

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062273.D
 Acq On : 12 May 2019 22:41
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 13 03:15:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	649565	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	896988	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	723919	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	406897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	326062	54.02	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	6.93	113	380775	51.16	ug/l	0.04
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.42	98	789920	44.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.04%	
62) 4-Bromofluorobenzene	13.56	95	358721	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	312825	50.354	ug/l	99
3) Chloromethane	1.75	50	196638	43.804	ug/l	99
4) Vinyl Chloride	1.84	62	190233	43.120	ug/l	93
5) Bromomethane	2.15	94	82729	80.029	ug/l	90
6) Chloroethane	2.27	64	111548	60.257	ug/l	97
7) Trichlorofluoromethane	2.53	101	499131	58.194	ug/l	97
8) Diethyl Ether	2.88	74	69563	42.053	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.15	101	331422	51.080	ug/l	98
10) Methyl Iodide	3.31	142	442373	45.112	ug/l #	89
11) Tert butyl alcohol	4.07	59	71461	231.918	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	244136	49.292	ug/l	84
13) Acrolein	3.04	56	64197	201.434	ug/l	94
14) Allyl chloride	3.62	41	327017	45.411	ug/l #	79
15) Acrylonitrile	4.20	53	185876	229.503	ug/l #	88
16) Acetone	3.22	43	315962	249.592	ug/l #	84
17) Carbon Disulfide	3.38	76	636065	44.643	ug/l	98
18) Methyl Acetate	3.65	43	103402	45.644	ug/l	92
19) Methyl tert-butyl Ether	4.25	73	545070	51.344	ug/l	97
20) Methylene Chloride	3.81	84	245961	46.534	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	272987	49.532	ug/l	94
22) Diisopropyl ether	5.12	45	776920	50.698	ug/l	92
23) Vinyl Acetate	5.06	43	2148546	265.735	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	477122	51.611	ug/l	99
25) 2-Butanone	6.08	43	342207	247.831	ug/l	96
26) 2,2-Dichloropropane	6.03	77	475830	51.672	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	303290	49.163	ug/l	97
28) Bromochloromethane	6.44	49	217125	59.696	ug/l	84
29) Tetrahydrofuran	6.46	42	153031	240.531	ug/l	97
30) Chloroform	6.67	83	628639	56.424	ug/l	99
31) Cyclohexane	6.96	56	294145	46.442	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	587437	55.783	ug/l	99
36) 1,1-Dichloropropene	7.16	75	395297	53.749	ug/l	96
37) Ethyl Acetate	6.18	43	155552	49.874	ug/l #	92
38) Carbon Tetrachloride	7.12	117	649766	63.833	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	341909	48.522	ug/l	95
40) Benzene	7.46	78	864687	52.067	ug/l	97
41) Methacrylonitrile	6.45	41	201341	52.825	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	403028	57.279	ug/l	92
43) Isopropyl Acetate	9.25	43	209581	47.381	ug/l	89
44) Trichloroethene	8.55	130	335171	52.964	ug/l	78
45) 1,2-Dichloropropane	8.94	63	214616	52.246	ug/l	96
46) Dibromomethane	9.07	93	185837	55.633	ug/l	92
47) Bromodichloromethane	9.38	83	470399	57.571	ug/l	99
48) Methyl methacrylate	9.13	41	136943	50.262	ug/l #	83
49) 1,4-Dioxane	9.09	88	28596	972.752	ug/l	93
51) 4-Methyl-2-Pentanone	10.31	43	733336	257.912	ug/l	92
52) Toluene	10.51	92	551859	51.073	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	379569	53.749	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	404028	52.444	ug/l #	89
55) 1,1,2-Trichloroethane	11.19	97	203683	53.276	ug/l	96
56) Ethyl methacrylate	11.05	69	209221	52.663	ug/l #	84
57) 1,3-Dichloropropane	11.41	76	314344	54.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	587325	270.643	ug/l	97
59) 2-Hexanone	11.54	43	554778	264.727	ug/l	91
60) Dibromochloromethane	11.69	129	349002	52.821	ug/l	100
61) 1,2-Dibromoethane	11.81	107	234045	50.353	ug/l	99
64) Tetrachloroethene	11.26	164	294785	52.075	ug/l	97
65) Chlorobenzene	12.40	112	692883	51.389	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	319017	54.365	ug/l	88
67) Ethyl Benzene	12.53	91	1144479	50.701	ug/l	95
68) m/p-Xylenes	12.67	106	806012	98.144	ug/l	86
69) o-Xylene	13.05	106	379097	49.652	ug/l	84
70) Styrene	13.07	104	680224	52.592	ug/l #	92
71) Bromoform	13.24	173	223205	54.672	ug/l #	96
73) Isopropylbenzene	13.41	105	1201553	49.263	ug/l	97
74) N-amyl acetate	13.27	43	316056	49.424	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	212869	46.101	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	222112	45.932	ug/l	98
77) Bromobenzene	13.67	156	352165	51.578	ug/l	94
78) n-propylbenzene	13.78	91	1311906	45.090	ug/l	97
79) 2-Chlorotoluene	13.84	91	910550	54.644	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	1038578	50.566	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	60298	44.170	ug/l #	70
82) 4-Chlorotoluene	13.95	91	1025929	52.320	ug/l	85
83) tert-Butylbenzene	14.20	119	1145985	49.641	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1063284	51.589	ug/l	93
85) sec-Butylbenzene	14.37	105	1246260	49.237	ug/l	99
86) p-Isopropyltoluene	14.49	119	1105174	48.871	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	612945	49.142	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	602101	49.129	ug/l	99
89) n-Butylbenzene	14.81	91	1052227	51.839	ug/l	96
90) Hexachloroethane	15.01	117	318417	51.777	ug/l	80
91) 1,2-Dichlorobenzene	14.82	146	526161	51.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	41378	54.591	ug/l	78

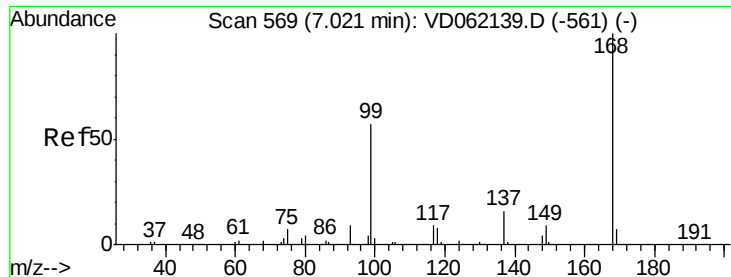
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	410872	54.953	ug/l	98
94) Hexachlorobutadiene	16.05	225	321784	57.865	ug/l	98
95) Naphthalene	16.12	128	540968	51.825	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	313556	66.701	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

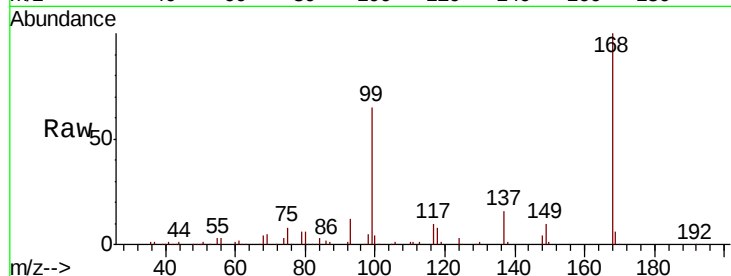
VSTDCCC050

Tot Ion:168 Resp: 649565

Ion Ratio Lower Upper

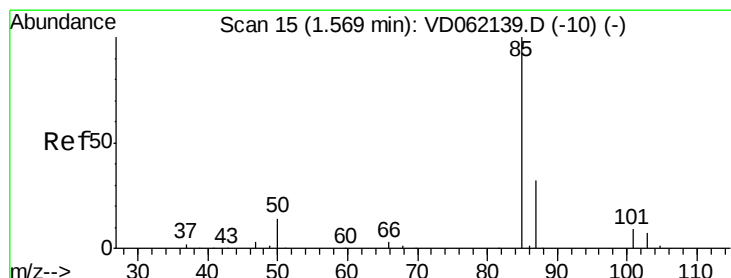
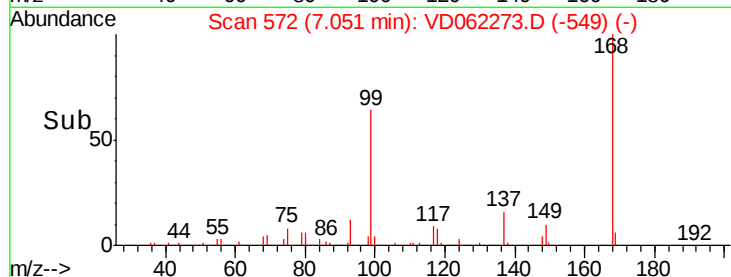
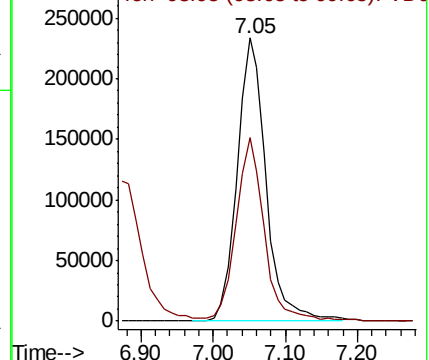
168 100

99 65.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.354 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062273.D

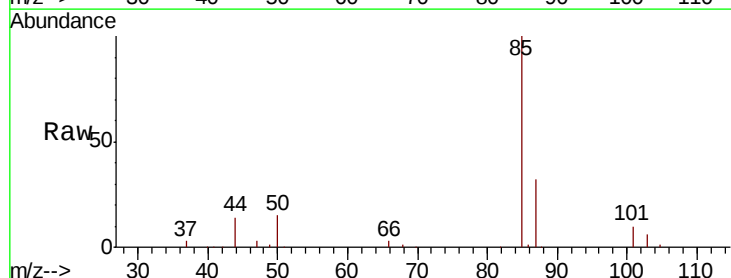
Acq: 12 May 2019 22:41

Tgt Ion: 85 Resp: 312825

Ion Ratio Lower Upper

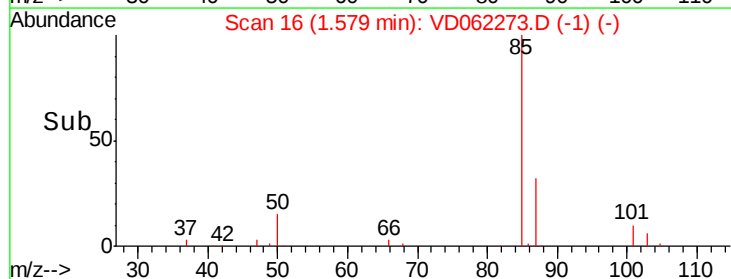
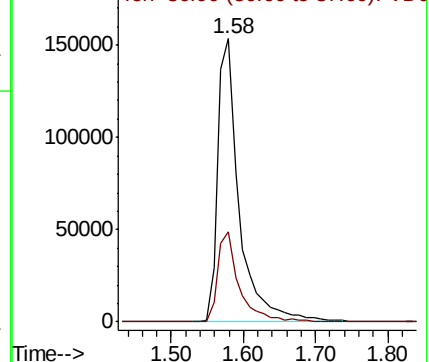
85 100

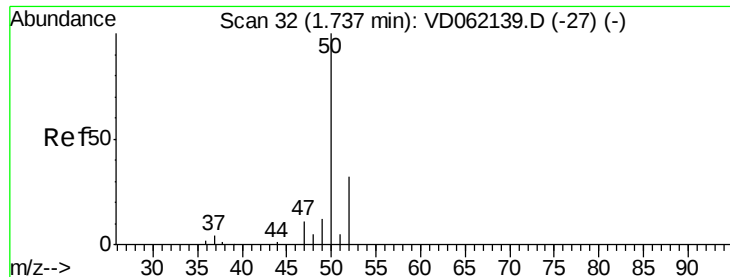
87 31.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.804 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

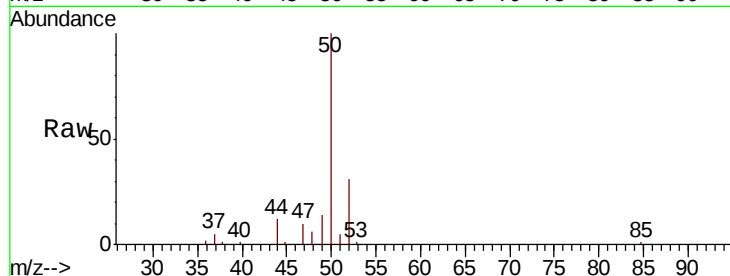
VSTDCCC050

Tot Ion: 50 Resp: 196638

Ion Ratio Lower Upper

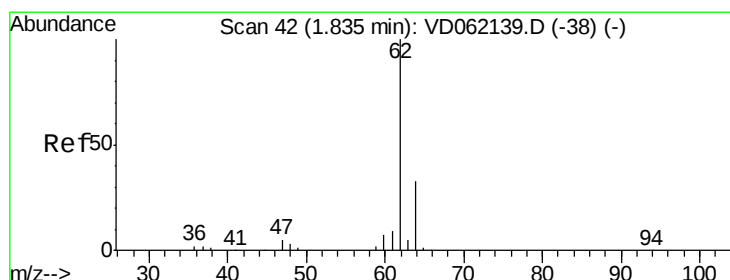
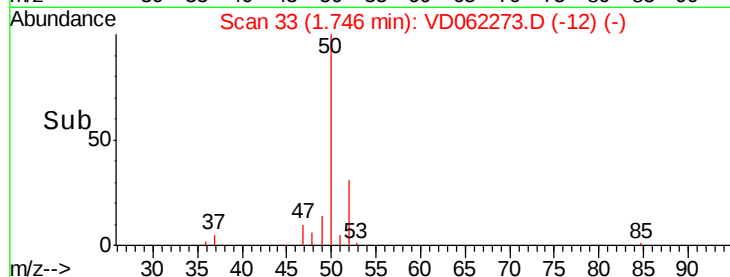
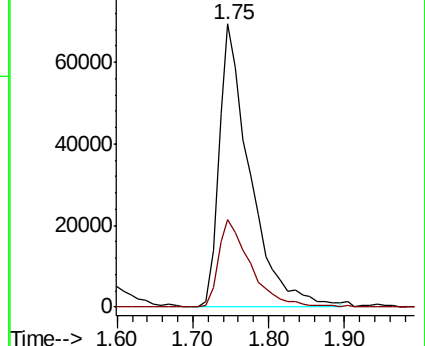
50 100

52 30.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.120 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062273.D

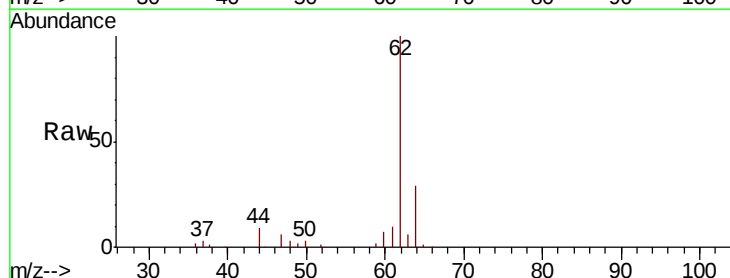
Acq: 12 May 2019 22:41

Tgt Ion: 62 Resp: 190233

Ion Ratio Lower Upper

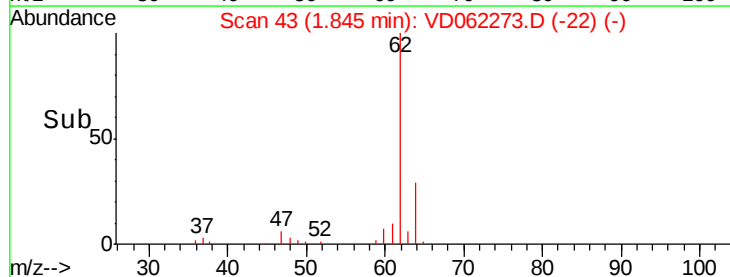
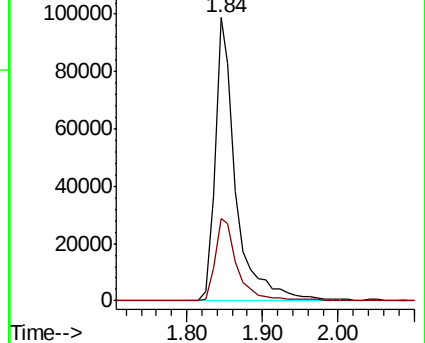
62 100

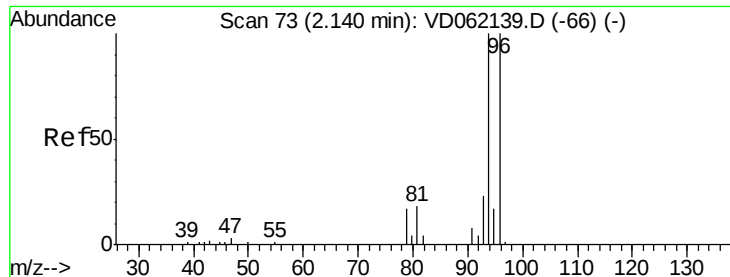
64 29.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 80.029 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

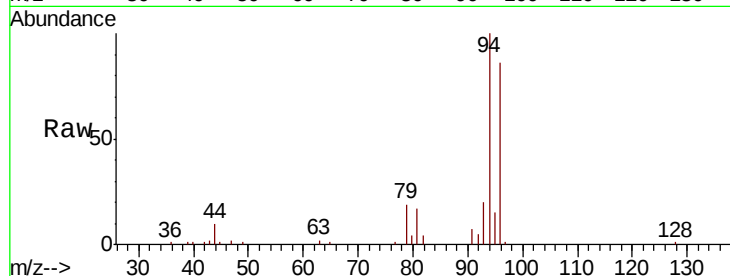
Tot Ion: 94 Resp: 82729

Ion Ratio Lower Upper

94 100

96 85.6 76.6 115.0

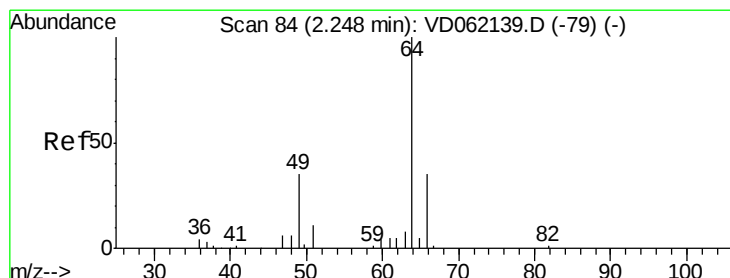
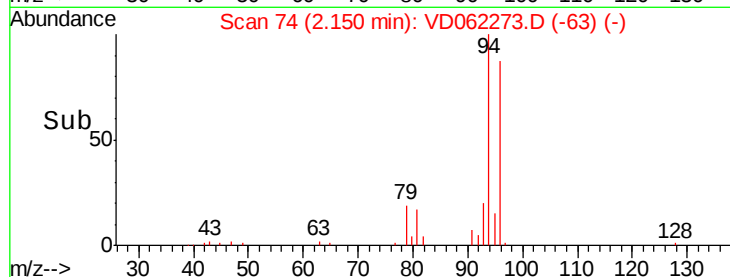
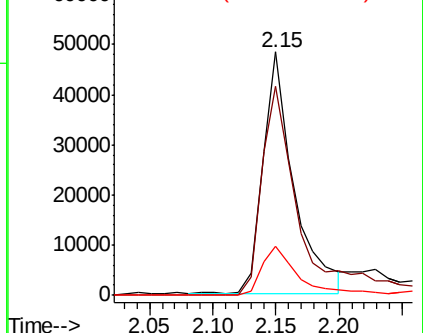
93 20.0 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 60.257 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.02 min

Lab File: VD062273.D

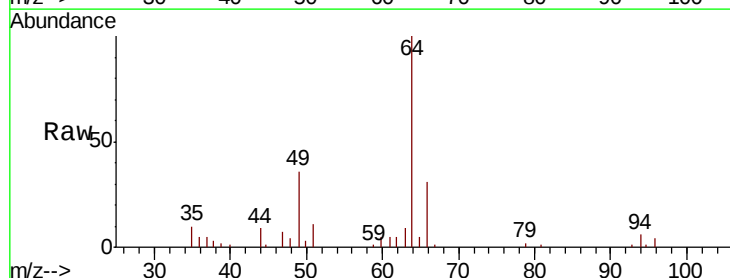
Acq: 12 May 2019 22:41

Tgt Ion: 64 Resp: 111548

Ion Ratio Lower Upper

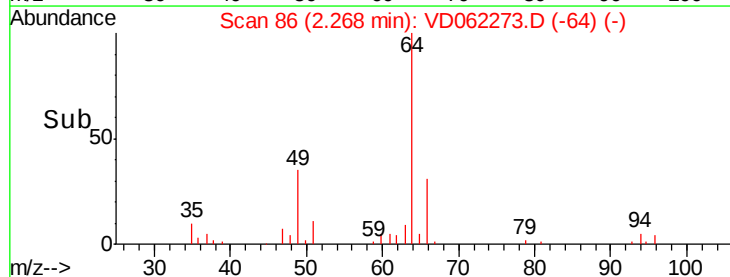
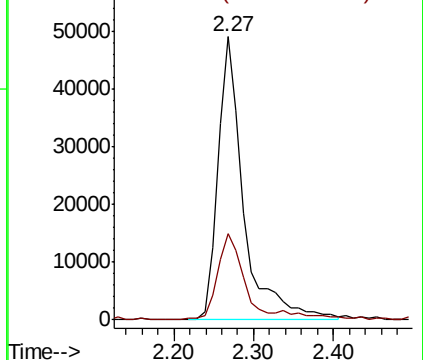
64 100

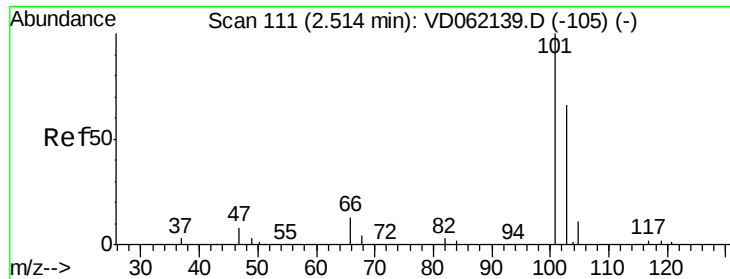
66 30.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



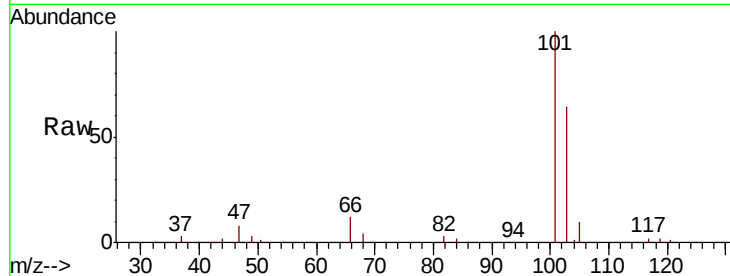


#7

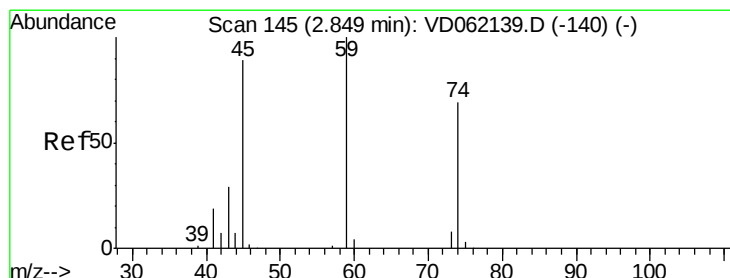
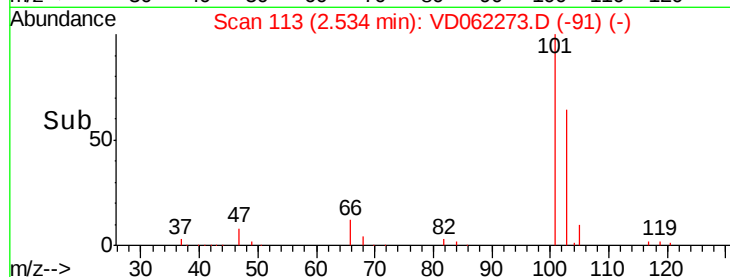
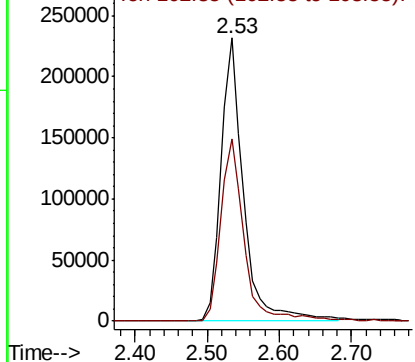
Trichlorofluoromethane
Concen: 58.194 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 499131
Ion Ratio Lower Upper
101 100
103 64.2 53.6 80.4



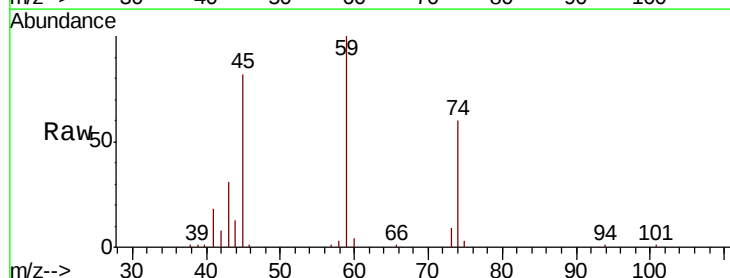
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



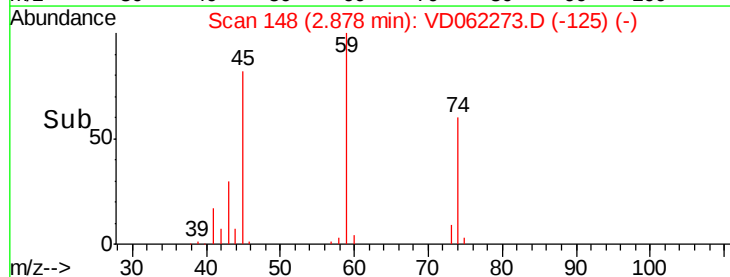
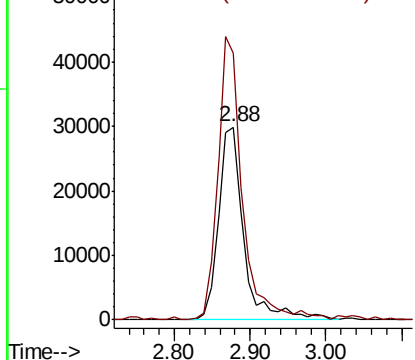
#8

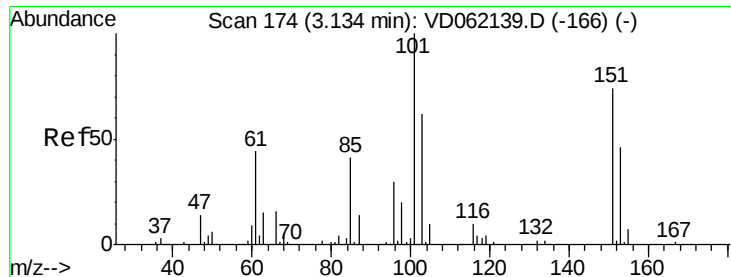
Diethyl Ether
Concen: 42.053 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 74 Resp: 69563
Ion Ratio Lower Upper
74 100
45 140.1 56.9 170.7



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: 51.080 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

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VSTDCCC050

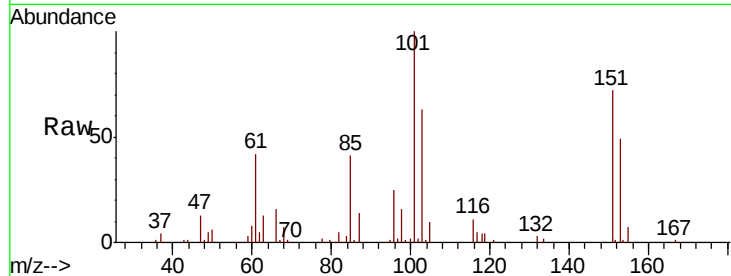
Tot Ion:101 Resp: 331422

Ion Ratio Lower Upper

101 100

85 41.2 32.4 48.6

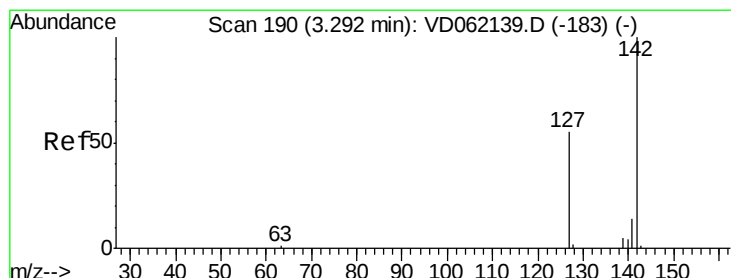
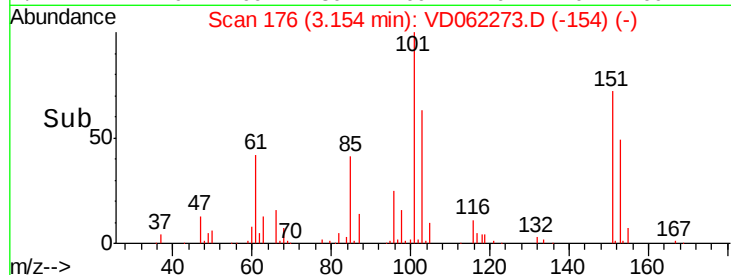
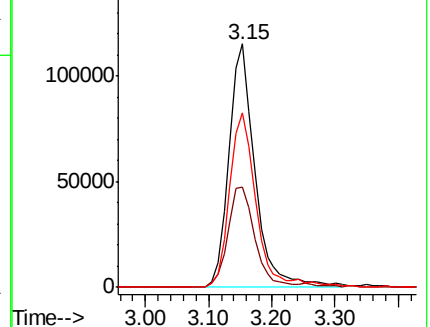
151 71.9 59.4 89.0



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: 45.112 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

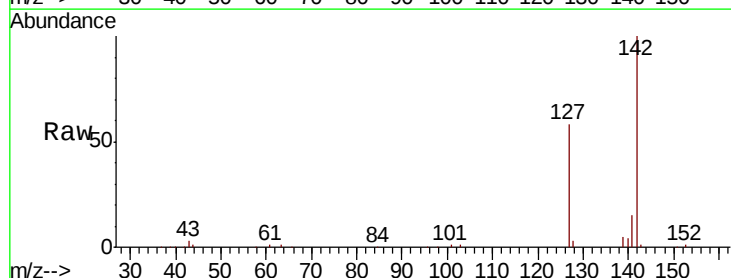
Tgt Ion:142 Resp: 442373

Ion Ratio Lower Upper

142 100

127 58.3 38.8 58.2#

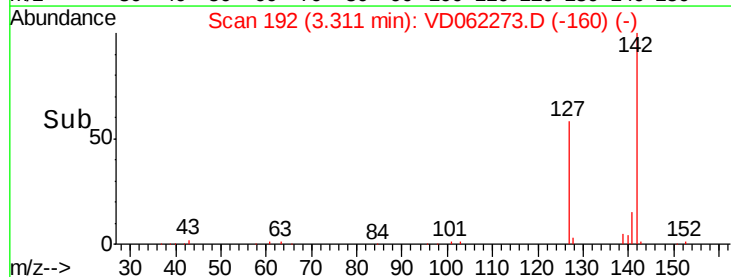
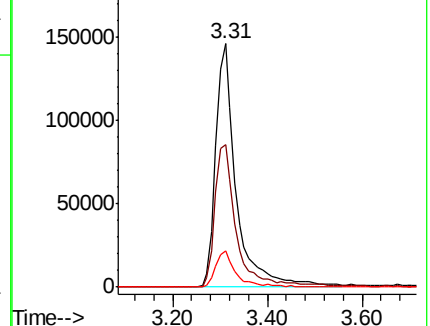
141 14.7 11.4 17.0

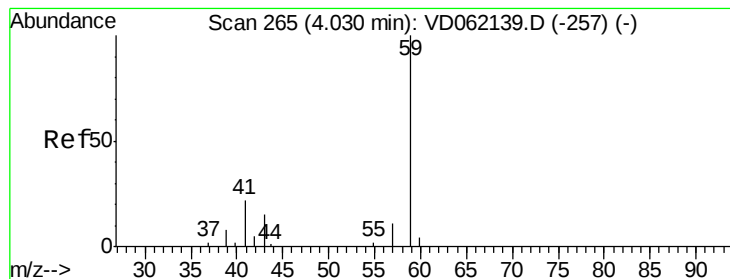


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



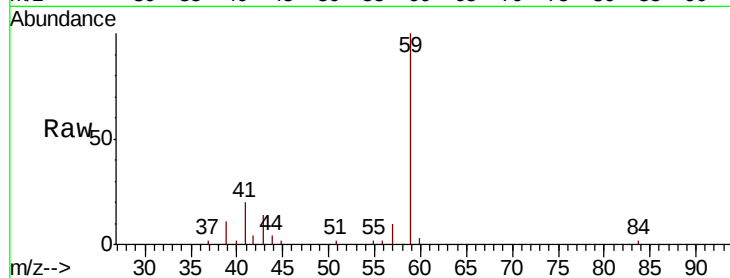


#11

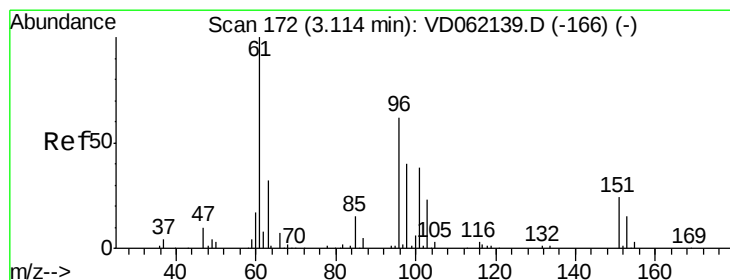
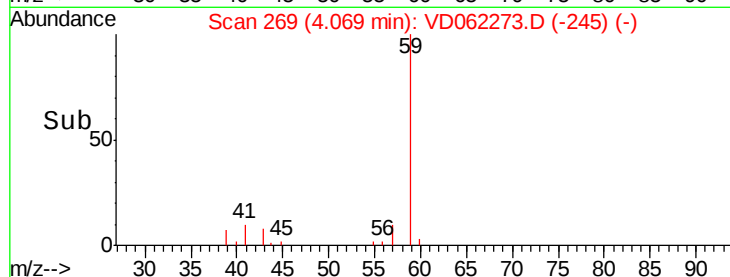
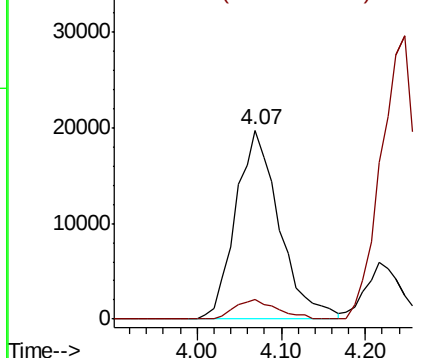
Tert butyl alcohol
 Concen: 231.918 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.04 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 71461
 Ion Ratio Lower Upper
 59 100
 57 10.4 6.9 10.3#



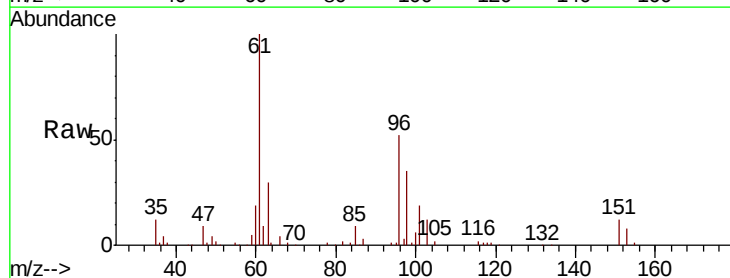
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



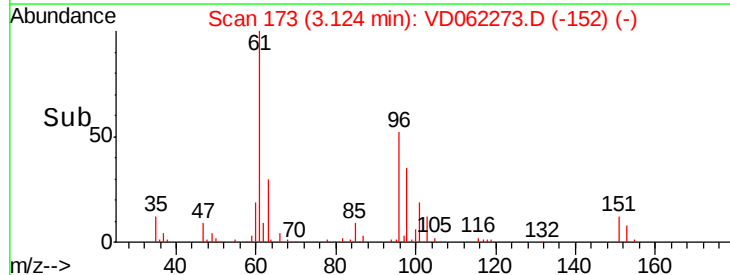
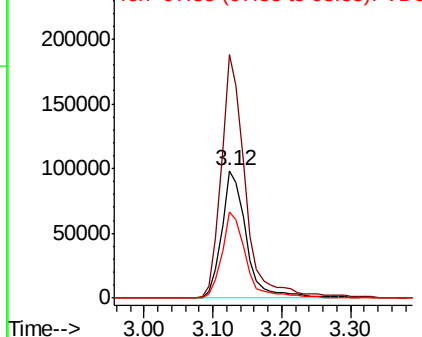
#12

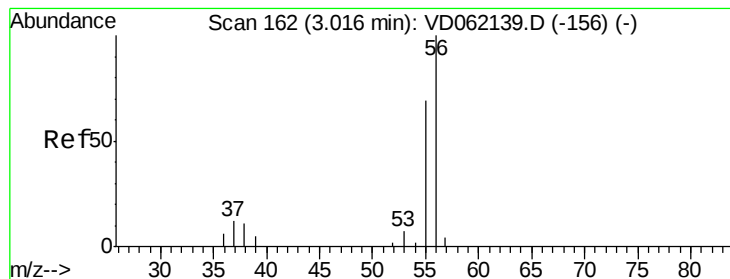
1,1-Dichloroethene
 Concen: 49.292 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion: 96 Resp: 244136
 Ion Ratio Lower Upper
 96 100
 61 190.8 129.8 194.8
 98 67.1 51.2 76.8



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





#13

Acrolein

Concen: 201.434 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

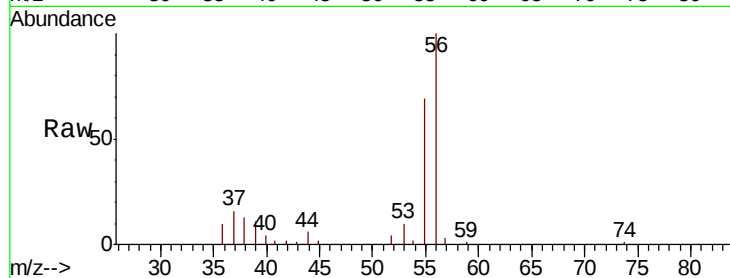
VSTDCCC050

Tot Ion: 56 Resp: 64197

Ion Ratio Lower Upper

56 100

55 68.9 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

30000

25000

20000

15000

10000

5000

0

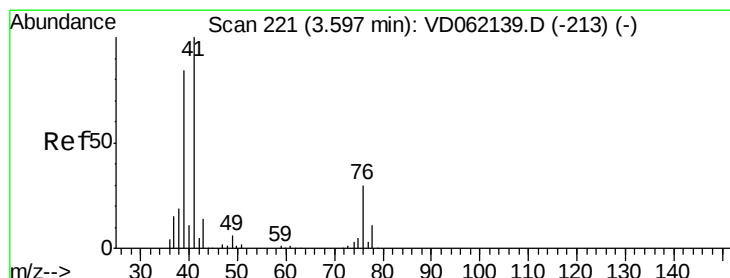
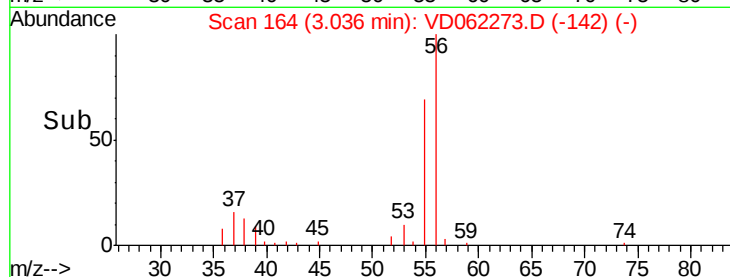
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 45.411 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

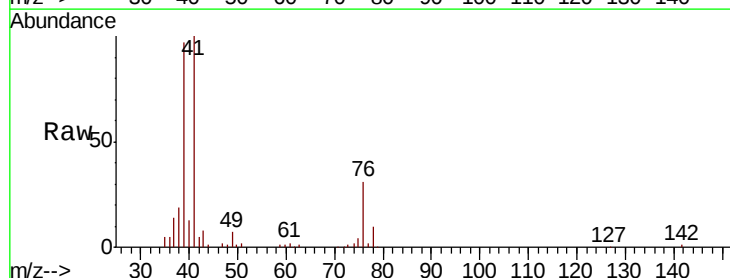
Tgt Ion: 41 Resp: 327017

Ion Ratio Lower Upper

41 100

39 96.6 60.5 90.7#

76 31.2 31.8 47.8#



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

150000

100000

50000

0

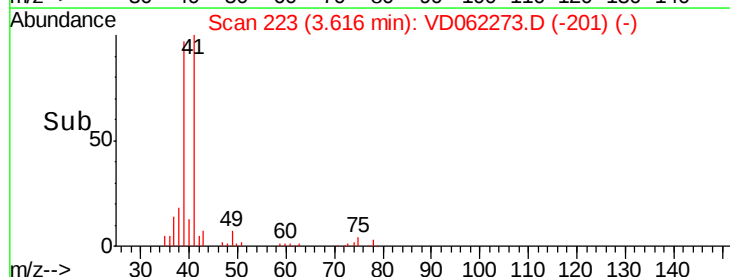
Time-->

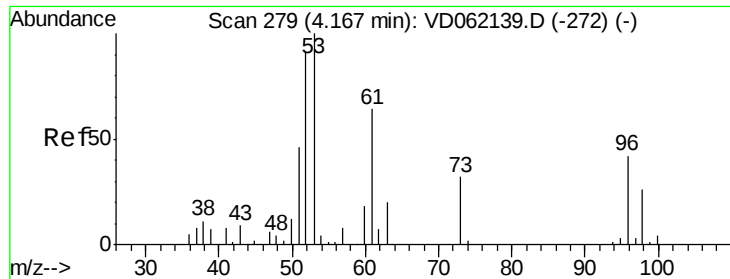
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 229.503 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

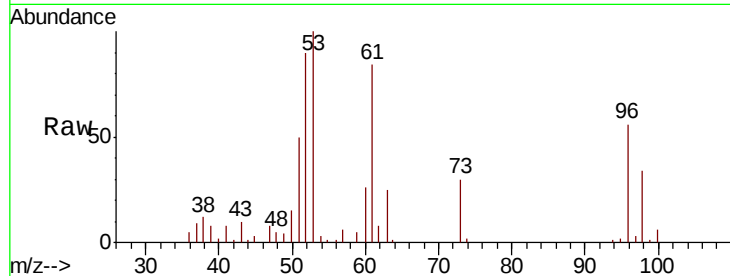
Tot Ion: 53 Resp: 185876

Ion Ratio Lower Upper

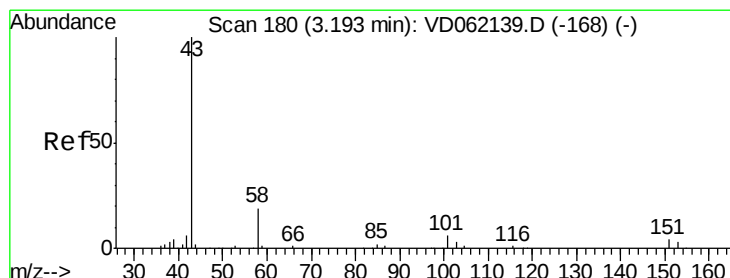
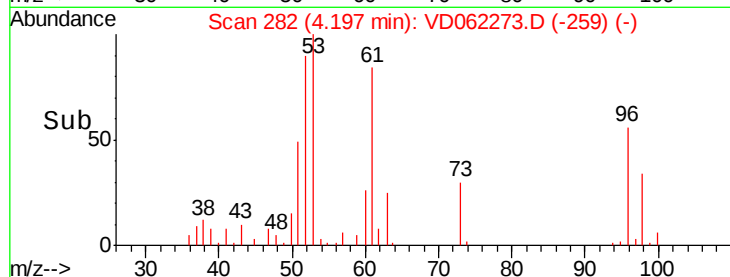
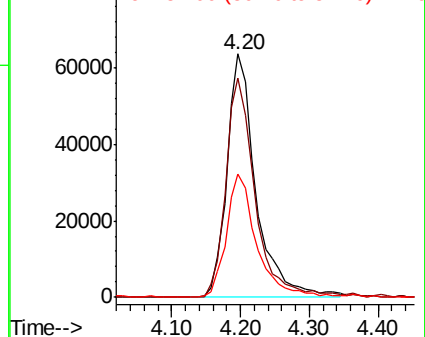
53 100

52 90.0 65.0 97.4

51 50.4 32.6 48.8#



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: 249.592 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062273.D

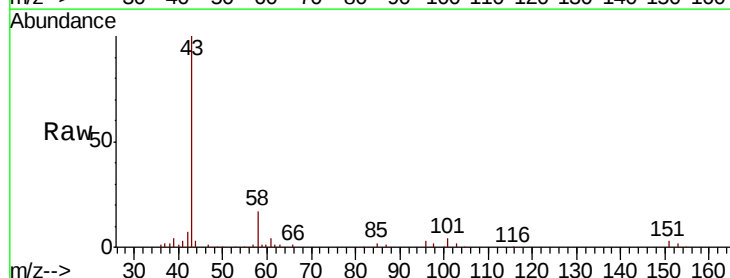
Acq: 12 May 2019 22:41

Tgt Ion: 43 Resp: 315962

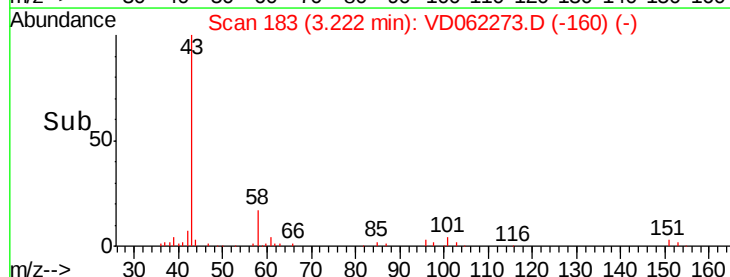
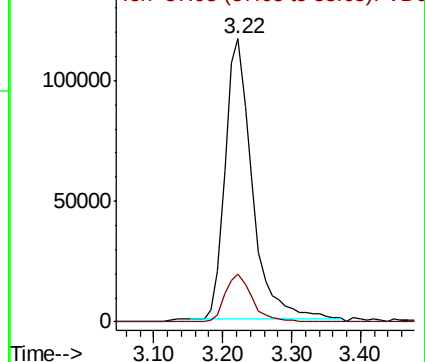
Ion Ratio Lower Upper

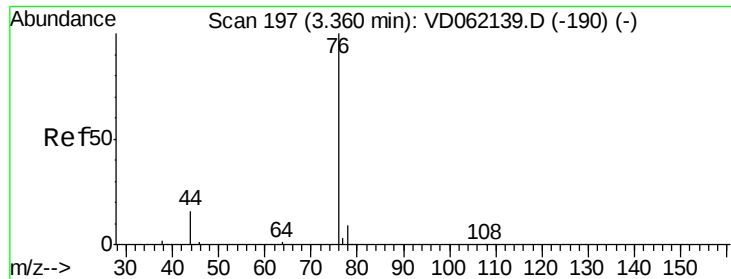
43 100

58 17.1 19.9 29.9#



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

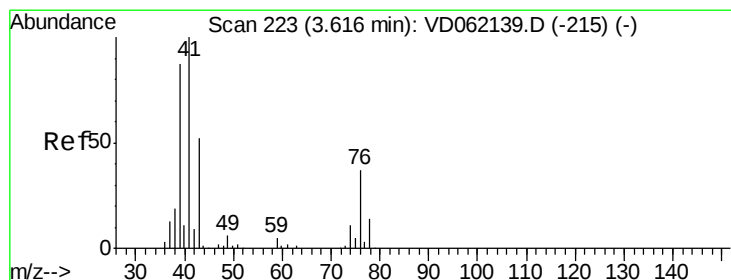
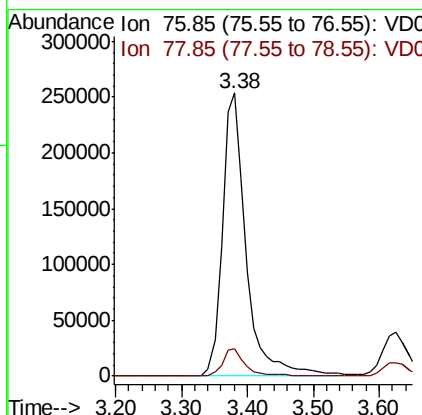
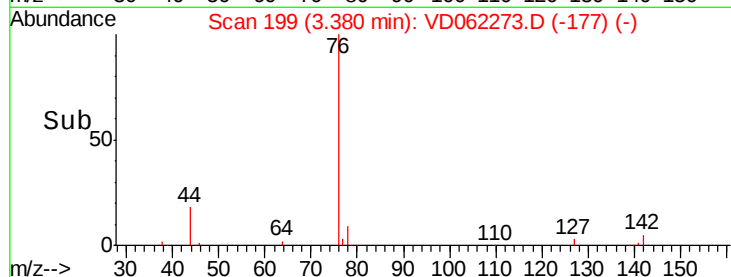
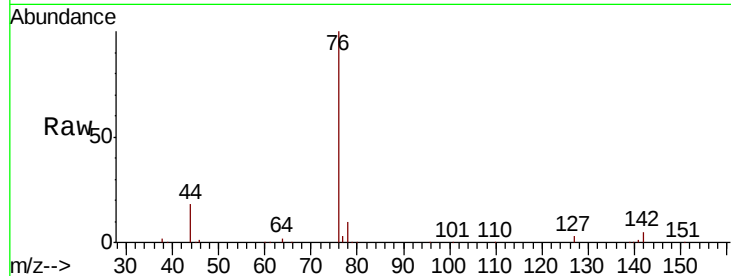




#17
Carbon Disulfide
Concen: 44.643 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

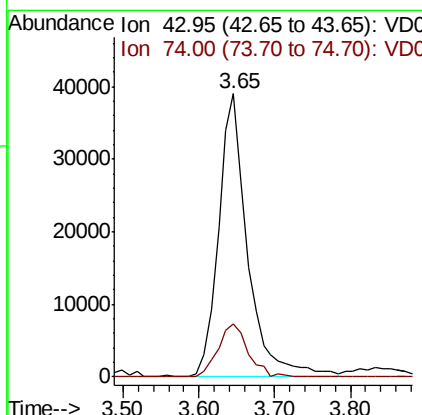
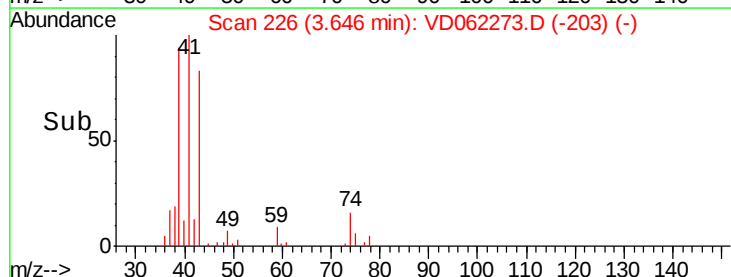
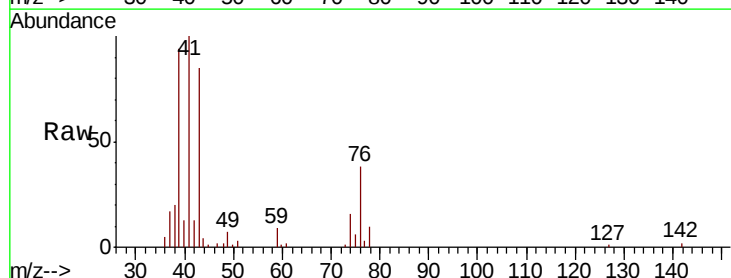
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 636065
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 45.644 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 43 Resp: 103402
Ion Ratio Lower Upper
43 100
74 18.8 18.0 27.0

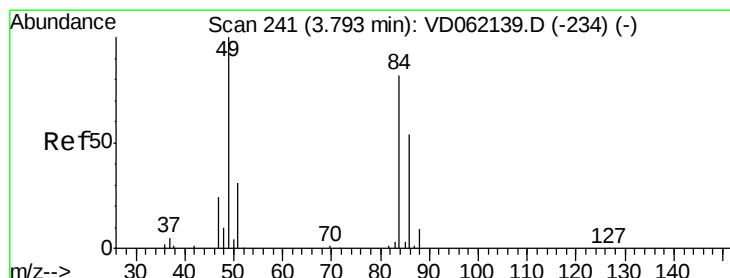
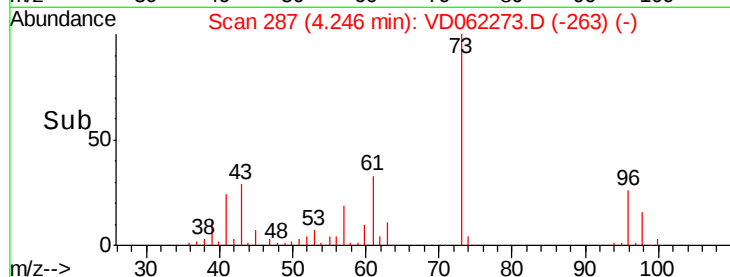
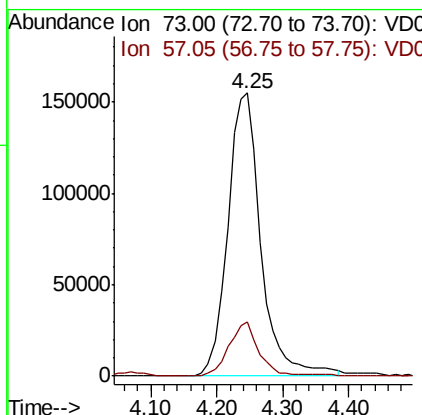
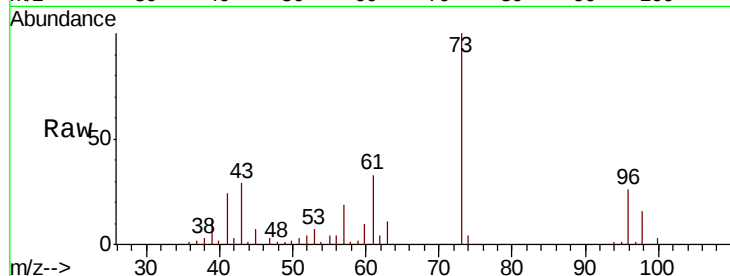




#19
Methvl tert-butvl Ether
Concen: 51.344 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

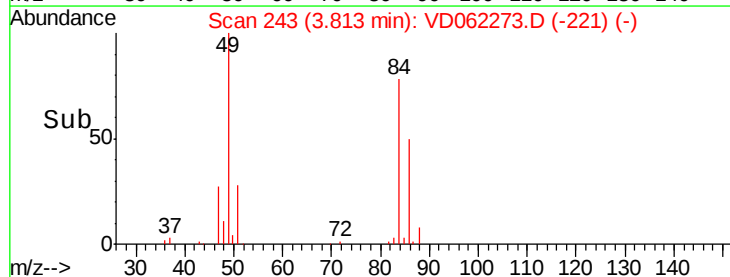
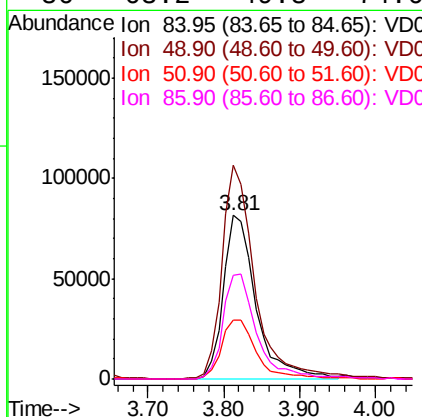
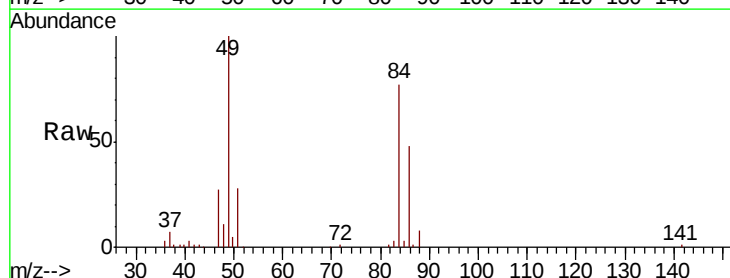
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 545070
Ion Ratio Lower Upper
73 100
57 19.1 16.3 24.5



#20
Methylene Chloride
Concen: 46.534 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 84 Resp: 245961
Ion Ratio Lower Upper
84 100
49 130.5 94.0 141.0
51 36.4 29.0 43.4
86 63.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.532 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

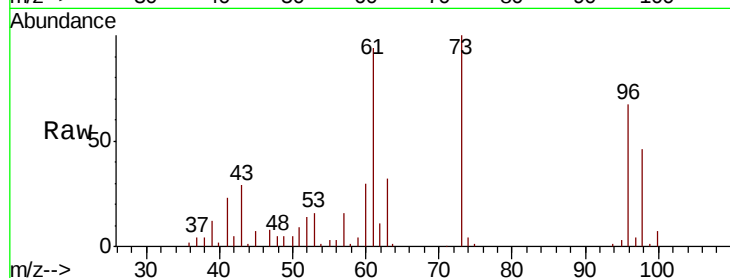
Tot Ion: 96 Resp: 272987

Ion Ratio Lower Upper

96 100

61 139.3 104.4 156.6

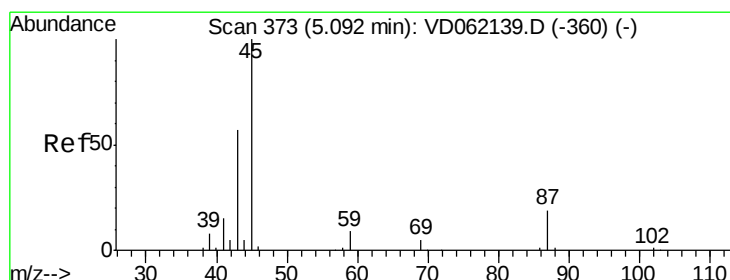
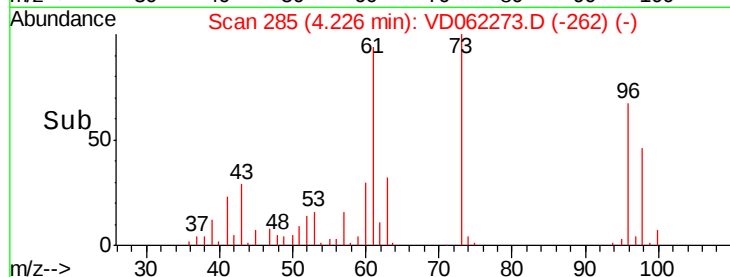
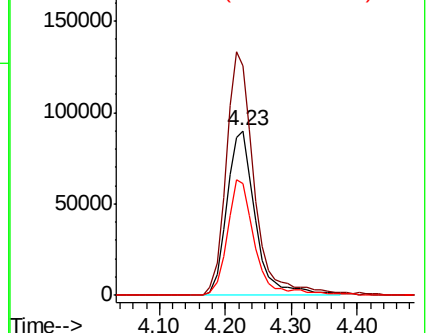
98 67.9 51.8 77.8



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: 50.698 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Tgt Ion: 45 Resp: 776920

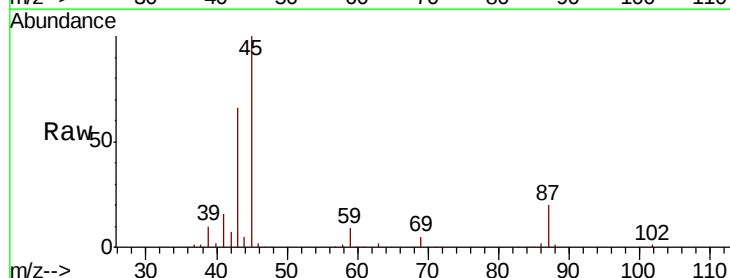
Ion Ratio Lower Upper

45 100

43 66.0 46.2 69.2

87 20.4 15.9 23.9

59 9.4 7.9 11.9

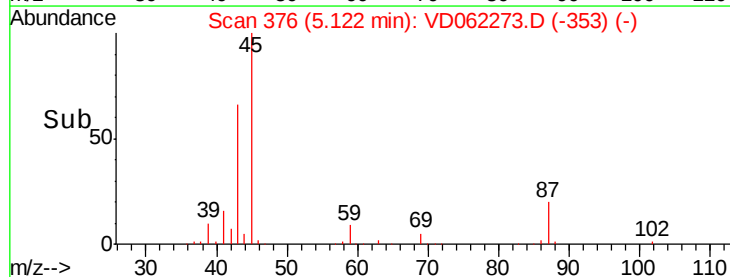
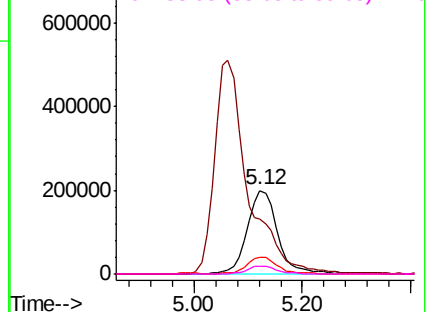


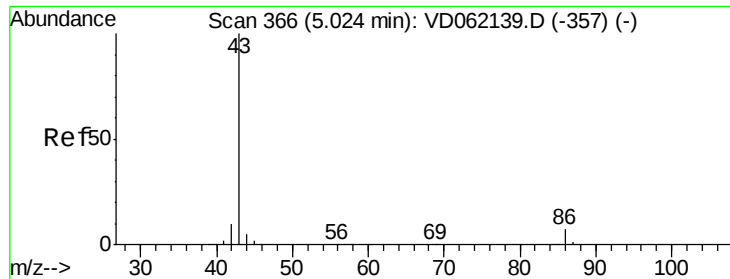
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 265.735 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.04 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

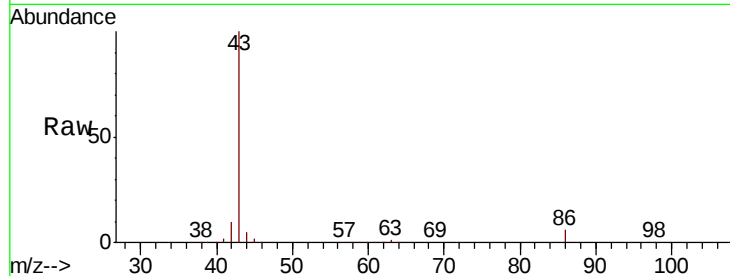
VSTDCCC050

Tot Ion: 43 Resp: 2148546

Ion Ratio Lower Upper

43 100

86 6.1 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

400000

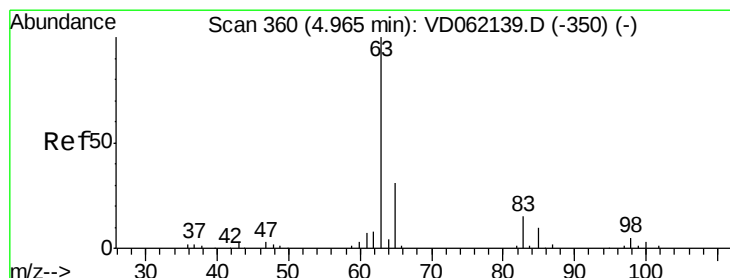
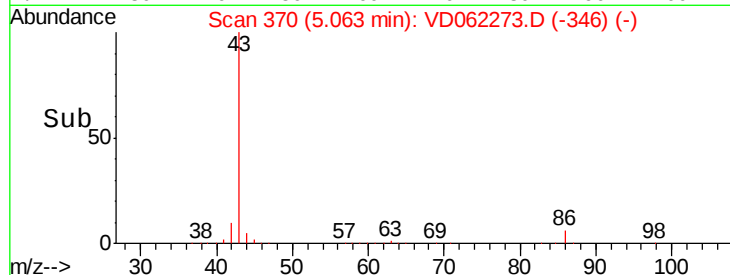
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.611 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

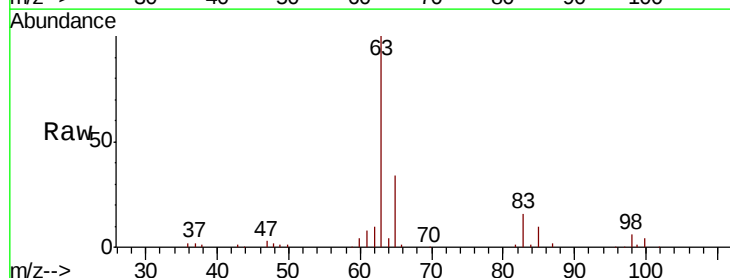
Tgt Ion: 63 Resp: 477122

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 4.1 1.8 5.5



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

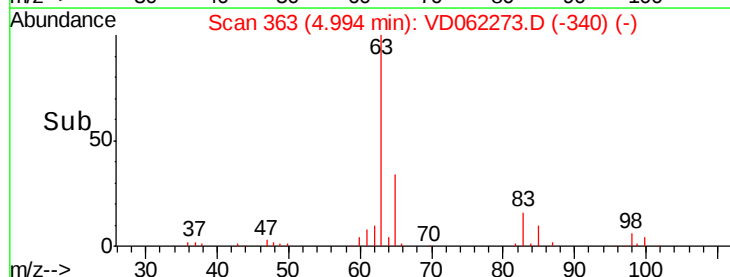
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 247.831 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

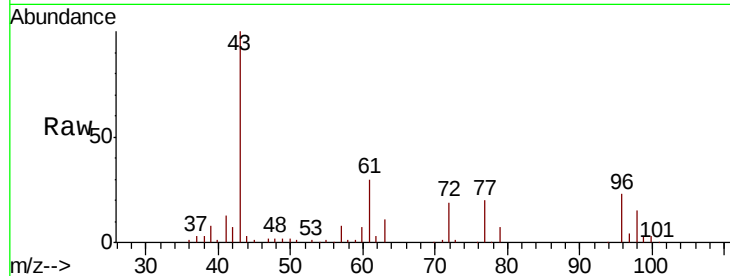
VSTDCCC050

Tot Ion: 43 Resp: 342207

Ion Ratio Lower Upper

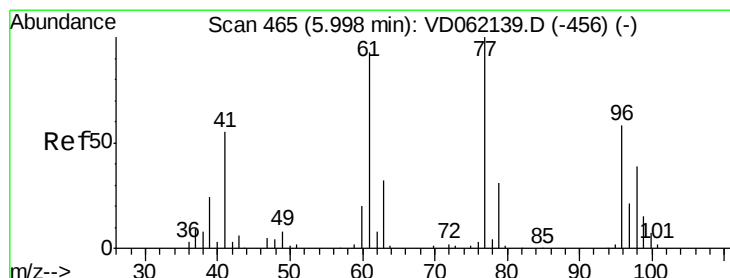
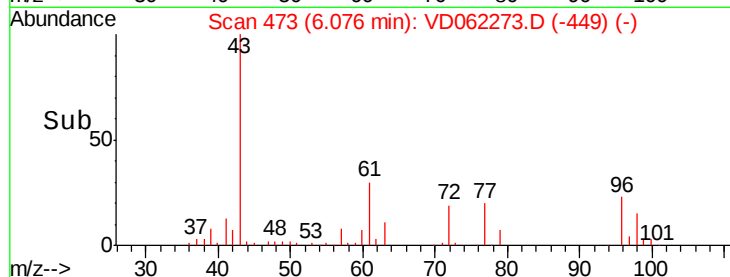
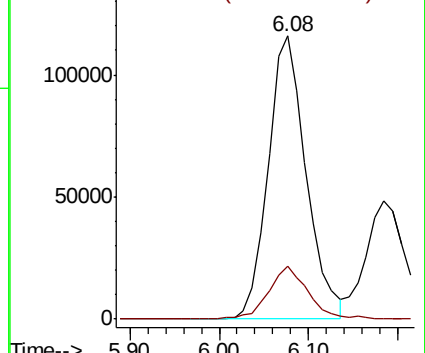
43 100

72 18.6 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.672 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD062273.D

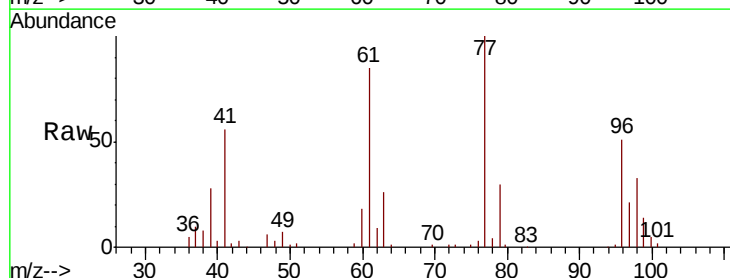
Acq: 12 May 2019 22:41

Tgt Ion: 77 Resp: 475830

Ion Ratio Lower Upper

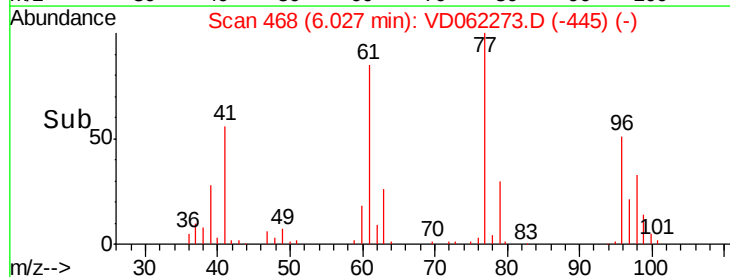
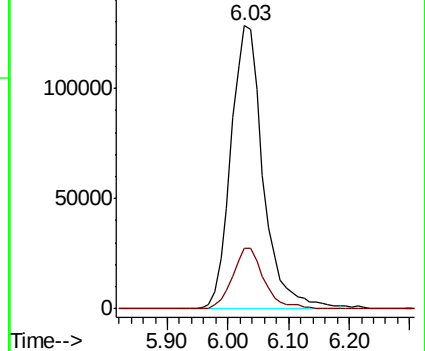
77 100

97 21.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



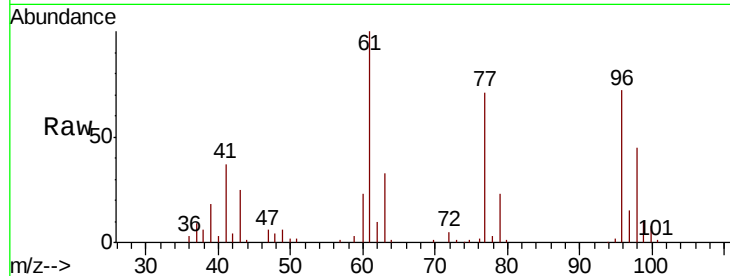


#27

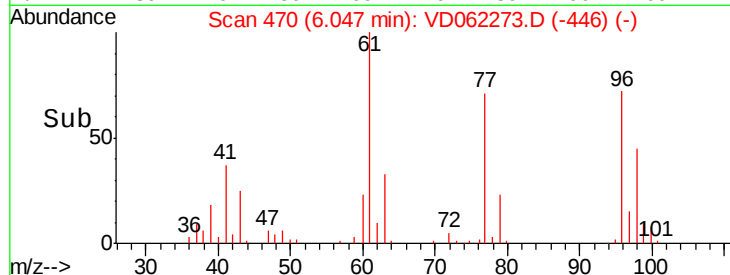
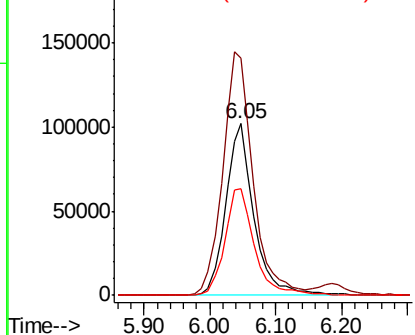
cis-1,2-Dichloroethene
Concen: 49.163 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	303290
Ion Ratio	Lower	Upper	
96	100		
61	138.4	0.0	279.8
98	62.0	0.0	136.0



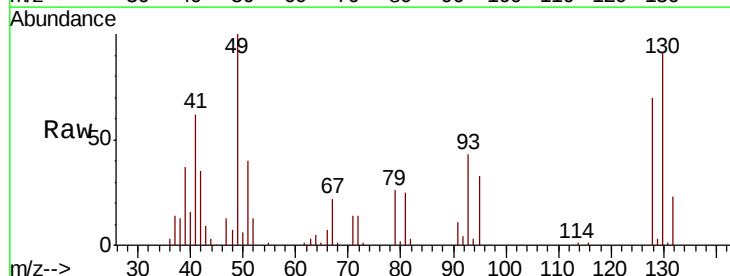
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



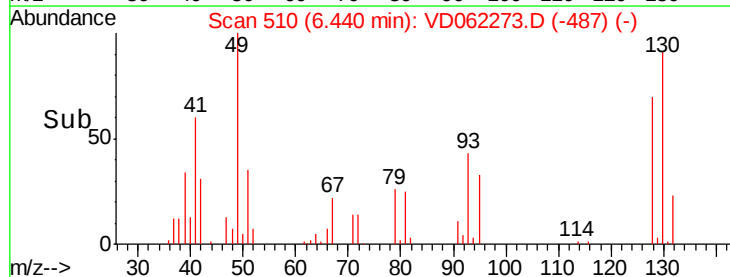
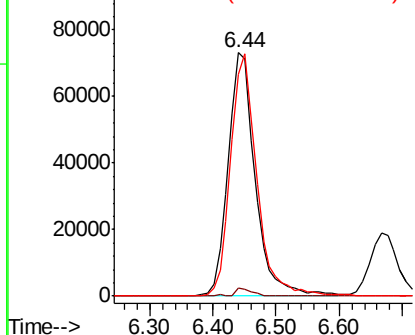
#28

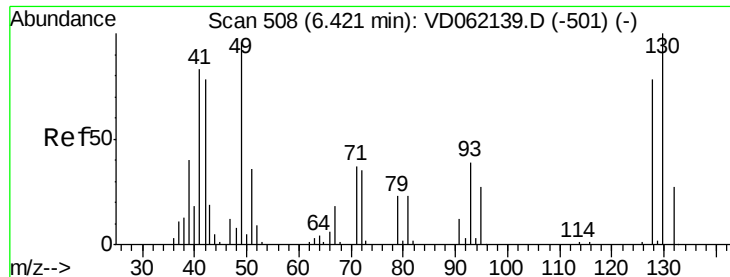
Bromochloromethane
Concen: 59.696 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion	49	Resp	217125
Ion Ratio	Lower	Upper	
49	100		
129	3.1	0.0	6.6
130	91.1	86.7	130.1



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: 240.531 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

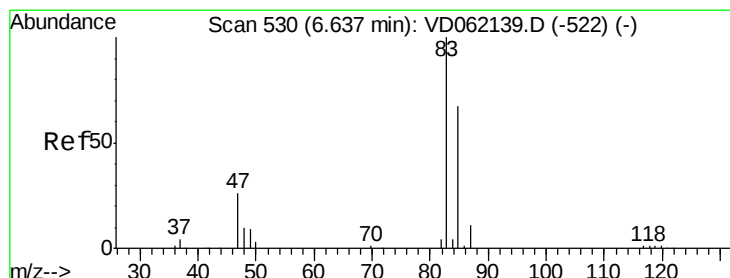
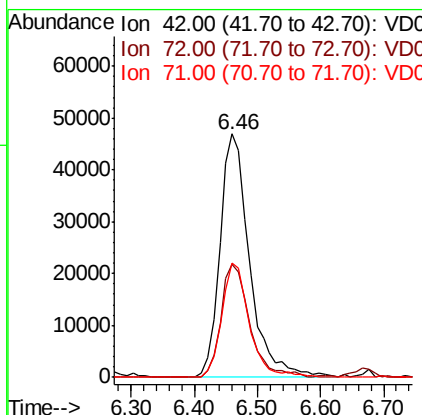
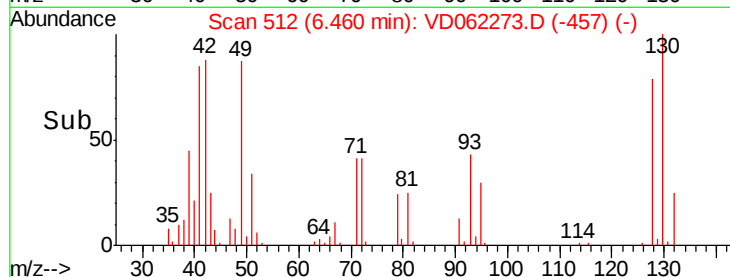
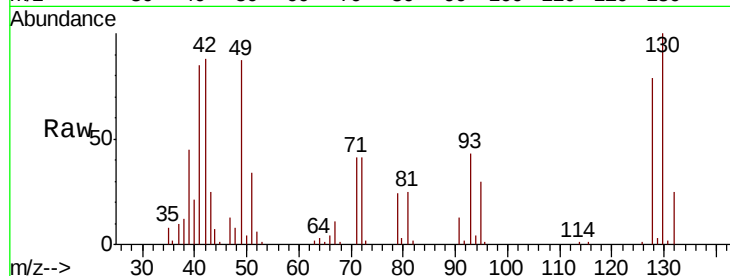
Tot Ion: 42 Resp: 153031

Ion Ratio Lower Upper

42 100

72 45.1 37.8 56.6

71 43.6 36.7 55.1



#30

Chloroform

Concen: 56.424 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.03 min

Lab File: VD062273.D

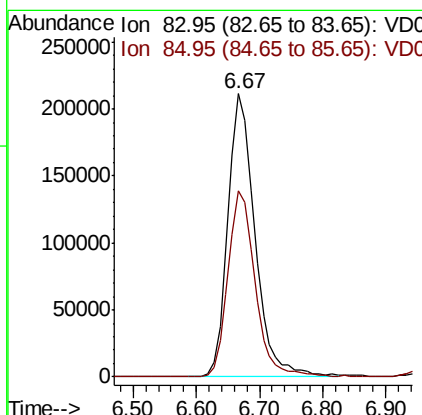
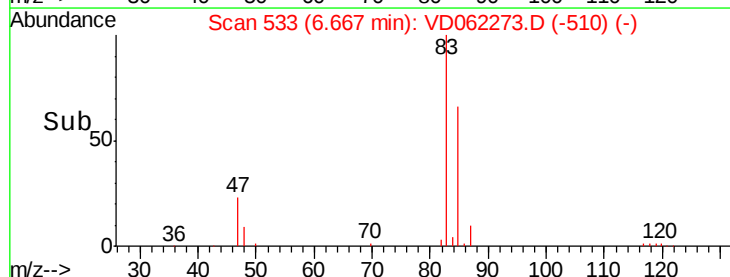
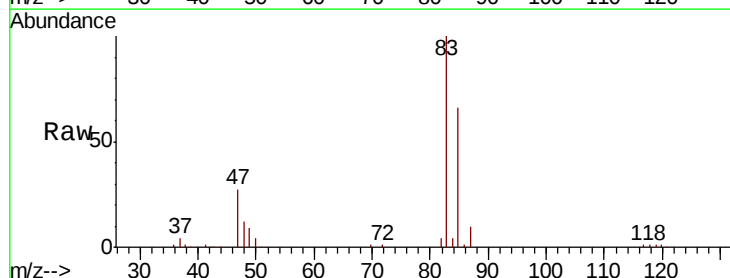
Acq: 12 May 2019 22:41

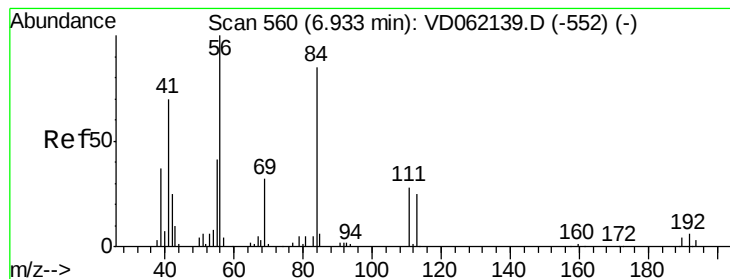
Tgt Ion: 83 Resp: 628639

Ion Ratio Lower Upper

83 100

85 65.5 51.7 77.5





#31

Cyclohexane

Concen: 46.442 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

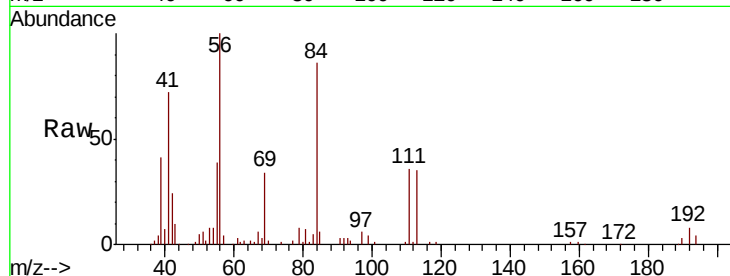
Tot Ion: 56 Resp: 294145

Ion Ratio Lower Upper

56 100

69 33.7 25.8 38.6

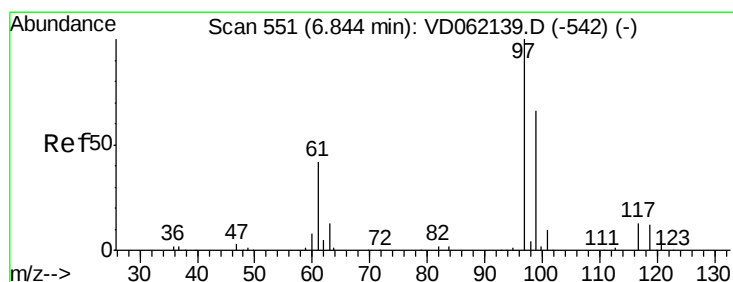
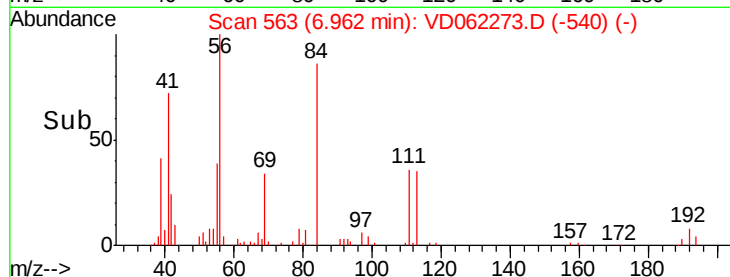
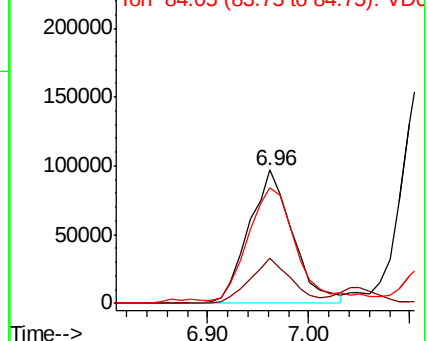
84 86.4 72.2 108.4



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: 55.783 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

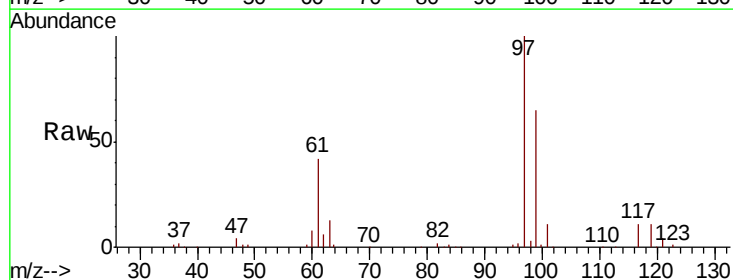
Tgt Ion: 97 Resp: 587437

Ion Ratio Lower Upper

97 100

99 65.3 52.2 78.2

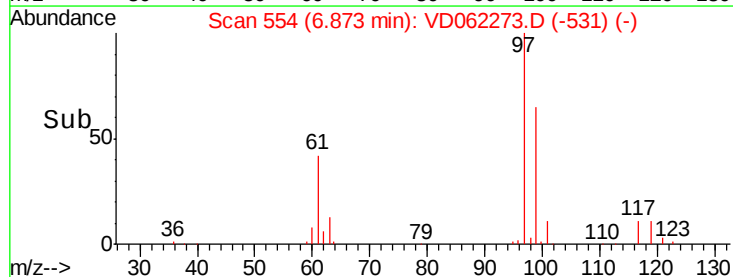
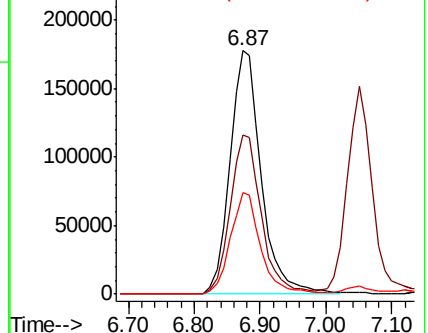
61 41.8 32.4 48.6



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: 54.015 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

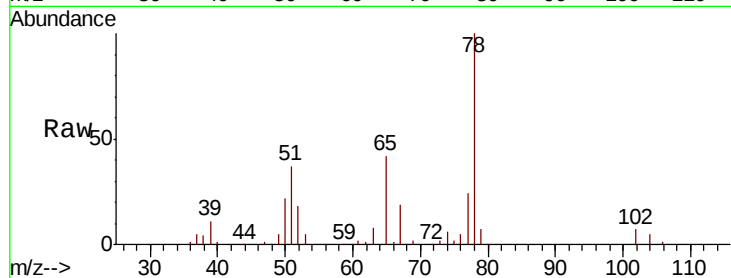
VSTDCCC050

Tot Ion: 65 Resp: 326062

Ion Ratio Lower Upper

65 100

67 45.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

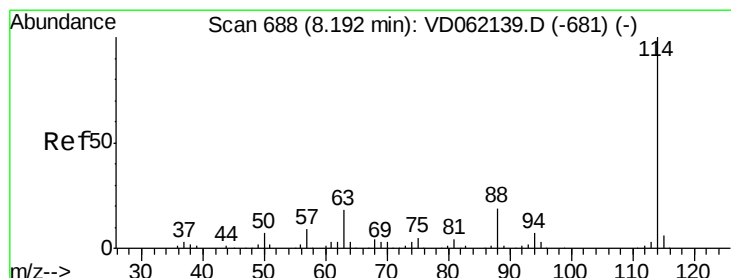
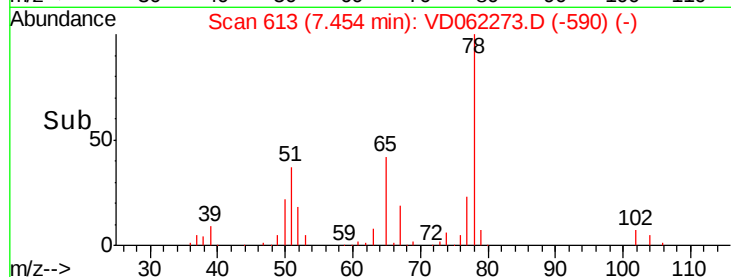
7.45

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

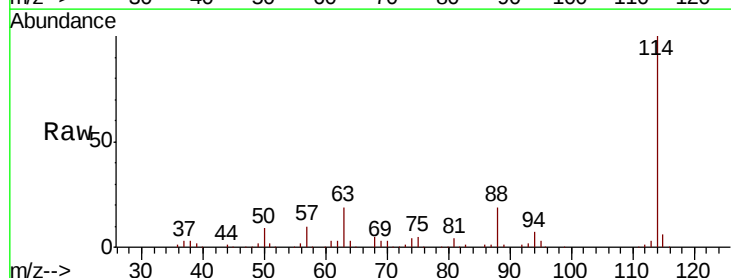
Tgt Ion: 114 Resp: 896988

Ion Ratio Lower Upper

114 100

63 18.5 0.0 32.4

88 18.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

400000

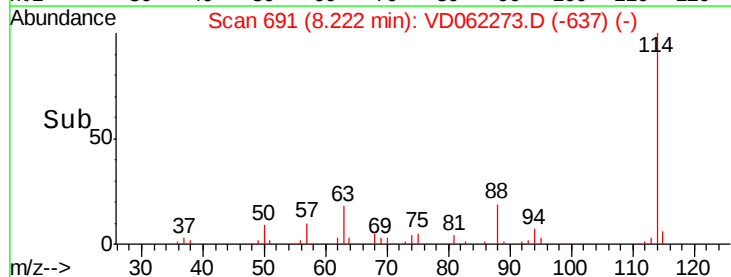
300000

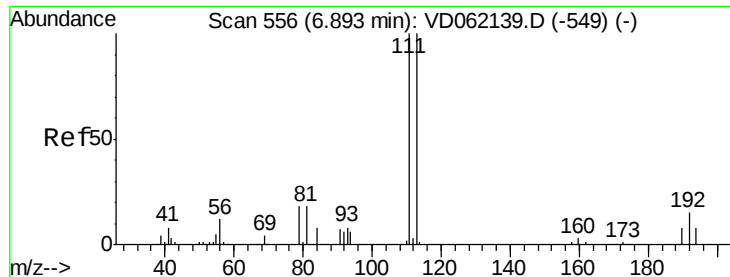
200000

100000

0

Time-->

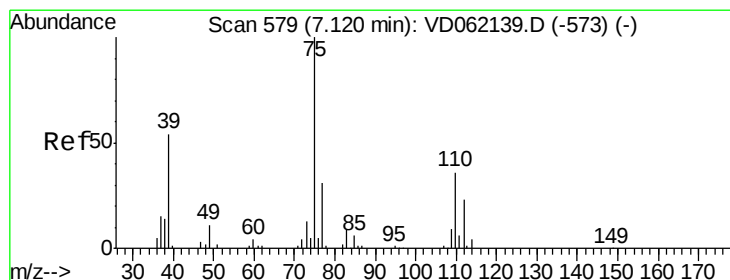
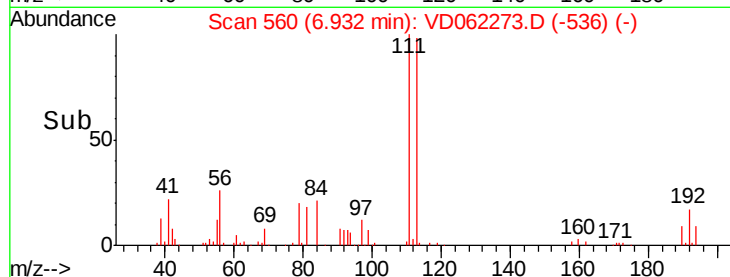
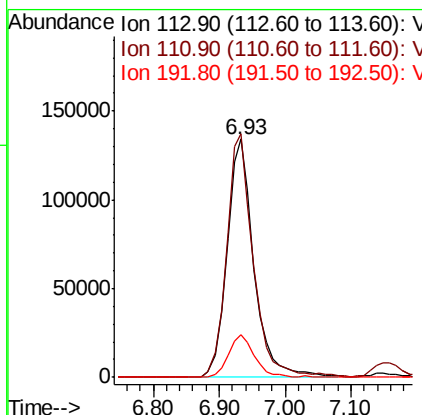
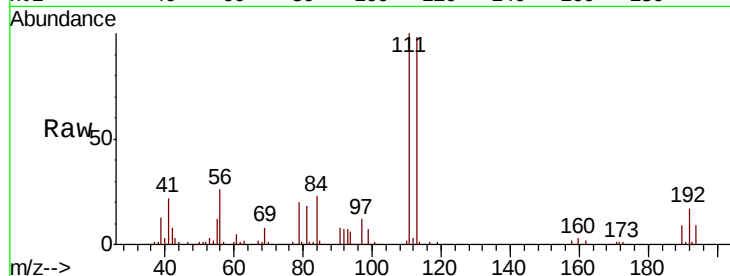




#35
 Dibromofluoromethane
 Concen: 51.163 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

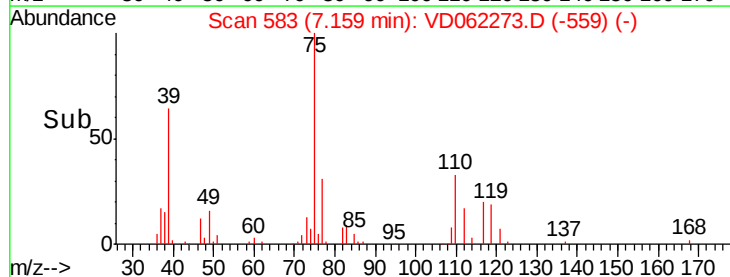
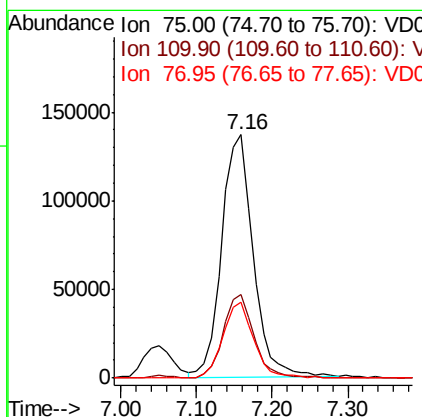
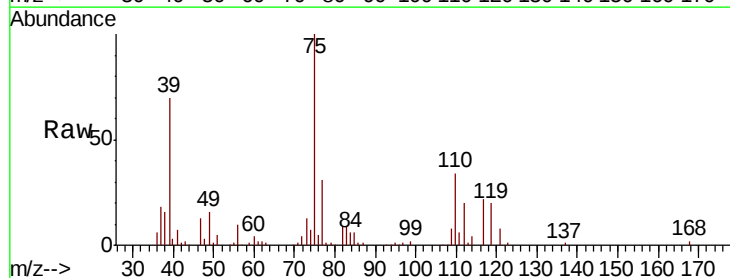
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

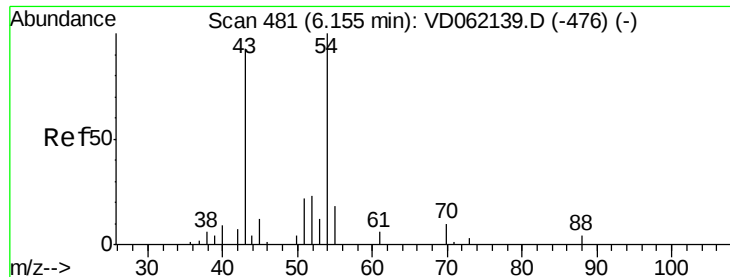
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	78.5	117.7
192	17.8	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 53.749 ug/l
 RT: 7.16 min Scan# 583
 Delta R.T. 0.04 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	19.1	57.1
77	31.0	25.6	38.4

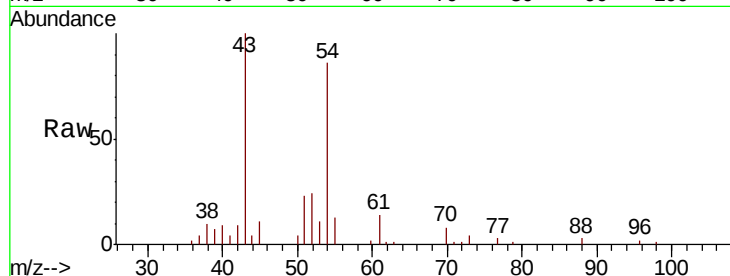




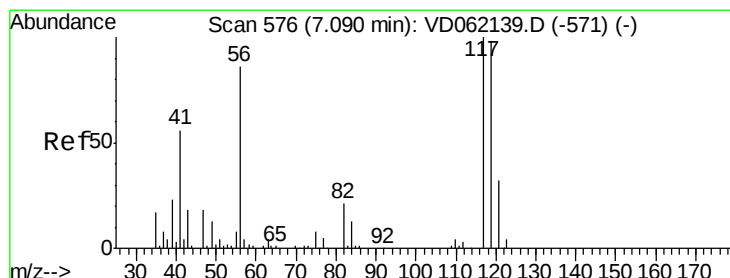
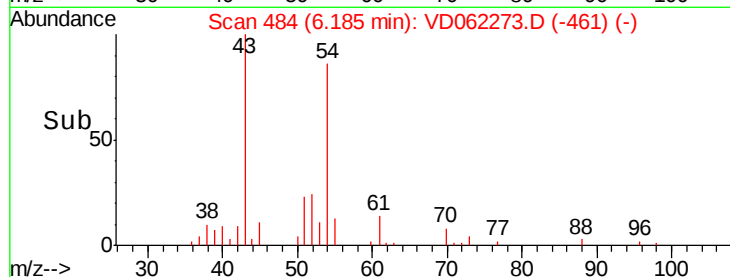
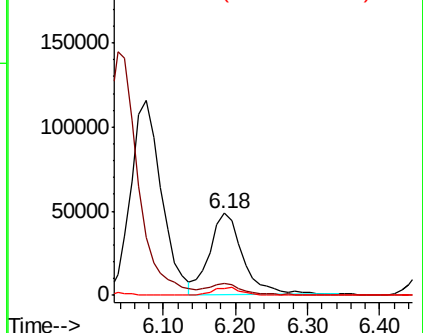
#37
Ethyl Acetate
Concen: 49.874 ug/l
RT: 6.18 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 155552
Ion Ratio Lower Upper
43 100
61 14.0 14.7 22.1#
70 8.2 7.8 11.6

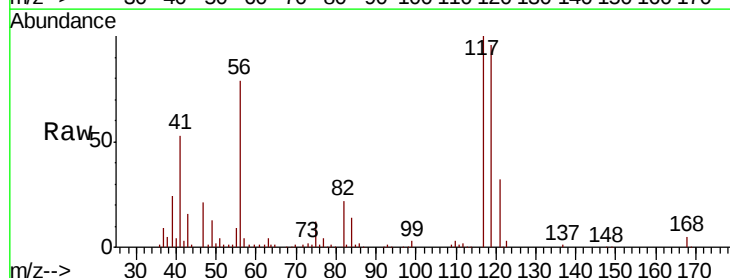


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

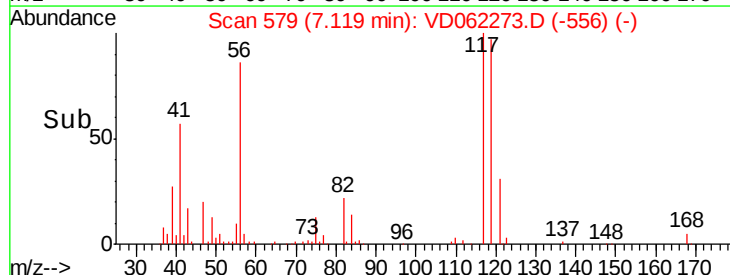
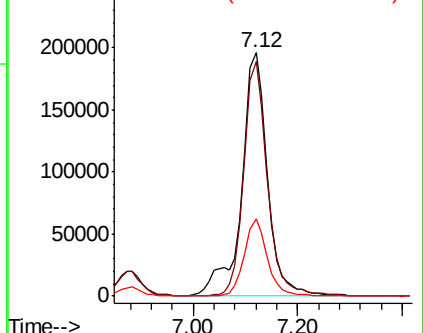


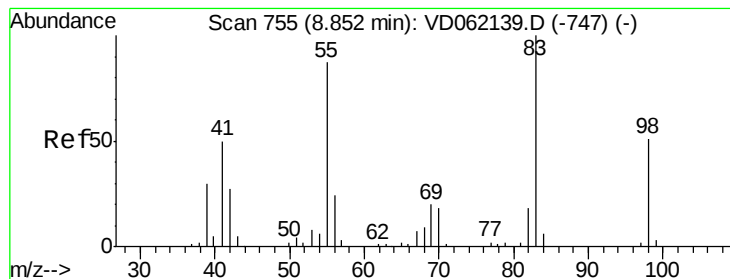
#38
Carbon Tetrachloride
Concen: 63.833 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 117 Resp: 649766
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.8
121 31.8 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 48.522 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

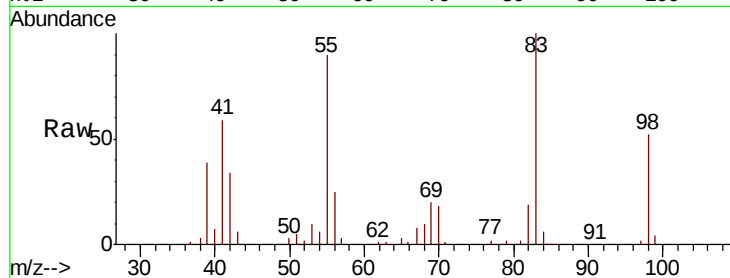
Tot Ion: 83 Resp: 341909

Ion Ratio Lower Upper

83 100

55 89.6 68.2 102.4

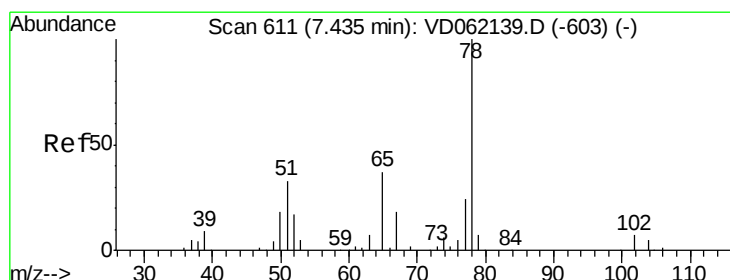
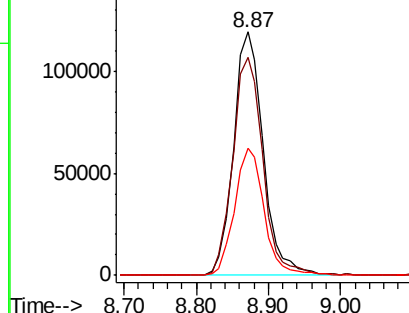
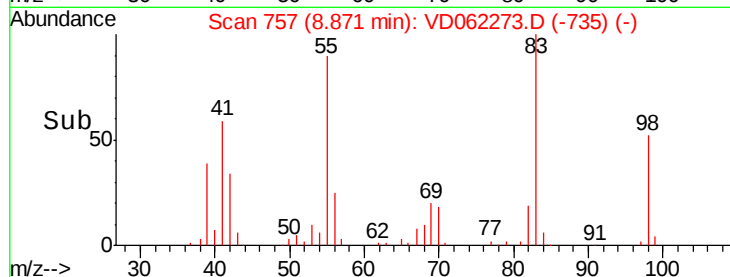
98 52.0 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.067 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD062273.D

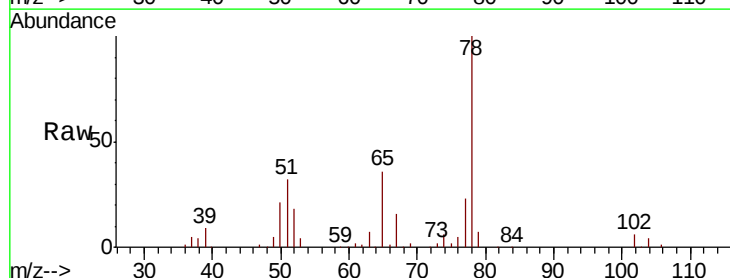
Acq: 12 May 2019 22:41

Tgt Ion: 78 Resp: 864687

Ion Ratio Lower Upper

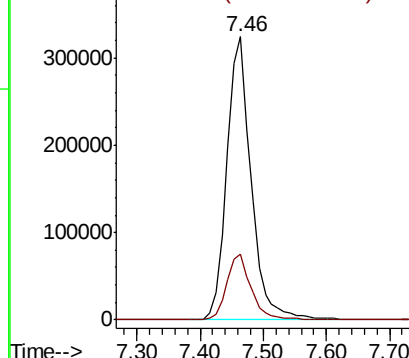
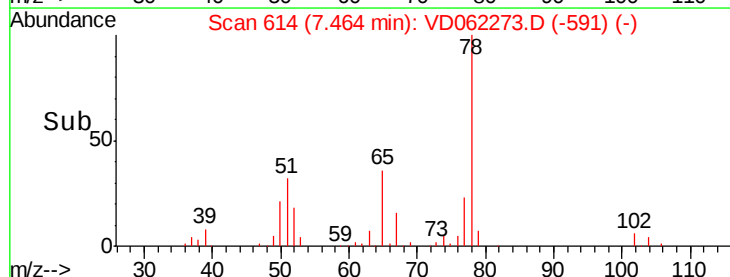
78 100

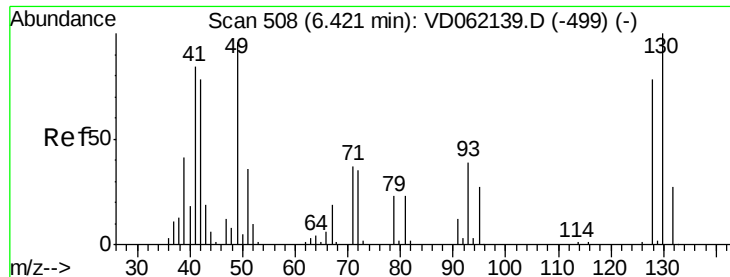
77 23.2 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 52.825 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 201341

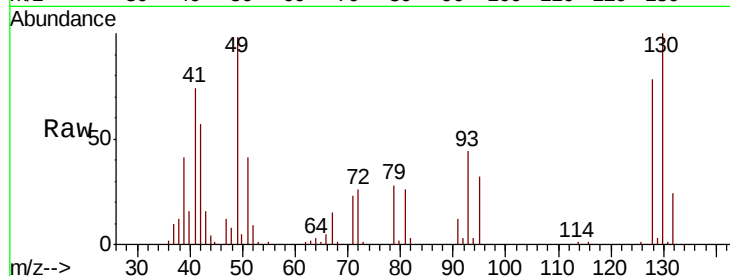
Ion Ratio Lower Upper

41 100

39 55.8 34.1 51.1#

67 20.8 23.8 35.6#

52 12.2 8.8 13.2

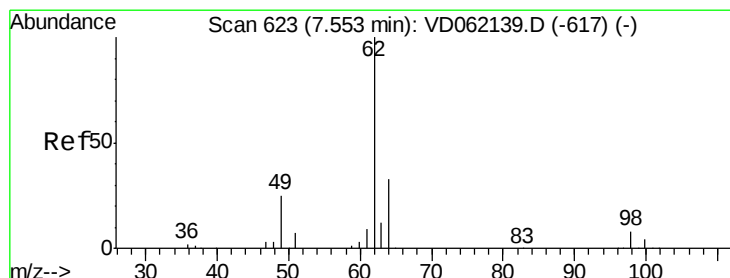
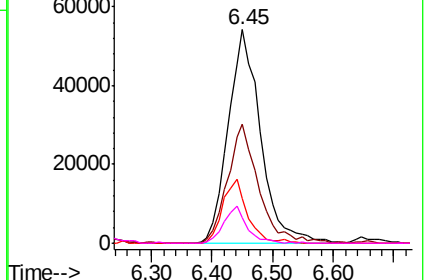
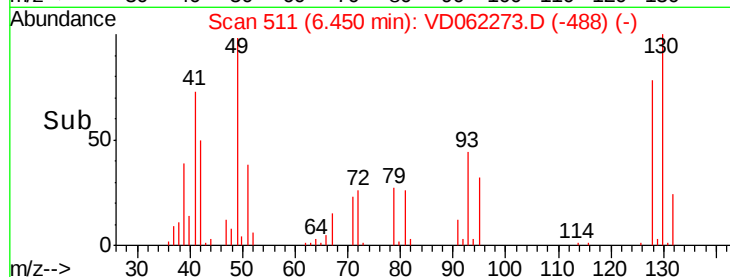


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 57.279 ug/l

RT: 7.58 min Scan# 626

Delta R.T. 0.03 min

Lab File: VD062273.D

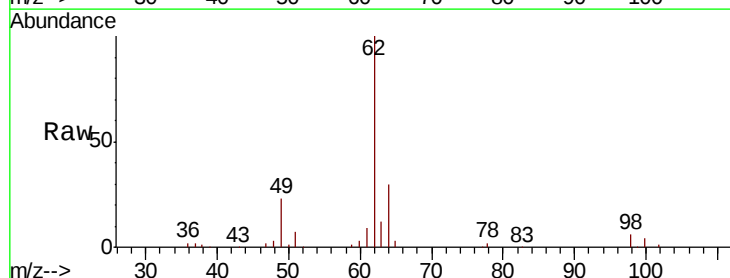
Acq: 12 May 2019 22:41

Tgt Ion: 62 Resp: 403028

Ion Ratio Lower Upper

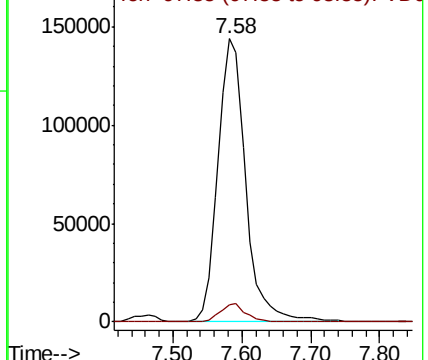
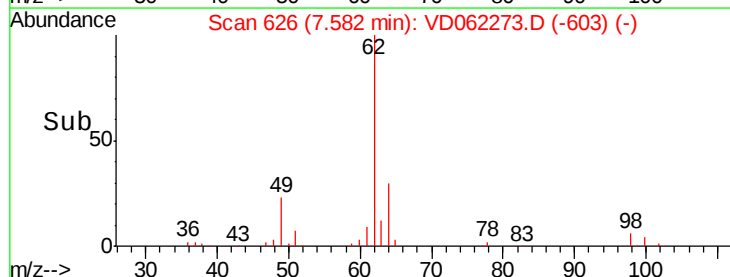
62 100

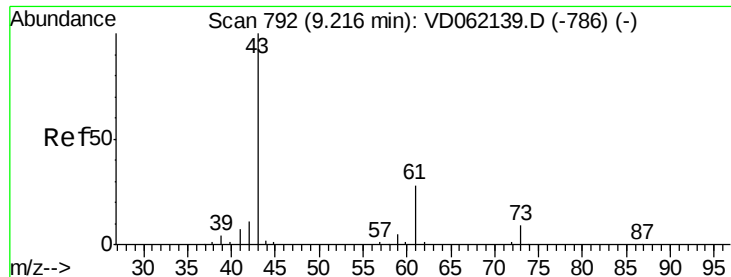
98 6.0 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 47.381 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

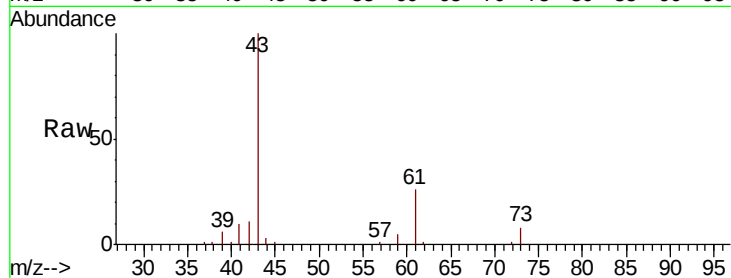
Tot Ion: 43 Resp: 209581

Ion Ratio Lower Upper

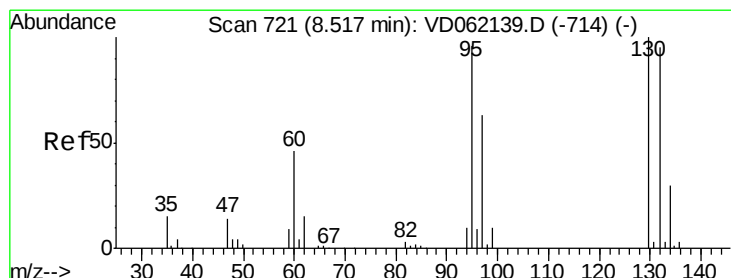
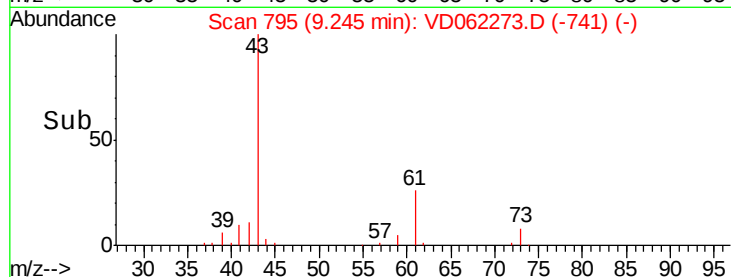
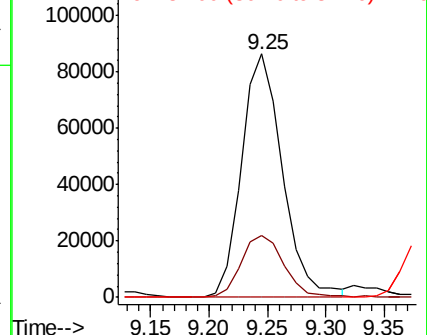
43 100

61 25.6 25.1 37.7

87 0.0 0.0 0.0



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: 52.964 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062273.D

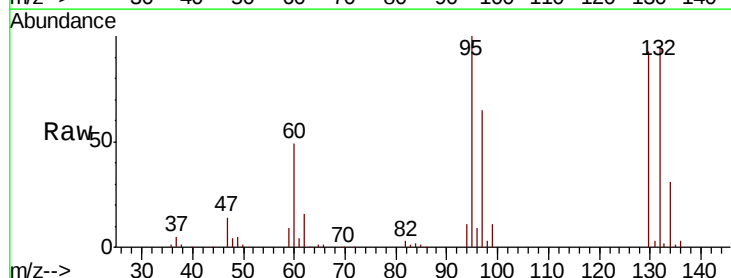
Acq: 12 May 2019 22:41

Tgt Ion: 130 Resp: 335171

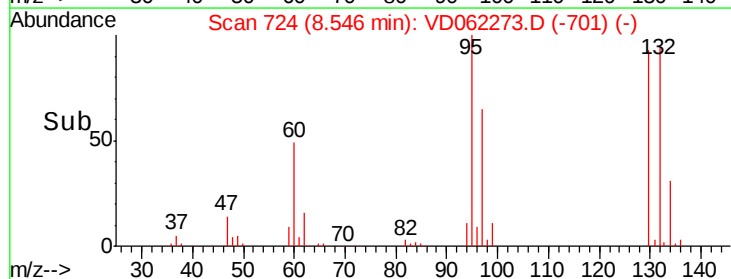
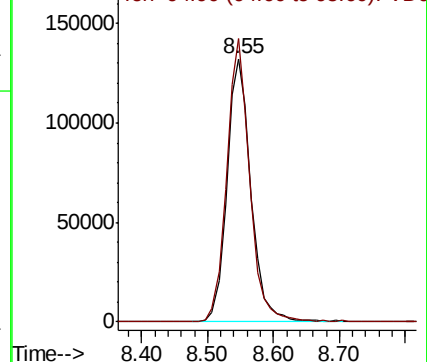
Ion Ratio Lower Upper

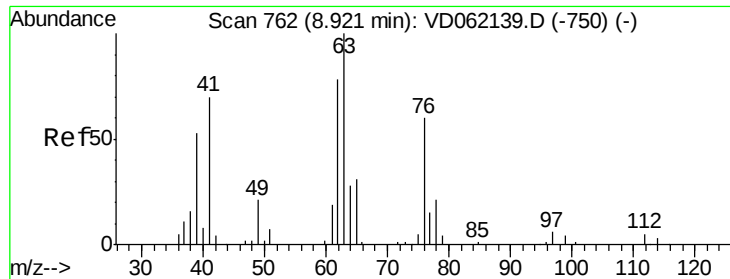
130 100

95 107.4 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 52.246 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

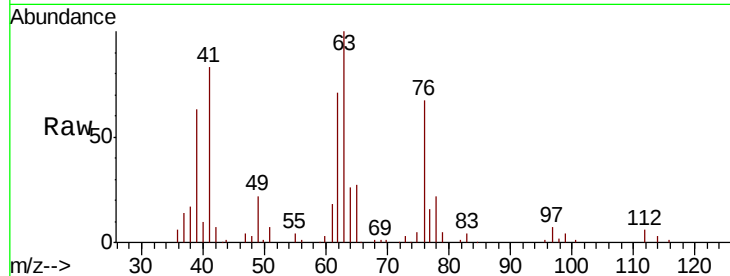
VSTDCCC050

Tot Ion: 63 Resp: 214616

Ion Ratio Lower Upper

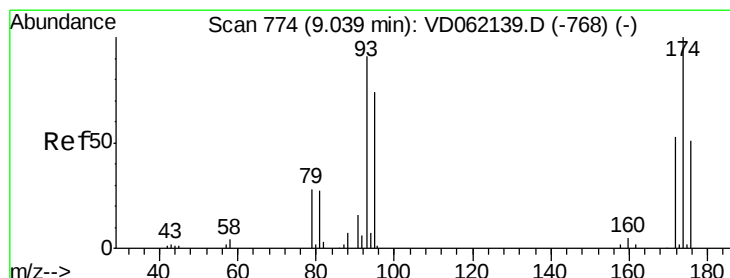
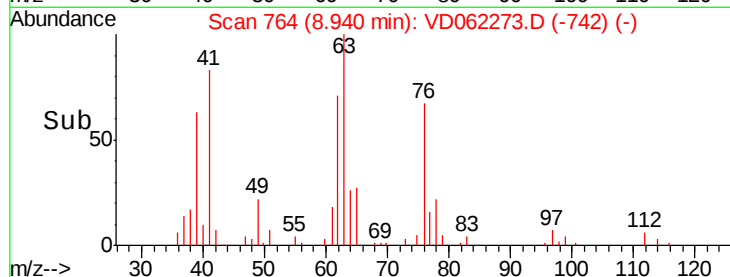
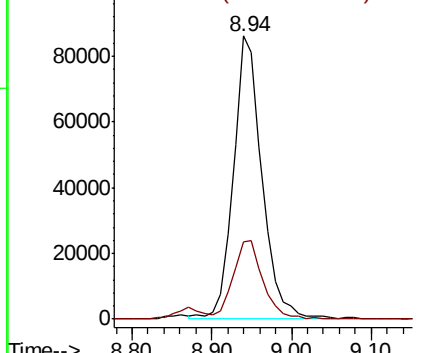
63 100

65 27.3 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.633 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

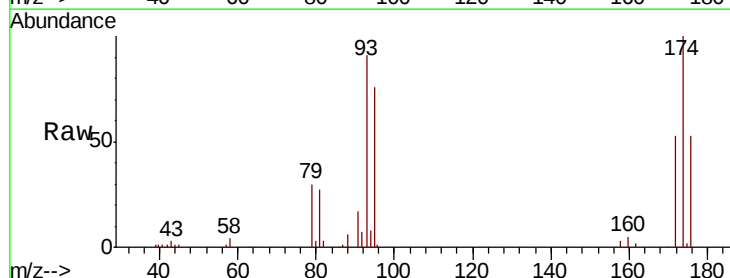
Tgt Ion: 93 Resp: 185837

Ion Ratio Lower Upper

93 100

95 83.6 64.8 97.2

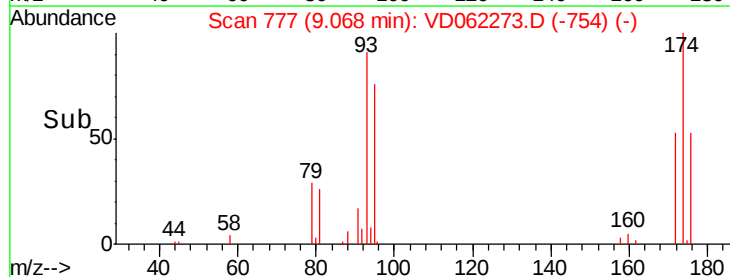
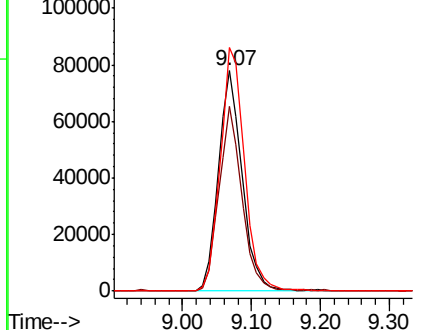
174 110.5 79.3 118.9

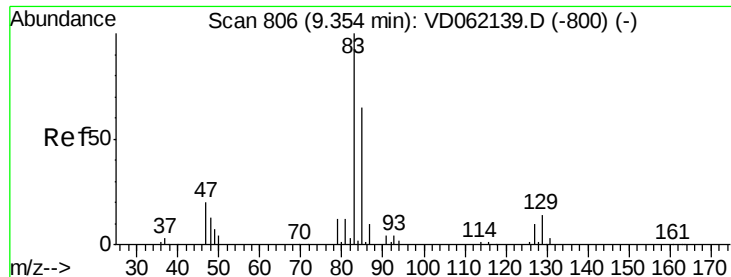


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 57.571 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

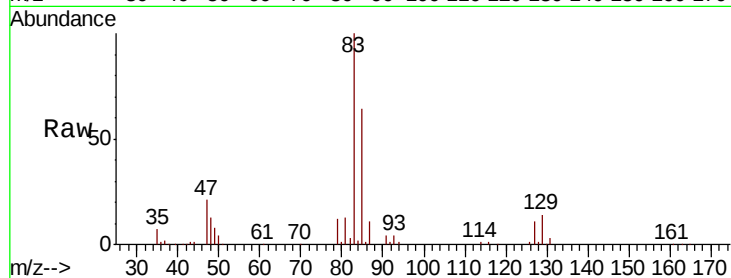
Tot Ion: 83 Resp: 470399

Ion Ratio Lower Upper

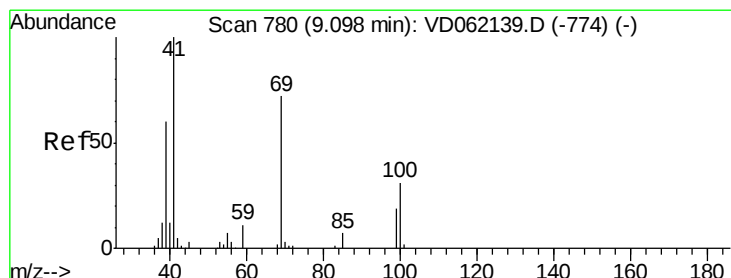
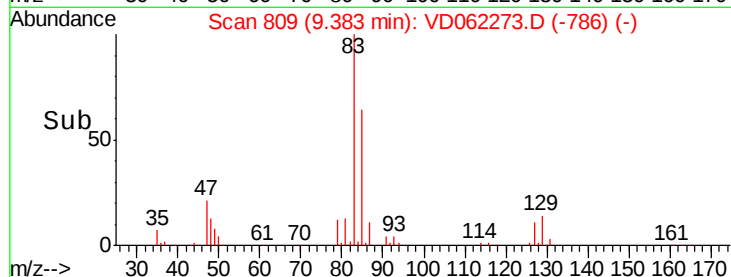
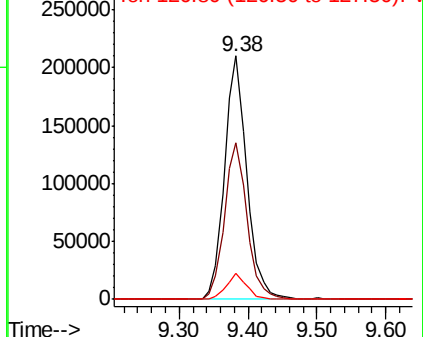
83 100

85 64.3 50.9 76.3

127 10.6 8.1 12.1



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: 50.262 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

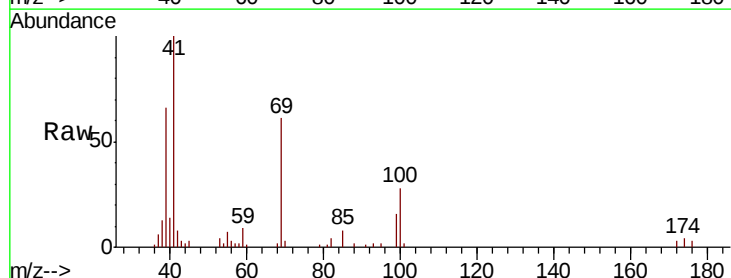
Tgt Ion: 41 Resp: 136943

Ion Ratio Lower Upper

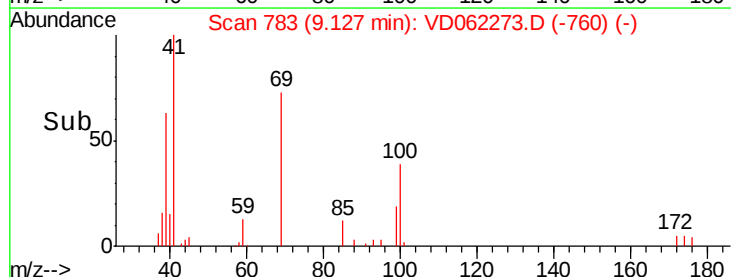
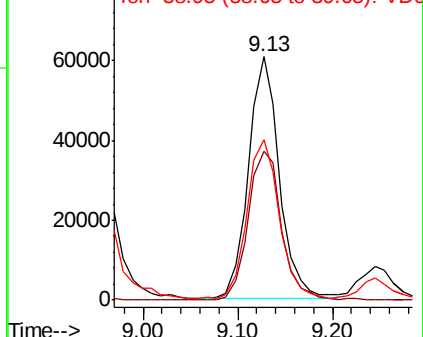
41 100

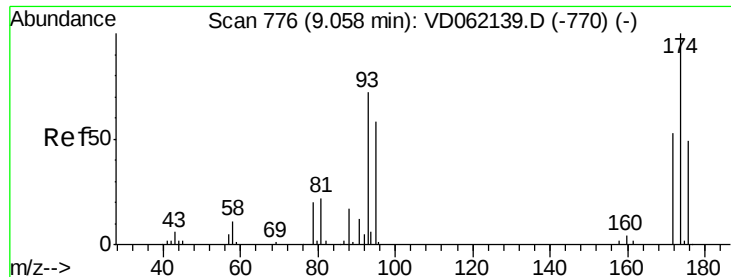
69 60.9 64.2 96.2#

39 65.8 46.8 70.2



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

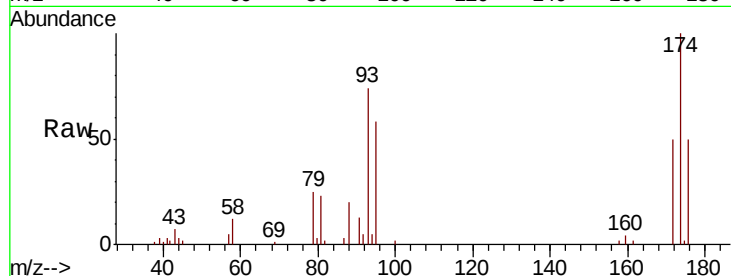




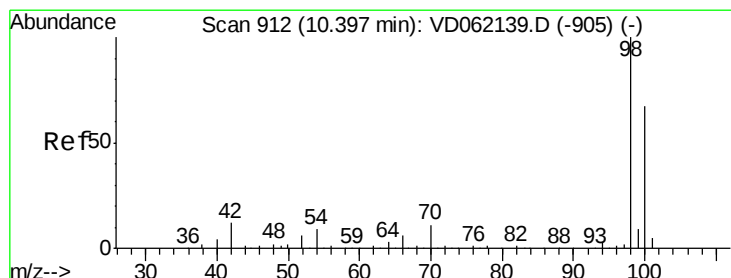
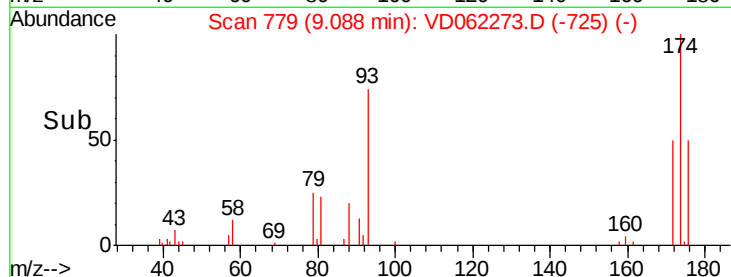
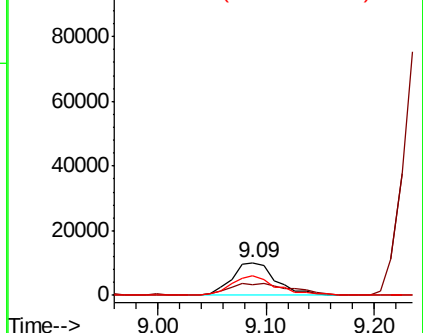
#49
 1,4-Dioxane
 Concen: 972.752 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 28596
 Ion Ratio Lower Upper
 88 100
 43 32.7 23.4 35.0
 58 59.7 44.0 66.0

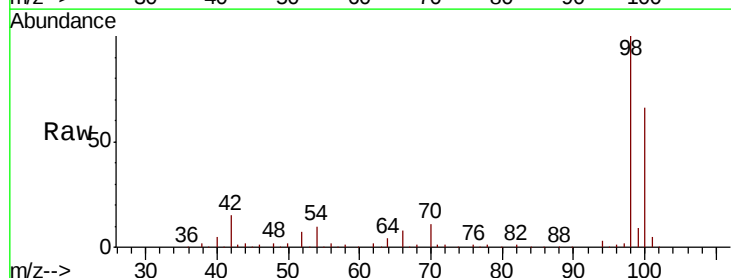


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

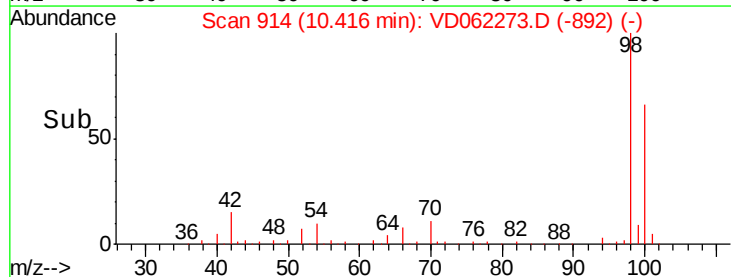
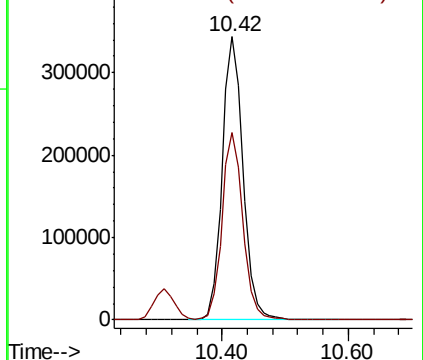


#50
 Toluene-d8
 Concen: 44.021 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion: 98 Resp: 789920
 Ion Ratio Lower Upper
 98 100
 100 66.0 53.8 80.8



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: 257.912 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

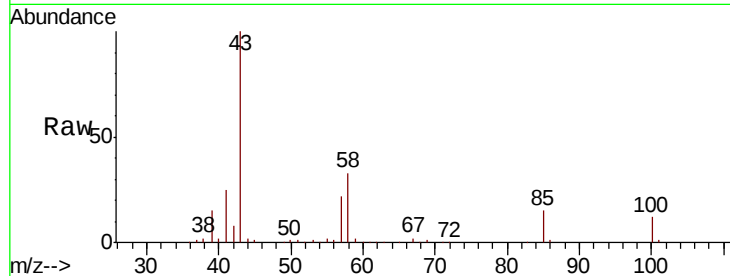
VSTDCCC050

Tot Ion: 43 Resp: 733336

Ion Ratio Lower Upper

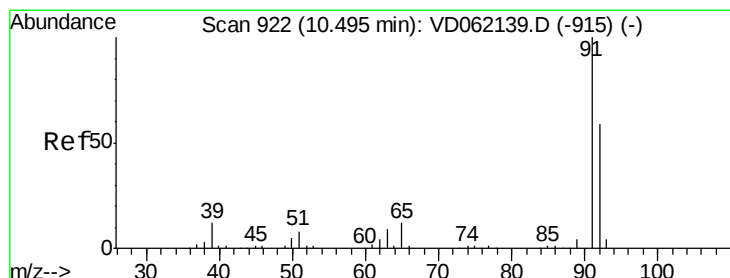
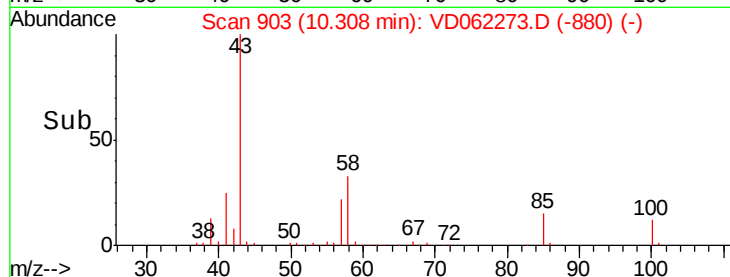
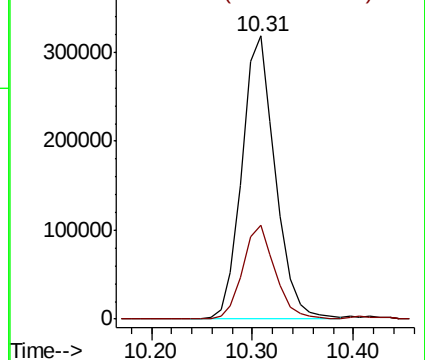
43 100

58 33.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.073 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062273.D

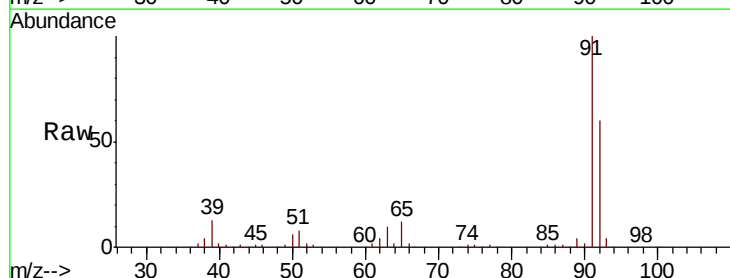
Acq: 12 May 2019 22:41

Tgt Ion: 92 Resp: 551859

Ion Ratio Lower Upper

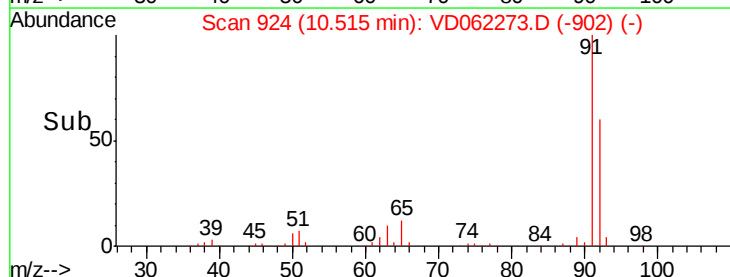
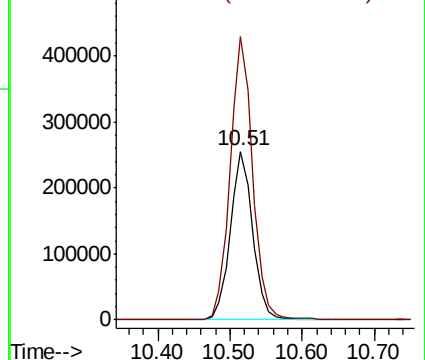
92 100

91 167.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

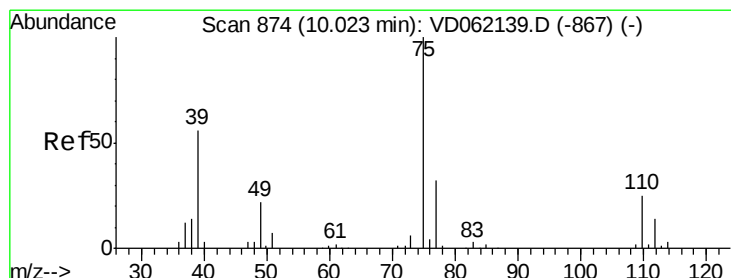
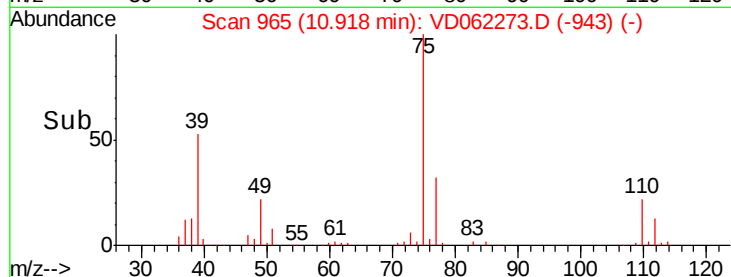
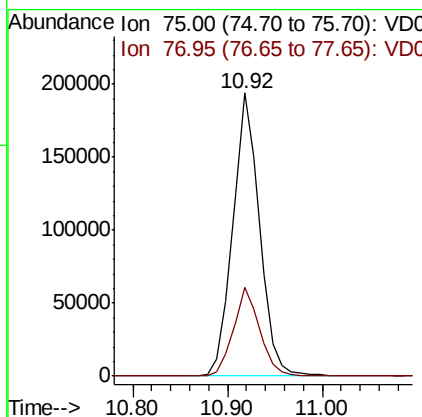
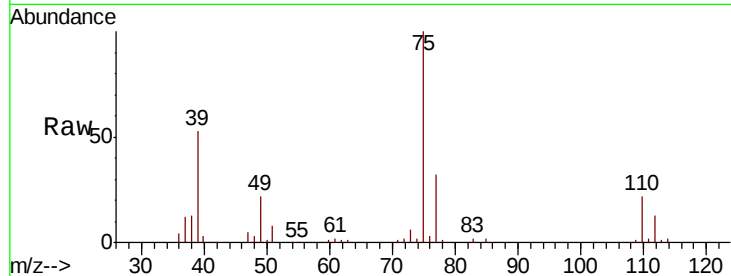




#53
 t-1,3-Dichloropropene
 Concen: 53.749 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

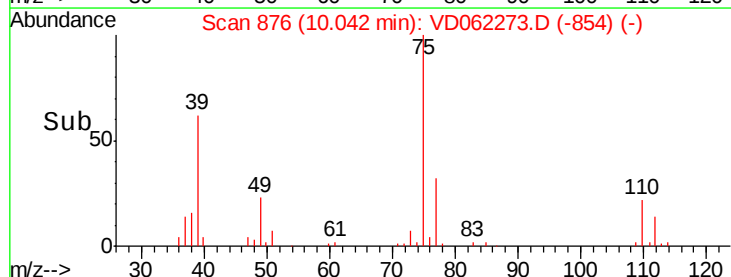
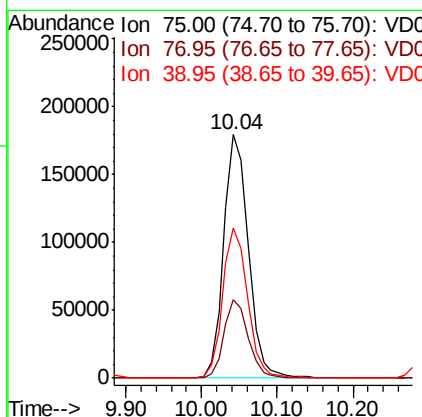
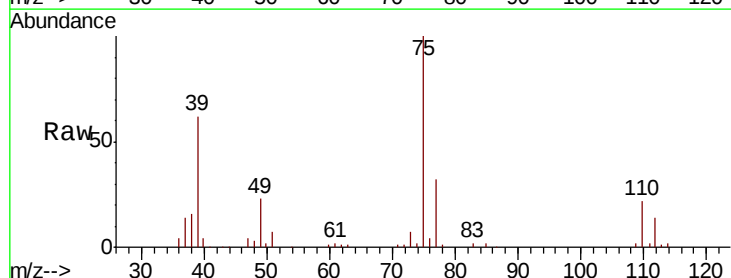
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 379569
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.444 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion: 75 Resp: 404028
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.5 38.3
 39 61.9 39.4 59.2#

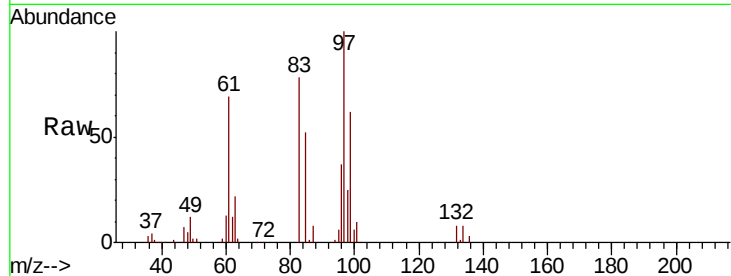




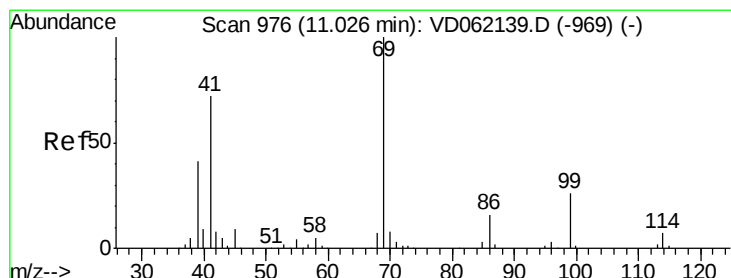
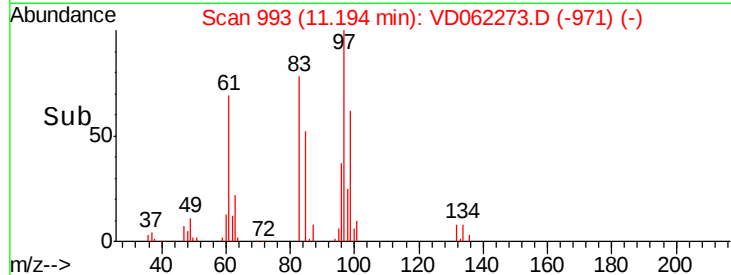
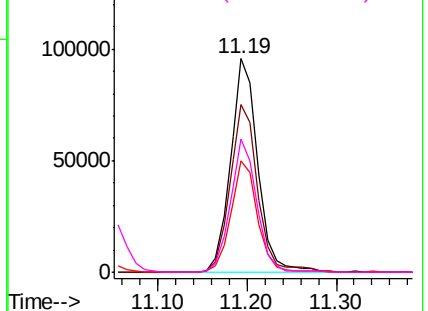
#55
 1,1,2-Trichloroethane
 Concen: 53.276 ug/l
 RT: 11.19 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:	97	Resp:	203683
Ion	Ratio	Lower	Upper
97	100		
83	78.2	65.7	98.5
85	52.0	45.6	68.4
99	62.4	48.4	72.6

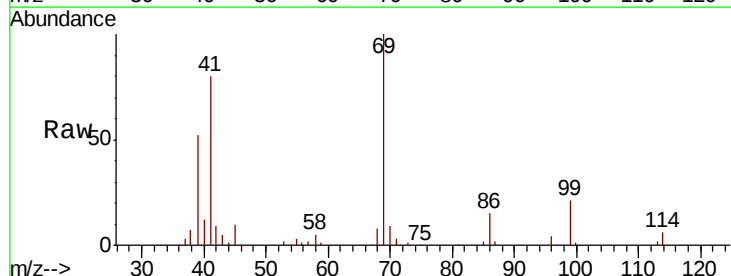


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

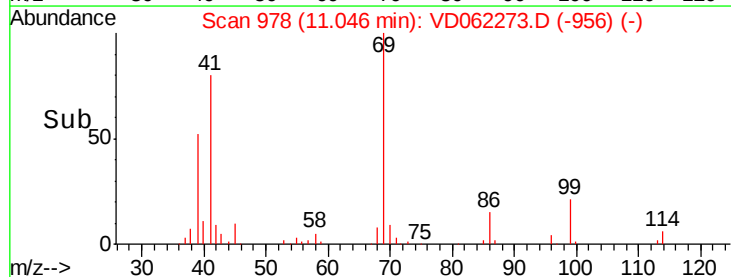
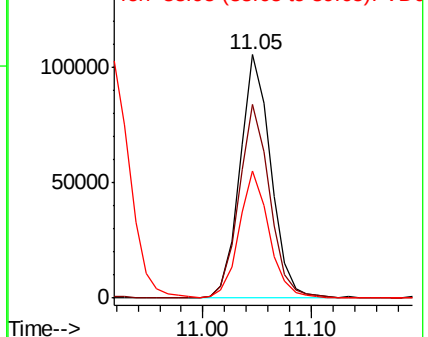


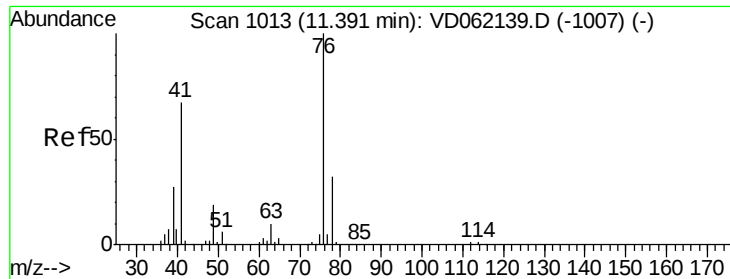
#56
 Ethyl methacrylate
 Concen: 52.663 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion:	69	Resp:	209221
Ion	Ratio	Lower	Upper
69	100		
41	79.7	56.3	84.5
39	52.3	29.4	44.2#



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: 54.424 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

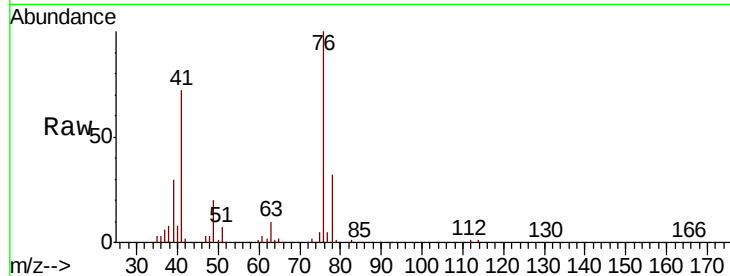
VSTDCCC050

Tot Ion: 76 Resp: 314344

Ion Ratio Lower Upper

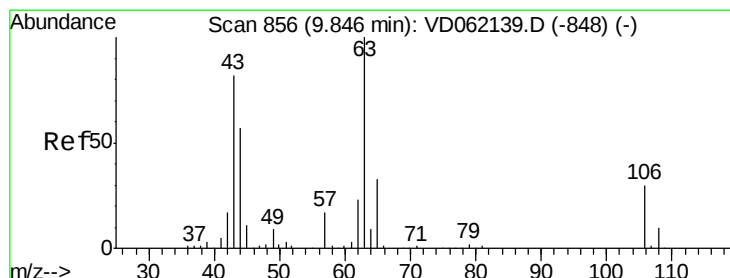
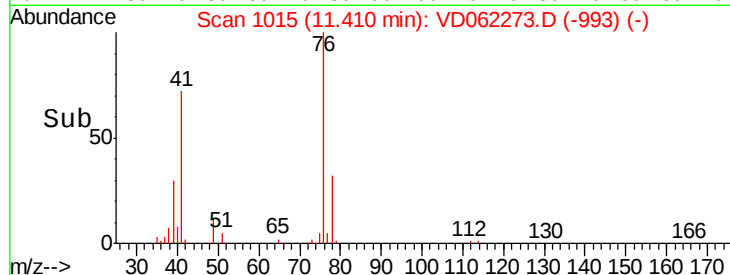
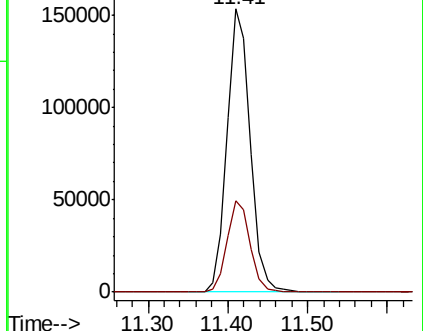
76 100

78 32.3 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 270.643 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062273.D

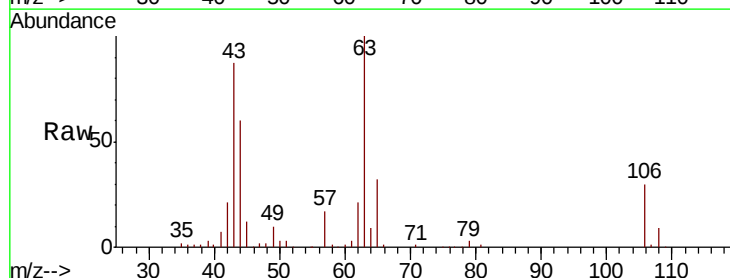
Acq: 12 May 2019 22:41

Tgt Ion: 63 Resp: 587325

Ion Ratio Lower Upper

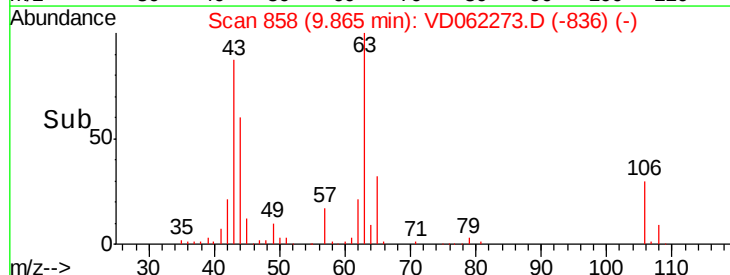
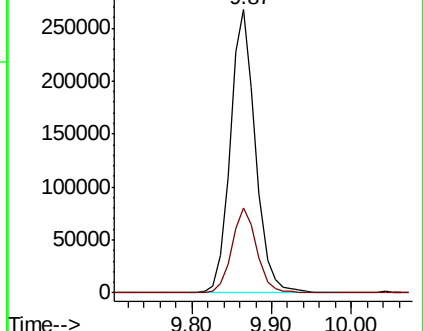
63 100

106 30.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

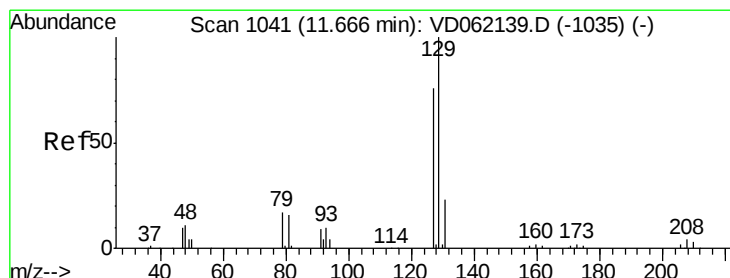
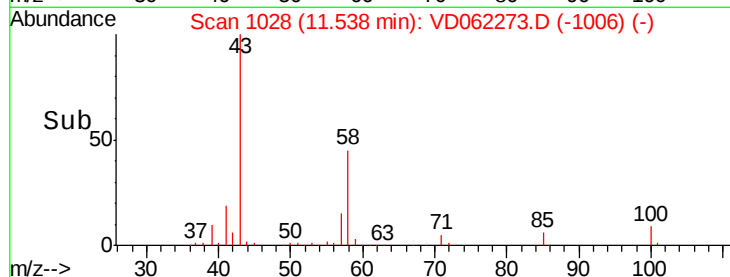
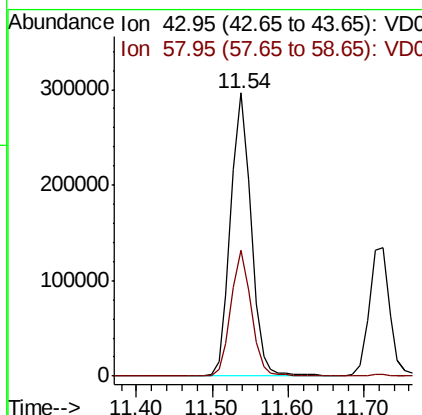
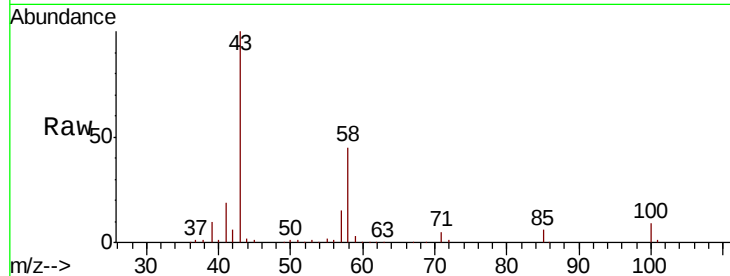




#59
2-Hexanone
Concen: 264.727 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

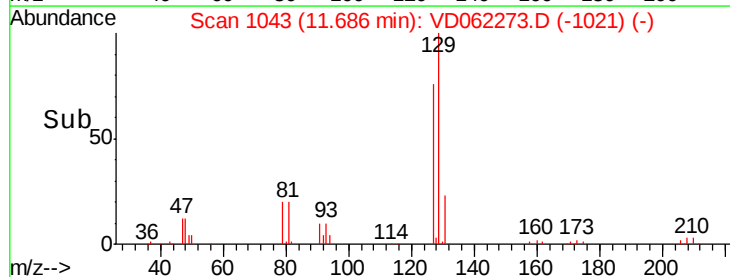
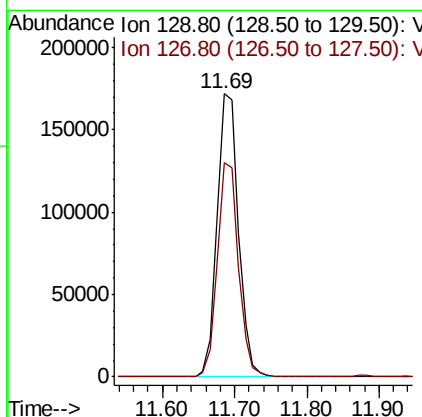
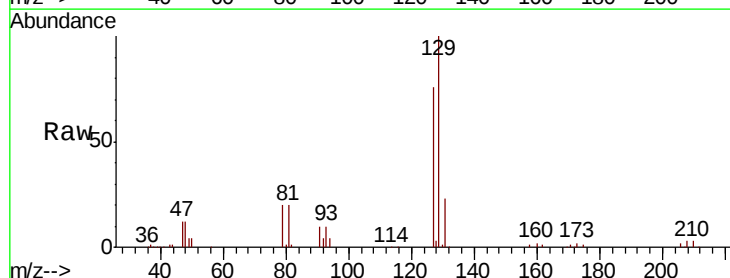
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 554778
Ion Ratio Lower Upper
43 100
58 44.6 25.4 76.4



#60
Dibromochloromethane
Concen: 52.821 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 129 Resp: 349002
Ion Ratio Lower Upper
129 100
127 75.6 38.0 113.9

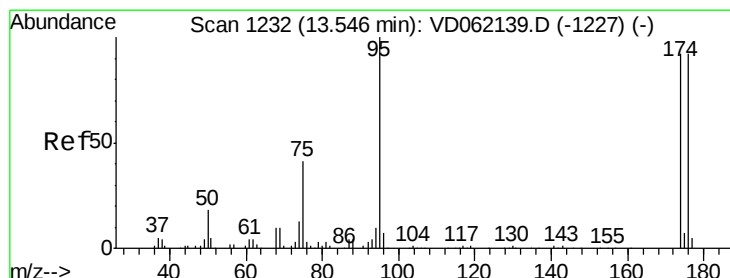
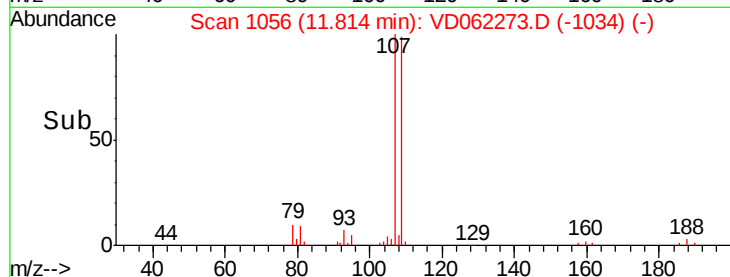
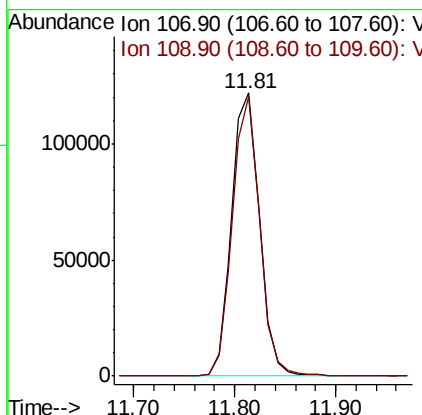
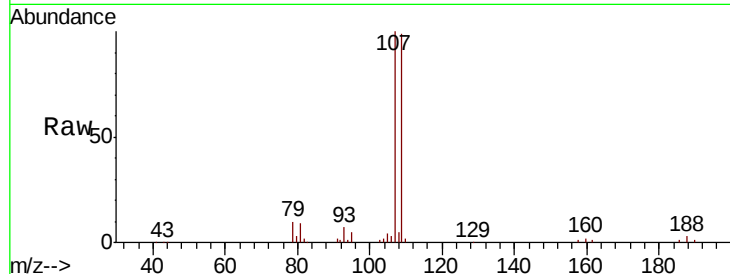




#61
 1,2-Dibromoethane
 Concen: 50.353 ug/l
 RT: 11.81 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

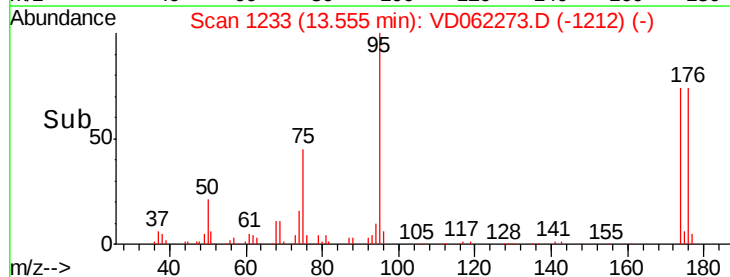
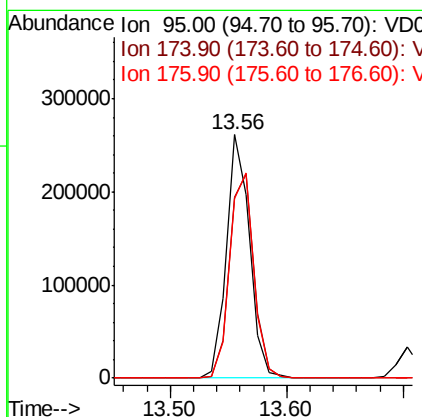
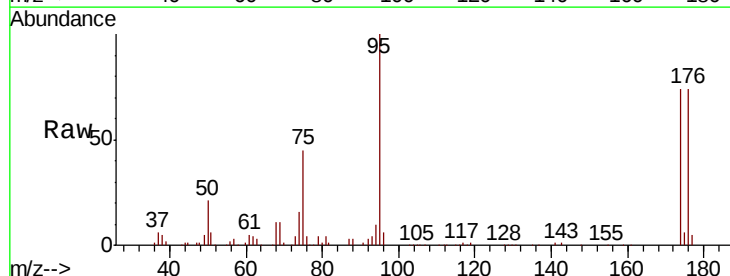
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 234045
 Ion Ratio Lower Upper
 107 100
 109 98.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 49.783 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion: 95 Resp: 358721
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 181.8
 176 73.6 0.0 174.4

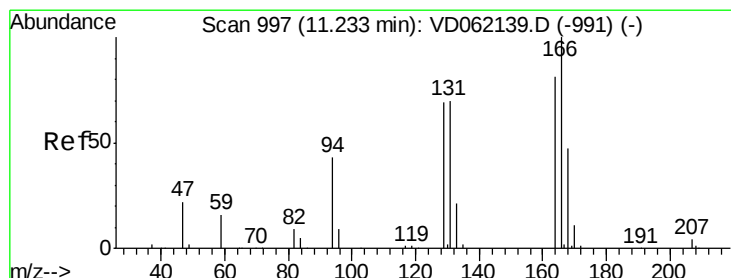
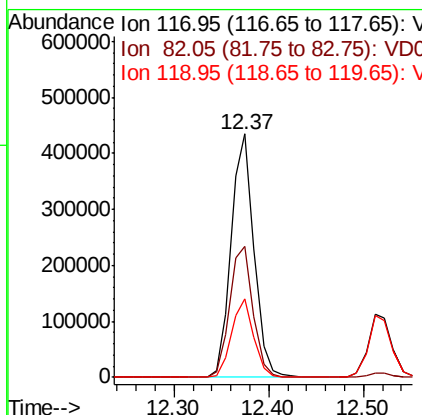
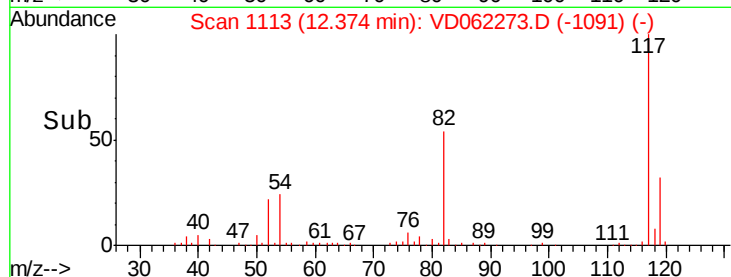
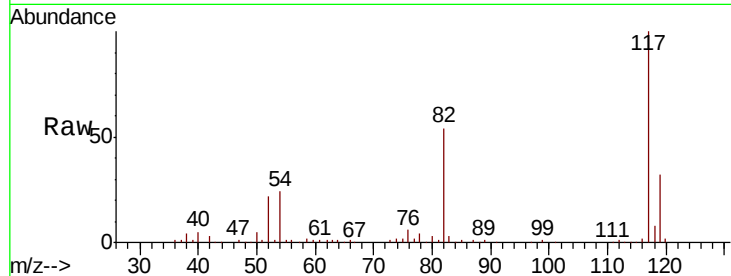




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

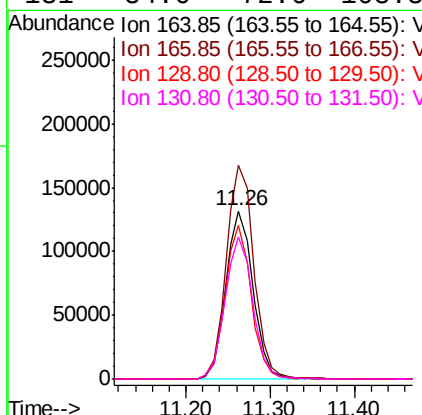
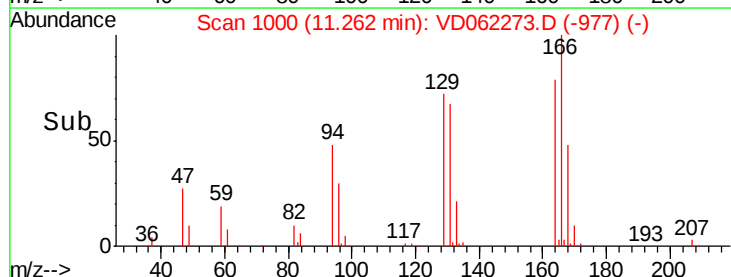
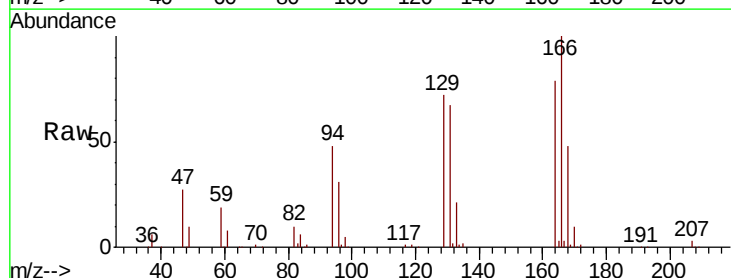
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 723919
Ion Ratio Lower Upper
117 100
82 53.6 36.2 54.2
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 52.075 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion:164 Resp: 294785
Ion Ratio Lower Upper
164 100
166 127.2 101.5 152.3
129 91.3 74.6 112.0
131 84.6 72.6 108.8

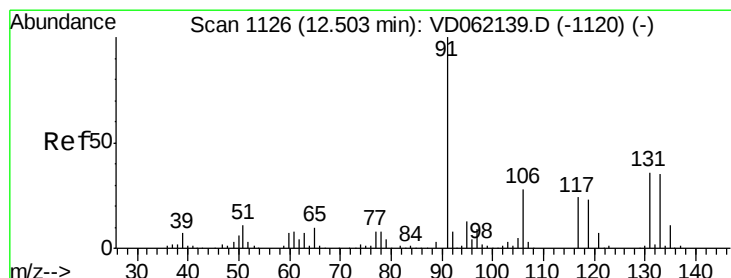
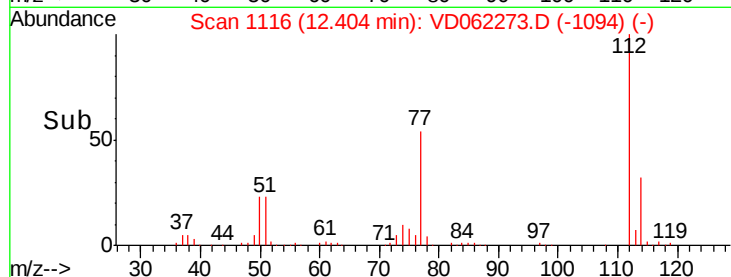
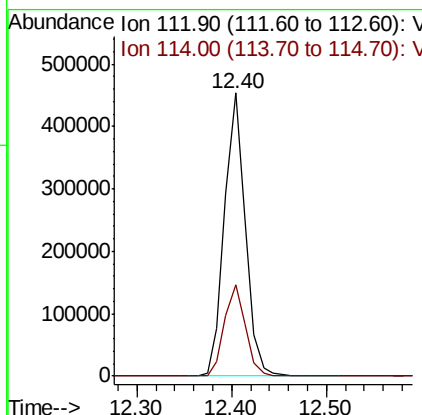
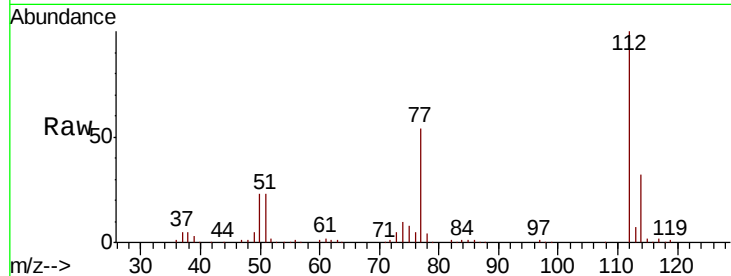




#65
Chlorobenzene
Concen: 51.389 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

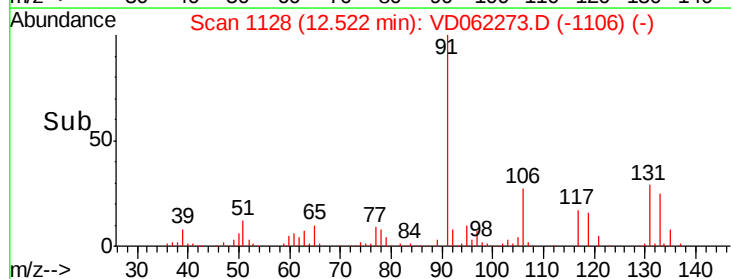
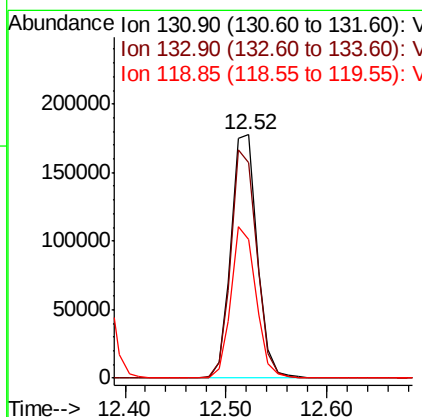
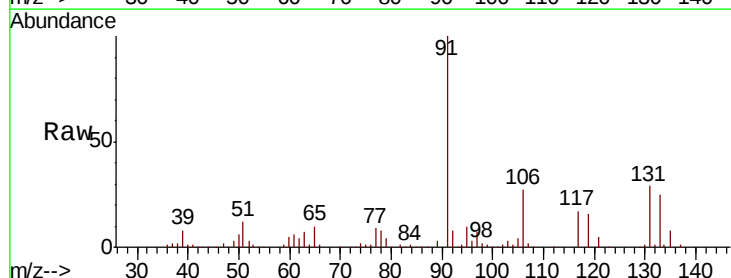
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 692883
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.365 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion:131 Resp: 319017
Ion Ratio Lower Upper
131 100
133 88.3 48.6 145.8
119 57.0 34.7 104.1

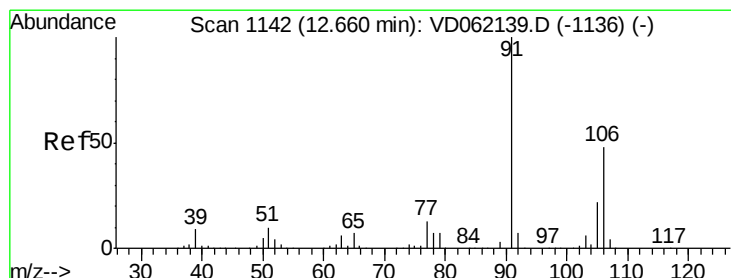
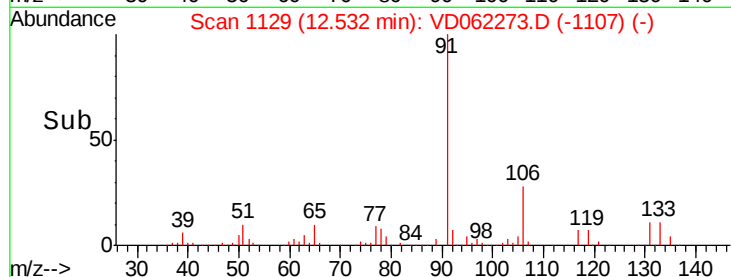
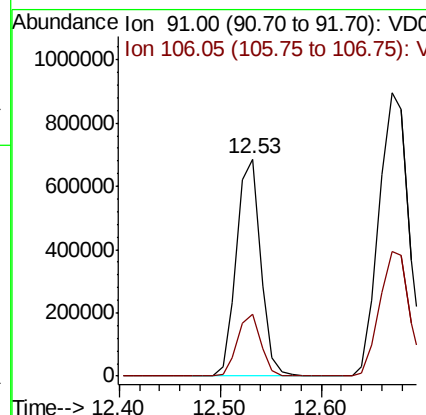
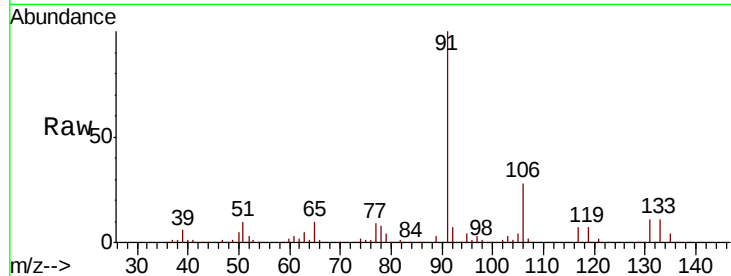




#67
Ethyl Benzene
Concen: 50.701 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

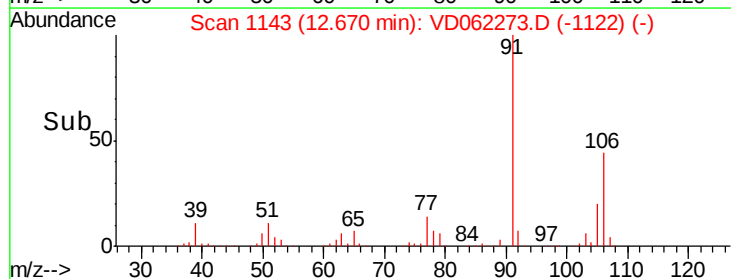
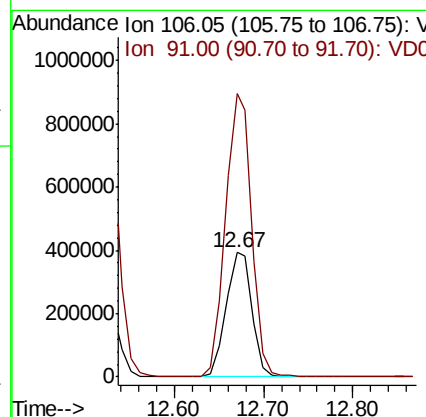
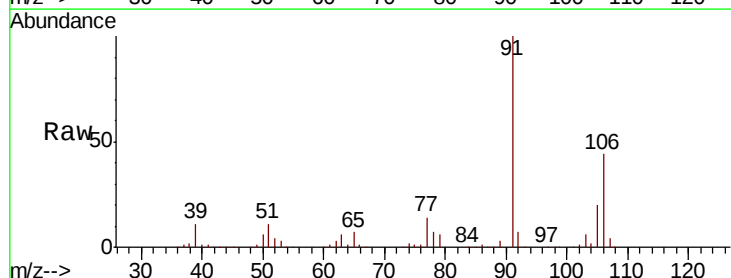
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

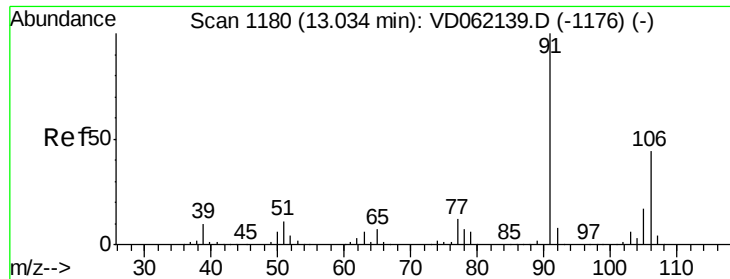
Tot Ion: 91 Resp: 1144479
Ion Ratio Lower Upper
91 100
106 28.3 24.7 37.1



#68
m/p-Xylenes
Concen: 98.144 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion:106 Resp: 806012
Ion Ratio Lower Upper
106 100
91 227.2 164.0 246.0

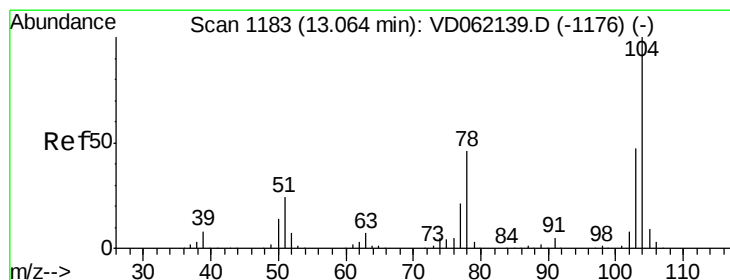
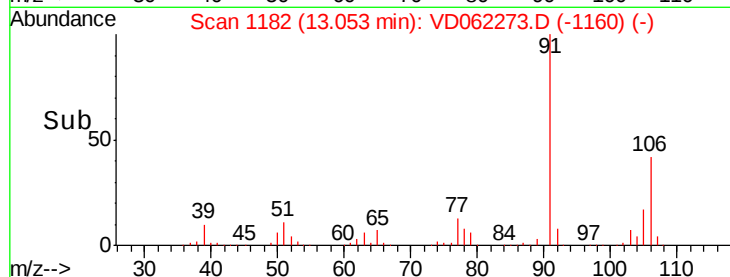
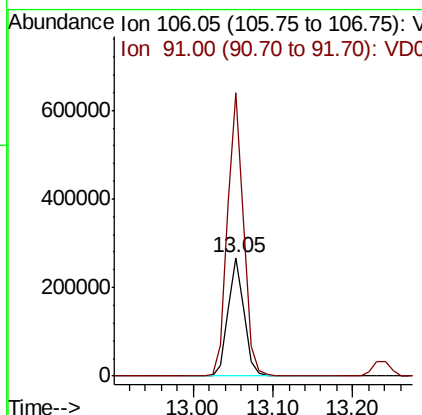
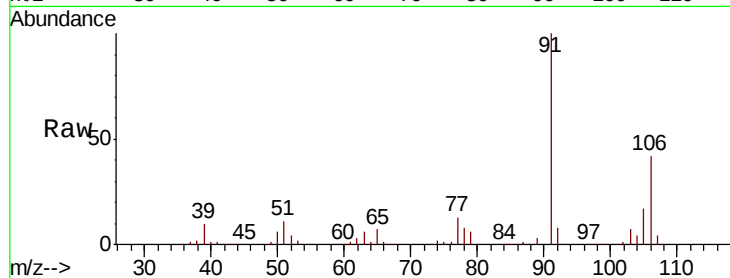




#69
o-Xylene
Concen: 49.652 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

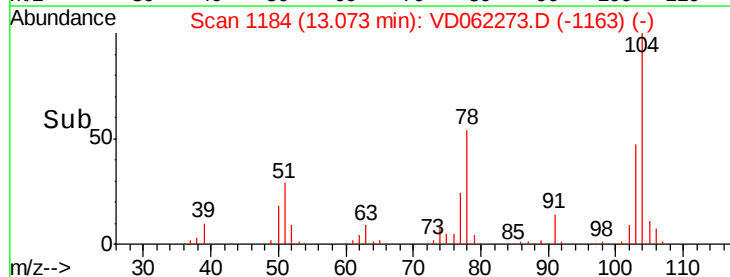
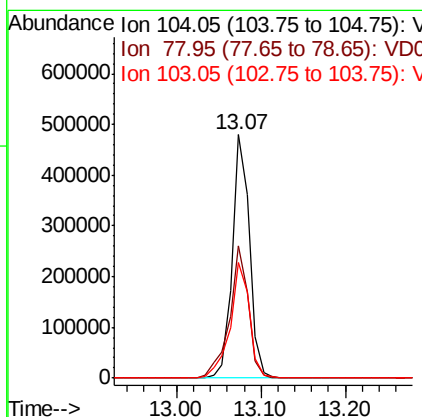
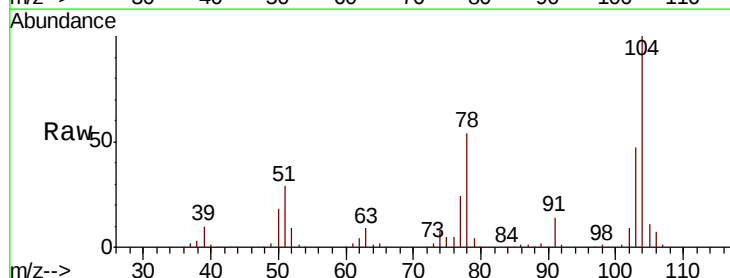
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 379097
Ion Ratio Lower Upper
106 100
91 238.3 106.7 319.9



#70
Styrene
Concen: 52.592 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion:104 Resp: 680224
Ion Ratio Lower Upper
104 100
78 54.5 35.4 53.2#
103 47.4 37.5 56.3





#71

Bromoform

Concen: 54.672 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

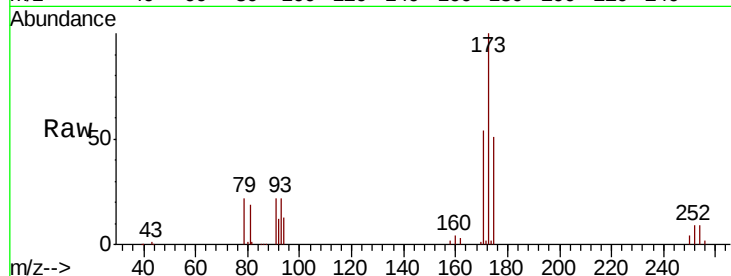
Tot Ion:173 Resp: 223205

Ion Ratio Lower Upper

173 100

175 51.4 24.4 73.4

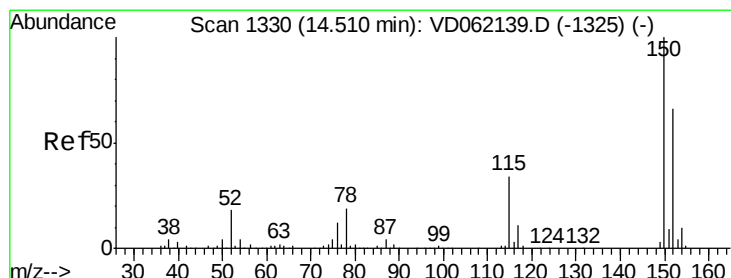
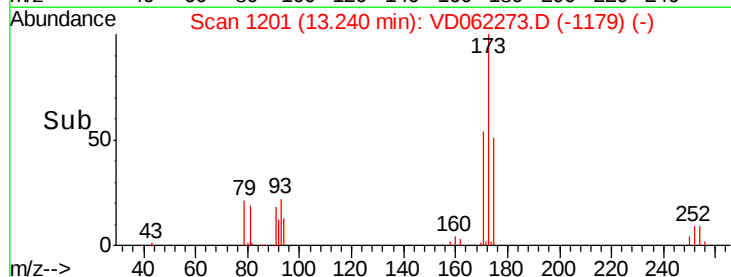
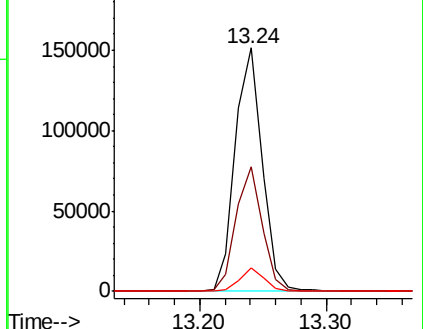
254 9.4 5.4 8.2#



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: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

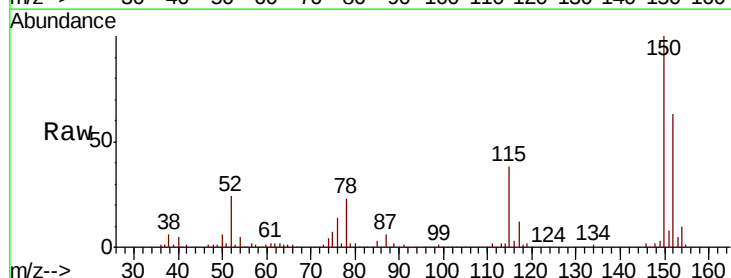
Tgt Ion:152 Resp: 406897

Ion Ratio Lower Upper

152 100

115 60.8 30.9 92.7

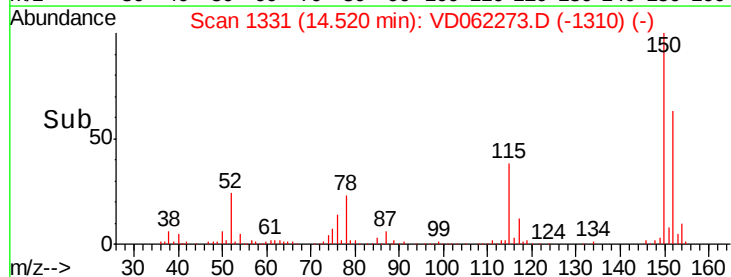
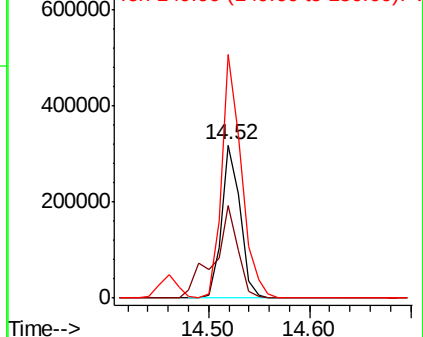
150 159.1 0.0 314.8

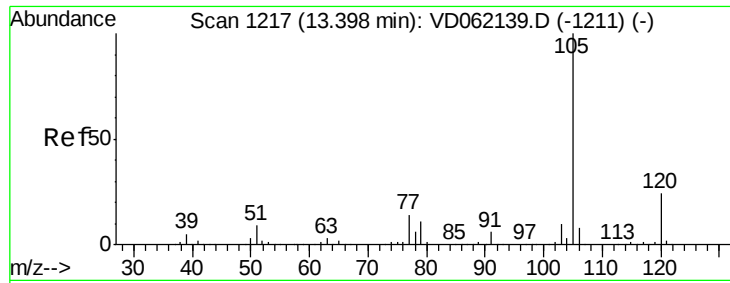


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

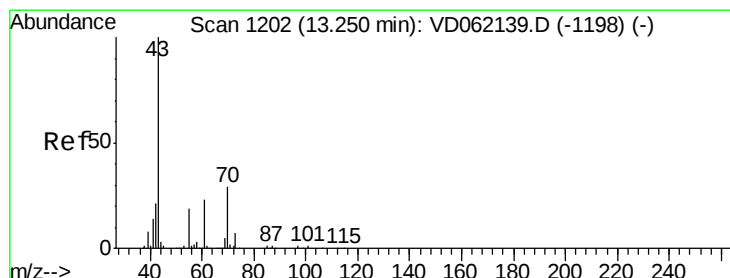
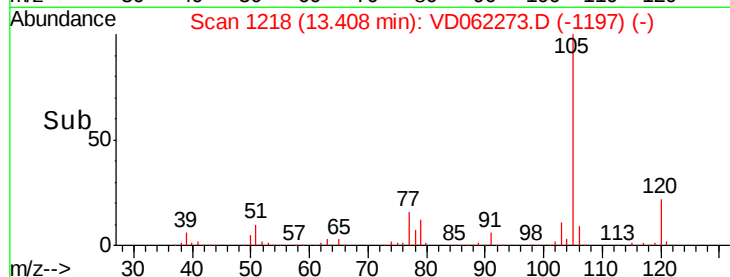
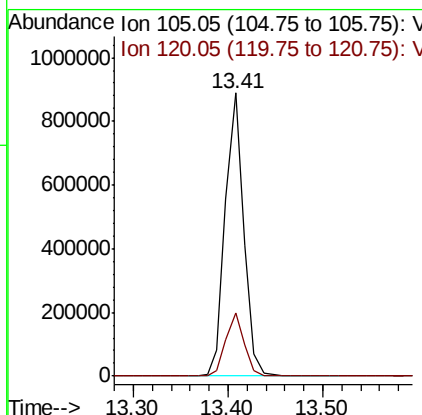
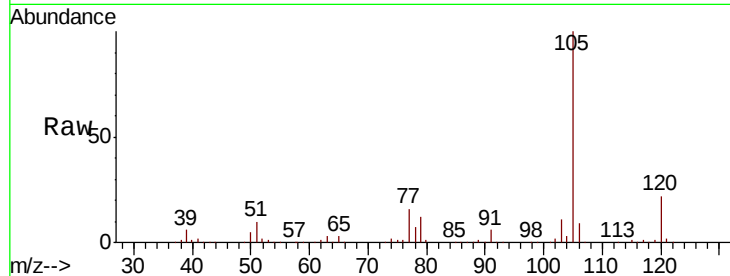




#73
Isopropylbenzene
Concen: 49.263 ug/l
RT: 13.41 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

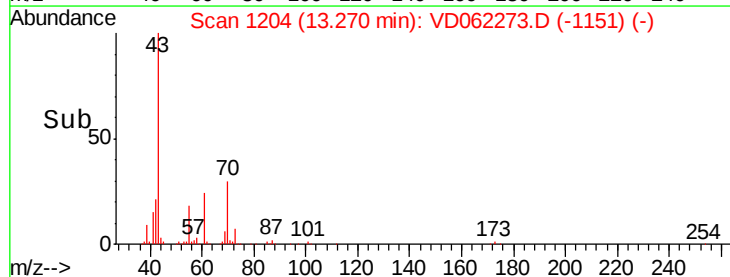
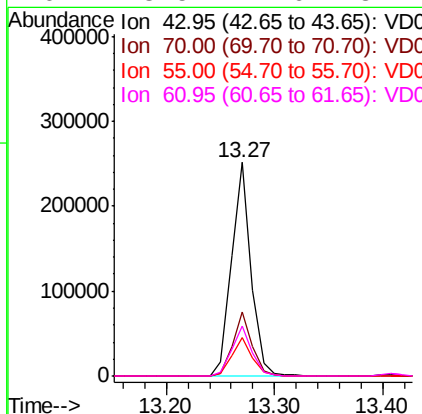
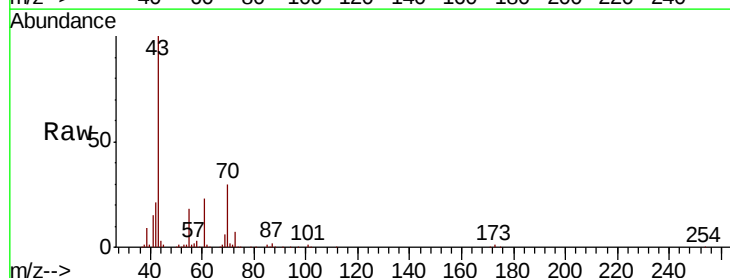
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

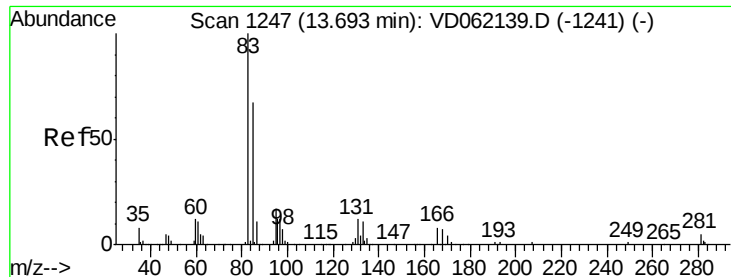
Tot Ion:105 Resp: 1201553
Ion Ratio Lower Upper
105 100
120 22.5 12.0 36.1



#74
N-ethyl acetate
Concen: 49.424 ug/l
RT: 13.27 min Scan# 1204
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 43 Resp: 316056
Ion Ratio Lower Upper
43 100
70 29.7 24.2 36.4
55 17.8 16.0 24.0
61 23.5 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.101 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

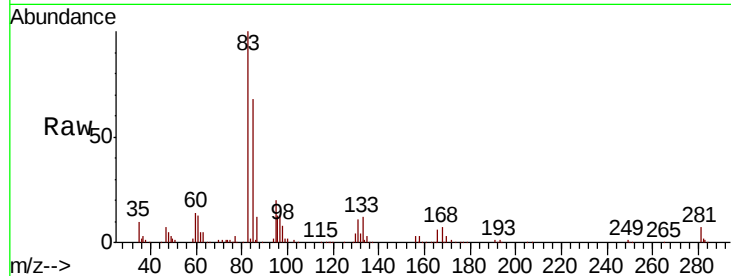
Tot Ion: 83 Resp: 212869

Ion Ratio Lower Upper

83 100

131 11.2 5.0 14.9

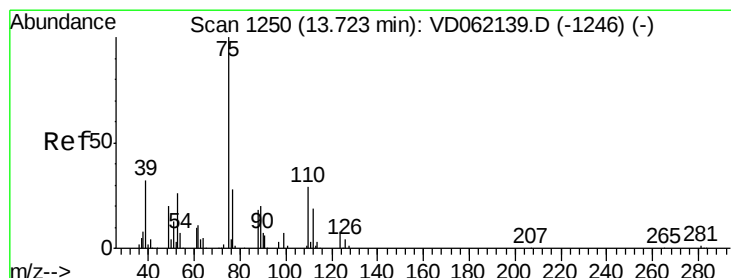
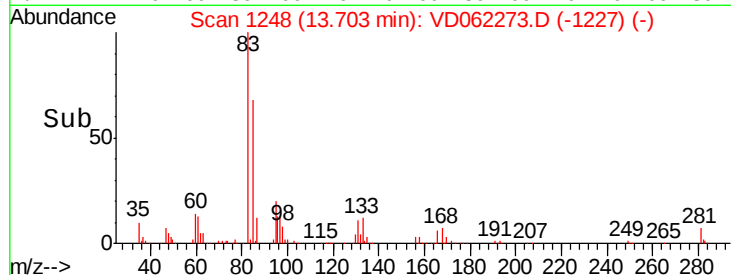
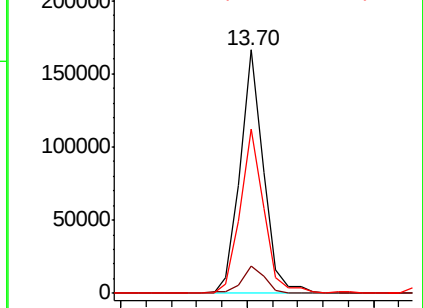
85 67.6 32.6 97.7



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: 45.932 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062273.D

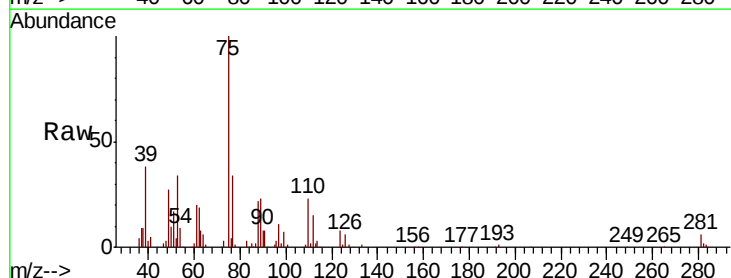
Acq: 12 May 2019 22:41

Tgt Ion: 75 Resp: 222112

Ion Ratio Lower Upper

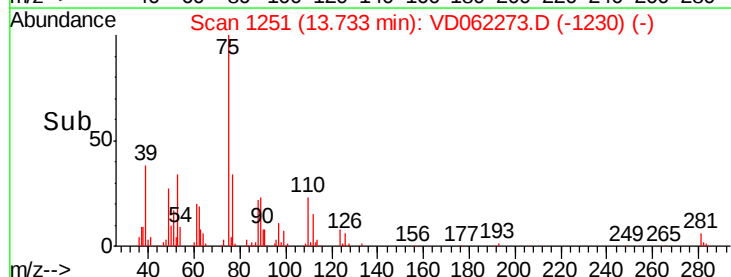
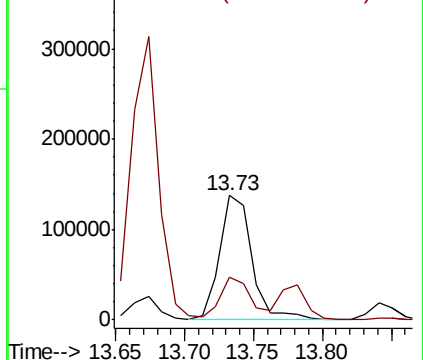
75 100

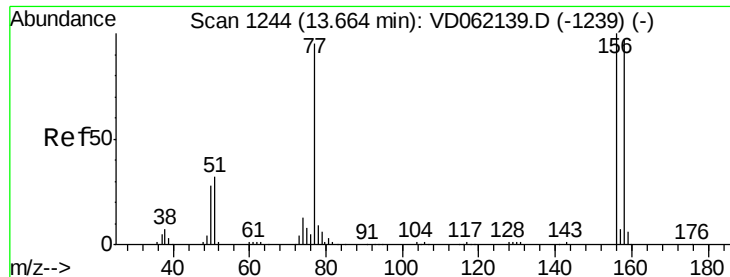
77 34.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.578 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

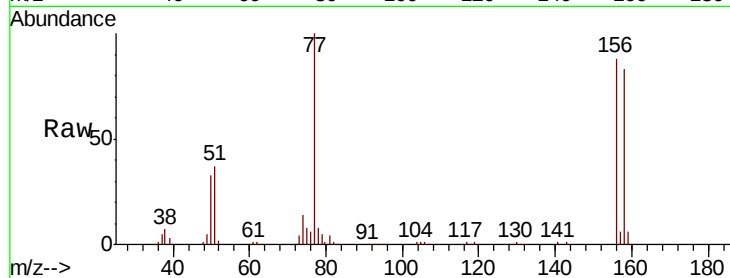
Tot Ion:156 Resp: 352165

Ion Ratio Lower Upper

156 100

77 113.7 53.1 159.4

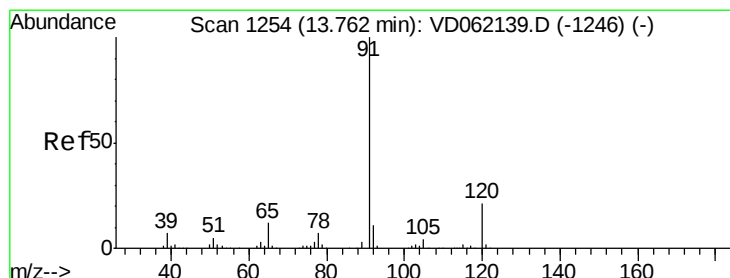
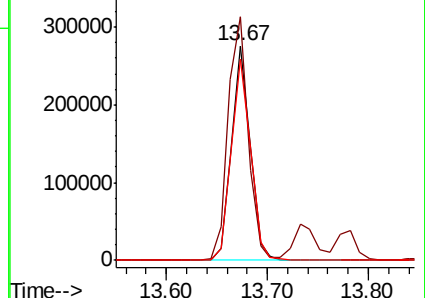
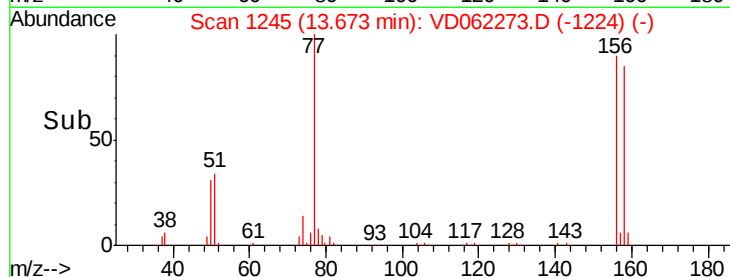
158 94.1 49.4 148.0



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: 45.090 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062273.D

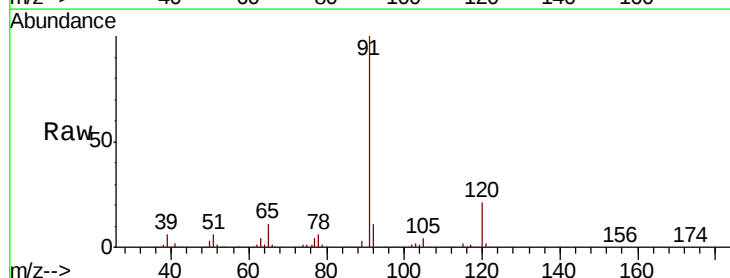
Acq: 12 May 2019 22:41

Tgt Ion: 91 Resp: 1311906

Ion Ratio Lower Upper

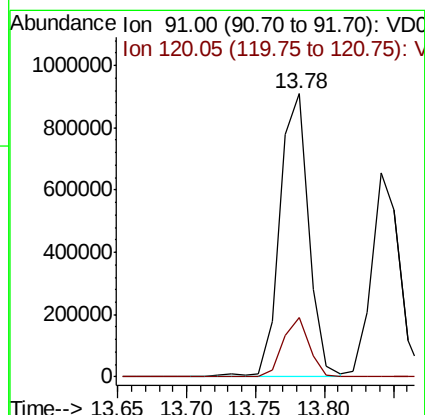
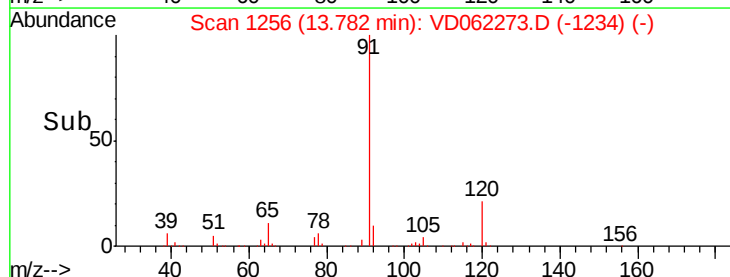
91 100

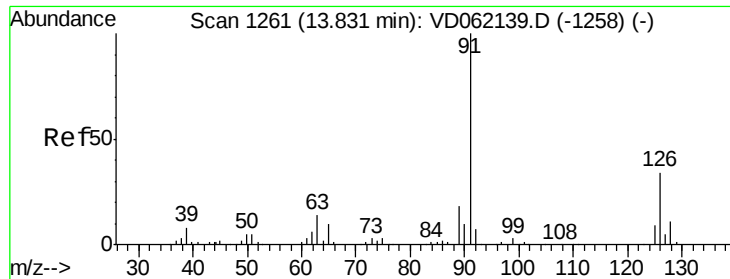
120 20.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

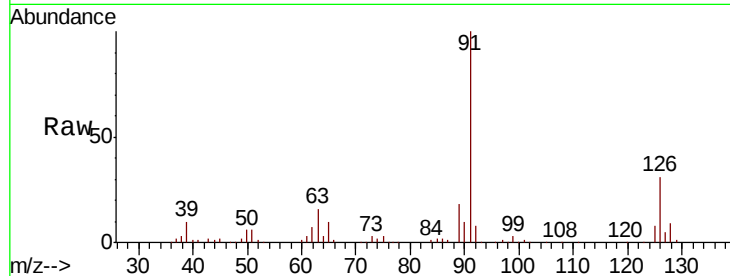




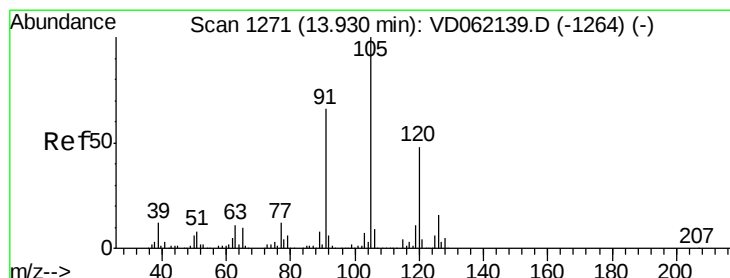
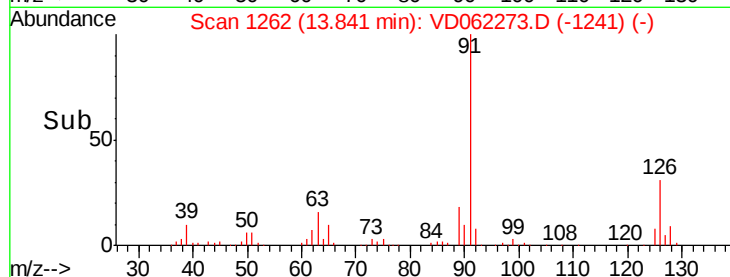
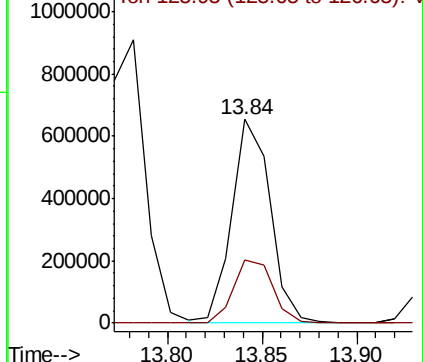
#79
 2-Chlorotoluene
 Concen: 54.644 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 910550
 Ion Ratio Lower Upper
 91 100
 126 30.8 18.6 55.8

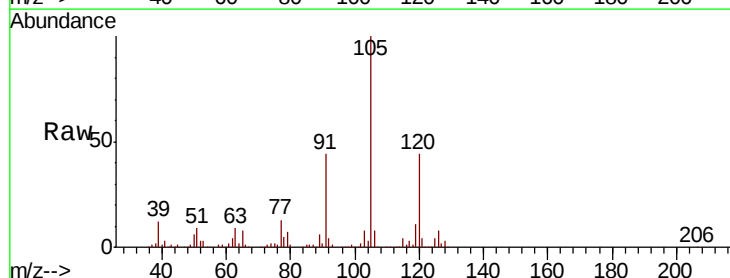


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

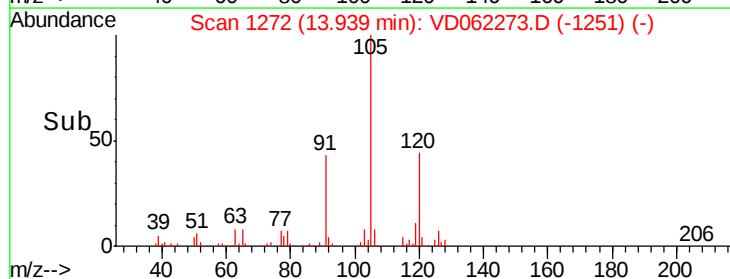
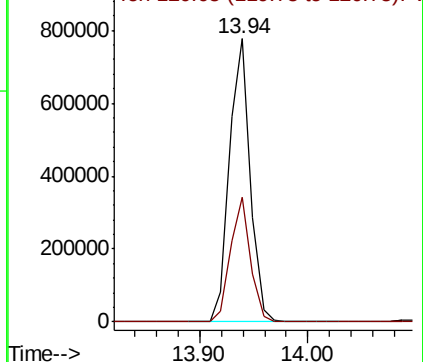


#80
 1,3,5-Trimethylbenzene
 Concen: 50.566 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion:105 Resp: 1038578
 Ion Ratio Lower Upper
 105 100
 120 44.1 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 44.170 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

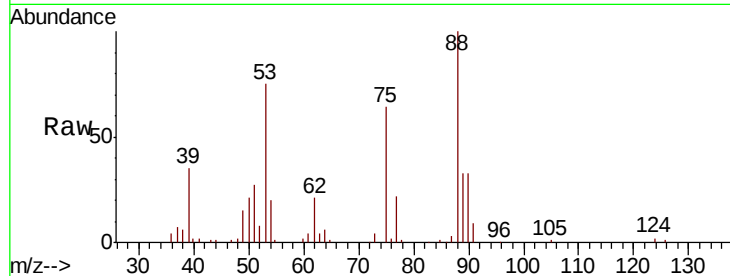
Tot Ion: 75 Resp: 60298

Ion Ratio Lower Upper

75 100

53 117.5 65.8 98.8#

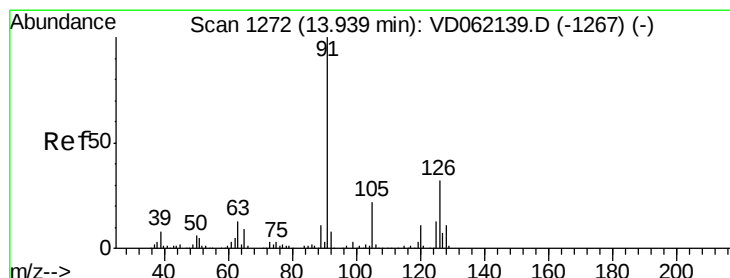
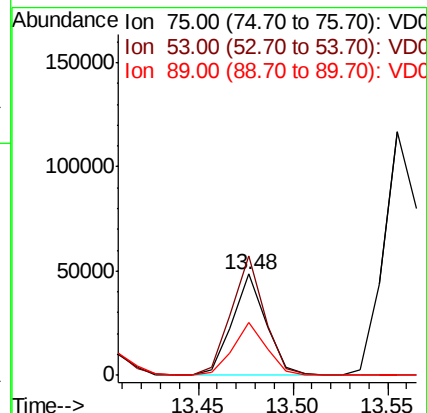
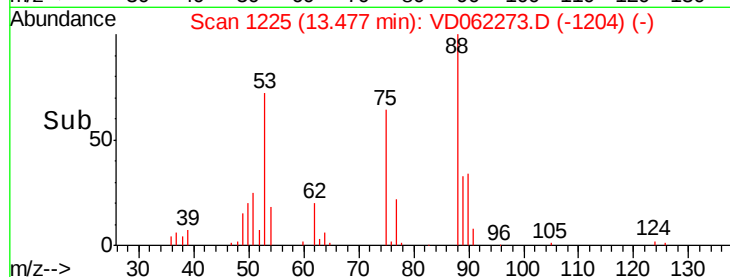
89 51.9 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 52.320 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062273.D

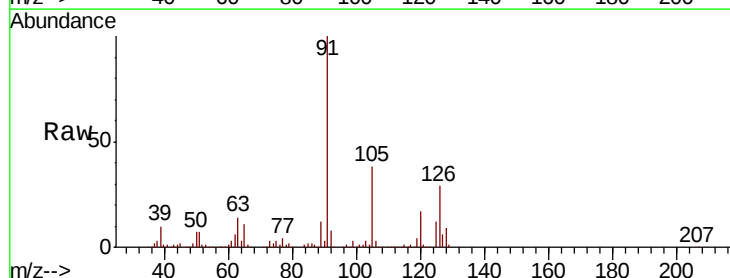
Acq: 12 May 2019 22:41

Tgt Ion: 91 Resp: 1025929

Ion Ratio Lower Upper

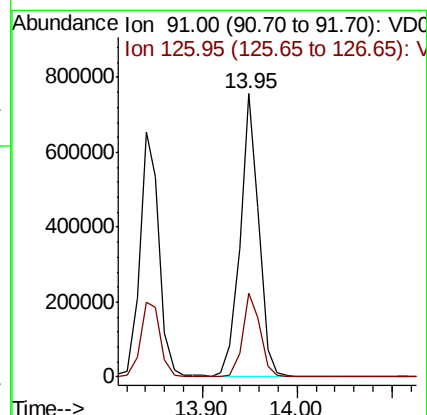
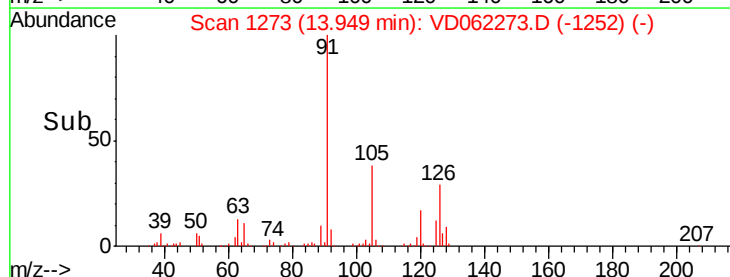
91 100

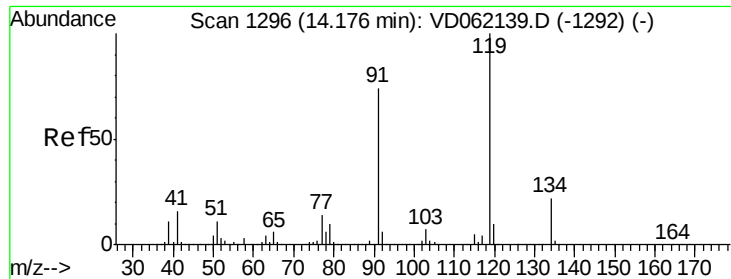
126 29.4 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

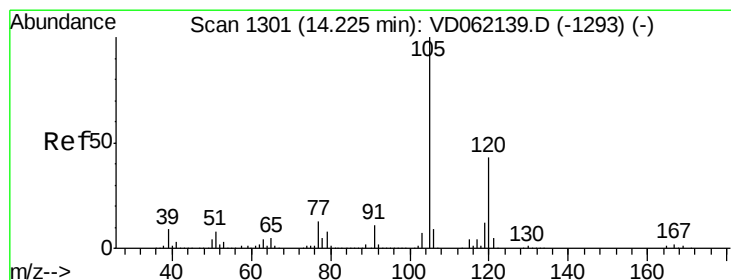
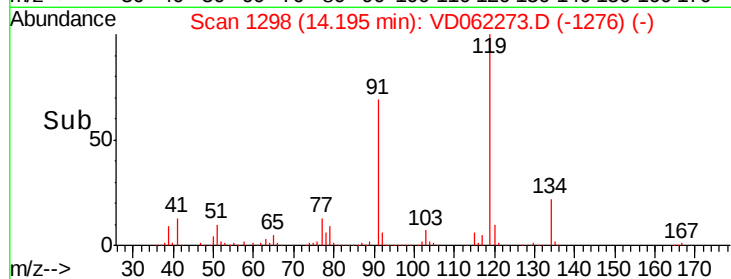
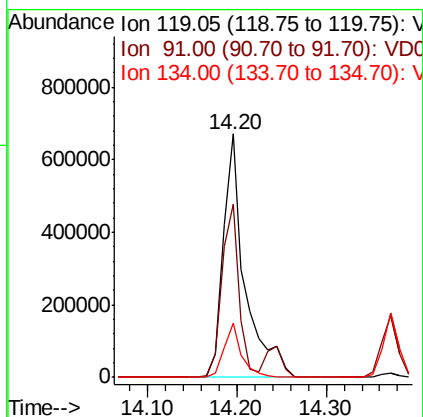
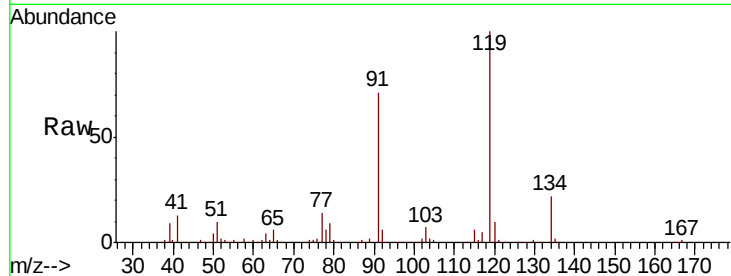




#83
tert-Butylbenzene
Concen: 49.641 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

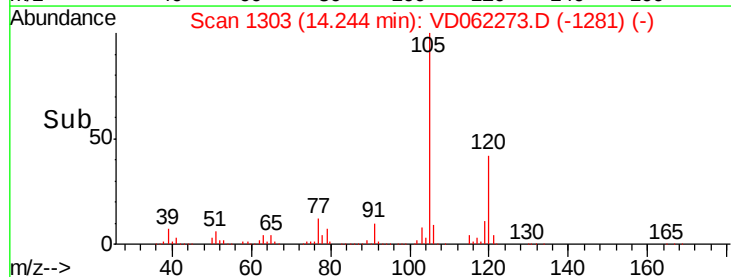
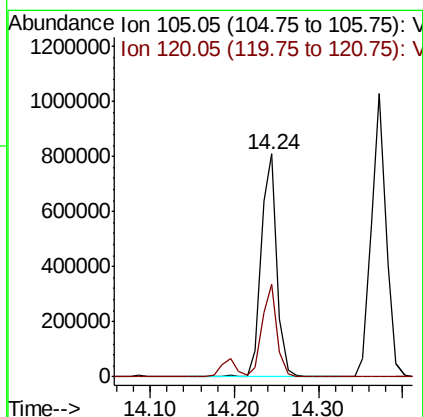
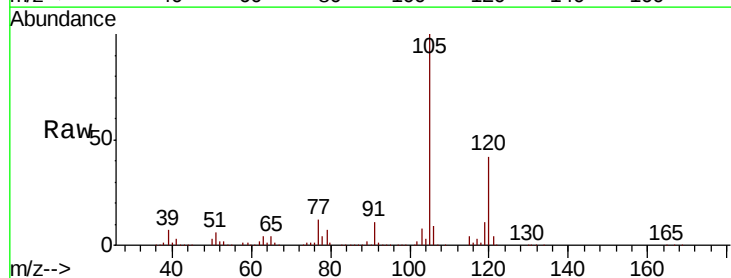
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

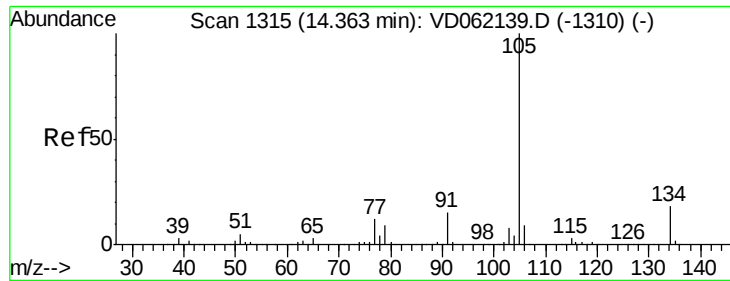
Tot Ion:119 Resp: 1145985
Ion Ratio Lower Upper
119 100
91 71.0 34.2 102.6
134 22.0 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 51.589 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion:105 Resp: 1063284
Ion Ratio Lower Upper
105 100
120 41.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 49.237 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

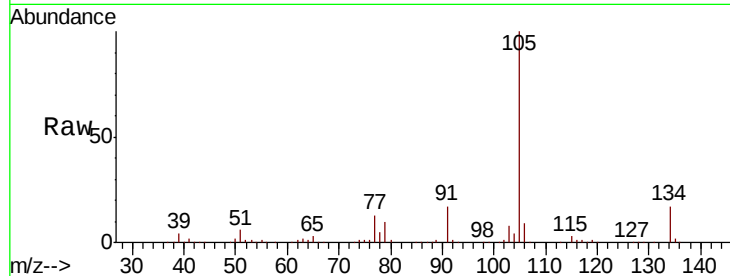
VSTDCCC050

Tot Ion:105 Resp: 1246260

Ion Ratio Lower Upper

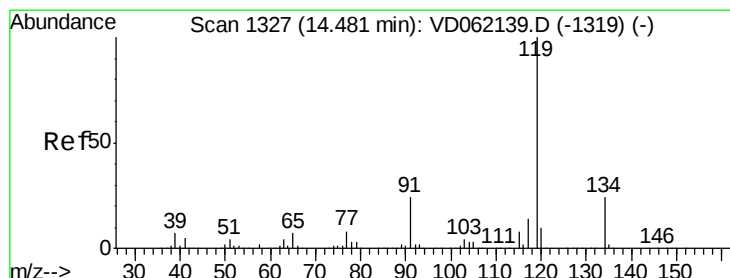
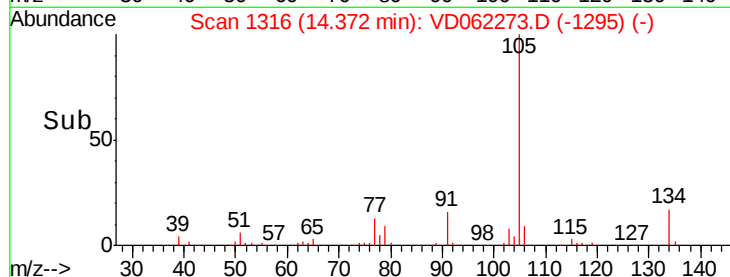
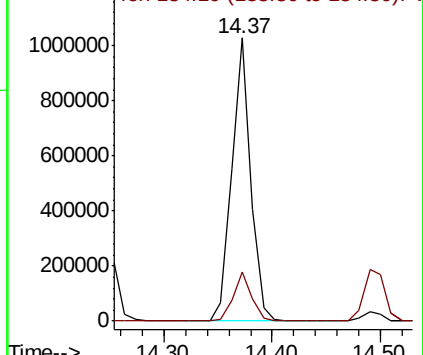
105 100

134 17.3 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.871 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

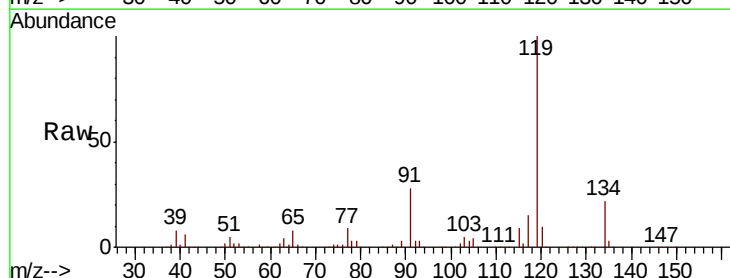
Tgt Ion:119 Resp: 1105174

Ion Ratio Lower Upper

119 100

134 22.2 12.8 38.3

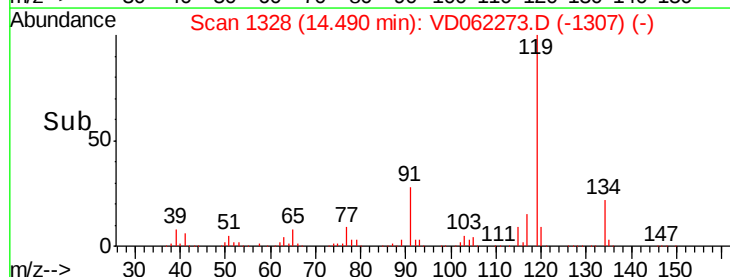
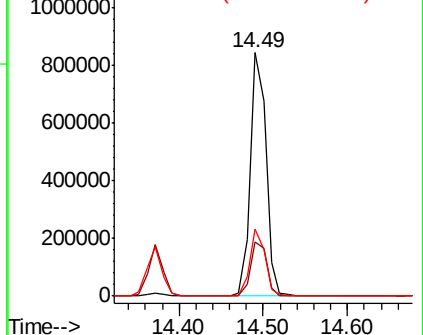
91 27.7 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.142 ug/l

RT: 14.46 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

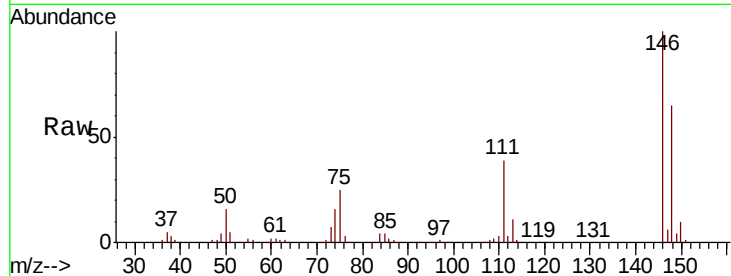
Tot Ion:146 Resp: 612945

Ion Ratio Lower Upper

146 100

111 39.3 20.0 60.0

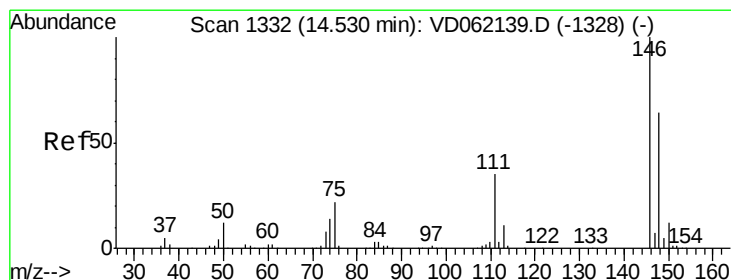
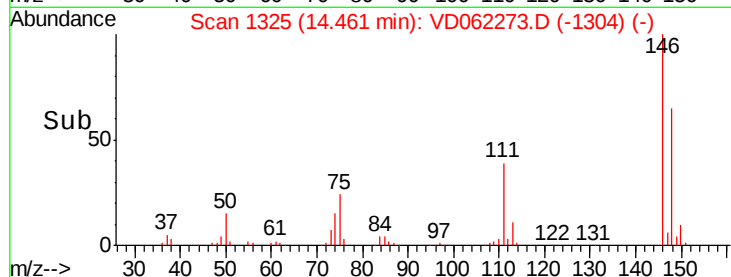
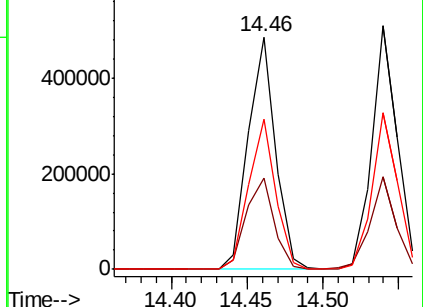
148 64.9 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.129 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062273.D

Acq: 12 May 2019 22:41

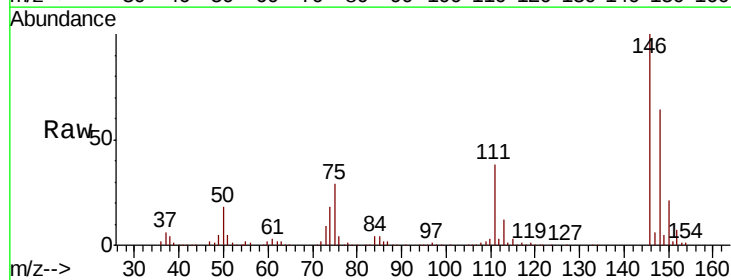
Tgt Ion:146 Resp: 602101

Ion Ratio Lower Upper

146 100

111 38.0 20.2 60.5

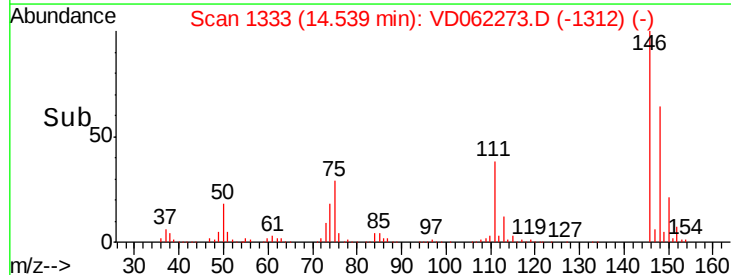
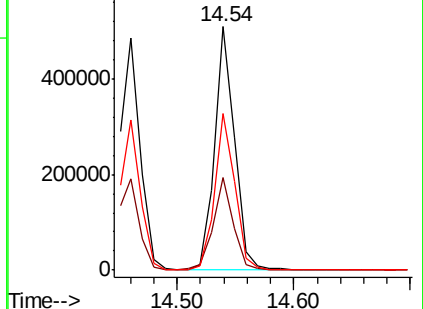
148 64.2 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

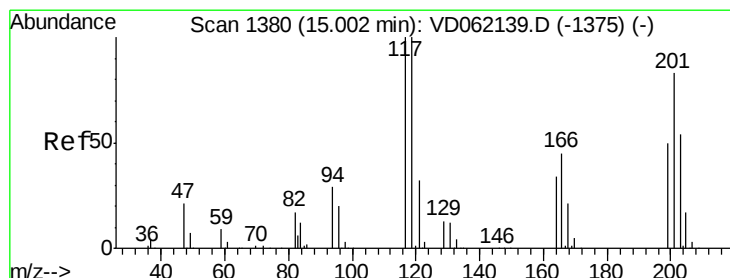
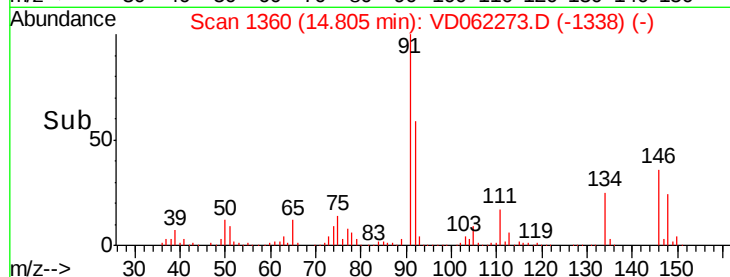
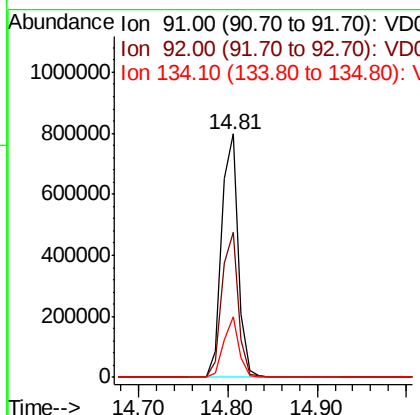
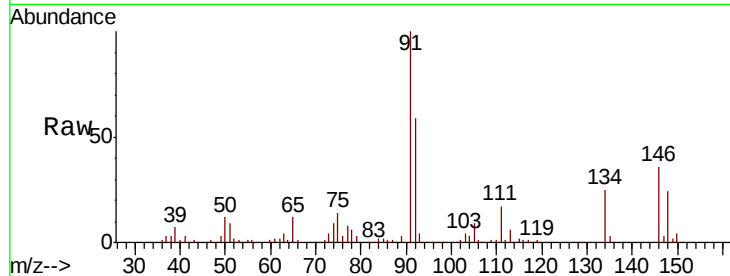




#89
n-Butylbenzene
Concen: 51.839 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

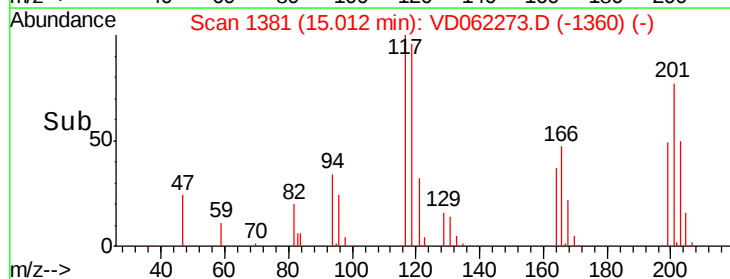
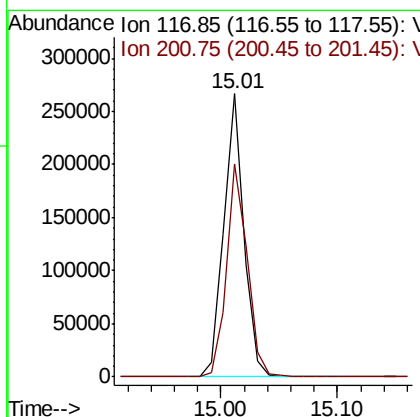
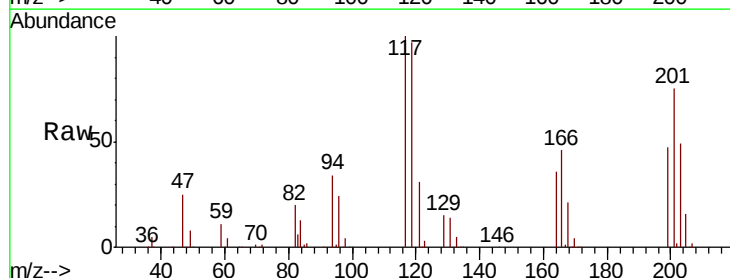
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

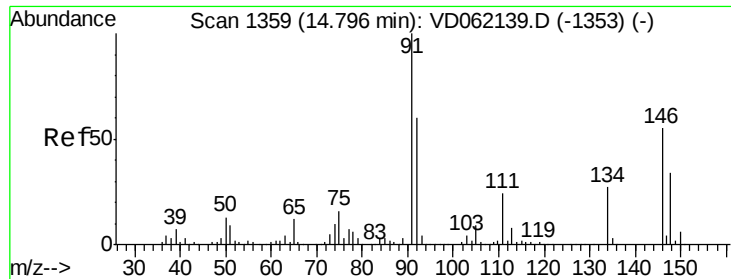
Tot Ion: 91 Resp: 1052227
Ion Ratio Lower Upper
91 100
92 59.4 30.3 91.0
134 24.7 14.5 43.6



#90
Hexachloroethane
Concen: 51.777 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion: 117 Resp: 318417
Ion Ratio Lower Upper
117 100
201 75.2 30.2 90.6

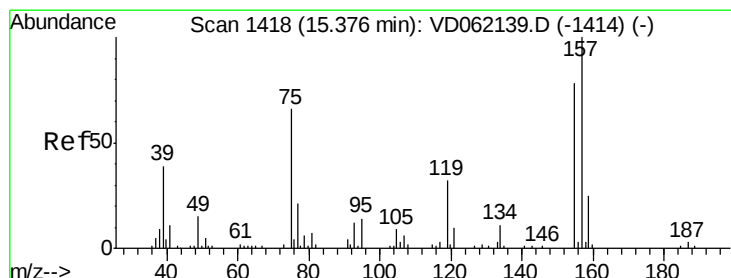
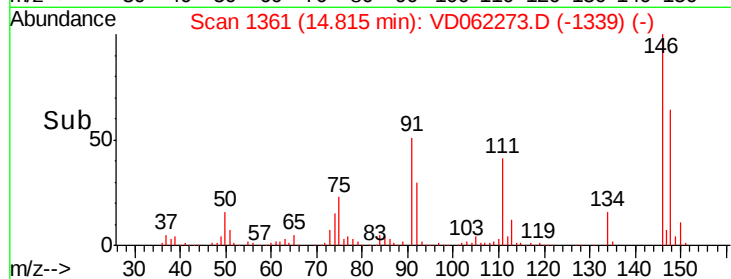
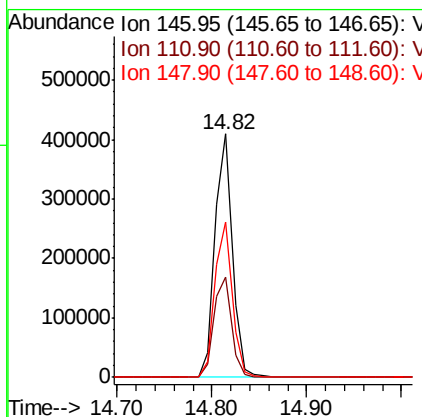
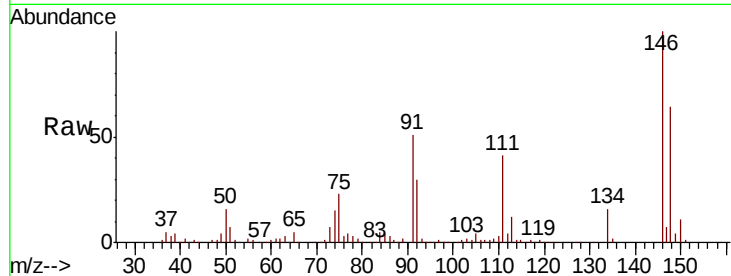




#91
 1,2-Dichlorobenzene
 Concen: 51.222 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

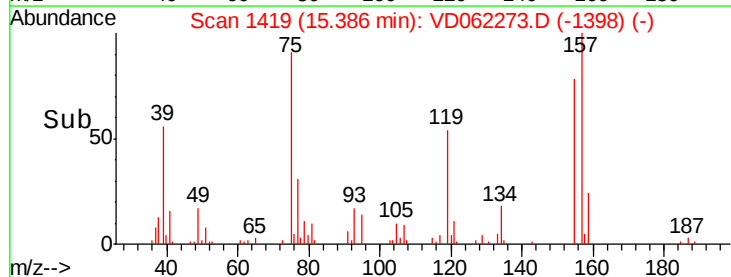
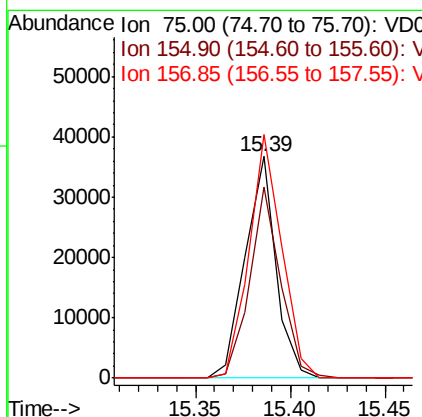
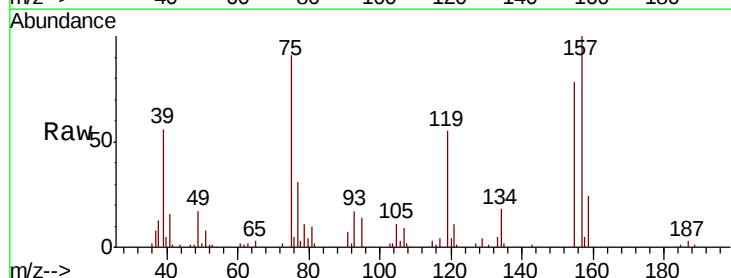
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

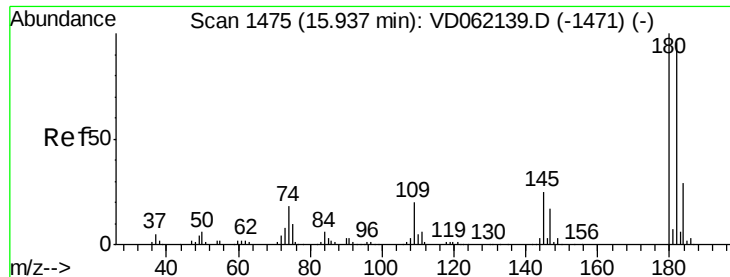
Tot Ion:146 Resp: 526161
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 59.9
 148 63.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.591 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion: 75 Resp: 41378
 Ion Ratio Lower Upper
 75 100
 155 86.2 55.3 165.8
 157 109.9 67.8 203.2

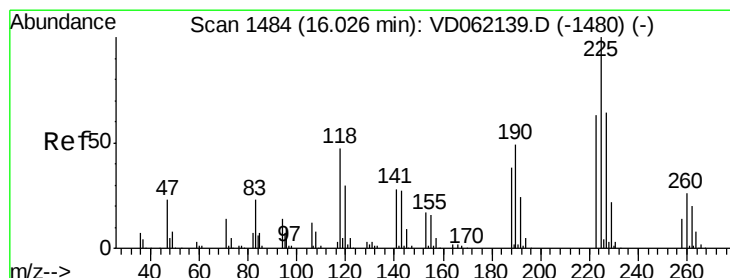
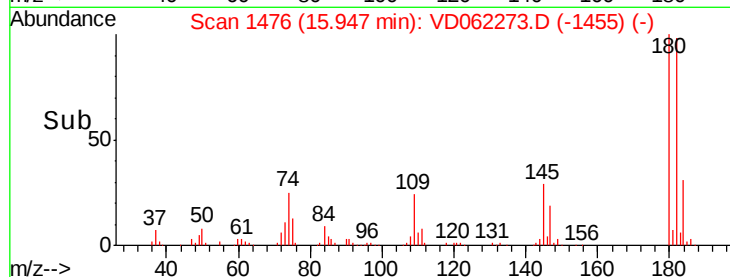
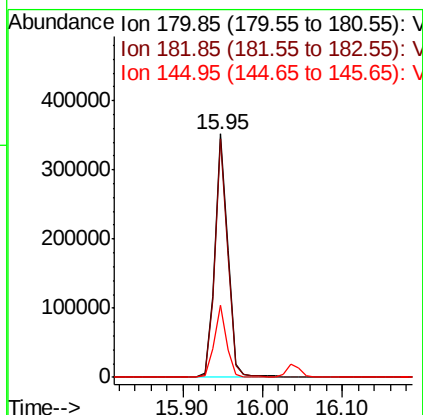
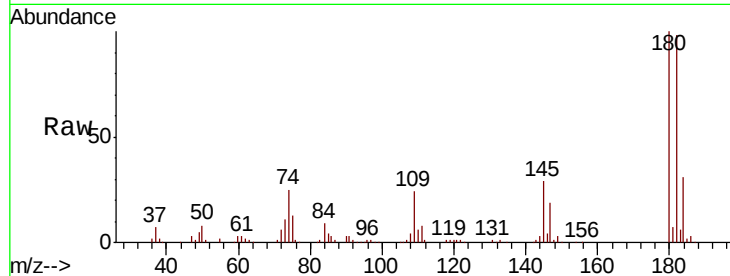




#93
 1,2,4-Trichlorobenzene
 Concen: 54.953 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

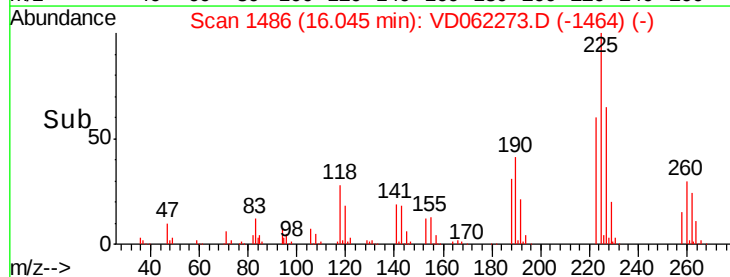
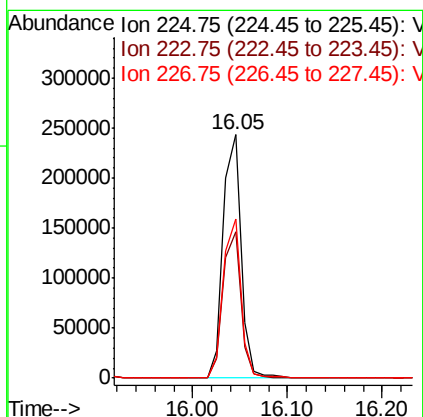
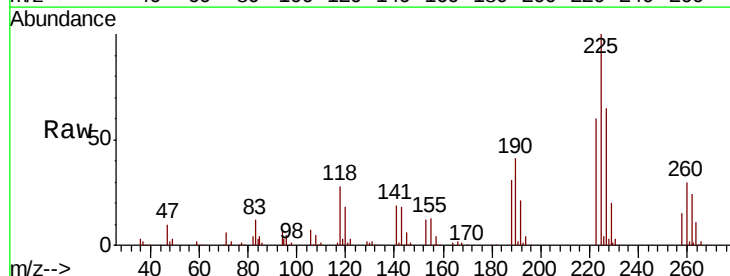
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

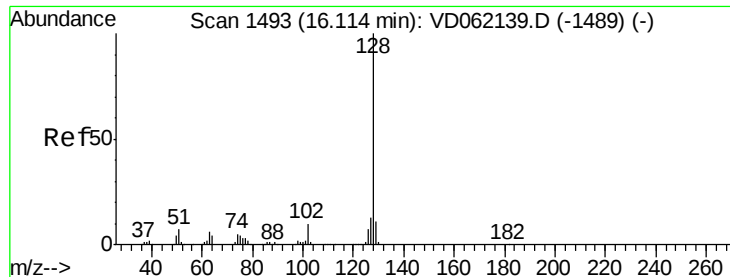
Tot Ion:180 Resp: 410872
 Ion Ratio Lower Upper
 180 100
 182 97.7 49.3 147.8
 145 29.4 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 57.865 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062273.D
 Acq: 12 May 2019 22:41

Tgt Ion:225 Resp: 321784
 Ion Ratio Lower Upper
 225 100
 223 60.1 30.6 92.0
 227 65.5 32.0 96.2

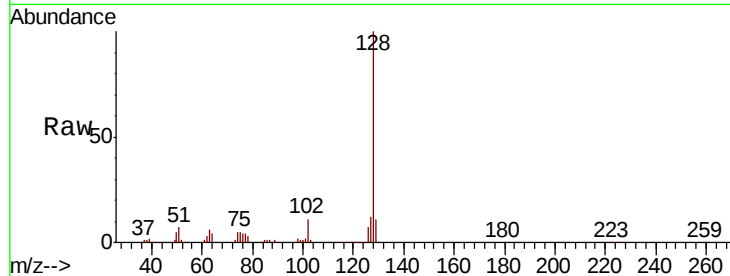




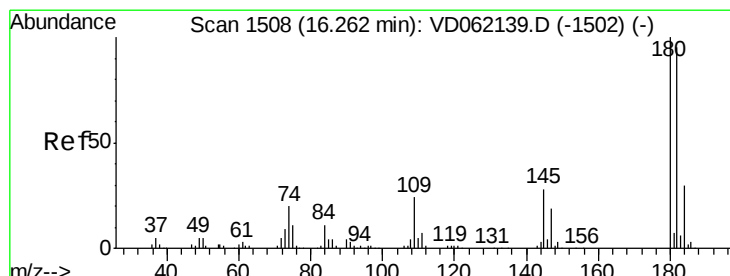
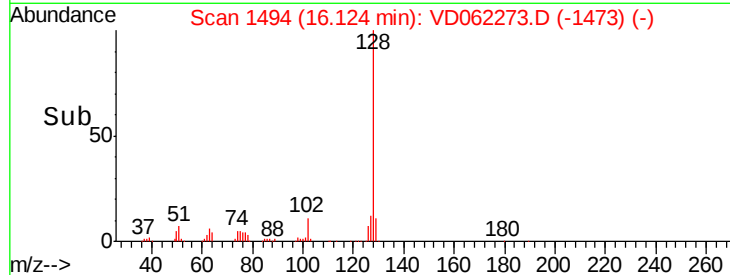
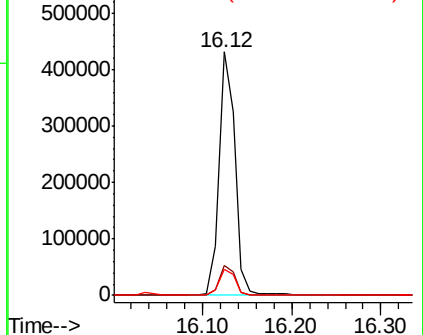
#95
Naphthalene
Concen: 51.825 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 540968
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 10.8 8.8 13.2

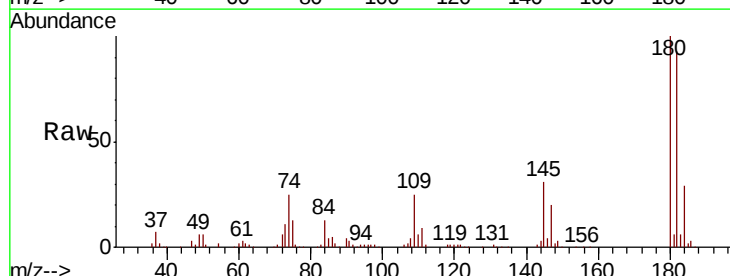


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 66.701 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062273.D
Acq: 12 May 2019 22:41

Tgt Ion:180 Resp: 313556
Ion Ratio Lower Upper
180 100
182 93.1 47.0 141.0
145 31.4 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

