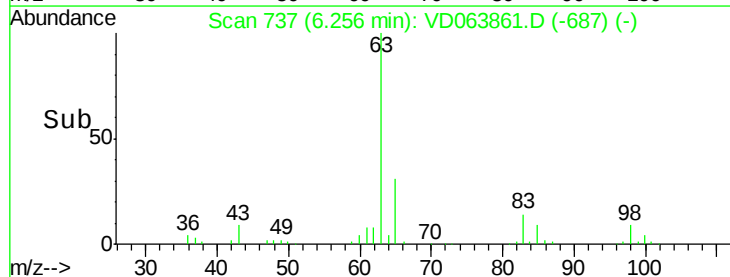
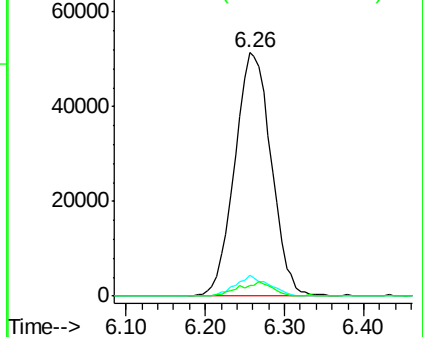
100 4.3 3.0 9.2

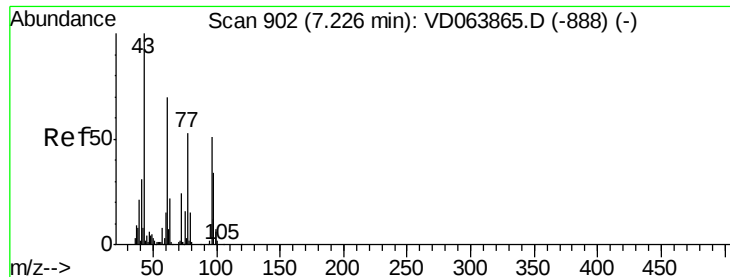


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 250.617 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

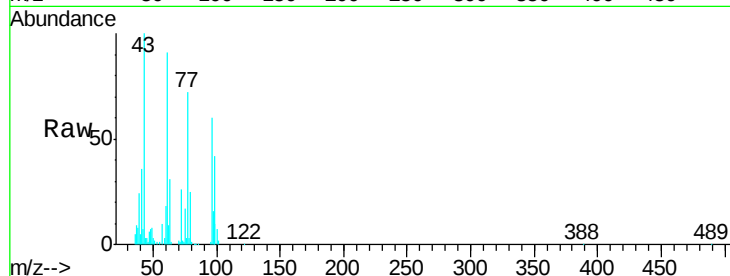
VSTDCCC050

Tgt Ion: 43 Resp: 143217

Ion Ratio Lower Upper

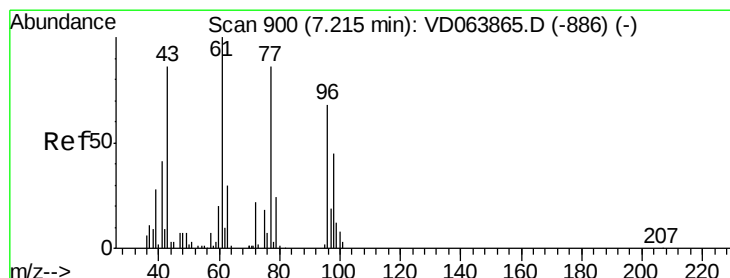
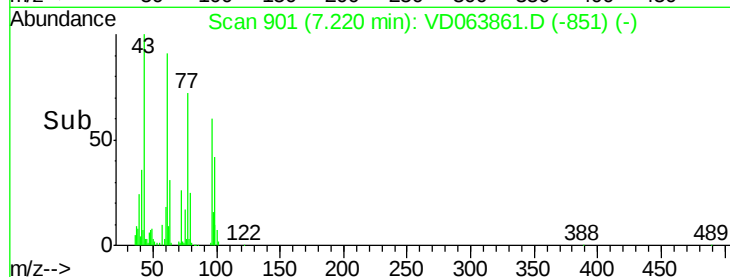
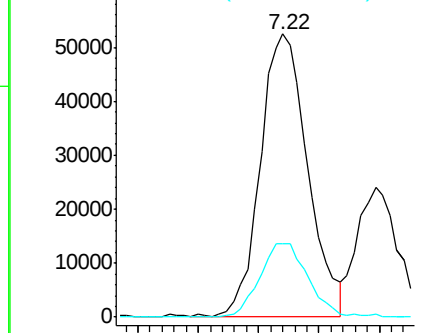
43 100

72 25.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.941 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063861.D

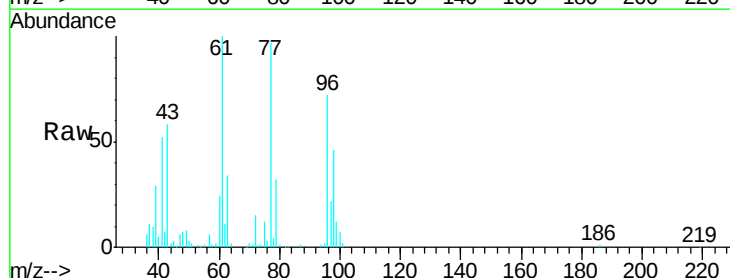
Acq: 02 Oct 2019 15:00

Tgt Ion: 77 Resp: 151685

Ion Ratio Lower Upper

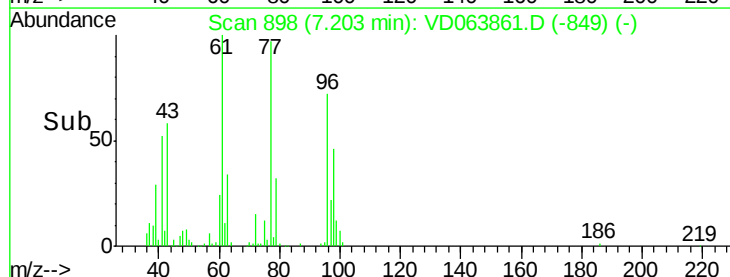
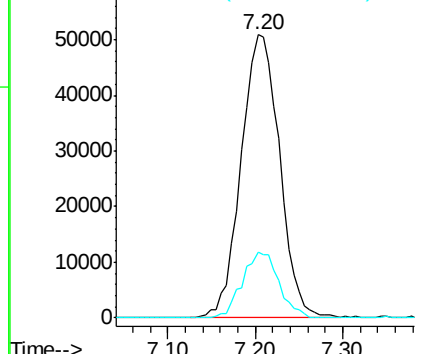
77 100

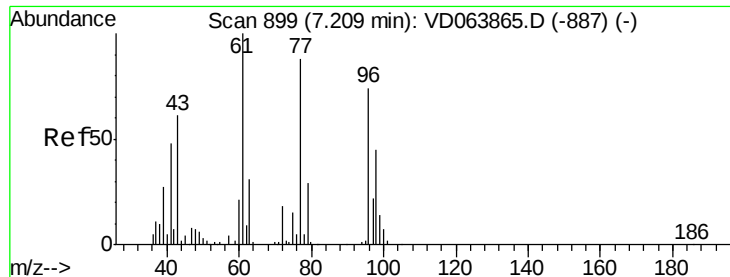
97 22.0 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 48.674 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

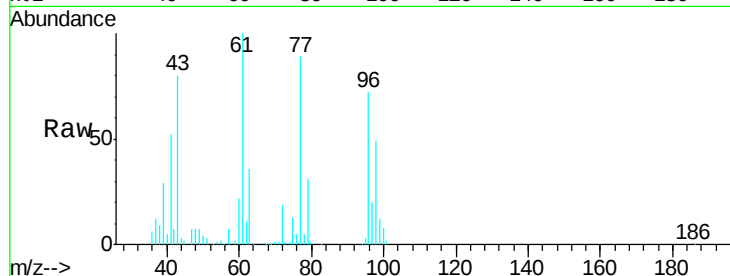
Tgt Ion: 96 Resp: 109079

Ion Ratio Lower Upper

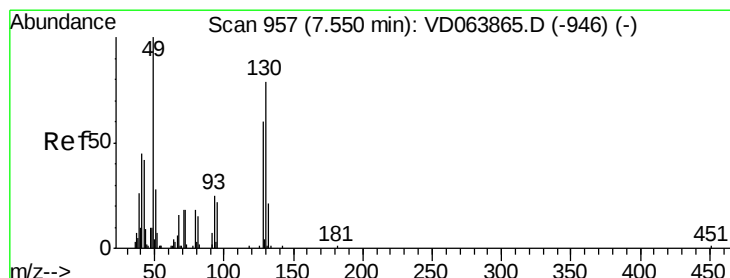
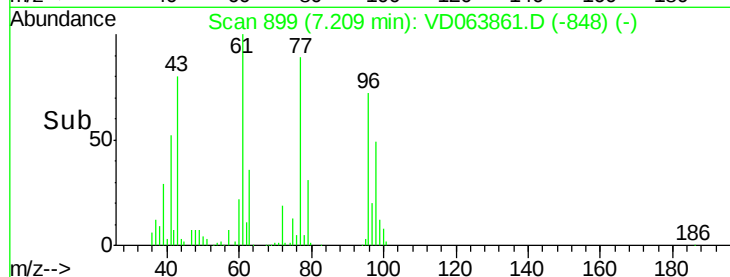
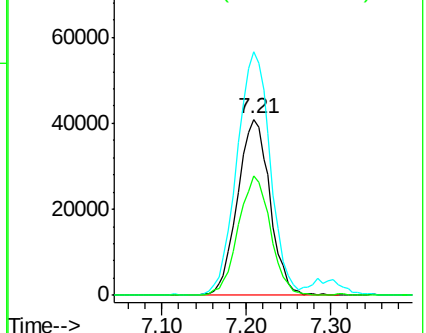
96 100

61 142.2 0.0 280.0

98 67.7 0.0 130.4



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



#28

Bromochloromethane

Concen: 48.568 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

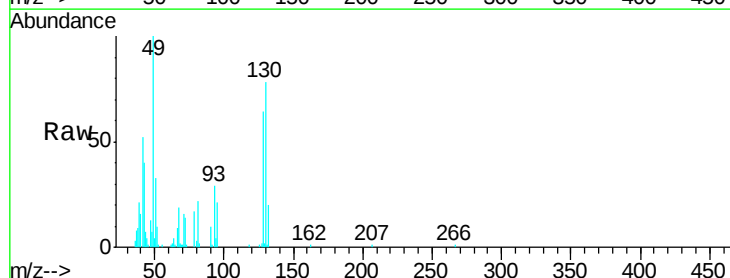
Tgt Ion: 49 Resp: 63891

Ion Ratio Lower Upper

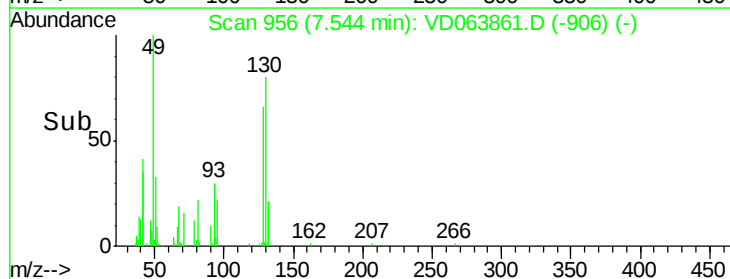
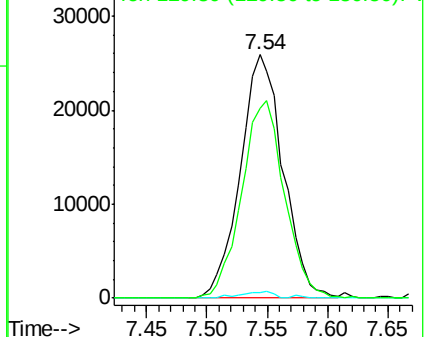
49 100

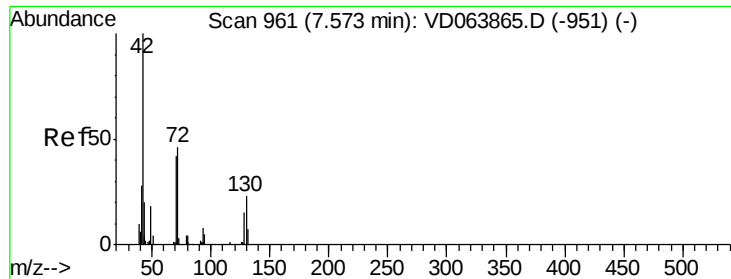
129 2.0 0.0 5.6

130 81.0 66.8 100.2



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

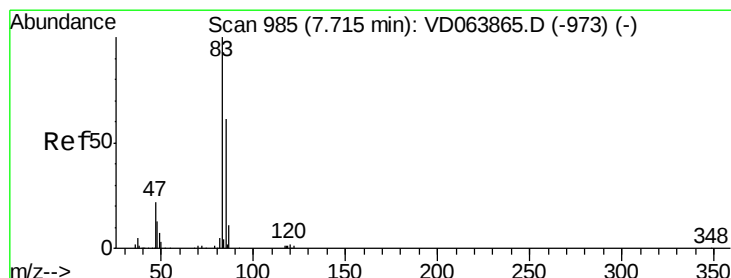
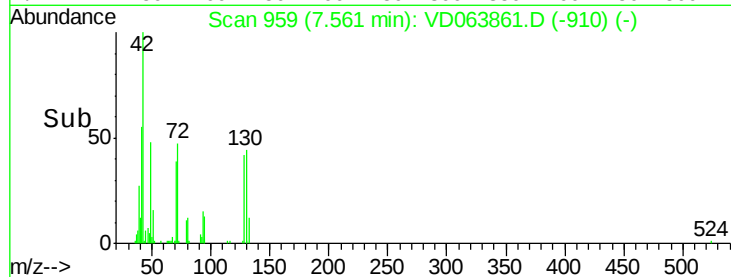
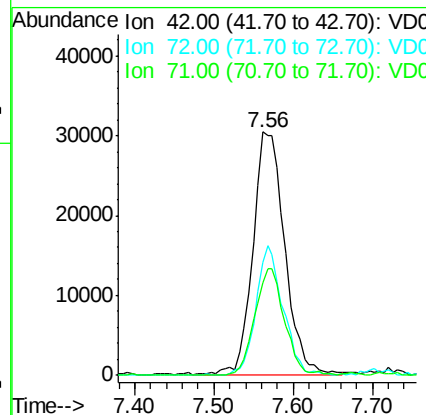
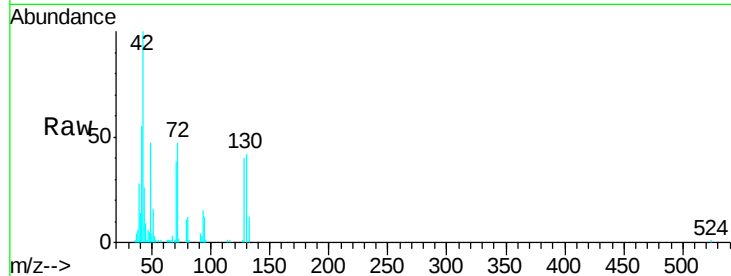




#29
Tetrahydrofuran
Concen: 256.470 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

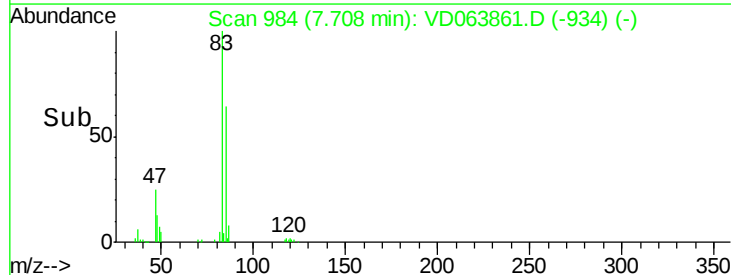
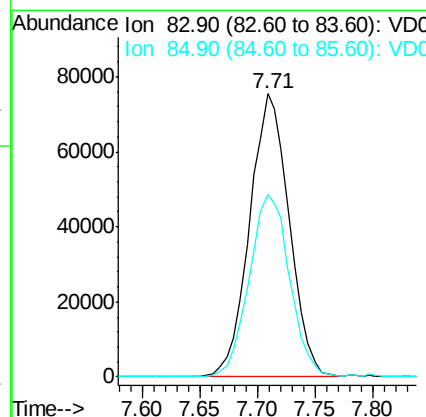
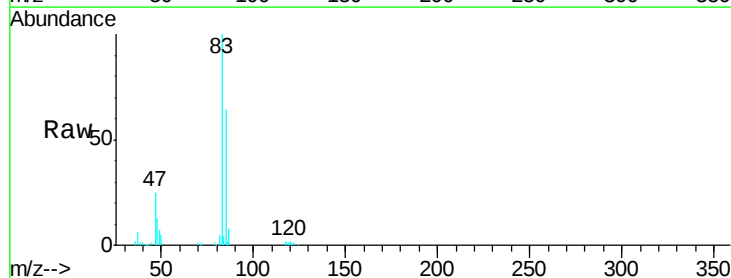
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

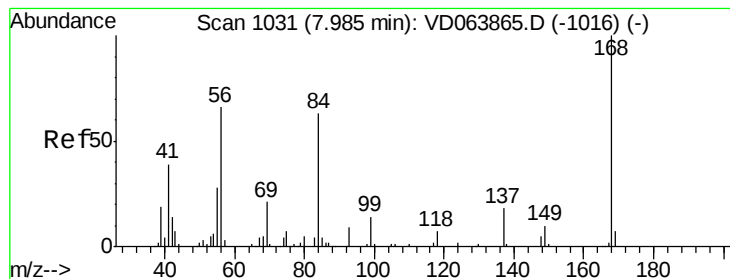
Tgt Ion: 42 Resp: 85637
Ion Ratio Lower Upper
42 100
72 45.2 37.6 56.4
71 40.8 35.0 52.6



#30
Chloroform
Concen: 48.648 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 83 Resp: 179819
Ion Ratio Lower Upper
83 100
85 64.5 48.9 73.3





#31

Cyclohexane

Concen: 43.604 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

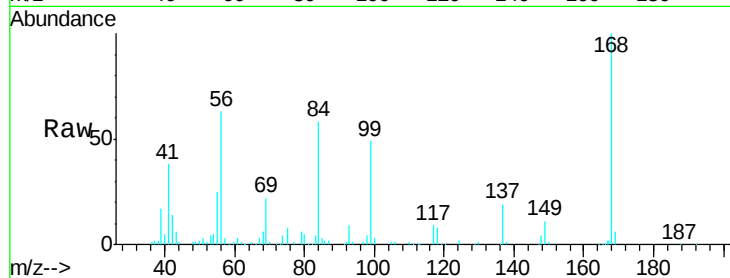
Tgt Ion: 56 Resp: 146406

Ion Ratio Lower Upper

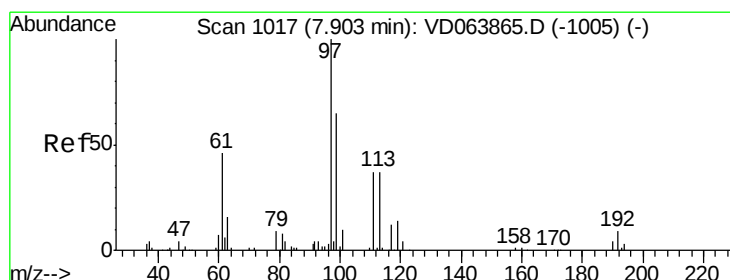
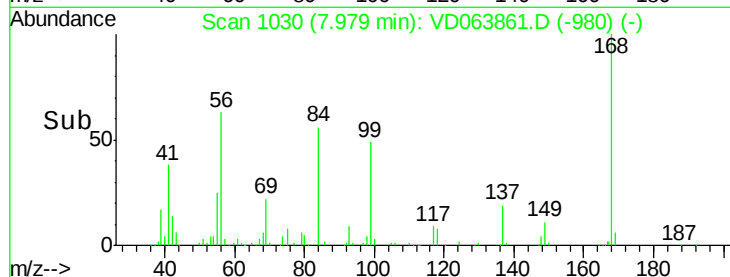
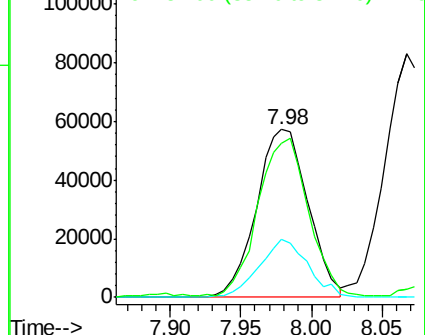
56 100

69 34.7 25.0 37.4

84 90.7 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: 47.508 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

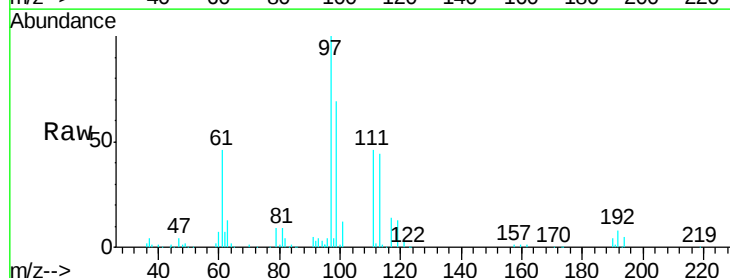
Tgt Ion: 97 Resp: 158341

Ion Ratio Lower Upper

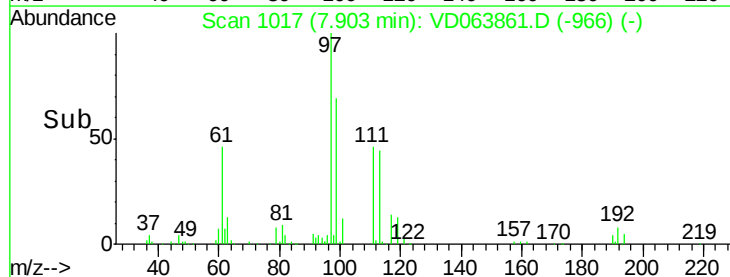
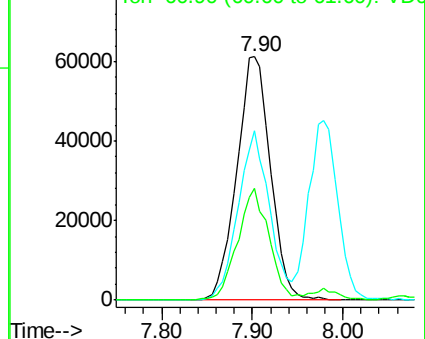
97 100

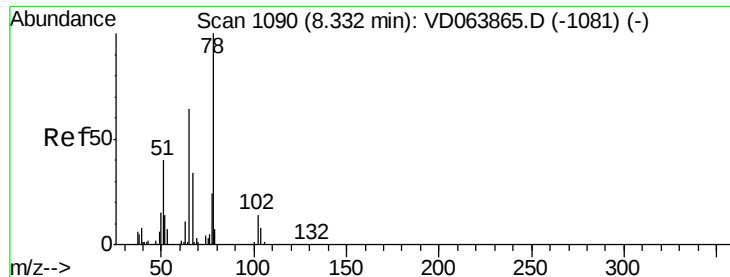
99 65.1 52.4 78.6

61 42.9 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: 47.548 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

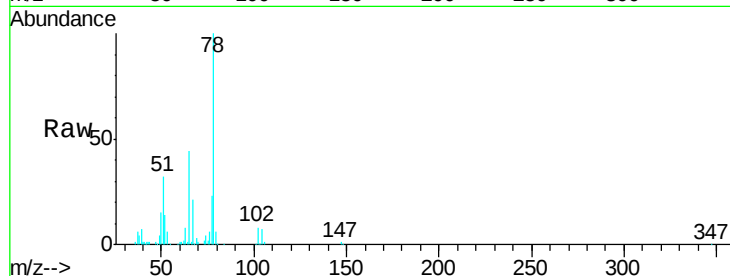
VSTDCCC050

Tgt Ion: 65 Resp: 90247

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

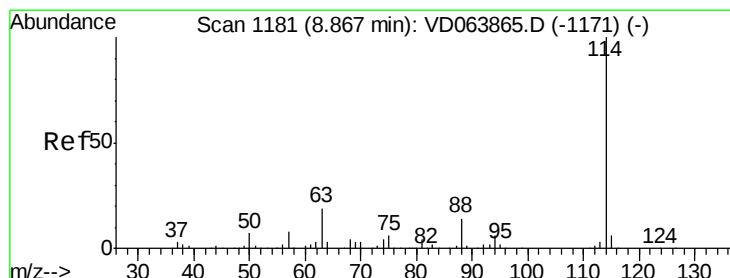
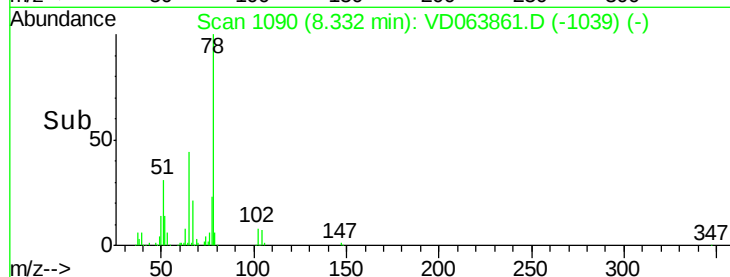
30000

20000

10000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

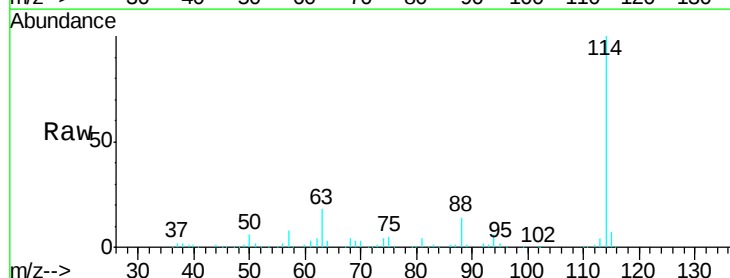
Tgt Ion: 114 Resp: 325041

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 14.3 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

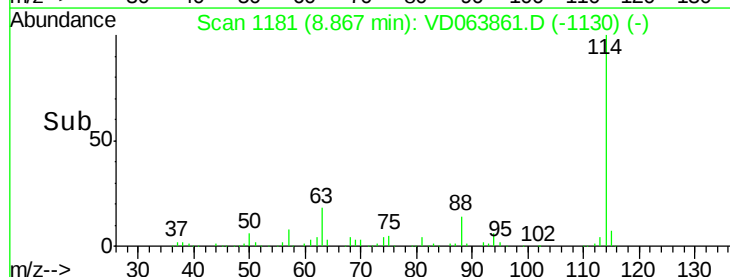
150000

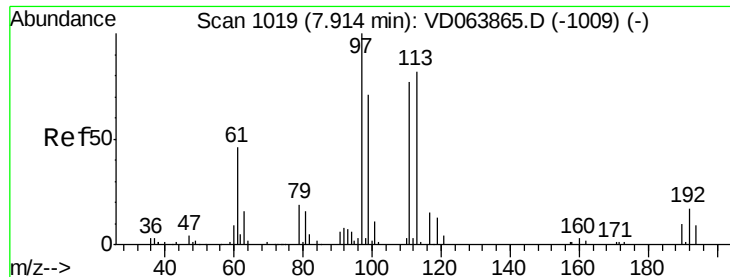
100000

50000

0

Time--> 8.80 8.90

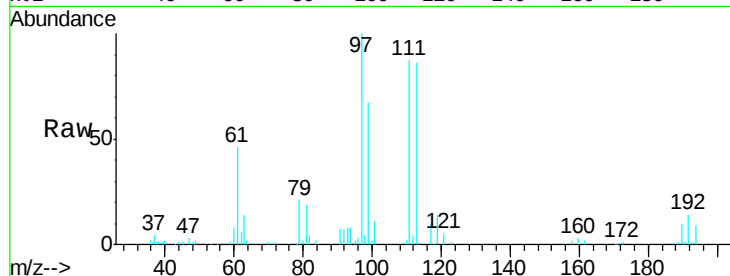




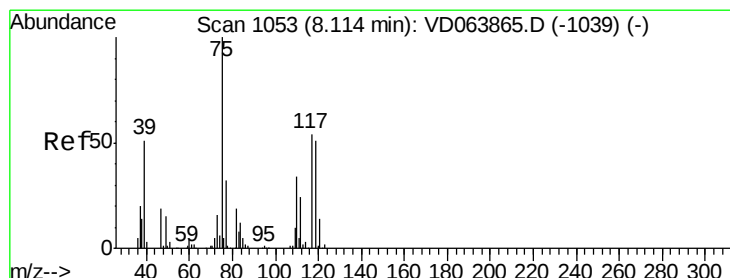
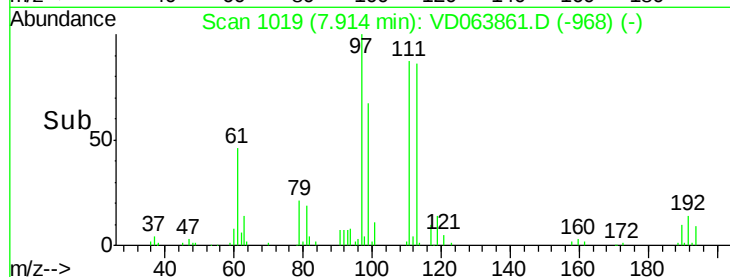
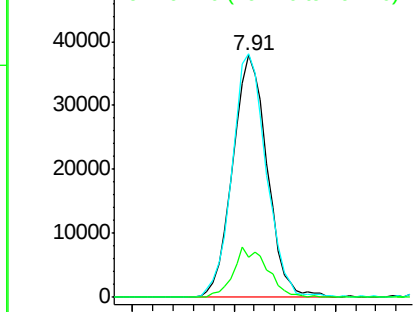
#35
 Dibromofluoromethane
 Concen: 43.751 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 89435
 Ion Ratio Lower Upper
 113 100
 111 100.0 82.6 123.8
 192 20.1 17.1 25.7

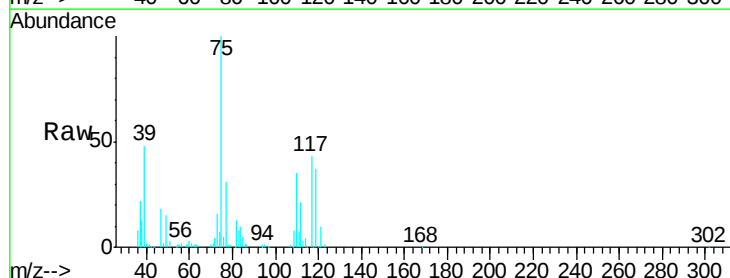


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

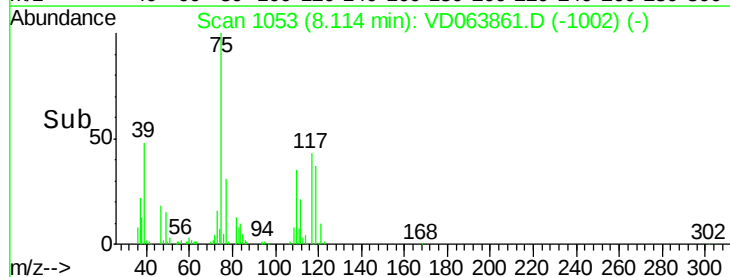
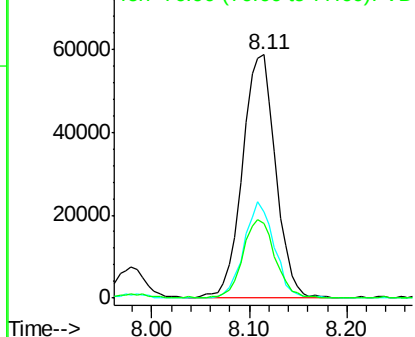


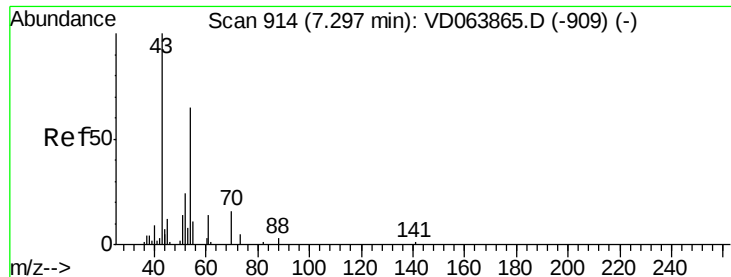
#36
 1,1-Dichloropropene
 Concen: 47.591 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 75 Resp: 139899
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.4 52.3
 77 31.3 25.4 38.0



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





#37

Ethyl Acetate

Concen: 46.020 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

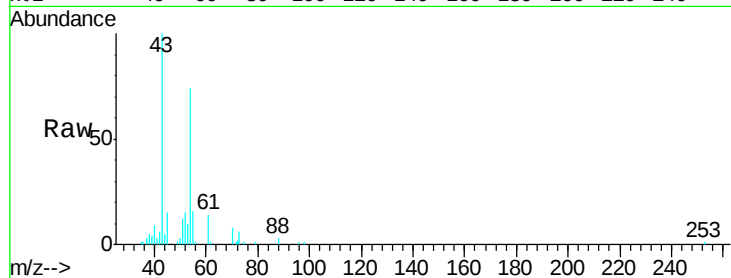
Tgt Ion: 43 Resp: 57744

Ion Ratio Lower Upper

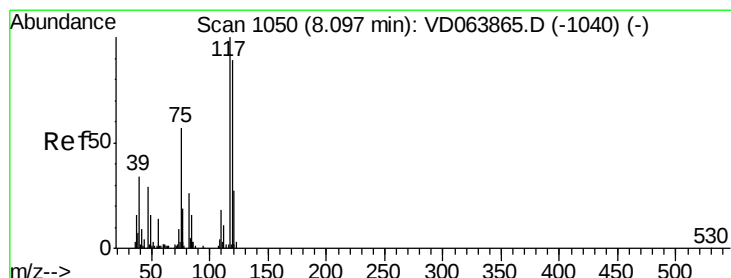
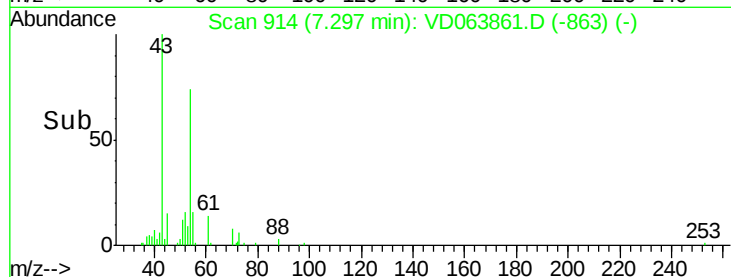
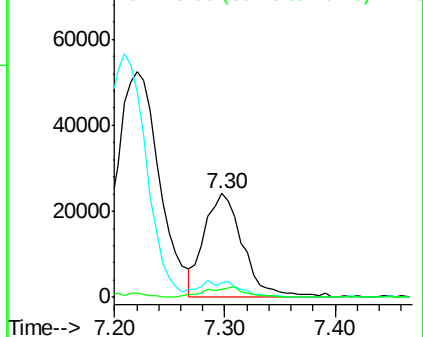
43 100

61 0.0 11.5 17.3#

70 10.1 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 47.478 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

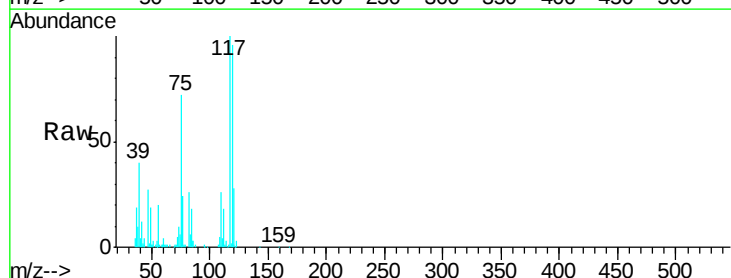
Tgt Ion: 117 Resp: 144262

Ion Ratio Lower Upper

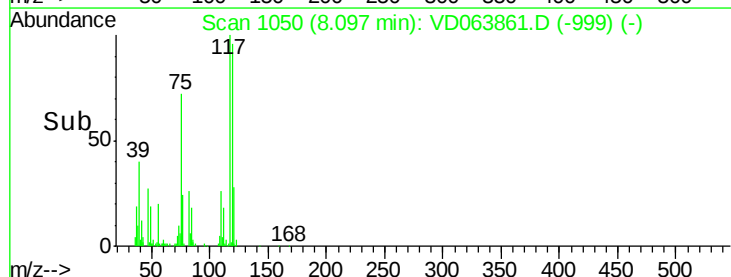
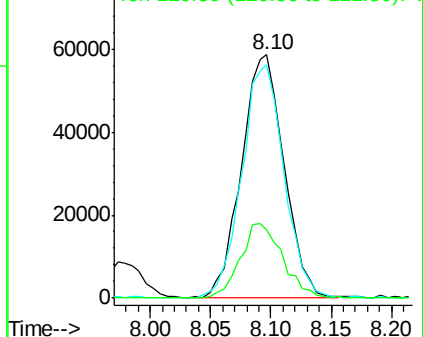
117 100

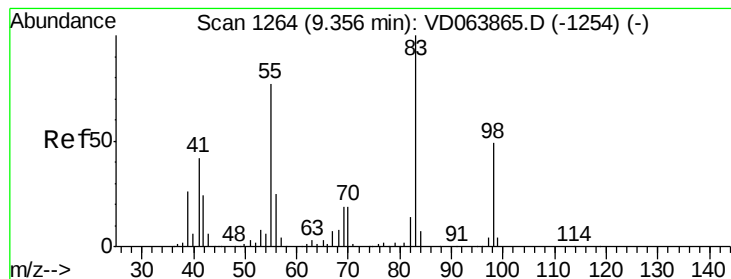
119 96.0 70.8 106.2

121 27.8 21.4 32.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 45.201 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

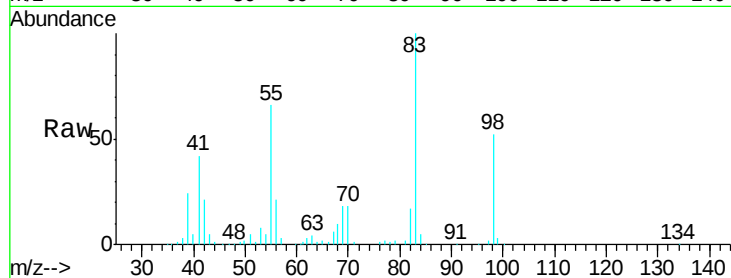
Tgt Ion: 83 Resp: 164993

Ion Ratio Lower Upper

83 100

55 66.5 61.3 91.9

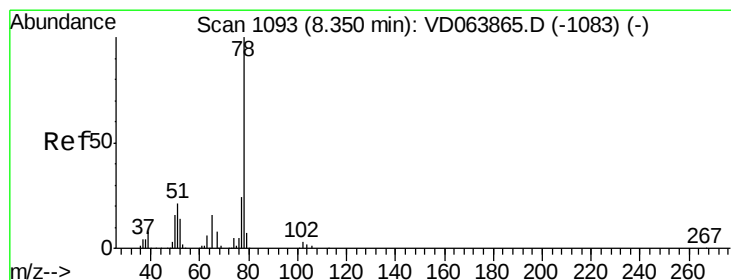
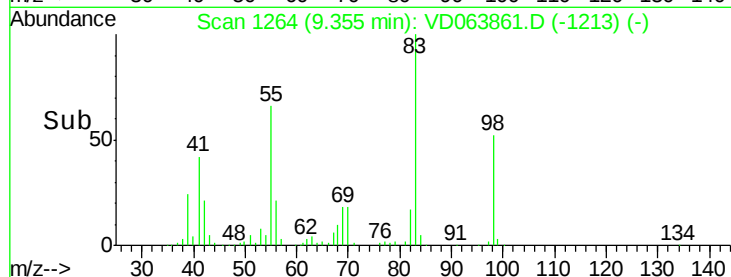
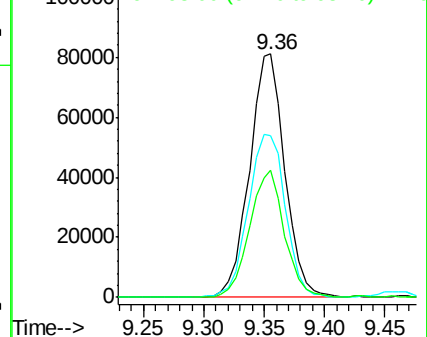
98 52.4 39.3 58.9



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 48.632 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD063861.D

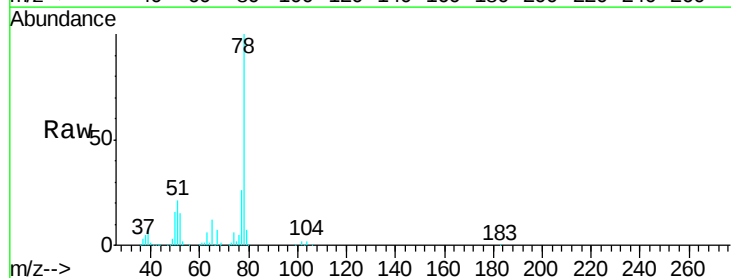
Acq: 02 Oct 2019 15:00

Tgt Ion: 78 Resp: 396374

Ion Ratio Lower Upper

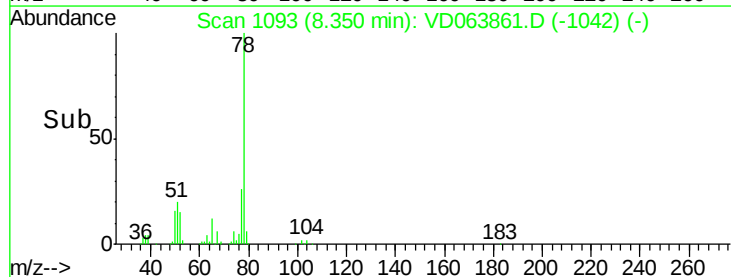
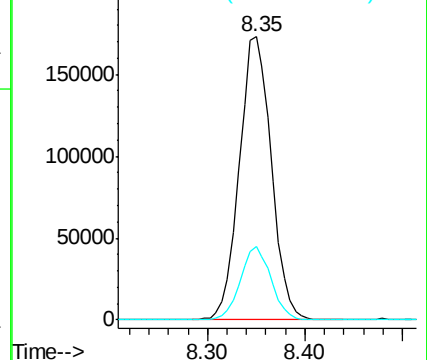
78 100

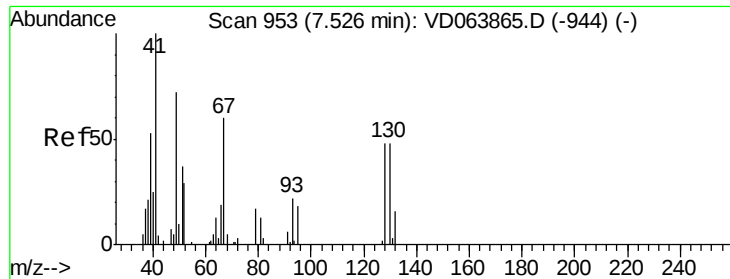
77 26.1 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 40.608 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 28813

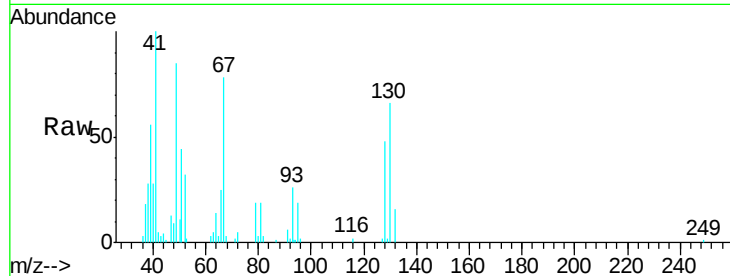
Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

67 91.2 74.2 111.2

52 36.3 34.0 51.0

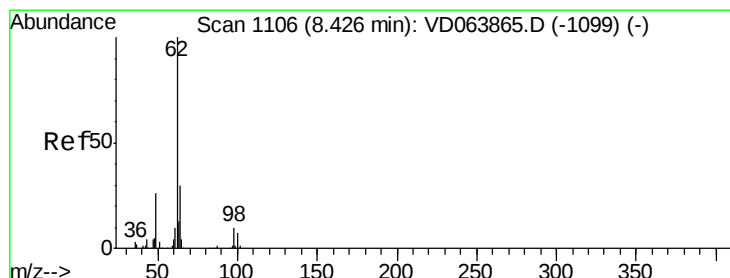
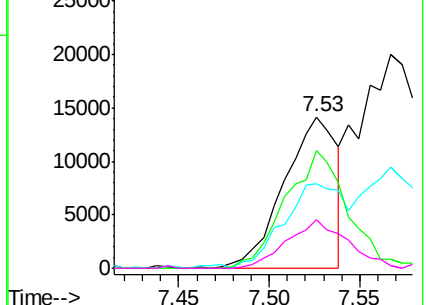
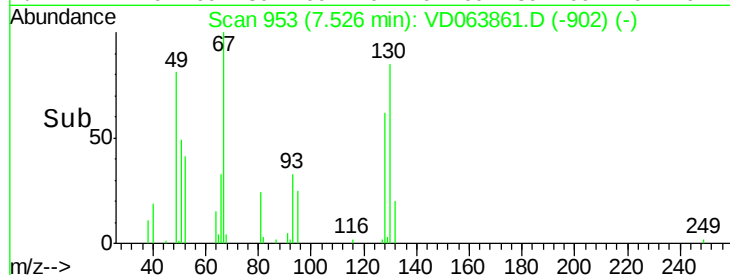


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 48.906 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063861.D

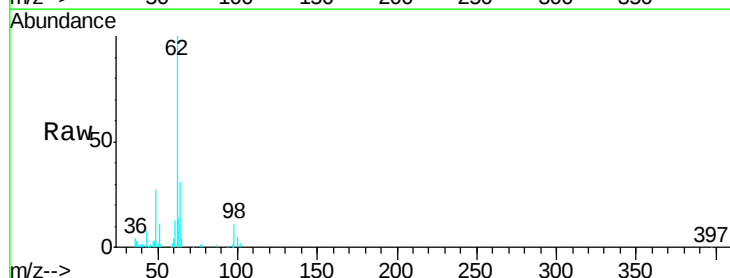
Acq: 02 Oct 2019 15:00

Tgt Ion: 62 Resp: 116769

Ion Ratio Lower Upper

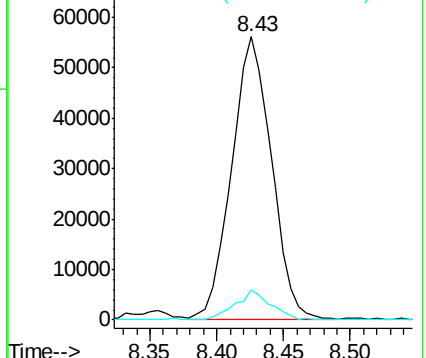
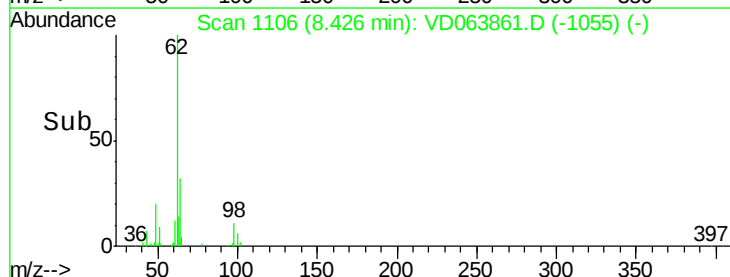
62 100

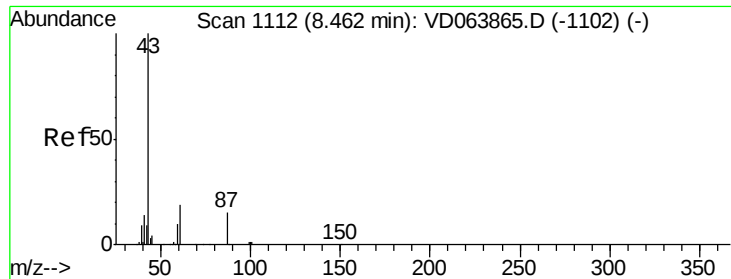
98 9.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

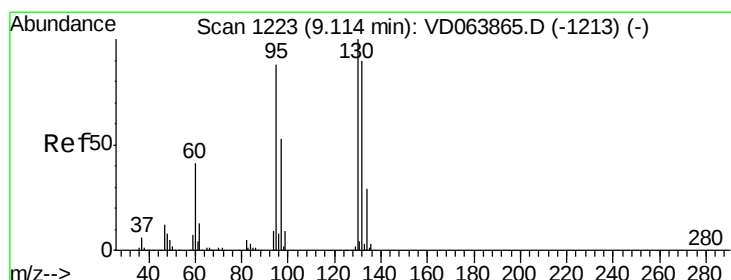
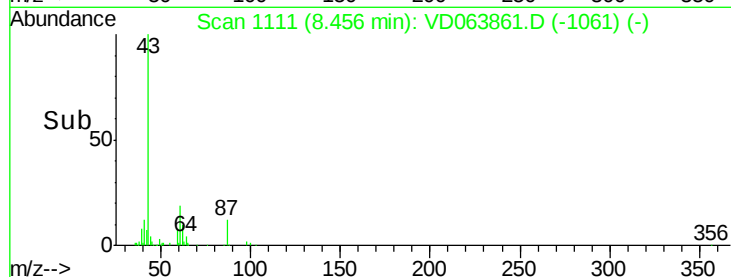
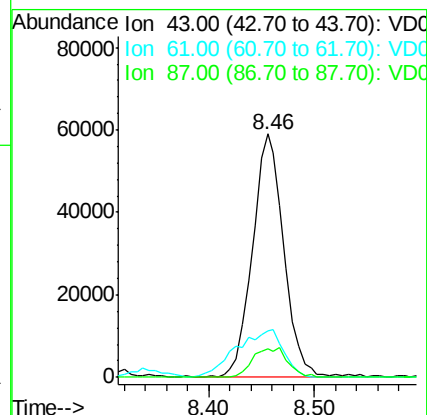
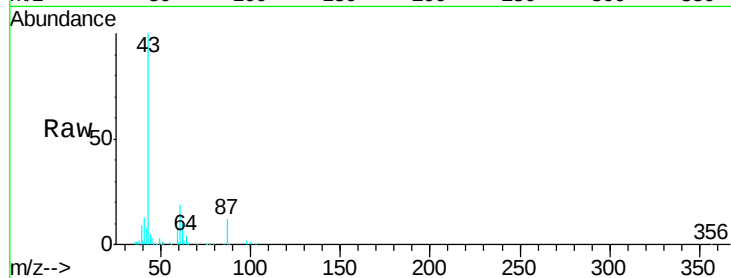




#43
Isopropyl Acetate
Concen: 49.302 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

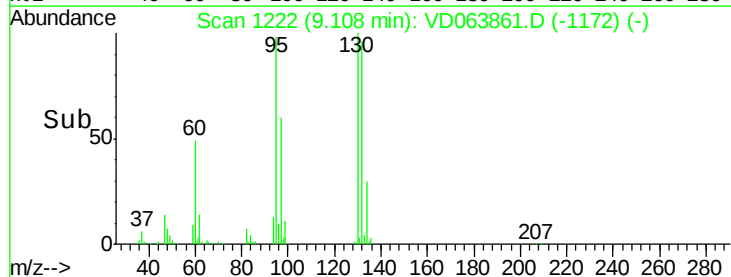
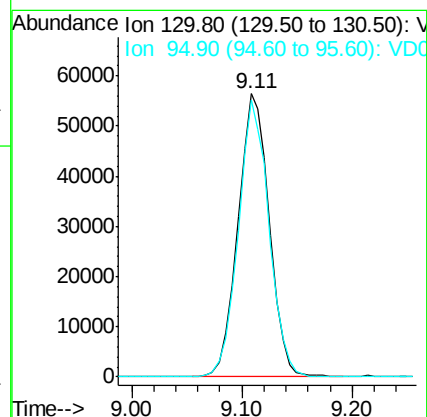
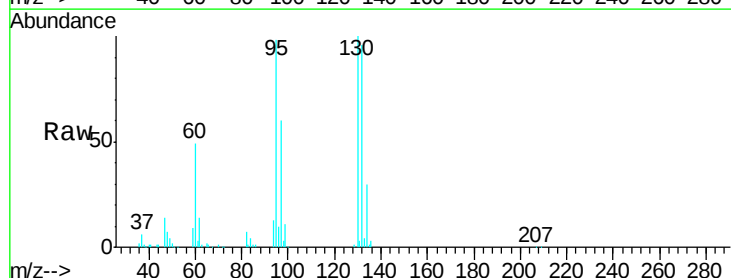
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

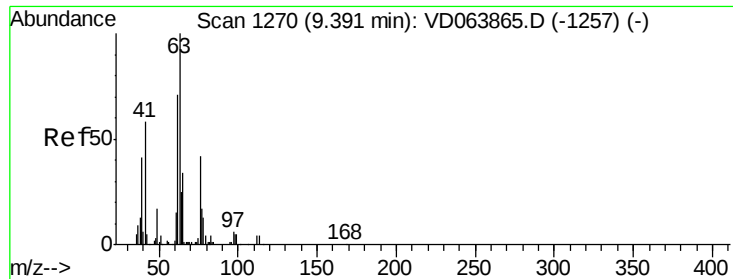
Tgt Ion: 43 Resp: 122059
Ion Ratio Lower Upper
43 100
61 29.4 25.7 38.5
87 13.4 11.6 17.4



#44
Trichloroethene
Concen: 47.432 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 130 Resp: 112171
Ion Ratio Lower Upper
130 100
95 97.9 0.0 175.6

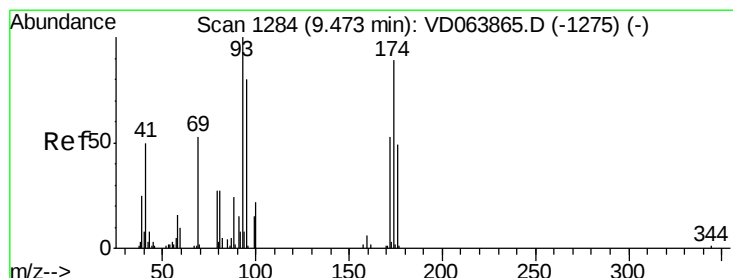
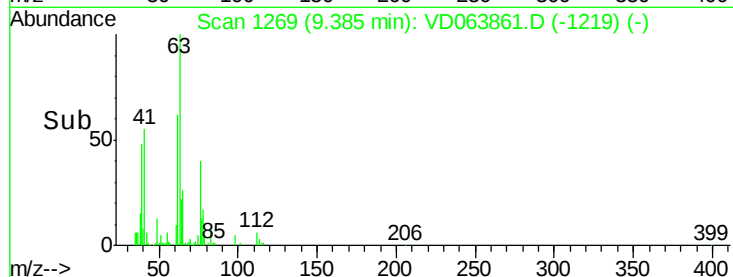
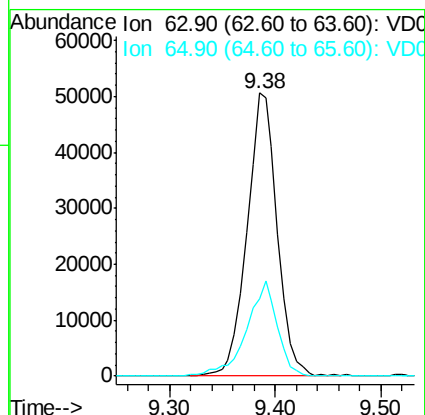
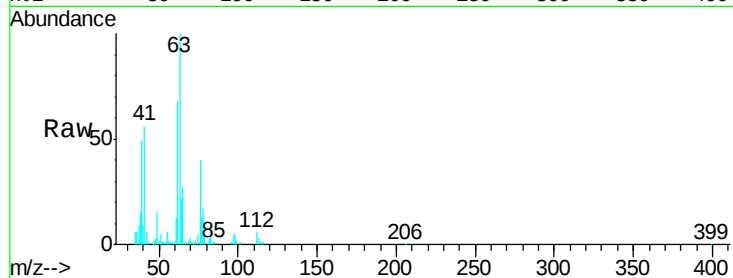




#45
 1,2-Dichloropropane
 Concen: 49.572 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

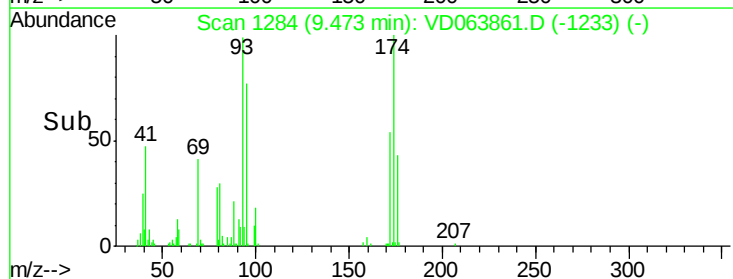
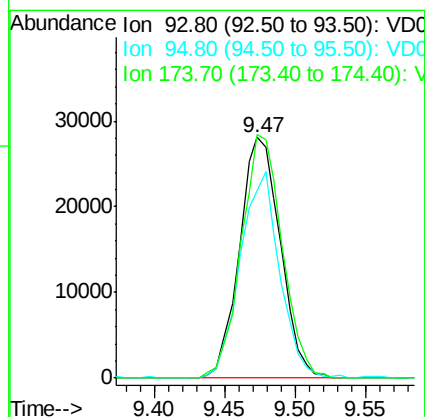
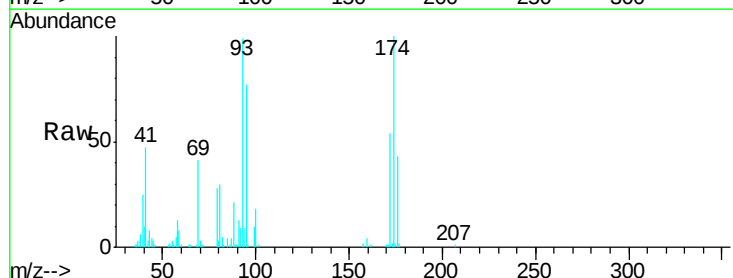
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

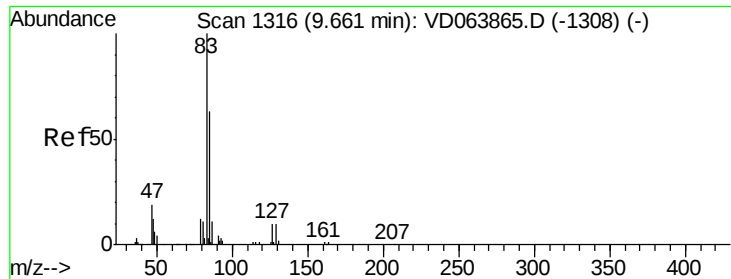
Tgt Ion: 63 Resp: 99957
 Ion Ratio Lower Upper
 63 100
 65 27.4 27.3 40.9



#46
 Dibromomethane
 Concen: 49.854 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 93 Resp: 56839
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.0 99.0
 174 101.5 83.4 125.0





#47

Bromodichloromethane

Concen: 49.524 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

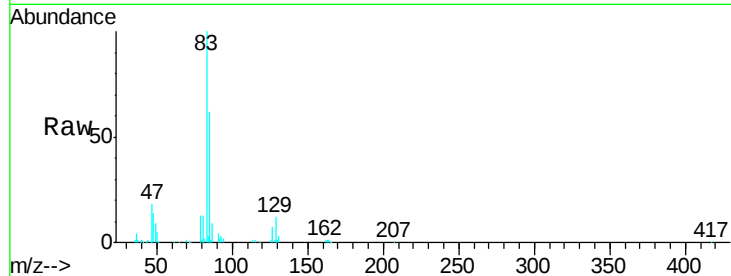
Tgt Ion: 83 Resp: 145025

Ion Ratio Lower Upper

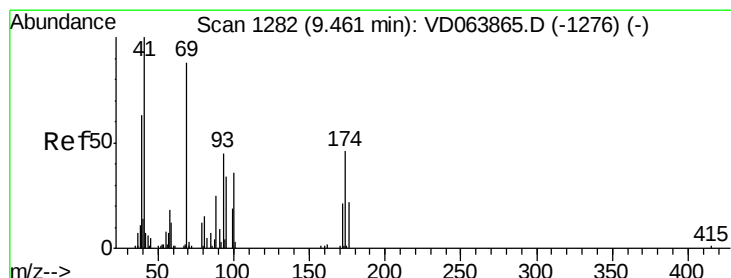
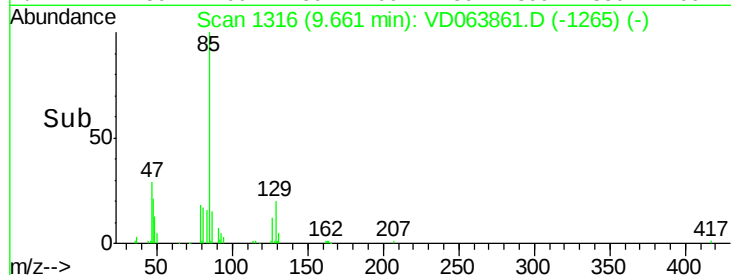
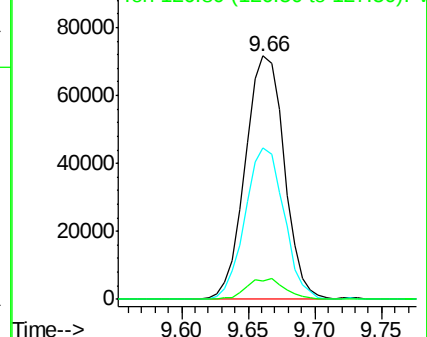
83 100

85 62.0 50.2 75.2

127 7.3 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: 47.435 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

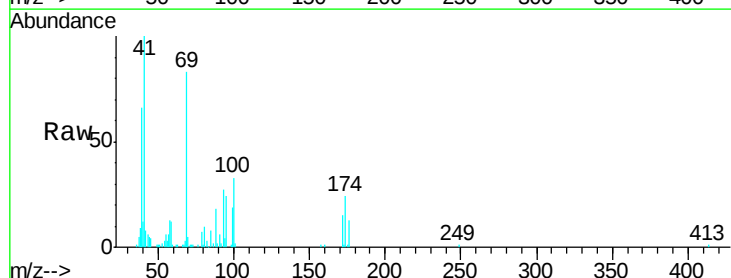
Tgt Ion: 41 Resp: 53530

Ion Ratio Lower Upper

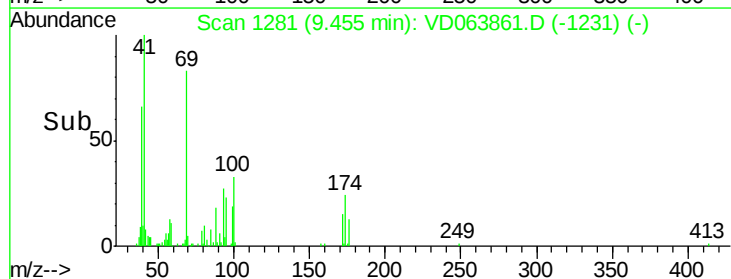
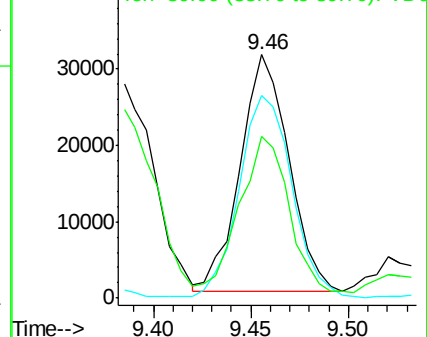
41 100

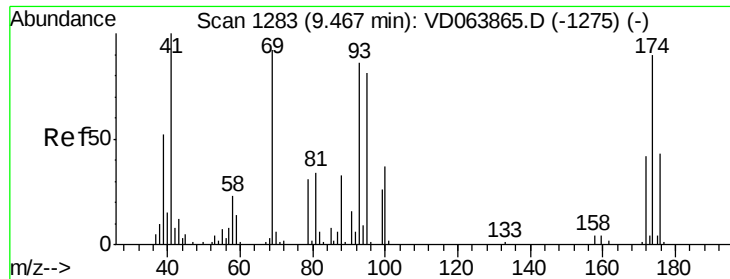
69 93.6 75.1 112.7

39 73.2 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

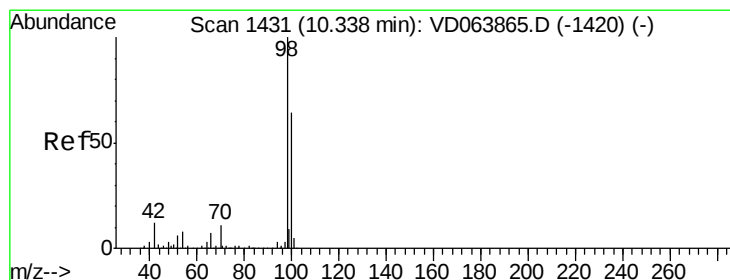
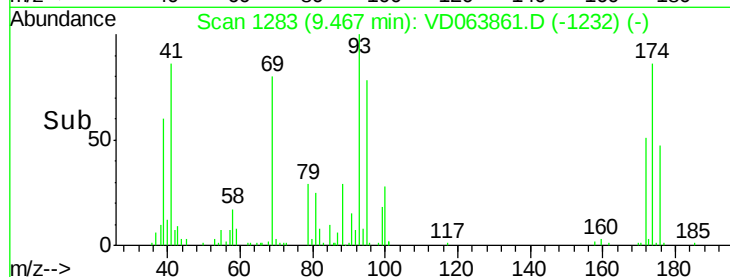
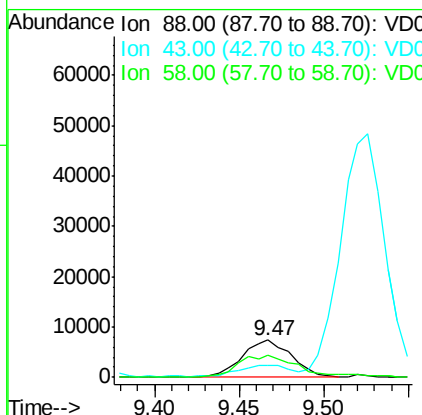
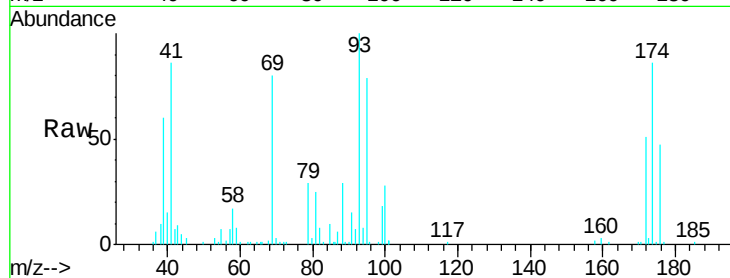




#49
1,4-Dioxane
Concen: 930.894 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

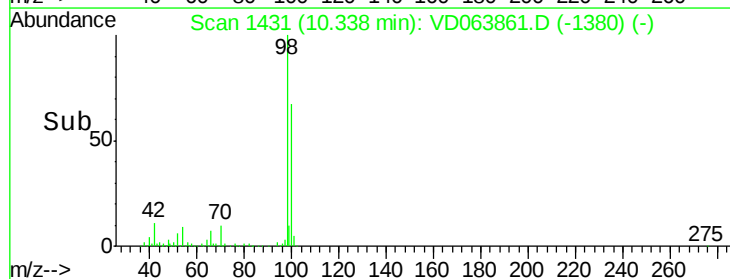
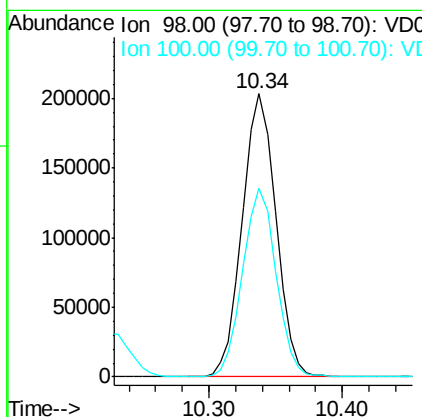
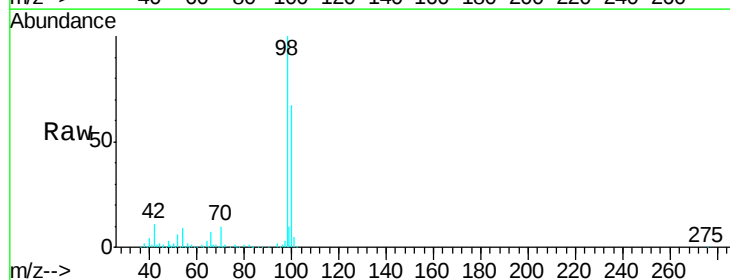
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

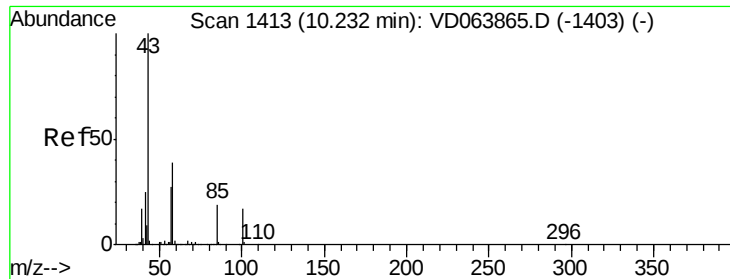
Tgt Ion: 88 Resp: 15033
Ion Ratio Lower Upper
88 100
43 31.1 27.6 41.4
58 73.4 54.1 81.1



#50
Toluene-d8
Concen: 45.996 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 98 Resp: 356099
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1

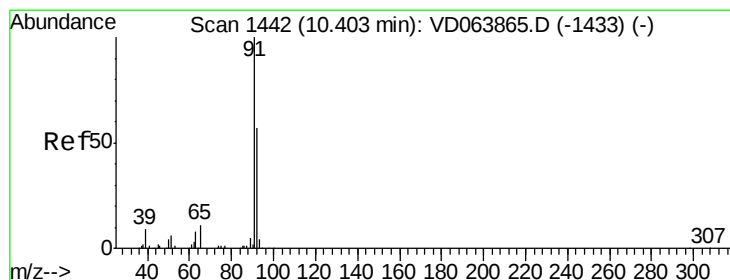
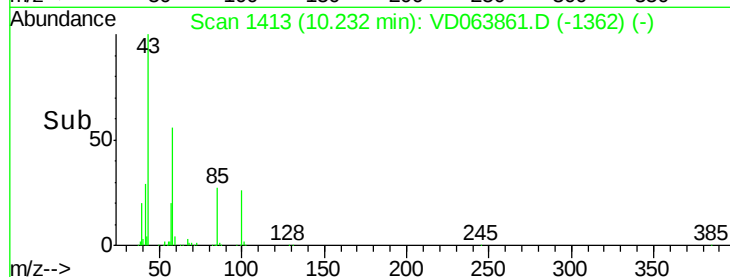
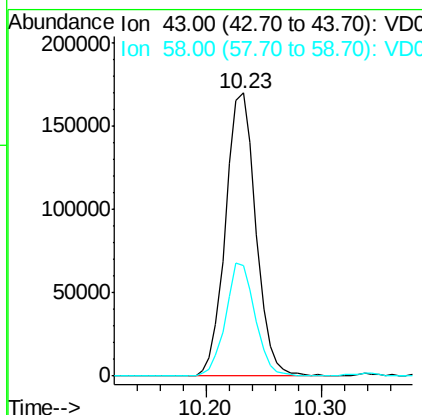
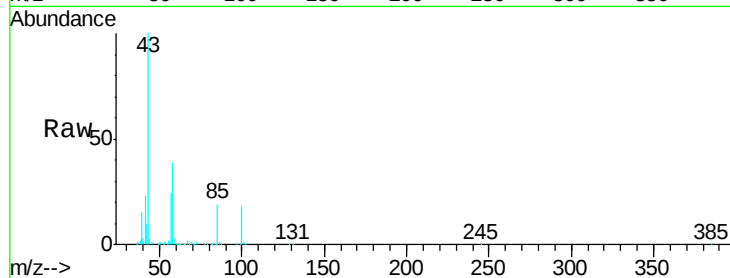




#51
 4-Methyl-2-Pentanone
 Concen: 247.497 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

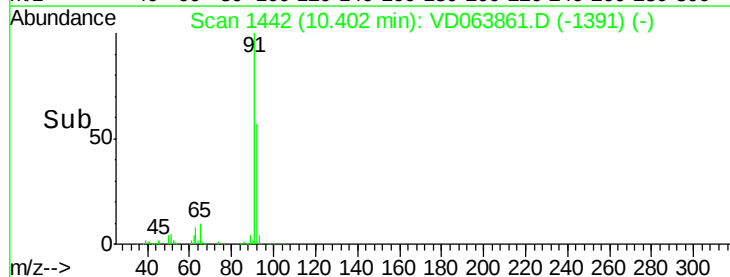
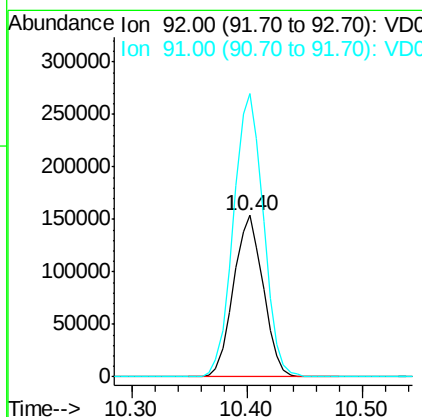
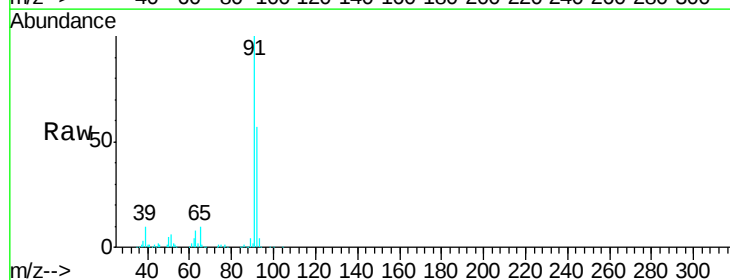
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 310763
 Ion Ratio Lower Upper
 43 100
 58 38.8 33.0 49.4



#52
 Toluene
 Concen: 49.539 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 92 Resp: 274388
 Ion Ratio Lower Upper
 92 100
 91 176.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 49.700 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

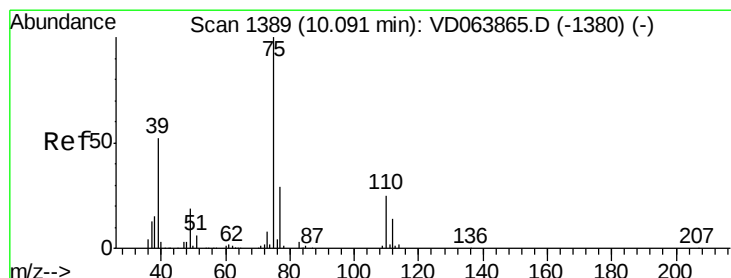
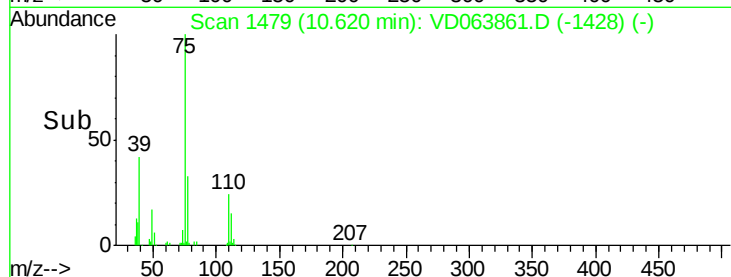
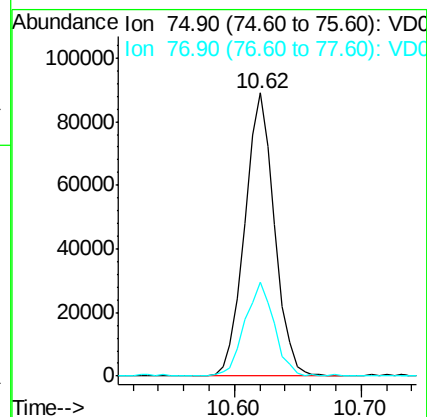
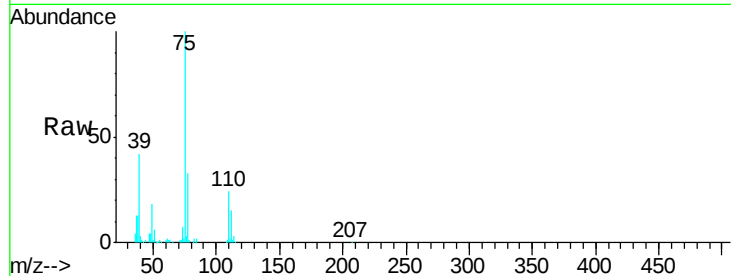
VSTDCCC050

Tgt Ion: 75 Resp: 144364

Ion Ratio Lower Upper

75 100

77 33.1 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 50.459 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

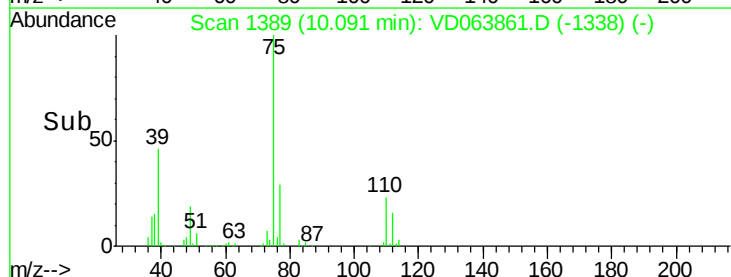
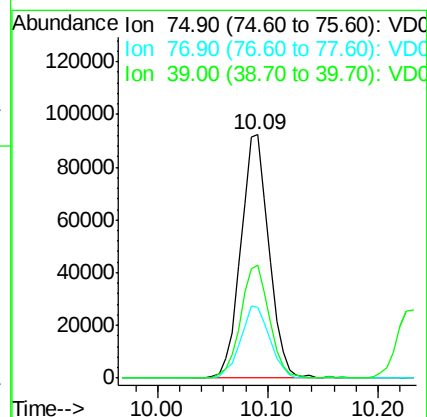
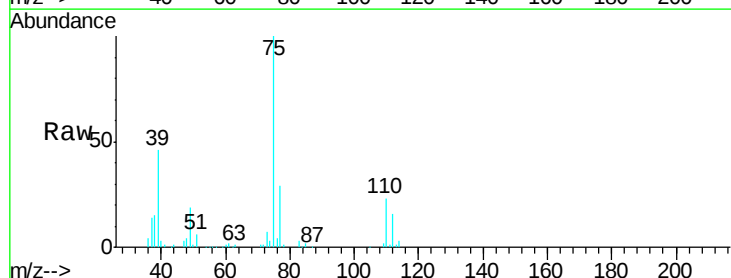
Tgt Ion: 75 Resp: 165980

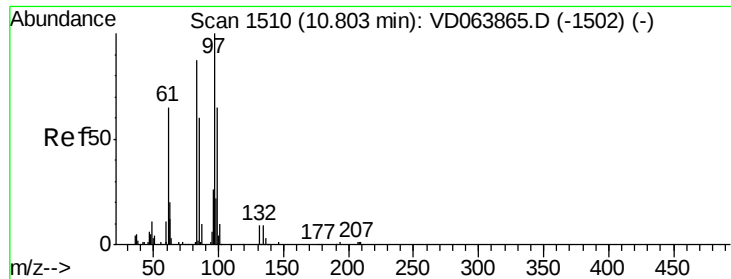
Ion Ratio Lower Upper

75 100

77 29.3 23.2 34.8

39 46.2 41.5 62.3

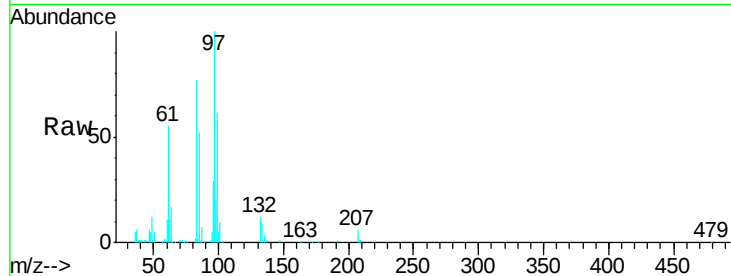




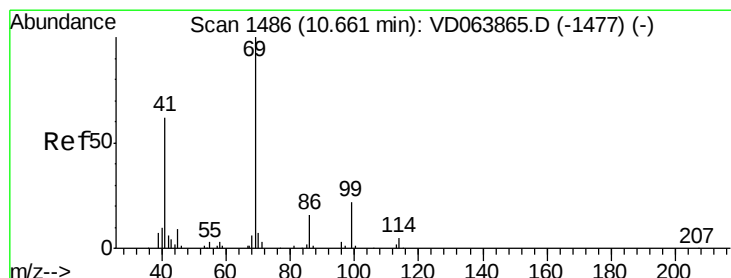
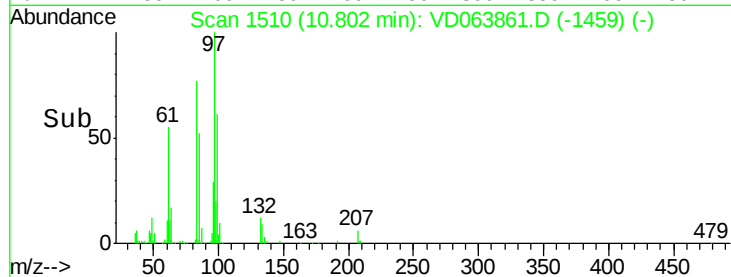
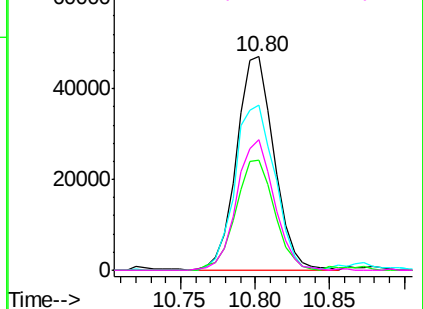
#55
 1,1,2-Trichloroethane
 Concen: 51.188 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 82163
 Ion Ratio Lower Upper
 97 100
 83 77.0 69.7 104.5
 85 51.7 48.1 72.1
 99 61.3 51.9 77.9

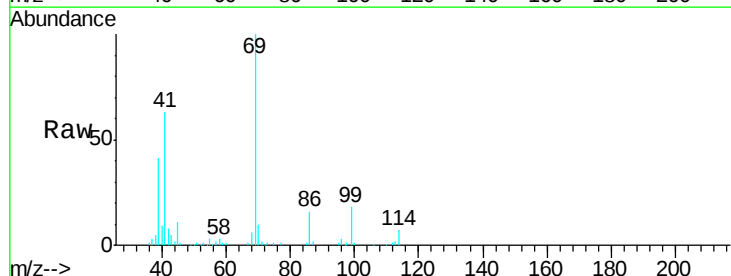


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

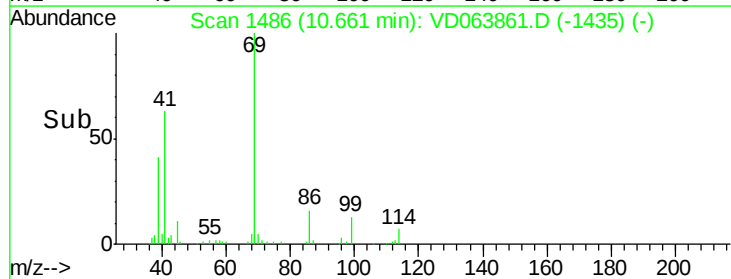
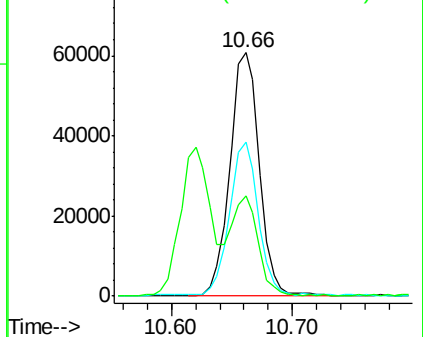


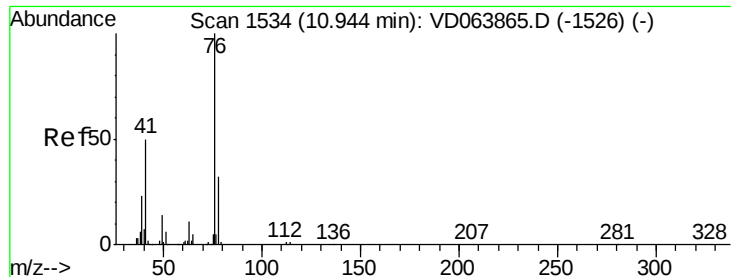
#56
 Ethyl methacrylate
 Concen: 50.619 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 69 Resp: 103599
 Ion Ratio Lower Upper
 69 100
 41 60.5 51.3 76.9
 39 36.6 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

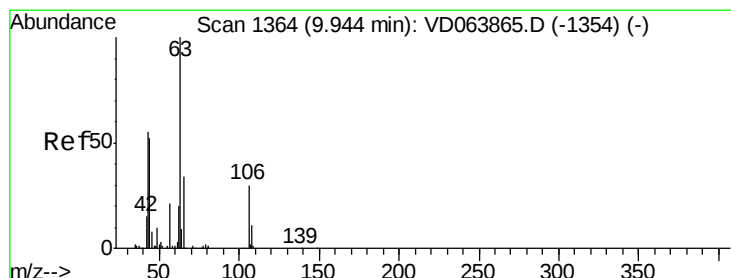
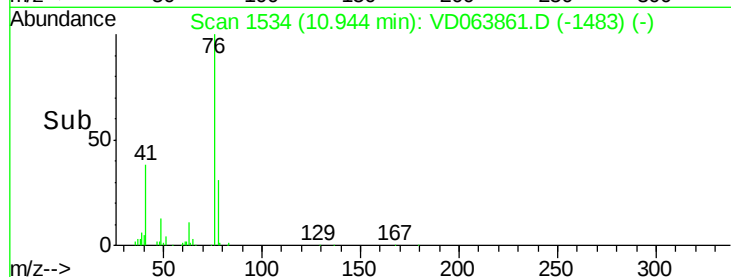
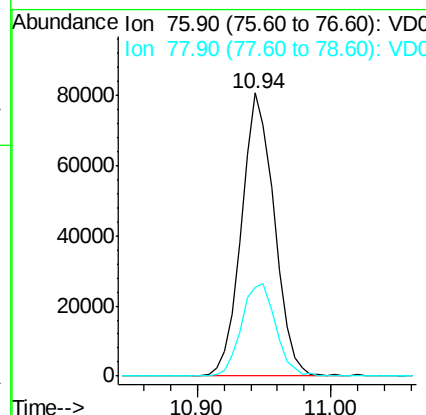
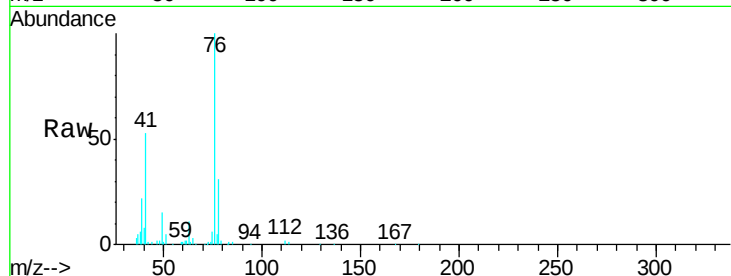




#57
 1,3-Dichloropropane
 Concen: 49.901 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

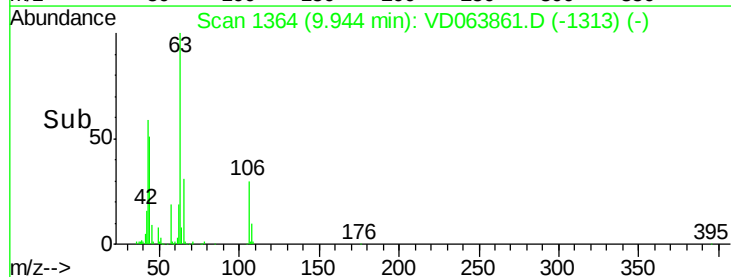
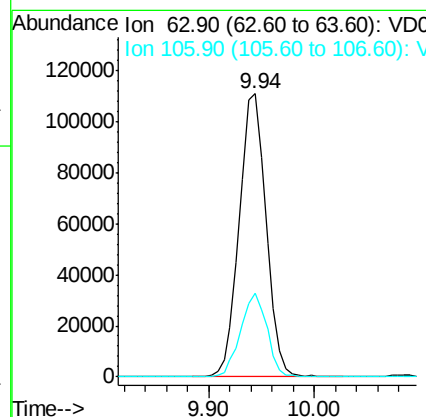
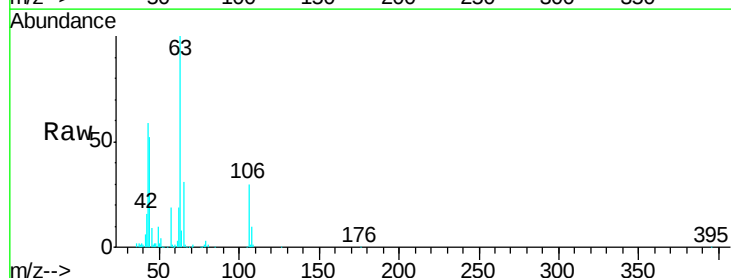
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

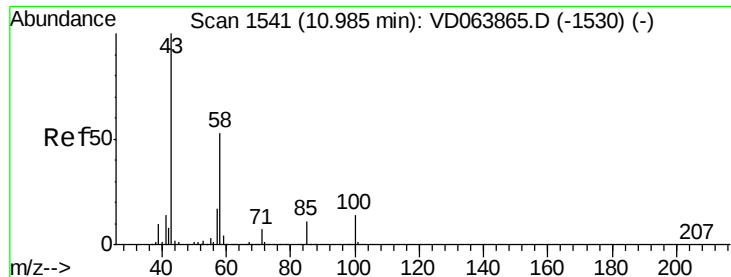
Tgt Ion: 76 Resp: 137010
 Ion Ratio Lower Upper
 76 100
 78 34.1 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.900 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 63 Resp: 195581
 Ion Ratio Lower Upper
 63 100
 106 29.2 24.3 36.5

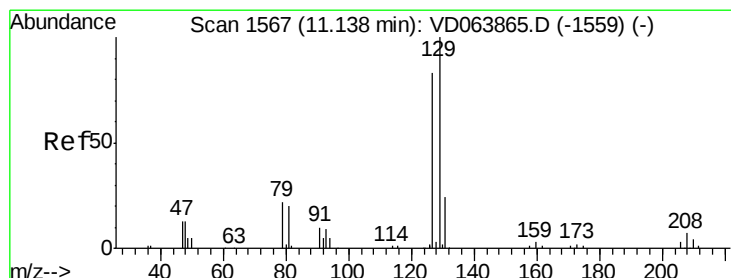
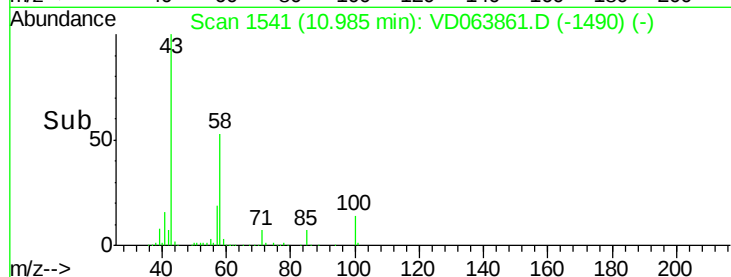
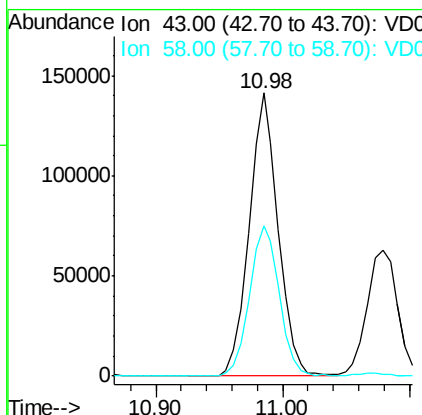
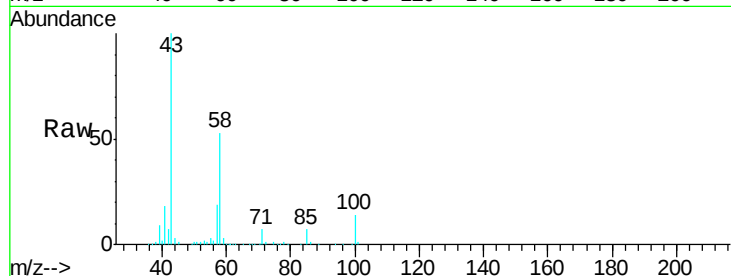




#59
2-Hexanone
Concen: 246.090 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

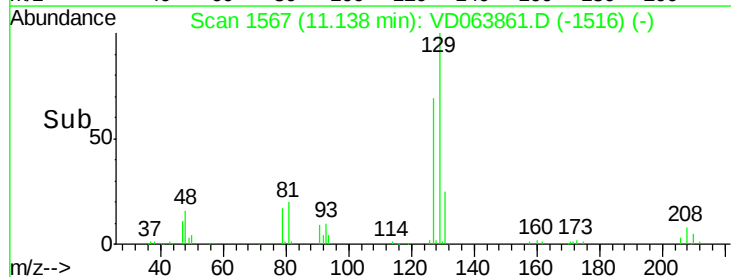
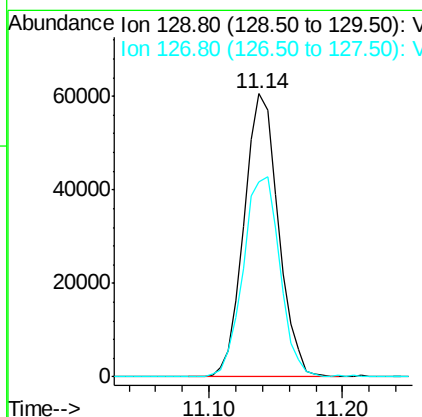
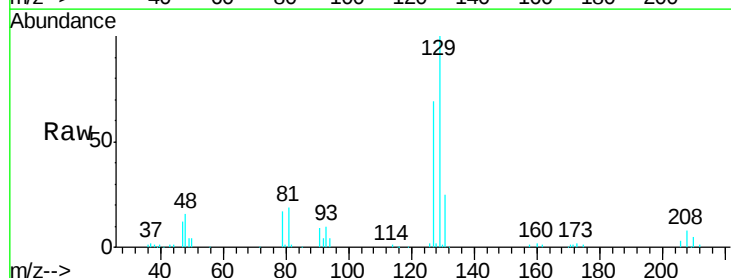
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

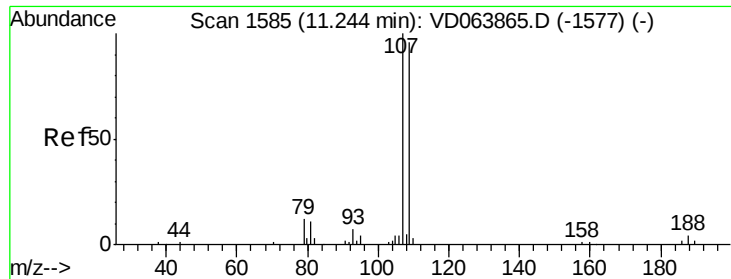
Tgt Ion: 43 Resp: 224086
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.0



#60
Dibromochloromethane
Concen: 50.864 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 129 Resp: 107863
Ion Ratio Lower Upper
129 100
127 75.0 39.9 119.6

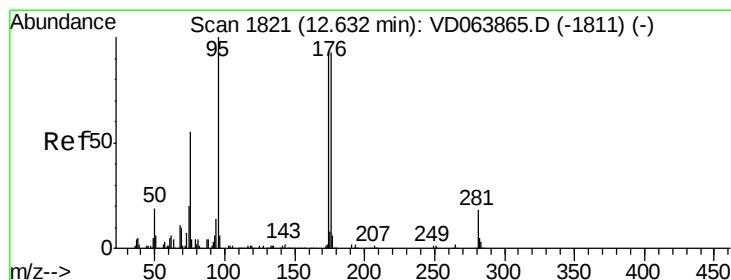
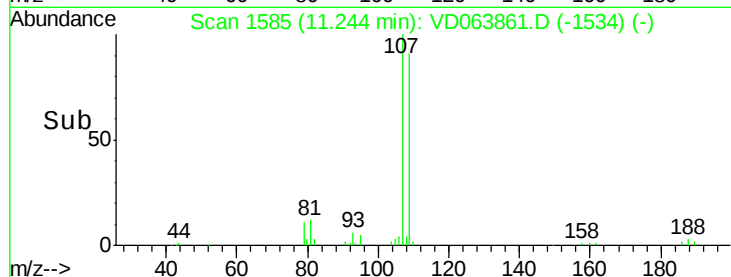
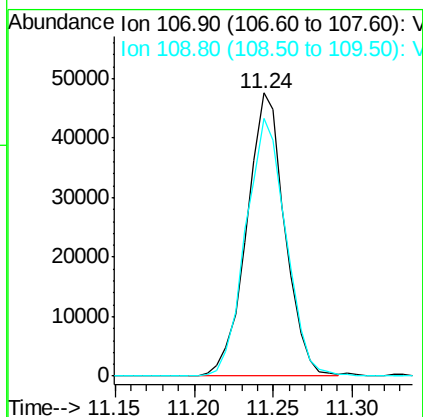
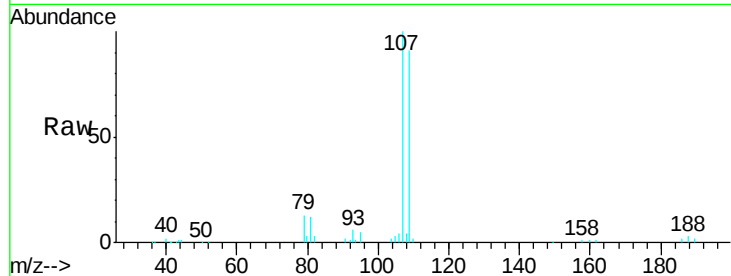




#61
 1,2-Dibromoethane
 Concen: 49.439 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

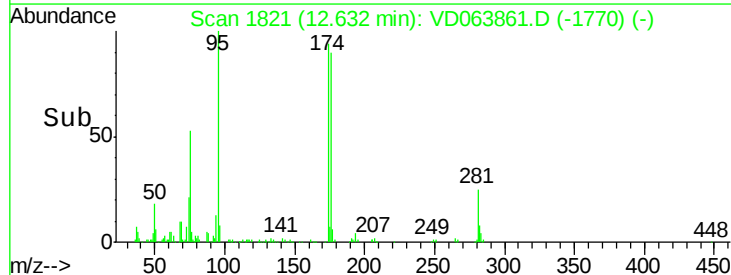
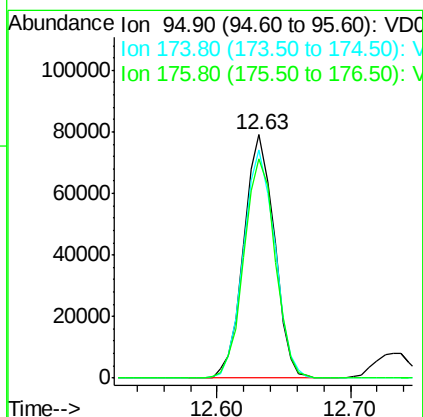
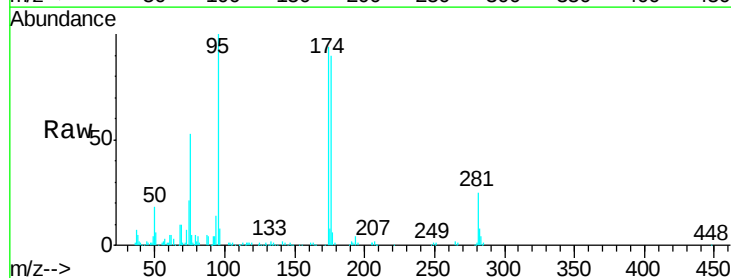
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

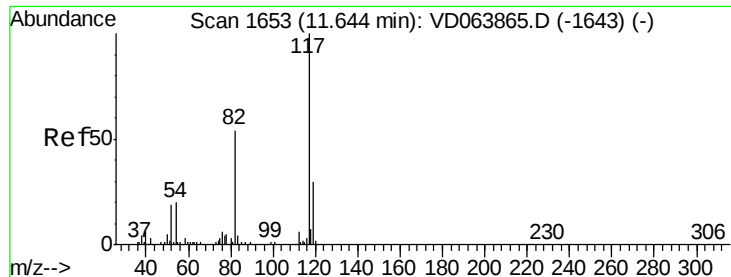
Tgt Ion: 107 Resp: 79620
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 44.931 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 95 Resp: 125347
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 186.4
 176 92.2 0.0 184.2

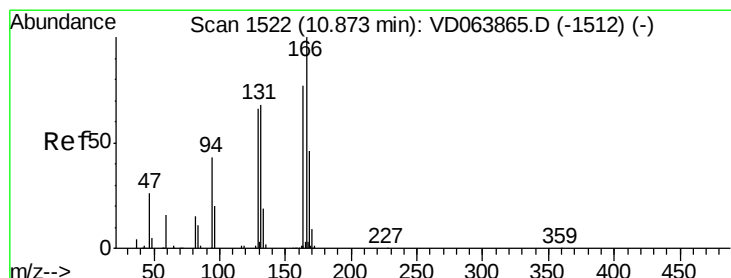
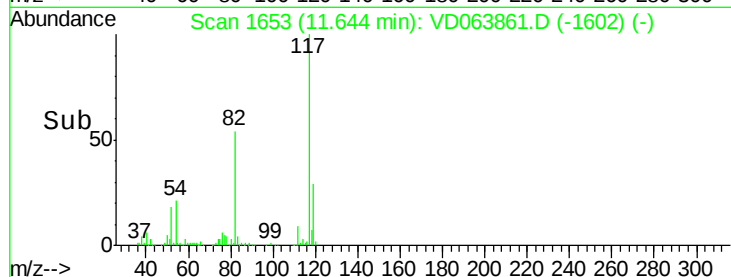
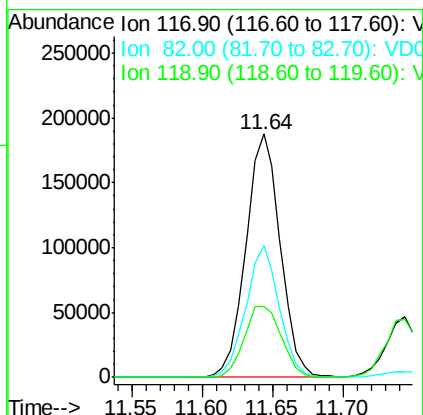
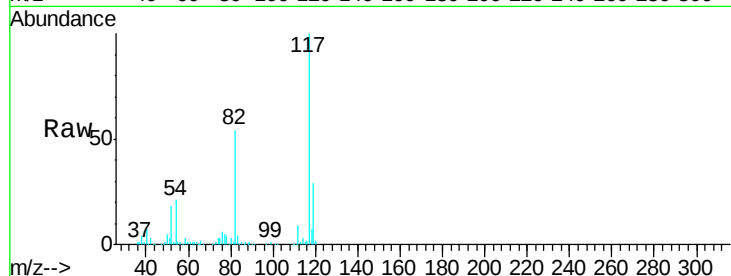




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

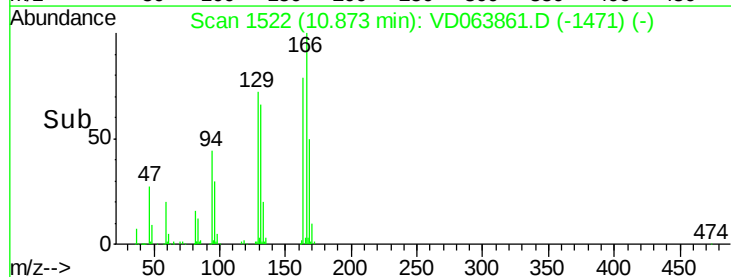
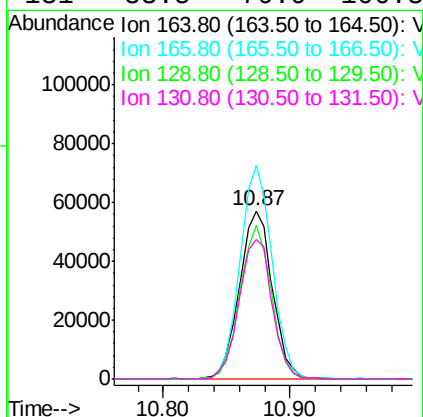
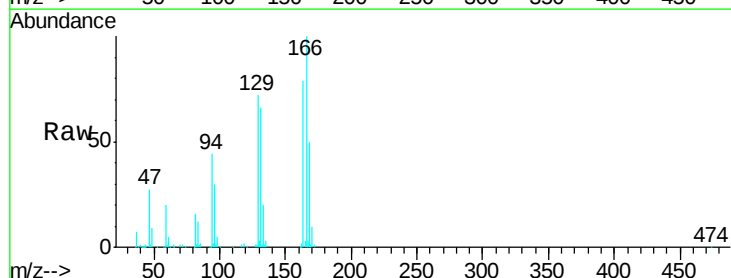
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

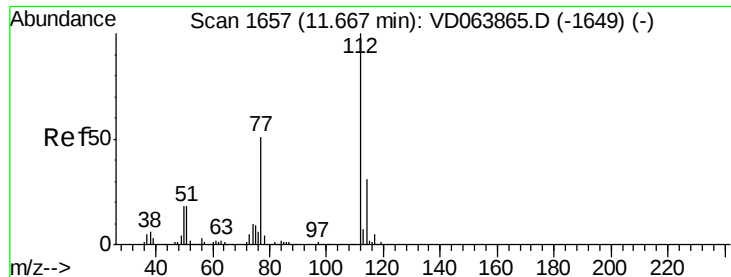
Tgt Ion:117 Resp: 320593
Ion Ratio Lower Upper
117 100
82 54.3 42.8 64.2
119 29.1 24.4 36.6



#64
Tetrachloroethene
Concen: 48.044 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion:164 Resp: 102782
Ion Ratio Lower Upper
164 100
166 127.4 103.8 155.6
129 91.5 68.9 103.3
131 83.5 70.9 106.3

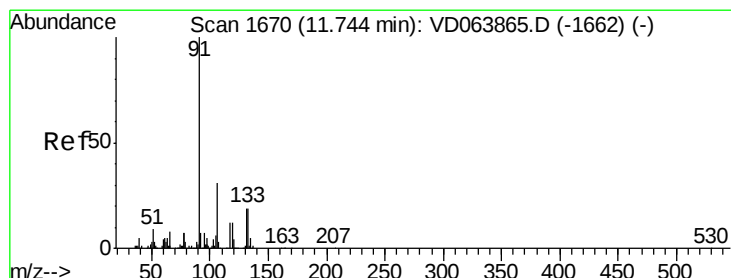
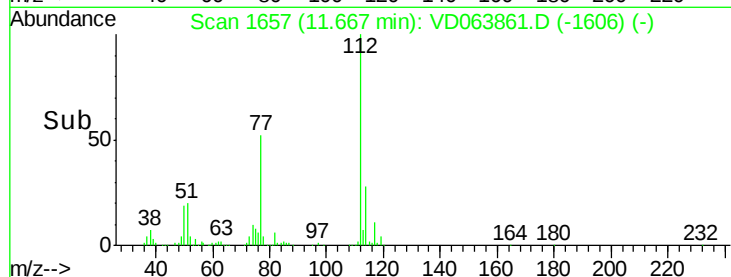
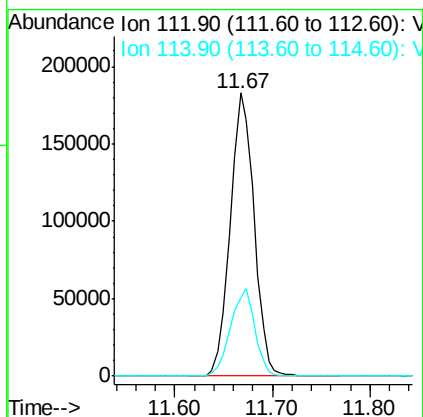
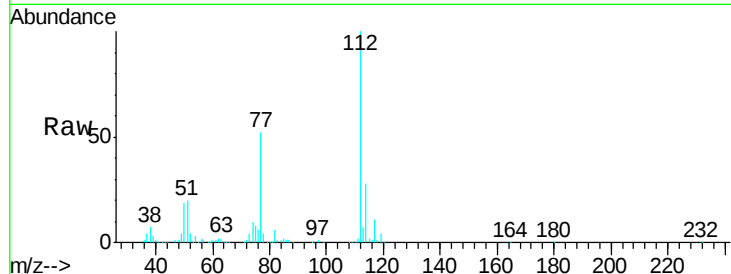




#65
Chlorobenzene
Concen: 48.326 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

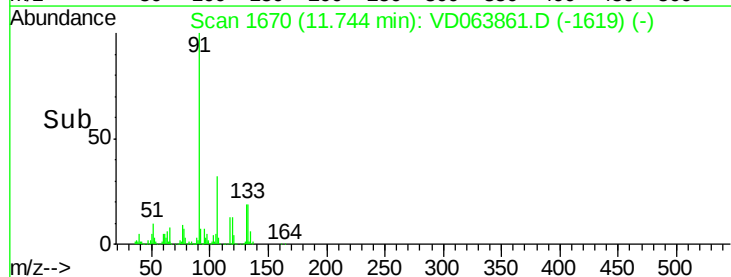
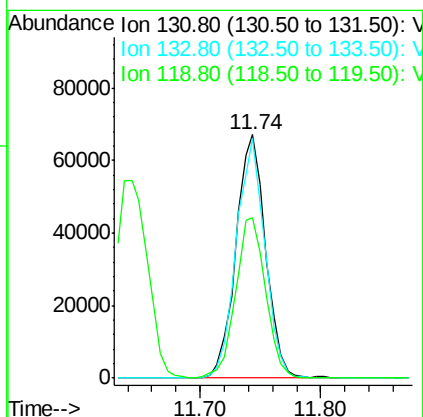
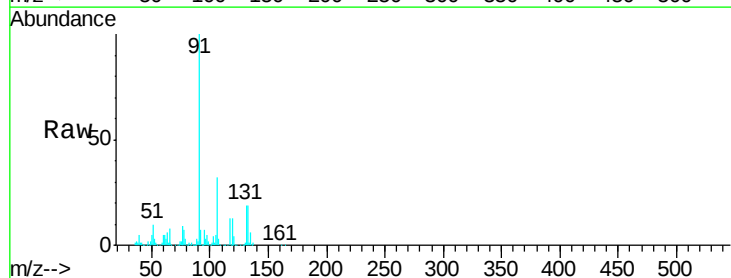
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 309996
Ion Ratio Lower Upper
112 100
114 27.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.731 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion:131 Resp: 114688
Ion Ratio Lower Upper
131 100
133 95.2 48.9 146.7
119 67.0 32.6 97.8

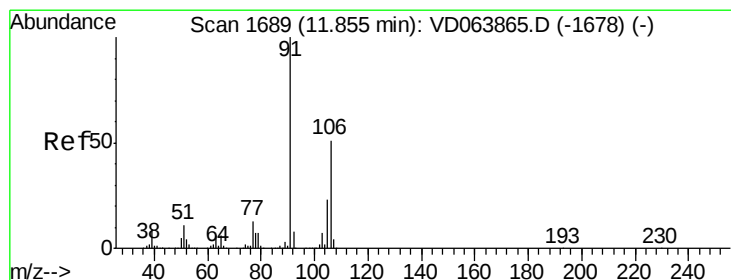
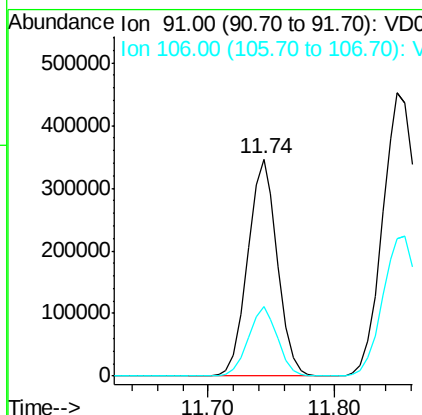
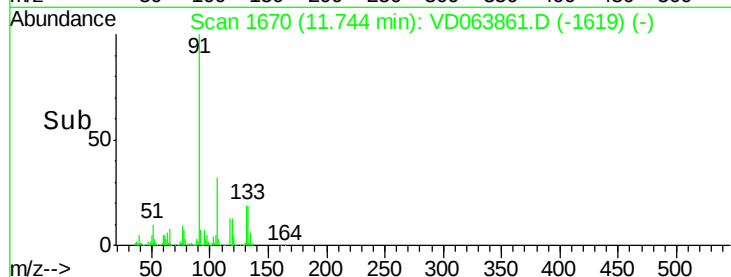
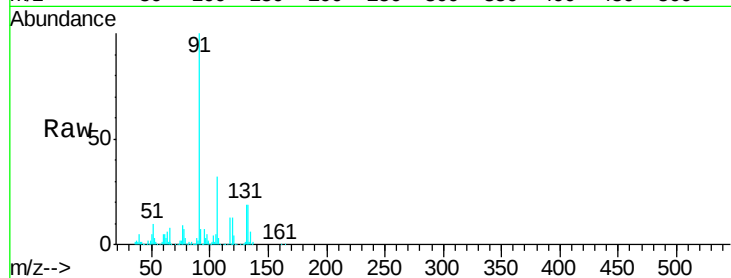




#67
Ethyl Benzene
Concen: 48.684 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

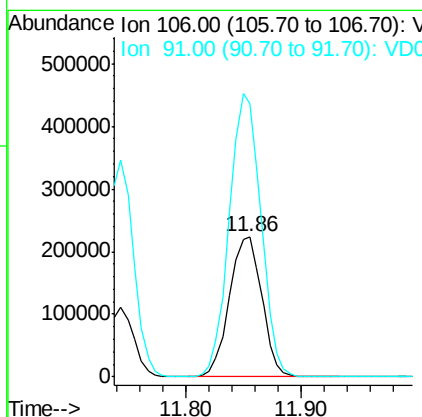
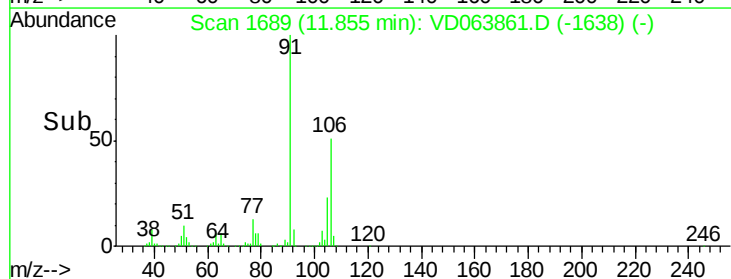
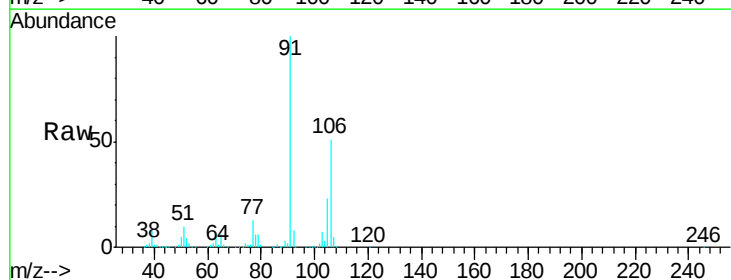
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

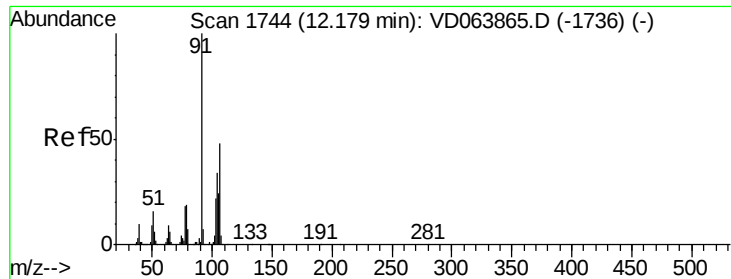
Tgt Ion: 91 Resp: 561232
Ion Ratio Lower Upper
91 100
106 31.8 24.6 37.0



#68
m/p-Xylenes
Concen: 97.590 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 106 Resp: 434190
Ion Ratio Lower Upper
106 100
91 198.5 154.8 232.2

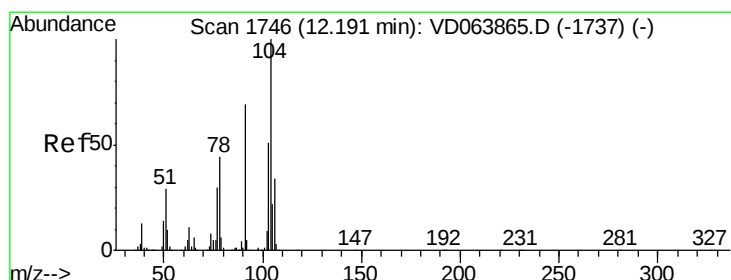
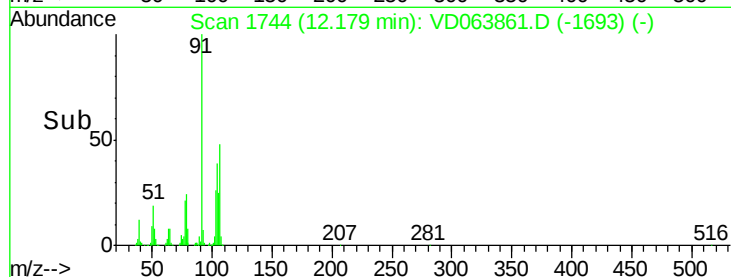
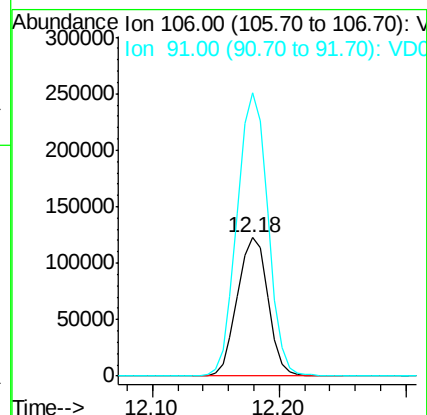
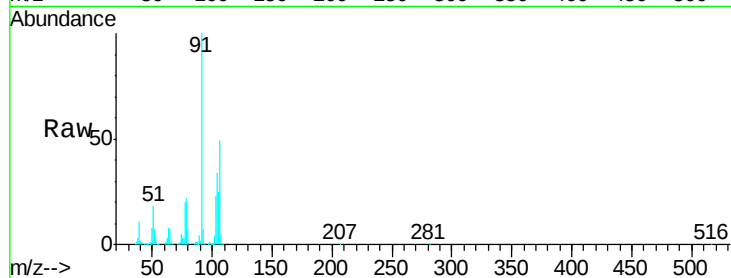




#69
o-Xylene
Concen: 49.144 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

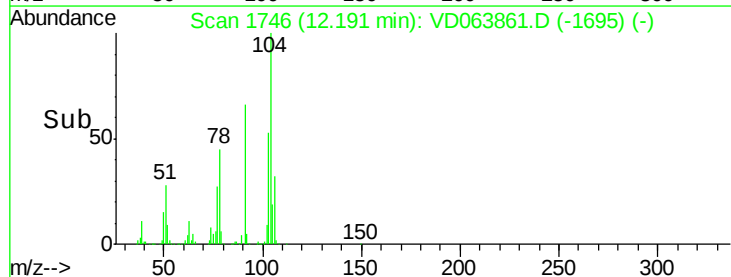
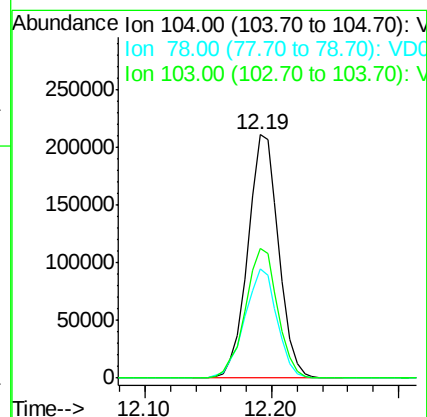
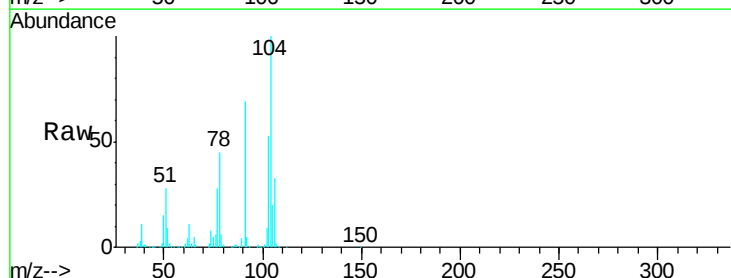
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

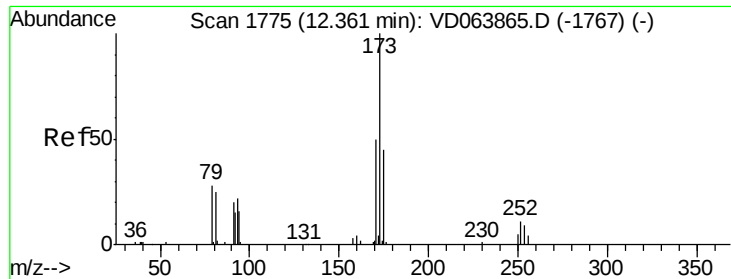
Tgt Ion:106 Resp: 205797
Ion Ratio Lower Upper
106 100
91 205.4 103.9 311.7



#70
Styrene
Concen: 49.909 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion:104 Resp: 355005
Ion Ratio Lower Upper
104 100
78 47.5 37.0 55.4
103 56.1 44.2 66.4

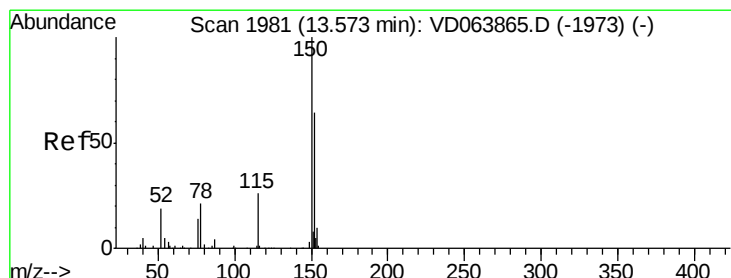
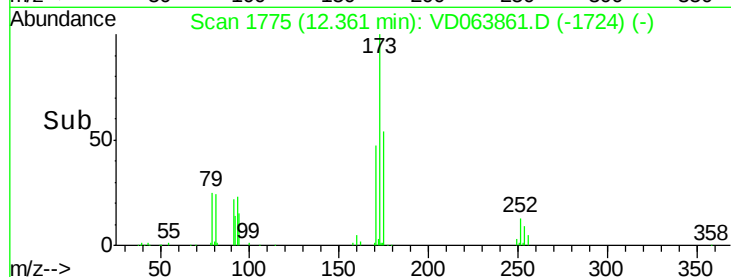
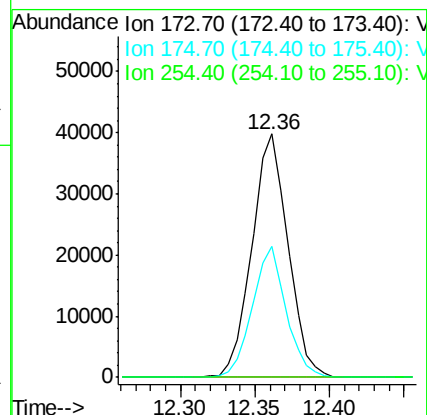
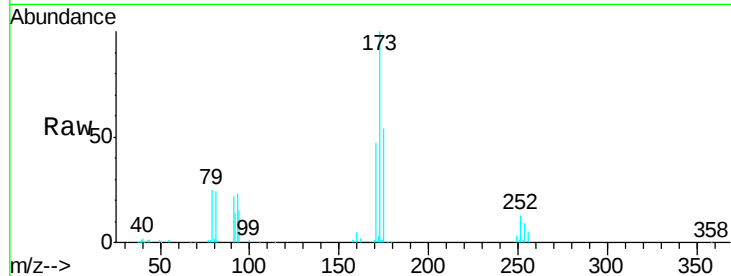




#71
Bromoform
Concen: 51.005 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

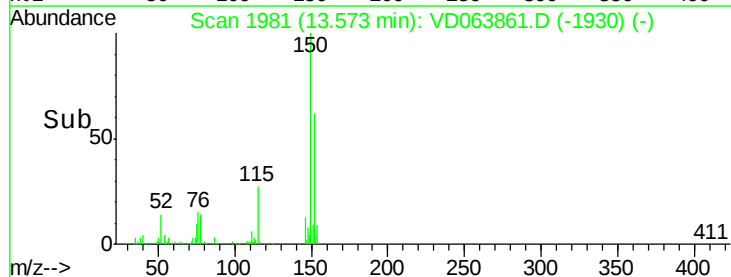
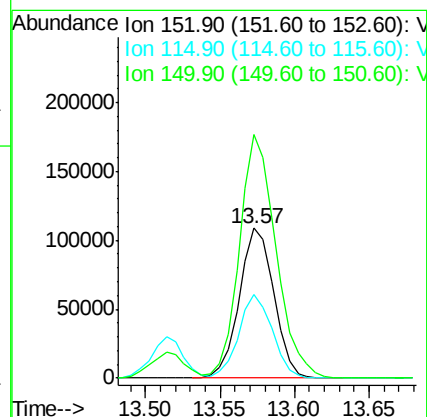
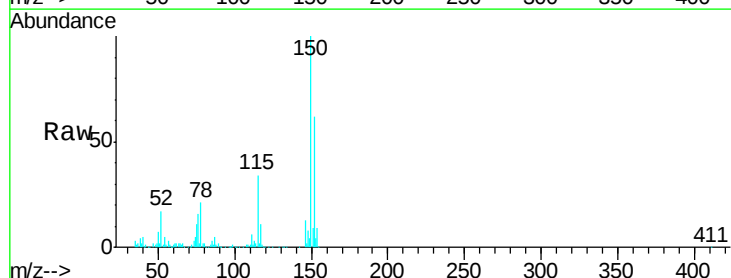
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

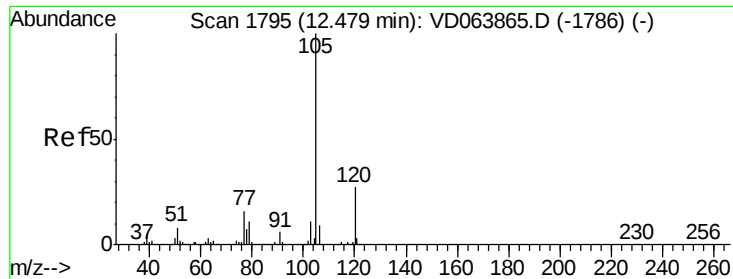
Tgt Ion:173 Resp: 66386
Ion Ratio Lower Upper
173 100
175 50.3 24.6 74.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion:152 Resp: 175639
Ion Ratio Lower Upper
152 100
115 53.9 25.9 77.7
150 170.7 0.0 344.2





#73

Isopropylbenzene

Concen: 46.667 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

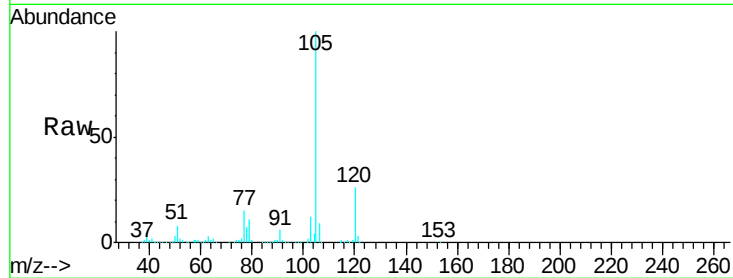
VSTDCCC050

Tgt Ion: 105 Resp: 554407

Ion Ratio Lower Upper

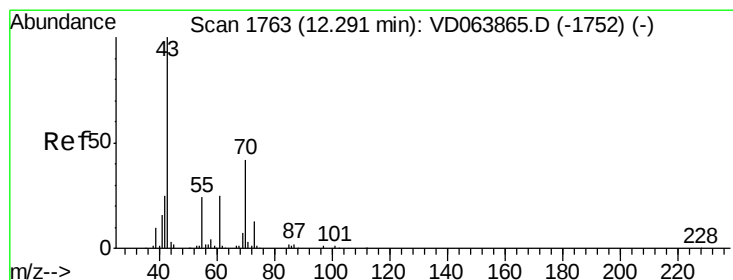
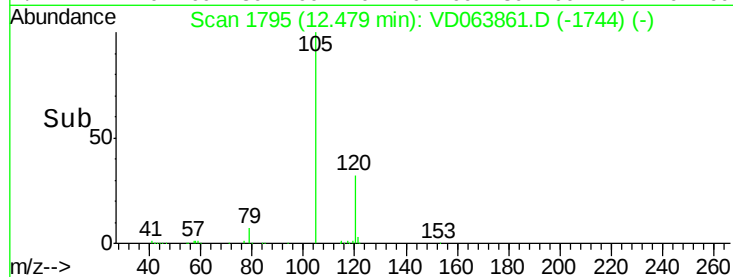
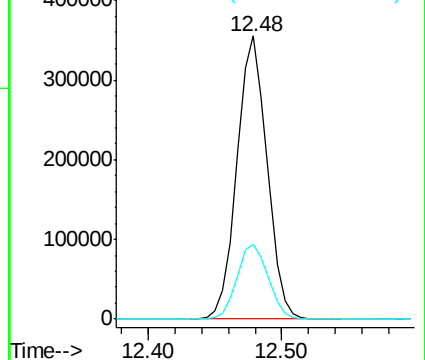
105 100

120 27.4 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: 45.461 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Tgt Ion: 43 Resp: 118597

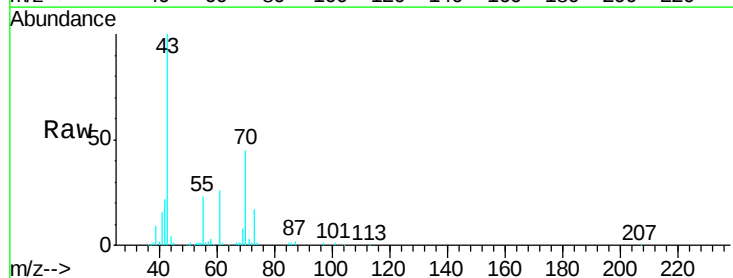
Ion Ratio Lower Upper

43 100

70 45.3 35.8 53.6

55 24.1 19.4 29.0

61 24.9 20.4 30.6

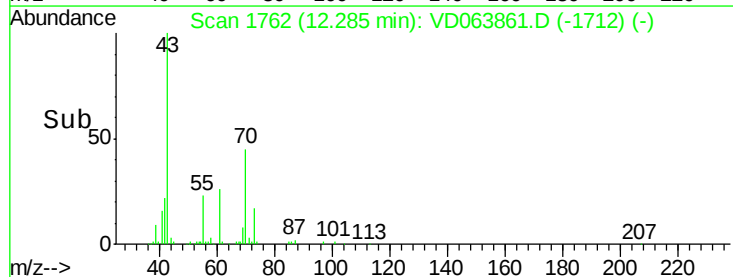
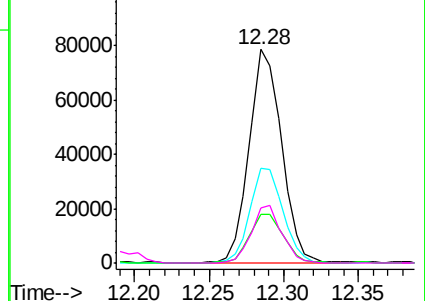


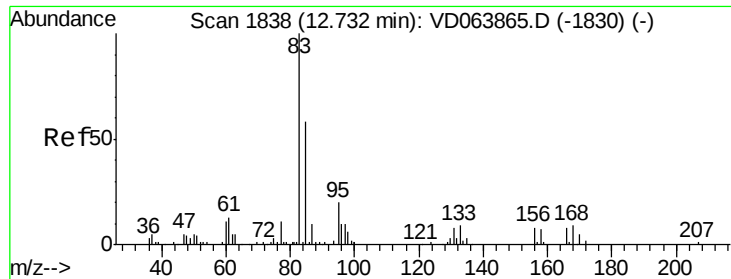
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 45.732 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

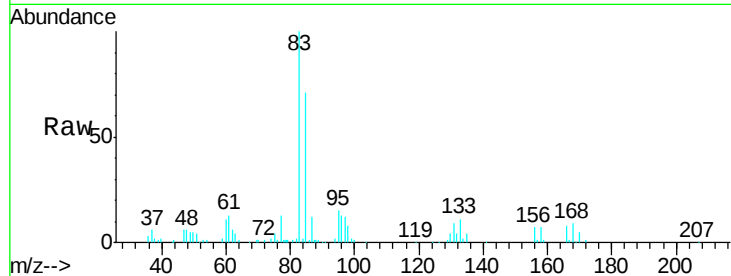
Tgt Ion: 83 Resp: 90924

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

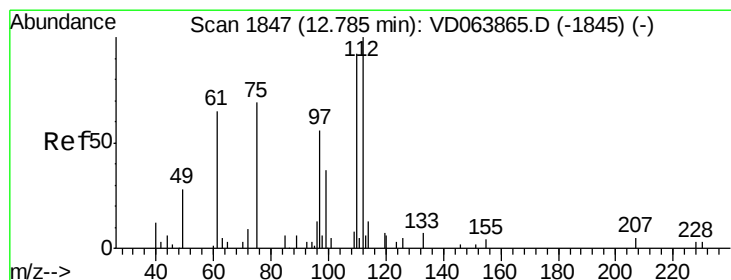
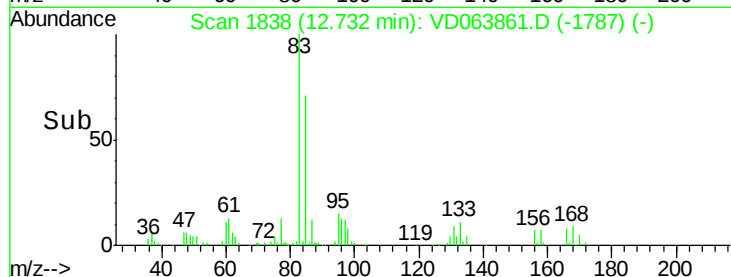
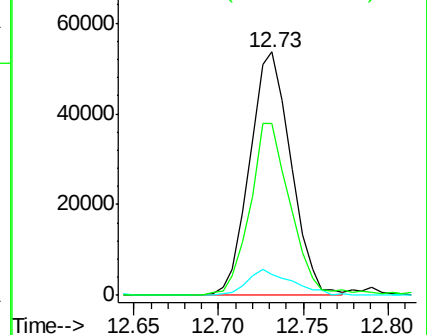
85 70.2 32.3 96.8



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: 93.370 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD063861.D

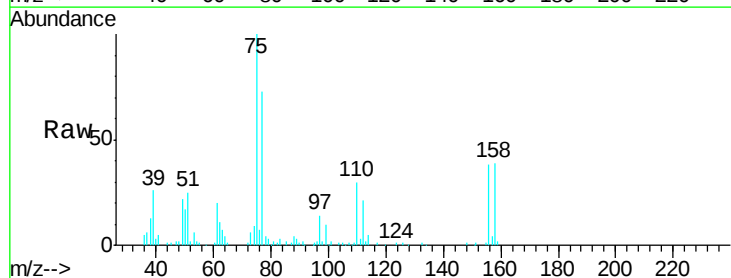
Acq: 02 Oct 2019 15:00

Tgt Ion: 75 Resp: 123672

Ion Ratio Lower Upper

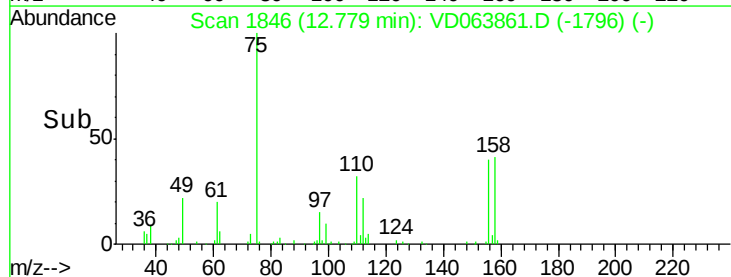
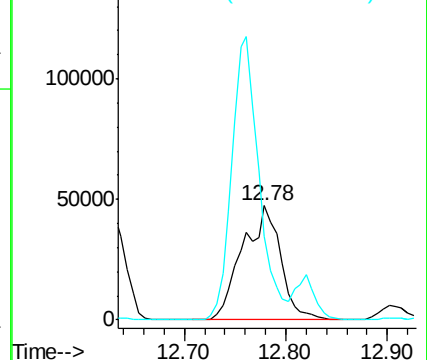
75 100

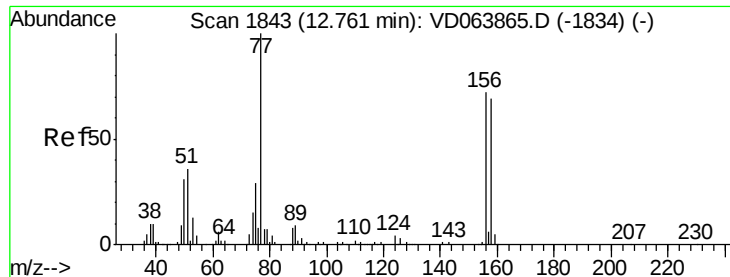
77 177.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.327 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

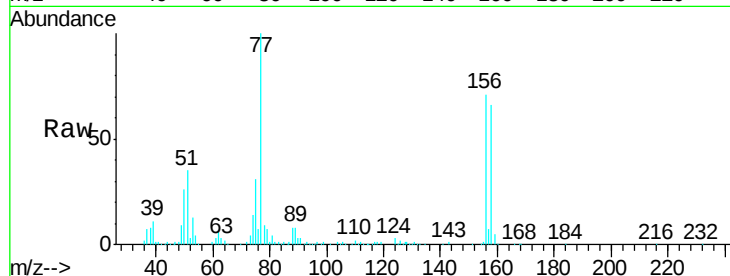
Tgt Ion: 156 Resp: 138728

Ion Ratio Lower Upper

156 100

77 158.0 80.3 241.0

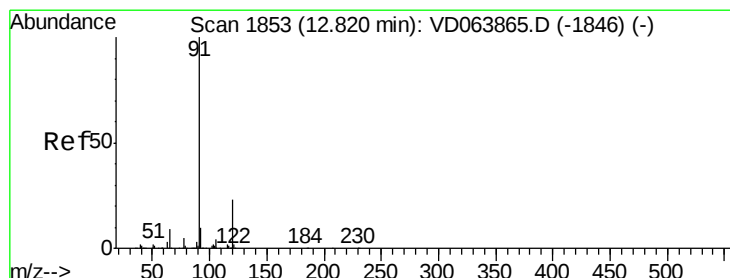
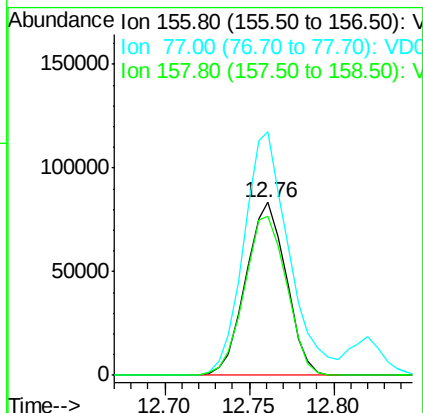
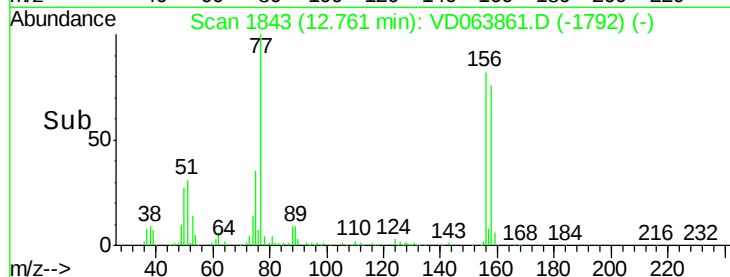
158 96.3 47.4 142.2



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: 46.509 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063861.D

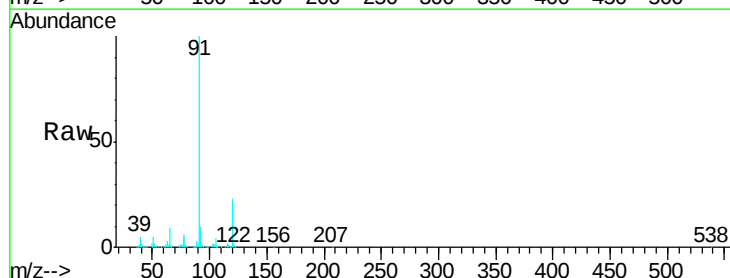
Acq: 02 Oct 2019 15:00

Tgt Ion: 91 Resp: 650606

Ion Ratio Lower Upper

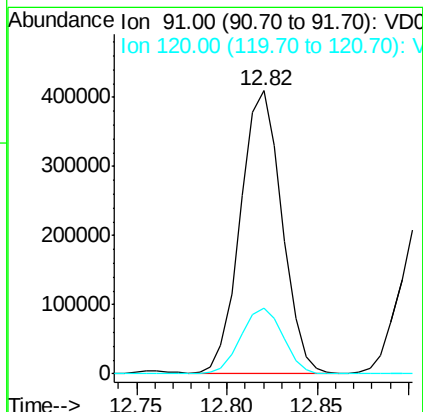
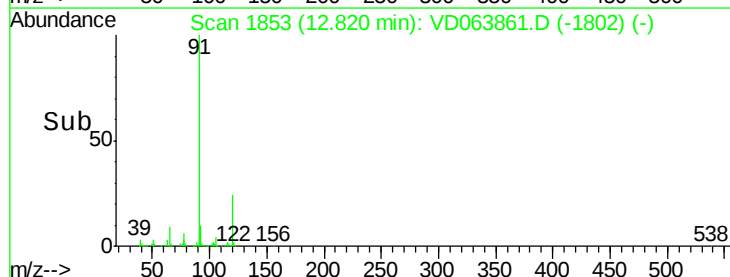
91 100

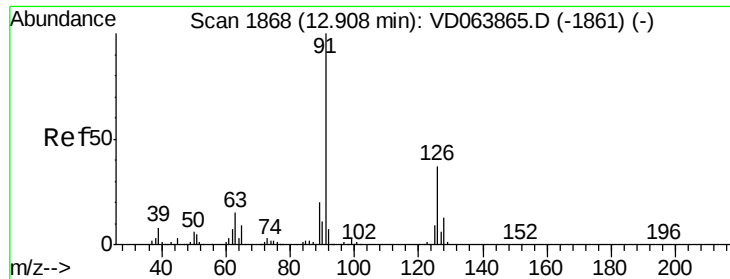
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

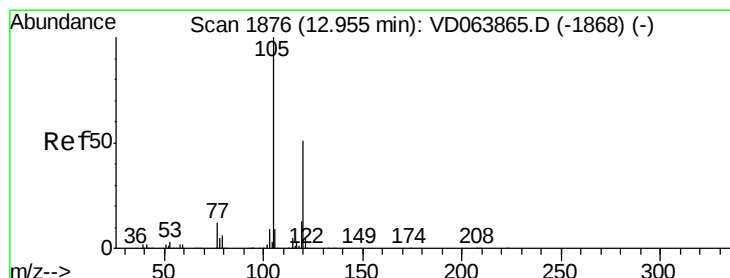
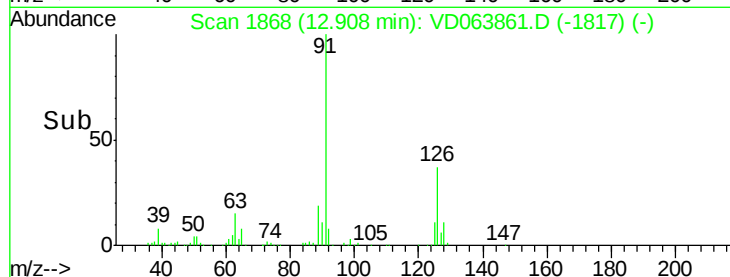
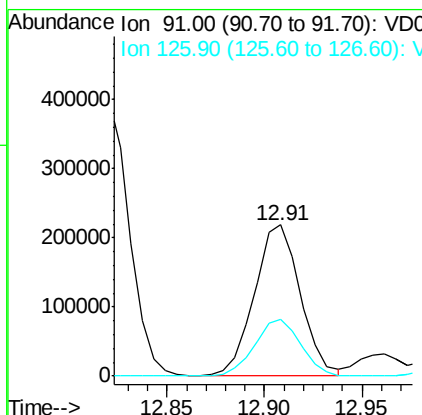
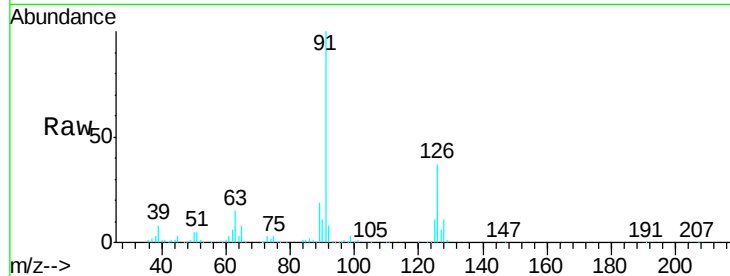




#79
 2-Chlorotoluene
 Concen: 47.294 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

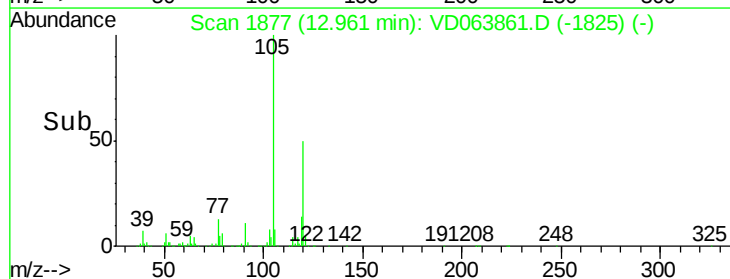
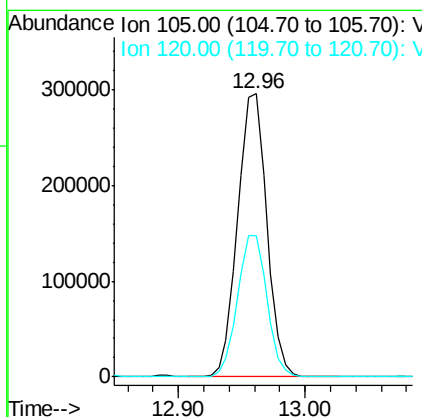
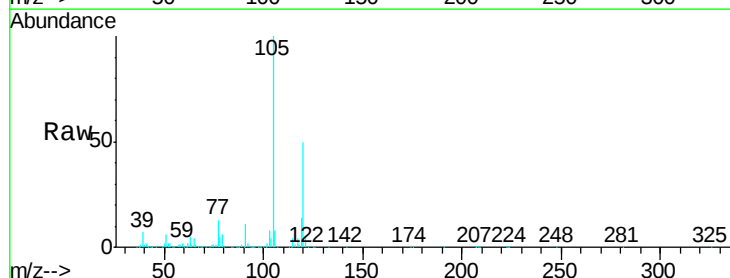
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

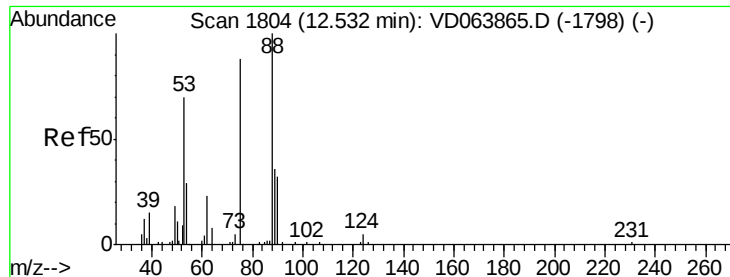
Tgt Ion: 91 Resp: 356444
 Ion Ratio Lower Upper
 91 100
 126 37.7 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 47.517 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion: 105 Resp: 470296
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.523 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063861.D

Acq: 02 Oct 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

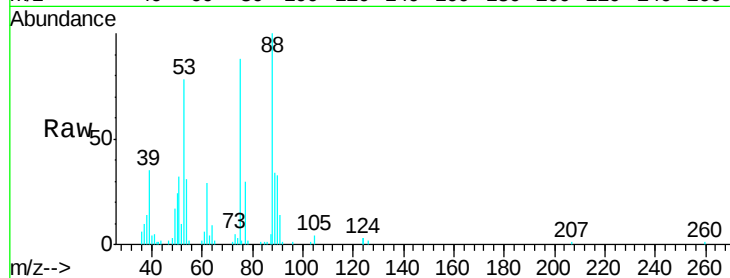
Tgt Ion: 75 Resp: 31592

Ion Ratio Lower Upper

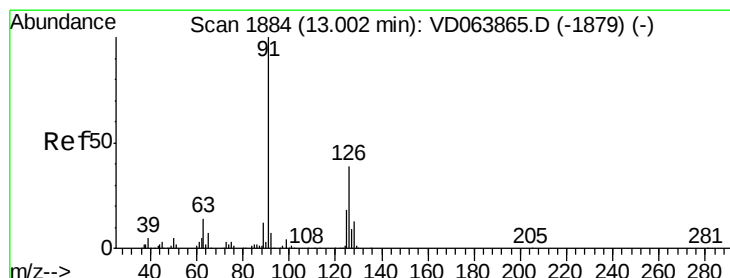
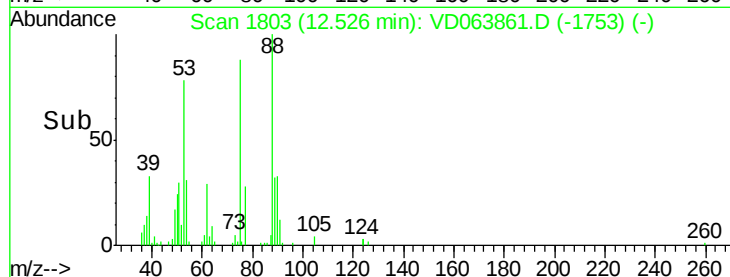
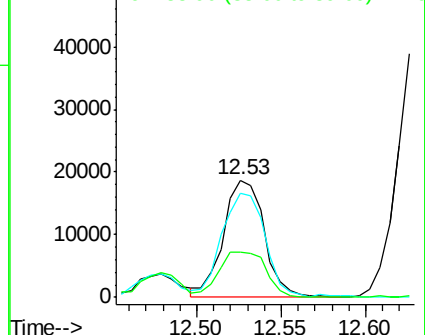
75 100

53 94.1 75.0 112.6

89 44.5 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: 46.397 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063861.D

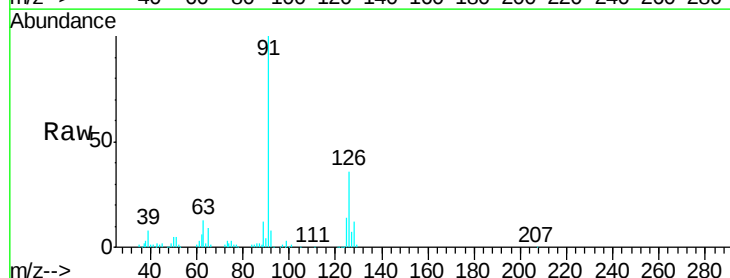
Acq: 02 Oct 2019 15:00

Tgt Ion: 91 Resp: 374367

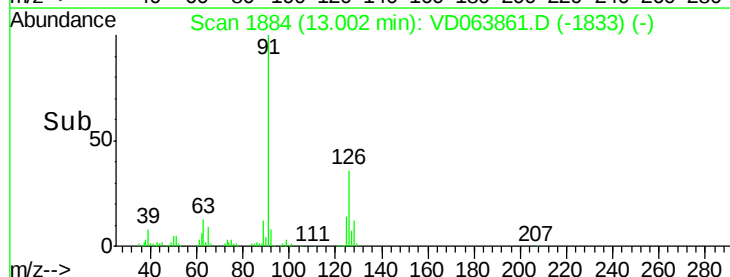
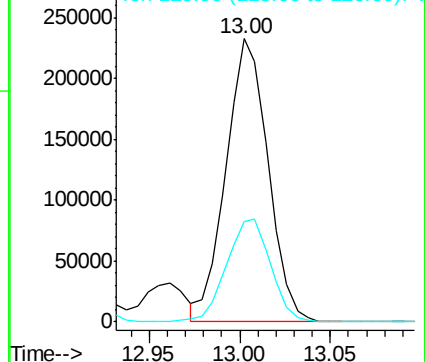
Ion Ratio Lower Upper

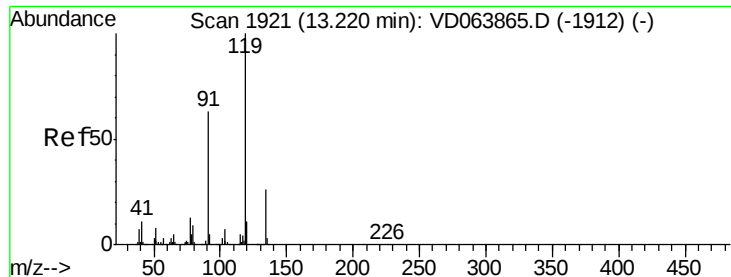
91 100

126 38.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

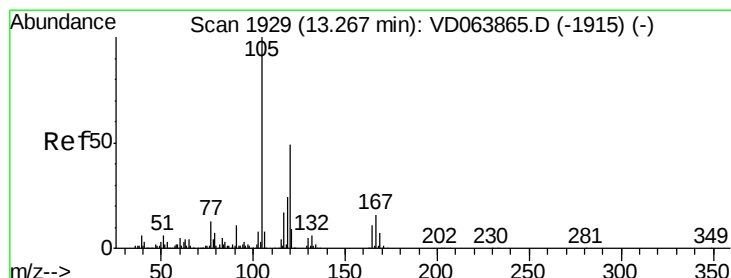
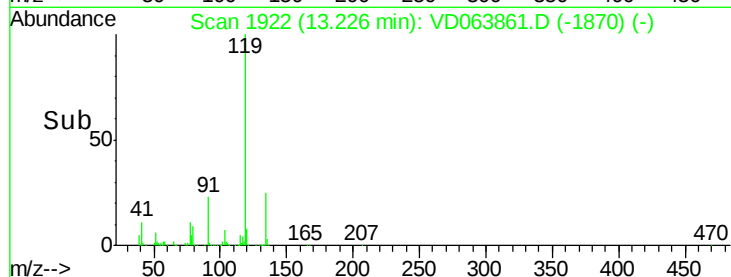
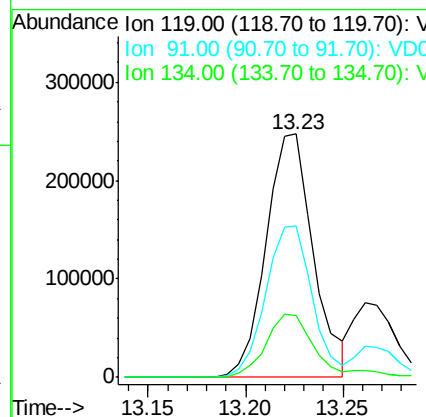
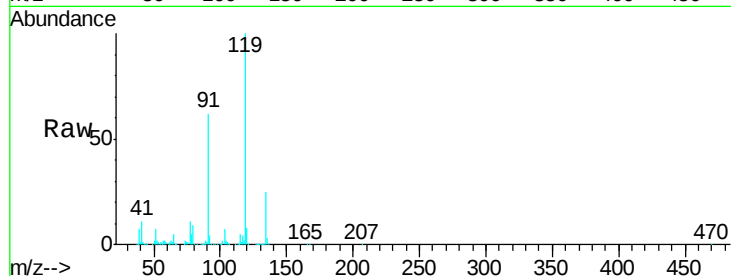




#83
 tert-Butylbenzene
 Concen: 47.868 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

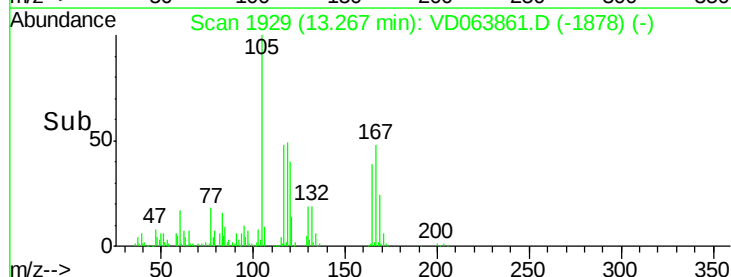
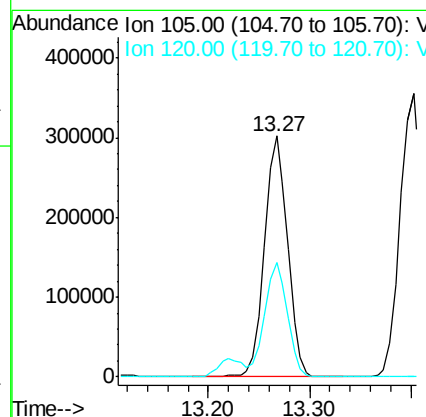
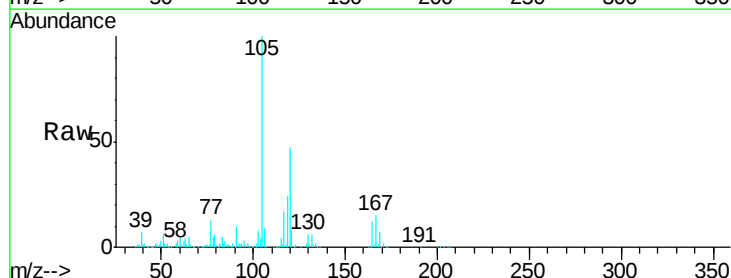
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

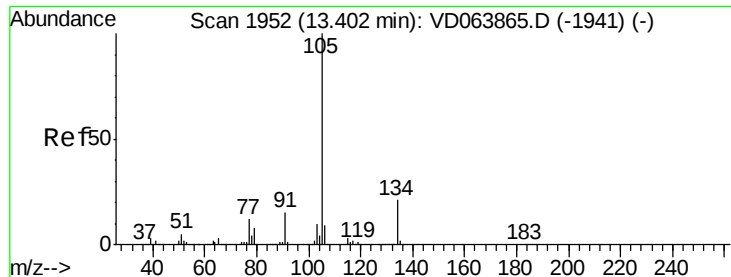
Tgt Ion:119 Resp: 415592
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.0 90.0
 134 27.6 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.273 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion:105 Resp: 475156
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.8 71.5

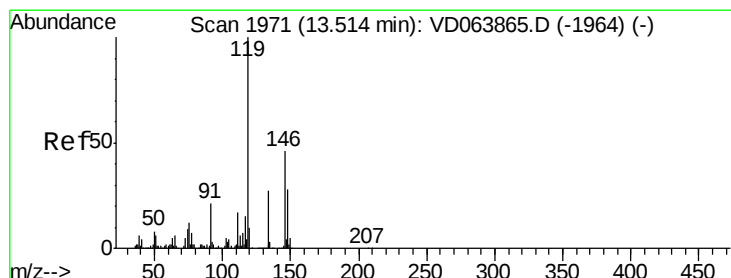
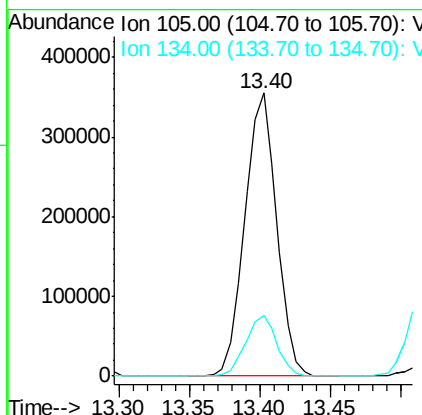
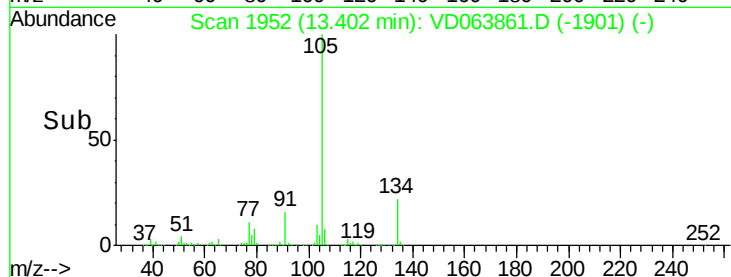
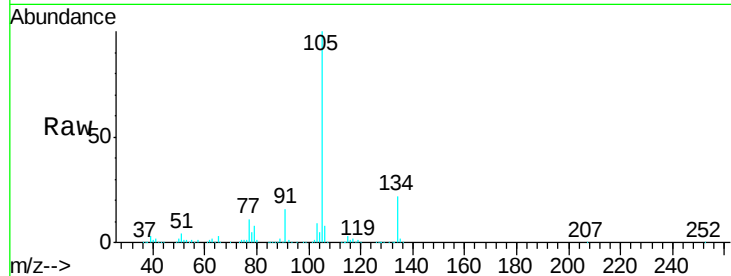




#85
 sec-Butylbenzene
 Concen: 46.650 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

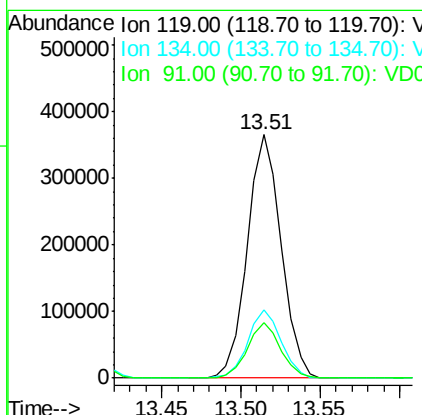
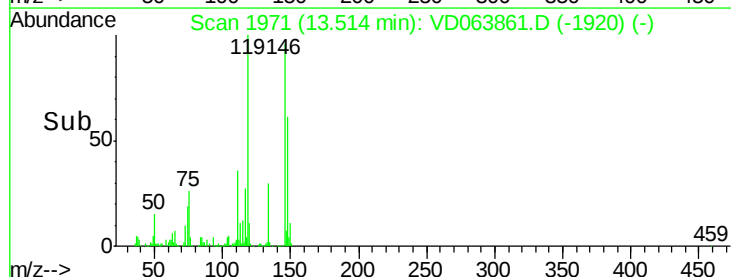
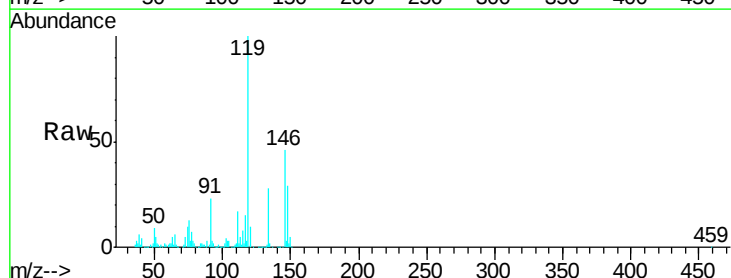
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

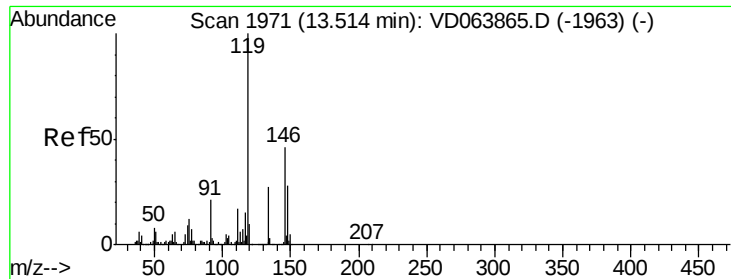
Tgt Ion:105 Resp: 561394
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 48.085 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion:119 Resp: 542063
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.9 41.6
 91 22.4 11.2 33.5

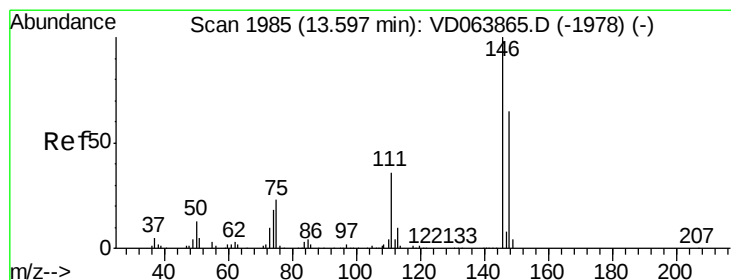
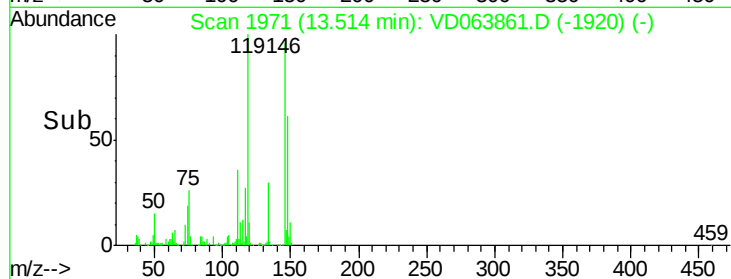
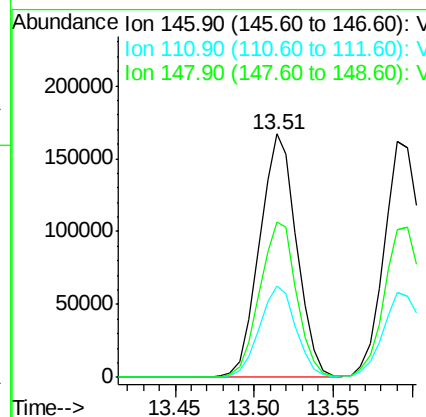
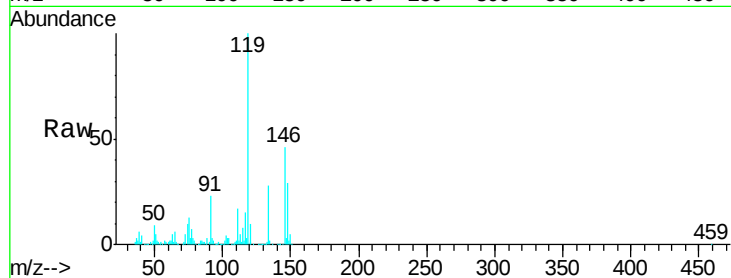




#87
 1,3-Dichlorobenzene
 Concen: 48.361 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

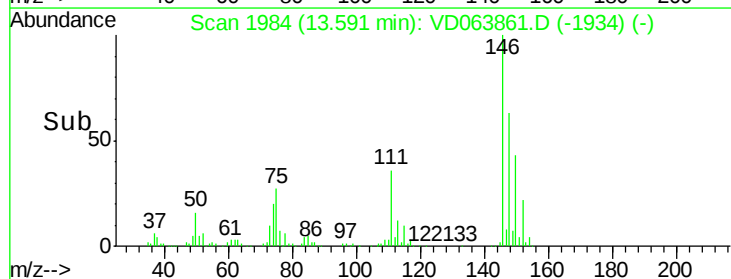
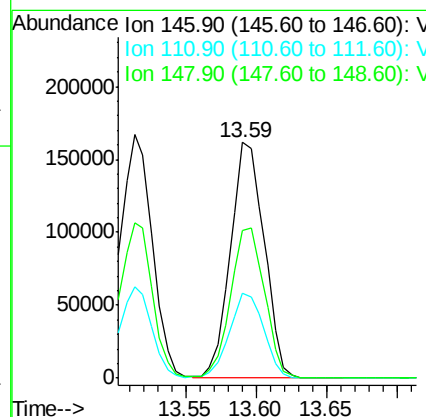
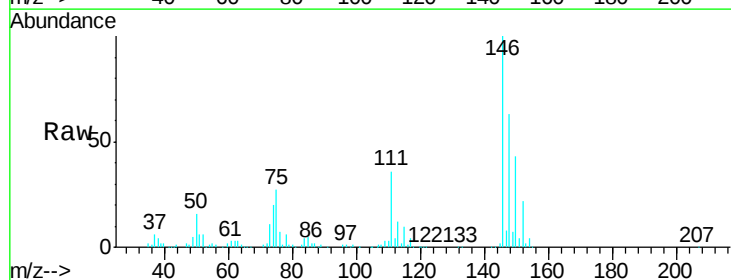
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

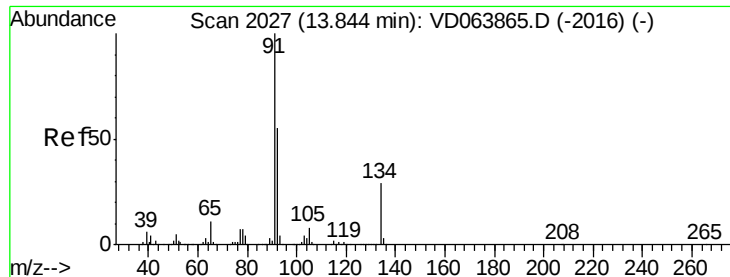
Tgt Ion:146 Resp: 272053
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.3 54.9
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.006 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion:146 Resp: 269534
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 56.0
 148 64.0 32.6 98.0

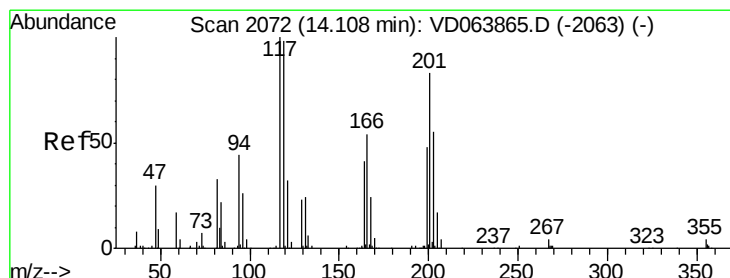
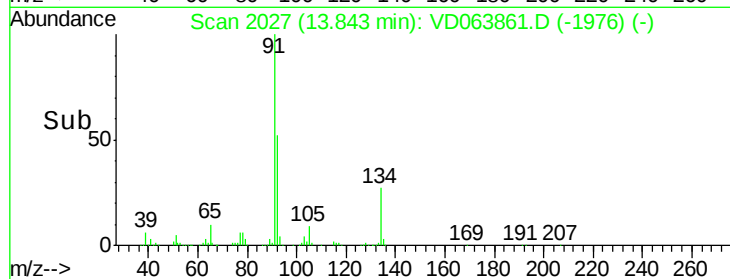
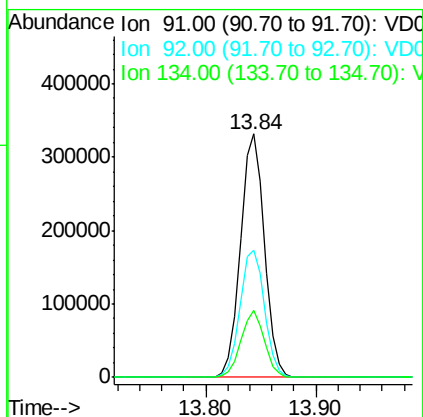
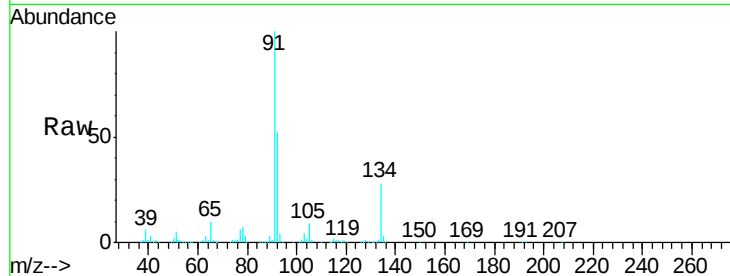




#89
n-Butylbenzene
Concen: 47.260 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

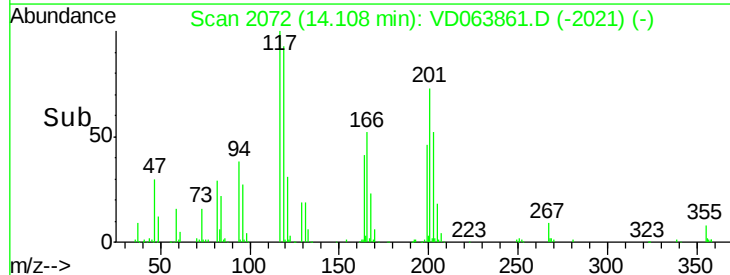
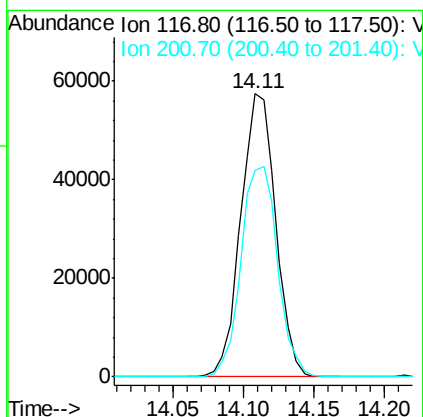
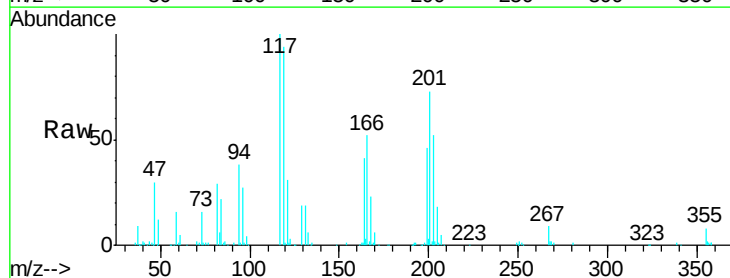
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

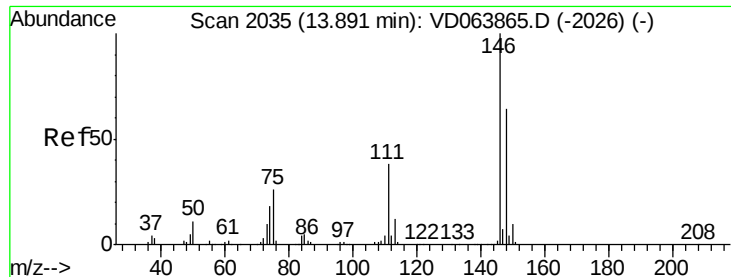
Tgt Ion: 91 Resp: 505386
Ion Ratio Lower Upper
91 100
92 53.4 26.8 80.3
134 27.0 14.4 43.0



#90
Hexachloroethane
Concen: 47.924 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion: 117 Resp: 99890
Ion Ratio Lower Upper
117 100
201 77.6 40.6 121.7

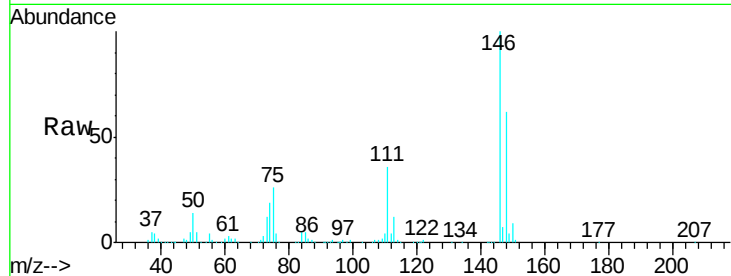




#91
 1,2-Dichlorobenzene
 Concen: 49.627 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.6
148	63.6	31.6	95.0

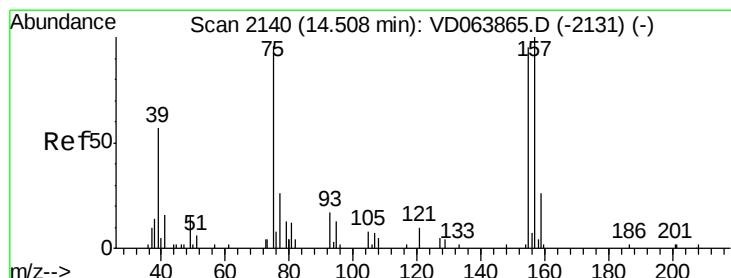
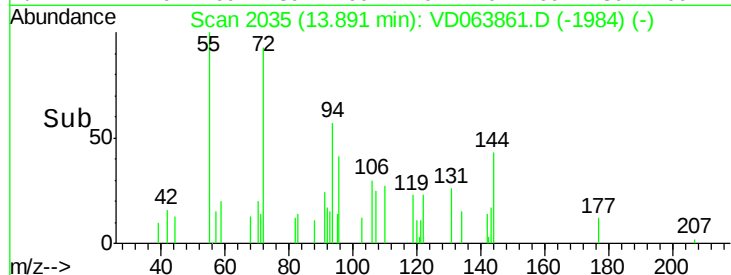
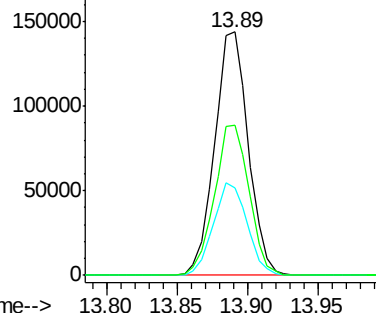


Abundance

Ion 145.90 (145.60 to 146.60): V

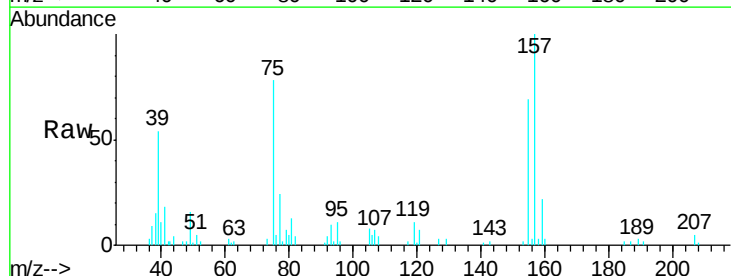
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.983 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	43.9	131.6
157	121.4	56.0	167.9

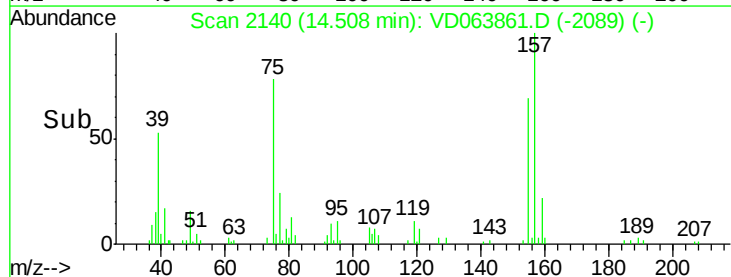
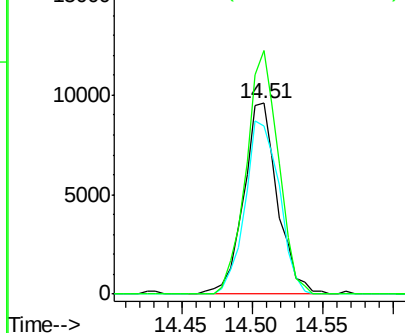


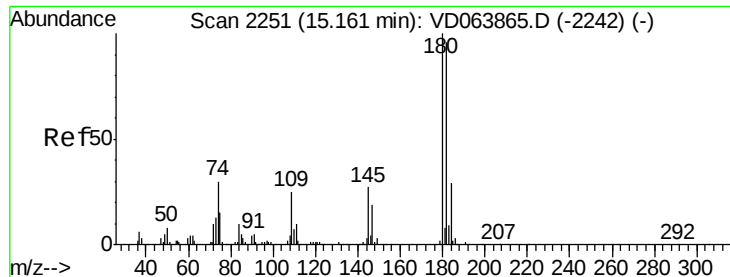
Abundance

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

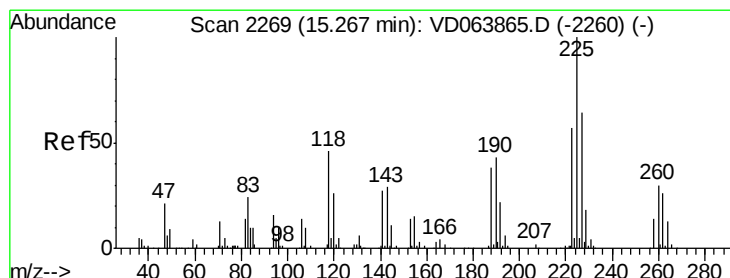
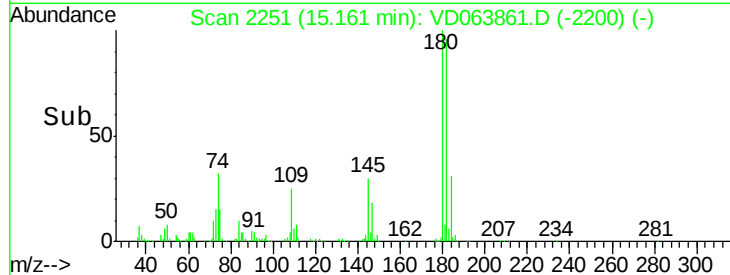
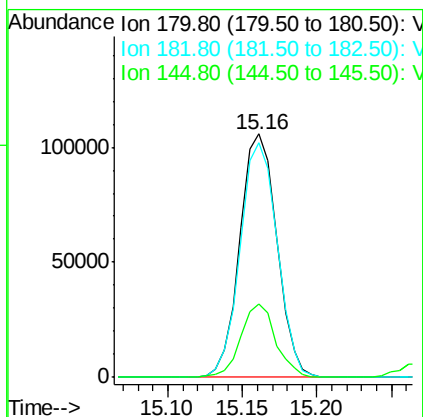
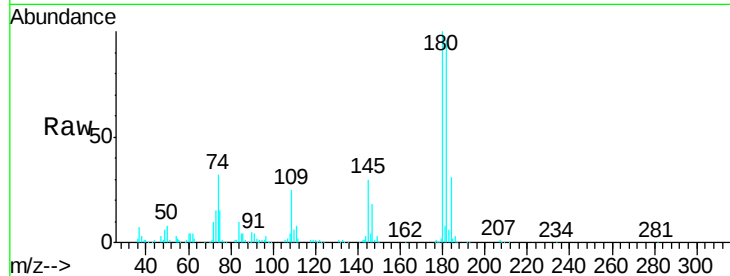




#93
 1,2,4-Trichlorobenzene
 Concen: 49.625 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

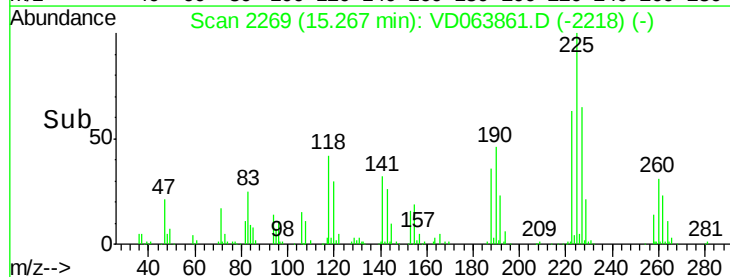
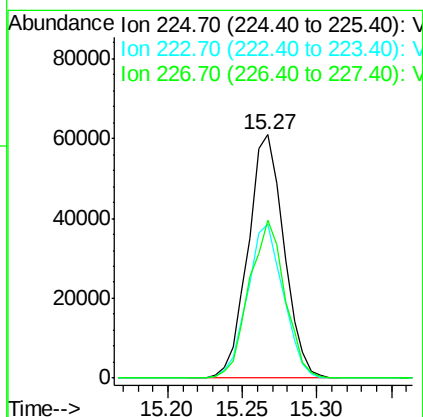
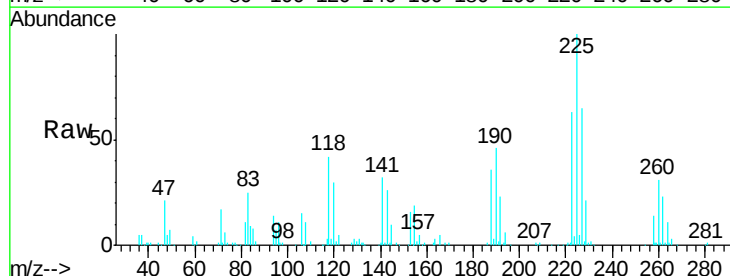
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 182112
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.4 142.3
 145 28.6 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 48.821 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063861.D
 Acq: 02 Oct 2019 15:00

Tgt Ion:225 Resp: 101387
 Ion Ratio Lower Upper
 225 100
 223 63.3 29.5 88.6
 227 64.8 30.8 92.4

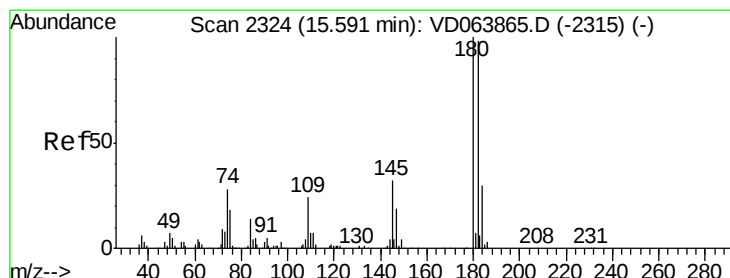
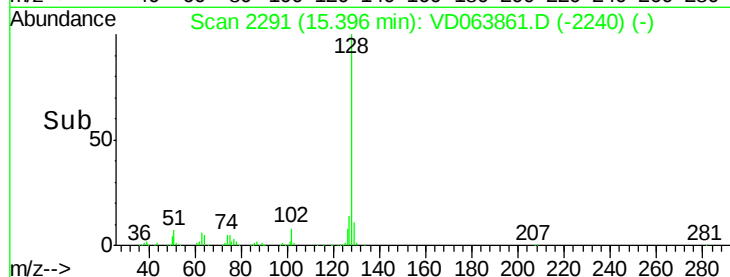
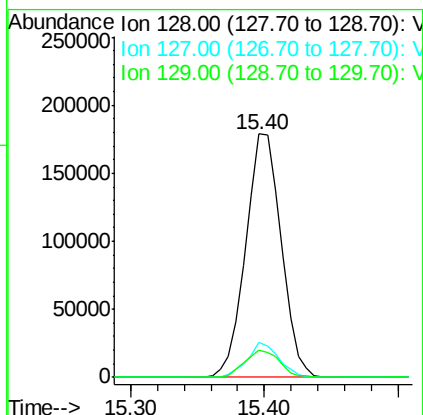
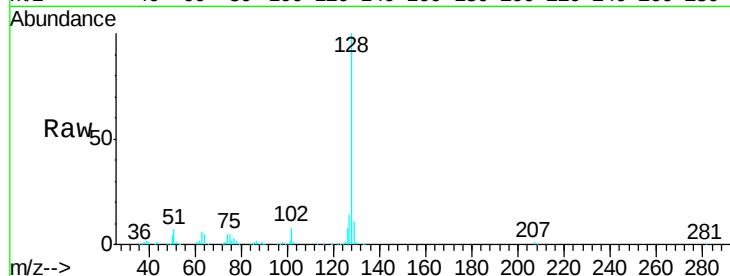




#95
Naphthalene
Concen: 49.647 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 328230
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.221 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063861.D
Acq: 02 Oct 2019 15:00

Tgt Ion:180 Resp: 160247
Ion Ratio Lower Upper
180 100
182 96.8 47.0 141.0
145 30.7 15.3 45.9

