

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059960.D
 Acq On : 5 Sep 2018 10:30
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 05 14:46:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1359139	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1848823	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1568059	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	862904	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	547571	47.80	ug/l	-0.03
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	6.30	113	715310	49.35	ug/l	-0.03
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	9.44	98	1945147	48.35	ug/l	-0.02
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.42	95	784614	48.02	ug/l	-0.01
Spiked Amount			Recovery	=	96.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	511599	42.11	ug/l	99
3) Chloromethane	1.74	50	453641	41.22	ug/l	99
4) Vinyl Chloride	1.84	62	380170	44.05	ug/l	97
5) Bromomethane	2.13	94	53113	35.65	ug/l	95
6) Chloroethane	2.24	64	114083	38.63	ug/l	95
7) Trichlorofluoromethane	2.48	101	473171	47.39	ug/l	99
8) Diethyl Ether	2.81	74	114595	51.16	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.06	101	318597	52.11	ug/l	98
10) Methyl Iodide	3.22	142	287839	44.59	ug/l	99
11) Tert butyl alcohol	3.95	59	217428	248.75	ug/l	99
12) 1,1-Dichloroethene	3.05	96	246837	51.86	ug/l	91
13) Acrolein	2.96	56	74413	196.28	ug/l	95
14) Allyl chloride	3.50	41	525464	48.80	ug/l	95
15) Acrylonitrile	4.06	53	867993	265.18	ug/l	99
16) Acetone	3.14	43	685909	328.65	ug/l	97
17) Carbon Disulfide	3.29	76	650230	44.01	ug/l	100
18) Methyl Acetate	3.53	43	236173	54.21	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1381963	51.32	ug/l	98
20) Methylene Chloride	3.69	84	737550	53.18	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	646416	49.29	ug/l	100
22) Diisopropyl ether	4.83	45	2825650	51.45	ug/l	98
23) Vinyl Acetate	4.78	43	7852422	255.78	ug/l	98
24) 1,1-Dichloroethane	4.73	63	1221291	51.48	ug/l	100
25) 2-Butanone	5.60	43	1858379	300.65	ug/l	96
26) 2,2-Dichloropropane	5.56	77	987849	49.81	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	745463	51.92	ug/l	97
28) Bromochloromethane	5.91	49	566142	49.79	ug/l	90
29) Tetrahydrofuran	5.94	42	780841	265.35	ug/l	98
30) Chloroform	6.08	83	1298103	53.84	ug/l	96
31) Cyclohexane	6.35	56	980407	44.95	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	1013693	49.54	ug/l	98
36) 1,1-Dichloropropene	6.50	75	881207	52.58	ug/l	97
37) Ethyl Acetate	5.68	43	672453	51.56	ug/l	99
38) Carbon Tetrachloride	6.48	117	825442	48.80	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059960.D
 Acq On : 5 Sep 2018 10:30
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 05 14:46:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	929191	51.32	µg/l	96
40) Benzene	6.77	78	2390067	54.84	µg/l	100
41) Methacrylonitrile	5.93	41	792654	120.66	µg/l #	82
42) 1,2-Dichloroethane	6.87	62	740213	52.91	µg/l	99
43) Isopropyl Acetate	8.33	43	908767	53.56	µg/l #	100
44) Trichloroethene	7.72	130	686628	53.51	µg/l	97
45) 1,2-Dichloropropane	8.08	63	628513	51.60	µg/l	97
46) Dibromomethane	8.20	93	419095	53.51	µg/l	96
47) Bromodichloromethane	8.47	83	933909	52.67	µg/l	99
48) Methyl methacrylate	8.23	41	513302	51.90	µg/l	99
49) 1,4-Dioxane	8.21	88	99431	1126.04	µg/l #	86
51) 4-Methyl-2-Pentanone	9.33	43	3563723	281.74	µg/l	100
52) Toluene	9.54	92	1469041	52.57	µg/l	99
53) t-1,3-Dichloropropene	9.90	75	882353	53.80	µg/l	100
54) cis-1,3-Dichloropropene	9.08	75	1007054	52.96	µg/l	98
55) 1,1,2-Trichloroethane	10.17	97	520911	51.00	µg/l	98
56) Ethyl methacrylate	10.02	69	633849	53.77	µg/l	96
57) 1,3-Dichloropropane	10.37	76	836652	56.59	µg/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1543816	272.99	µg/l	97
59) 2-Hexanone	10.48	43	2826737	302.98	µg/l	99
60) Dibromochloromethane	10.63	129	694000	54.05	µg/l	100
61) 1,2-Dibromoethane	10.75	107	556943	53.92	µg/l	97
64) Tetrachloroethene	10.24	164	623773	51.45	µg/l	99
65) Chlorobenzene	11.30	112	1652654	53.04	µg/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	597357	52.47	µg/l	99
67) Ethyl Benzene	11.42	91	2688886	51.29	µg/l	100
68) m/p-Xylenes	11.55	106	1983451	103.92	µg/l	99
69) o-Xylene	11.93	106	993497	53.22	µg/l	98
70) Styrene	11.95	104	1693956	52.41	µg/l	99
71) Bromoform	12.11	173	515988	52.38	µg/l	99
73) Isopropylbenzene	12.27	105	2679099	48.64	µg/l	98
74) N-amyl acetate	12.13	43	1129562	46.83	µg/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	666771	52.33	µg/l	99
76) 1,2,3-Trichloropropane	12.59	75	693306	51.69	µg/l	100
77) Bromobenzene	12.53	156	794742	52.04	µg/l	97
78) n-propylbenzene	12.63	91	3488665	50.02	µg/l	99
79) 2-Chlorotoluene	12.70	91	1926759	48.85	µg/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	2115406	48.30	µg/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	207796	49.81	µg/l	98
82) 4-Chlorotoluene	12.80	91	2130508	47.35	µg/l	99
83) tert-Butylbenzene	13.04	119	2506591	50.25	µg/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	2237361	49.02	µg/l	96
85) sec-Butylbenzene	13.22	105	2963914	50.52	µg/l	95
86) p-Isopropyltoluene	13.34	119	2311301	48.44	µg/l	99
87) 1,3-Dichlorobenzene	13.31	146	1407655	51.63	µg/l	99
88) 1,4-Dichlorobenzene	13.38	146	1406258	51.70	µg/l	99
89) n-Butylbenzene	13.64	91	2365776	52.54	µg/l	99
90) Hexachloroethane	13.85	117	587395	45.85	µg/l	95
91) 1,2-Dichlorobenzene	13.65	146	1208219	52.12	µg/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	96958	49.50	µg/l	93

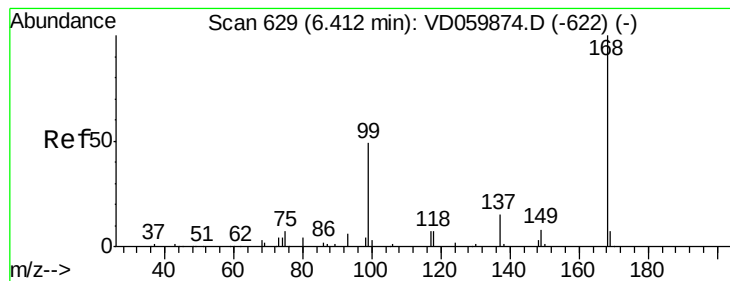
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090518\
Data File : VD059960.D
Acq On : 5 Sep 2018 10:30
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
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Quant Time: Sep 05 14:46:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1017439	51.26	ug/l	99
94) Hexachlorobutadiene	14.87	225	678446	52.14	ug/l	99
95) Naphthalene	14.96	128	1576018	51.95	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	888040	52.31	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

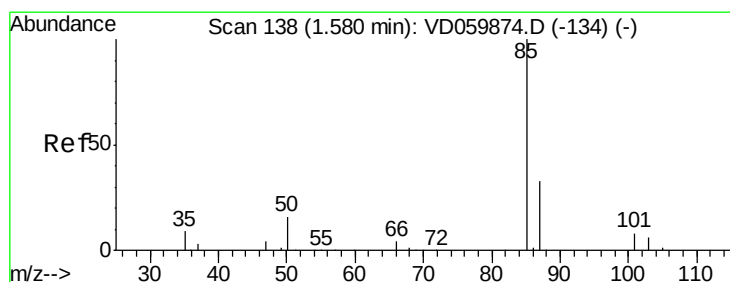
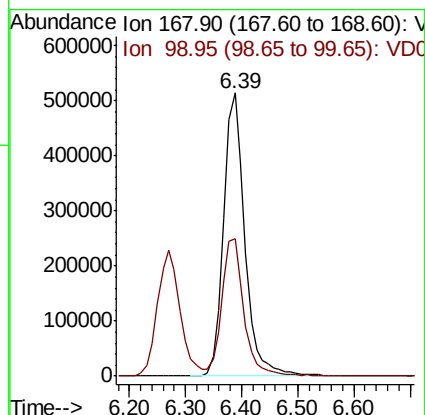
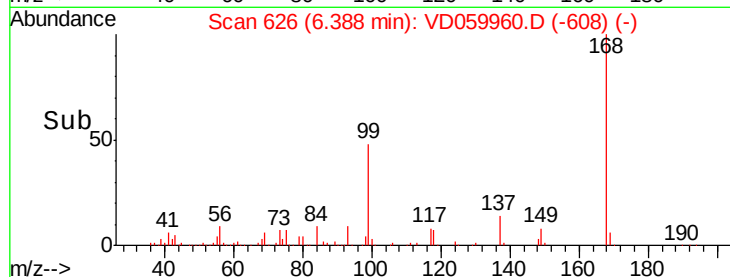
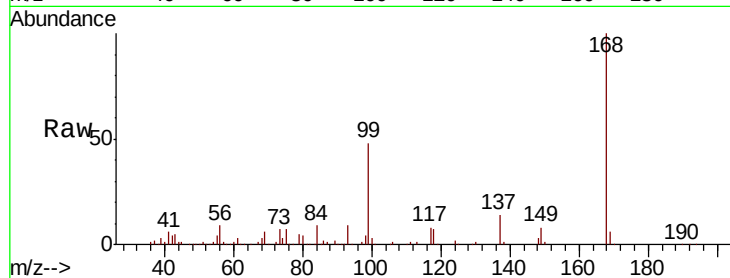
VSTDCCC050

Tot Ion:168 Resp: 1359139

Ion Ratio Lower Upper

168 100

99 48.5 42.2 63.2



#2

Dichlorodifluoromethane

Concen: 42.11 ug/l

RT: 1.58 min Scan# 137

Delta R.T. -0.00 min

Lab File: VD059960.D

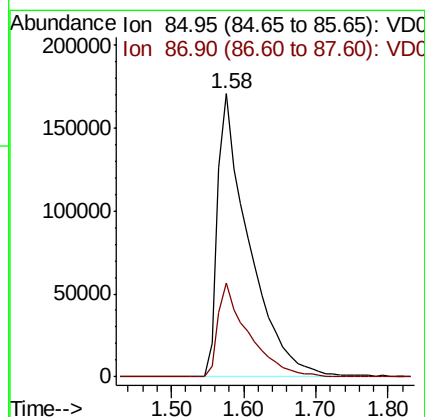
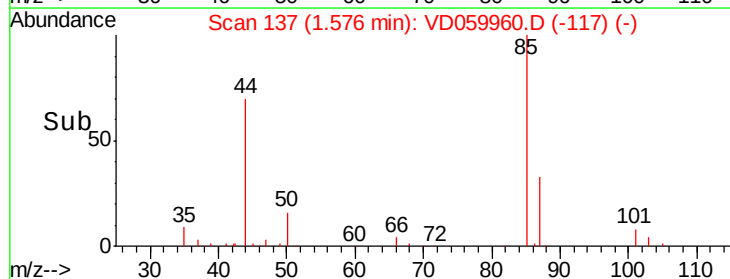
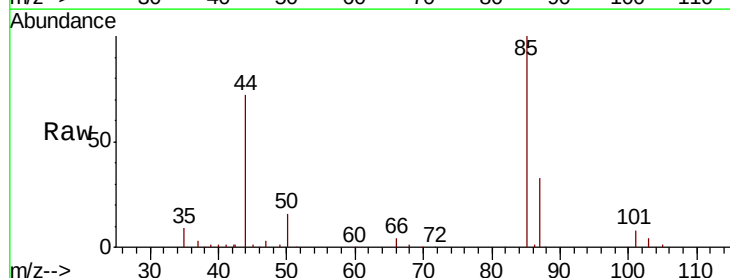
Acq: 5 Sep 2018 10:30

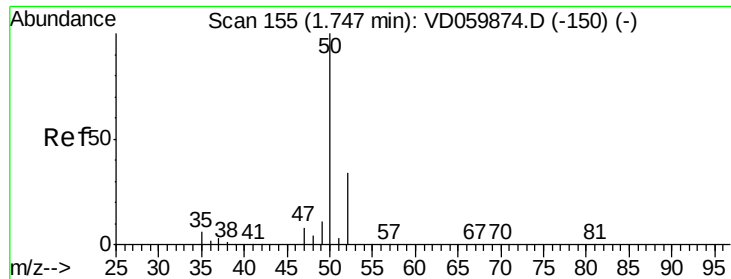
Tgt Ion: 85 Resp: 511599

Ion Ratio Lower Upper

85 100

87 33.1 16.8 50.3





#3

Chloromethane

Concen: 41.22 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.00 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

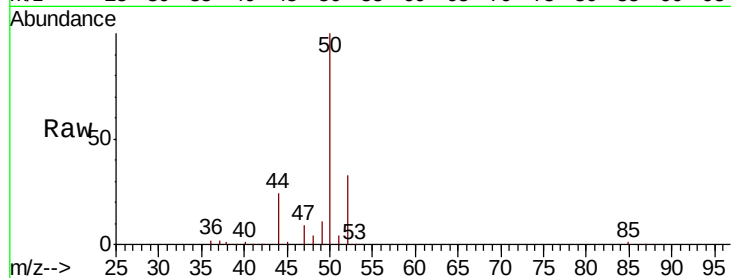
VSTDCCC050

Tot Ion: 50 Resp: 453641

Ion Ratio Lower Upper

50 100

52 33.1 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

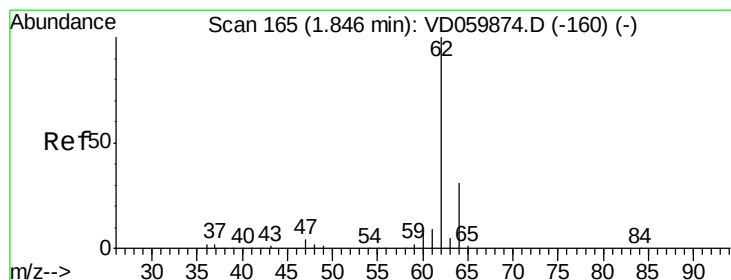
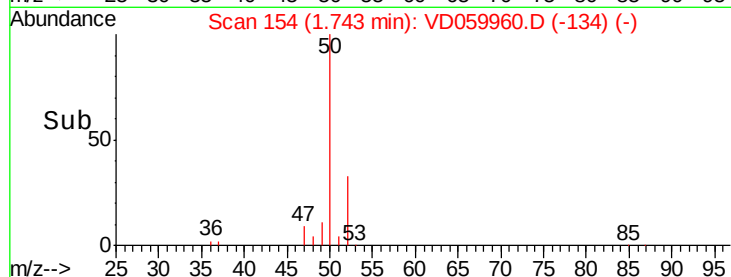
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 44.05 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD059960.D

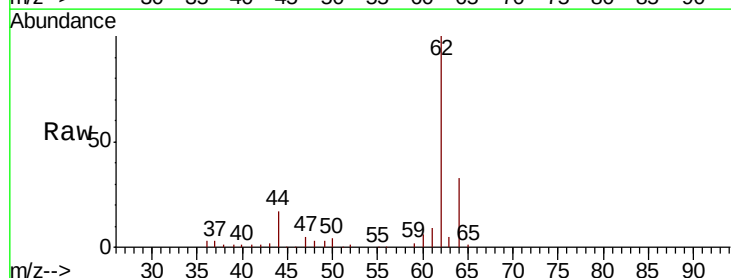
Acq: 5 Sep 2018 10:30

Tgt Ion: 62 Resp: 380170

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

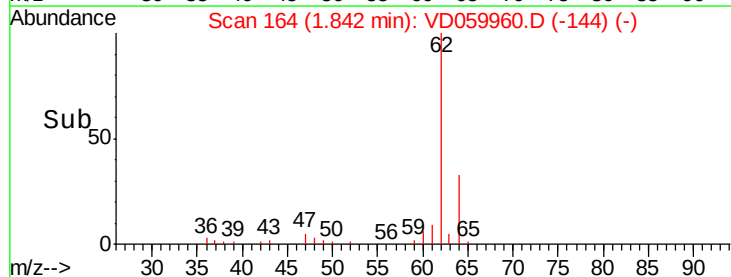
150000

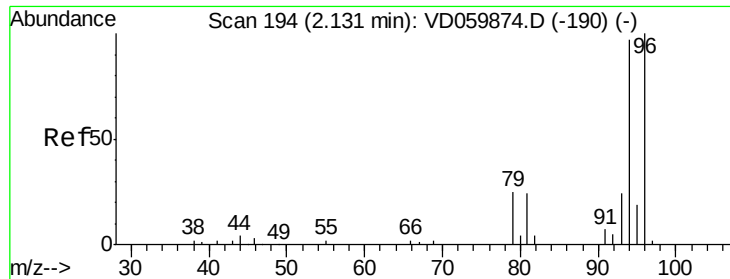
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 35.65 ug/l

RT: 2.13 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

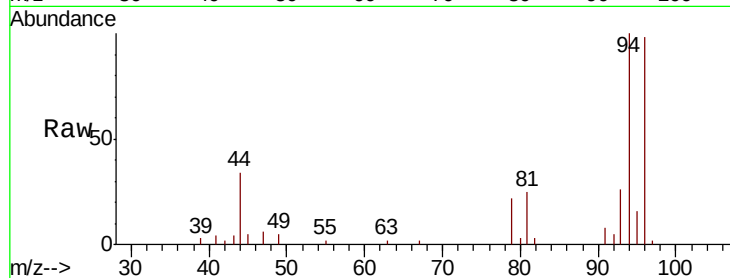
VSTDCCC050

Tot Ion: 94 Resp: 53113

Ion Ratio Lower Upper

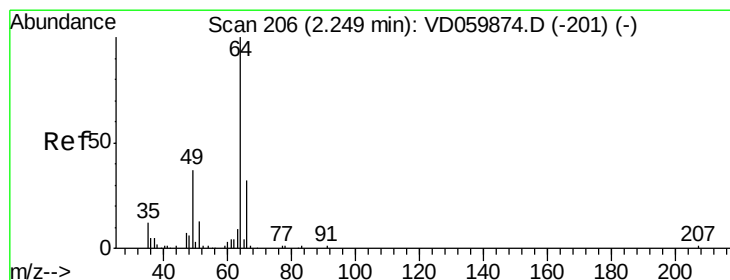
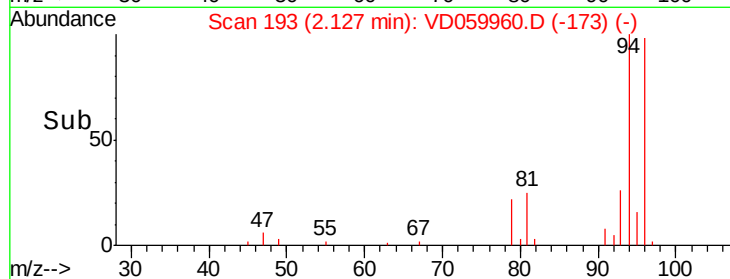
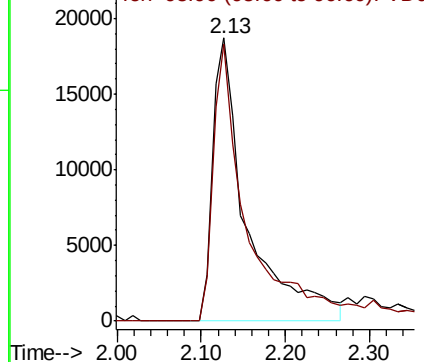
94 100

96 98.0 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 38.63 ug/l

RT: 2.24 min Scan# 204

Delta R.T. -0.01 min

Lab File: VD059960.D

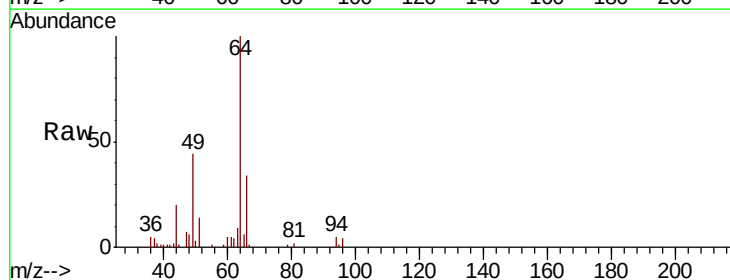
Acq: 5 Sep 2018 10:30

Tgt Ion: 64 Resp: 114083

Ion Ratio Lower Upper

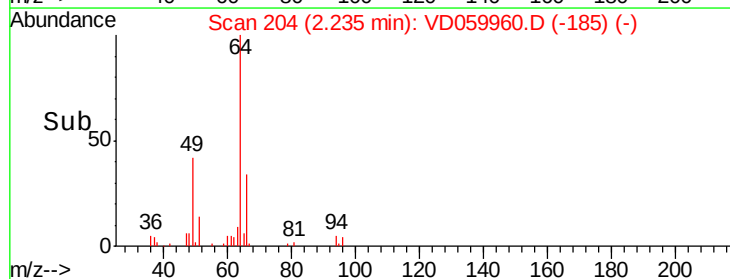
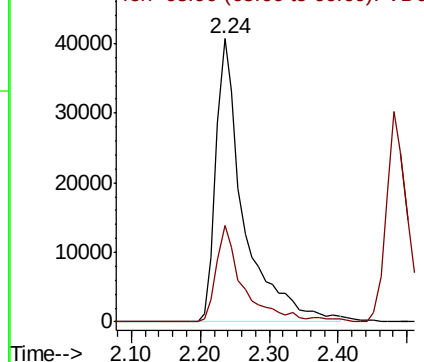
64 100

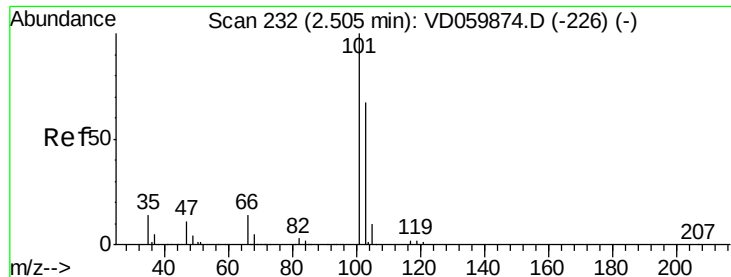
66 34.1 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 47.39 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

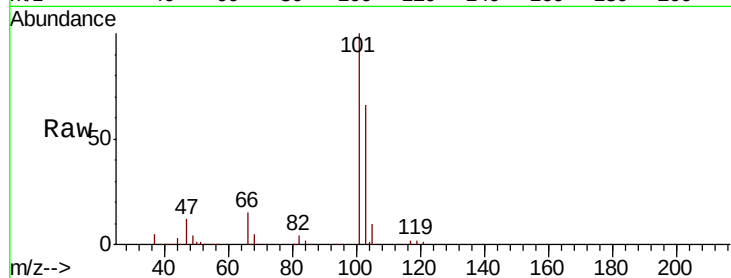
VSTDCCC050

Tot Ion:101 Resp: 473171

Ion Ratio Lower Upper

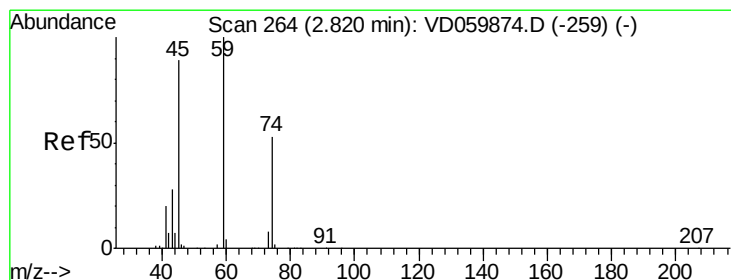
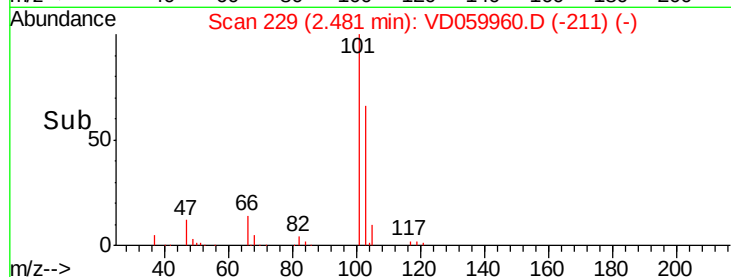
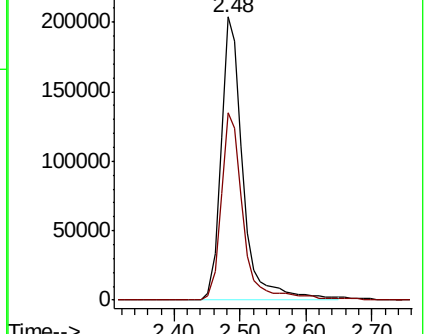
101 100

103 66.2 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 51.16 ug/l

RT: 2.81 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD059960.D

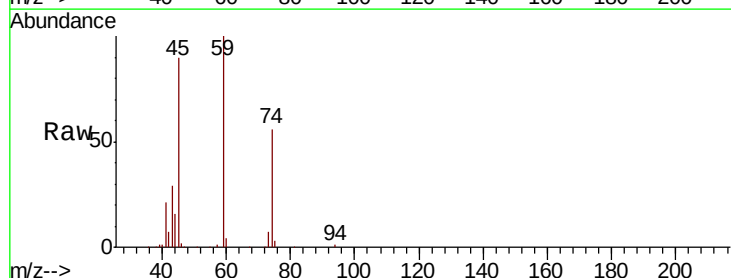
Acq: 5 Sep 2018 10:30

Tgt Ion: 74 Resp: 114595

Ion Ratio Lower Upper

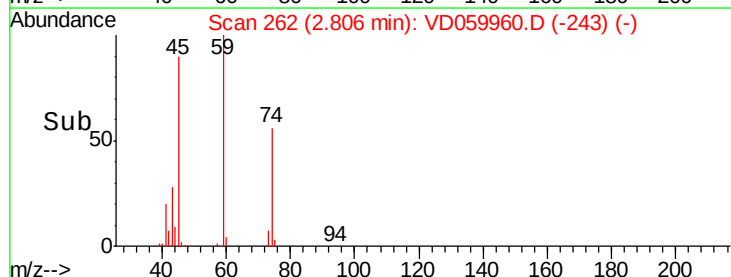
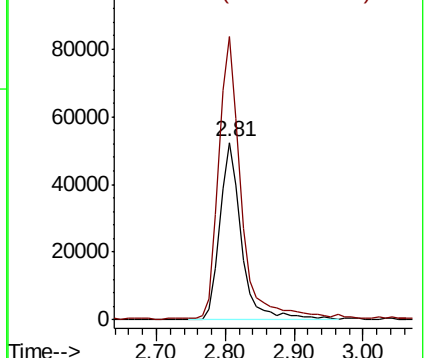
74 100

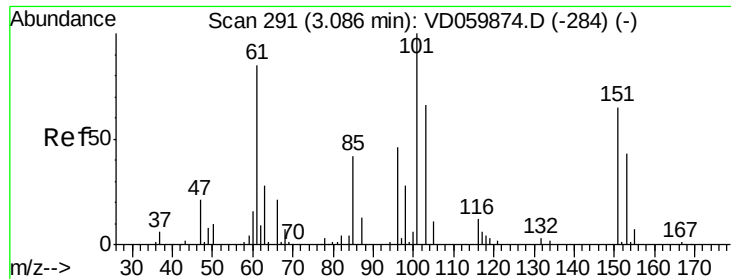
45 159.5 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.11 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

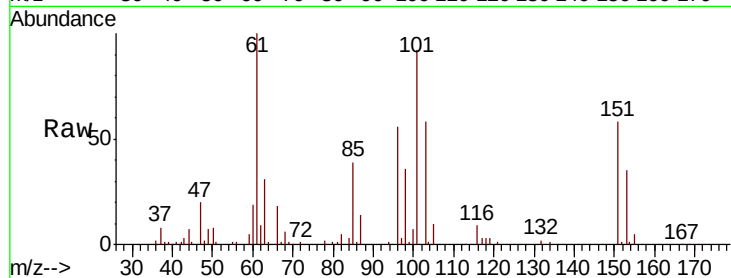
Tot Ion:101 Resp: 318597

Ion Ratio Lower Upper

101 100

85 42.6 33.6 50.4

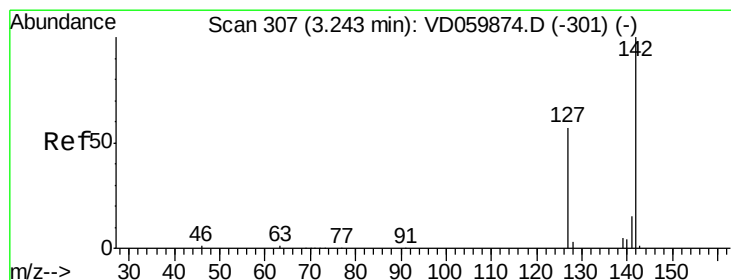
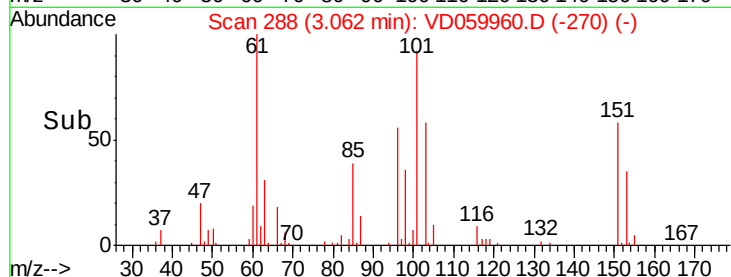
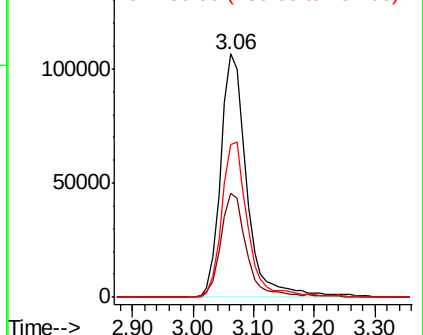
151 62.6 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.59 ug/l

RT: 3.22 min Scan# 304

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

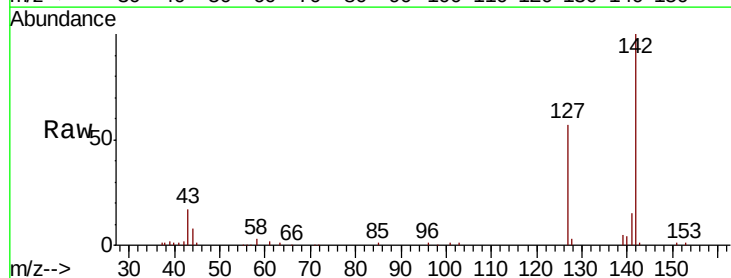
Tgt Ion:142 Resp: 287839

Ion Ratio Lower Upper

142 100

127 56.9 45.8 68.6

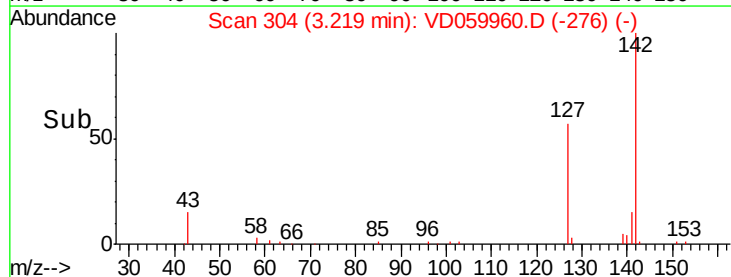
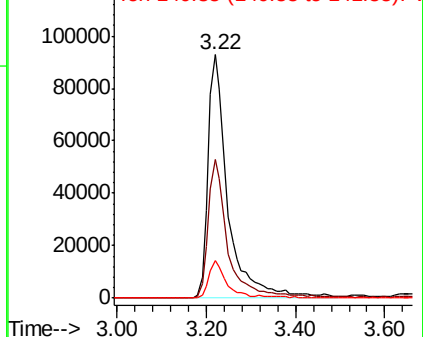
141 15.3 11.6 17.4

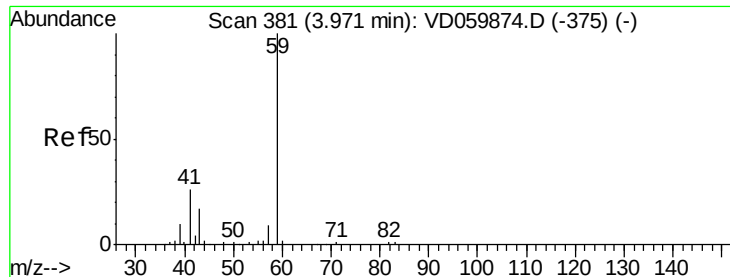


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

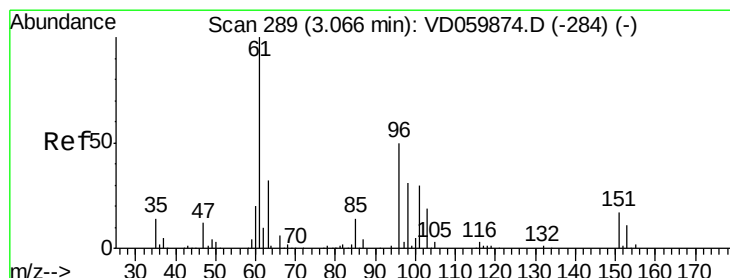
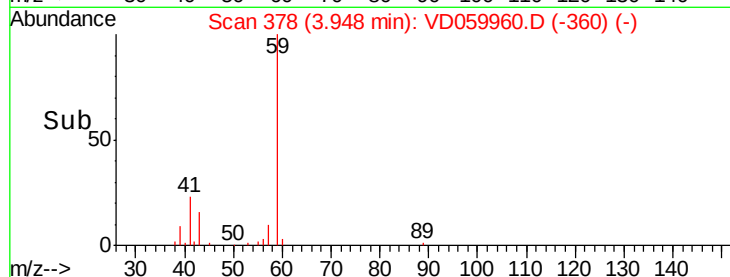
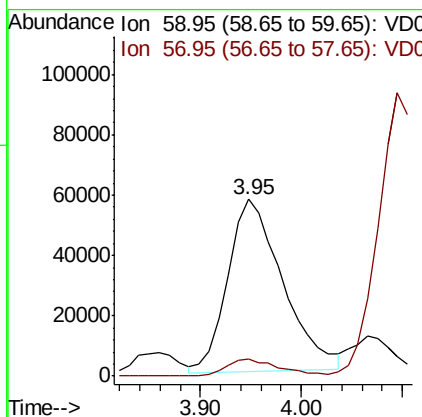
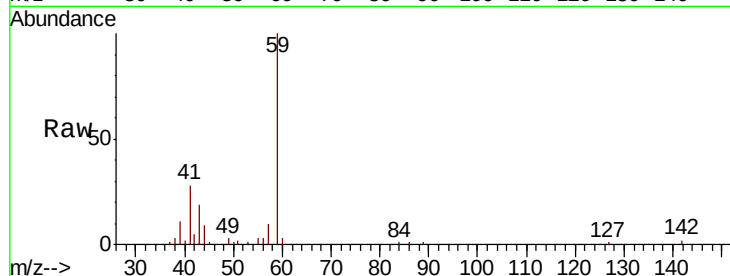




#11
Tert butyl alcohol
Concen: 248.75 ug/l
RT: 3.95 min Scan# 378
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

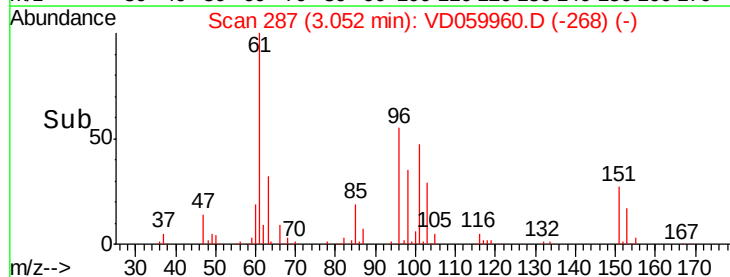
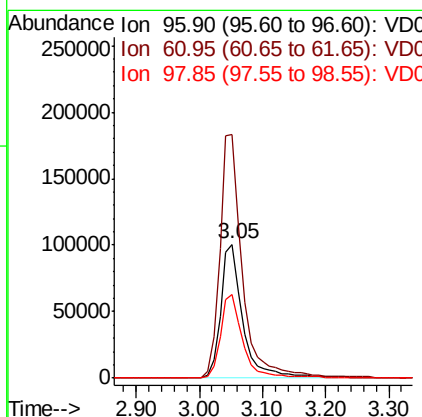
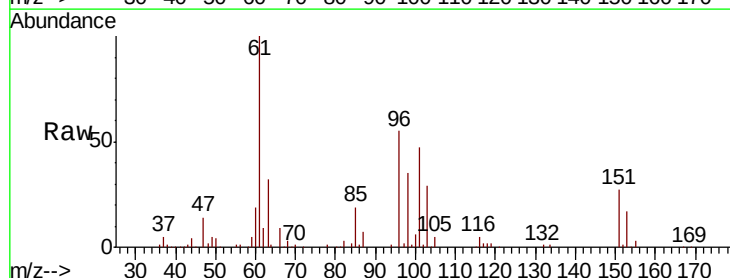
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

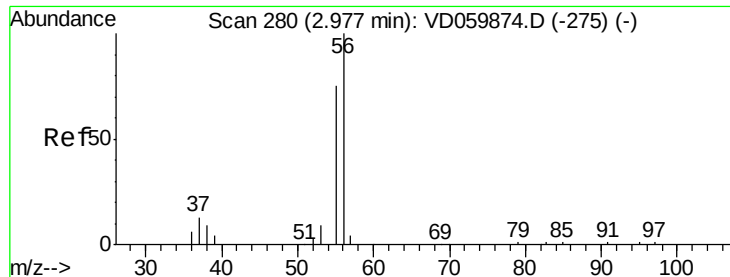
Tot Ion: 59 Resp: 217428
Ion Ratio Lower Upper
59 100
57 9.6 7.4 11.0



#12
1,1-Dichloroethene
Concen: 51.86 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion: 96 Resp: 246837
Ion Ratio Lower Upper
96 100
61 182.2 158.8 238.2
98 63.0 48.7 73.1





#13

Acrolein

Concen: 196.28 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.01 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

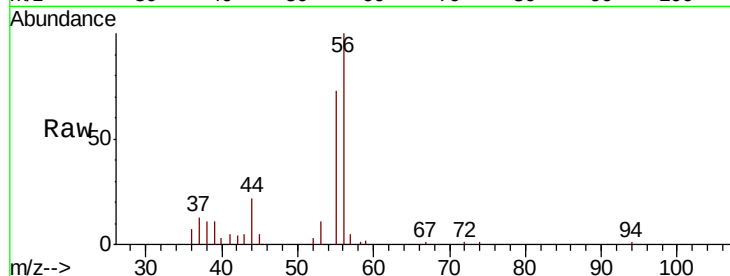
VSTDCCC050

Tot Ion: 56 Resp: 74413

Ion Ratio Lower Upper

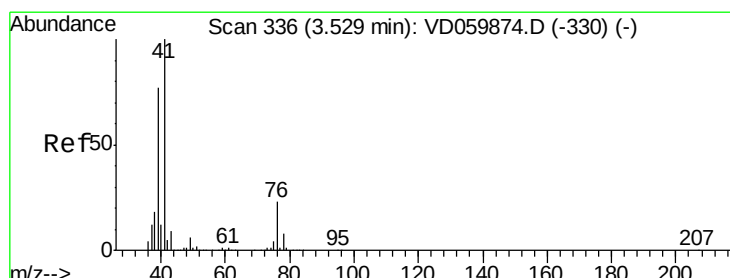
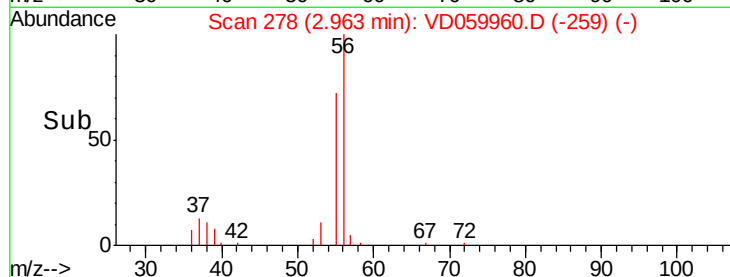
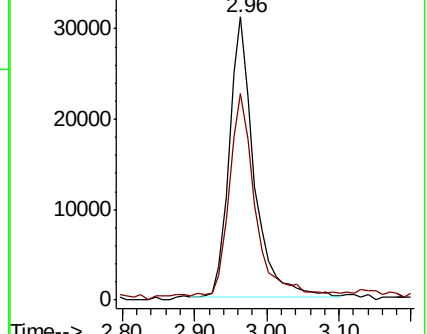
56 100

55 72.8 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.80 ug/l

RT: 3.50 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

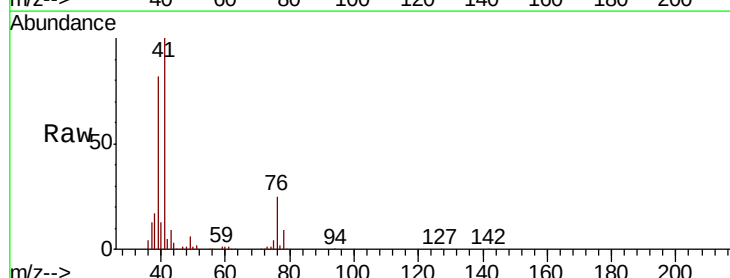
Tgt Ion: 41 Resp: 525464

Ion Ratio Lower Upper

41 100

39 82.3 61.8 92.6

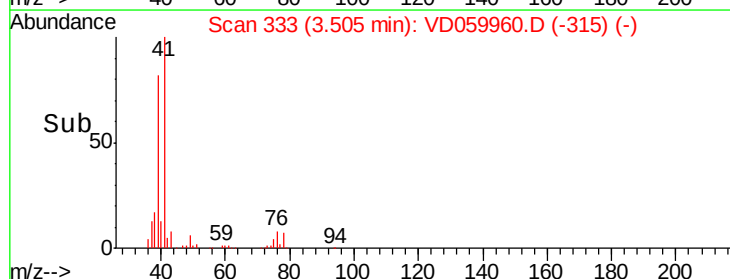
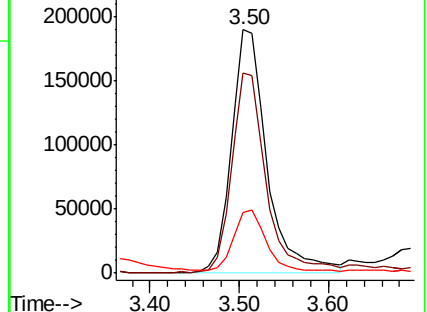
76 24.9 19.4 29.2

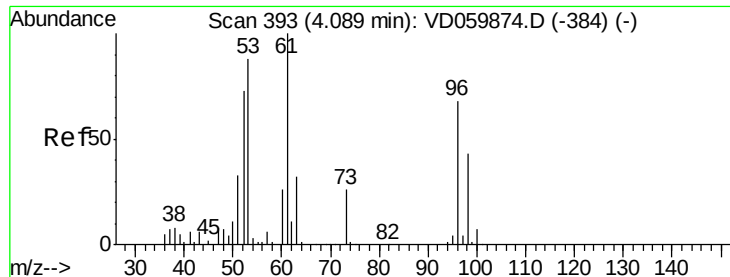


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 265.18 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

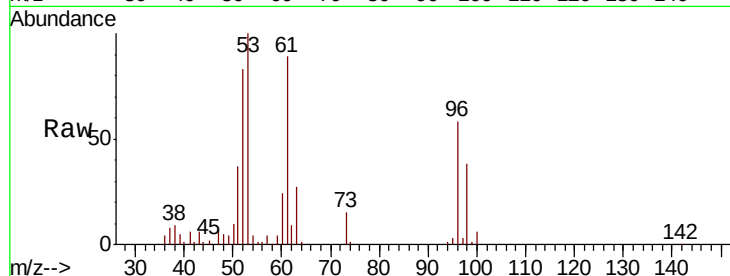
Tot Ion: 53 Resp: 867993

Ion Ratio Lower Upper

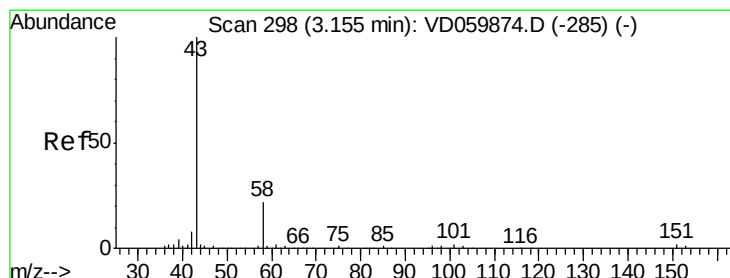
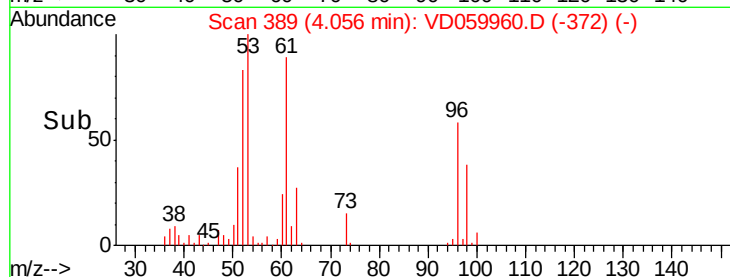
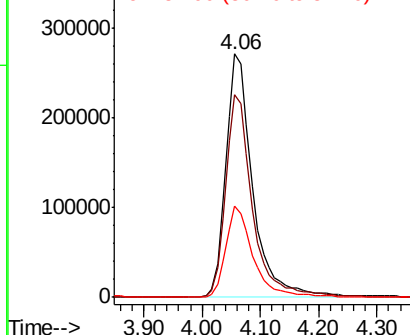
53 100

52 83.2 66.9 100.3

51 37.4 30.3 45.5



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: 328.65 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.01 min

Lab File: VD059960.D

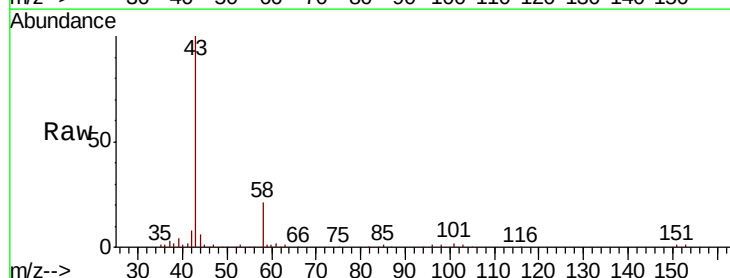
Acq: 5 Sep 2018 10:30

Tgt Ion: 43 Resp: 685909

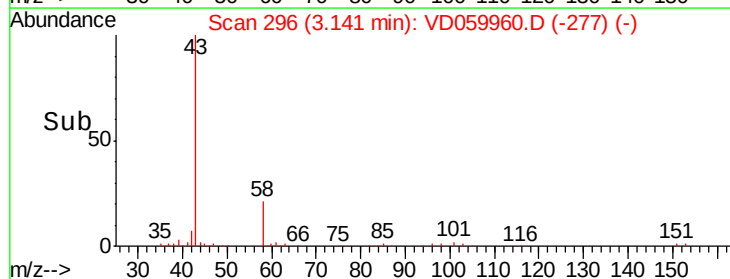
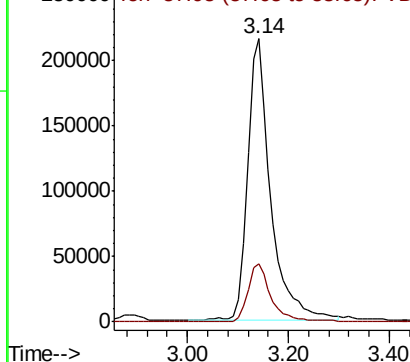
Ion Ratio Lower Upper

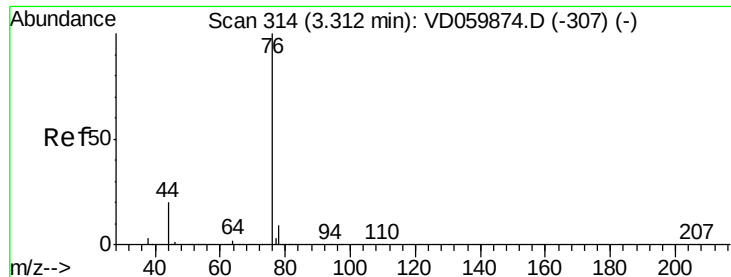
43 100

58 20.5 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 44.01 ug/l

RT: 3.29 min Scan# 311

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

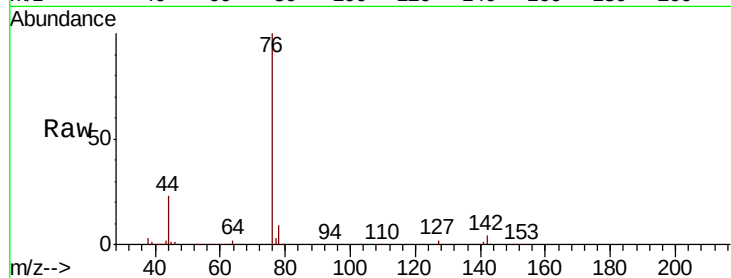
VSTDCCC050

Tot Ion: 76 Resp: 650230

Ion Ratio Lower Upper

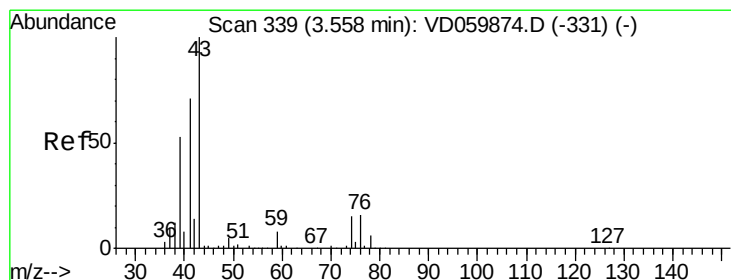
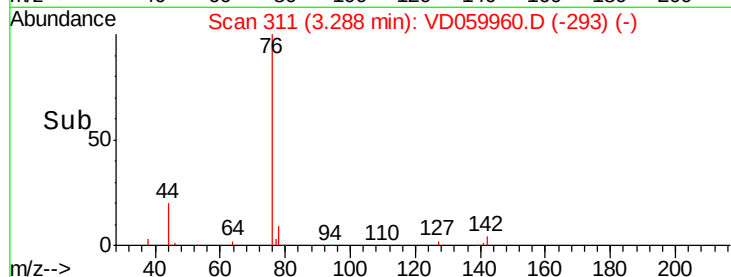
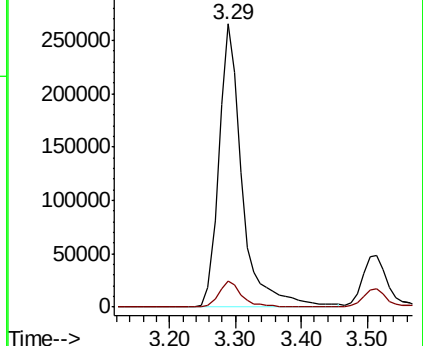
76 100

78 9.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 54.21 ug/l

RT: 3.53 min Scan# 336

Delta R.T. -0.02 min

Lab File: VD059960.D

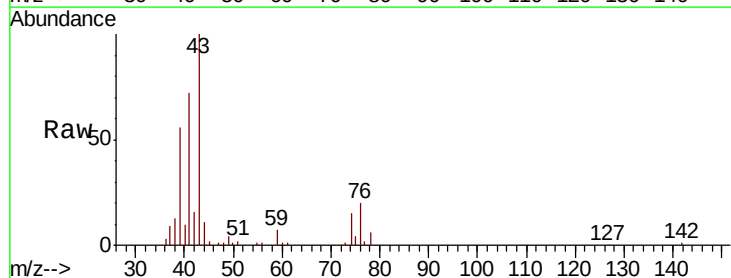
Acq: 5 Sep 2018 10:30

Tgt Ion: 43 Resp: 236173

Ion Ratio Lower Upper

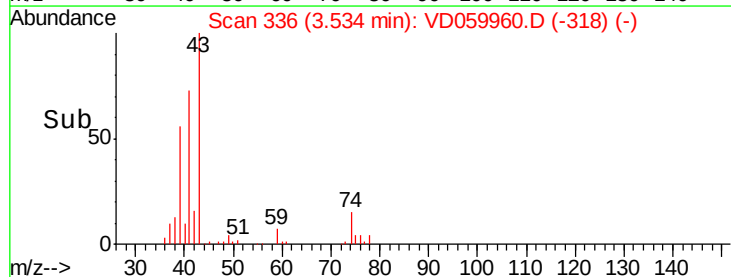
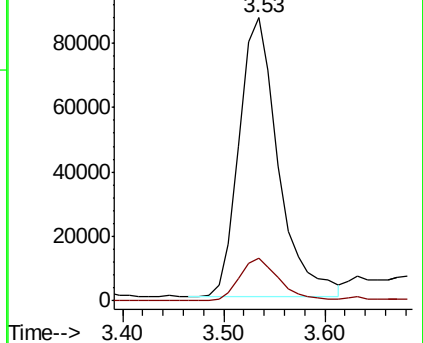
43 100

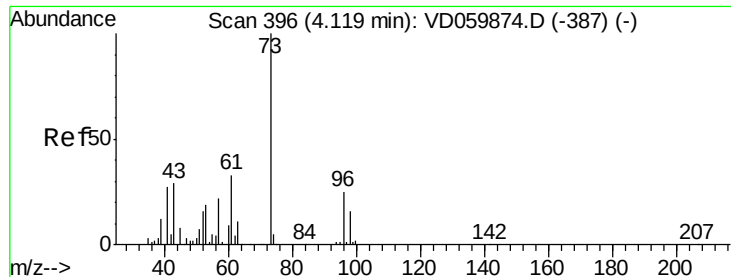
74 15.0 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 51.32 ug/l

RT: 4.10 min Scan# 393

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

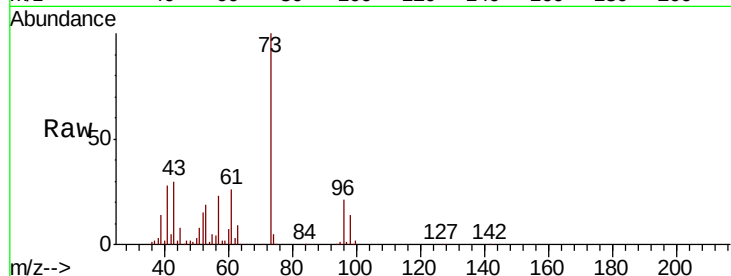
VSTDCCC050

Tot Ion: 73 Resp: 1381963

Ion Ratio Lower Upper

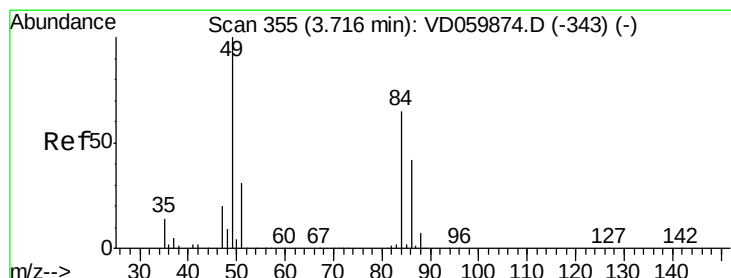
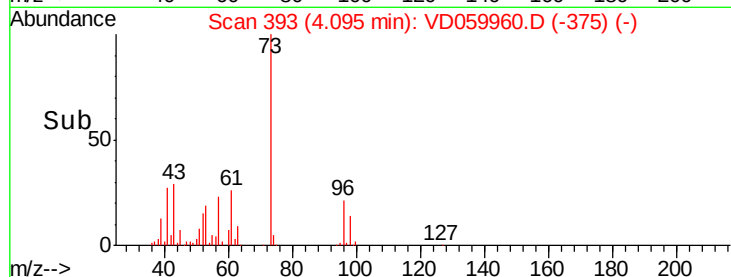
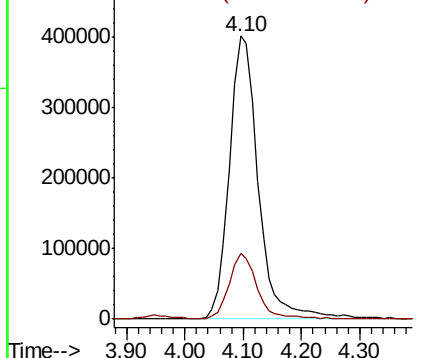
73 100

57 23.4 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 53.18 ug/l

RT: 3.69 min Scan# 352

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Tgt Ion: 84 Resp: 737550

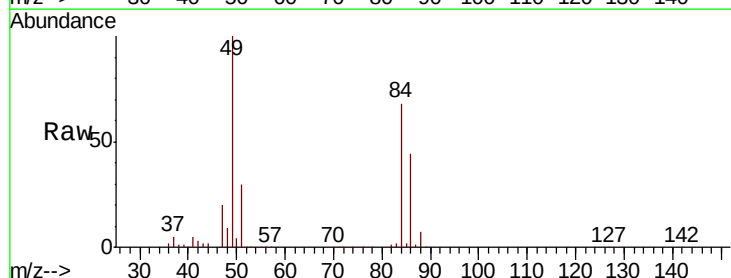
Ion Ratio Lower Upper

84 100

49 147.1 122.6 183.8

51 44.0 38.4 57.6

86 64.5 51.5 77.3

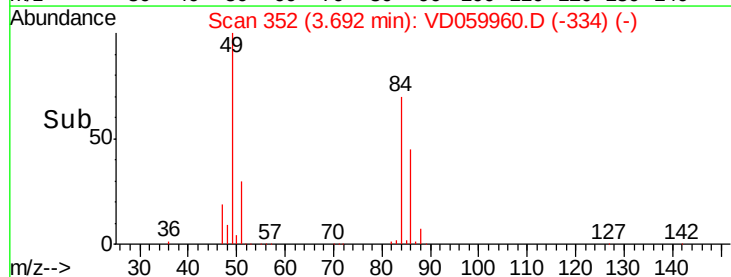
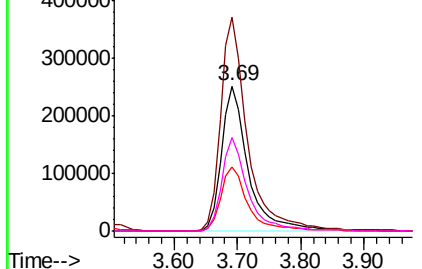


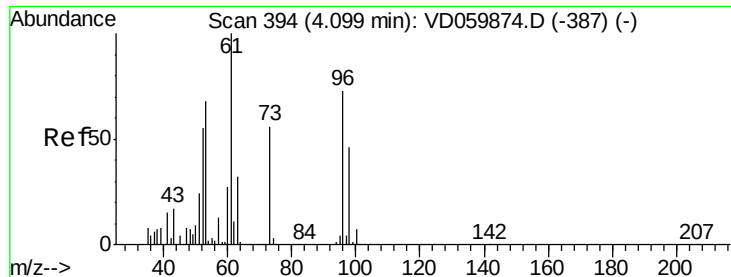
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

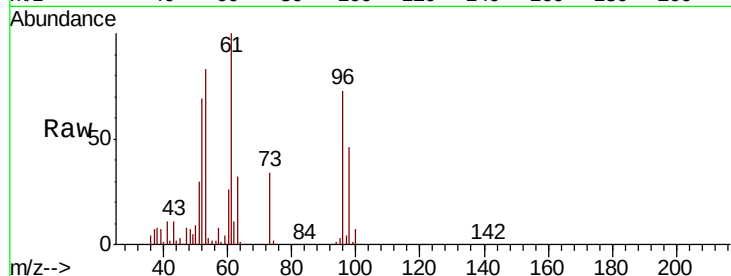




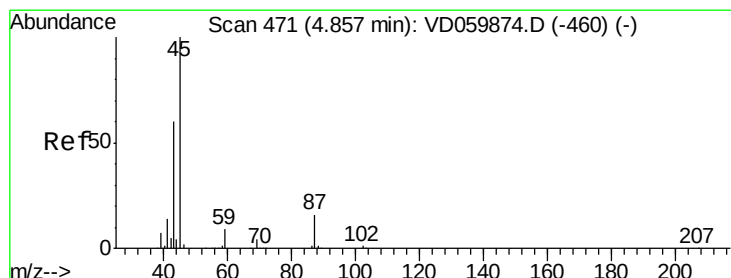
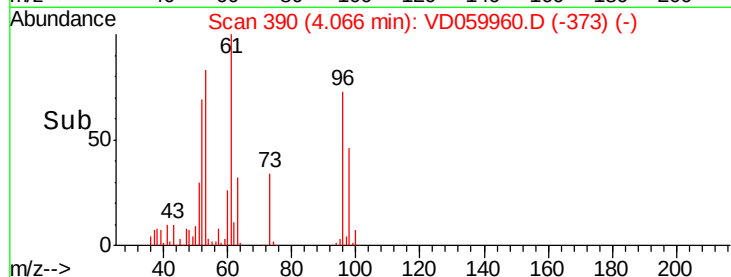
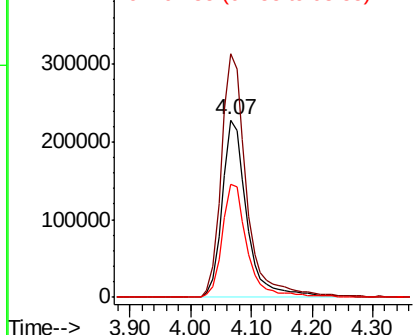
#21
trans-1,2-Dichloroethene
Concen: 49.29 ug/l
RT: 4.07 min Scan# 390
Delta R.T. -0.03 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 646416
Ion Ratio Lower Upper
96 100
61 137.1 110.2 165.4
98 63.4 50.9 76.3

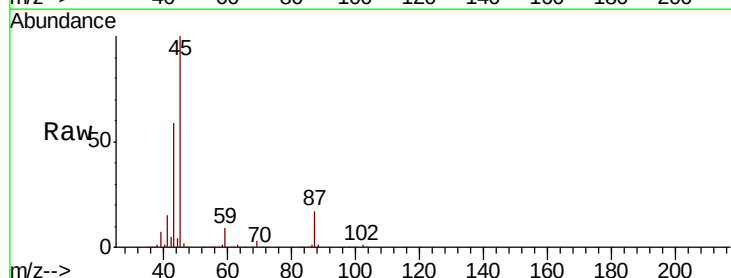


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

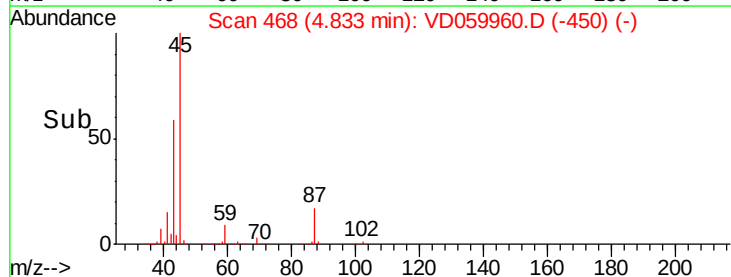
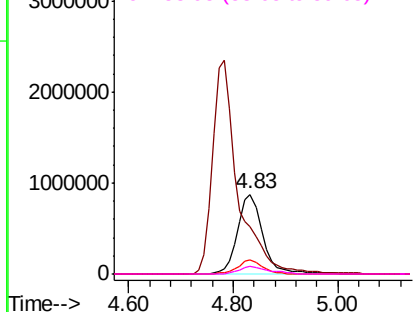


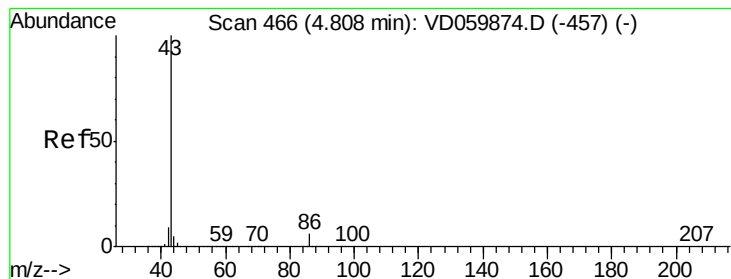
#22
Diisopropyl ether
Concen: 51.45 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion: 45 Resp: 2825650
Ion Ratio Lower Upper
45 100
43 59.1 48.6 72.8
87 17.2 13.3 19.9
59 8.9 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 255.78 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

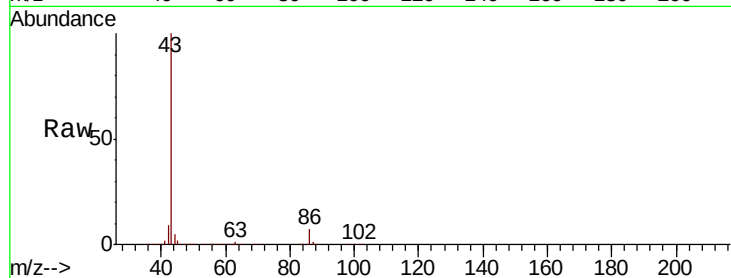
VSTDCCC050

Tot Ion: 43 Resp: 7852422

Ion Ratio Lower Upper

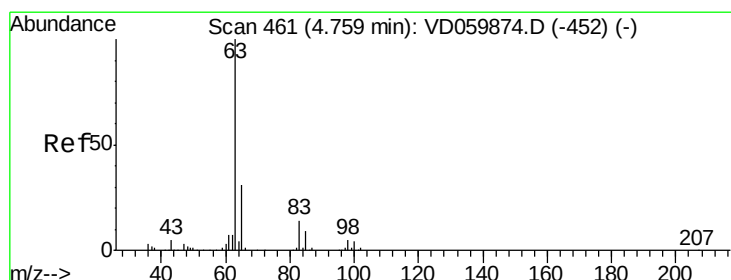
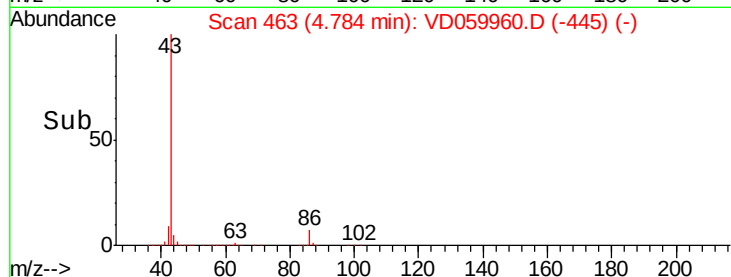
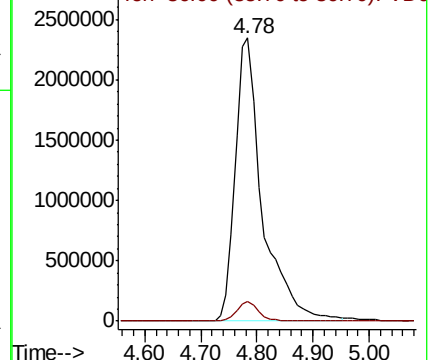
43 100

86 6.8 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.48 ug/l

RT: 4.73 min Scan# 457

Delta R.T. -0.03 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

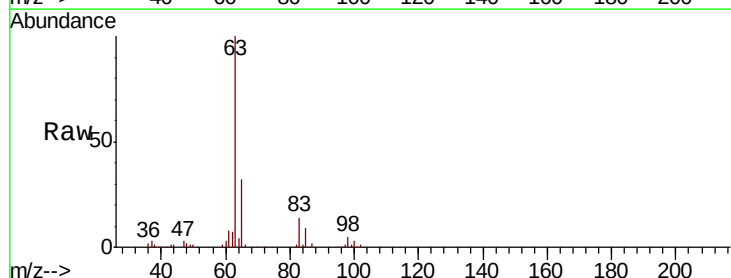
Tgt Ion: 63 Resp: 1221291

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

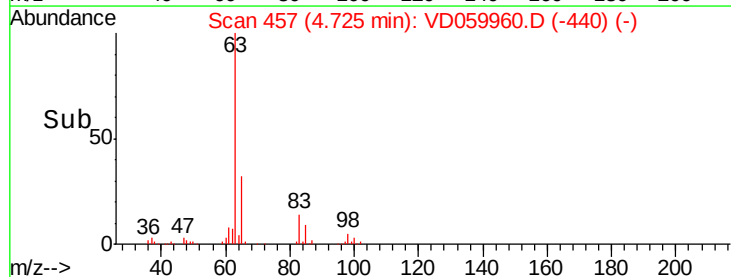
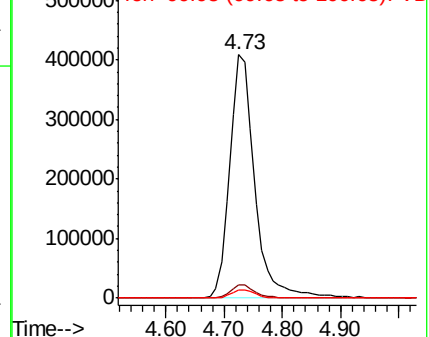
100 3.2 1.8 5.3

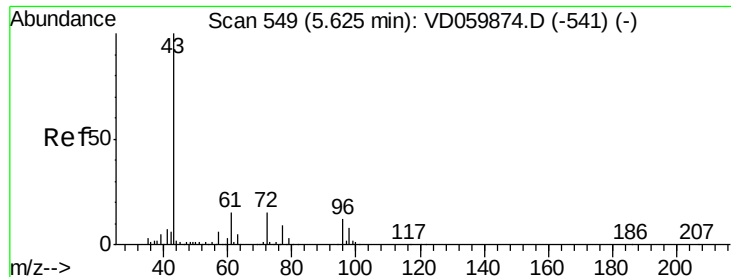


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 300.65 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

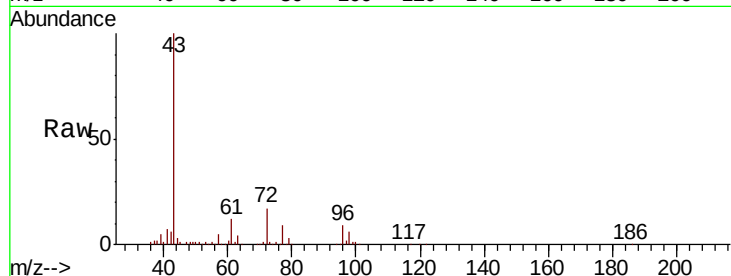
VSTDCCC050

Tot Ion: 43 Resp: 1858379

Ion Ratio Lower Upper

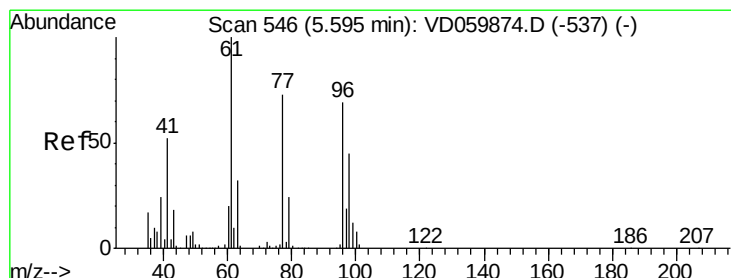
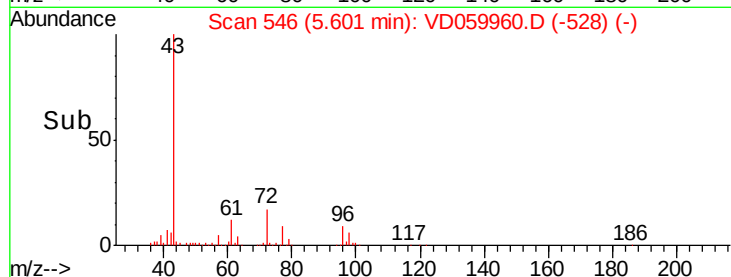
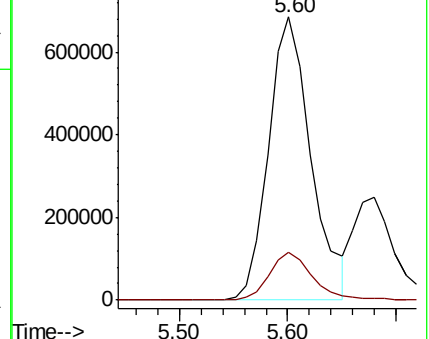
43 100

72 17.0 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.81 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.03 min

Lab File: VD059960.D

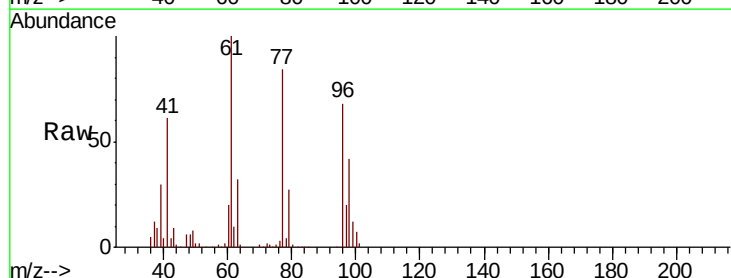
Acq: 5 Sep 2018 10:30

Tgt Ion: 77 Resp: 987849

Ion Ratio Lower Upper

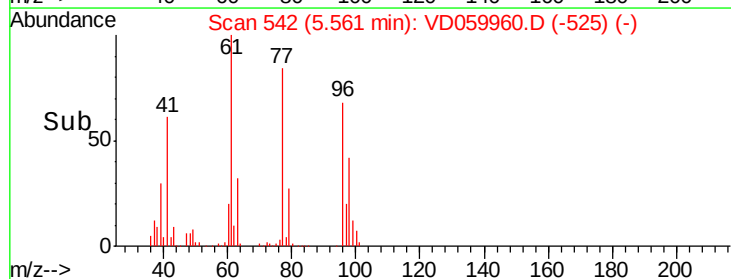
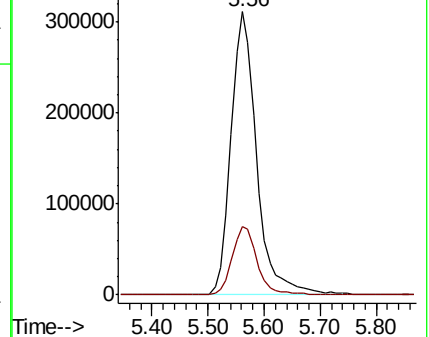
77 100

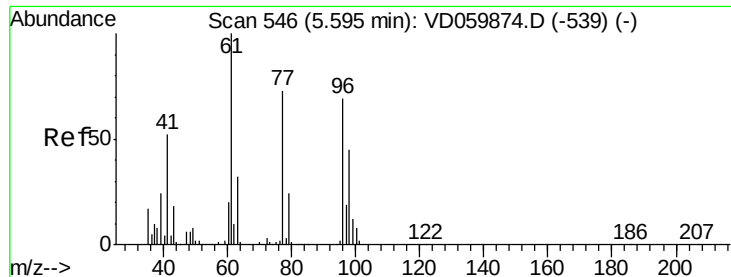
97 24.1 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 51.92 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

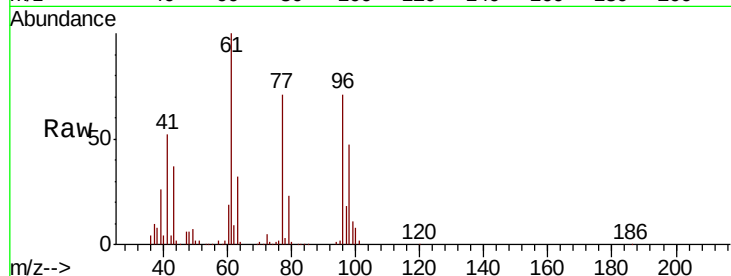
Tot Ion: 96 Resp: 745463

Ion Ratio Lower Upper

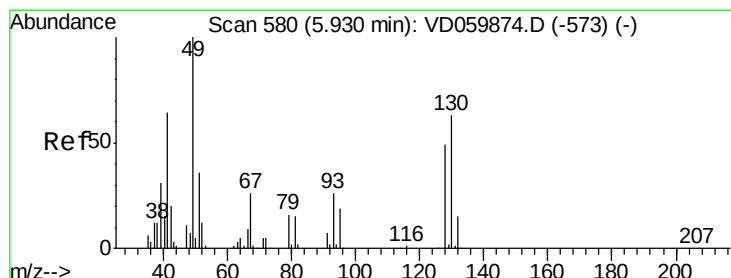
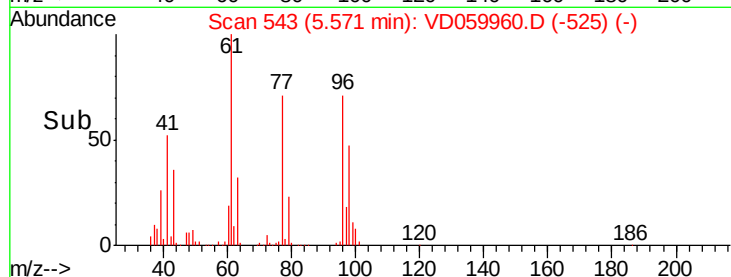
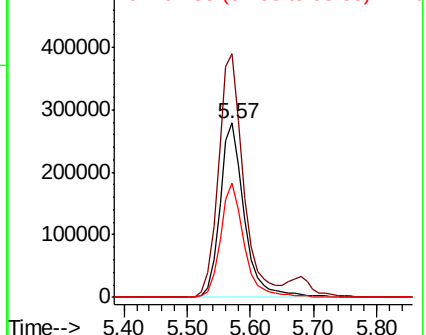
96 100

61 139.9 0.0 290.2

98 65.6 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 49.79 ug/l

RT: 5.91 min Scan# 577

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

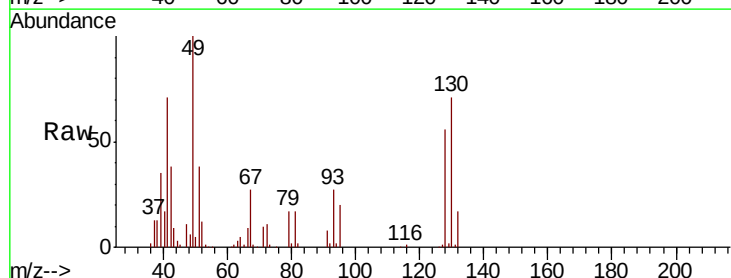
Tgt Ion: 49 Resp: 566142

Ion Ratio Lower Upper

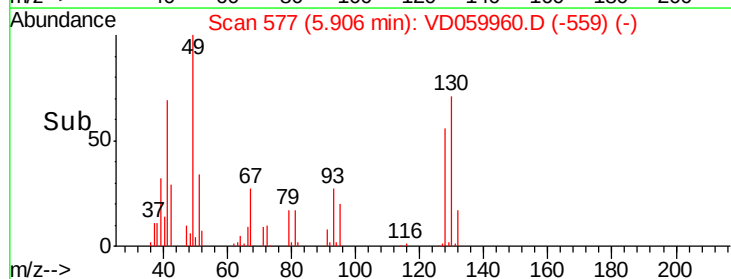
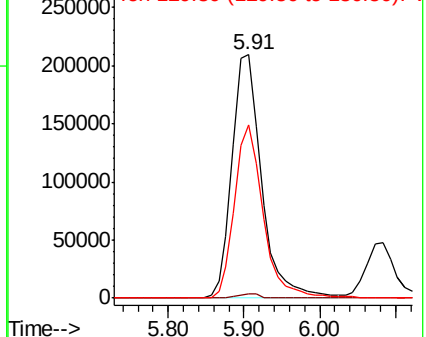
49 100

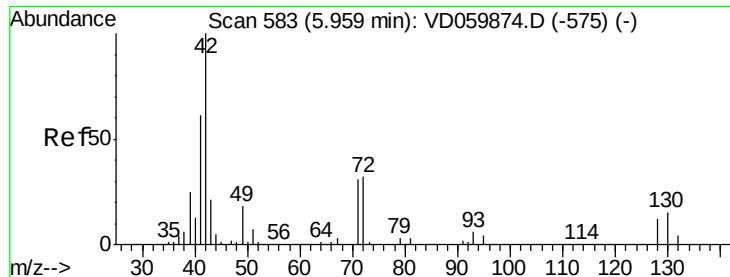
129 1.8 0.0 3.2

130 71.2 50.6 75.8



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: 265.35 ug/l

RT: 5.94 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

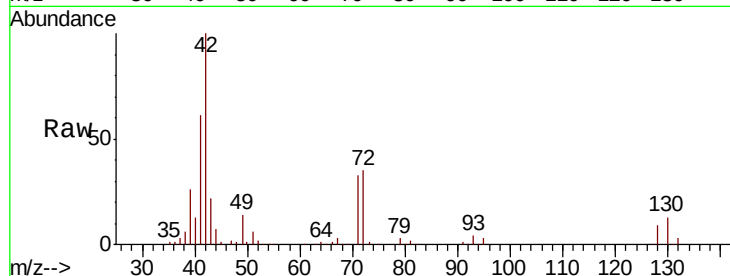
Tot Ion: 42 Resp: 780841

Ion Ratio Lower Upper

42 100

72 34.0 25.7 38.5

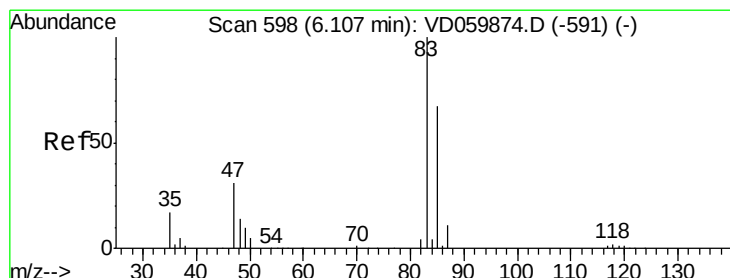
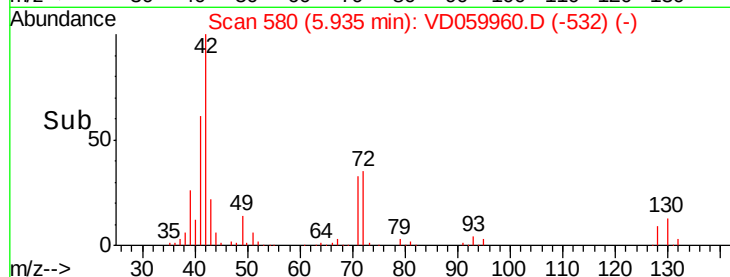
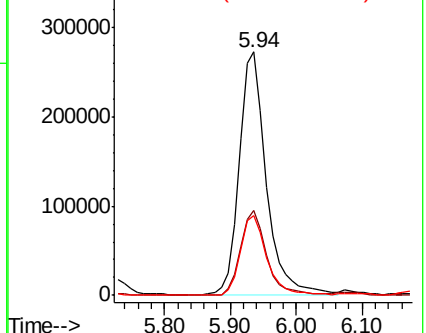
71 32.4 25.3 37.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 53.84 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.02 min

Lab File: VD059960.D

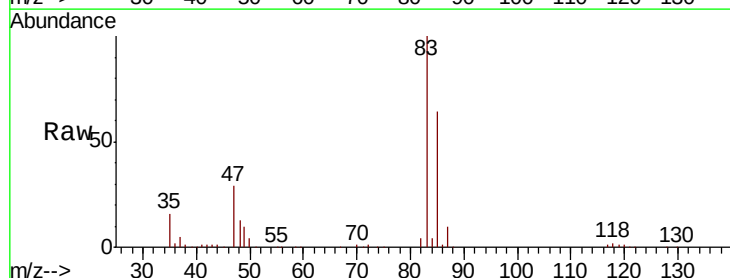
Acq: 5 Sep 2018 10:30

Tgt Ion: 83 Resp: 1298103

Ion Ratio Lower Upper

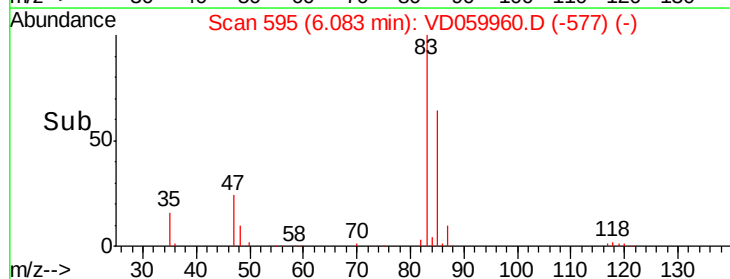
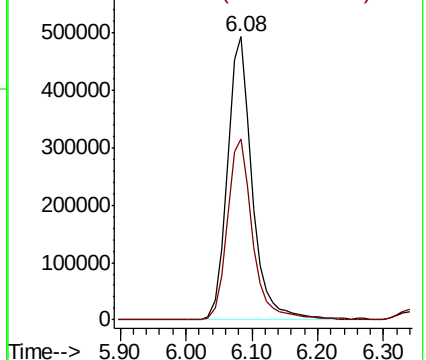
83 100

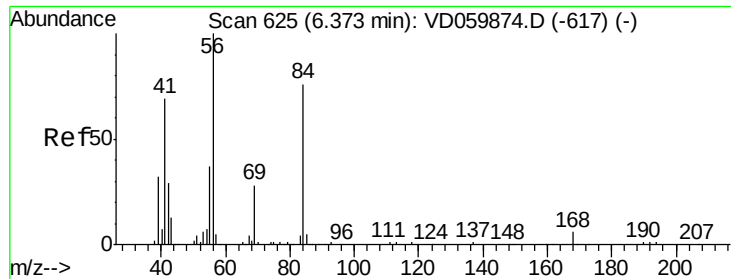
85 63.9 53.5 80.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

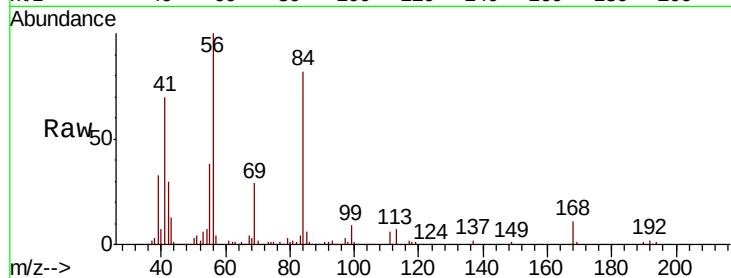




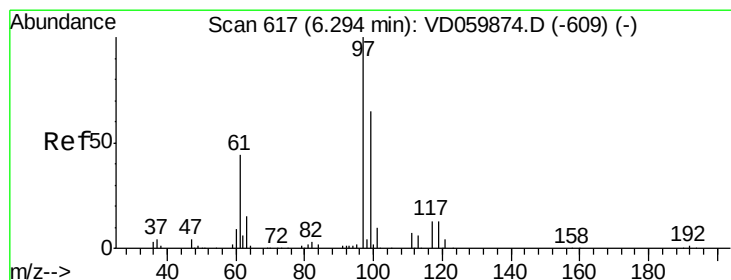
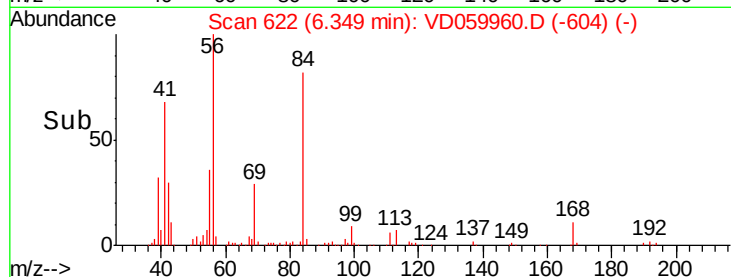
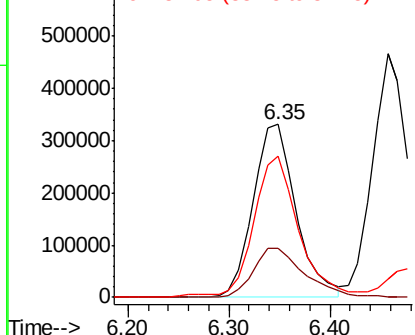
#31
Cyclohexane
Concen: 44.95 ug/l
RT: 6.35 min Scan# 622
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 980407
Ion Ratio Lower Upper
56 100
69 28.7 22.4 33.6
84 81.6 62.1 93.1

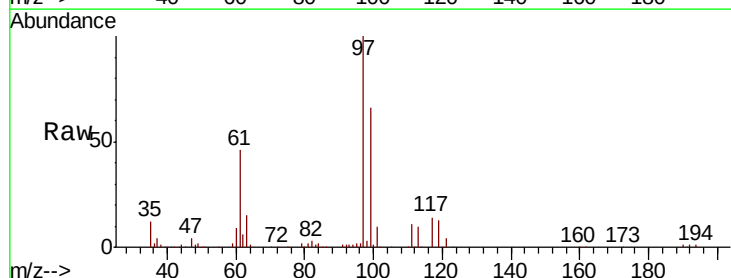


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

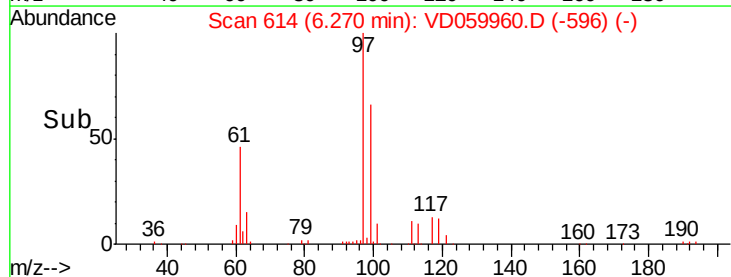
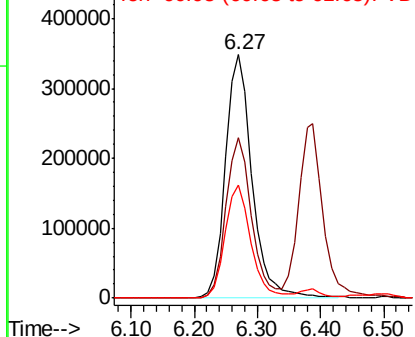


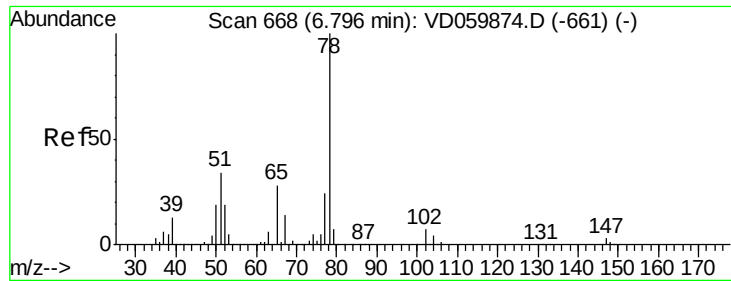
#32
1,1,1-Trichloroethane
Concen: 49.54 ug/l
RT: 6.27 min Scan# 614
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion: 97 Resp: 1013693
Ion Ratio Lower Upper
97 100
99 65.9 51.7 77.5
61 46.2 35.4 53.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

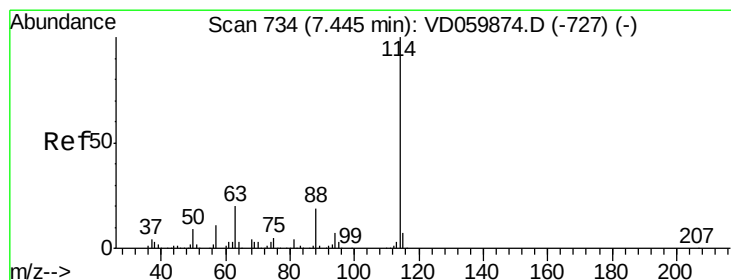
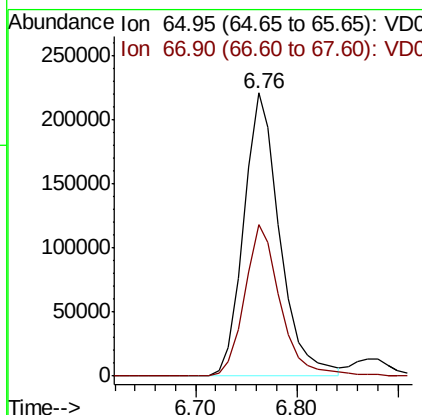
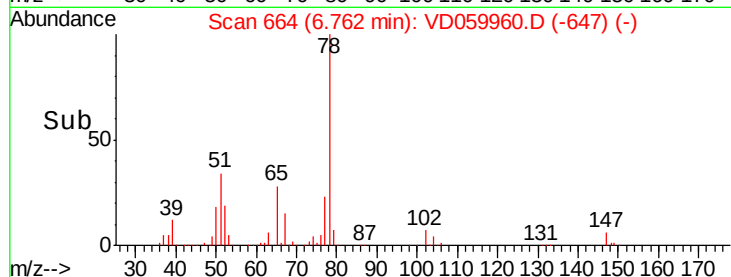
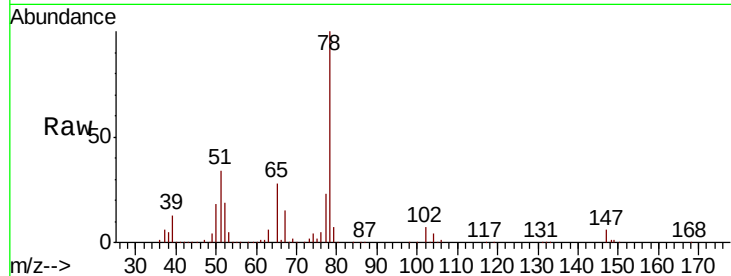




#33
 1,2-Dichloroethane-d4
 Concen: 49.54 ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

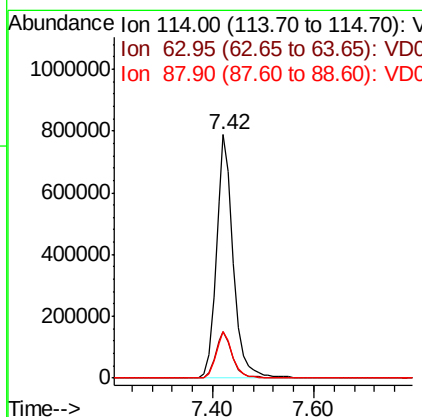
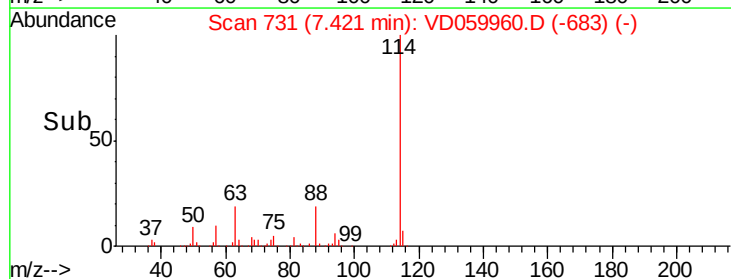
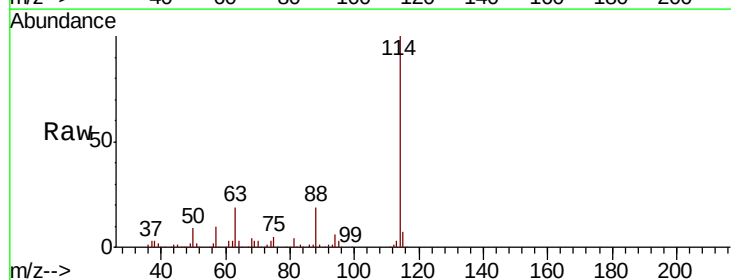
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

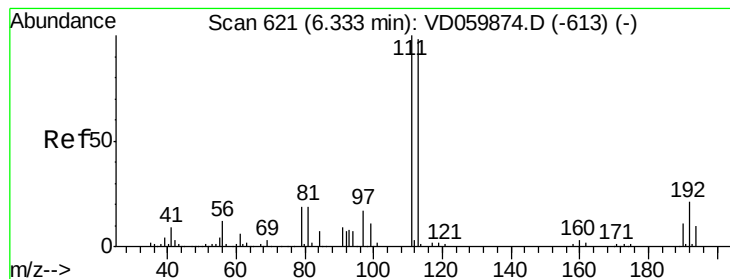
Tot Ion: 65 Resp: 547571
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion: 114 Resp: 1848823
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 19.1 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

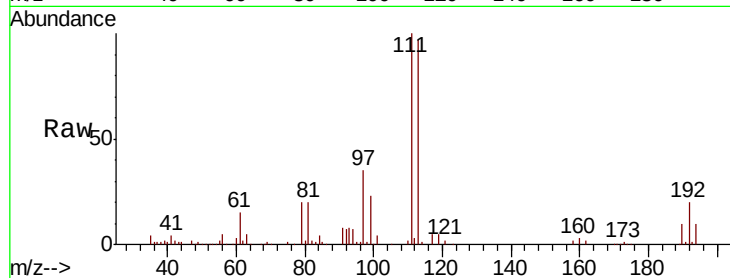
Tot Ion:113 Resp: 715310

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

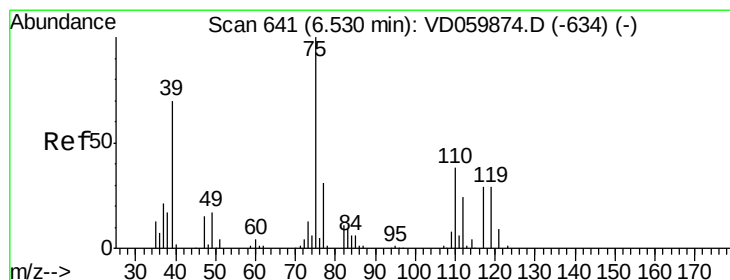
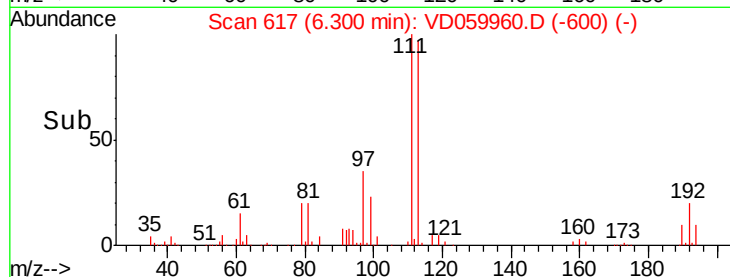
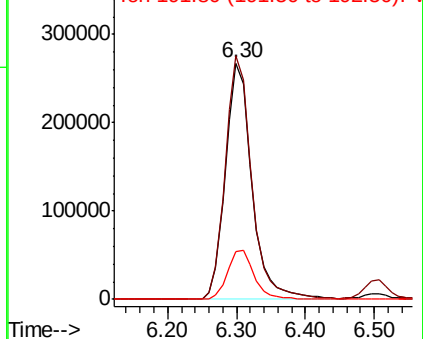
192 20.5 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.58 ug/l

RT: 6.50 min Scan# 637

Delta R.T. -0.03 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

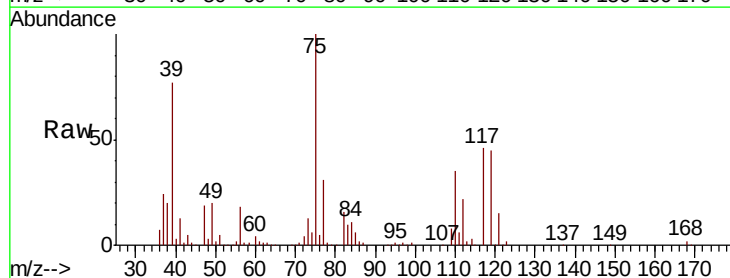
Tgt Ion: 75 Resp: 881207

Ion Ratio Lower Upper

75 100

110 34.7 18.6 56.0

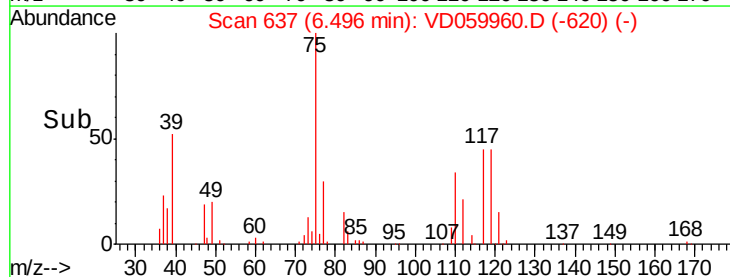
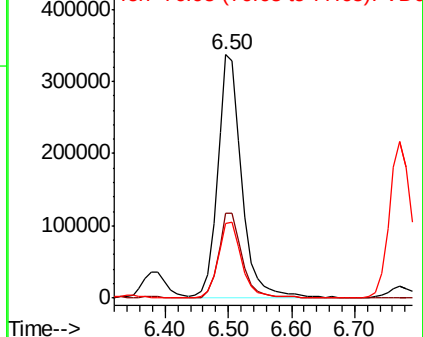
77 30.6 25.1 37.7

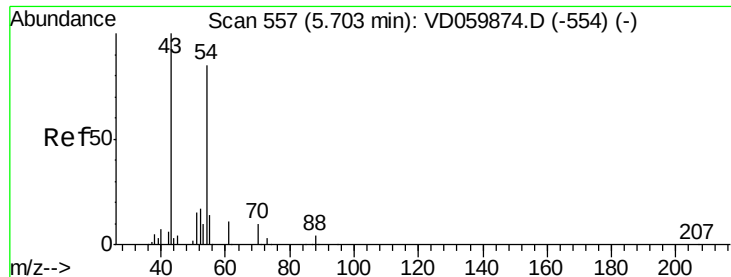


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

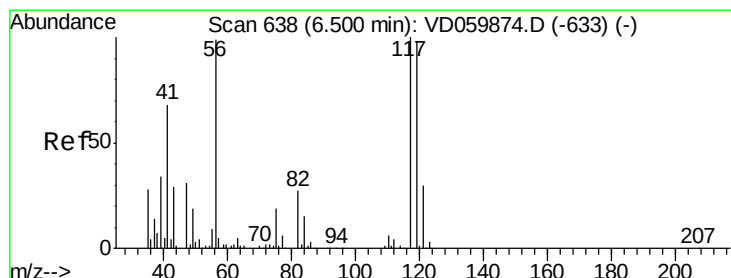
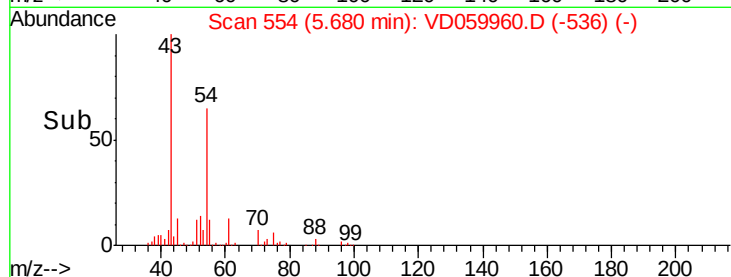
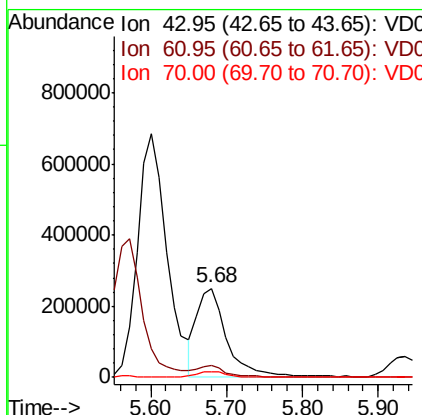
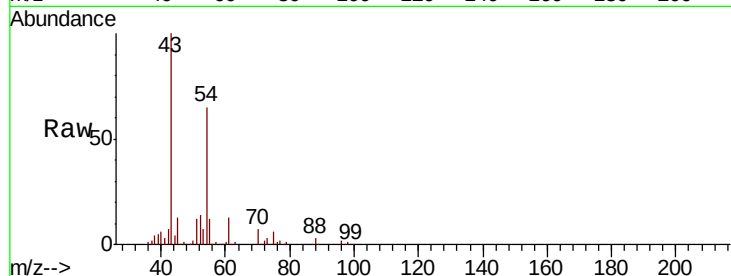




#37
Ethyl Acetate
Concen: 51.56 ug/l
RT: 5.68 min Scan# 554
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

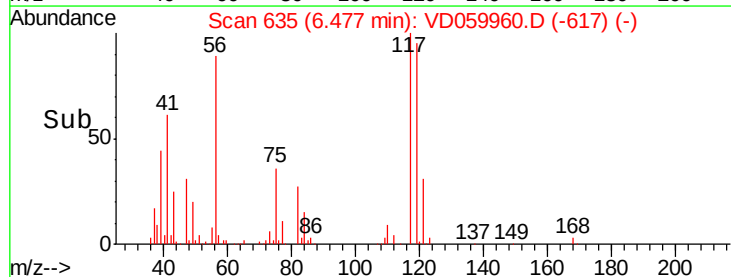
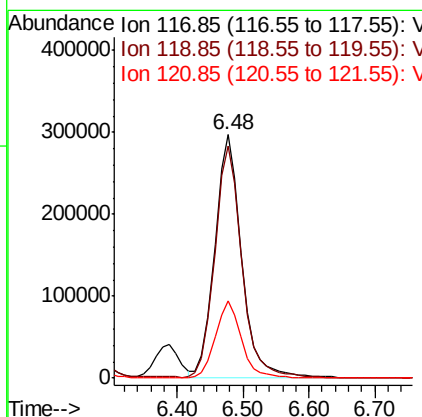
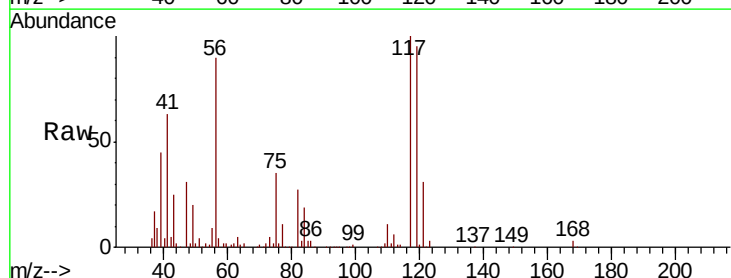
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

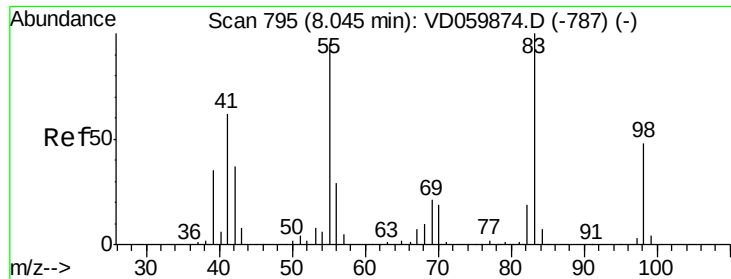
Tot Ion: 43 Resp: 672453
Ion Ratio Lower Upper
43 100
61 13.1 11.0 16.6
70 6.8 5.7 8.5



#38
Carbon Tetrachloride
Concen: 48.80 ug/l
RT: 6.48 min Scan# 635
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion: 117 Resp: 825442
Ion Ratio Lower Upper
117 100
119 95.5 77.2 115.8
121 31.5 24.0 36.0

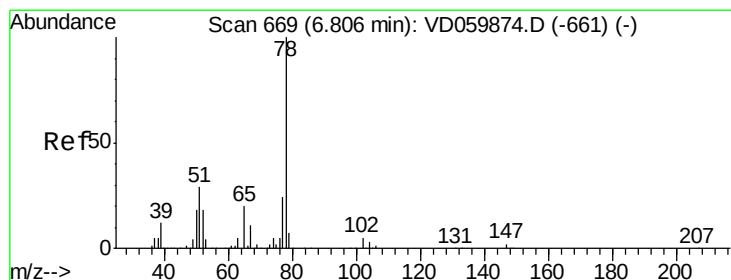
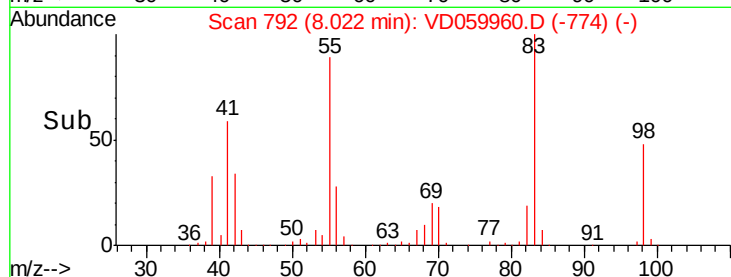
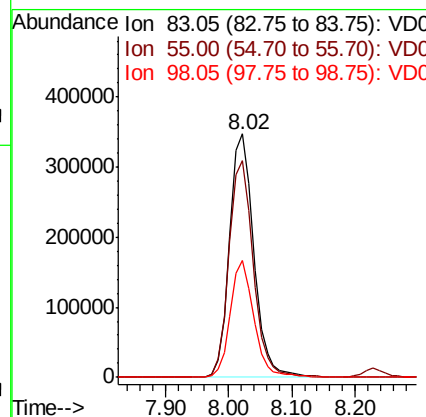
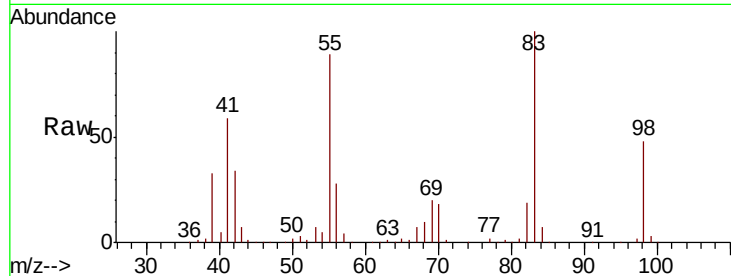




#39
Methylvlcyclohexane
Concen: 51.32 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

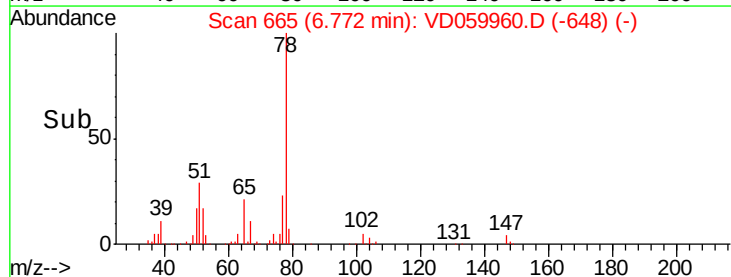
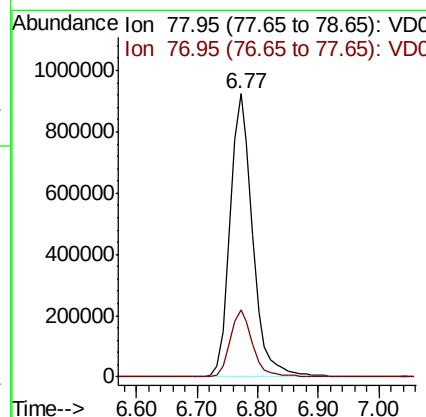
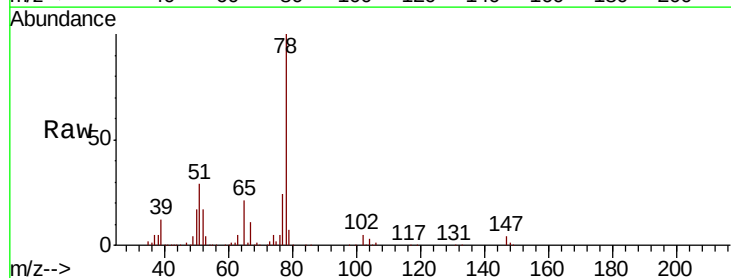
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

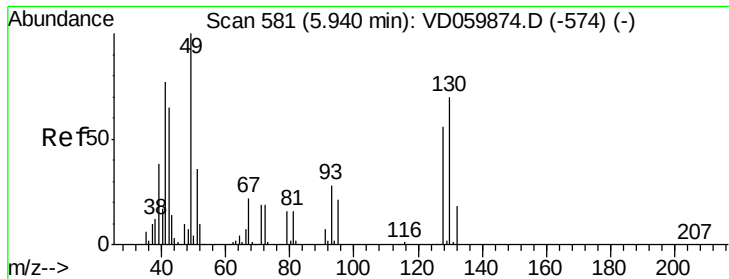
Tot Ion: 83 Resp: 929191
Ion Ratio Lower Upper
83 100
55 89.1 75.8 113.6
98 48.0 38.3 57.5



#40
Benzene
Concen: 54.84 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion: 78 Resp: 2390067
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

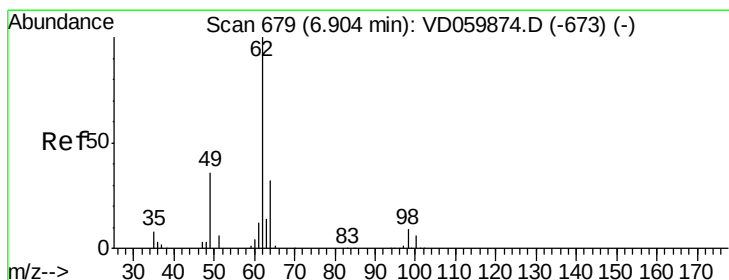
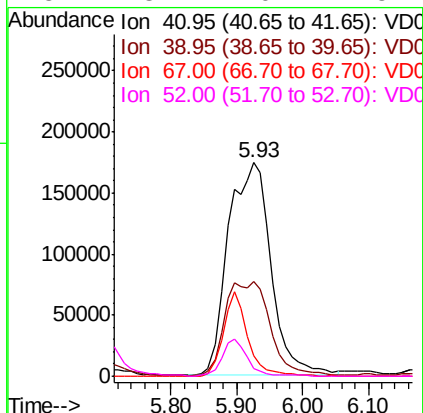
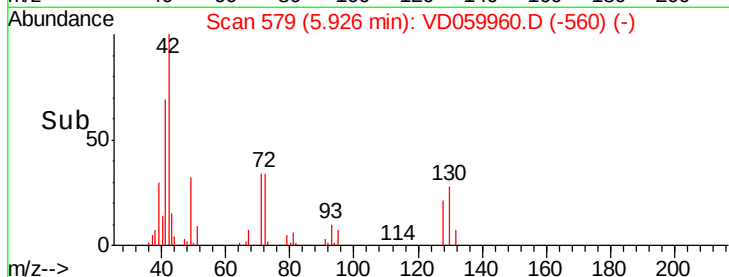
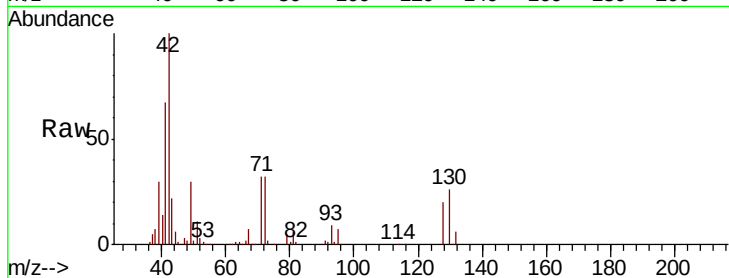




#41
Methacrylonitrile
Concen: 120.66 ug/l
RT: 5.93 min Scan# 579
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

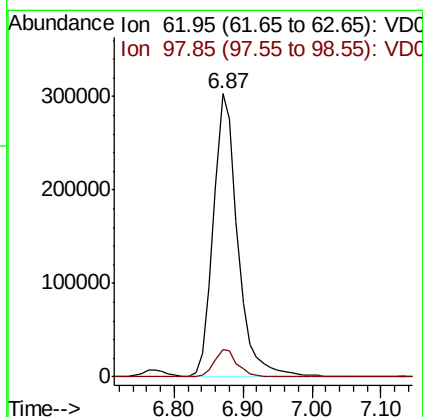
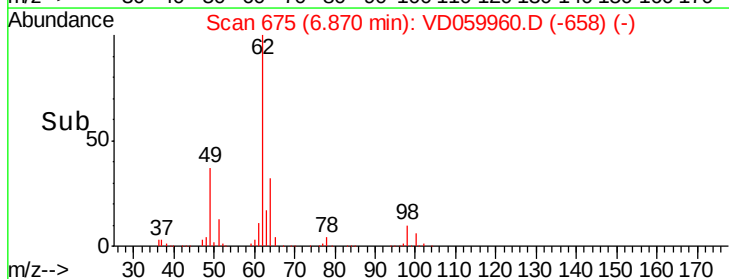
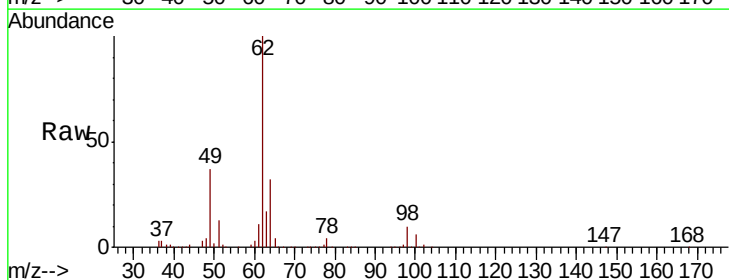
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

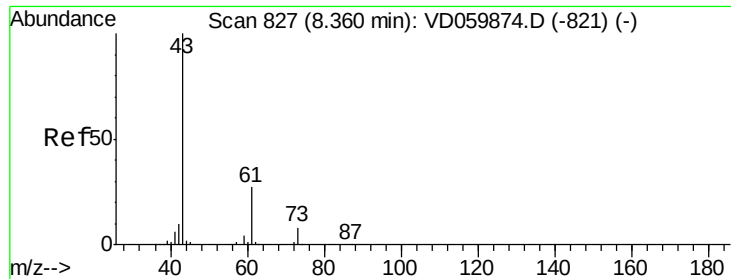
Tot Ion	Ratio	Lower	Upper
41	100		
39	44.1	39.4	59.2
67	9.8	22.2	33.2#
52	3.7	10.1	15.1#



#42
1,2-Dichloroethane
Concen: 52.91 ug/l
RT: 6.87 min Scan# 675
Delta R.T. -0.03 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4





#43

Isopropyl Acetate

Concen: 53.56 ug/l

RT: 8.33 min Scan# 823

Delta R.T. -0.03 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

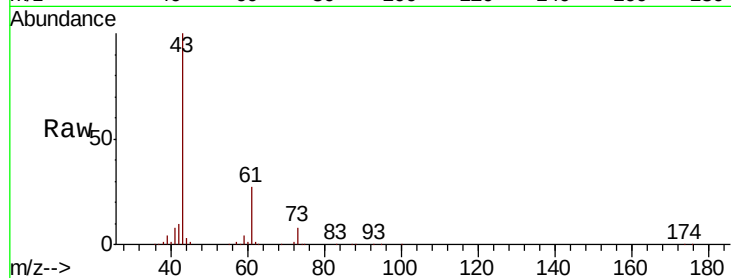
Tot Ion: 43 Resp: 908767

Ion Ratio Lower Upper

43 100

61 26.7 21.4 32.2

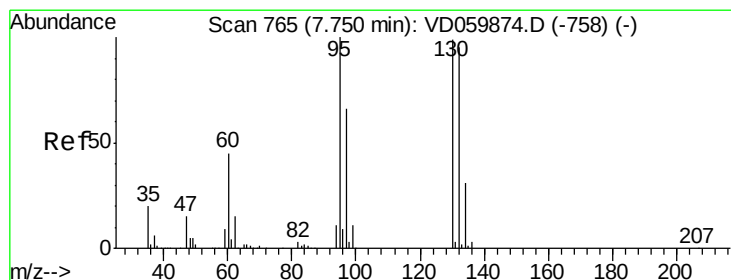
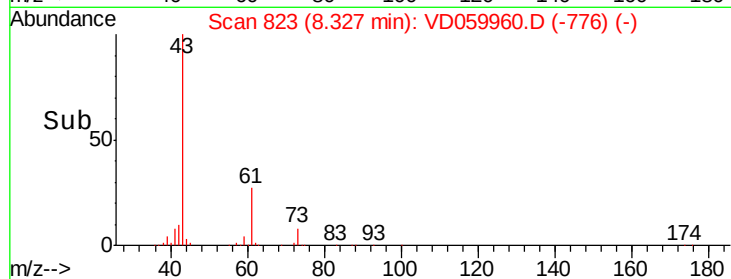
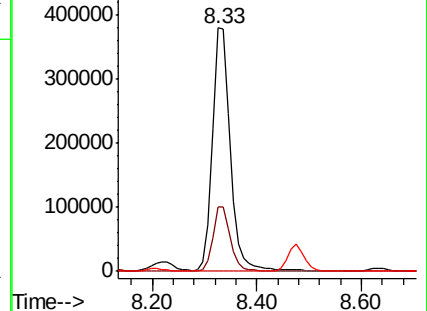
87 0.2 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.51 ug/l

RT: 7.72 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD059960.D

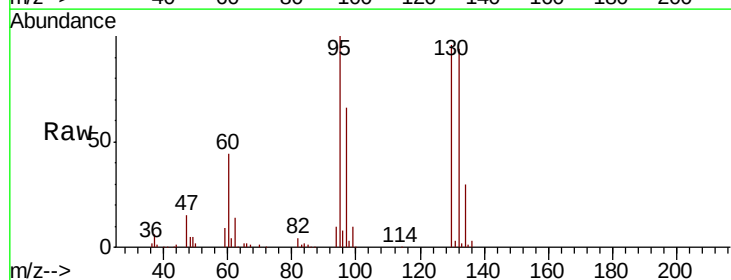
Acq: 5 Sep 2018 10:30

Tgt Ion: 130 Resp: 686628

Ion Ratio Lower Upper

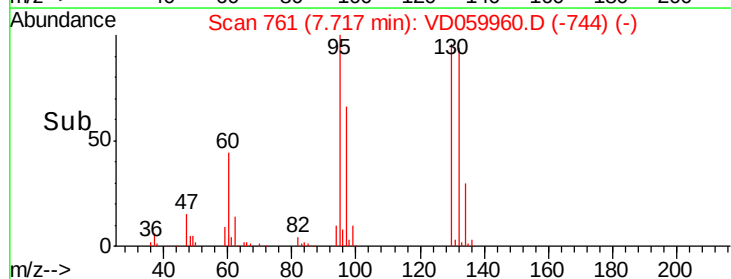
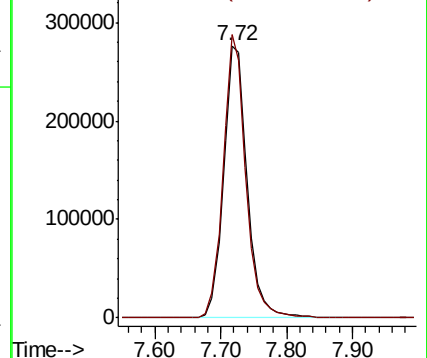
130 100

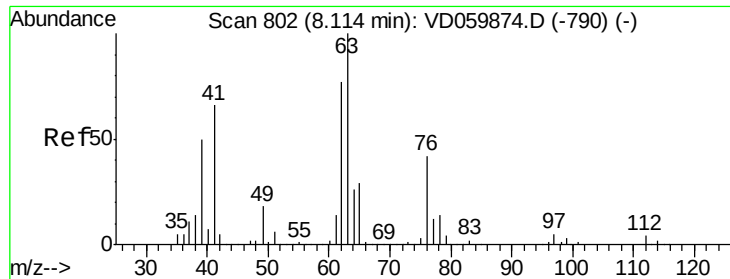
95 104.0 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.60 ug/l

RT: 8.08 min Scan# 798

Delta R.T. -0.03 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

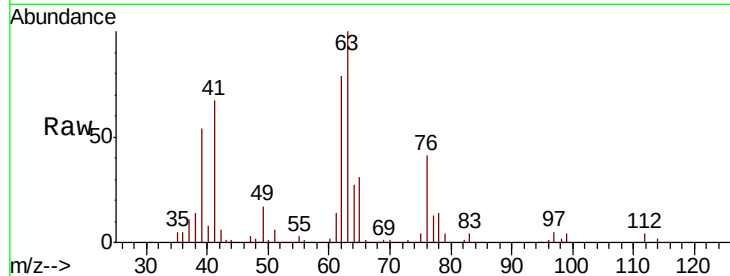
VSTDCCC050

Tot Ion: 63 Resp: 628513

Ion Ratio Lower Upper

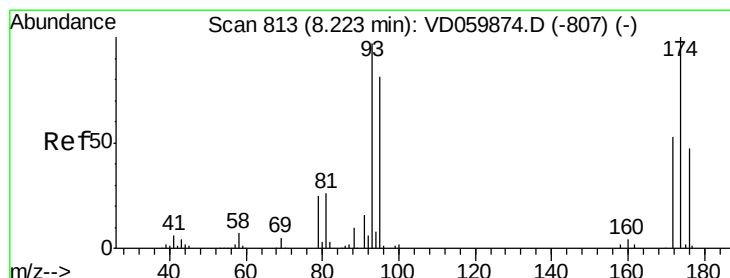
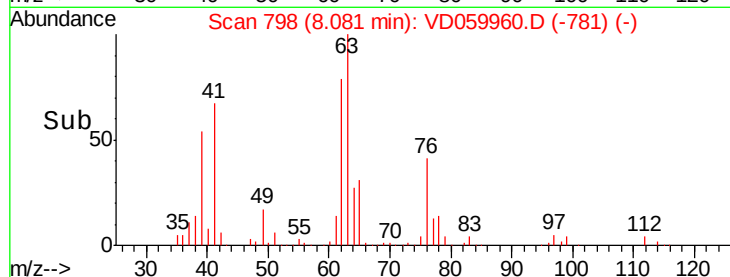
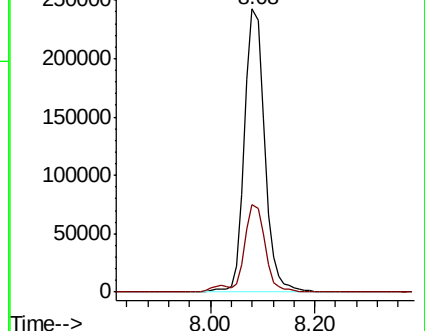
63 100

65 30.8 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.51 ug/l

RT: 8.20 min Scan# 810

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

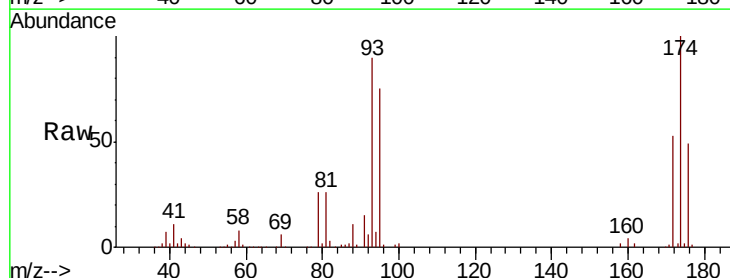
Tgt Ion: 93 Resp: 419095

Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

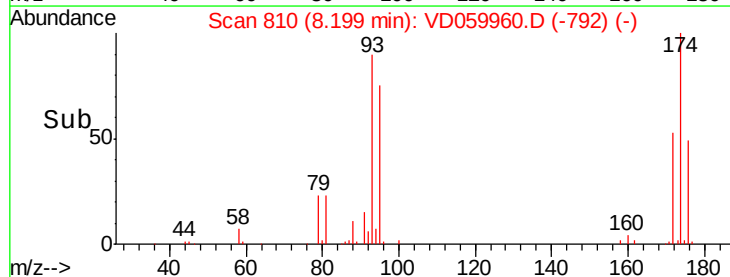
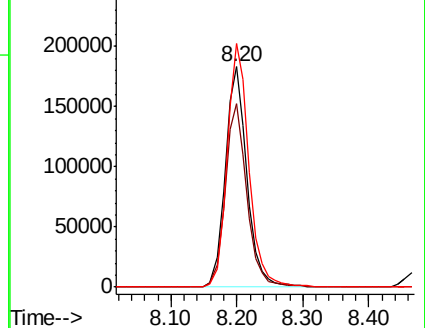
174 110.7 82.4 123.6

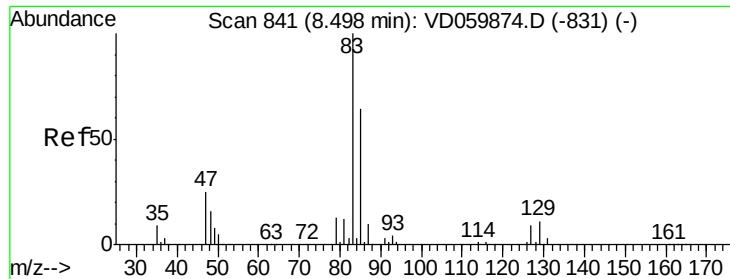


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.67 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

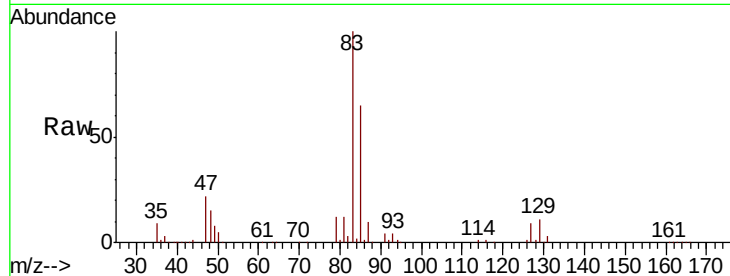
Tot Ion: 83 Resp: 933909

Ion Ratio Lower Upper

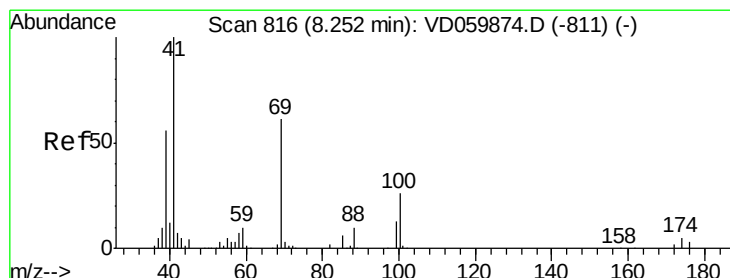
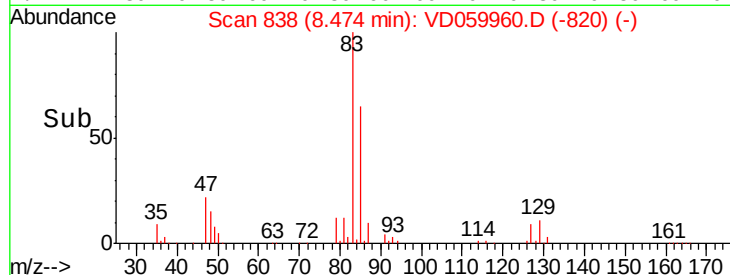
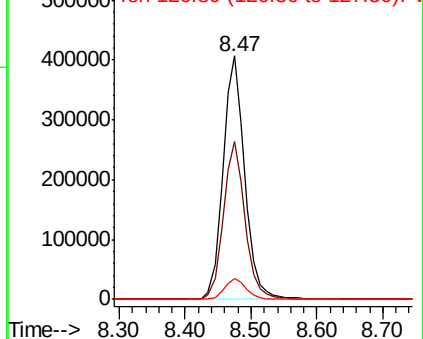
83 100

85 65.0 51.3 76.9

127 8.7 7.0 10.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 51.90 ug/l

RT: 8.23 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

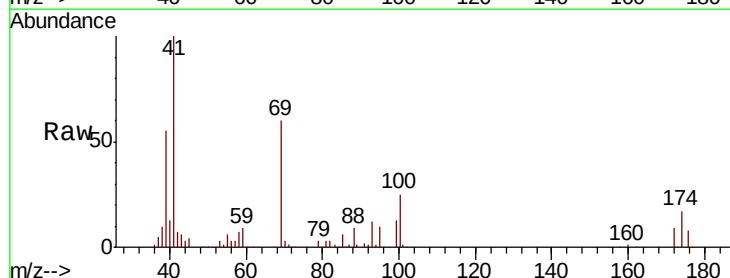
Tgt Ion: 41 Resp: 513302

Ion Ratio Lower Upper

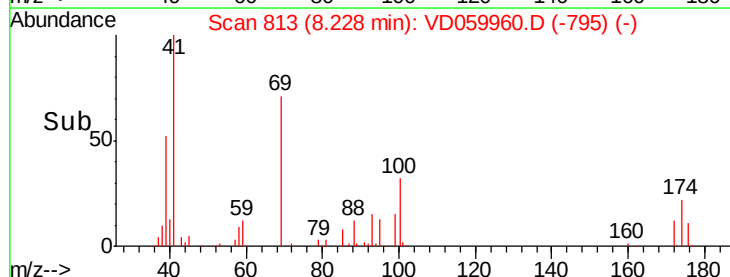
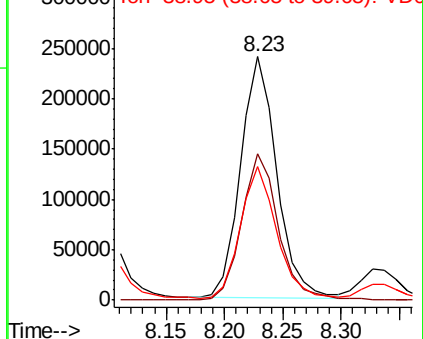
41 100

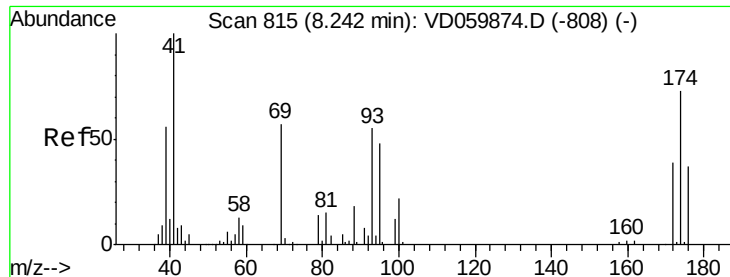
69 60.2 48.0 72.0

39 54.8 45.4 68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1126.04 ug/l

RT: 8.21 min Scan# 811

Delta R.T. -0.03 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

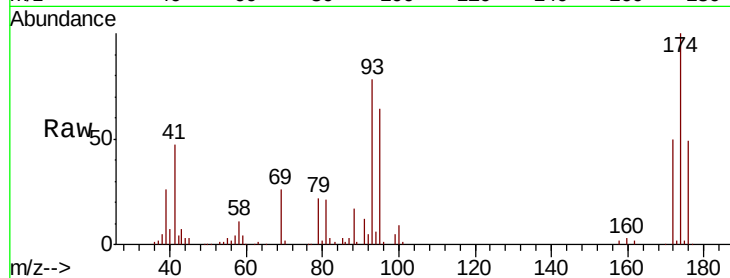
Tot Ion: 88 Resp: 99431

Ion Ratio Lower Upper

88 100

43 41.6 45.0 67.6#

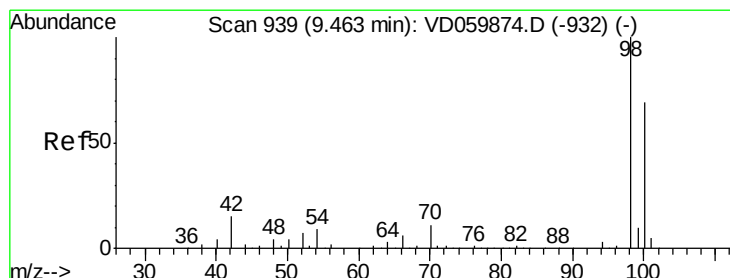
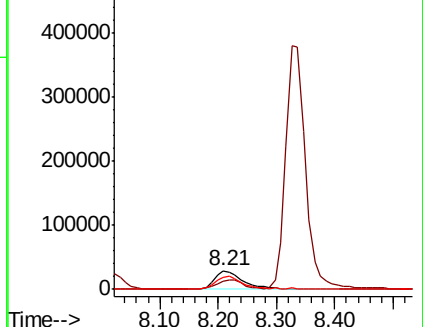
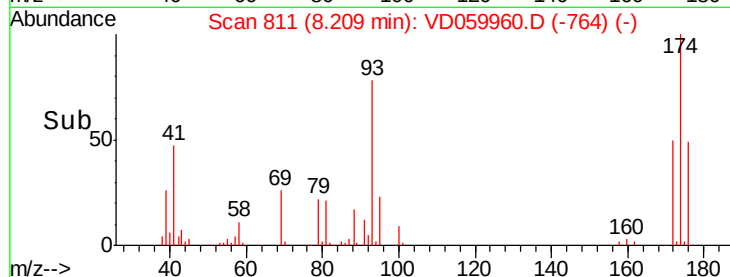
58 63.1 55.8 83.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1126.04 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059960.D

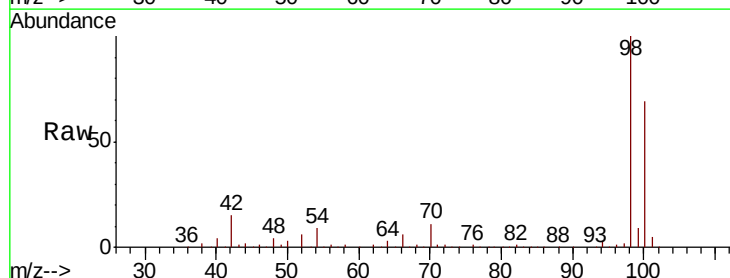
Acq: 5 Sep 2018 10:30

Tgt Ion: 98 Resp: 1945147

Ion Ratio Lower Upper

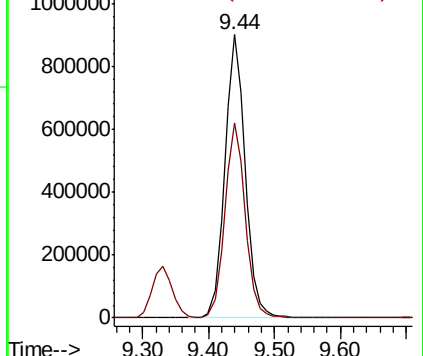
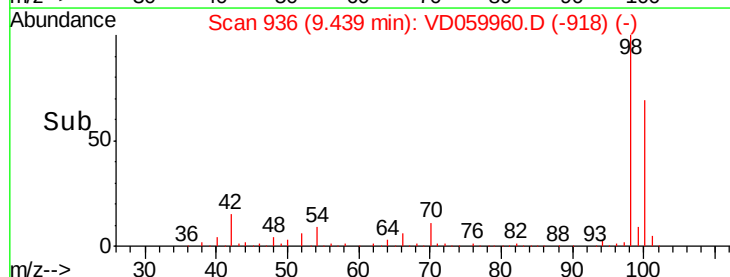
98 100

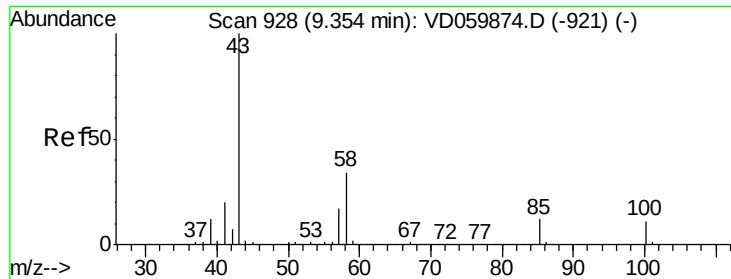
100 69.1 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 281.74 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

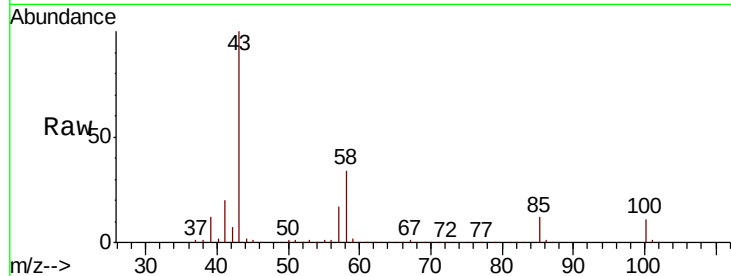
VSTDCCC050

Tot Ion: 43 Resp: 3563723

Ion Ratio Lower Upper

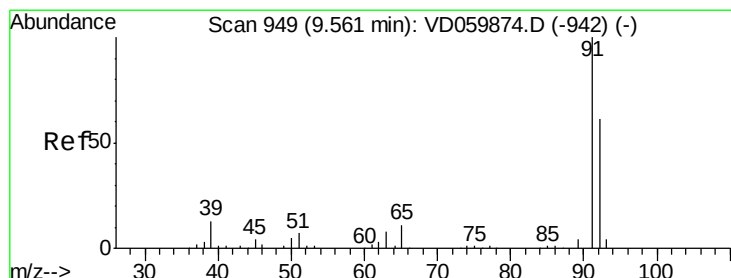
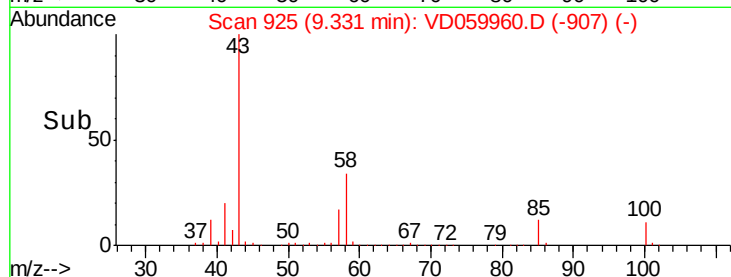
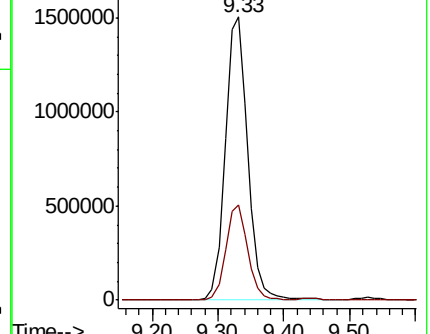
43 100

58 33.6 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.57 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.02 min

Lab File: VD059960.D

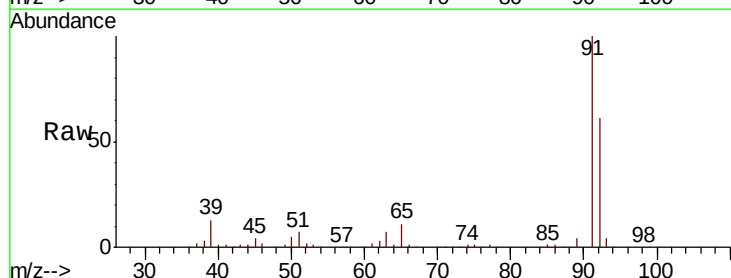
Acq: 5 Sep 2018 10:30

Tgt Ion: 92 Resp: 1469041

Ion Ratio Lower Upper

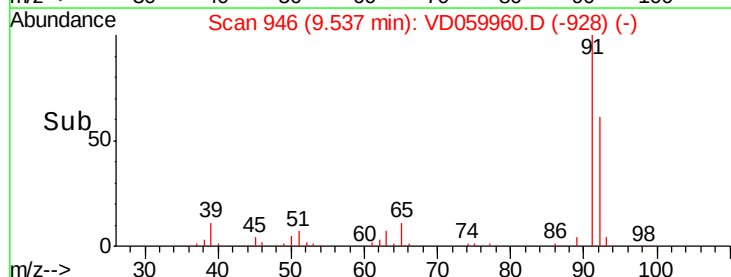
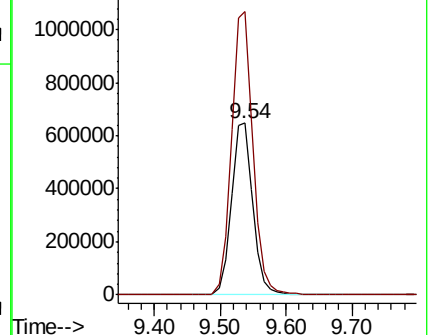
92 100

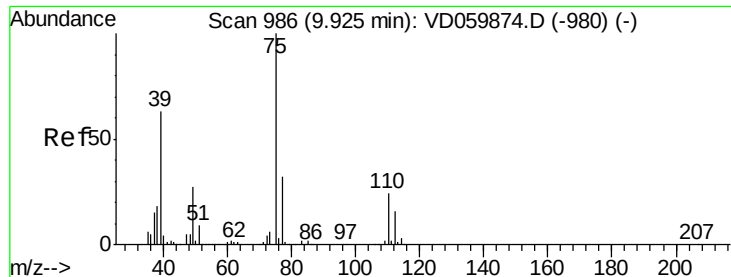
91 165.1 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 53.80 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

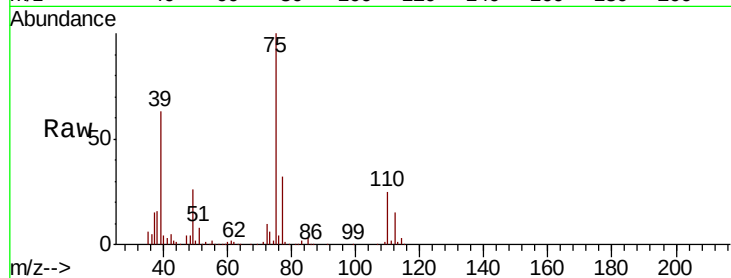
VSTDCCC050

Tot Ion: 75 Resp: 882353

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

400000

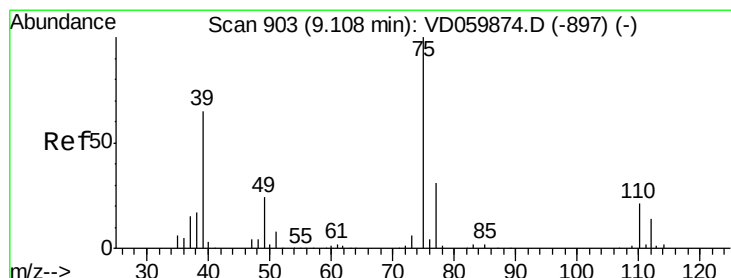
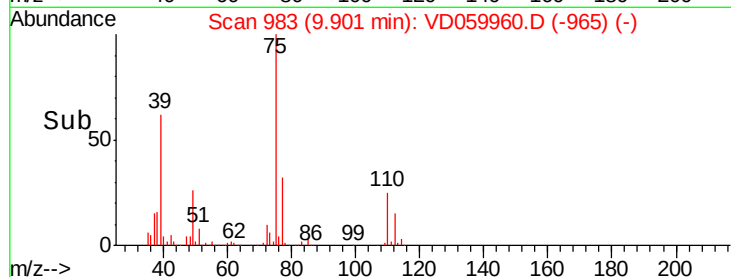
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.96 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

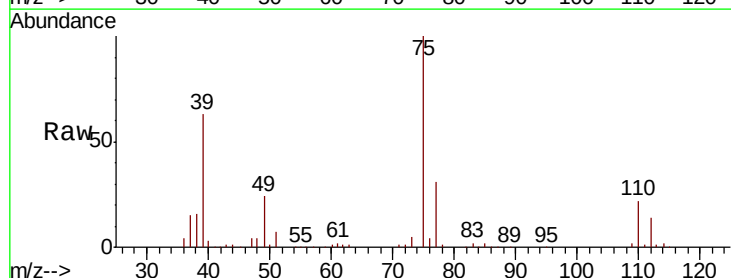
Tgt Ion: 75 Resp: 1007054

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 63.5 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.08

600000

500000

400000

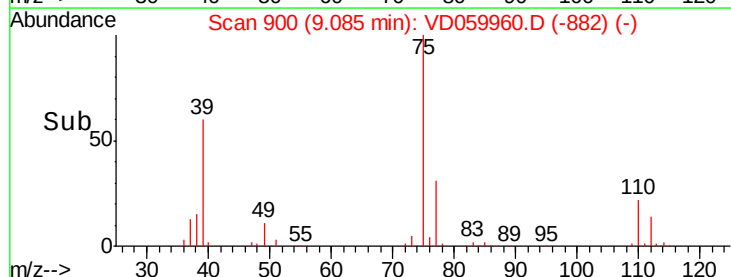
300000

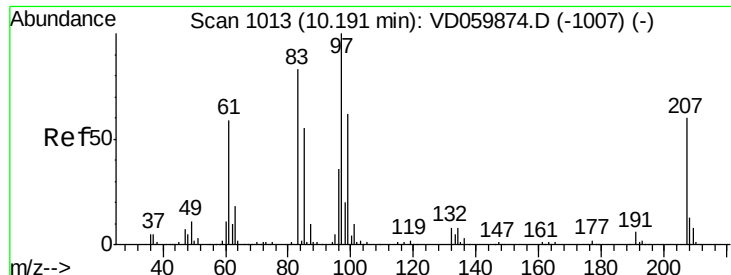
200000

100000

0

Time-->

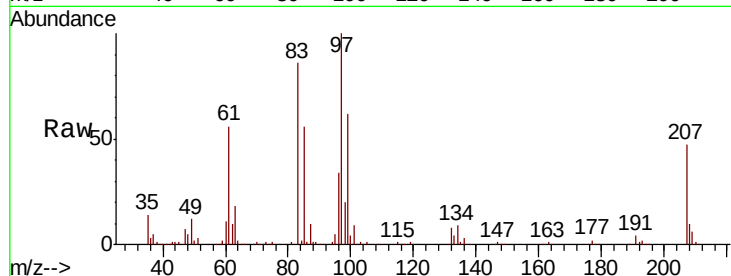




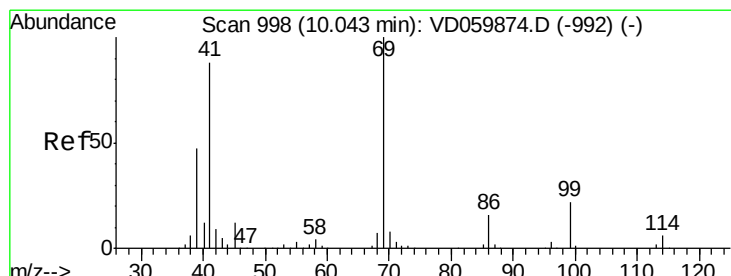
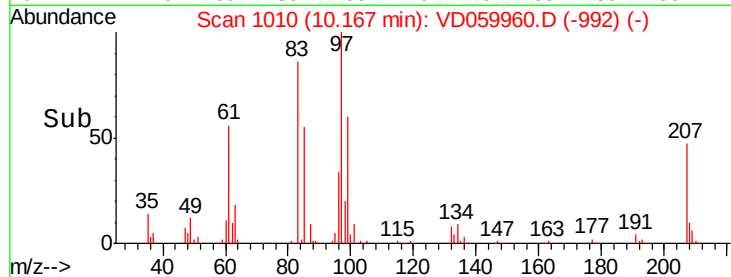
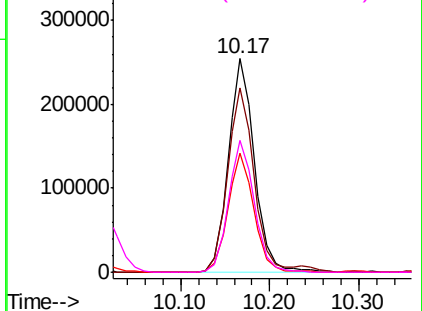
#55
 1,1,2-Trichloroethane
 Concen: 51.00 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 520911
 Ion Ratio Lower Upper
 97 100
 83 86.0 66.7 100.1
 85 55.8 43.8 65.6
 99 61.8 49.8 74.6

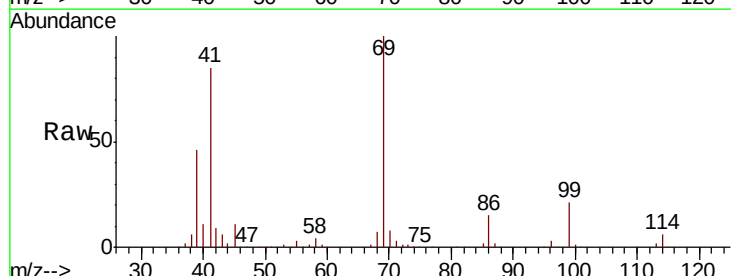


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

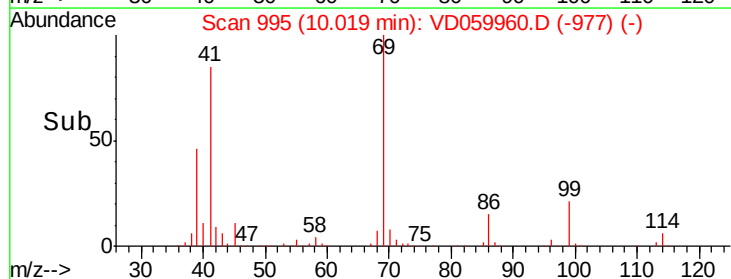
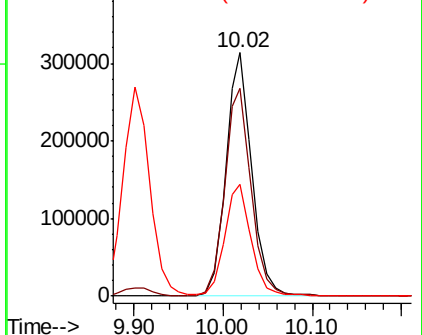


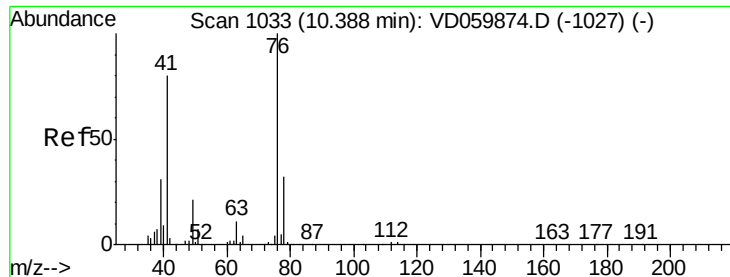
#56
 Ethyl methacrylate
 Concen: 53.77 ug/l
 RT: 10.02 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion: 69 Resp: 633849
 Ion Ratio Lower Upper
 69 100
 41 85.4 71.0 106.4
 39 45.7 38.5 57.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

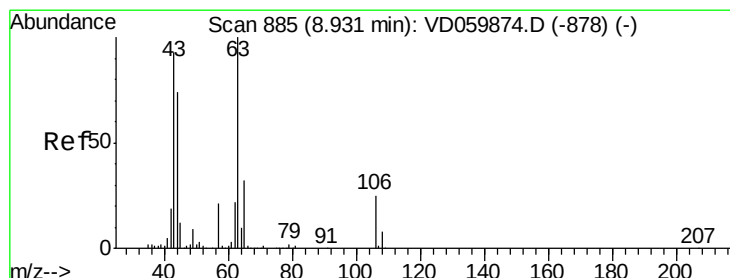
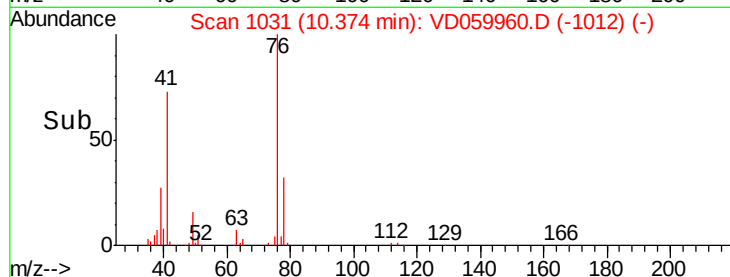
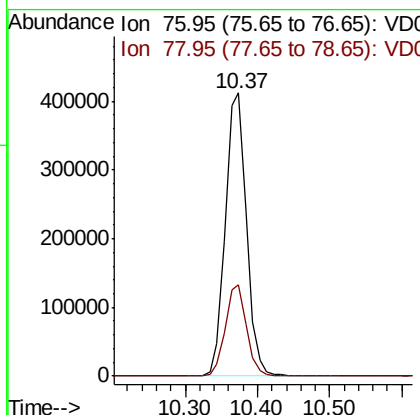
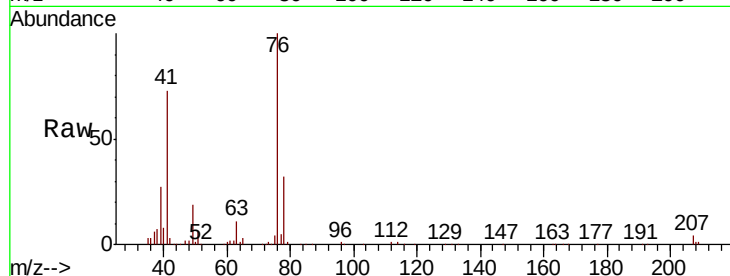




#57
 1,3-Dichloropropane
 Concen: 56.59 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

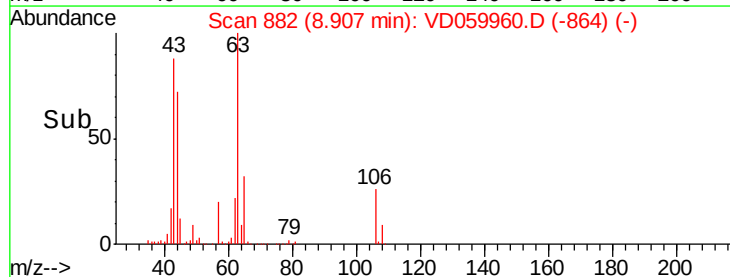
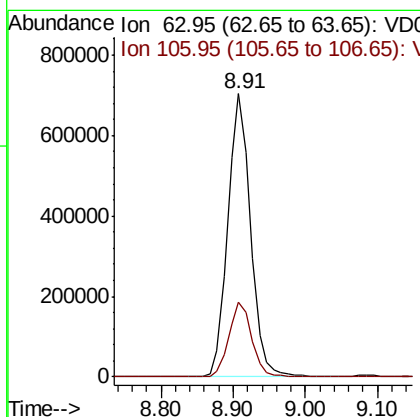
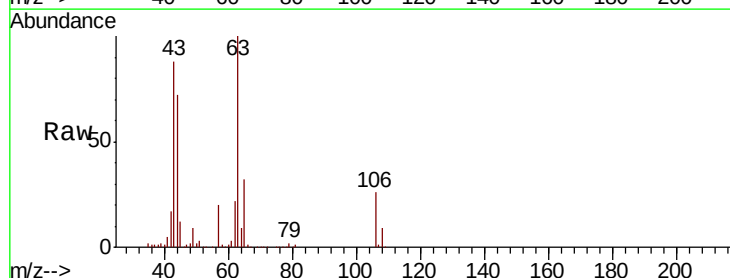
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

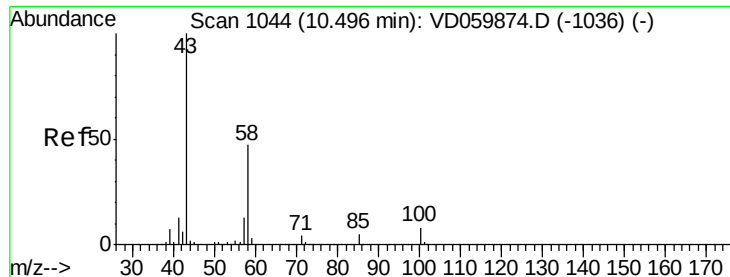
Tot Ion: 76 Resp: 836652
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.99 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion: 63 Resp: 1543816
 Ion Ratio Lower Upper
 63 100
 106 26.4 20.1 30.1

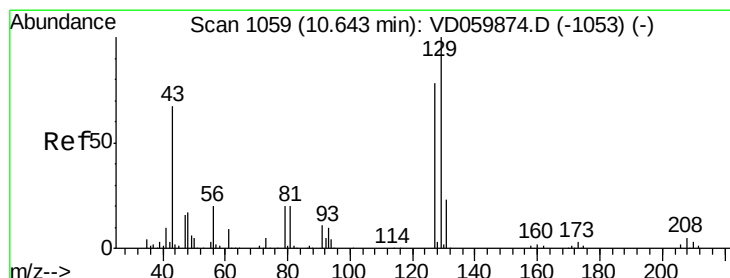
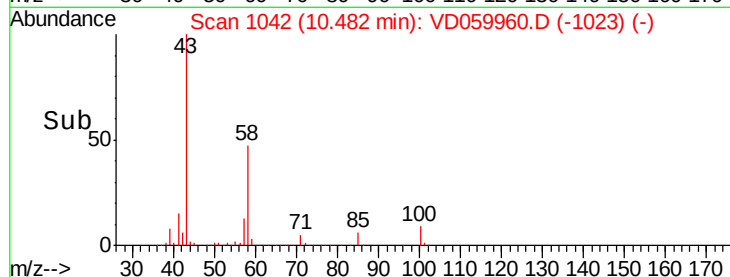
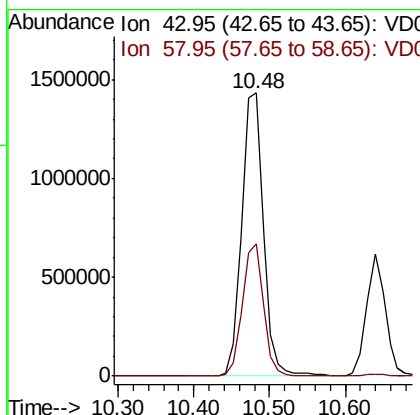
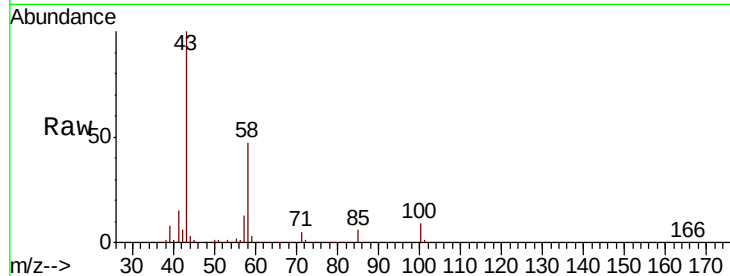




#59
2-Hexanone
Concen: 302.98 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

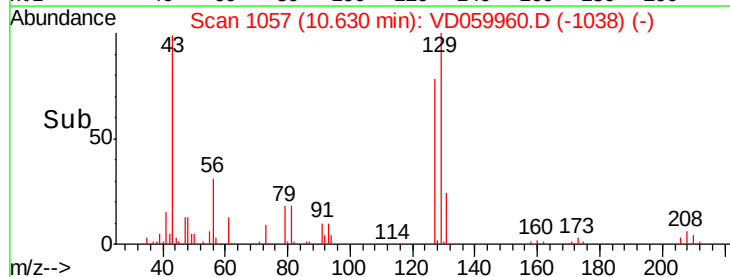
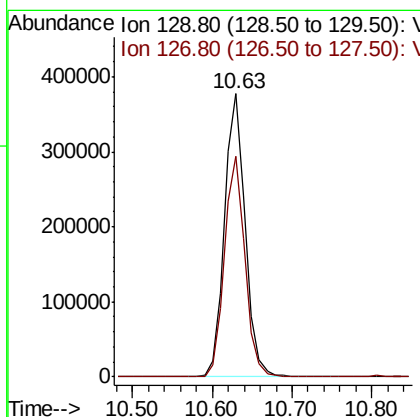
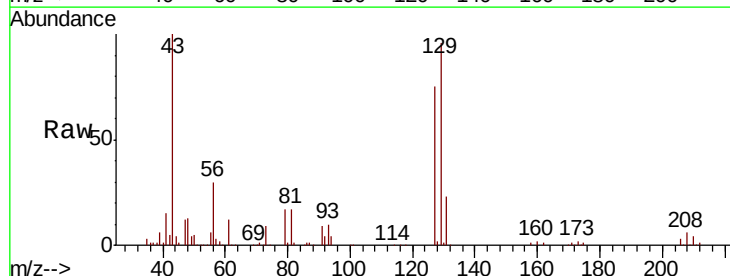
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

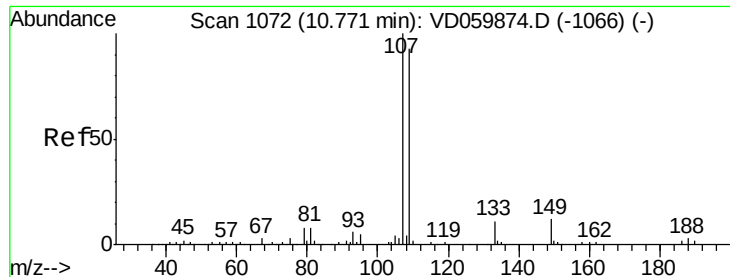
Tot Ion: 43 Resp: 2826737
Ion Ratio Lower Upper
43 100
58 46.8 23.3 69.8



#60
Dibromochloromethane
Concen: 54.05 ug/l
RT: 10.63 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion: 129 Resp: 694000
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2

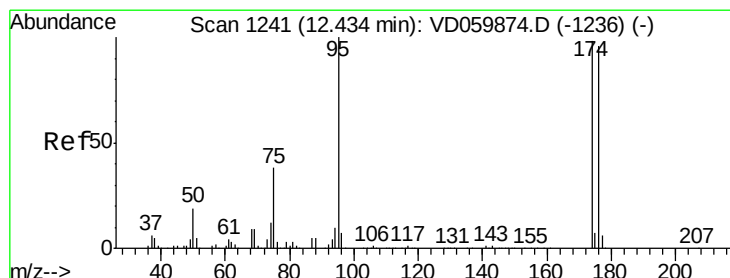
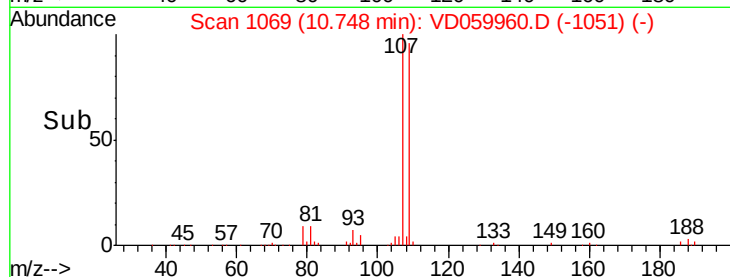
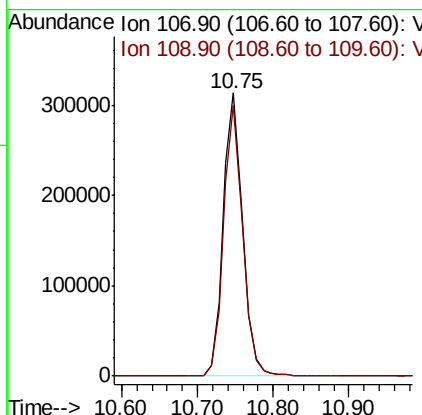
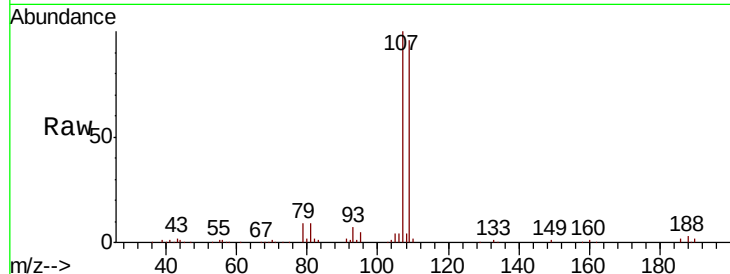




#61
 1,2-Dibromoethane
 Concen: 53.92 ug/l
 RT: 10.75 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

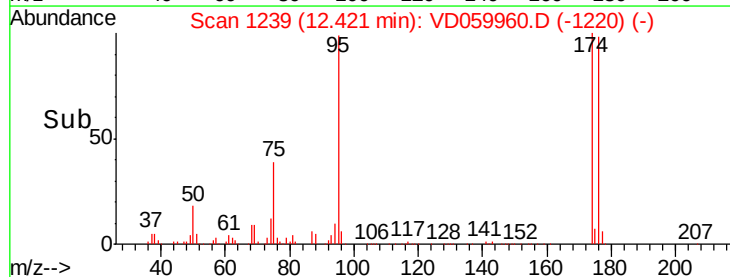
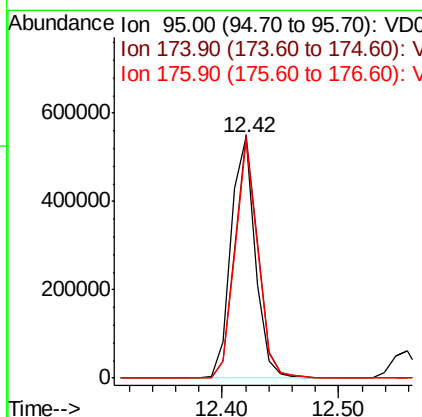
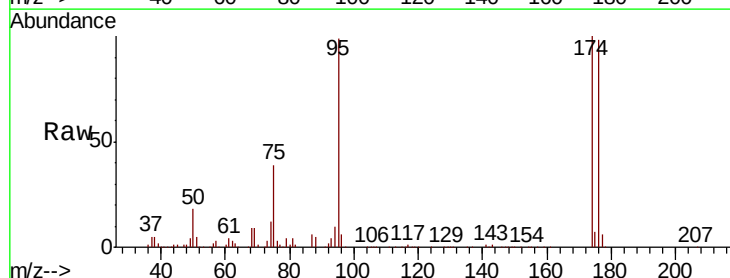
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

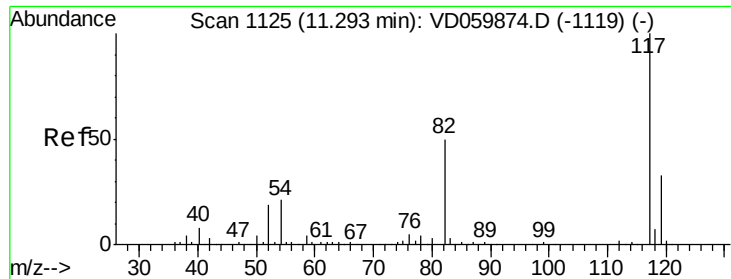
Tot Ion:107 Resp: 556943
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 53.92 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion: 95 Resp: 784614
 Ion Ratio Lower Upper
 95 100
 174 101.2 0.0 195.6
 176 99.3 0.0 191.2

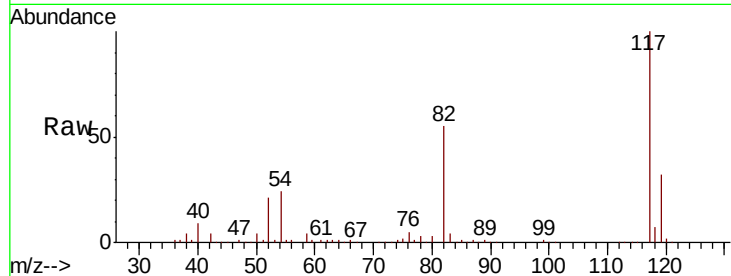




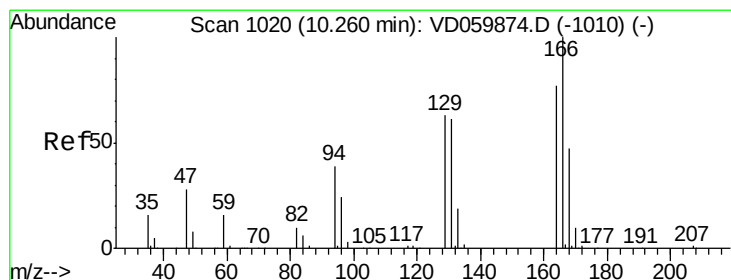
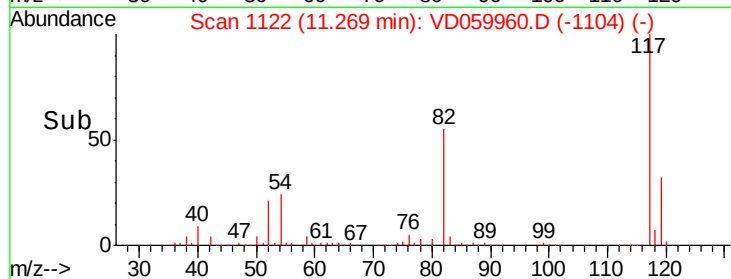
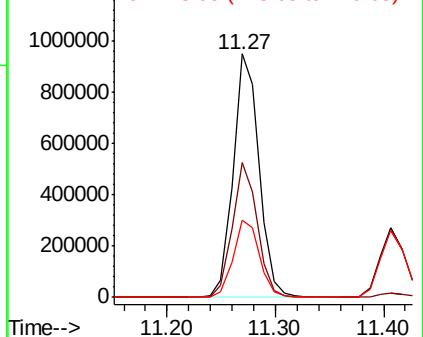
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1568059
Ion Ratio Lower Upper
117 100
82 55.3 40.1 60.1
119 32.0 26.7 40.1

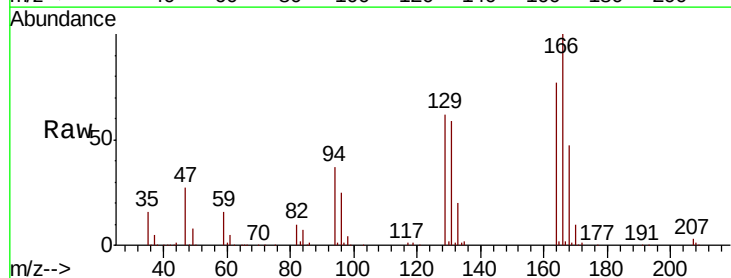


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

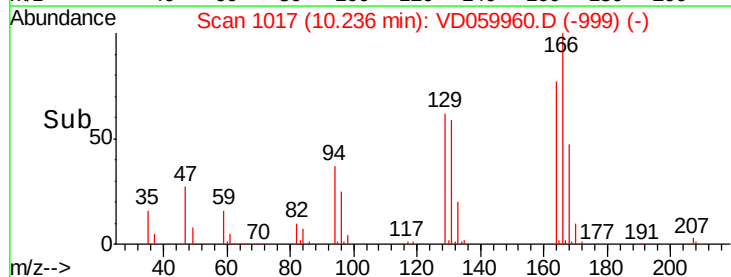
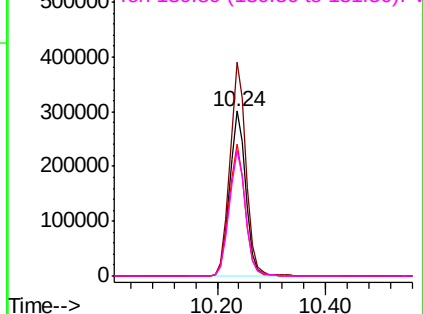


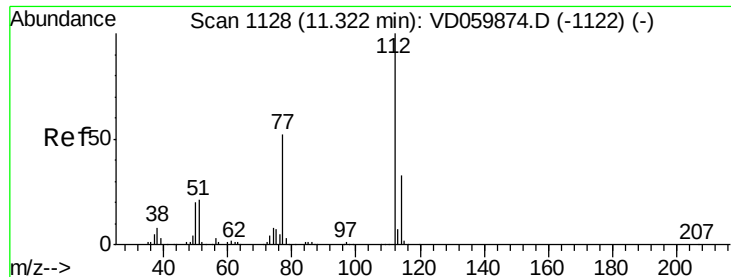
#64
Tetrachloroethene
Concen: 51.45 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion:164 Resp: 623773
Ion Ratio Lower Upper
164 100
166 129.7 103.4 155.2
129 80.1 65.2 97.8
131 76.1 63.1 94.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

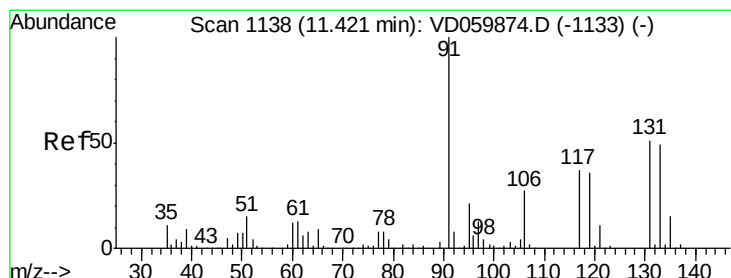
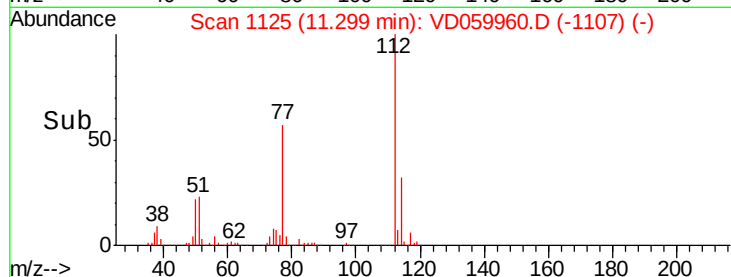
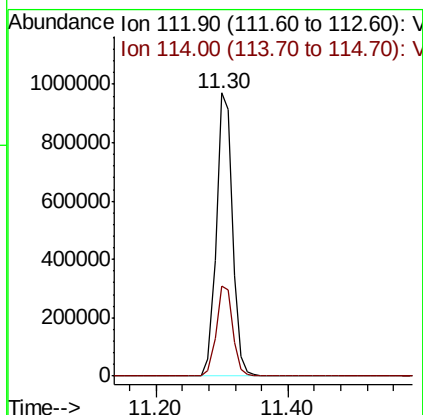
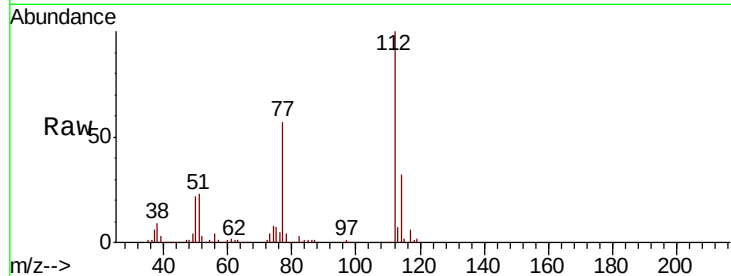




#65
Chlorobenzene
Concen: 53.04 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

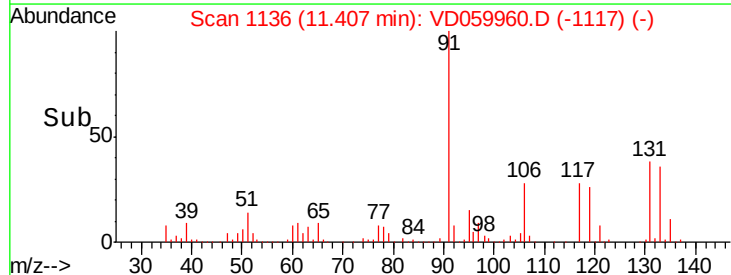
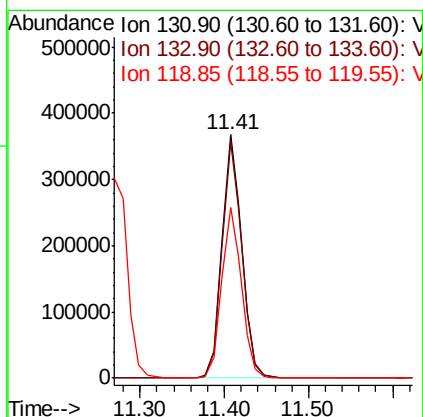
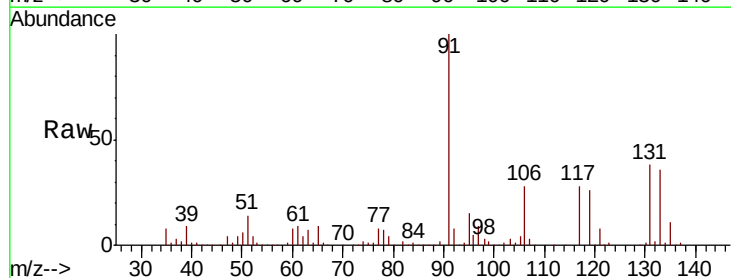
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

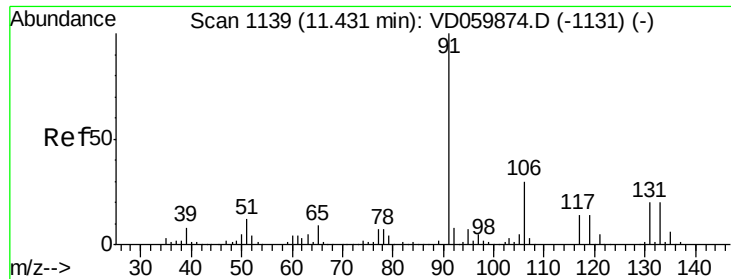
Tot Ion:112 Resp: 1652654
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.47 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion:131 Resp: 597357
Ion Ratio Lower Upper
131 100
133 96.9 48.3 144.8
119 70.2 35.4 106.3

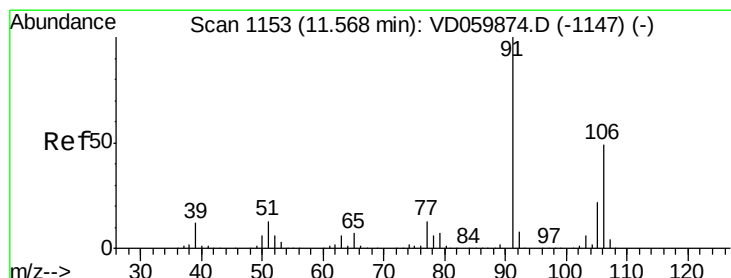
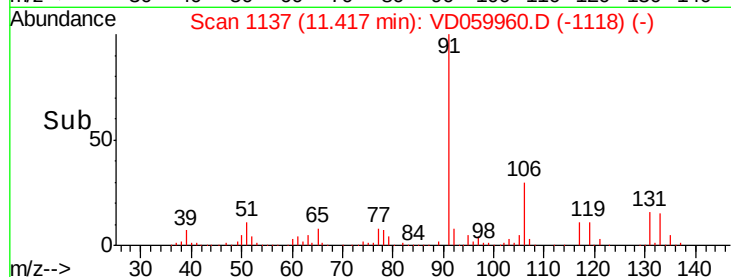
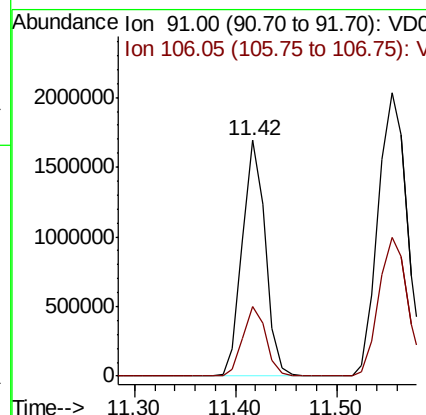
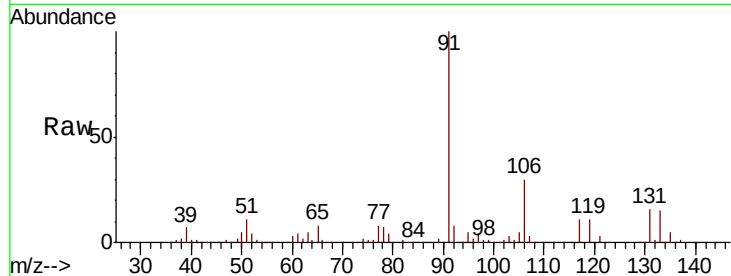




#67
Ethyl Benzene
Concen: 51.29 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

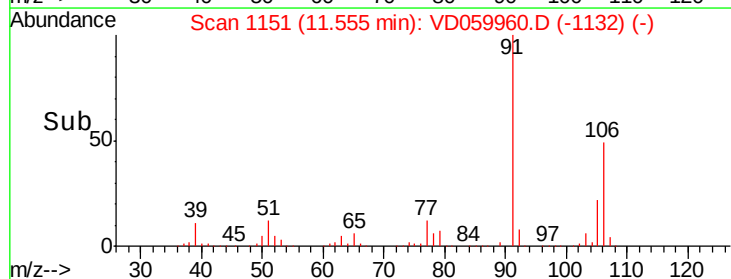
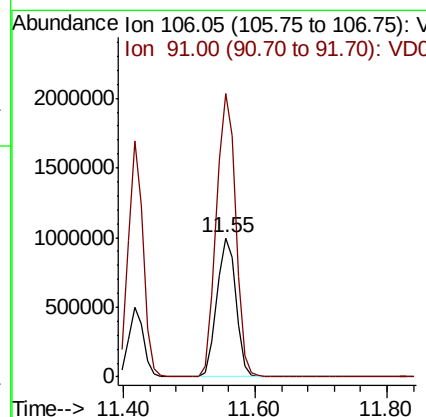
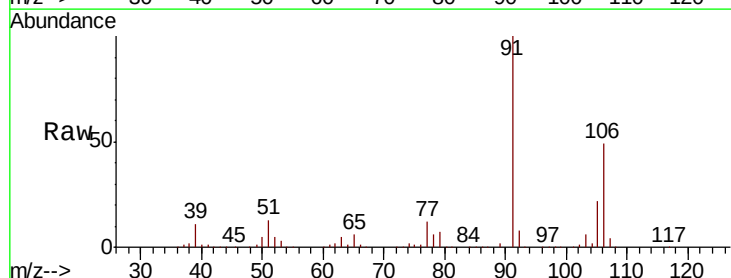
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

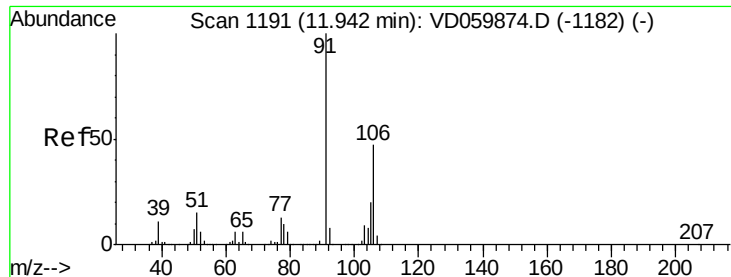
Tot Ion: 91 Resp: 2688886
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8



#68
m/p-Xylenes
Concen: 103.92 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion:106 Resp: 1983451
Ion Ratio Lower Upper
106 100
91 203.9 162.0 243.0

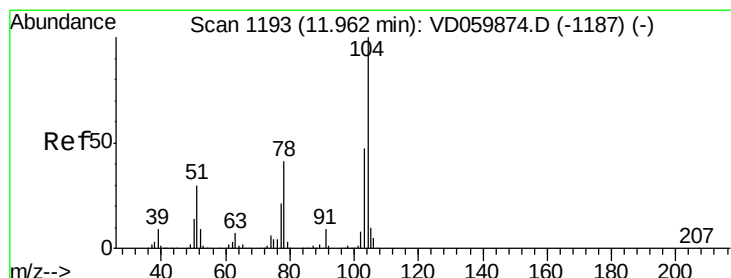
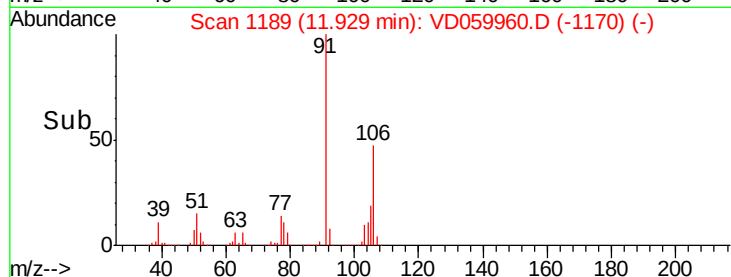
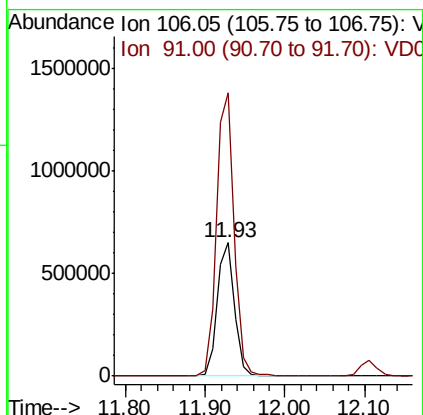
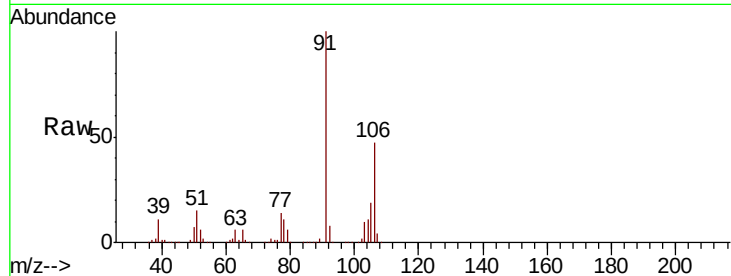




#69
o-Xylene
Concen: 53.22 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

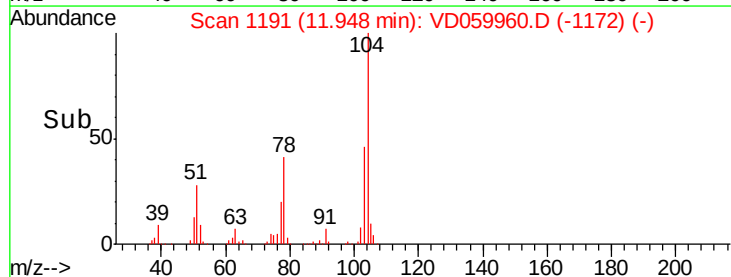
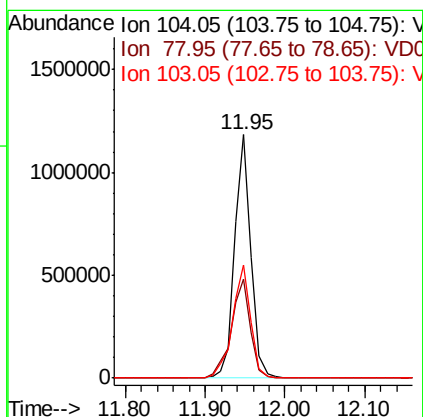
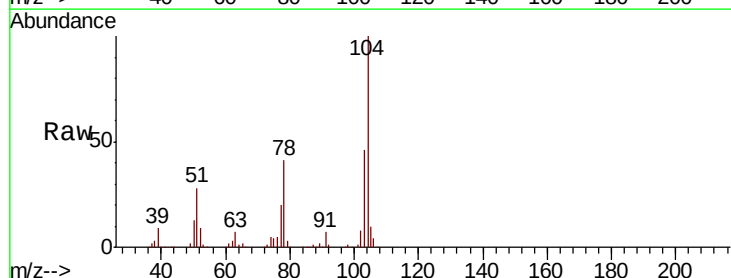
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

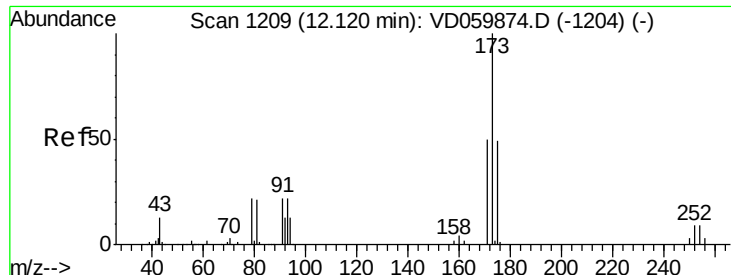
Tot Ion:106 Resp: 993497
Ion Ratio Lower Upper
106 100
91 212.3 107.3 322.0



#70
Styrene
Concen: 52.41 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion:104 Resp: 1693956
Ion Ratio Lower Upper
104 100
78 40.6 32.6 49.0
103 46.4 37.7 56.5

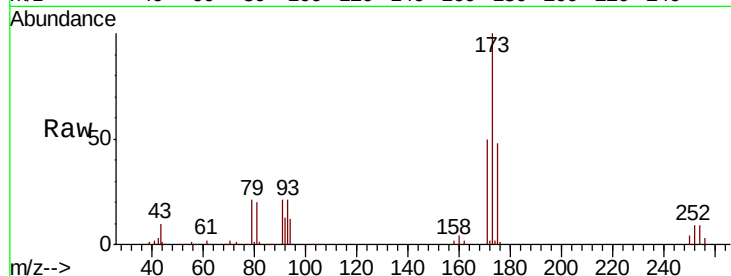




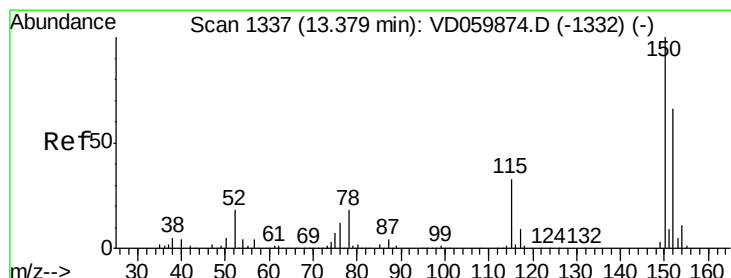
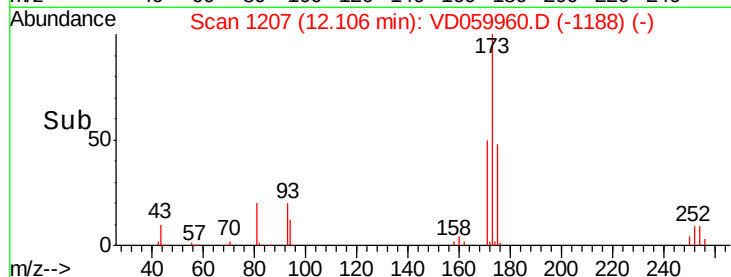
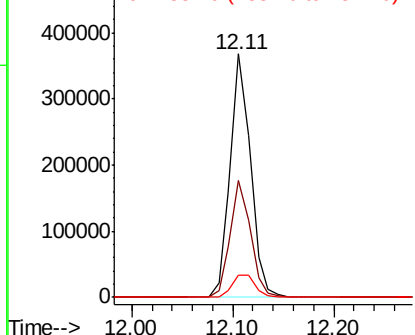
#71
Bromoform
Concen: 52.38 ug/l
RT: 12.11 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 515988
Ion Ratio Lower Upper
173 100
175 48.0 24.3 73.0
254 9.2 7.0 10.6

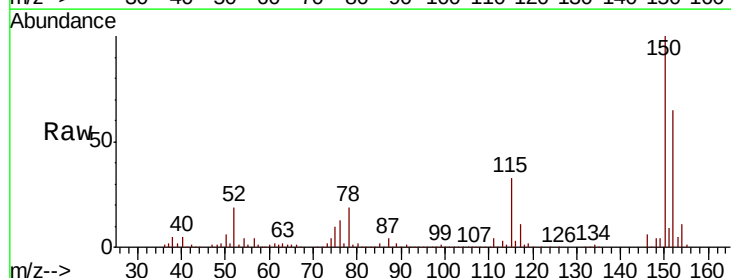


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

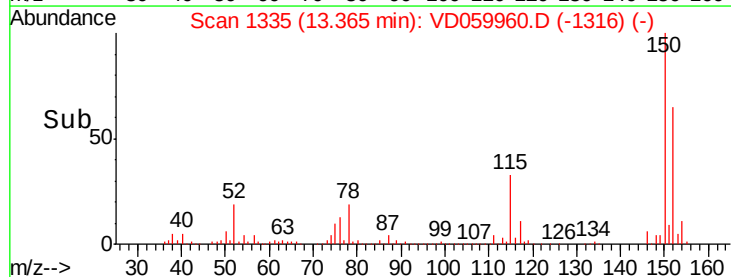
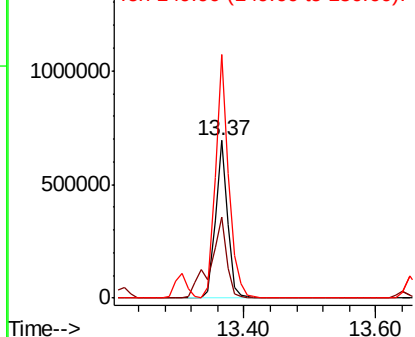


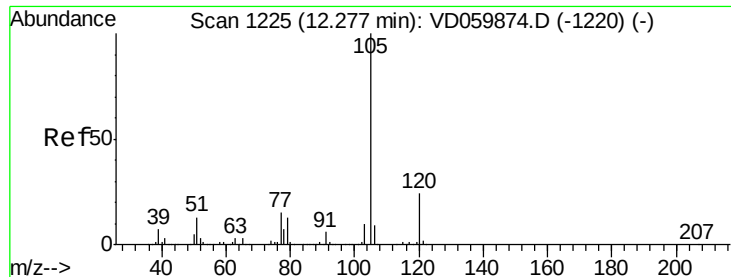
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion:152 Resp: 862904
Ion Ratio Lower Upper
152 100
115 51.2 25.7 77.0
150 154.4 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.64 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

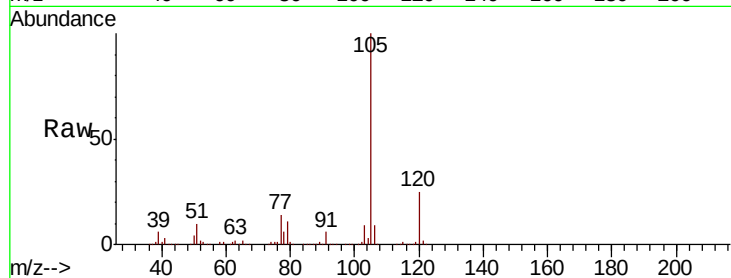
VSTDCCC050

Tot Ion:105 Resp: 2679099

Ion Ratio Lower Upper

105 100

120 24.7 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

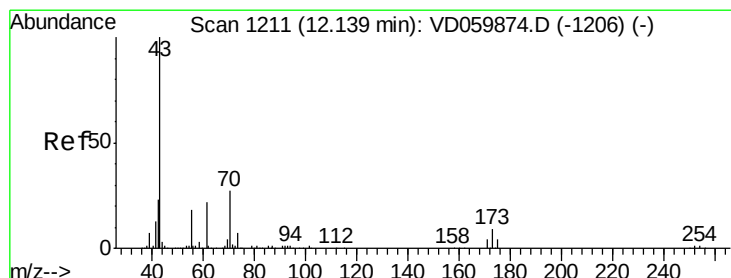
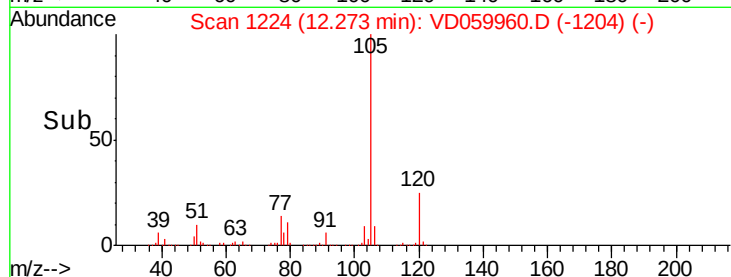
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 46.83 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Tgt Ion: 43 Resp: 1129562

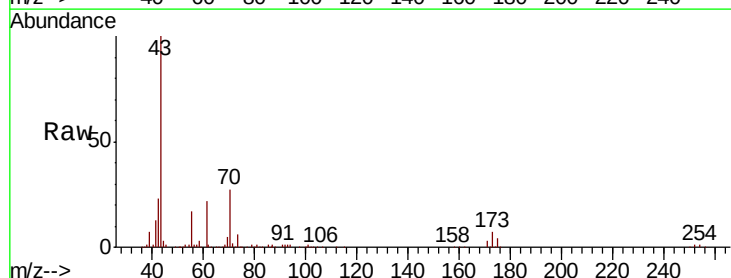
Ion Ratio Lower Upper

43 100

70 26.7 21.4 32.2

55 16.7 14.1 21.1

61 22.0 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

1200000

1000000

800000

600000

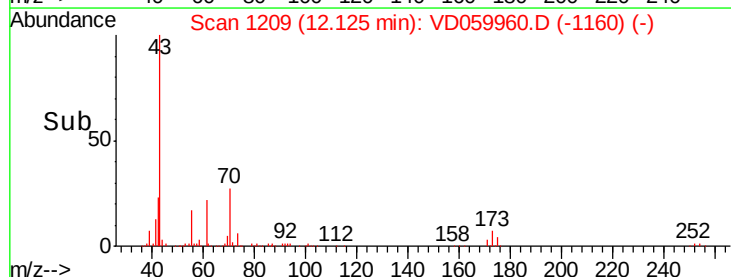
400000

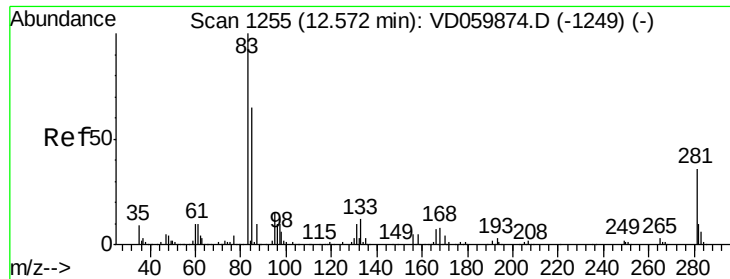
200000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.33 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

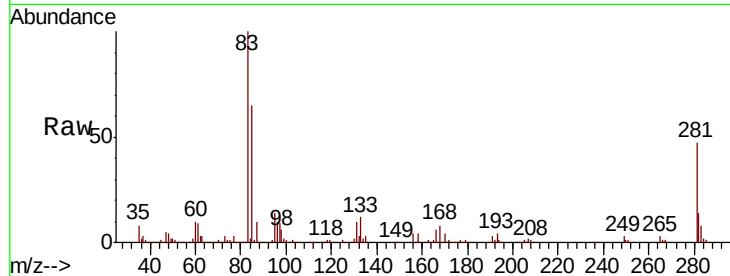
Tot Ion: 83 Resp: 666771

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

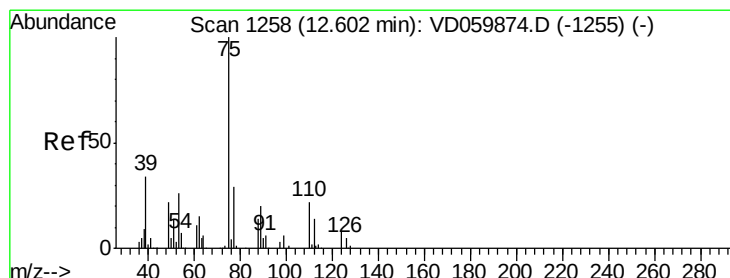
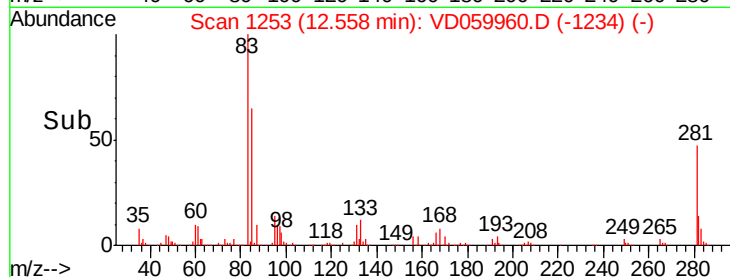
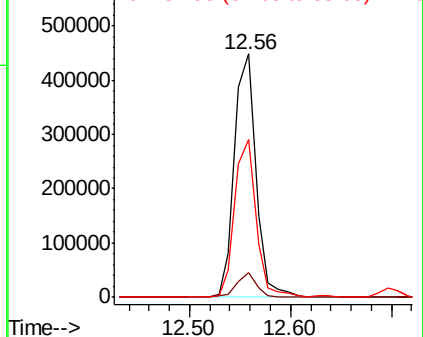
85 64.7 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.69 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059960.D

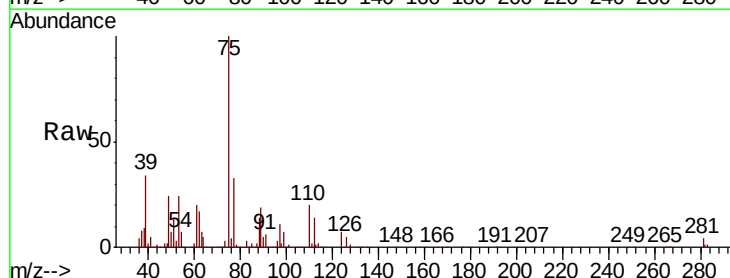
Acq: 5 Sep 2018 10:30

Tgt Ion: 75 Resp: 693306

Ion Ratio Lower Upper

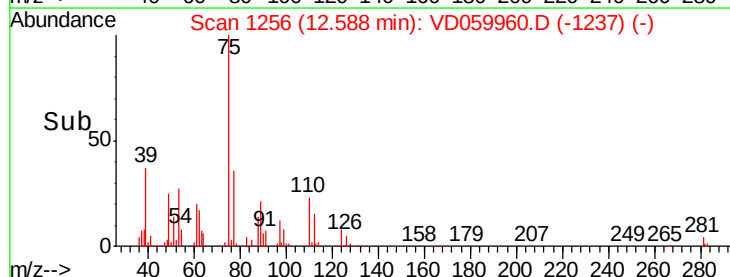
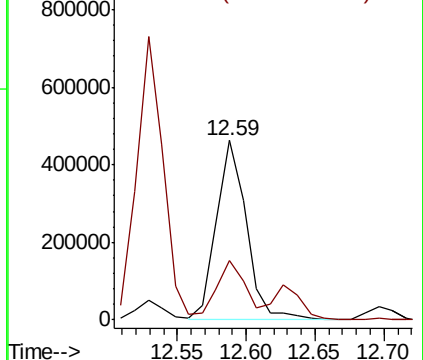
75 100

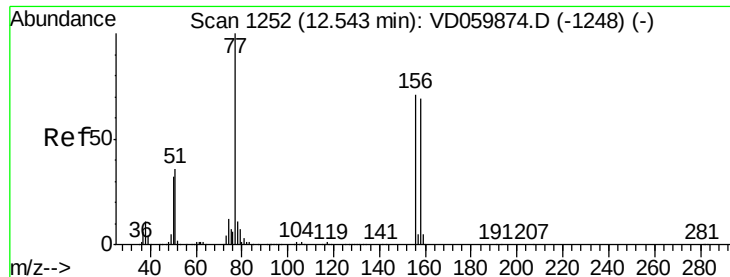
77 32.9 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.04 ug/l

RT: 12.53 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

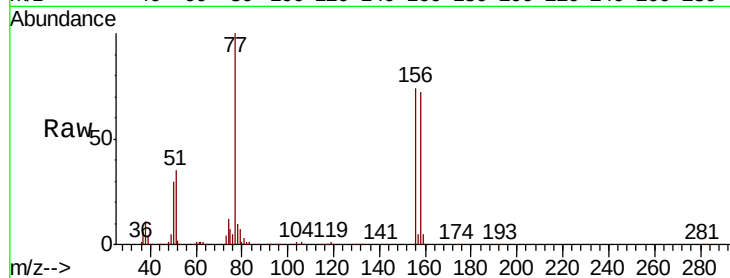
Tot Ion:156 Resp: 794742

Ion Ratio Lower Upper

156 100

77 135.6 70.2 210.4

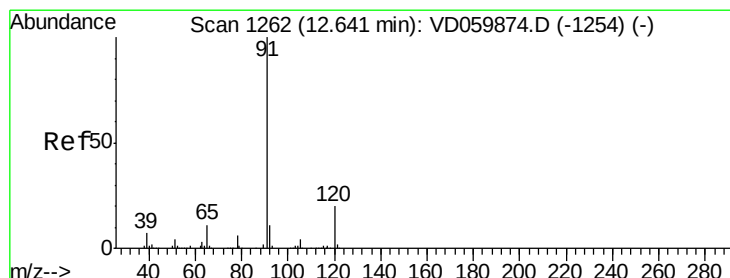
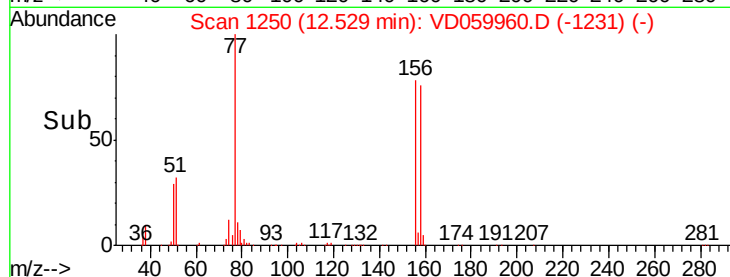
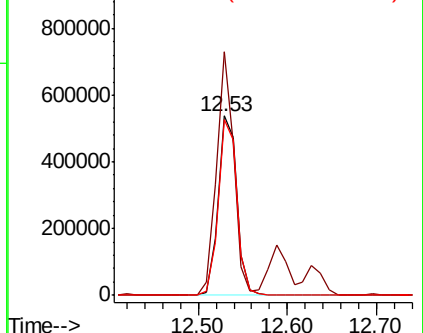
158 98.0 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.02 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD059960.D

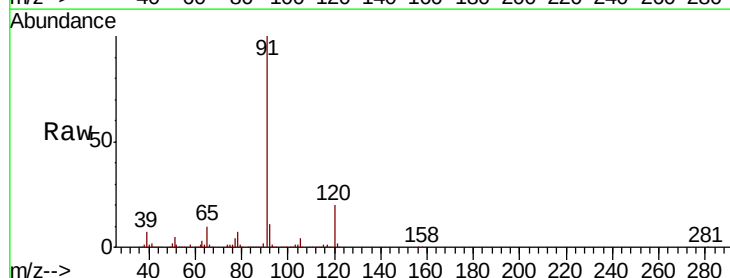
Acq: 5 Sep 2018 10:30

Tgt Ion: 91 Resp: 3488665

Ion Ratio Lower Upper

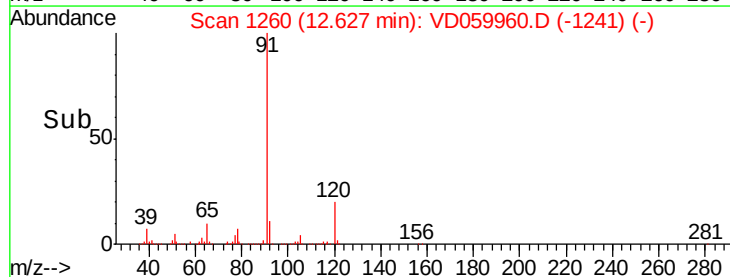
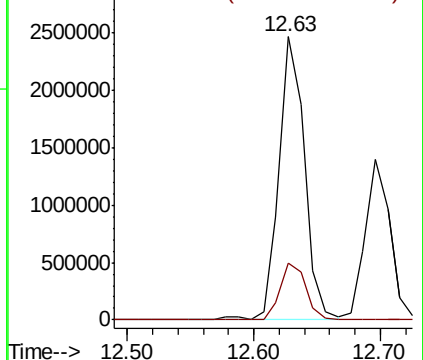
91 100

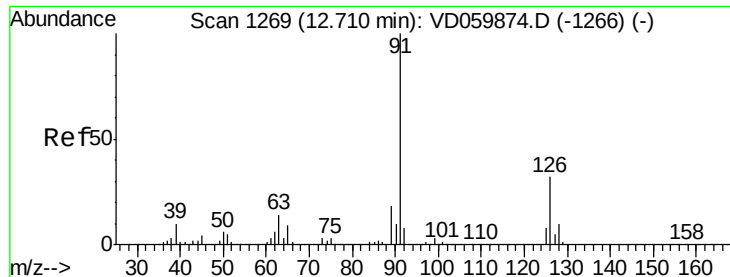
120 20.0 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

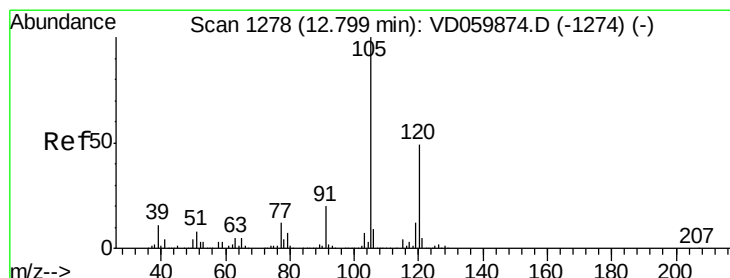
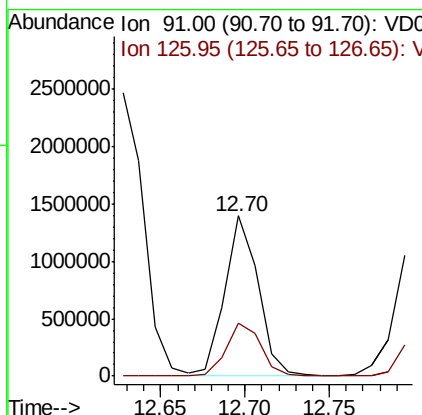
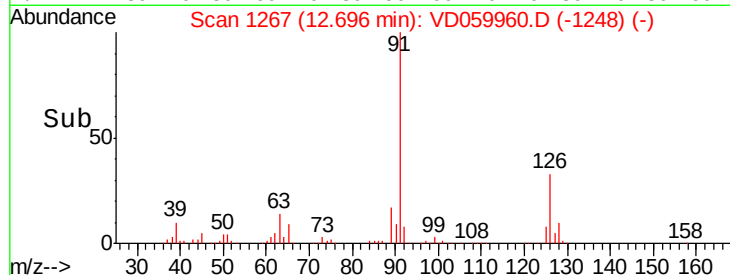
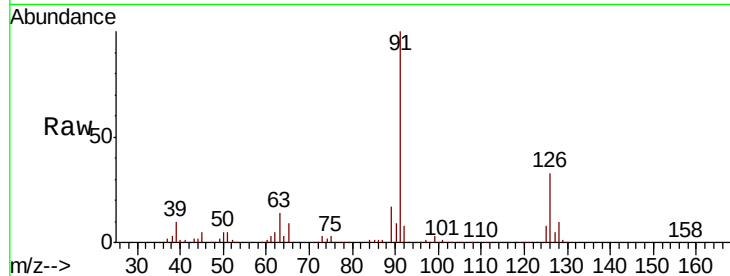




#79
 2-Chlorotoluene
 Concen: 48.85 ug/l
 RT: 12.70 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

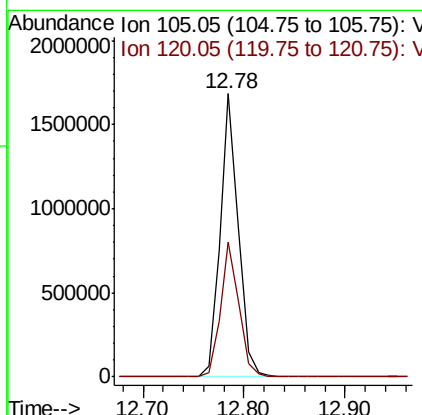
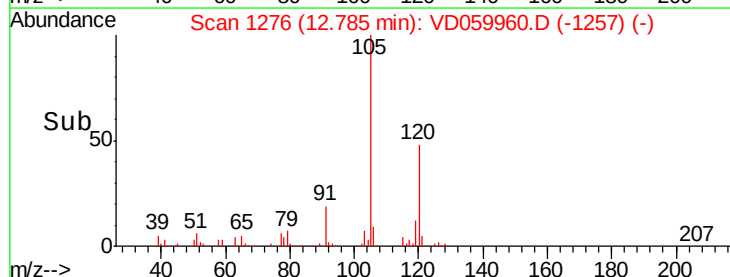
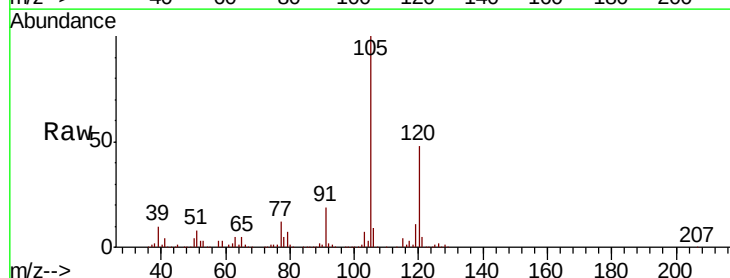
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

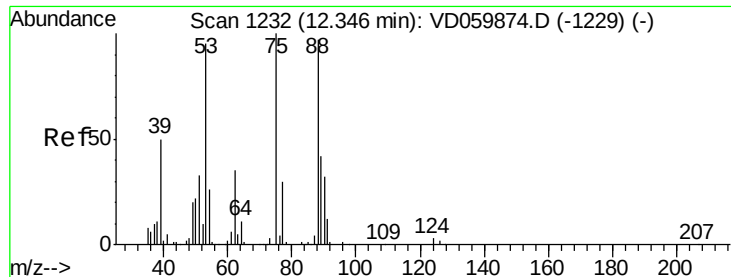
Tot Ion: 91 Resp: 1926759
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 48.30 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion:105 Resp: 2115406
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.81 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059960.D

Acq: 5 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

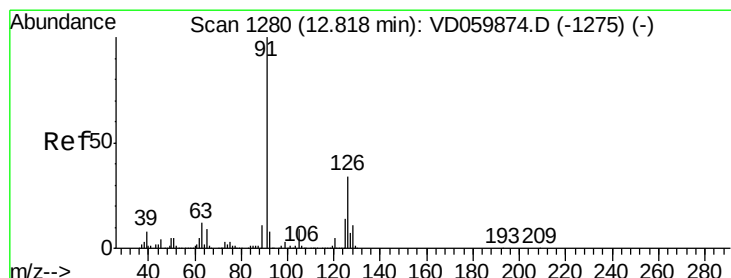
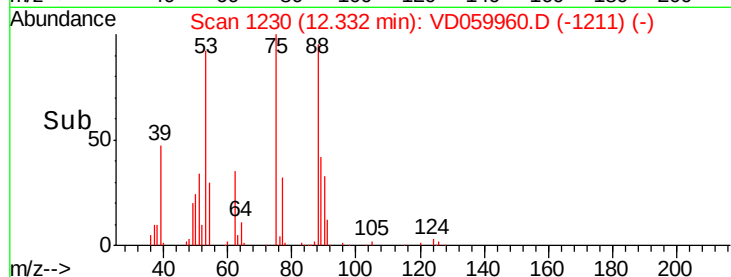
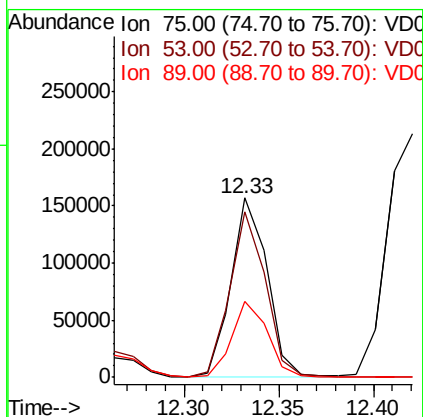
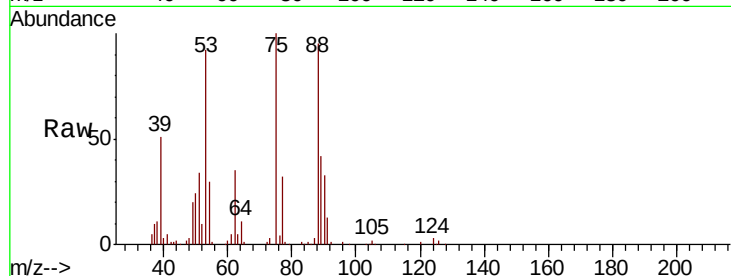
Tot Ion: 75 Resp: 207796

Ion Ratio Lower Upper

75 100

53 92.5 75.8 113.6

89 42.4 33.6 50.4



#82

4-Chlorotoluene

Concen: 47.35 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059960.D

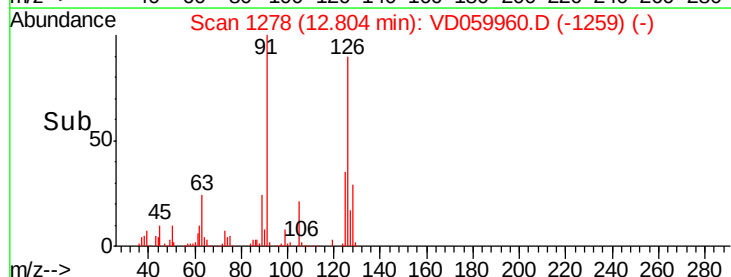
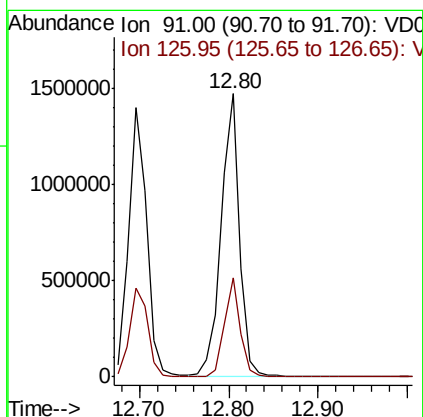
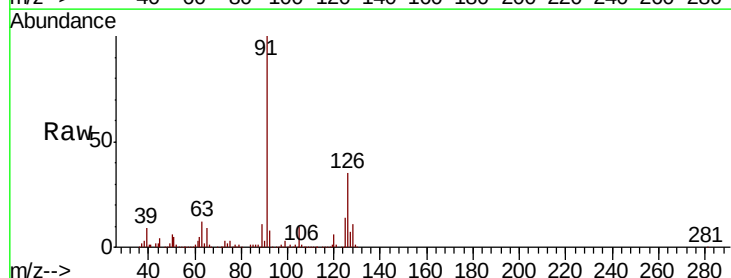
Acq: 5 Sep 2018 10:30

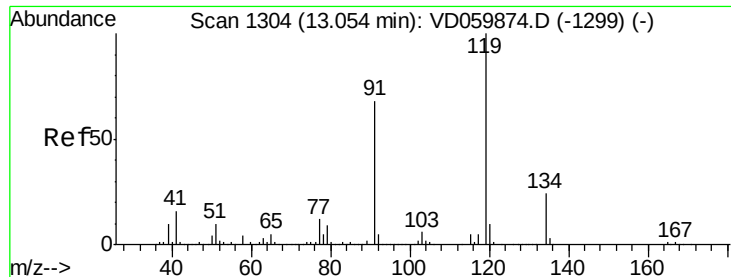
Tgt Ion: 91 Resp: 2130508

Ion Ratio Lower Upper

91 100

126 34.9 17.1 51.2

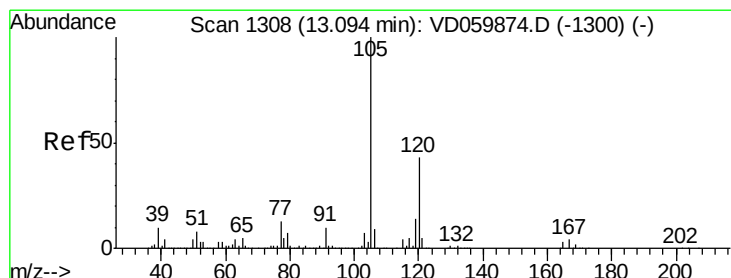
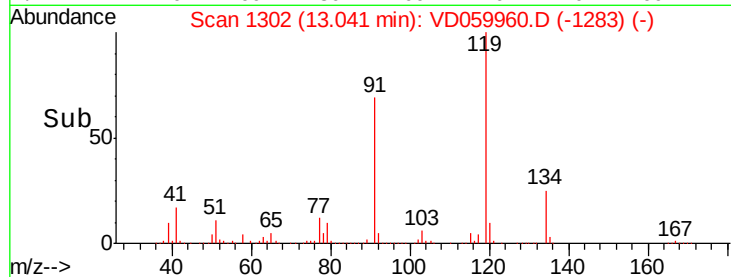
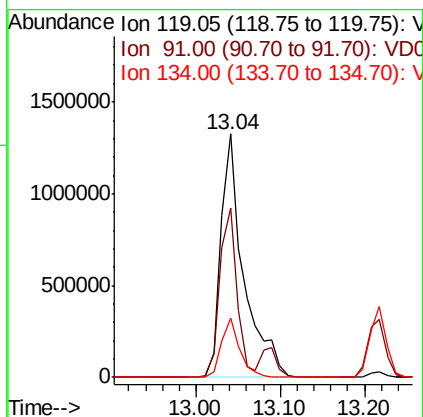
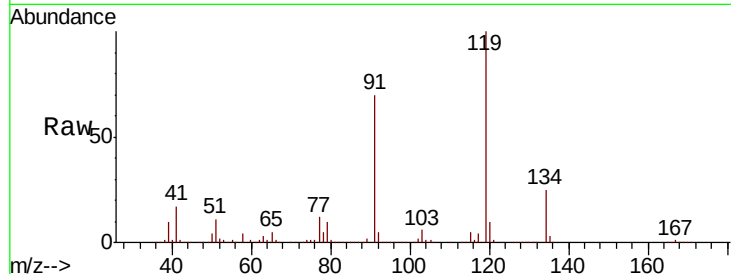




#83
 tert-Butylbenzene
 Concen: 50.25 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

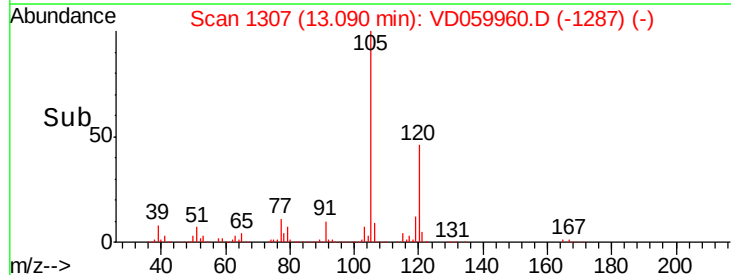
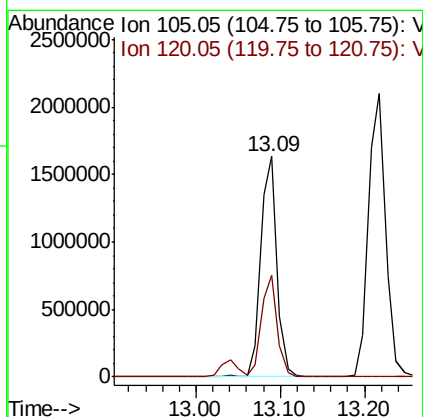
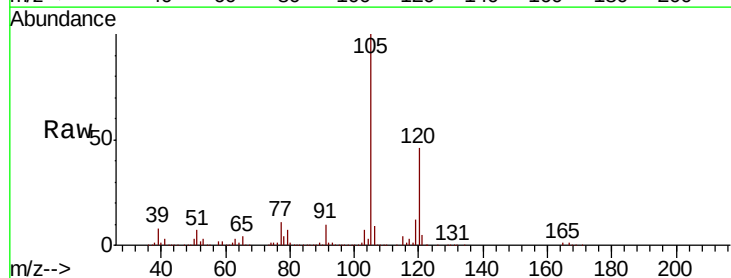
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

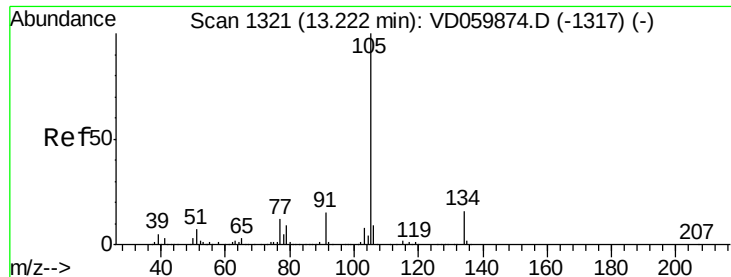
Tot Ion:119 Resp: 2506591
 Ion Ratio Lower Upper
 119 100
 91 69.6 34.3 102.9
 134 24.5 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.02 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion:105 Resp: 2237361
 Ion Ratio Lower Upper
 105 100
 120 46.3 21.8 65.3

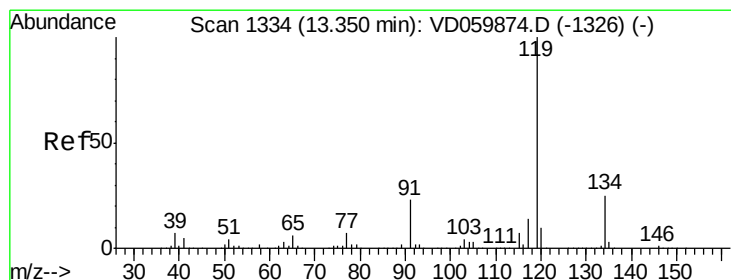
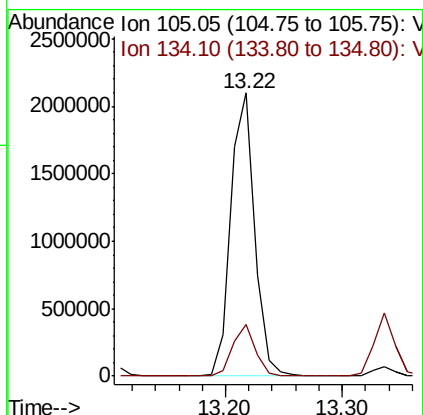
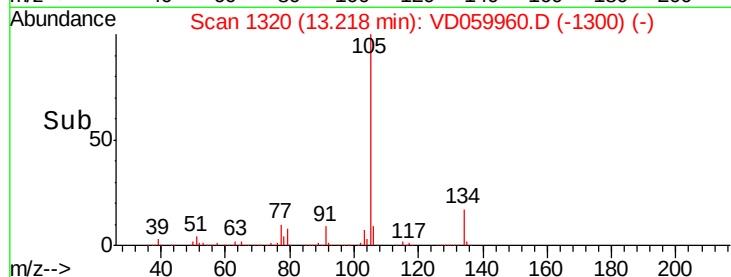
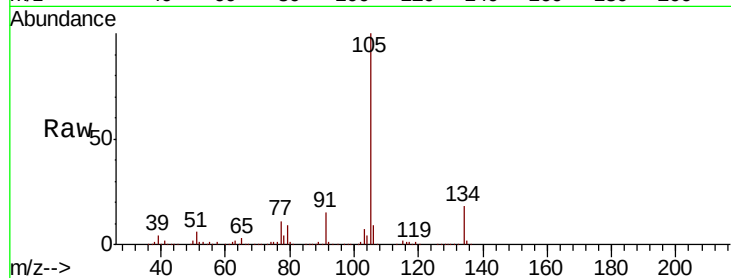




#85
 sec-Butylbenzene
 Concen: 50.52 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

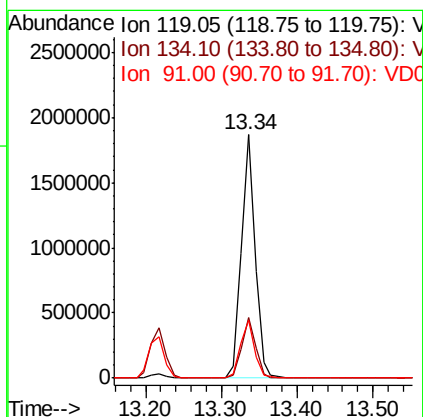
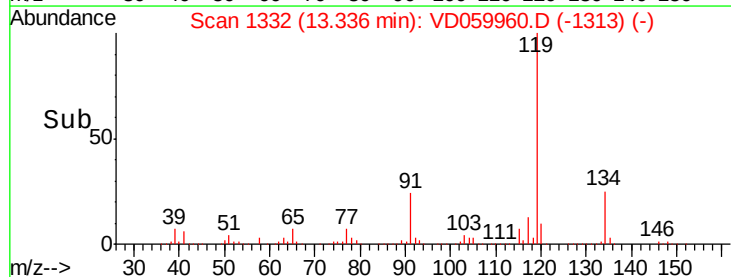
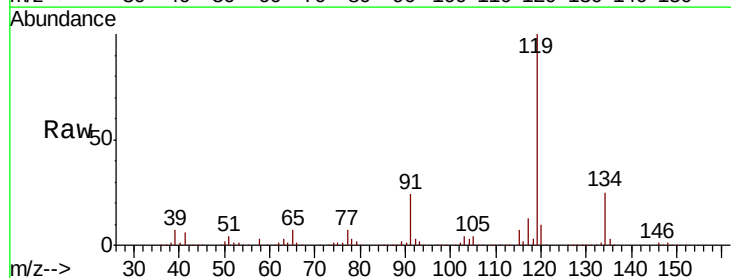
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

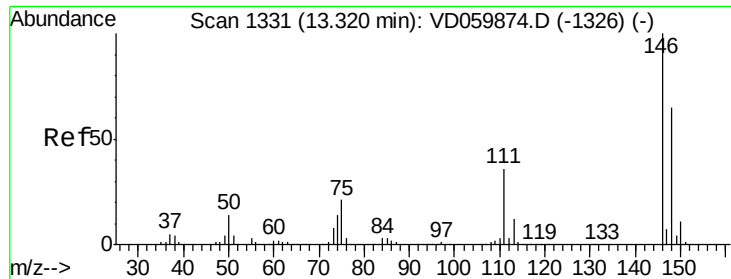
Tot Ion:105 Resp: 2963914
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 48.44 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion:119 Resp: 2311301
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.7 38.1
 91 23.9 11.7 35.0

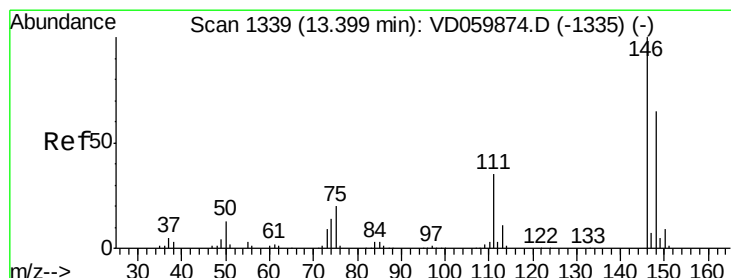
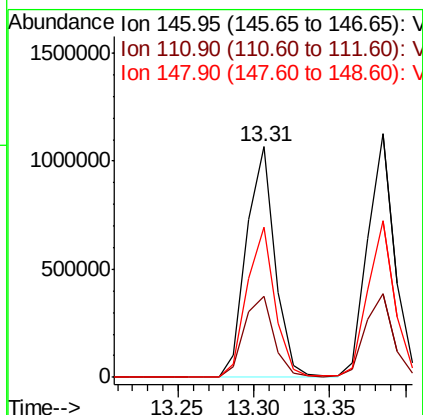
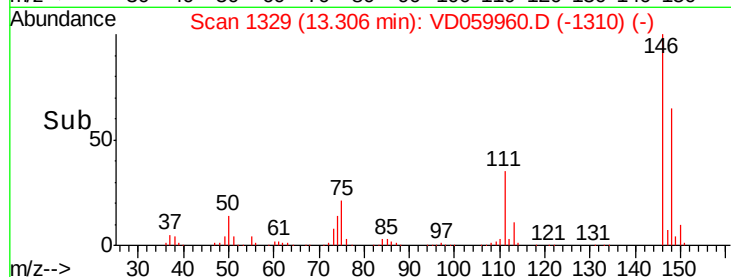
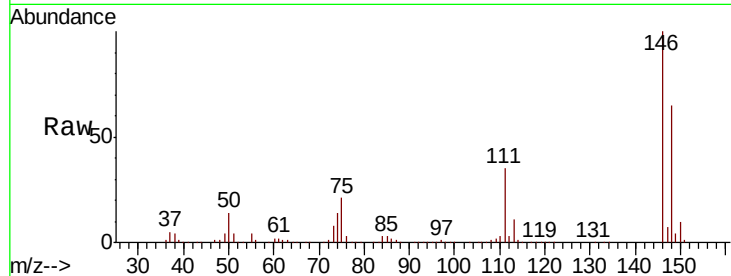




#87
 1,3-Dichlorobenzene
 Concen: 51.63 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

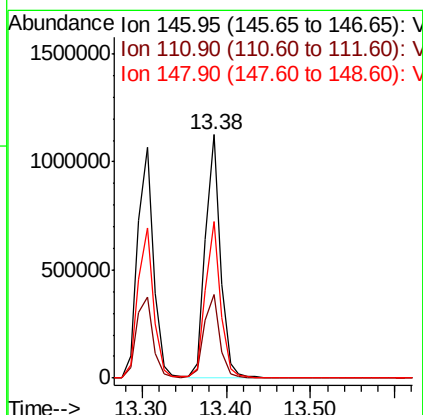
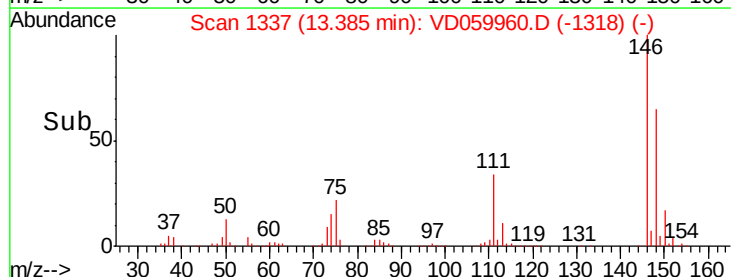
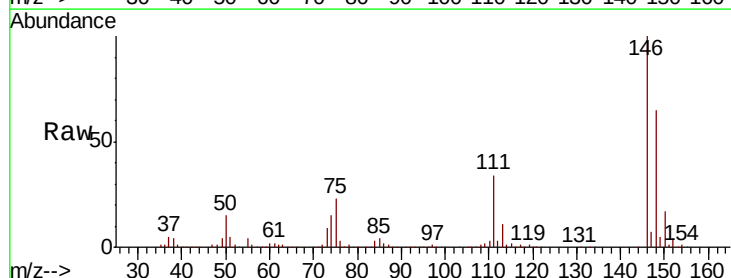
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

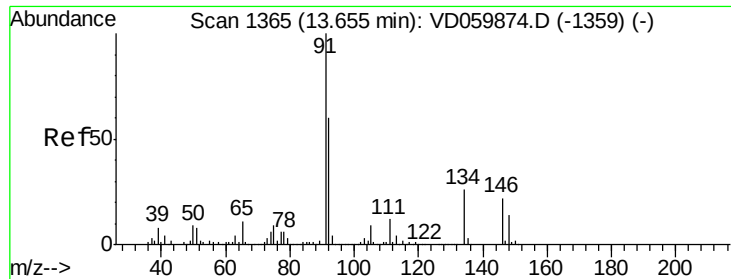
Tot Ion:146 Resp: 1407655
 Ion Ratio Lower Upper
 146 100
 111 35.0 17.9 53.7
 148 64.9 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 51.70 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion:146 Resp: 1406258
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.5 52.6
 148 64.5 32.5 97.5

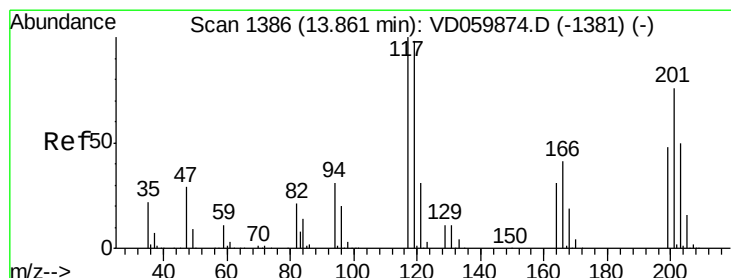
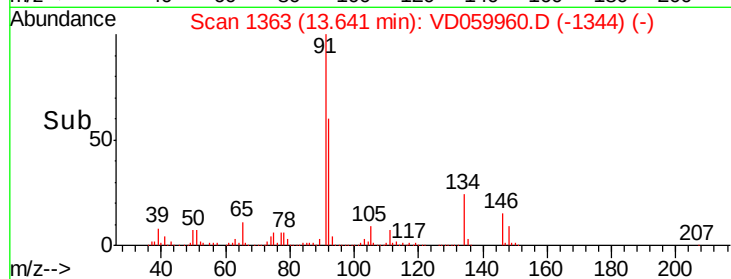
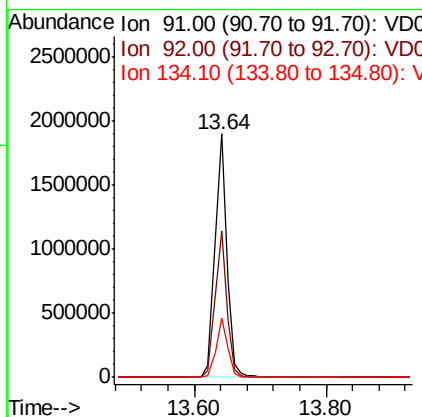
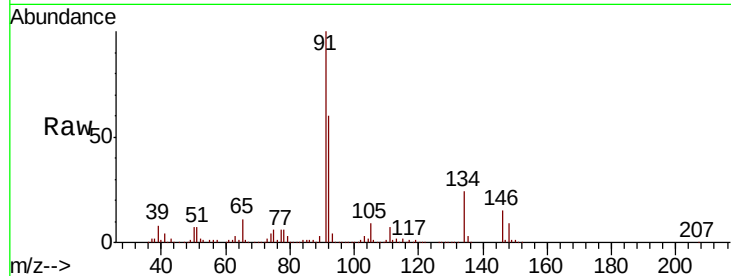




#89
n-Butylbenzene
Concen: 52.54 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

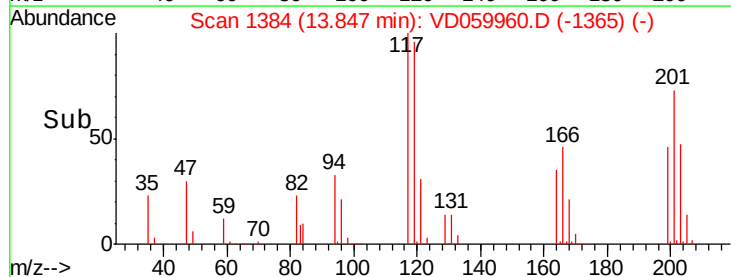
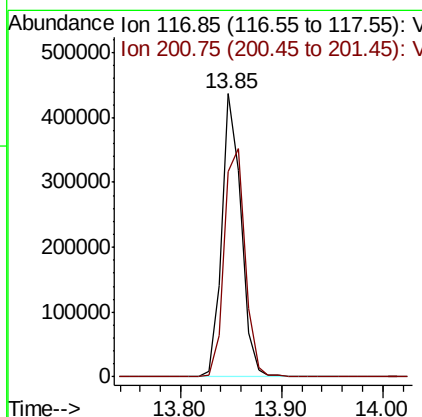
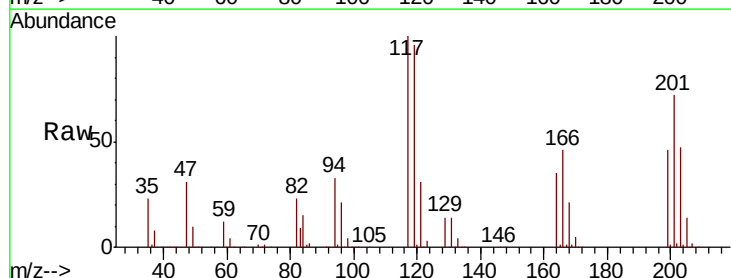
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

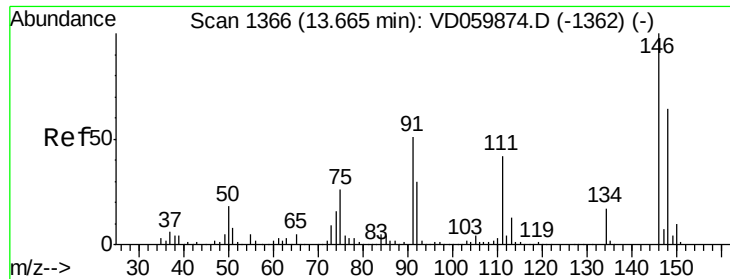
Tot Ion: 91 Resp: 2365776
Ion Ratio Lower Upper
91 100
92 60.3 30.0 90.1
134 24.1 12.8 38.4



#90
Hexachloroethane
Concen: 45.85 ug/l
RT: 13.85 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion: 117 Resp: 587395
Ion Ratio Lower Upper
117 100
201 72.3 38.1 114.5

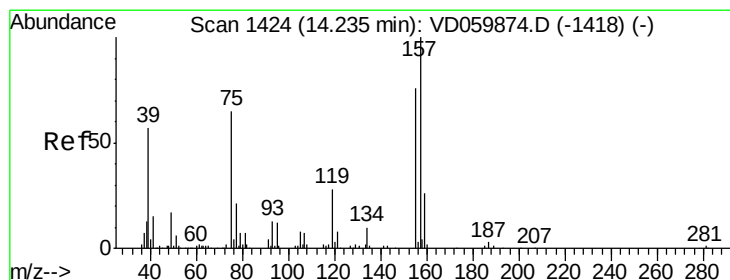
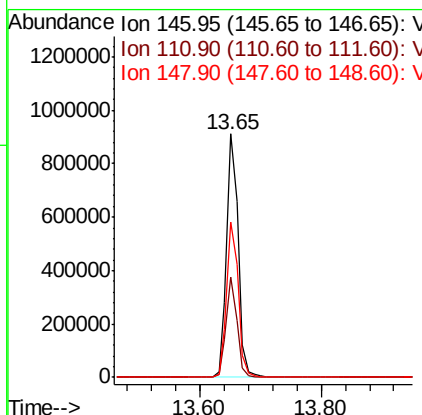
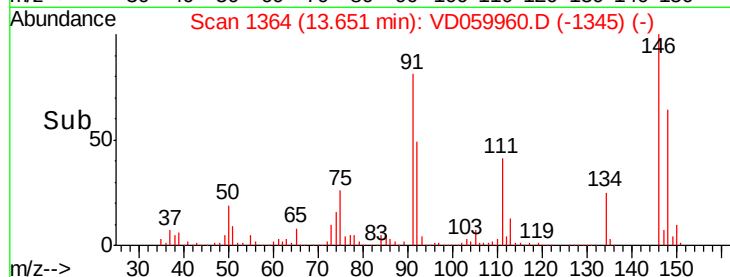
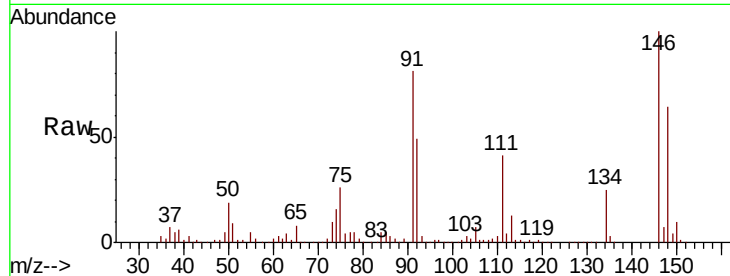




#91
 1,2-Dichlorobenzene
 Concen: 52.12 ug/l
 RT: 13.65 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

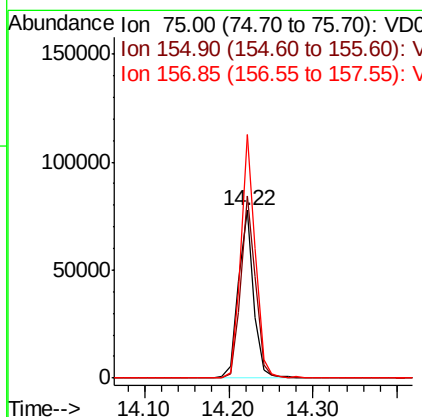
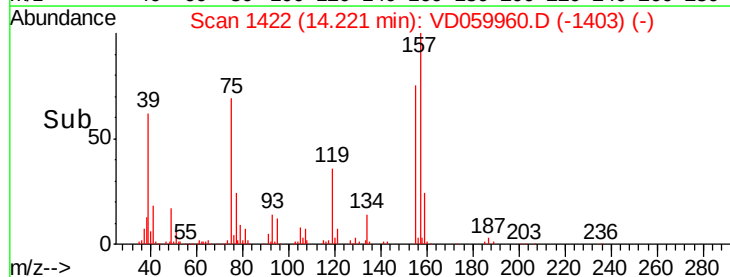
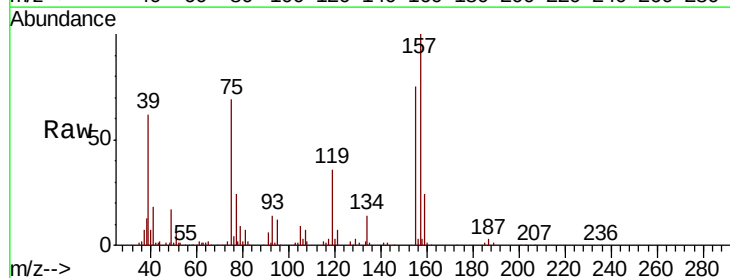
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

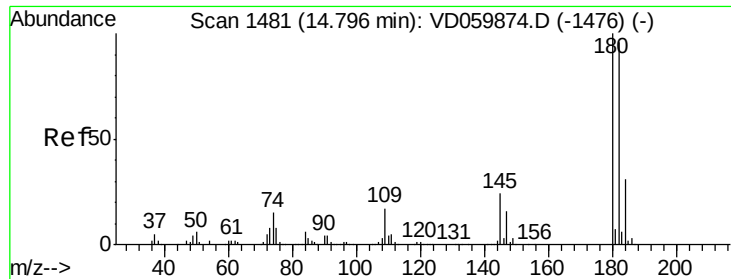
Tot Ion:146 Resp: 1208219
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.1 63.1
 148 63.8 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.50 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion: 75 Resp: 96958
 Ion Ratio Lower Upper
 75 100
 155 108.6 58.2 174.6
 157 144.9 76.8 230.4

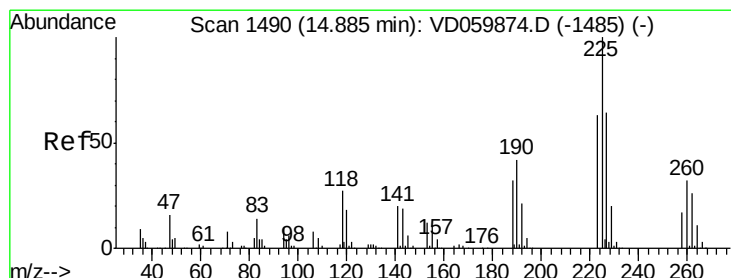
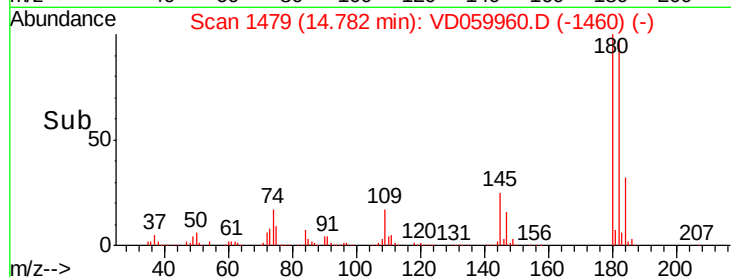
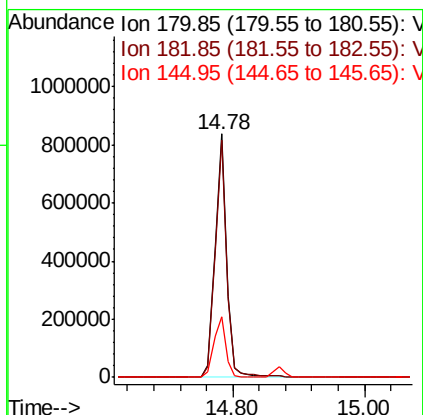
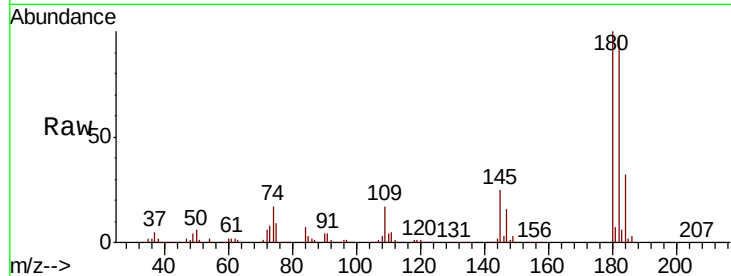




#93
 1,2,4-Trichlorobenzene
 Concen: 51.26 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

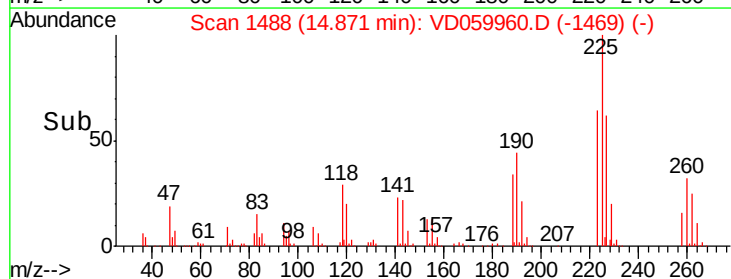
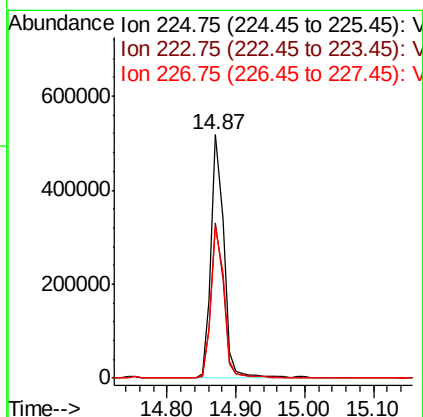
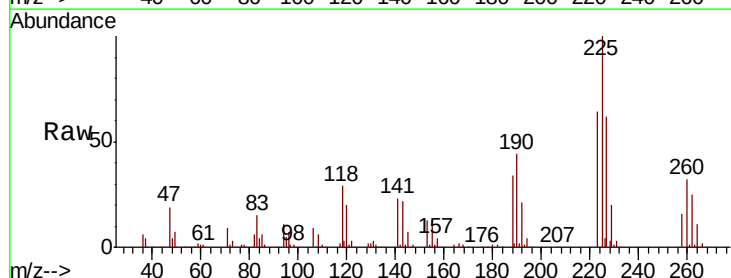
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

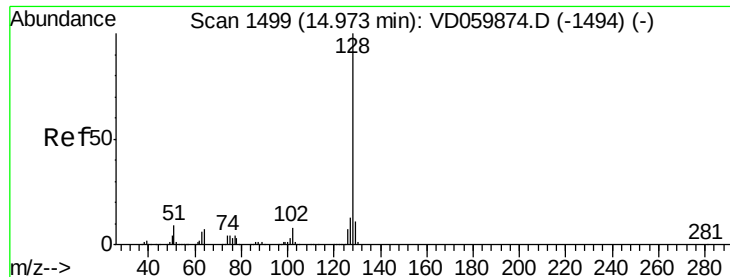
Tot Ion:180 Resp: 1017439
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.9 143.7
 145 24.7 12.2 36.4



#94
 Hexachlorobutadiene
 Concen: 52.14 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059960.D
 Acq: 5 Sep 2018 10:30

Tgt Ion:225 Resp: 678446
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.6 94.8
 227 62.5 32.0 96.0

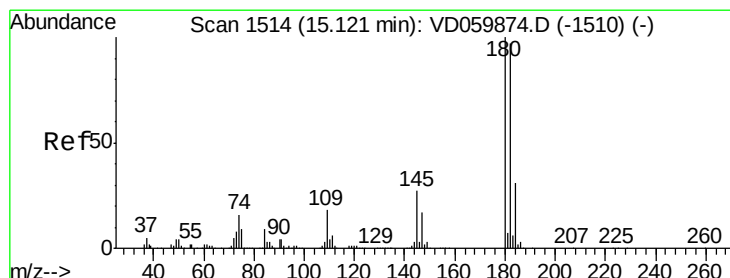
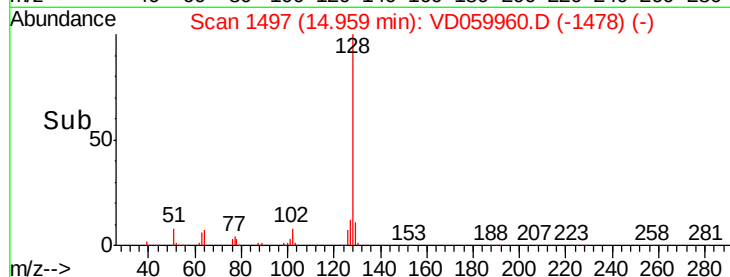
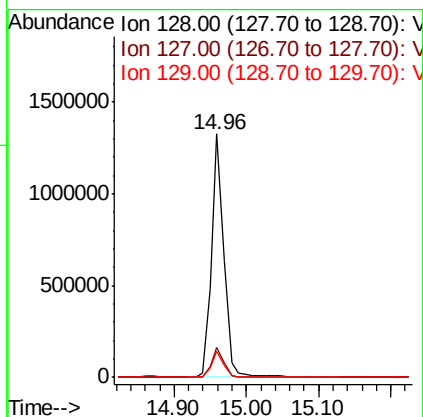
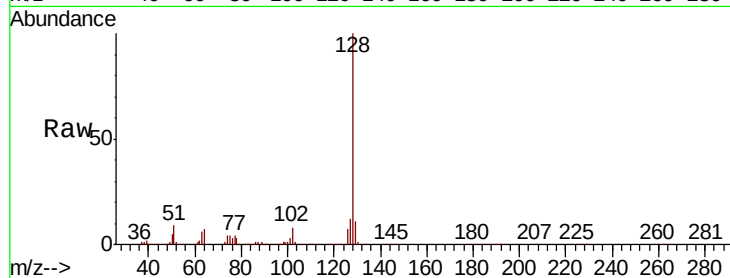




#95
Naphthalene
Concen: 51.95 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1576018
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.31 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD059960.D
Acq: 5 Sep 2018 10:30

Tgt Ion:180 Resp: 888040
Ion Ratio Lower Upper
180 100
182 95.0 48.6 145.8
145 26.4 13.6 40.8

