

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062619.D
 Acq On : 6 Jun 2019 11:02
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 07 03:22:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	823468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1115862	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	973060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	500935	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	567776	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	6.94	113	553608	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.43	98	1192807	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	13.57	95	547232	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	405817	44.056	ug/l	98
3) Chloromethane	1.77	50	357684	44.976	ug/l	95
4) Vinyl Chloride	1.86	62	383606	49.194	ug/l	98
5) Bromomethane	2.17	94	198234	50.391	ug/l	98
6) Chloroethane	2.28	64	190390	48.407	ug/l #	88
7) Trichlorofluoromethane	2.54	101	846893	48.679	ug/l	97
8) Diethyl Ether	2.89	74	115751	51.197	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.16	101	471241	48.179	ug/l	93
10) Methyl Iodide	3.32	142	635710	50.778	ug/l	94
11) Tert butyl alcohol	4.10	59	101241	200.292	ug/l #	95
12) 1,1-Dichloroethene	3.14	96	359628	50.115	ug/l	96
13) Acrolein	3.05	56	51745	289.492	ug/l	90
14) Allyl chloride	3.64	41	549205	50.271	ug/l	95
15) Acrylonitrile	4.23	53	274806	249.394	ug/l	96
16) Acetone	3.24	43	581326	286.560	ug/l	93
17) Carbon Disulfide	3.39	76	1099195	52.572	ug/l	95
18) Methyl Acetate	3.67	43	164488	45.603	ug/l	93
19) Methyl tert-butyl Ether	4.27	73	887597	51.065	ug/l	99
20) Methylene Chloride	3.83	84	351860	44.566	ug/l	91
21) trans-1,2-Dichloroethene	4.24	96	391027	50.074	ug/l	97
22) Diisopropyl ether	5.15	45	1136572	49.249	ug/l	93
23) Vinyl Acetate	5.08	43	3531882	251.100	ug/l	99
24) 1,1-Dichloroethane	5.00	63	739962	50.890	ug/l #	96
25) 2-Butanone	6.10	43	521426	270.584	ug/l	92
26) 2,2-Dichloropropane	6.05	77	850836	53.560	ug/l	95
27) cis-1,2-Dichloroethene	6.06	96	426805	50.686	ug/l	95
28) Bromochloromethane	6.46	49	302661	55.016	ug/l	95
29) Tetrahydrofuran	6.48	42	229646	256.717	ug/l	99
30) Chloroform	6.69	83	924466	51.119	ug/l	95
31) Cyclohexane	6.97	56	438710	47.197	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	982832	53.690	ug/l	94
36) 1,1-Dichloropropene	7.17	75	603116	50.271	ug/l	97
37) Ethyl Acetate	6.21	43	240861	49.750	ug/l	98
38) Carbon Tetrachloride	7.13	117	1027766	57.077	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	495685	48.324	ug/l	97
40) Benzene	7.47	78	1207121	50.943	ug/l	100
41) Methacrylonitrile	6.46	41	313774	50.047	ug/l #	96
42) 1,2-Dichloroethane	7.60	62	737492	52.877	ug/l	98
43) Isopropyl Acetate	9.26	43	321682	48.342	ug/l #	99
44) Trichloroethene	8.56	130	476998	49.640	ug/l	91
45) 1,2-Dichloropropane	8.95	63	295433	49.791	ug/l	98
46) Dibromomethane	9.08	93	268477	52.010	ug/l	97
47) Bromodichloromethane	9.39	83	673811	48.463	ug/l	97
48) Methyl methacrylate	9.14	41	239554	52.935	ug/l	99
49) 1,4-Dioxane	9.10	88	41128	1145.136	ug/l	94
51) 4-Methyl-2-Pentanone	10.32	43	1141938	263.553	ug/l	100
52) Toluene	10.53	92	813193	51.741	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	607145	52.592	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	608608	51.770	ug/l	94
55) 1,1,2-Trichloroethane	11.21	97	275256	51.049	ug/l	93
56) Ethyl methacrylate	11.06	69	308140	51.276	ug/l	98
57) 1,3-Dichloropropane	11.42	76	412007	48.941	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.88	63	700610	227.311	ug/l	95
59) 2-Hexanone	11.55	43	843366	256.703	ug/l	99
60) Dibromochloromethane	11.70	129	556400	52.809	ug/l	92
61) 1,2-Dibromoethane	11.82	107	350085	53.011	ug/l	95
64) Tetrachloroethene	11.27	164	420248	47.821	ug/l	95
65) Chlorobenzene	12.41	112	1002015	49.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	481924	49.583	ug/l	98
67) Ethyl Benzene	12.53	91	1769614	48.423	ug/l	99
68) m/p-Xylenes	12.68	106	1232366	96.676	ug/l	96
69) o-Xylene	13.06	106	570104	46.417	ug/l	92
70) Styrene	13.09	104	965530	46.794	ug/l	97
71) Bromoform	13.24	173	336096	50.066	ug/l	99
73) Isopropylbenzene	13.41	105	1727696	49.602	ug/l	100
74) N-amyl acetate	13.27	43	477927	53.139	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	304452	52.142	ug/l	95
76) 1,2,3-Trichloropropane	13.75	75	354011	54.176	ug/l	93
77) Bromobenzene	13.68	156	515995	53.259	ug/l	96
78) n-propylbenzene	13.79	91	2106785	52.154	ug/l	96
79) 2-Chlorotoluene	13.85	91	1154637	47.147	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1361945	45.433	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	91508	54.480	ug/l	98
82) 4-Chlorotoluene	13.95	91	1400105	48.583	ug/l	91
83) tert-Butylbenzene	14.20	119	1600582	48.491	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	1582012	51.560	ug/l	98
85) sec-Butylbenzene	14.38	105	1697075	49.898	ug/l	99
86) p-Isopropyltoluene	14.50	119	1568767	47.977	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	890750	54.780	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	844825	51.301	ug/l	99
89) n-Butylbenzene	14.81	91	1465997	48.217	ug/l	97
90) Hexachloroethane	15.02	117	423884	49.254	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	745144	49.629	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	69102	57.855	ug/l	97

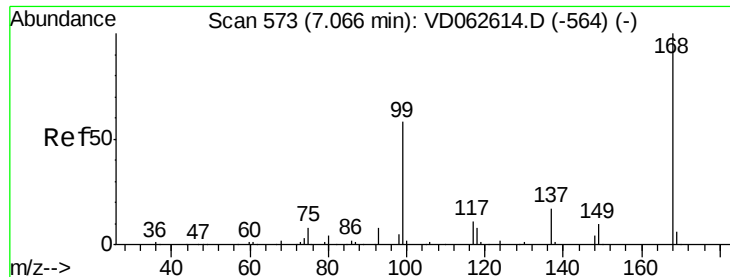
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	526332	48.788	ug/l	99
94) Hexachlorobutadiene	16.05	225	399971	49.428	ug/l	98
95) Naphthalene	16.13	128	796196	51.539	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	396157	48.022	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

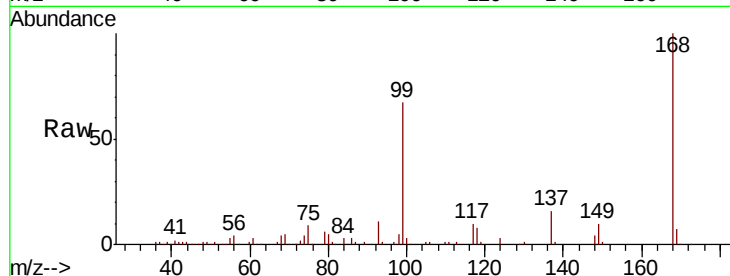
VSTDCCC050

Tot Ion:168 Resp: 823468

Ion Ratio Lower Upper

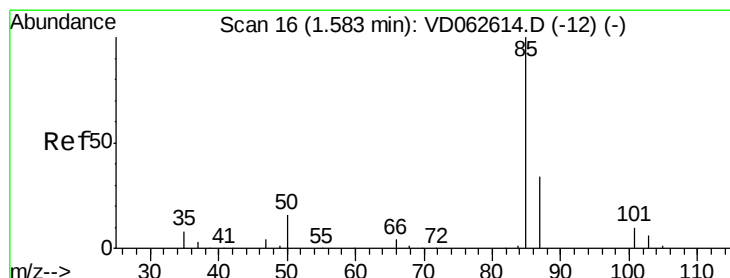
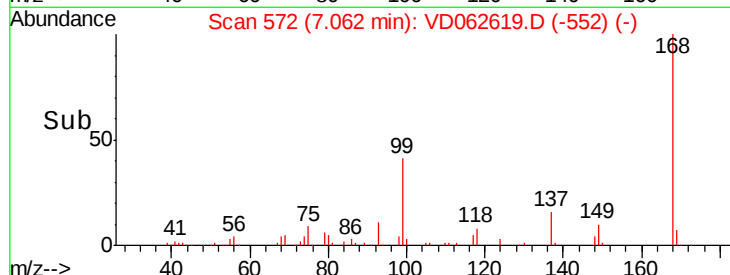
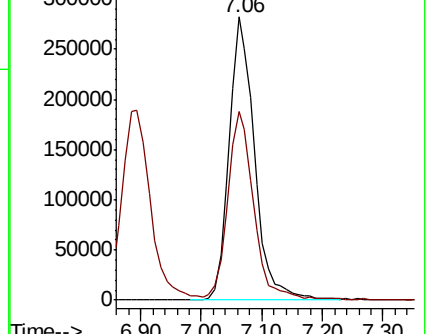
168 100

99 66.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.056 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062619.D

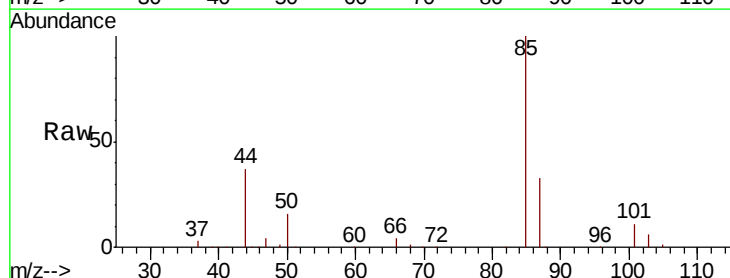
Acq: 6 Jun 2019 11:02

Tgt Ion: 85 Resp: 405817

Ion Ratio Lower Upper

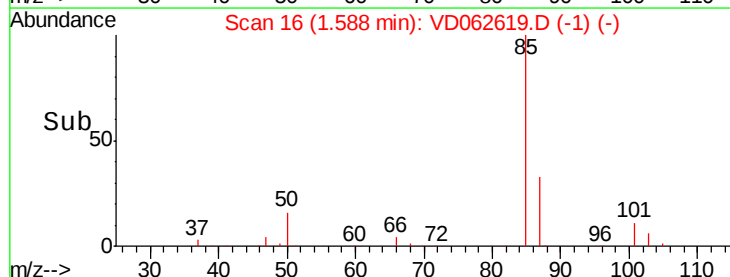
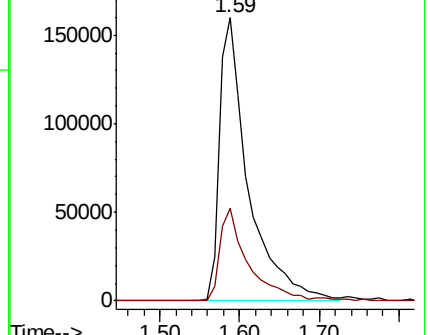
85 100

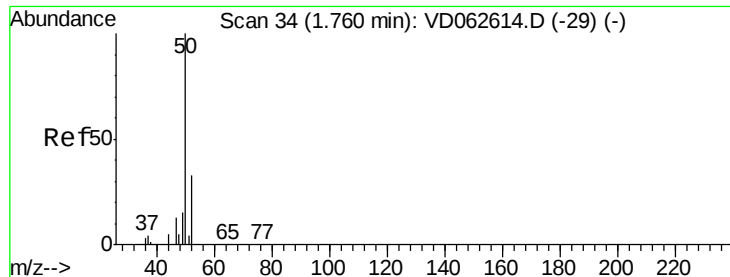
87 32.8 16.9 50.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.976 ug/l

RT: 1.77 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

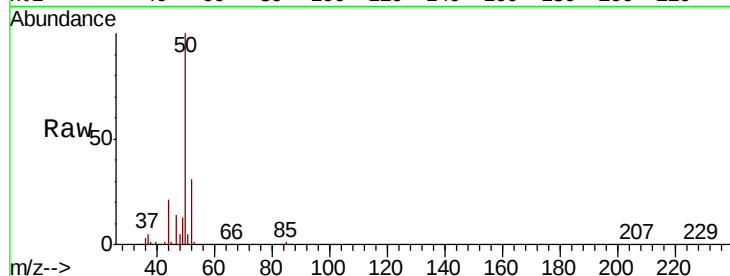
VSTDCCC050

Tot Ion: 50 Resp: 357684

Ion Ratio Lower Upper

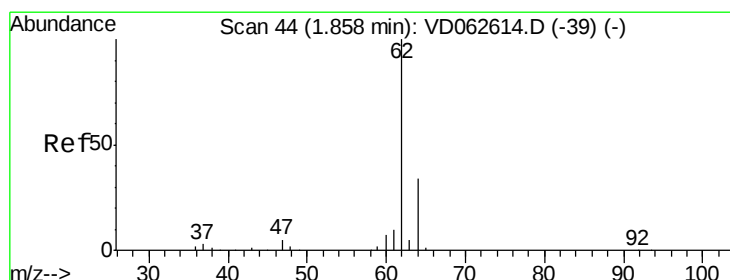
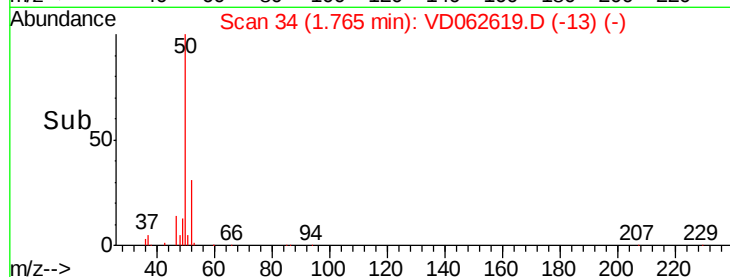
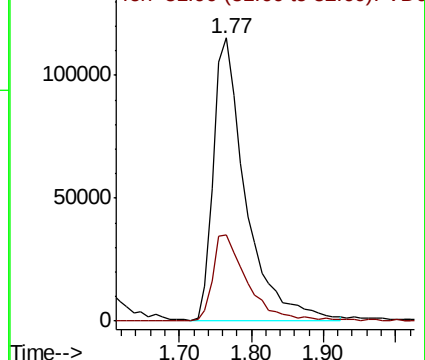
50 100

52 30.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.194 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062619.D

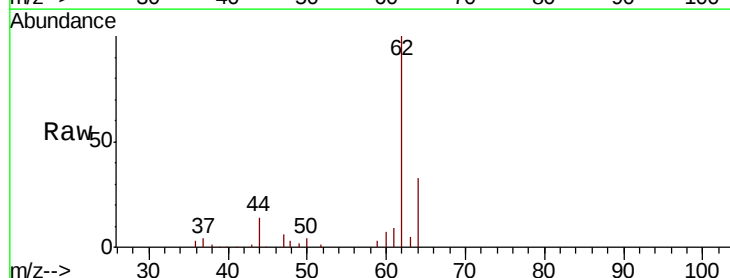
Acq: 6 Jun 2019 11:02

Tgt Ion: 62 Resp: 383606

Ion Ratio Lower Upper

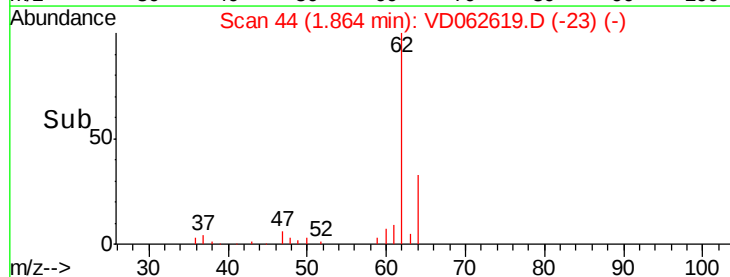
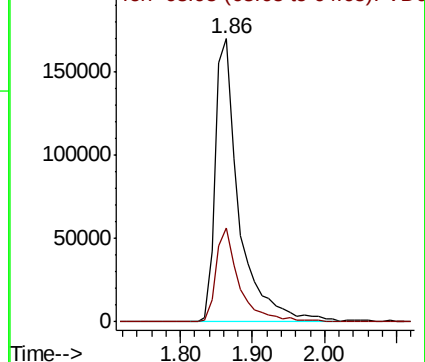
62 100

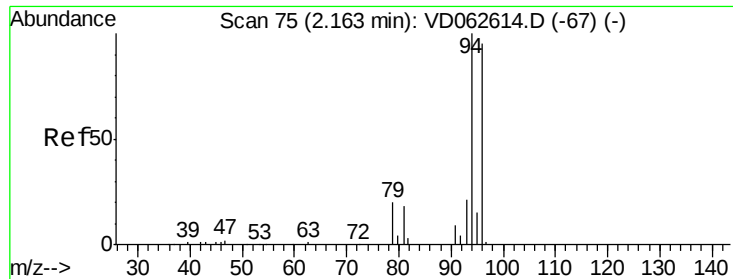
64 33.1 27.2 40.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.391 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

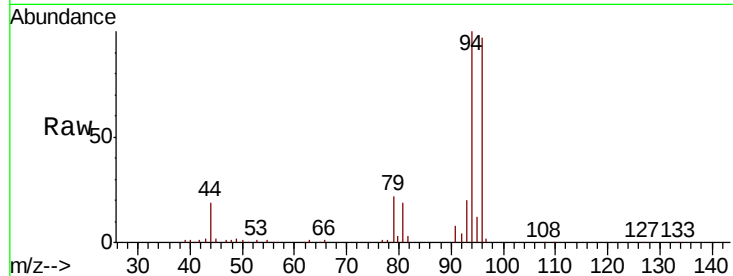
Tot Ion: 94 Resp: 198234

Ion Ratio Lower Upper

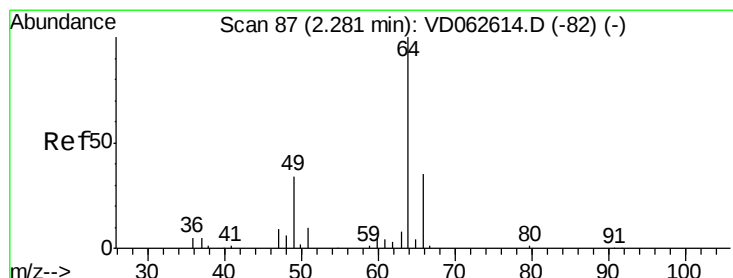
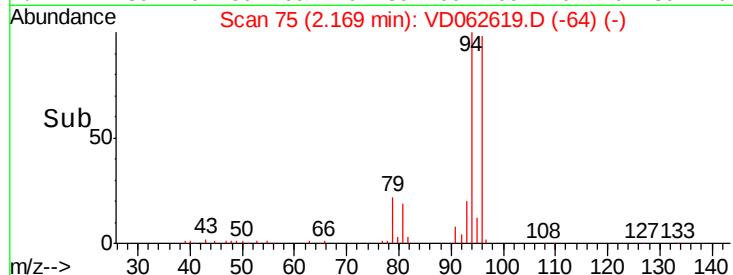
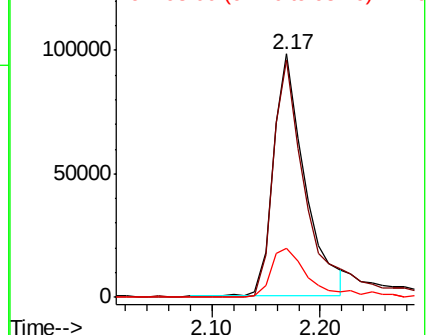
94 100

96 97.4 75.8 113.8

93 20.3 16.6 25.0



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: 48.407 ug/l

RT: 2.28 min Scan# 86

Delta R.T. -0.00 min

Lab File: VD062619.D

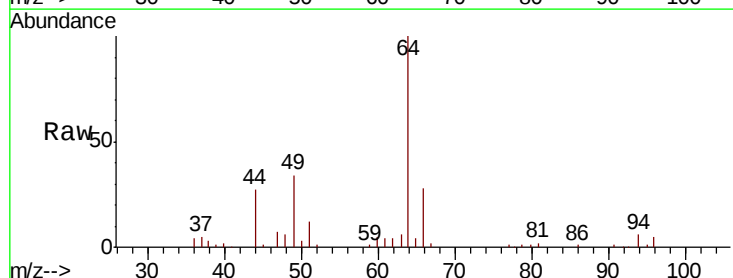
Acq: 6 Jun 2019 11:02

Tgt Ion: 64 Resp: 190390

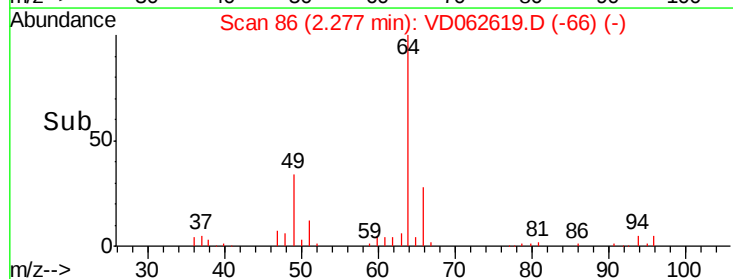
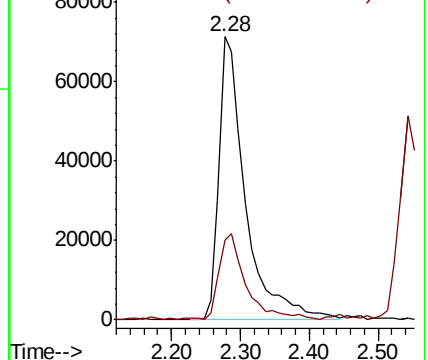
Ion Ratio Lower Upper

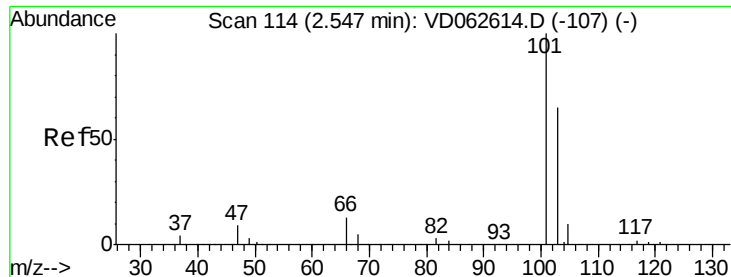
64 100

66 28.3 28.4 42.6#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



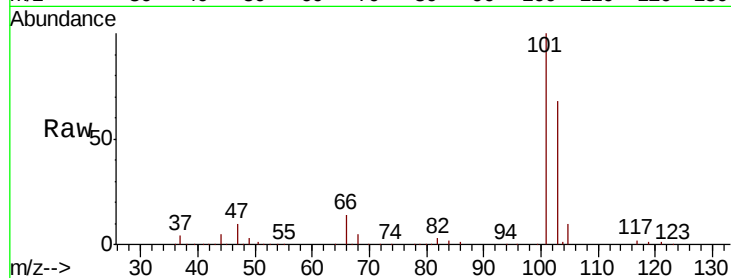


#7

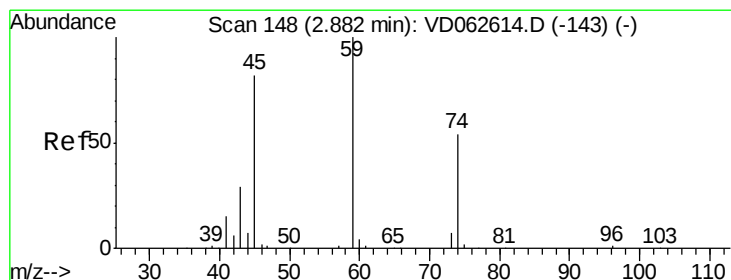
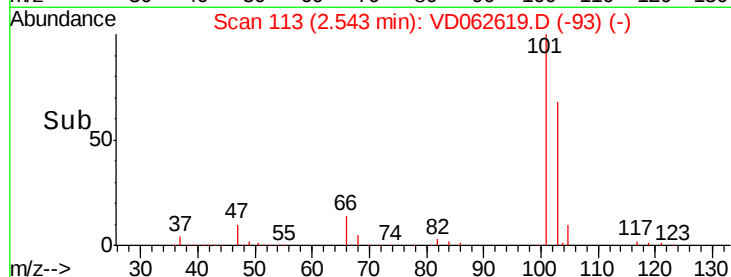
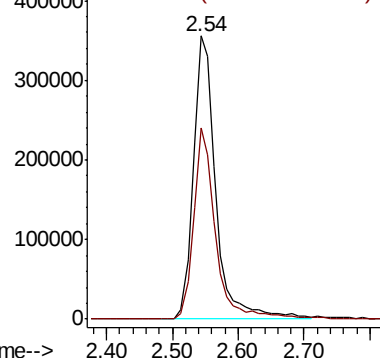
Trichlorofluoromethane
Concen: 48.679 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.00 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 846893
Ion Ratio Lower Upper
101 100
103 67.6 52.1 78.1



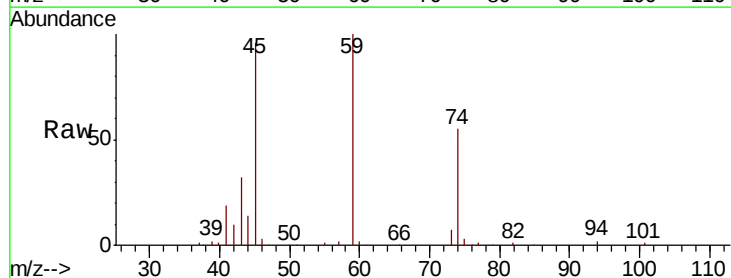
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



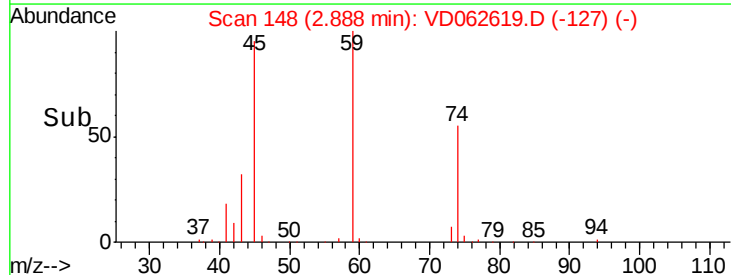
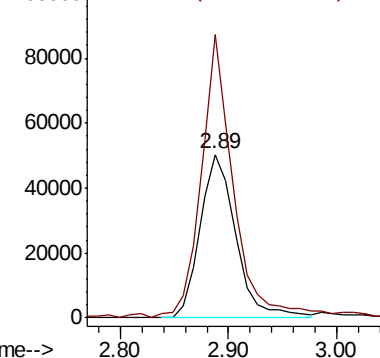
#8

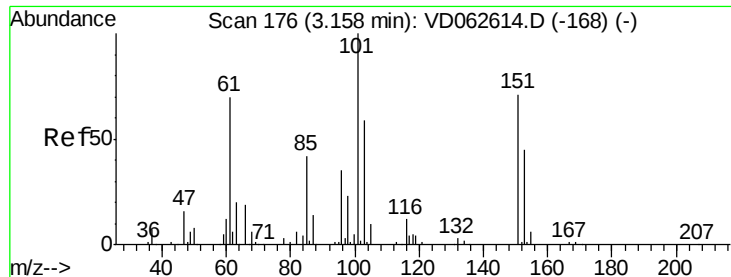
Diethyl Ether
Concen: 51.197 ug/l
RT: 2.89 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 74 Resp: 115751
Ion Ratio Lower Upper
74 100
45 173.5 75.6 226.8



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: 48.179 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

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ClientSampleId :

VSTDCCC050

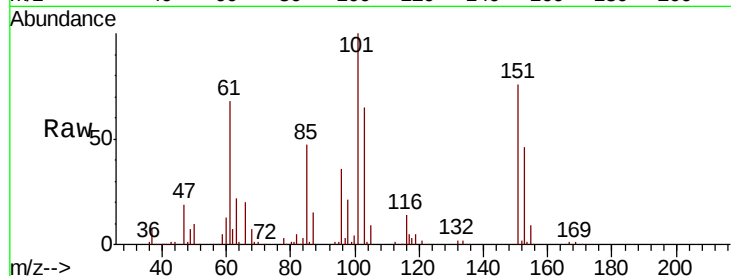
Tot Ion:101 Resp: 471241

Ion Ratio Lower Upper

101 100

85 47.5 33.8 50.6

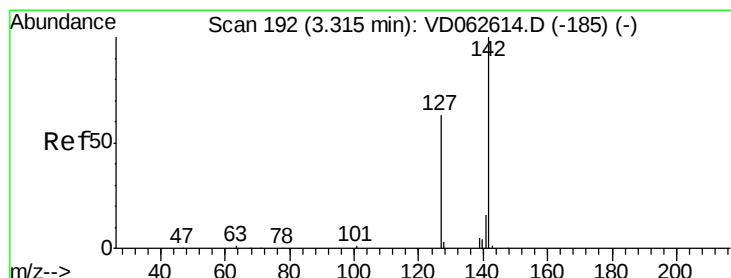
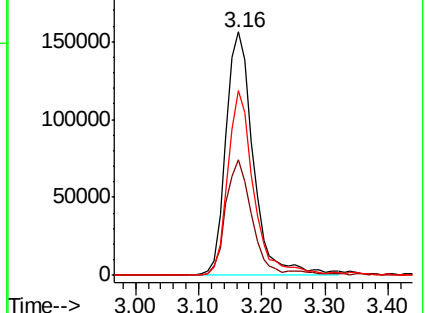
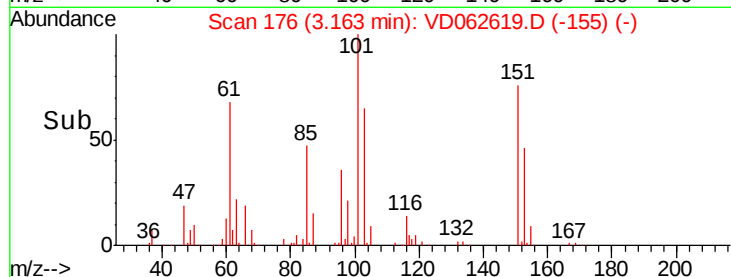
151 75.7 56.8 85.2



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: 50.778 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

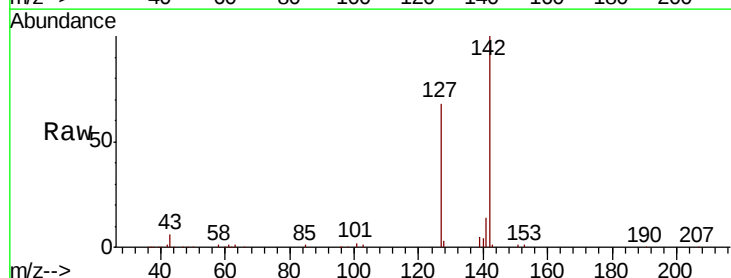
Tgt Ion:142 Resp: 635710

Ion Ratio Lower Upper

142 100

127 67.9 50.7 76.1

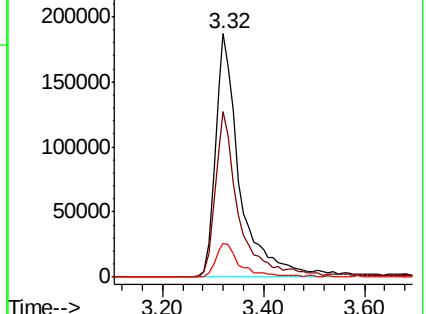
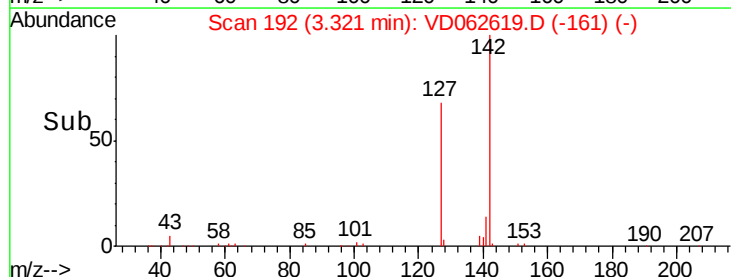
141 14.0 12.9 19.3

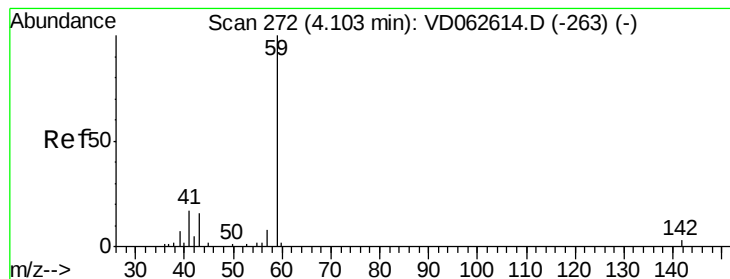


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



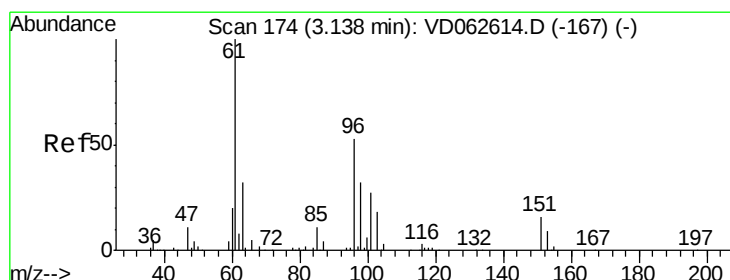
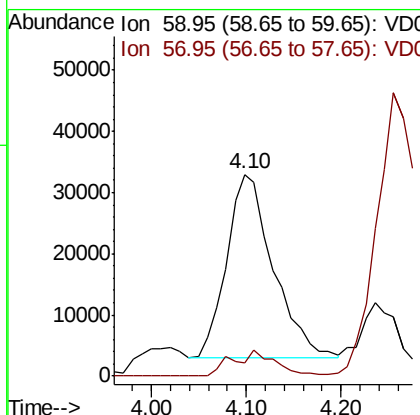
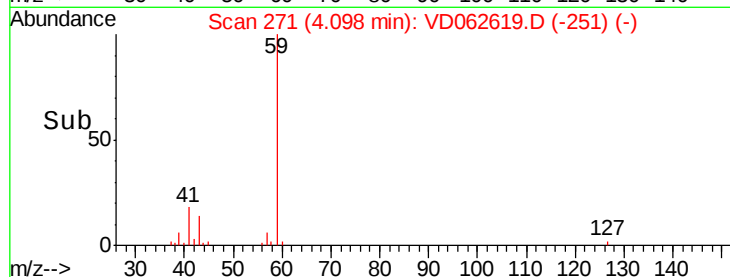
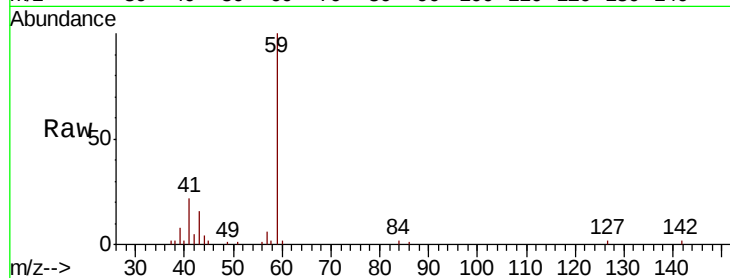


#11

Tert butyl alcohol
Concen: 200.292 ug/l
RT: 4.10 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

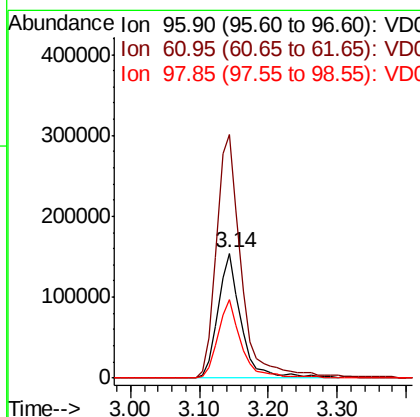
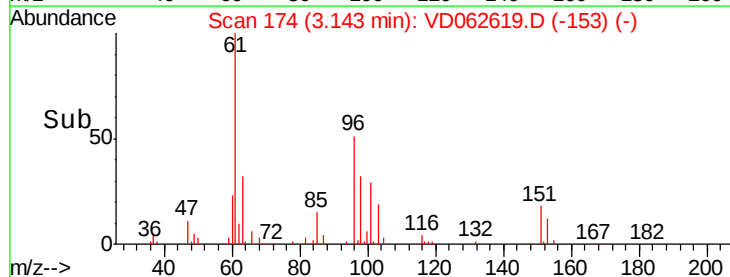
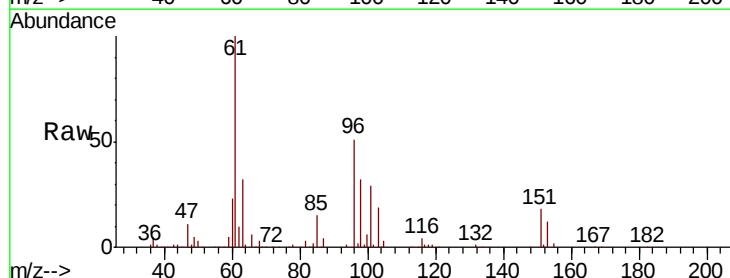
Tot Ion: 59 Resp: 101241
Ion Ratio Lower Upper
59 100
57 6.3 6.4 9.6#

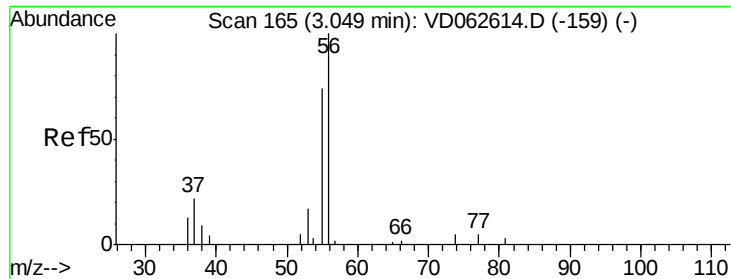


#12

1,1-Dichloroethene
Concen: 50.115 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 96 Resp: 359628
Ion Ratio Lower Upper
96 100
61 195.2 151.3 226.9
98 63.4 48.6 72.8

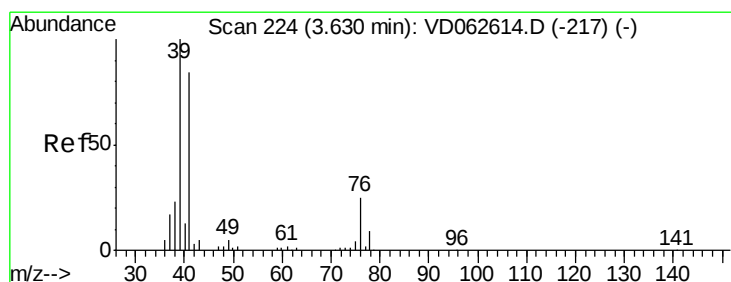
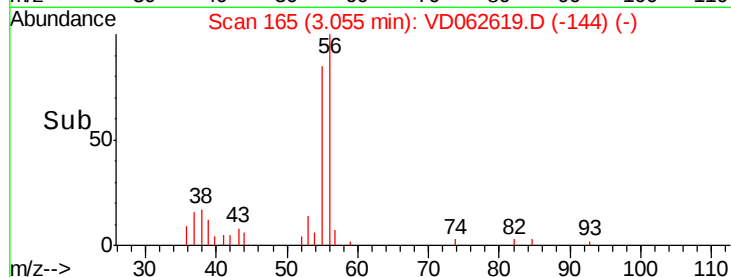
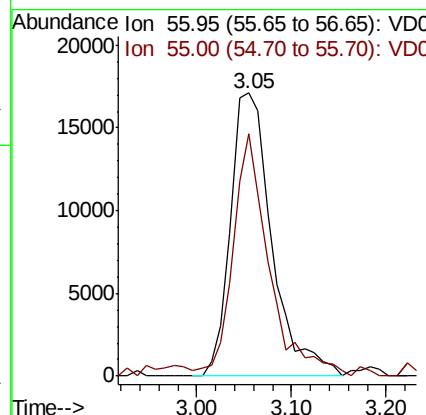
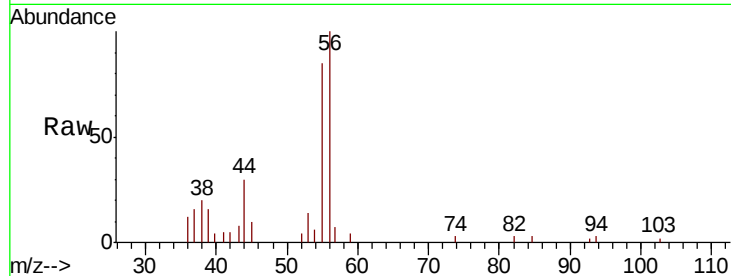




#13
Acrolein
Concen: 289.492 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

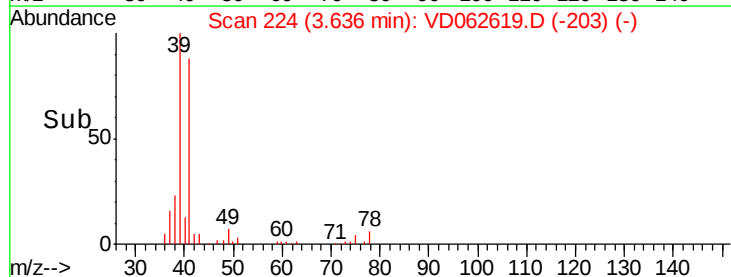
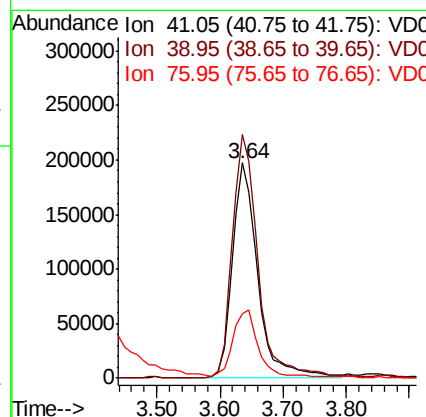
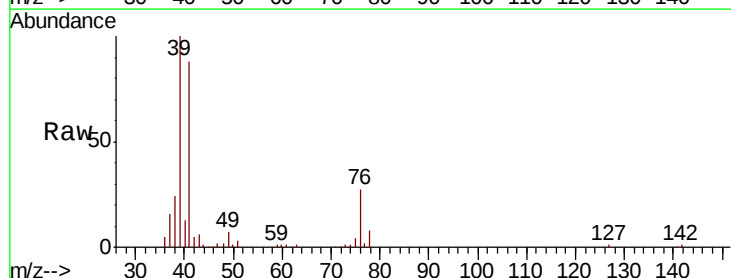
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

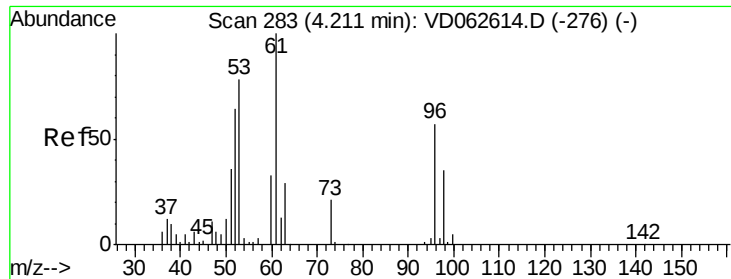
Tot Ion: 56 Resp: 51745
Ion Ratio Lower Upper
56 100
55 85.5 61.4 92.0



#14
Allyl chloride
Concen: 50.271 ug/l
RT: 3.64 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 41 Resp: 549205
Ion Ratio Lower Upper
41 100
39 113.1 95.5 143.3
76 30.2 25.4 38.0





#15

Acrylonitrile

Concen: 249.394 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

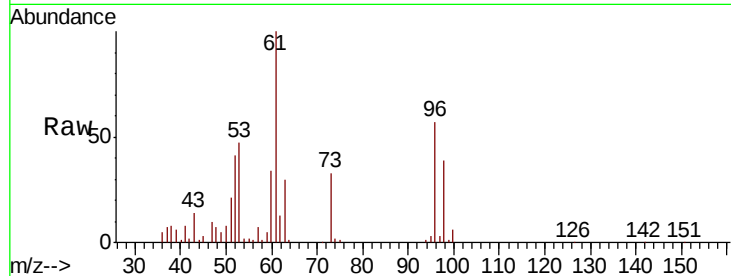
Tot Ion: 53 Resp: 274806

Ion Ratio Lower Upper

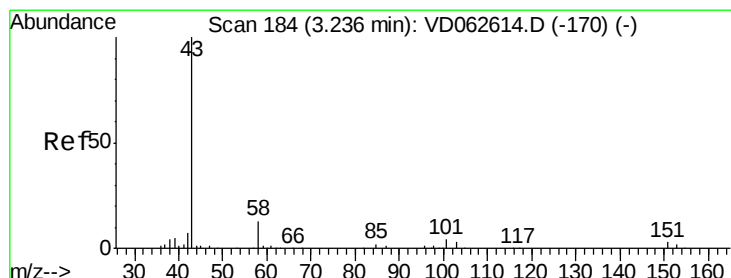
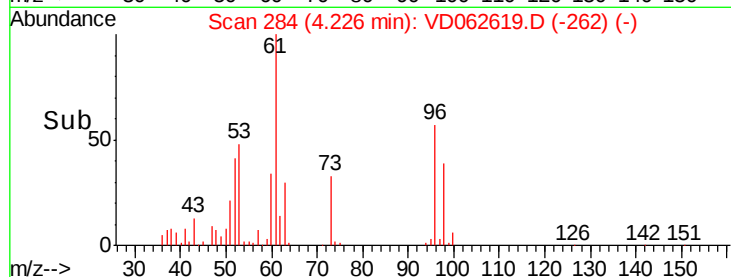
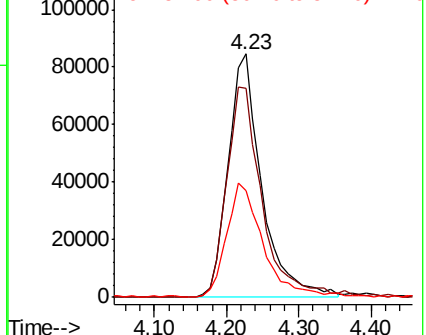
53 100

52 86.1 65.8 98.6

51 43.9 36.9 55.3



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: 286.560 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062619.D

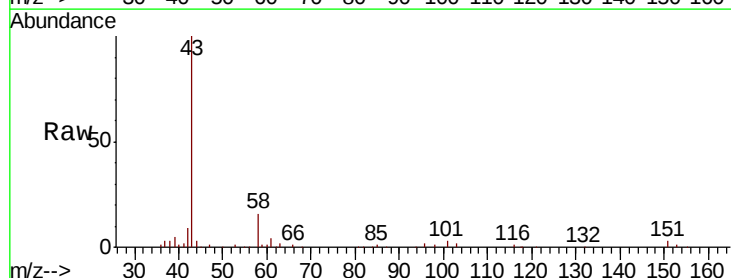
Acq: 6 Jun 2019 11:02

Tgt Ion: 43 Resp: 581326

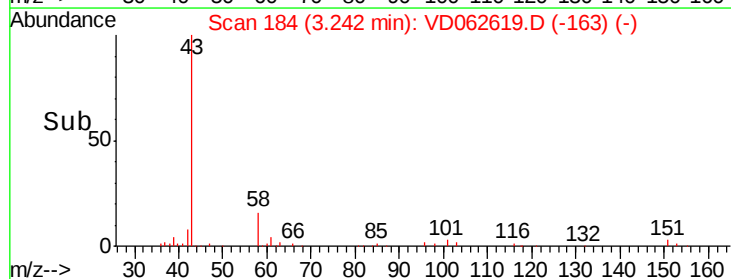
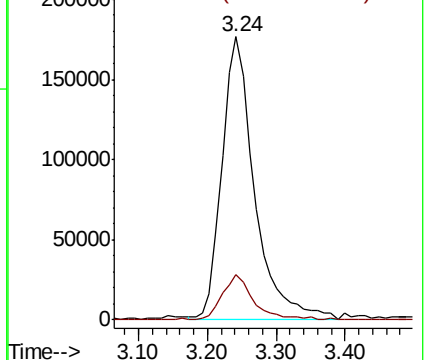
Ion Ratio Lower Upper

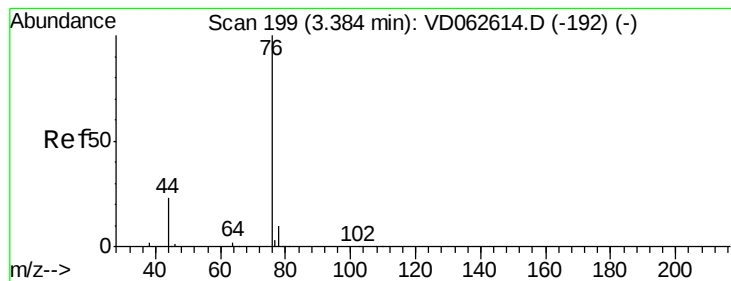
43 100

58 16.1 10.7 16.1



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





#17

Carbon Disulfide

Concen: 52.572 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

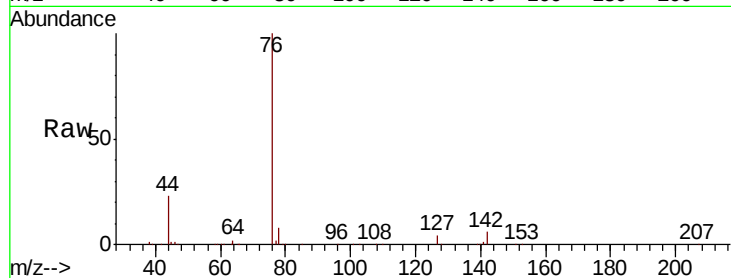
VSTDCCC050

Tot Ion: 76 Resp: 1099195

Ion Ratio Lower Upper

76 100

78 8.2 8.1 12.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

400000

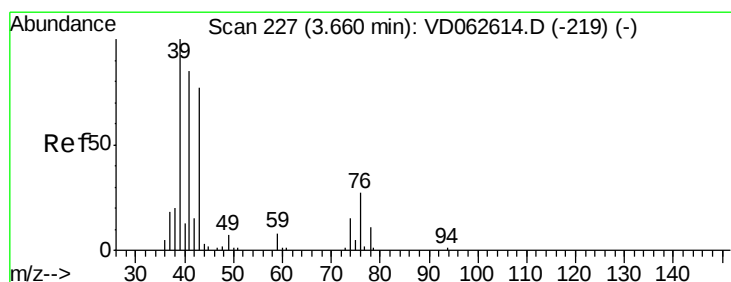
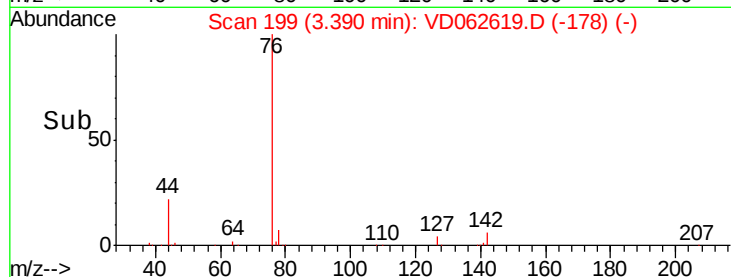
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 45.603 ug/l

RT: 3.67 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD062619.D

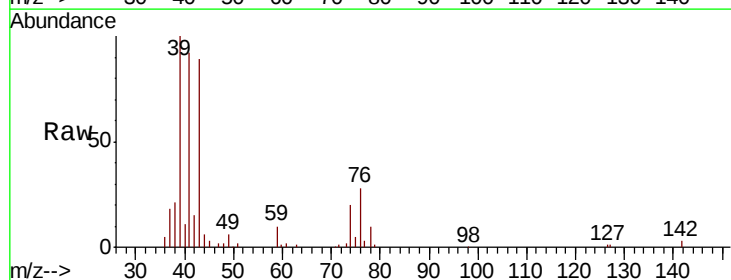
Acq: 6 Jun 2019 11:02

Tgt Ion: 43 Resp: 164488

Ion Ratio Lower Upper

43 100

74 22.4 15.5 23.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.67

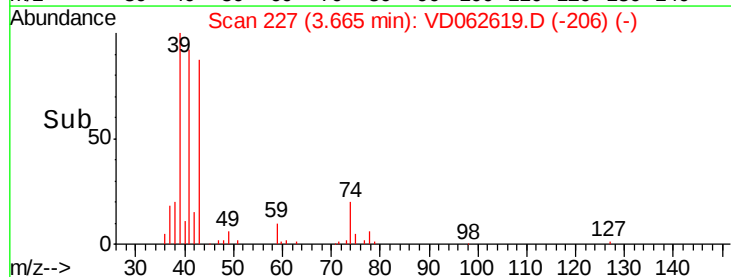
60000

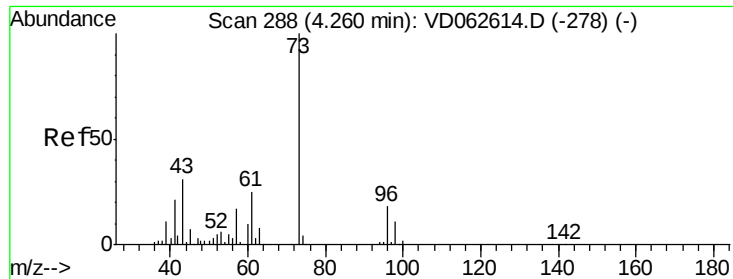
40000

20000

0

Time-->



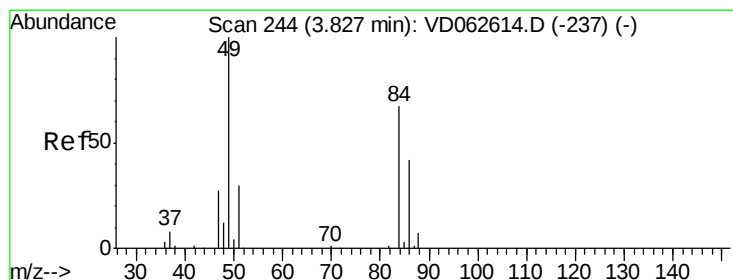
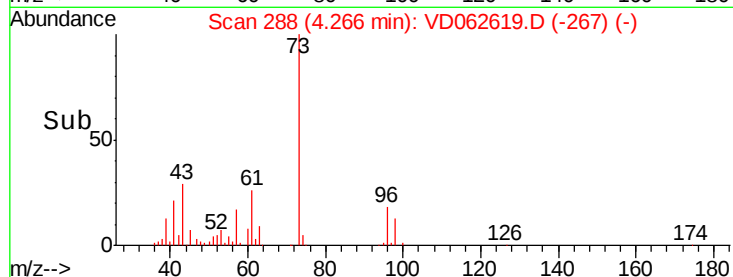
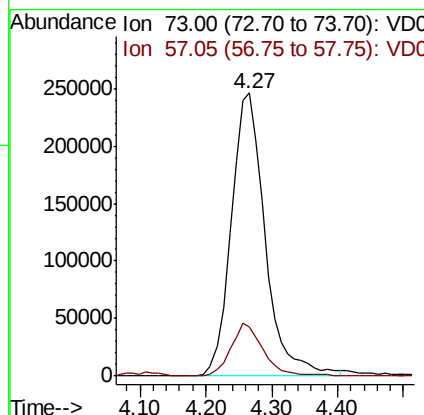
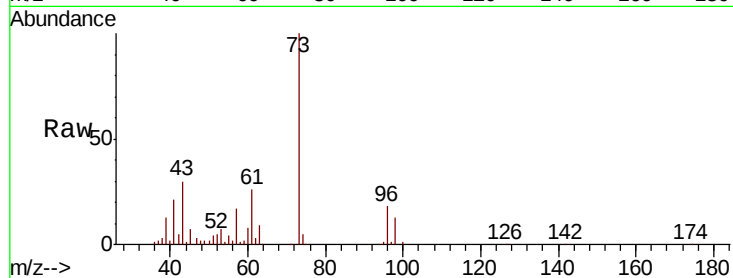


#19

Methyl tert-butyl Ether
 Concen: 51.065 ug/l
 RT: 4.27 min Scan# 288
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

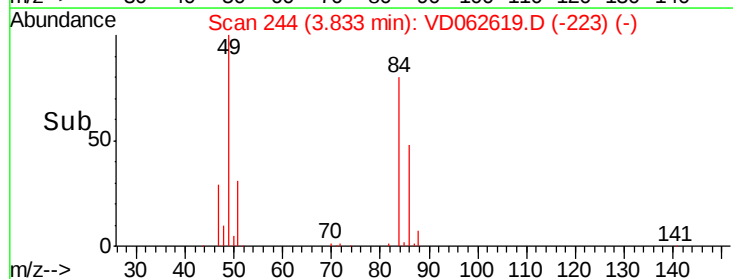
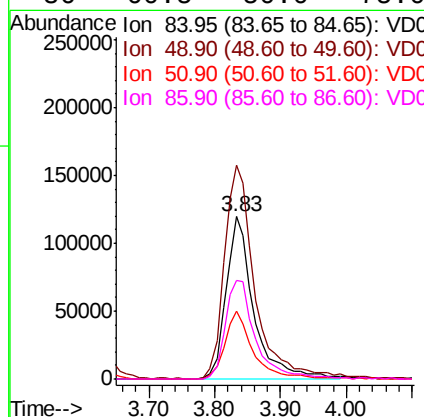
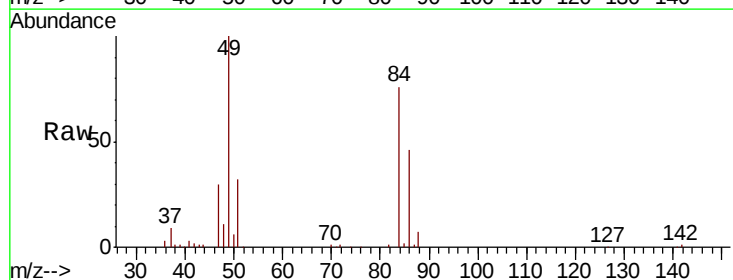
Tot Ion: 73 Resp: 887597
 Ion Ratio Lower Upper
 73 100
 57 17.2 13.5 20.3

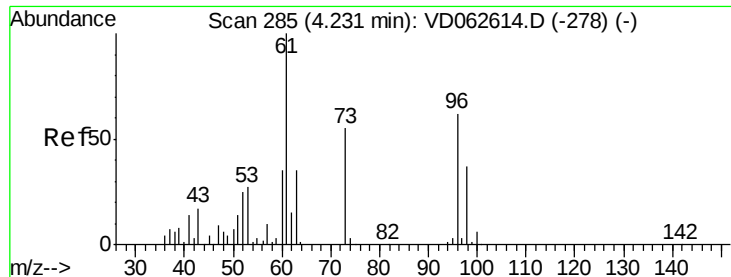


#20

Methylene Chloride
 Concen: 44.566 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion: 84 Resp: 351860
 Ion Ratio Lower Upper
 84 100
 49 131.4 119.0 178.6
 51 41.6 35.4 53.2
 86 60.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 50.074 ug/l

RT: 4.24 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

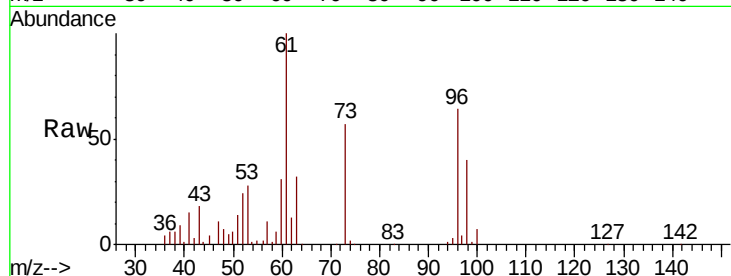
Tot Ion: 96 Resp: 391027

Ion Ratio Lower Upper

96 100

61 157.1 128.2 192.4

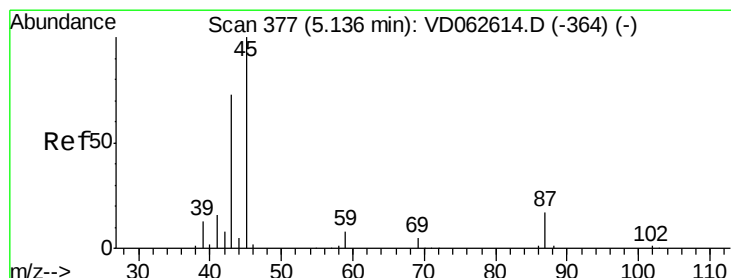
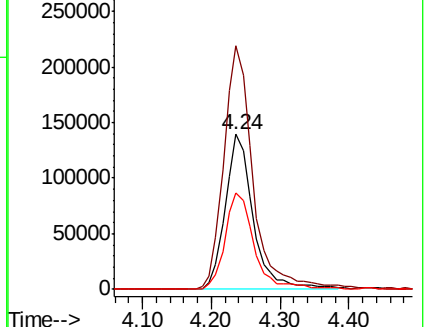
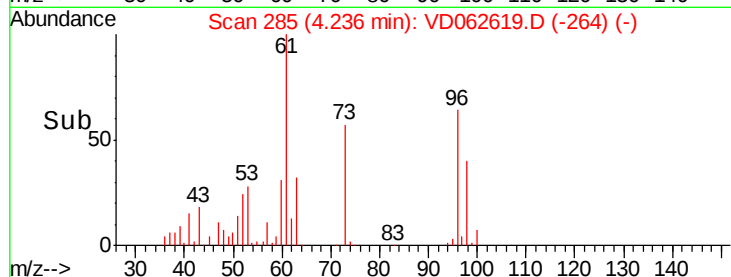
98 62.6 47.5 71.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.249 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Tgt Ion: 45 Resp: 1136572

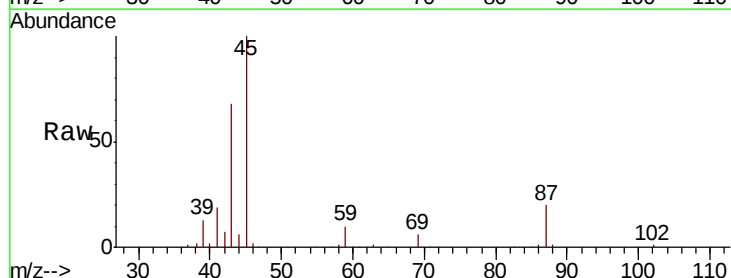
Ion Ratio Lower Upper

45 100

43 67.7 59.3 88.9

87 20.4 14.6 22.0

59 9.8 6.6 10.0

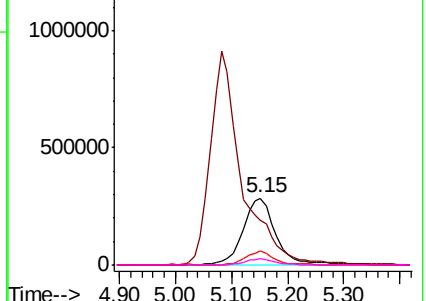
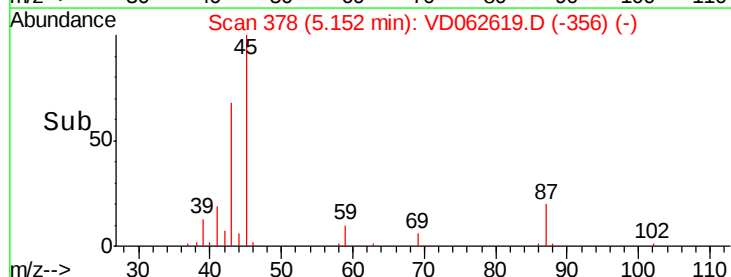


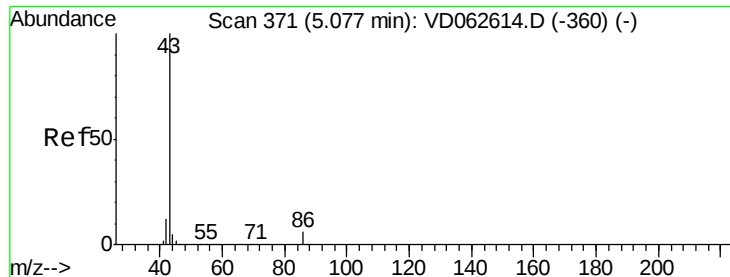
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 251.100 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

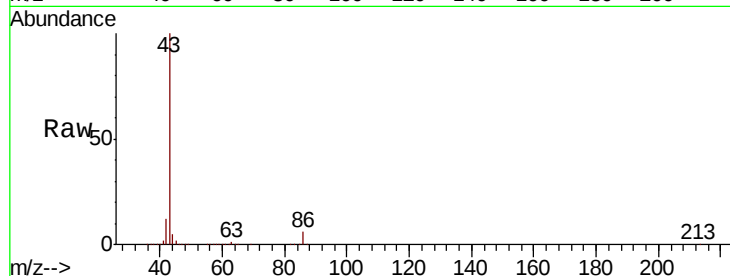
VSTDCCC050

Tot Ion: 43 Resp: 3531882

Ion Ratio Lower Upper

43 100

86 6.0 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

800000

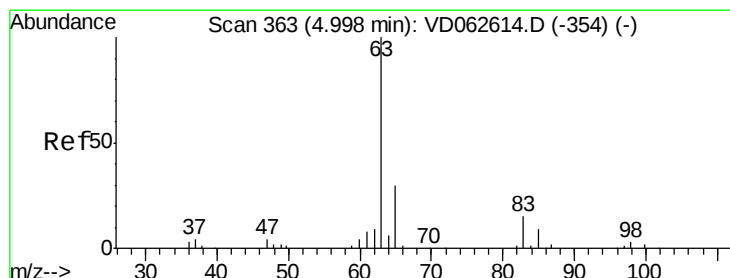
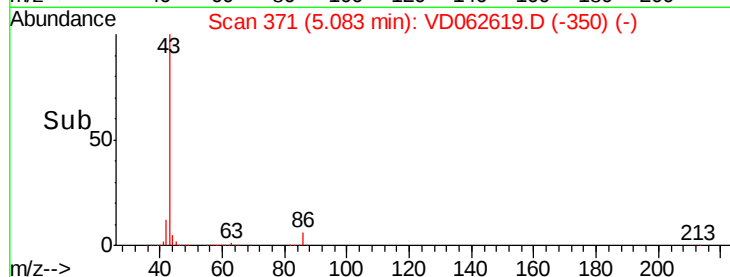
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.890 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

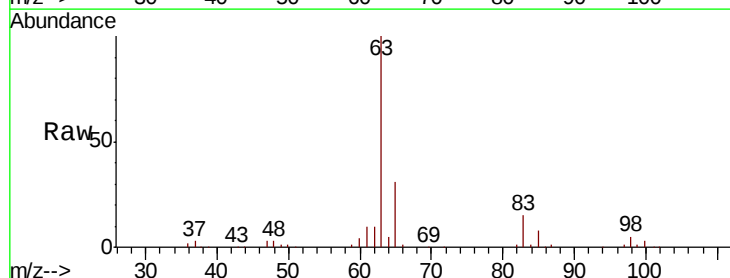
Tgt Ion: 63 Resp: 739962

Ion Ratio Lower Upper

63 100

98 5.4 1.7 5.1#

100 2.7 1.1 3.5



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

250000

200000

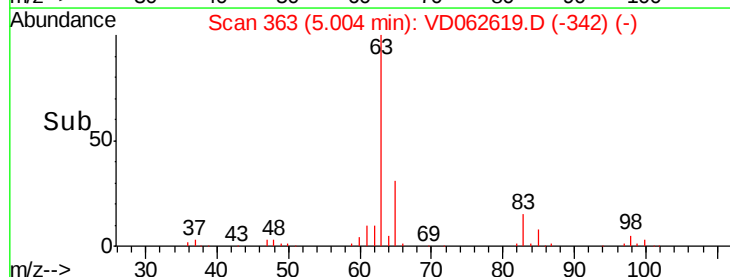
150000

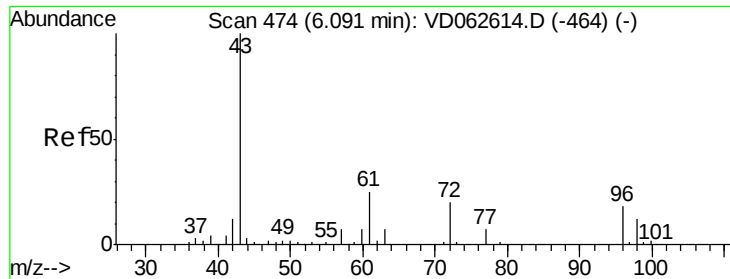
100000

50000

0

Time-->

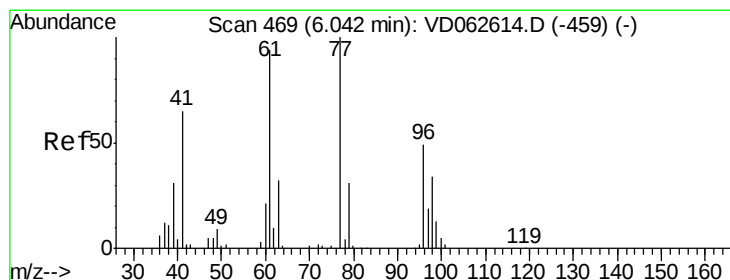
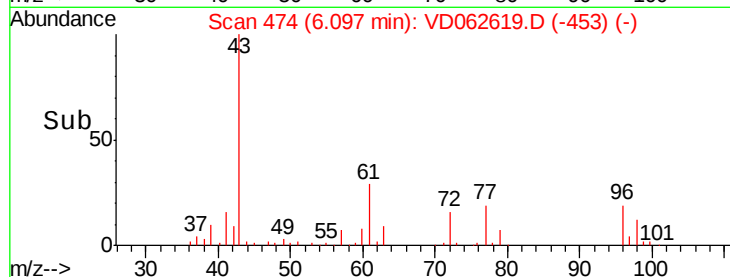
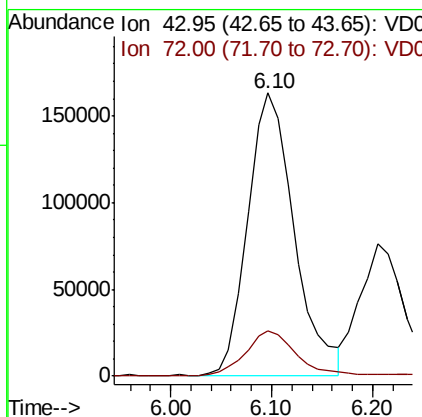
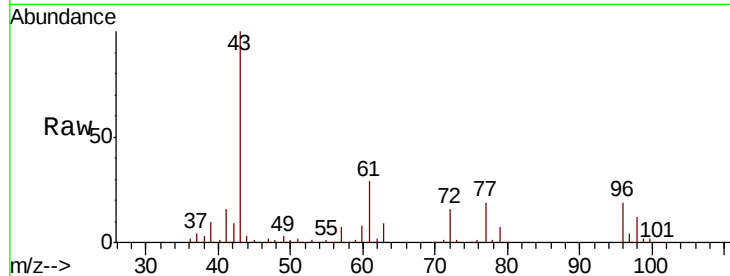




#25
2-Butanone
Concen: 270.584 ug/l
RT: 6.10 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

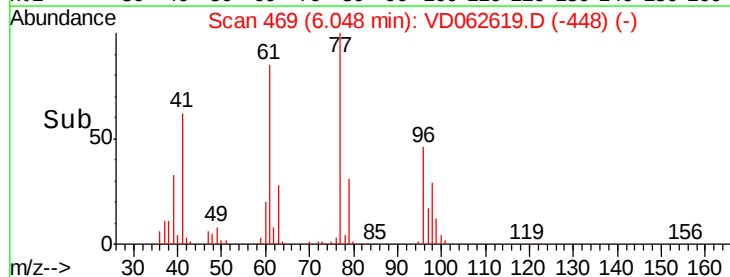
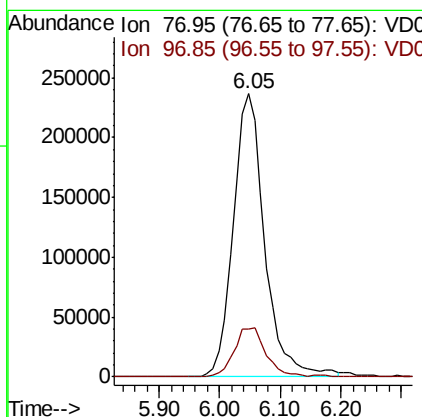
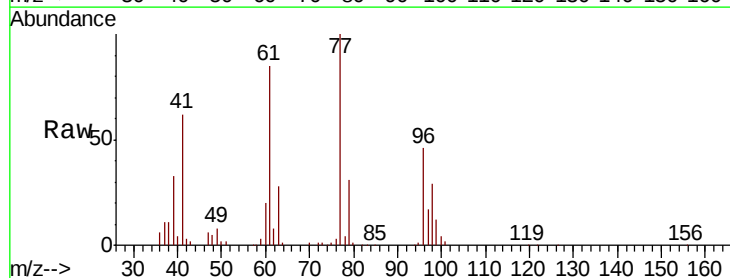
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

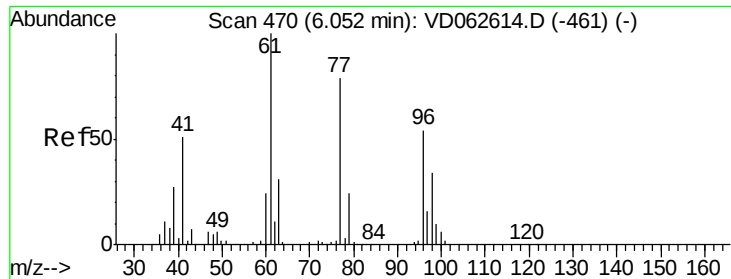
Tot Ion: 43 Resp: 521426
Ion Ratio Lower Upper
43 100
72 16.0 15.7 23.5



#26
2,2-Dichloropropane
Concen: 53.560 ug/l
RT: 6.05 min Scan# 469
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 77 Resp: 850836
Ion Ratio Lower Upper
77 100
97 16.9 9.6 28.8



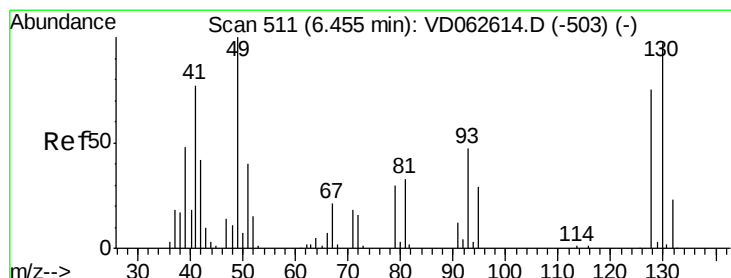
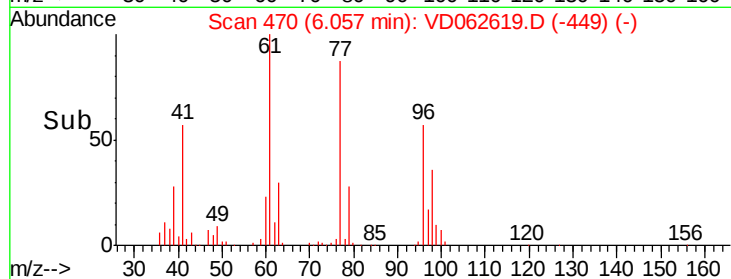
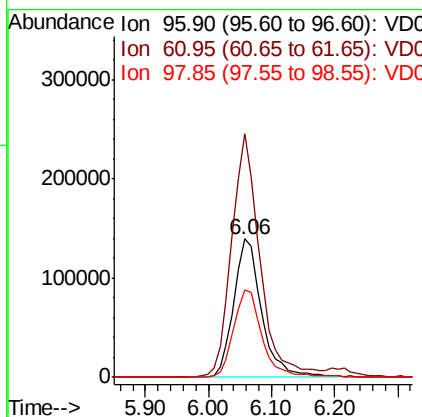
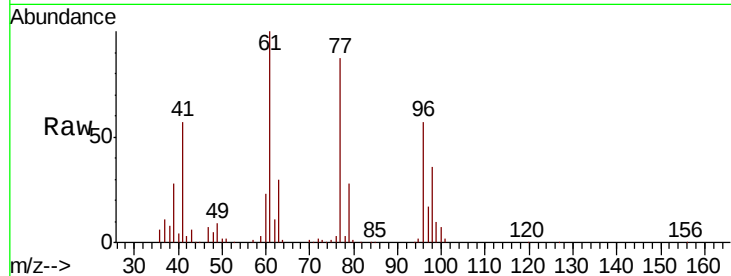


#27

cis-1,2-Dichloroethene
Concen: 50.686 ug/l
RT: 6.06 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

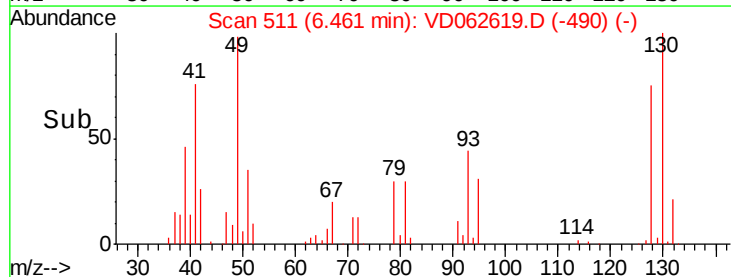
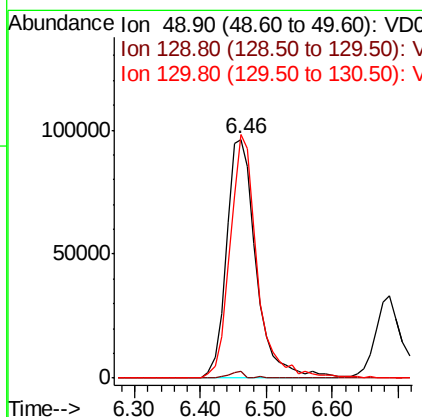
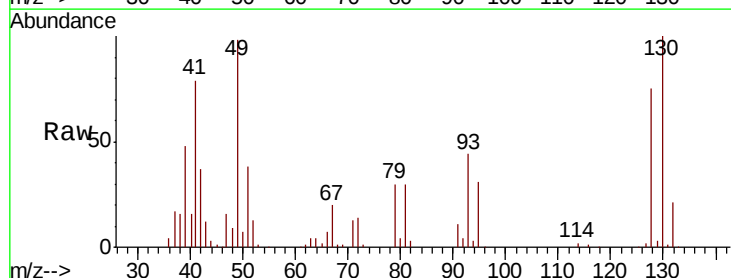
Tot Ion: 96 Resp: 426805
Ion Ratio Lower Upper
96 100
61 176.0 0.0 372.0
98 62.9 0.0 126.4

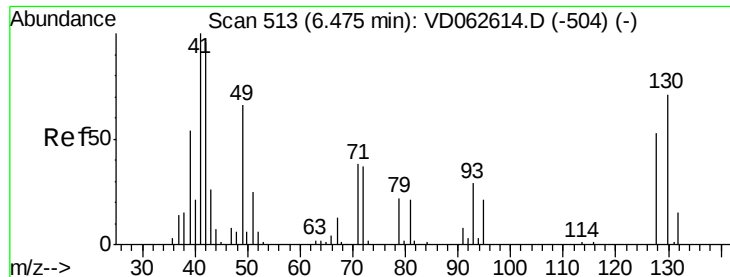


#28

Bromochloromethane
Concen: 55.016 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 49 Resp: 302661
Ion Ratio Lower Upper
49 100
129 2.9 0.0 6.4
130 102.0 77.6 116.4





#29

Tetrahydrofuran

Concen: 256.717 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

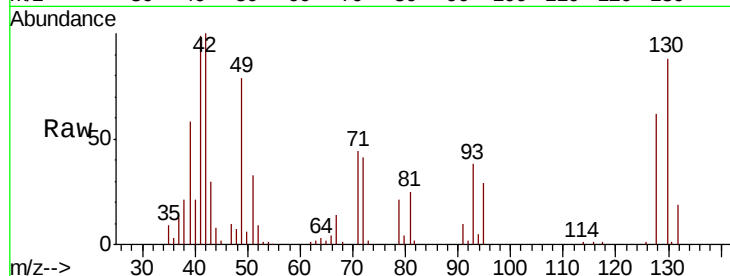
Tot Ion: 42 Resp: 229646

Ion Ratio Lower Upper

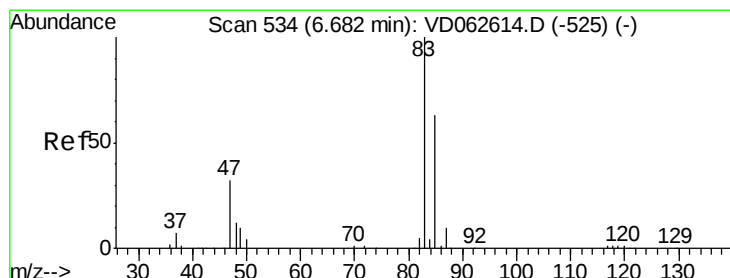
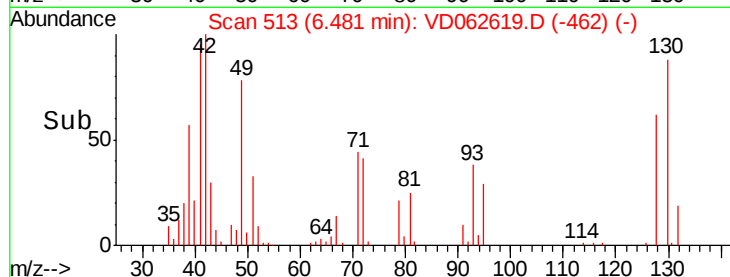
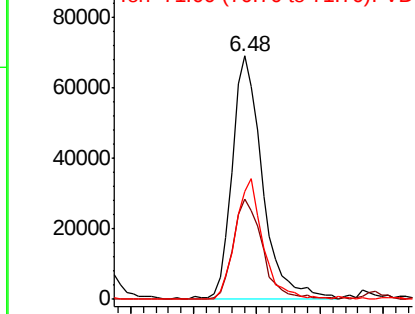
42 100

72 40.0 32.5 48.7

71 44.8 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.119 ug/l

RT: 6.69 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD062619.D

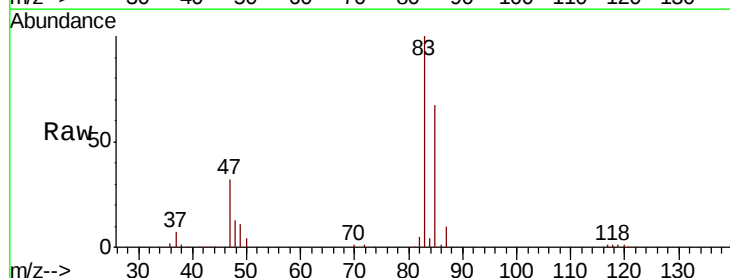
Acq: 6 Jun 2019 11:02

Tgt Ion: 83 Resp: 924466

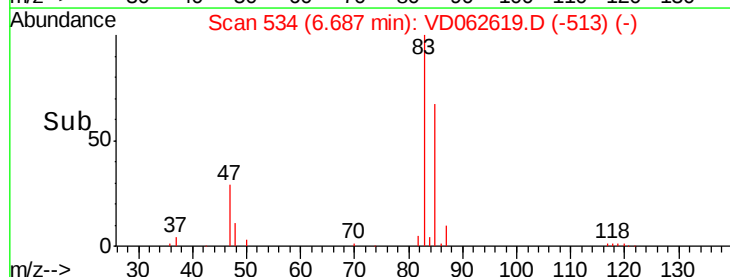
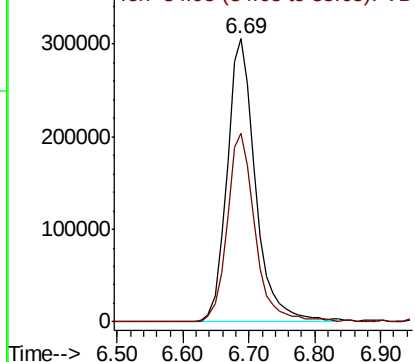
Ion Ratio Lower Upper

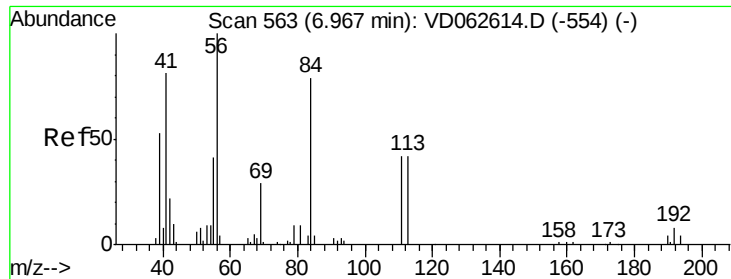
83 100

85 66.7 50.4 75.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

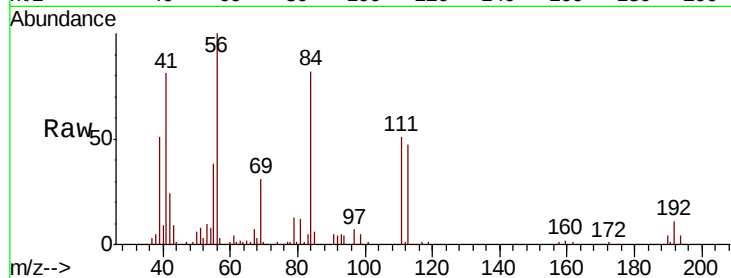




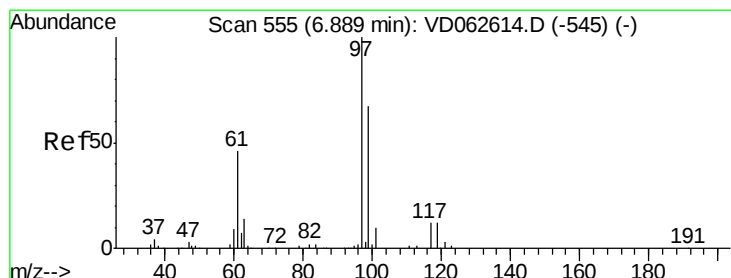
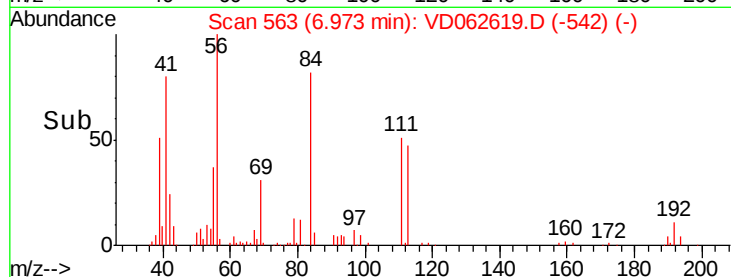
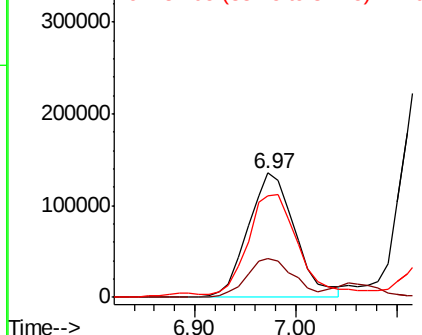
#31
Cyclohexane
Concen: 47.197 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 438710
Ion Ratio Lower Upper
56 100
69 31.4 23.0 34.4
84 82.1 66.0 99.0

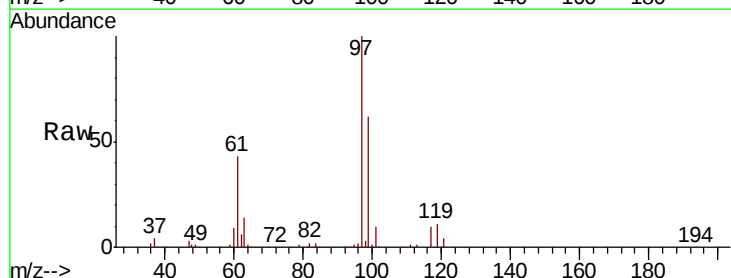


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

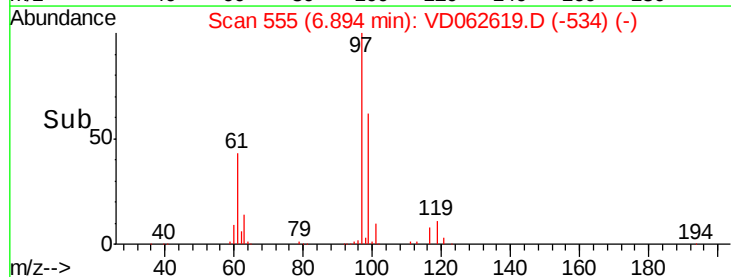
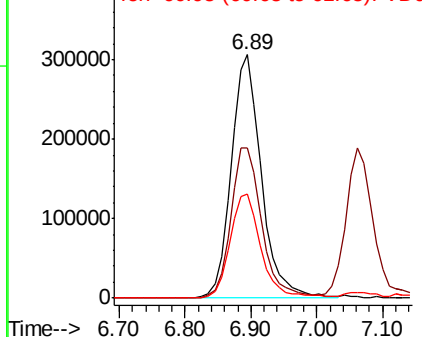


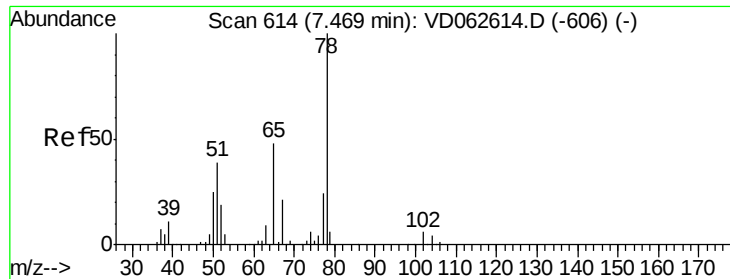
#32
1,1,1-Trichloroethane
Concen: 53.690 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 97 Resp: 982832
Ion Ratio Lower Upper
97 100
99 61.7 53.4 80.0
61 42.7 36.7 55.1



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

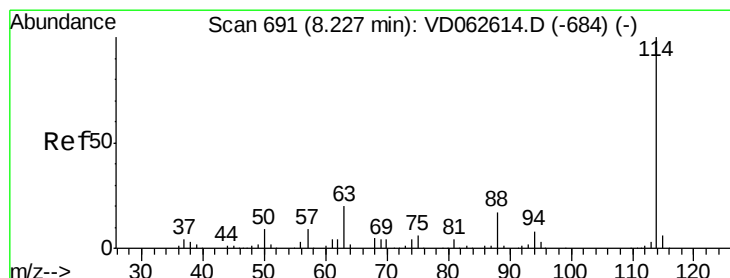
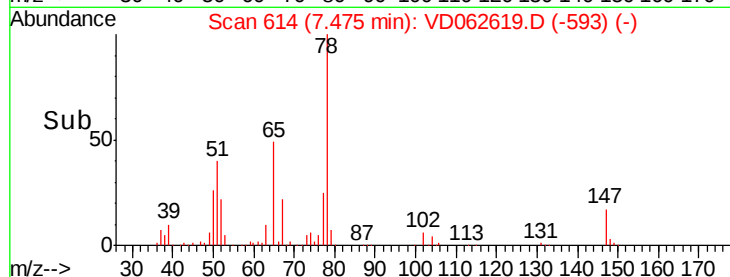
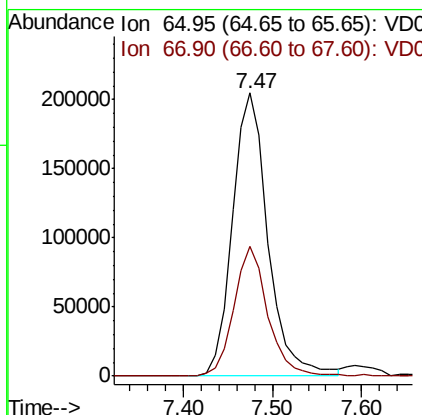
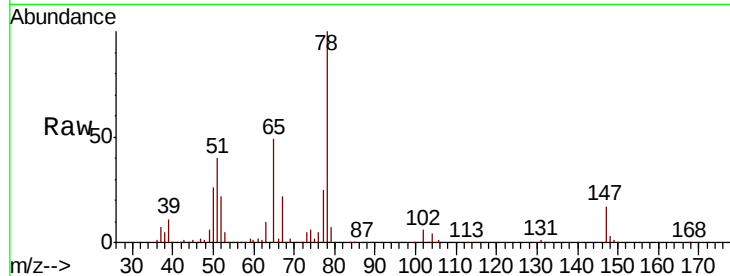




#33
 1,2-Dichloroethane-d4
 Concen: 50.298 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

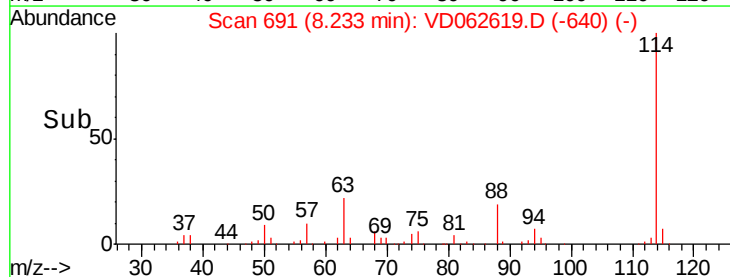
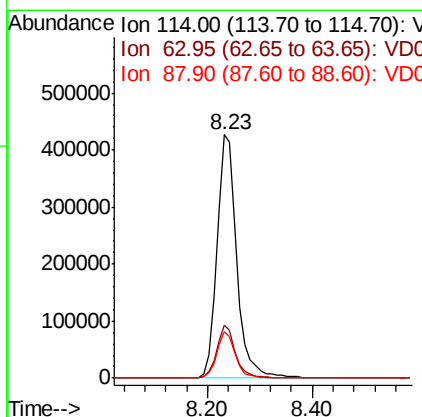
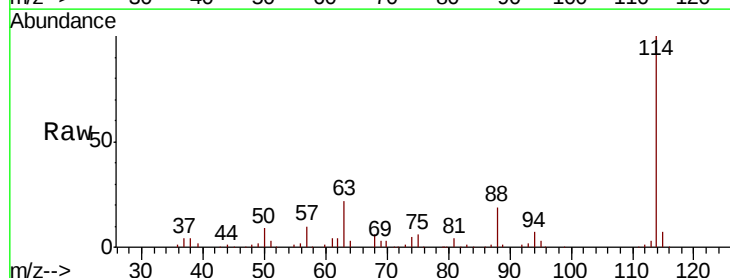
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

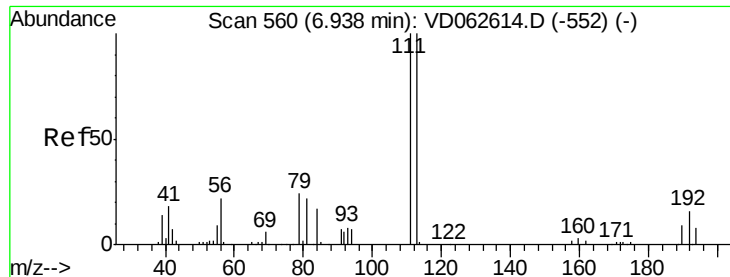
Tot Ion: 65 Resp: 567776
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 86.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion: 114 Resp: 1115862
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.0
 88 18.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.814 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

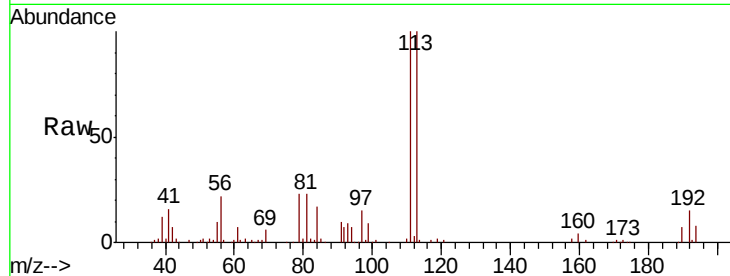
Tot Ion:113 Resp: 553608

Ion Ratio Lower Upper

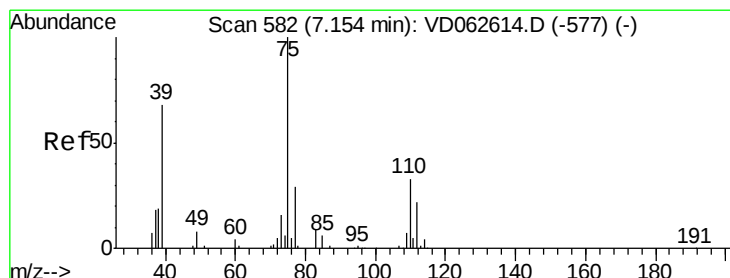
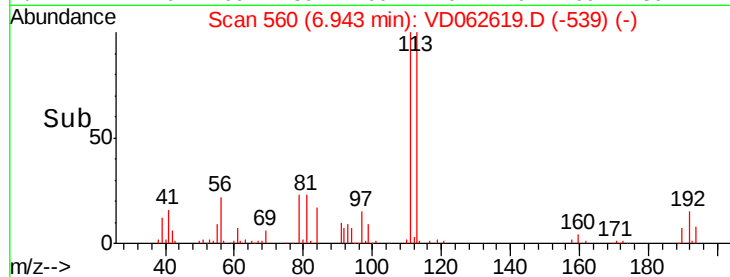
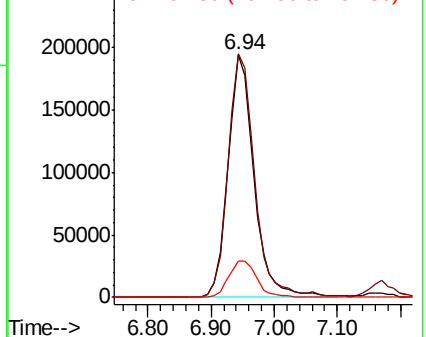
113 100

111 100.4 80.1 120.1

192 14.8 13.0 19.6



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.271 ug/l

RT: 7.17 min Scan# 583

Delta R.T. 0.02 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

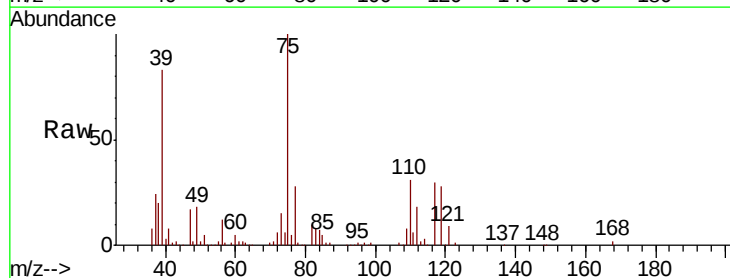
Tgt Ion: 75 Resp: 603116

Ion Ratio Lower Upper

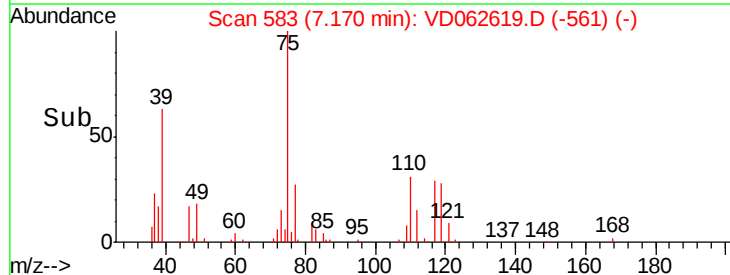
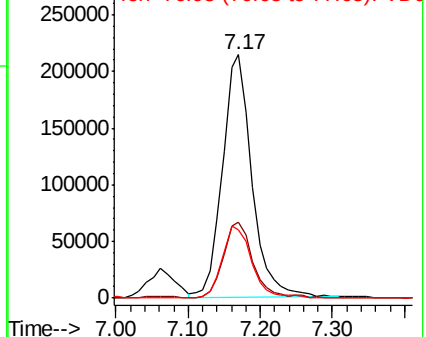
75 100

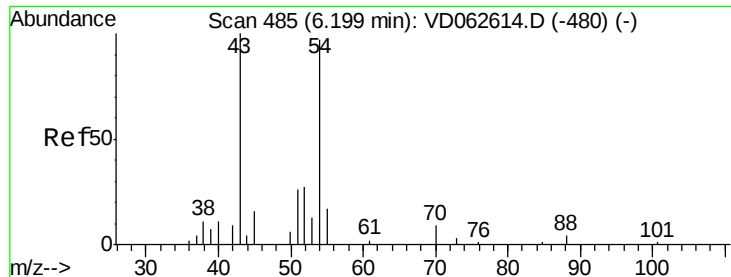
110 31.0 16.5 49.5

77 27.8 23.3 34.9



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

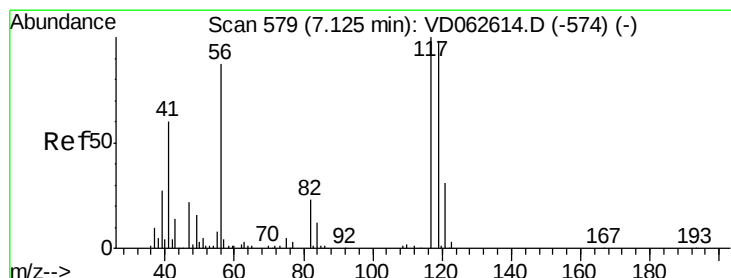
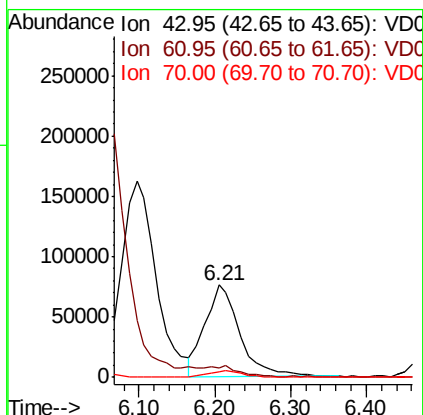
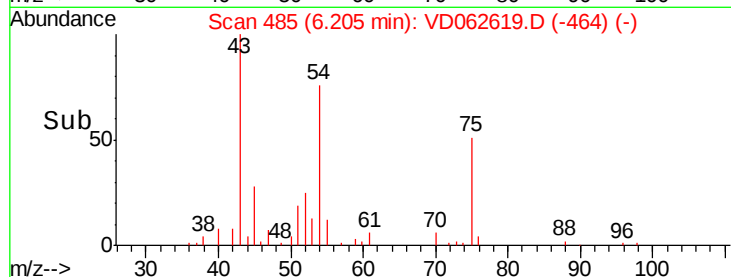
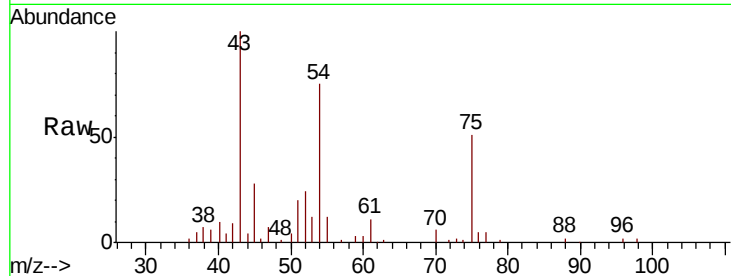




#37
Ethyl Acetate
Concen: 49.750 ug/l
RT: 6.21 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

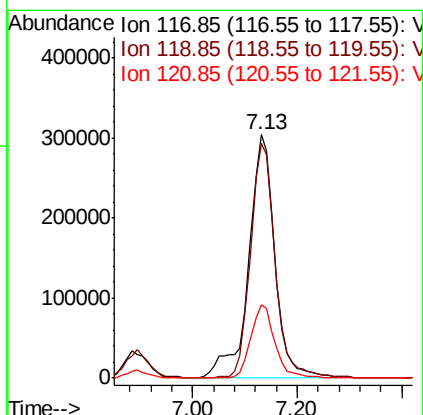
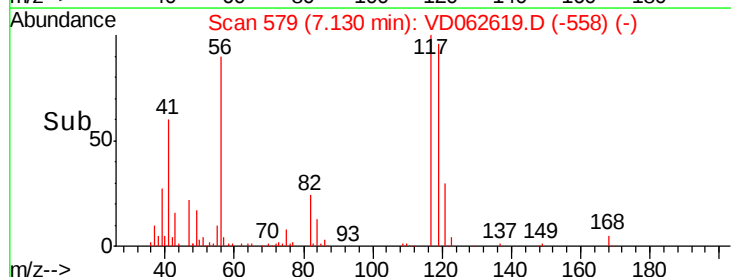
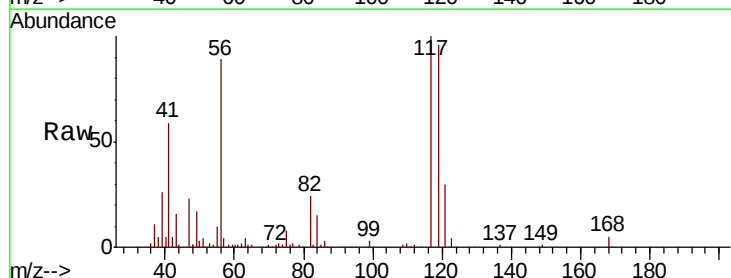
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

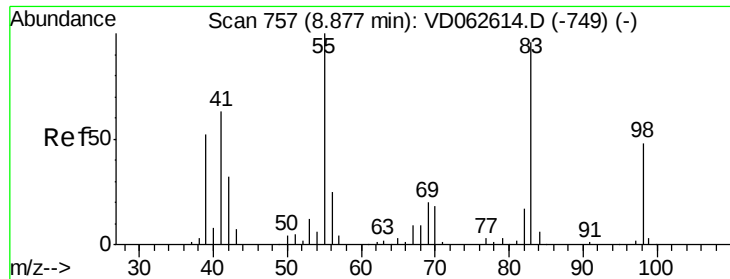
Tot Ion: 43 Resp: 240861
Ion Ratio Lower Upper
43 100
61 10.7 8.8 13.2
70 5.9 5.6 8.4



#38
Carbon Tetrachloride
Concen: 57.077 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 117 Resp: 1027766
Ion Ratio Lower Upper
117 100
119 96.4 74.1 111.1
121 30.3 23.5 35.3

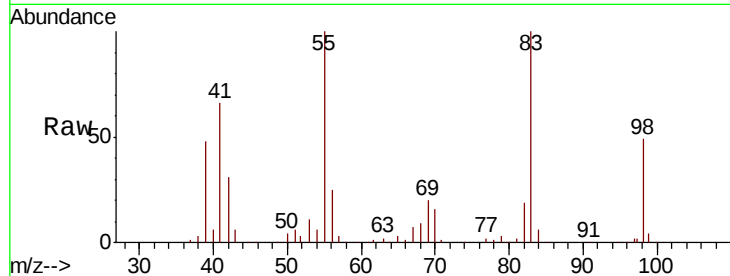




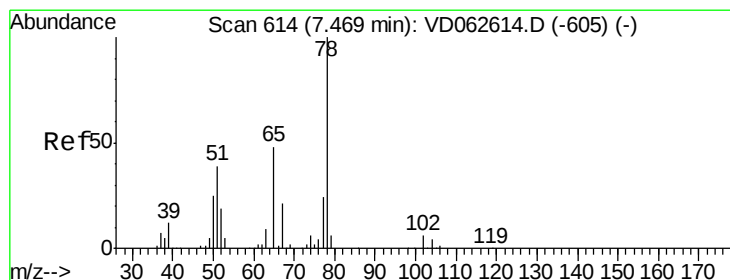
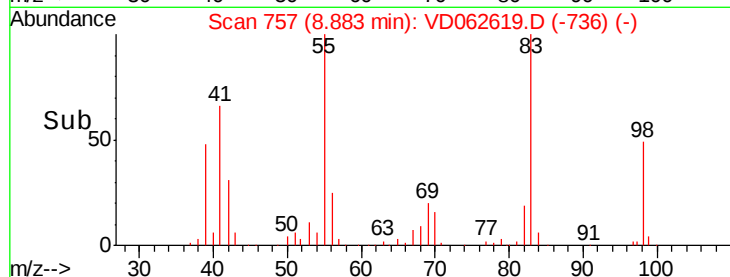
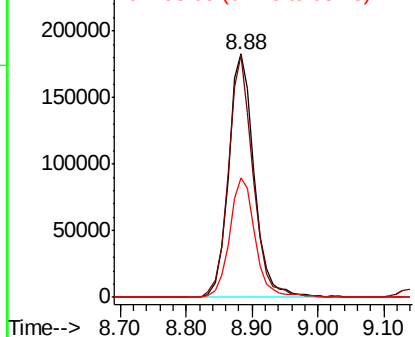
#39
Methvlcvclohexane
Concen: 48.324 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 495685
Ion Ratio Lower Upper
83 100
55 99.5 83.2 124.8
98 49.1 39.8 59.8

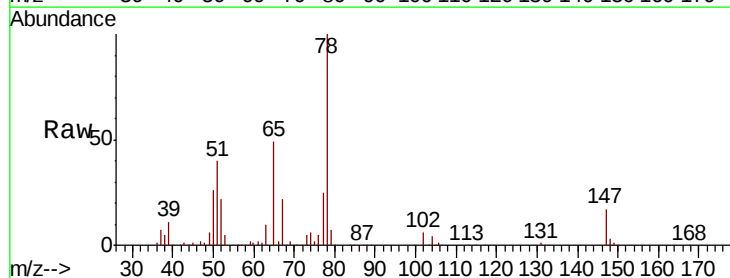


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

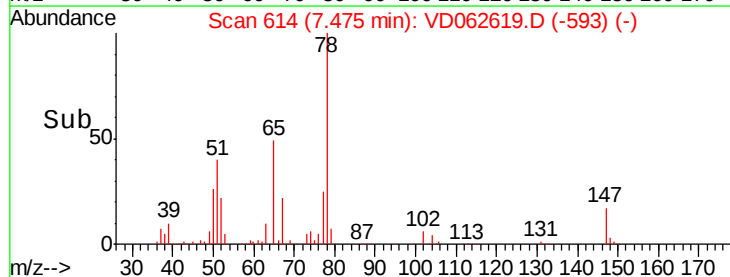
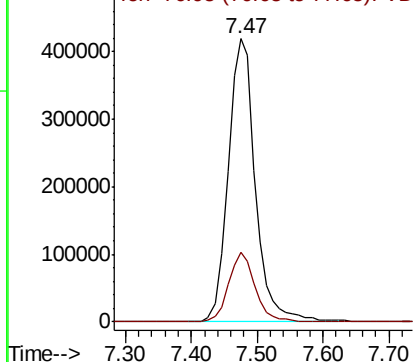


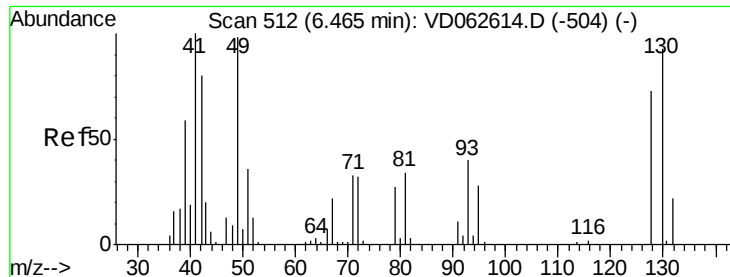
#40
Benzene
Concen: 50.943 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 78 Resp: 1207121
Ion Ratio Lower Upper
78 100
77 24.6 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 50.047 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

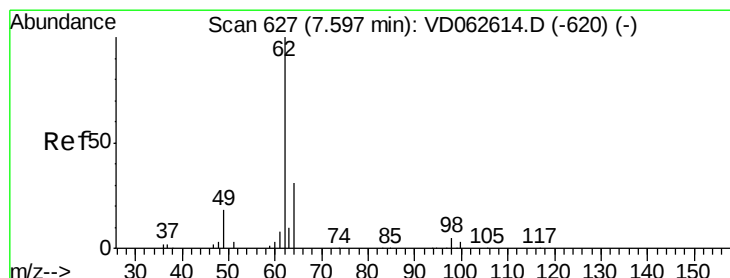
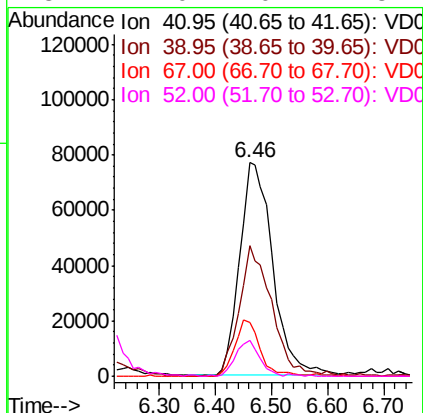
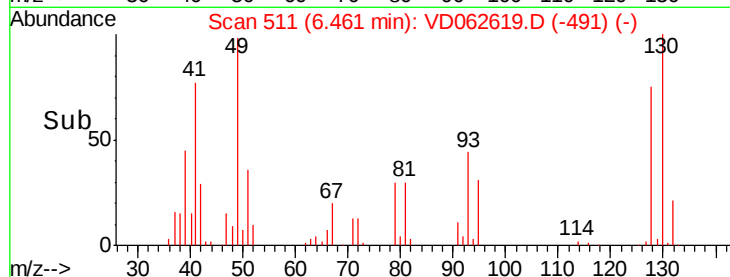
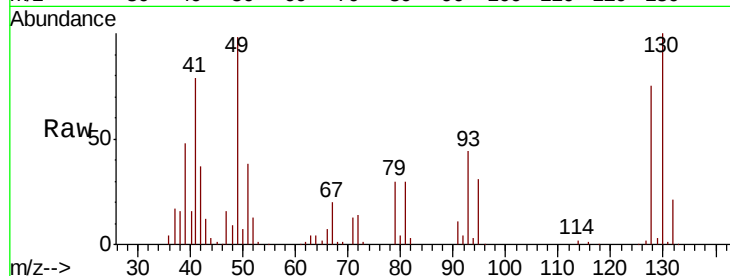
ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 313774

Ion Ratio Lower Upper

41	100		
39	61.2	47.5	71.3
67	25.1	17.8	26.6
52	17.0	10.2	15.4



#42

1,2-Dichloroethane

Concen: 52.877 ug/l

RT: 7.60 min Scan# 627

Delta R.T. 0.01 min

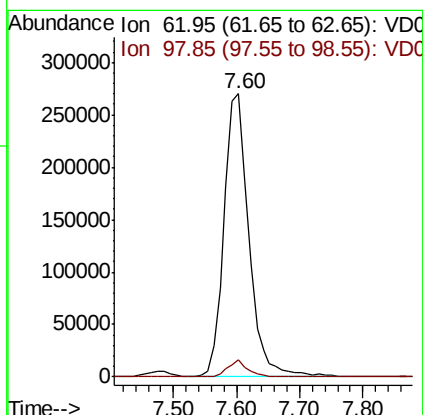
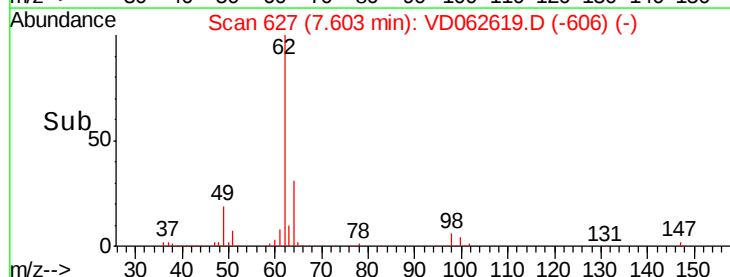
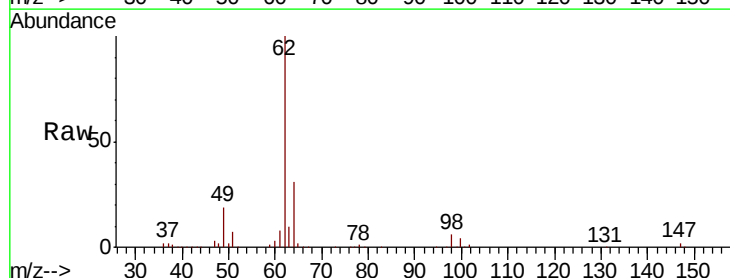
Lab File: VD062619.D

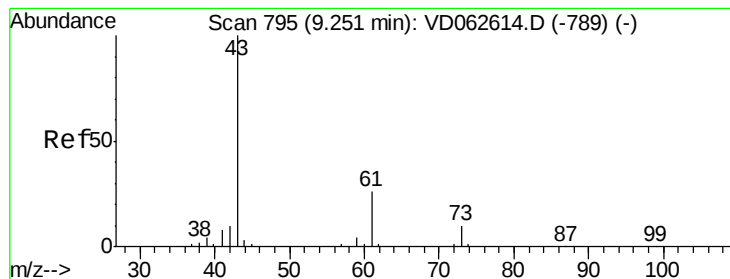
Acq: 6 Jun 2019 11:02

Tgt Ion: 62 Resp: 737492

Ion Ratio Lower Upper

62	100		
98	5.9	0.0	10.2





#43

Isopropyl Acetate

Concen: 48.342 ug/l

RT: 9.26 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

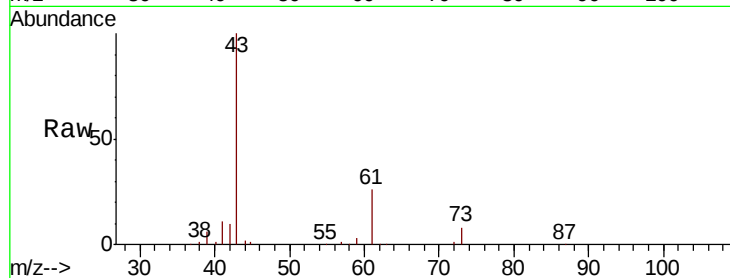
Tot Ion: 43 Resp: 321682

Ion Ratio Lower Upper

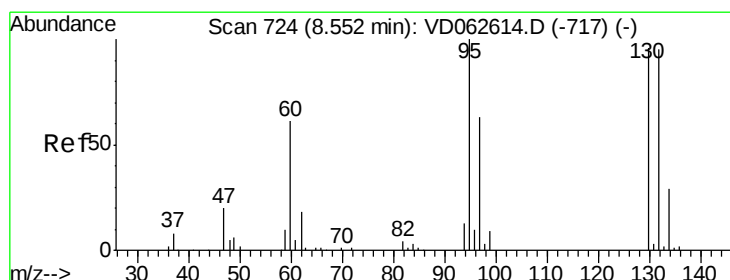
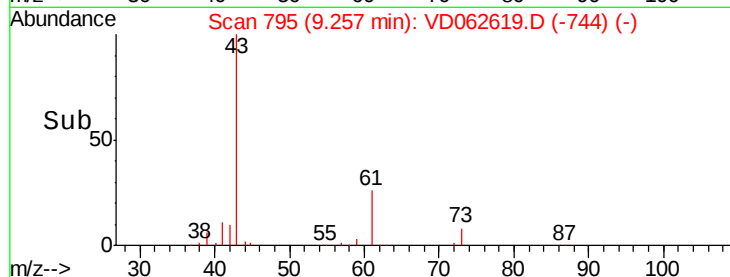
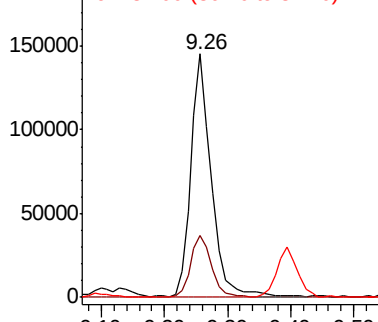
43 100

61 25.6 21.0 31.6

87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.640 ug/l

RT: 8.56 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062619.D

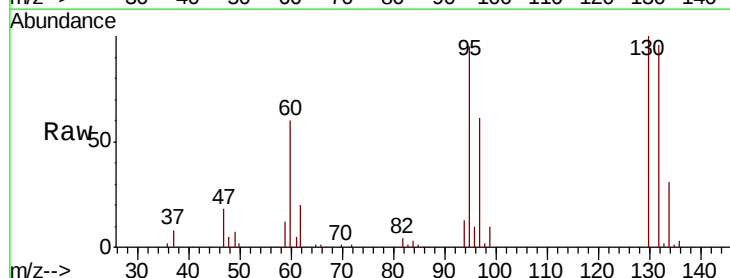
Acq: 6 Jun 2019 11:02

Tgt Ion: 130 Resp: 476998

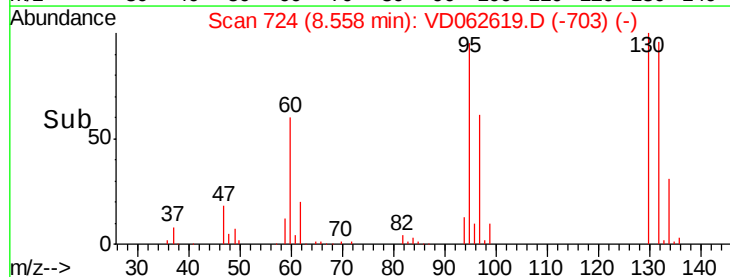
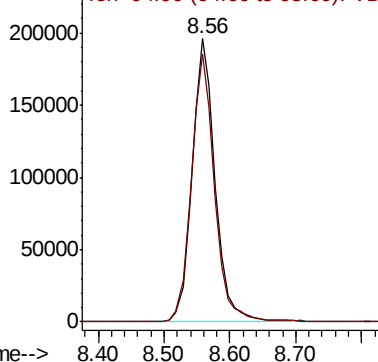
Ion Ratio Lower Upper

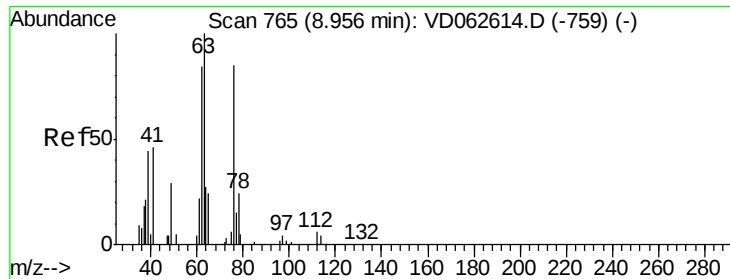
130 100

95 94.8 0.0 208.2



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





#45

1,2-Dichloropropane

Concen: 49.791 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

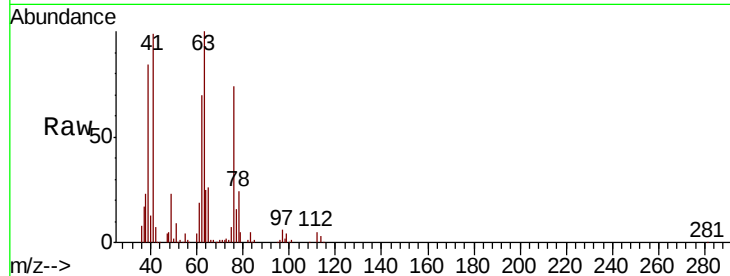
VSTDCCC050

Tot Ion: 63 Resp: 295433

Ion Ratio Lower Upper

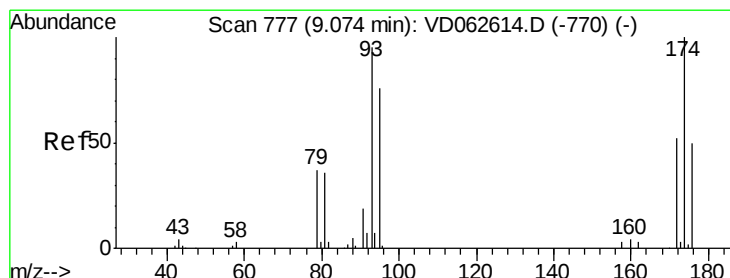
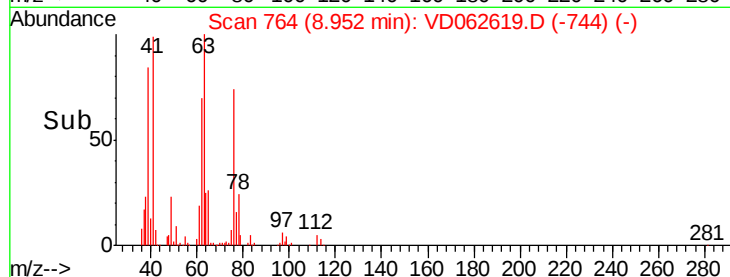
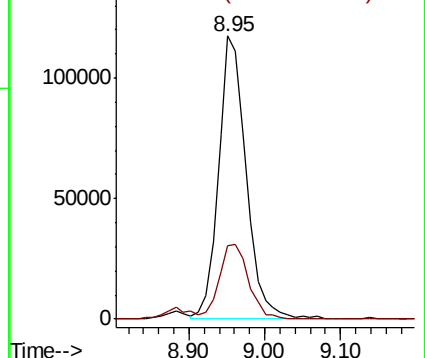
63 100

65 26.0 21.7 32.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.010 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

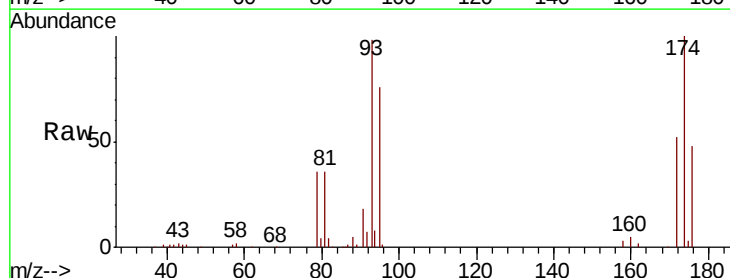
Tgt Ion: 93 Resp: 268477

Ion Ratio Lower Upper

93 100

95 78.0 64.2 96.2

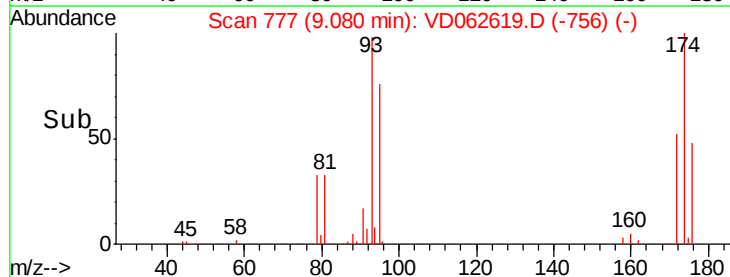
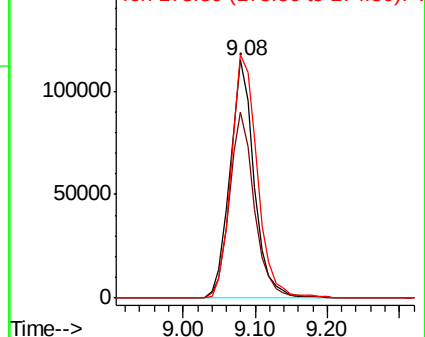
174 102.2 84.1 126.1

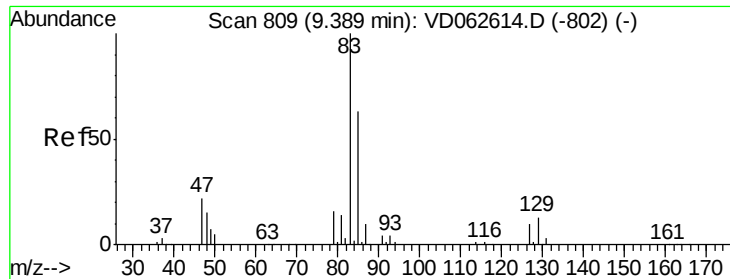


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 48.463 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

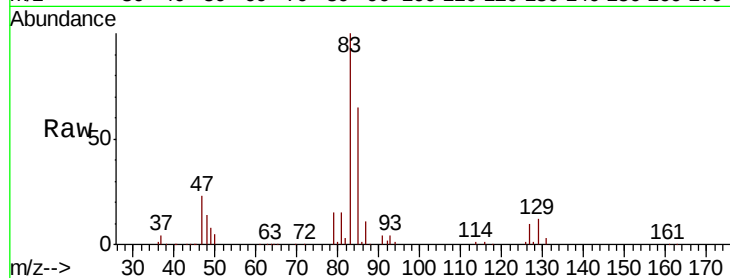
Tot Ion: 83 Resp: 673811

Ion Ratio Lower Upper

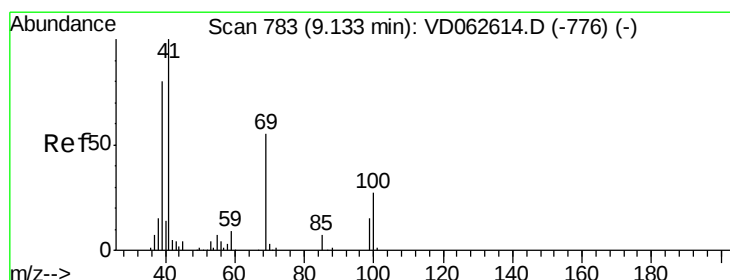
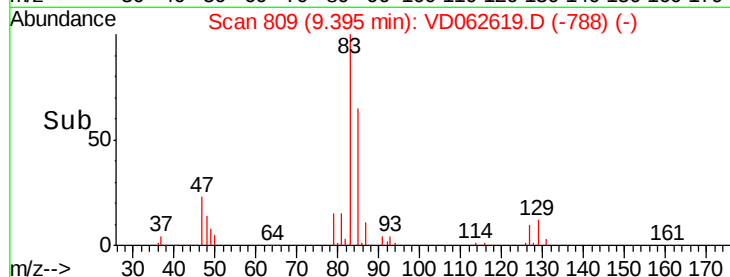
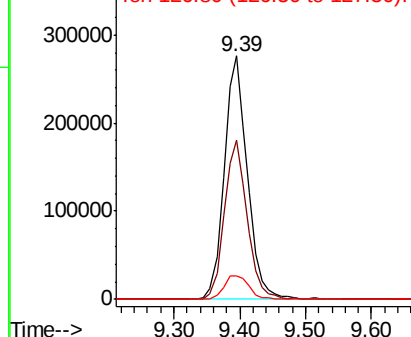
83 100

85 65.4 50.2 75.4

127 9.7 7.9 11.9



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: 52.935 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

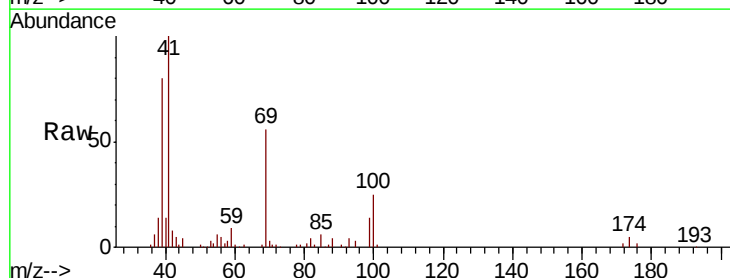
Tgt Ion: 41 Resp: 239554

Ion Ratio Lower Upper

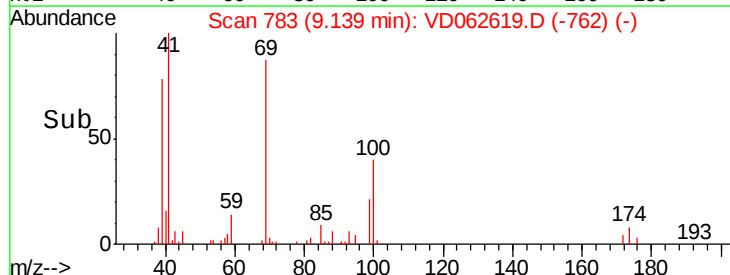
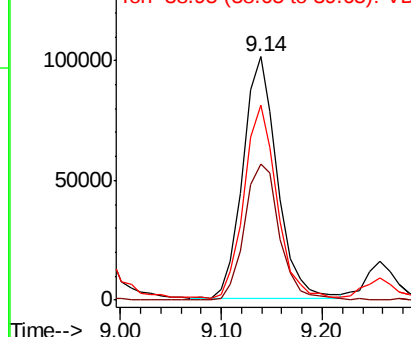
41 100

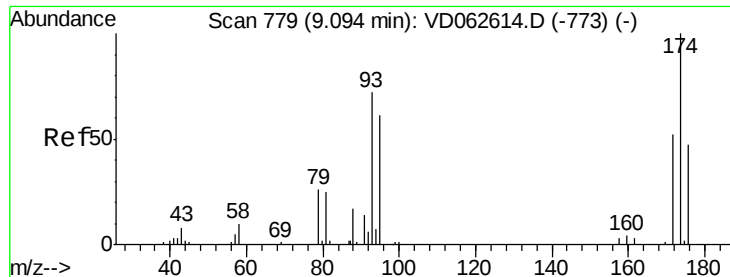
69 56.1 43.8 65.8

39 80.2 64.0 96.0



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

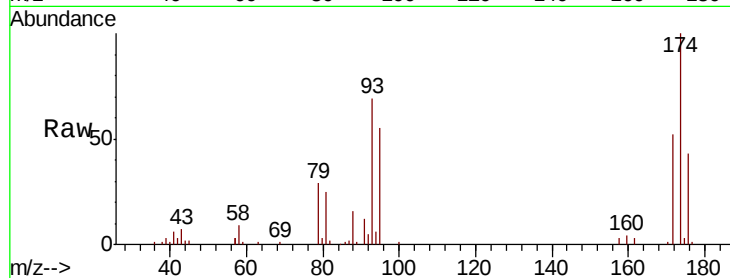




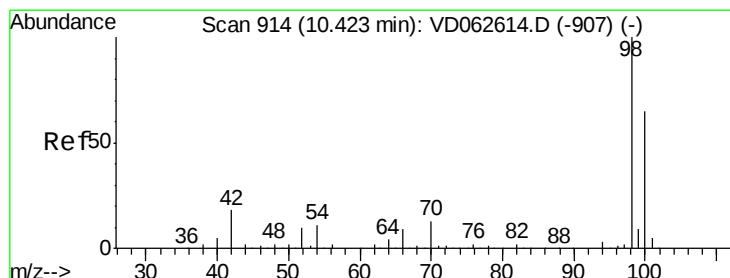
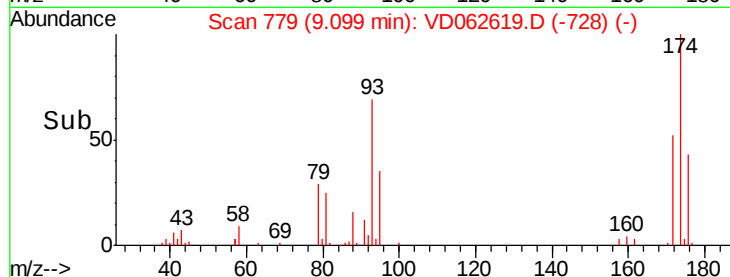
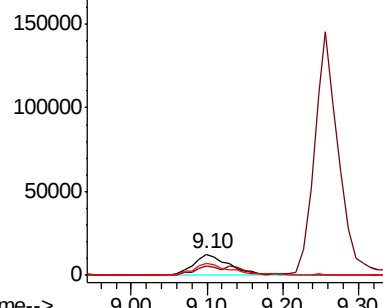
#49
1,4-Dioxane
Concen: 1145.136 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 41128
Ion Ratio Lower Upper
88 100
43 42.1 39.3 58.9
58 54.3 45.3 67.9

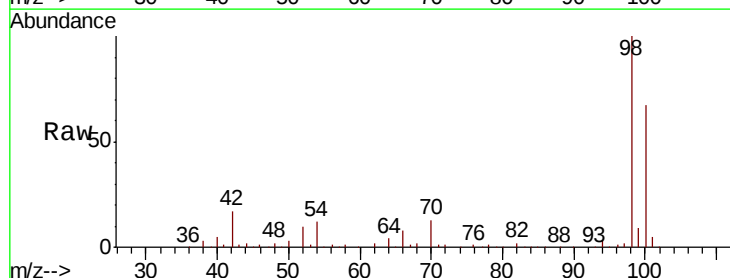


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

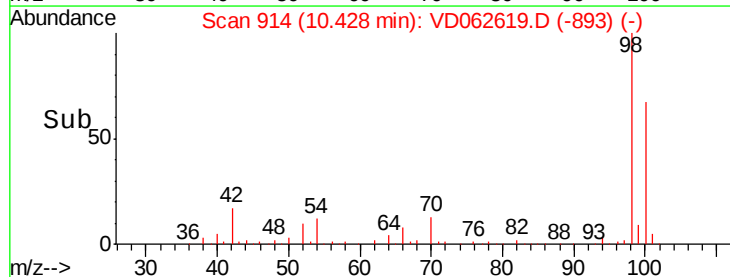
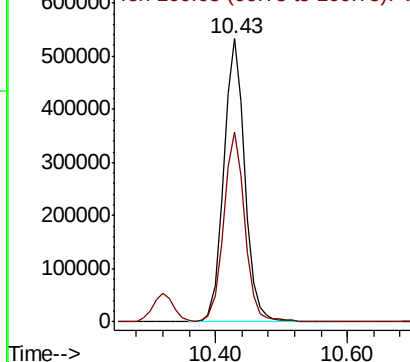


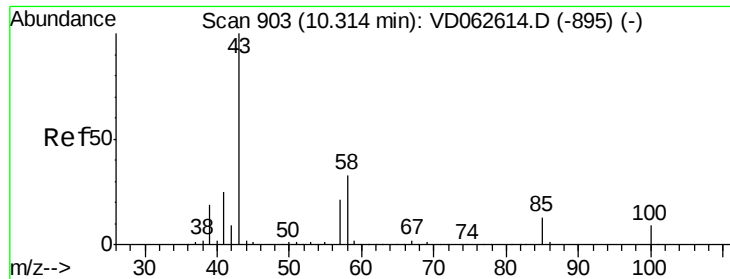
#50
Toluene-d8
Concen: 48.822 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 98 Resp: 1192807
Ion Ratio Lower Upper
98 100
100 67.0 52.8 79.2



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: 263.553 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

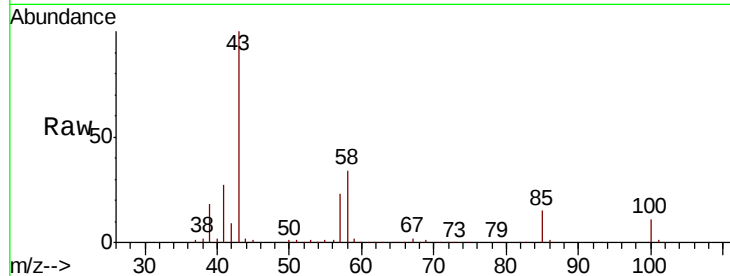
VSTDCCC050

Tot Ion: 43 Resp: 1141938

Ion Ratio Lower Upper

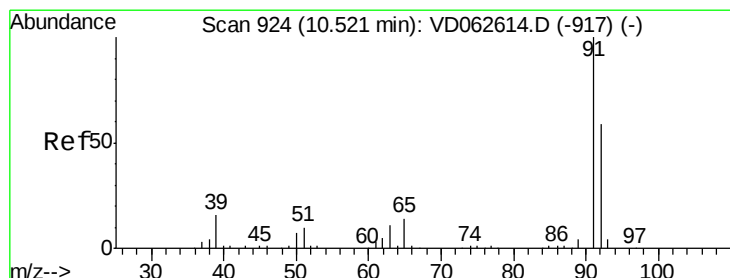
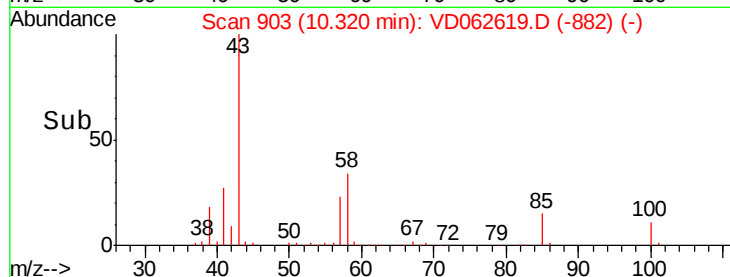
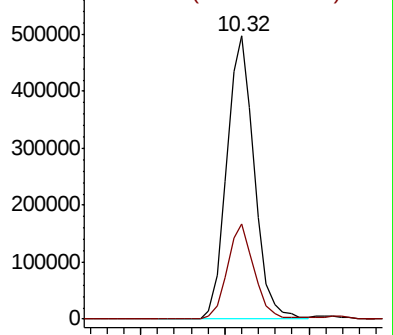
43 100

58 33.7 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.741 ug/l

RT: 10.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062619.D

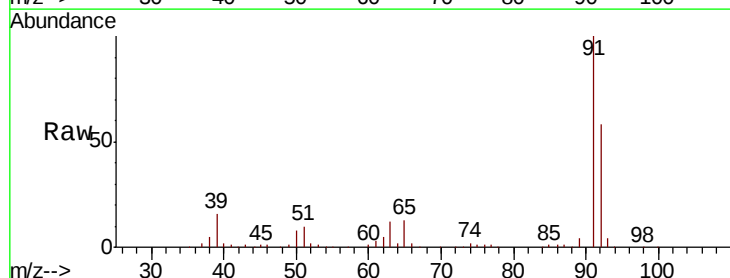
Acq: 6 Jun 2019 11:02

Tgt Ion: 92 Resp: 813193

Ion Ratio Lower Upper

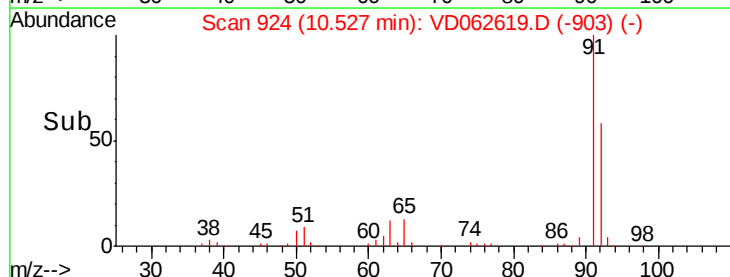
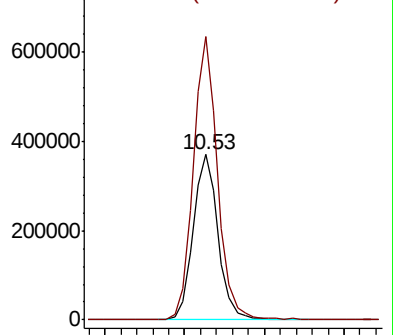
92 100

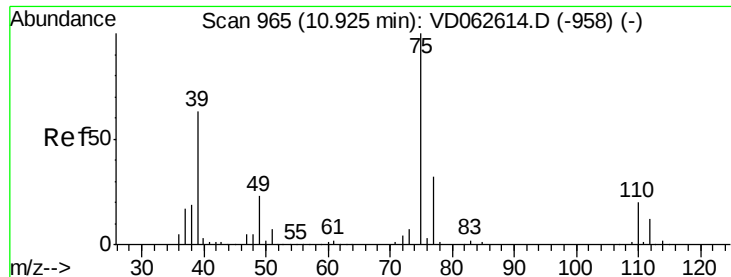
91 171.1 134.7 202.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

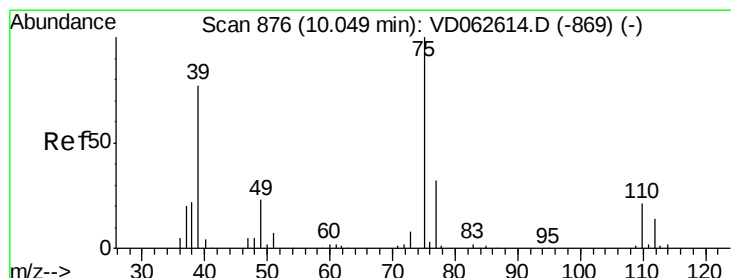
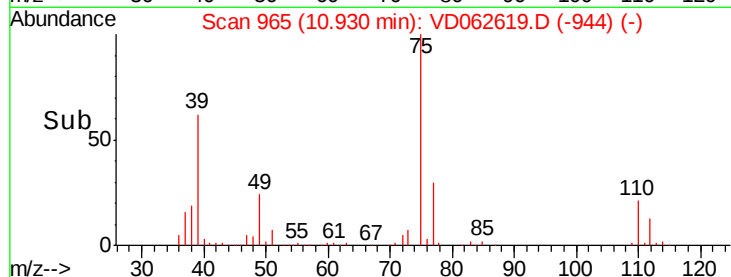
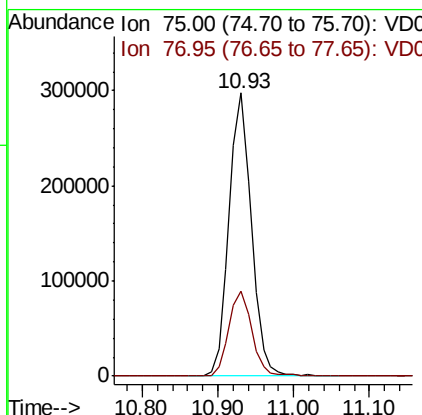
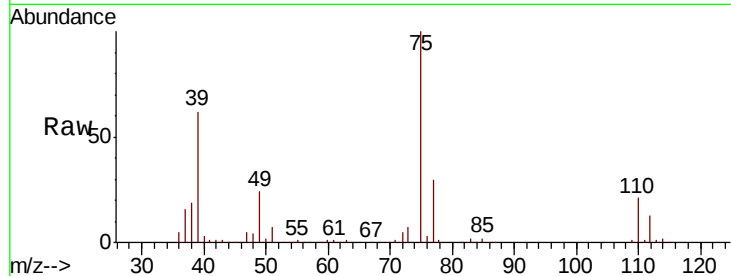




#53
 t-1,3-Dichloropropene
 Concen: 52.592 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

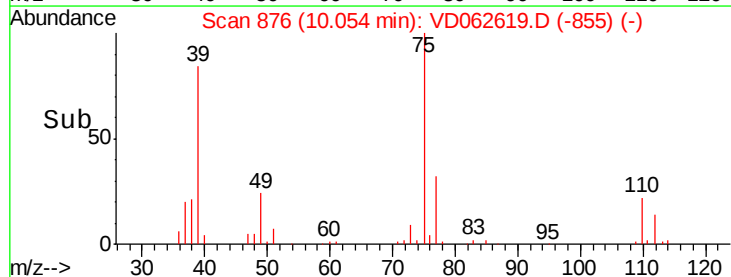
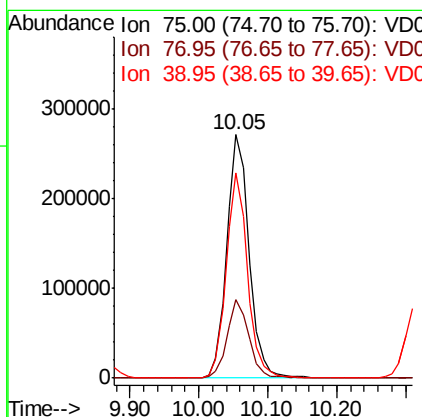
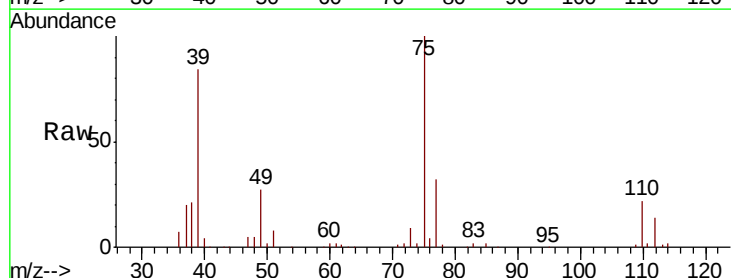
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

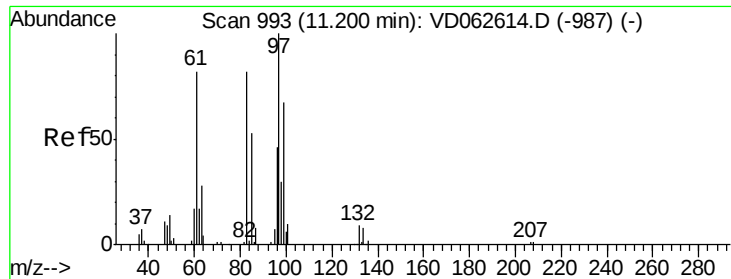
Tot Ion: 75 Resp: 607145
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.770 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion: 75 Resp: 608608
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.6 38.4
 39 84.3 61.2 91.8

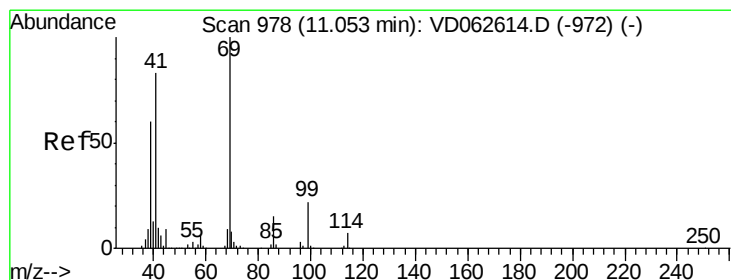
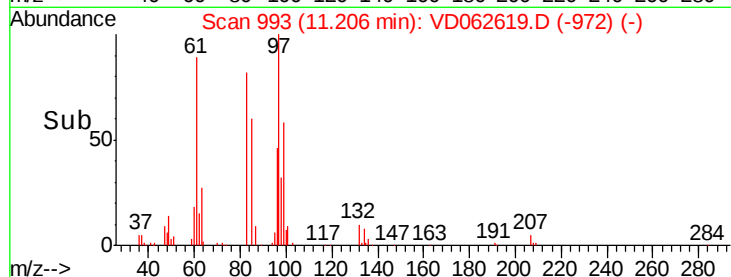
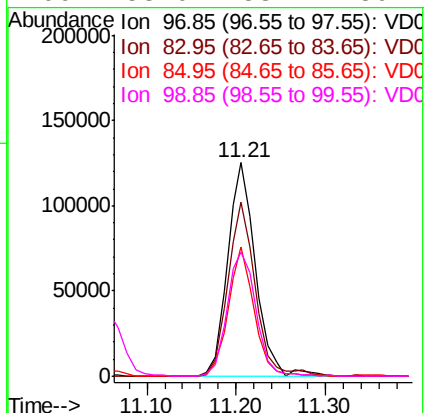
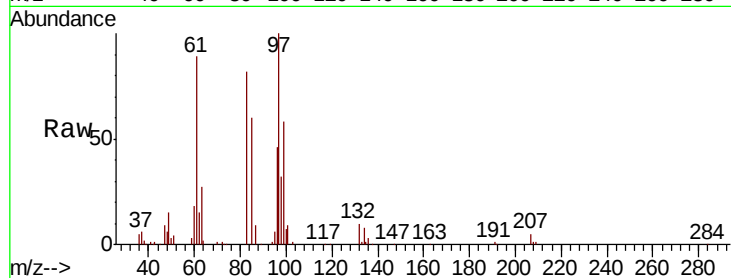




#55
 1,1,2-Trichloroethane
 Concen: 51.049 ug/l
 RT: 11.21 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

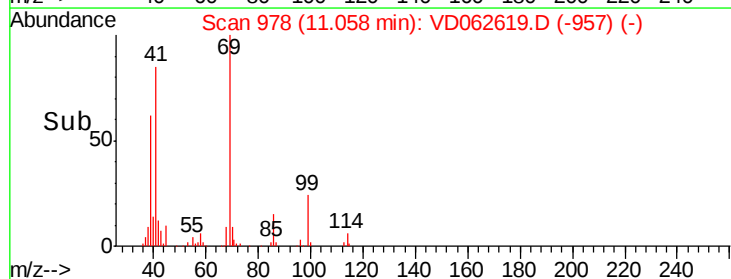
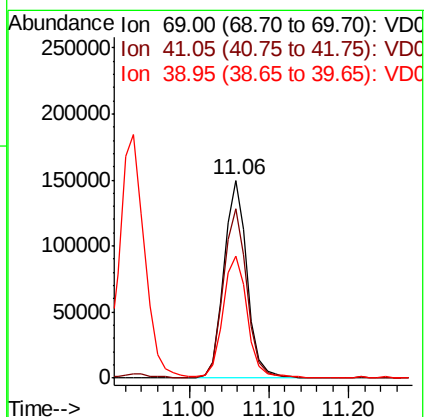
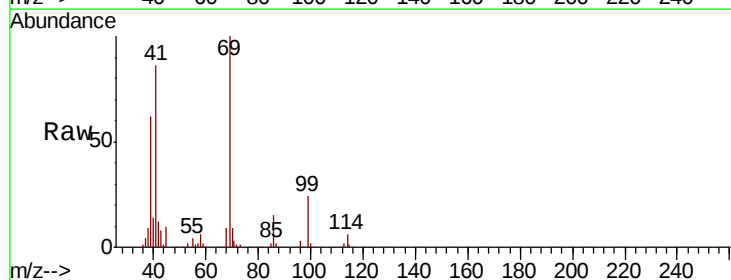
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

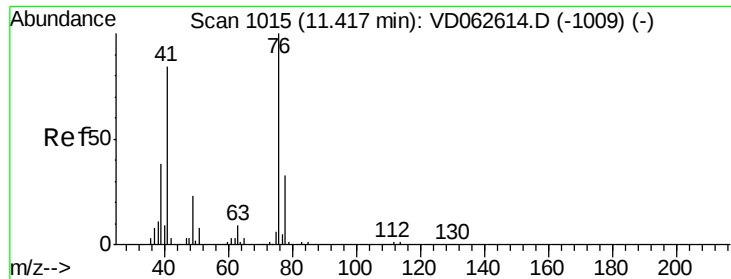
Tot Ion:	97	Resp:	275256
Ion	Ratio	Lower	Upper
97	100		
83	81.8	65.9	98.9
85	60.5	42.6	63.8
99	58.0	53.4	80.2



#56
 Ethyl methacrylate
 Concen: 51.276 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion:	69	Resp:	308140
Ion	Ratio	Lower	Upper
69	100		
41	85.5	66.3	99.5
39	61.8	48.3	72.5

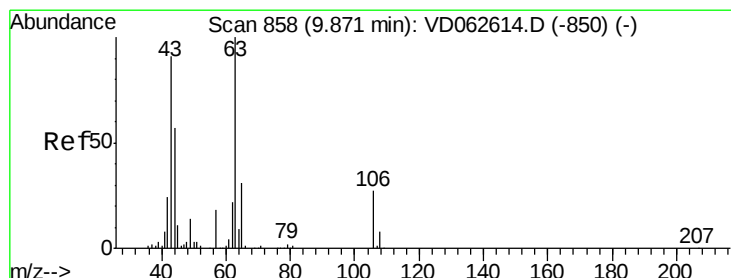
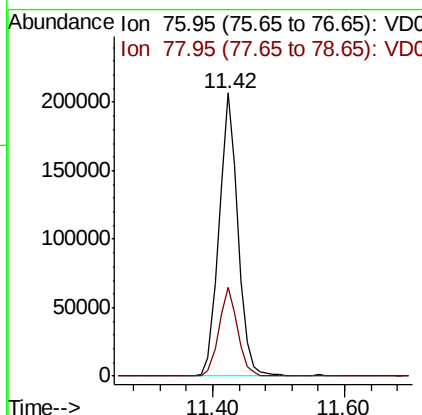
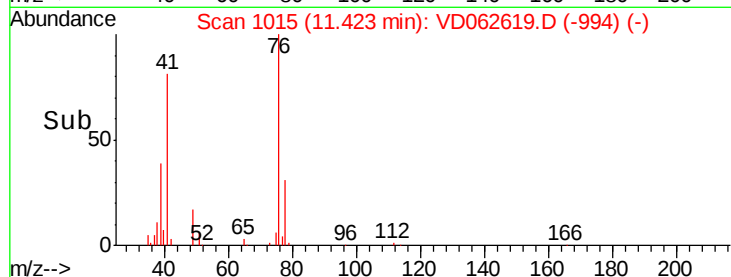
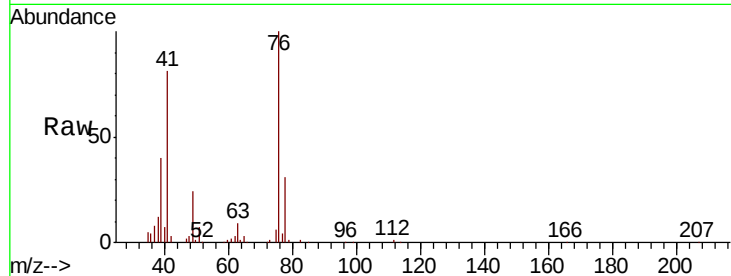




#57
 1,3-Dichloropropane
 Concen: 48.941 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

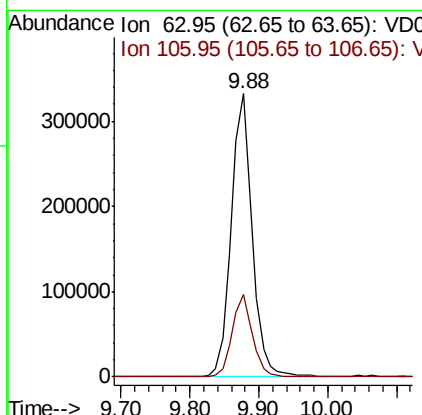
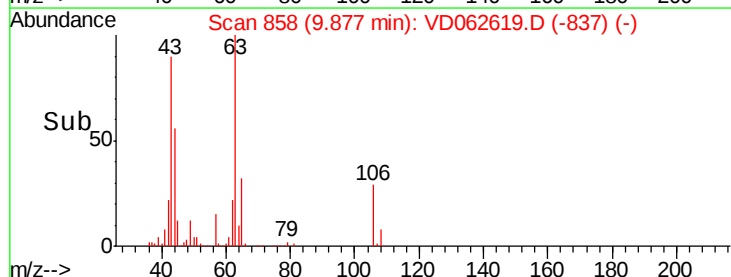
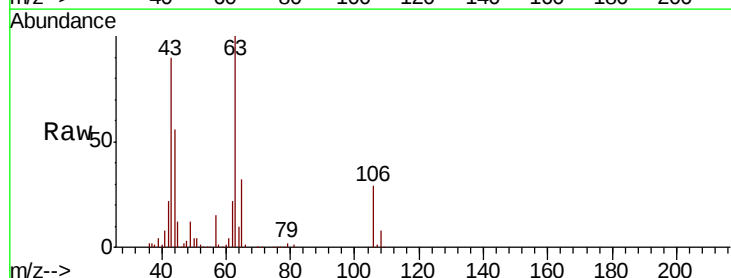
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

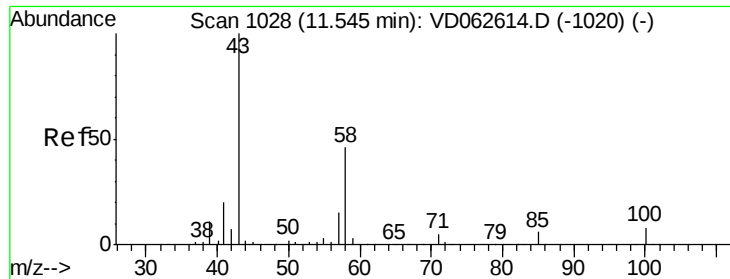
Tot Ion: 76 Resp: 412007
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.311 ug/l
 RT: 9.88 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion: 63 Resp: 700610
 Ion Ratio Lower Upper
 63 100
 106 29.0 21.3 31.9

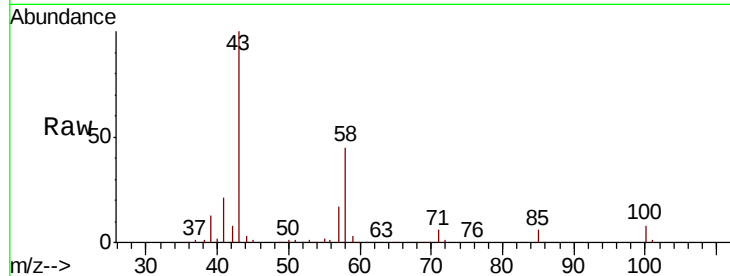




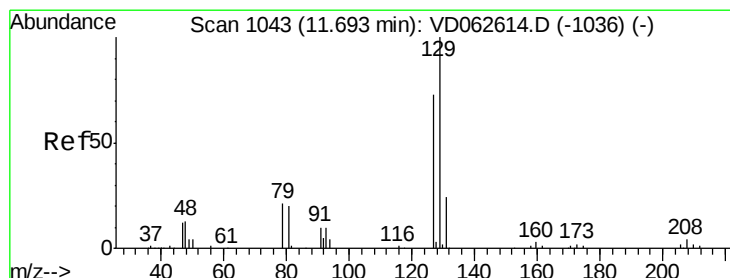
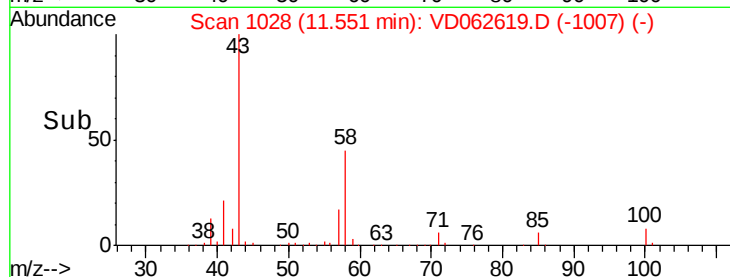
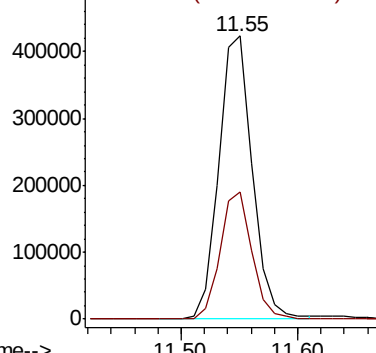
#59
2-Hexanone
Concen: 256.703 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 843366
Ion Ratio Lower Upper
43 100
58 44.9 22.8 68.3

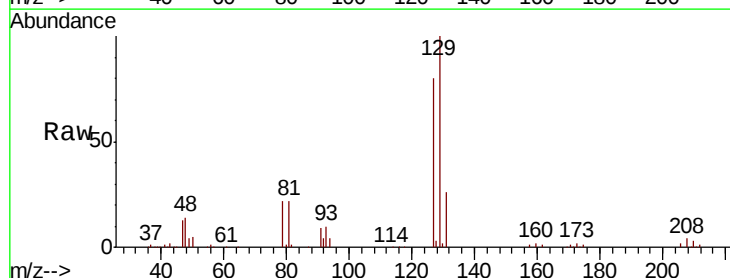


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

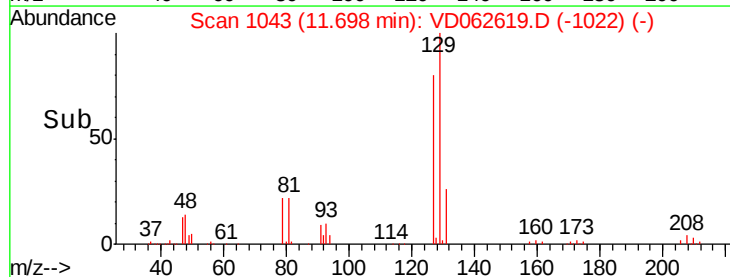
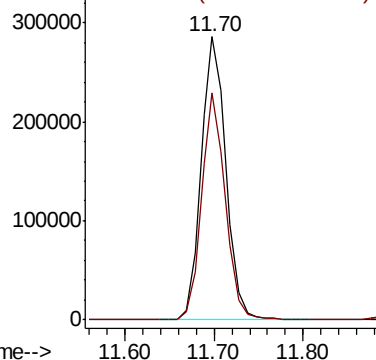


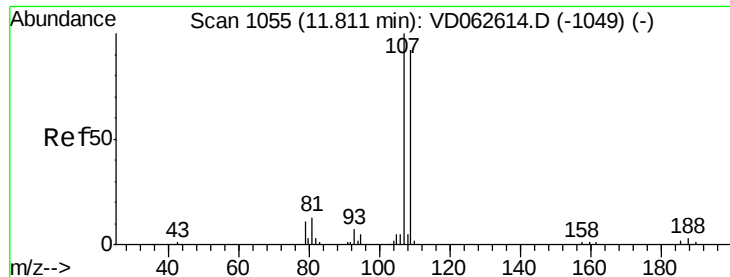
#60
Dibromochloromethane
Concen: 52.809 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 129 Resp: 556400
Ion Ratio Lower Upper
129 100
127 80.2 36.6 109.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

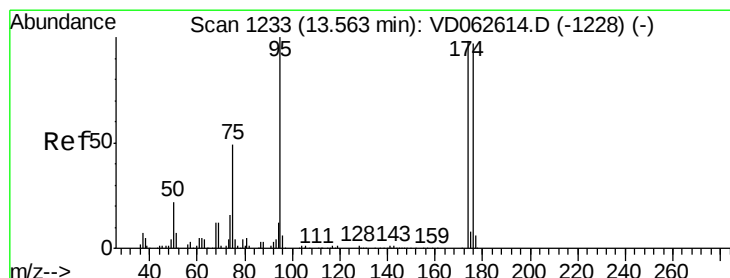
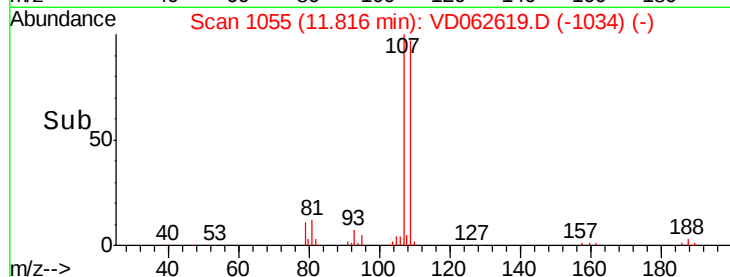
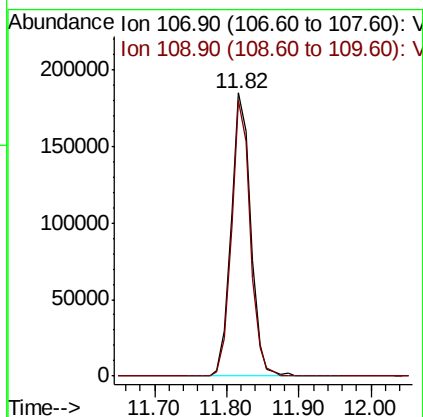
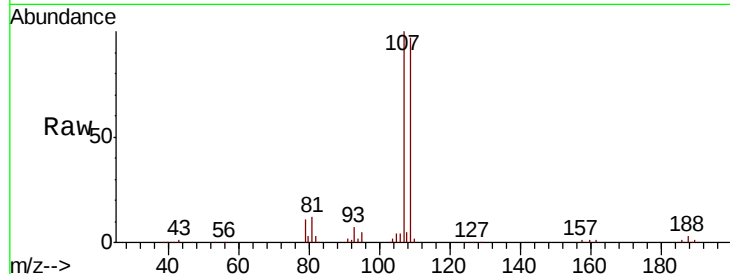




#61
 1,2-Dibromoethane
 Concen: 53.011 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

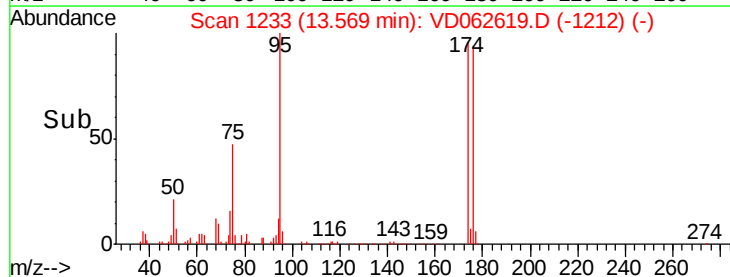
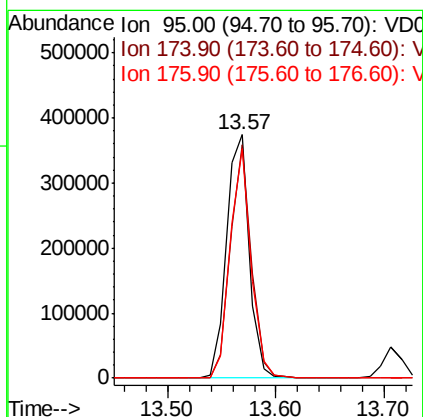
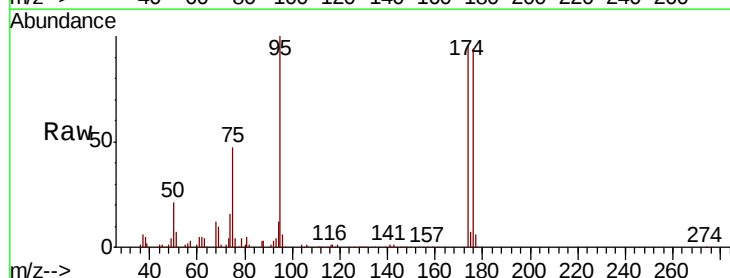
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

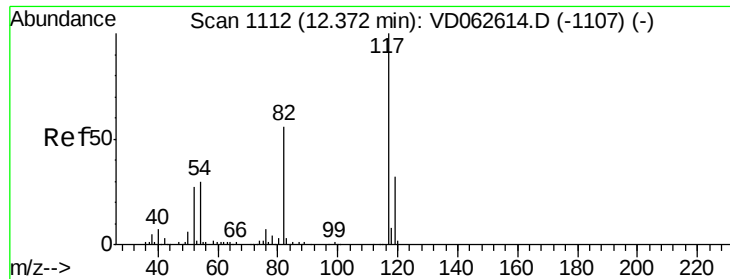
Tot Ion: 107 Resp: 350085
 Ion Ratio Lower Upper
 107 100
 109 97.4 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 47.511 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion: 95 Resp: 547232
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 195.8
 176 94.4 0.0 193.2

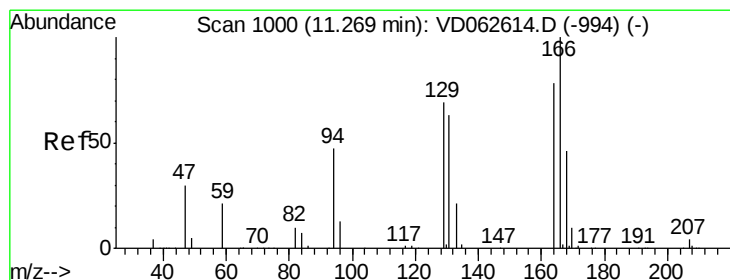
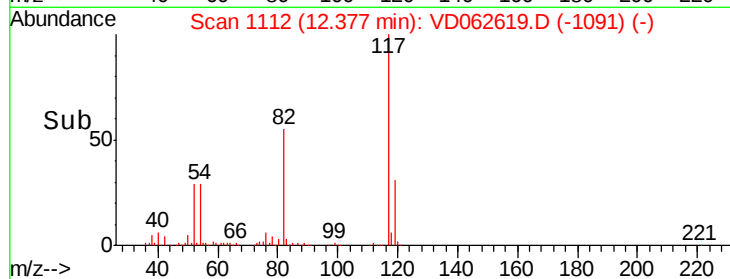
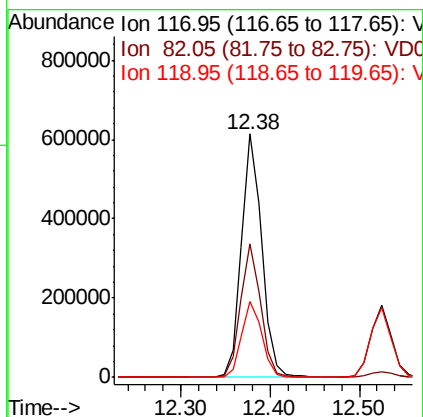
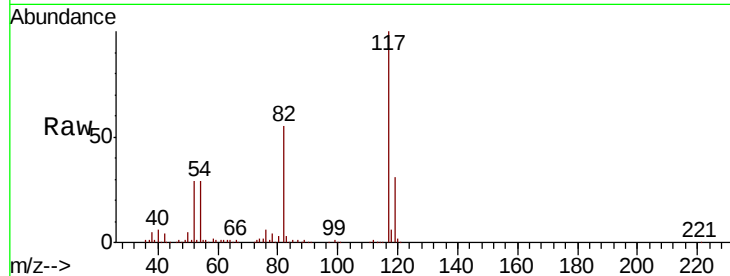




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

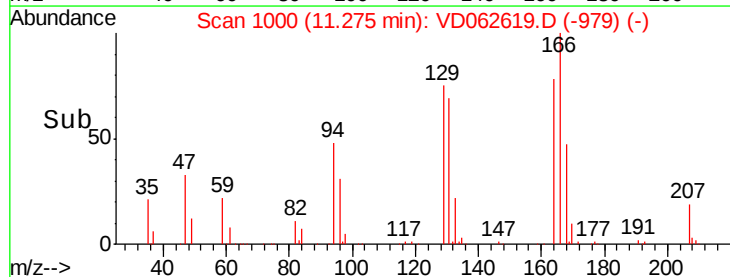
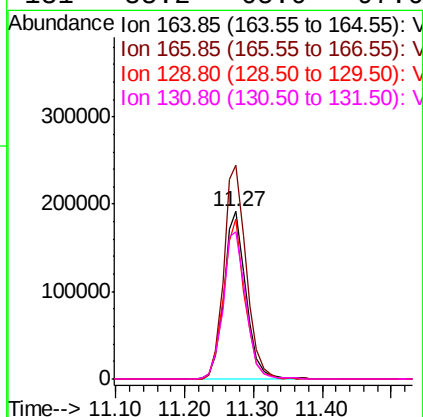
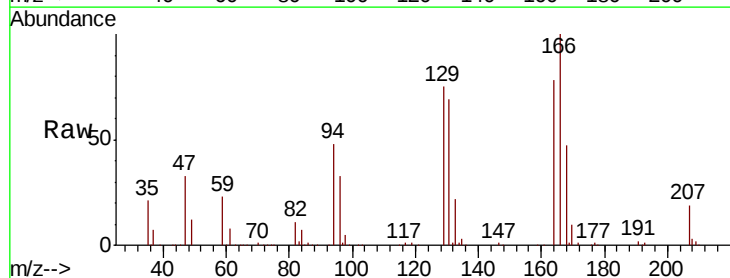
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

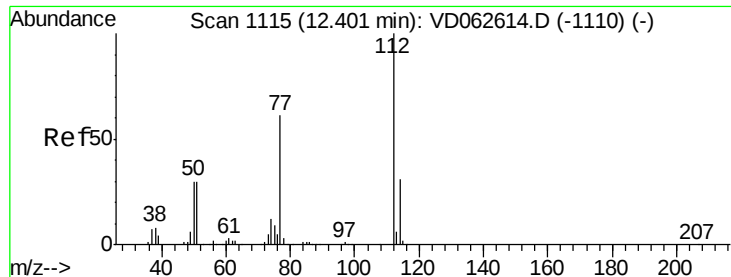
Tot Ion:117 Resp: 973060
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 31.2 25.7 38.5



#64
Tetrachloroethene
Concen: 47.821 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion:164 Resp: 420248
Ion Ratio Lower Upper
164 100
166 127.6 102.6 153.8
129 95.3 70.3 105.5
131 88.2 65.0 97.6





#65

Chlorobenzene

Concen: 49.557 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

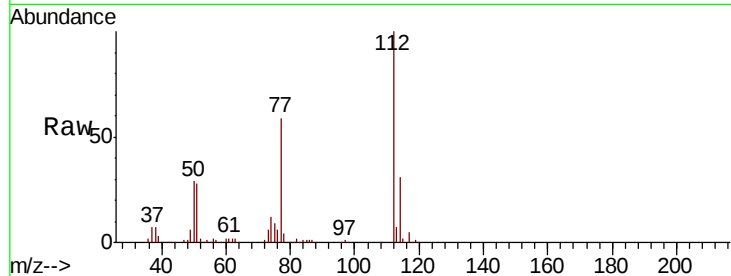
VSTDCCC050

Tot Ion:112 Resp: 1002015

Ion Ratio Lower Upper

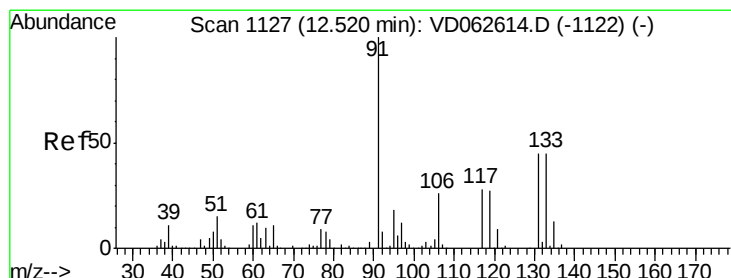
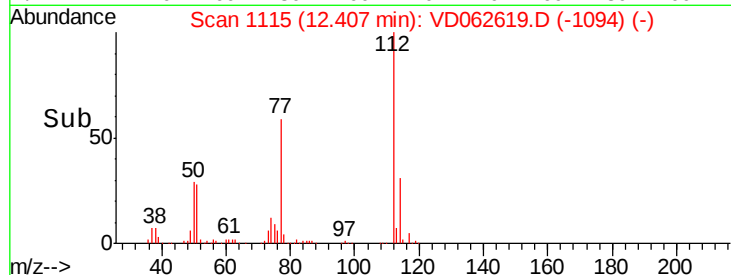
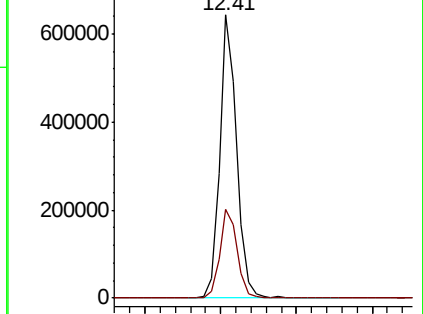
112 100

114 31.3 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.583 ug/l

RT: 12.53 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

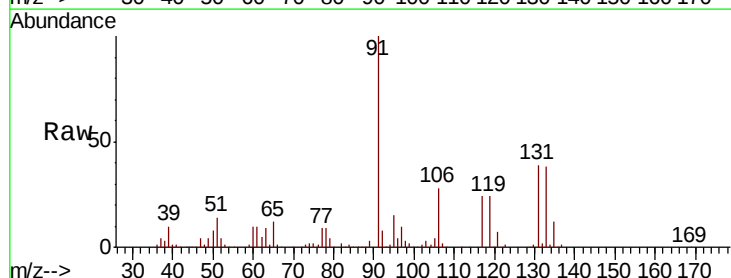
Tgt Ion:131 Resp: 481924

Ion Ratio Lower Upper

131 100

133 98.5 50.1 150.4

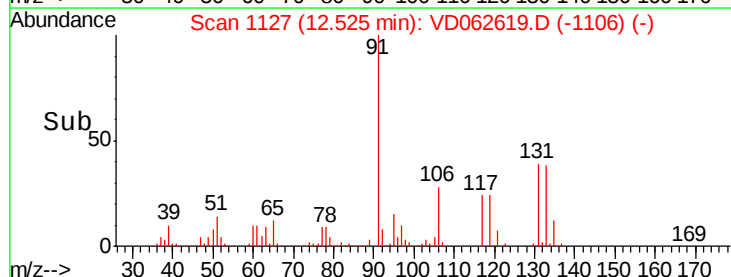
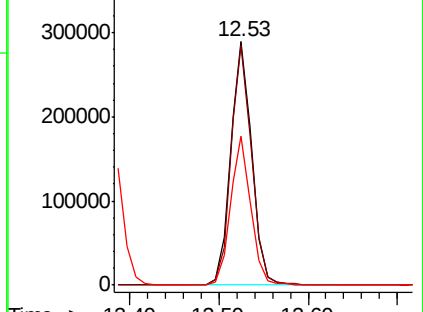
119 61.1 30.1 90.3

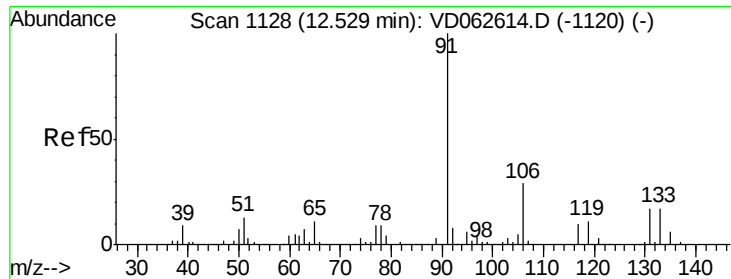


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

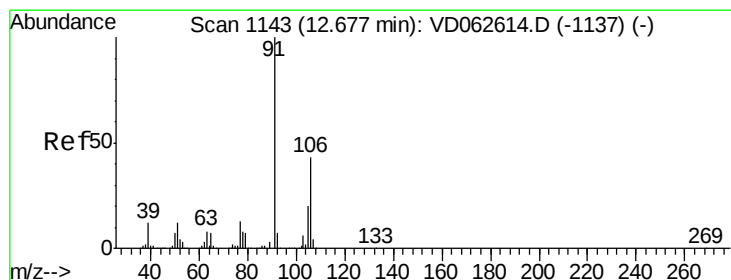
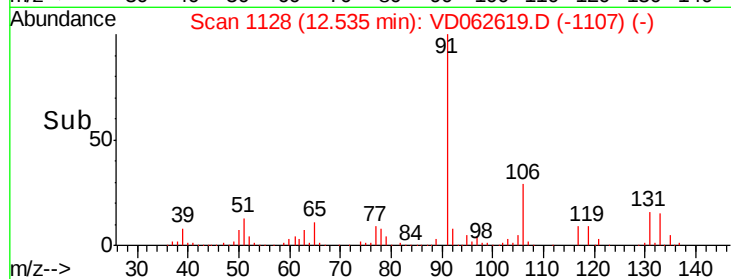
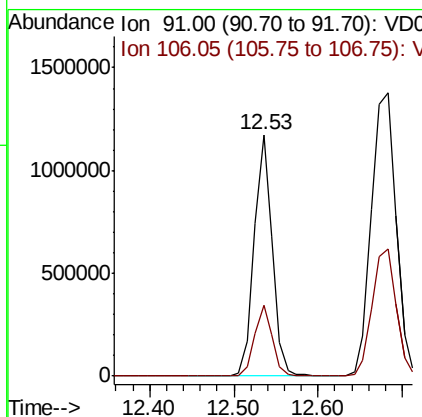
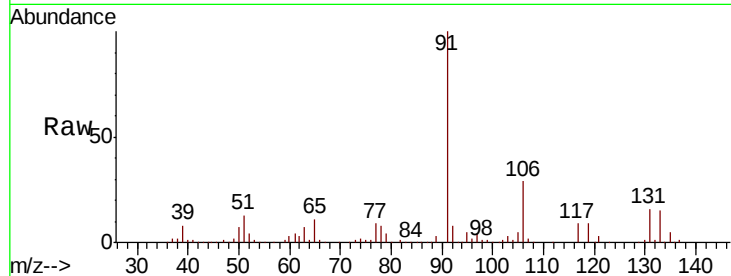




#67
Ethyl Benzene
Concen: 48.423 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

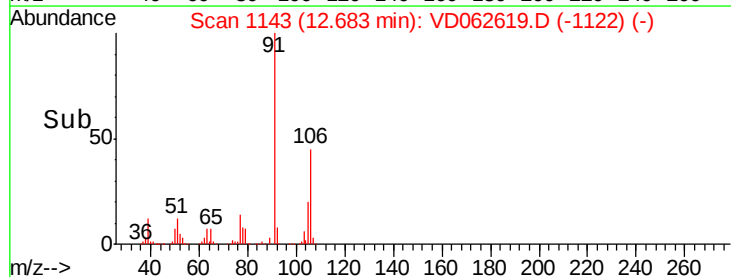
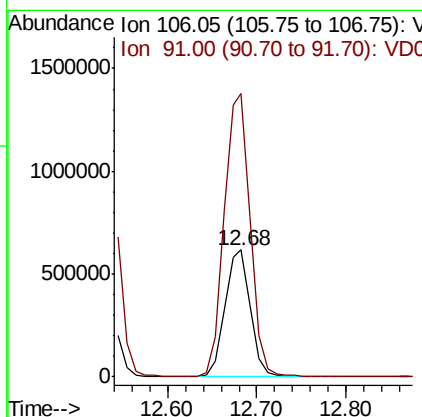
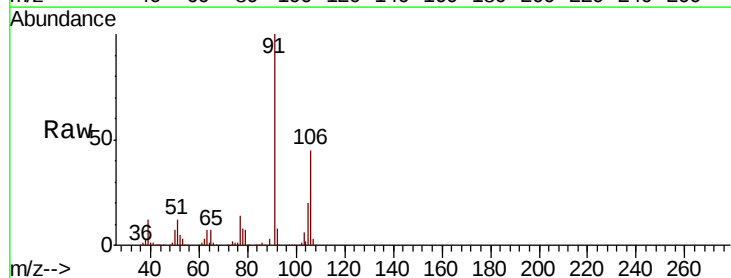
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

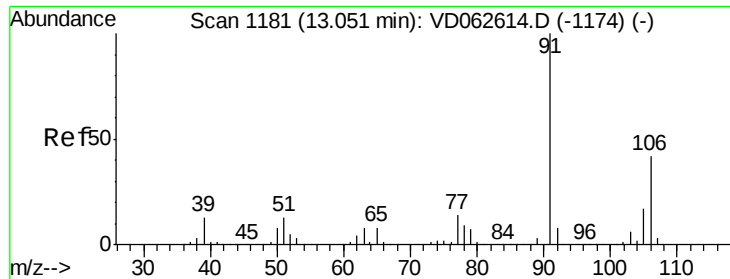
Tot Ion: 91 Resp: 1769614
Ion Ratio Lower Upper
91 100
106 29.1 23.0 34.4



#68
m/p-Xylenes
Concen: 96.676 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 106 Resp: 1232366
Ion Ratio Lower Upper
106 100
91 223.2 184.1 276.1

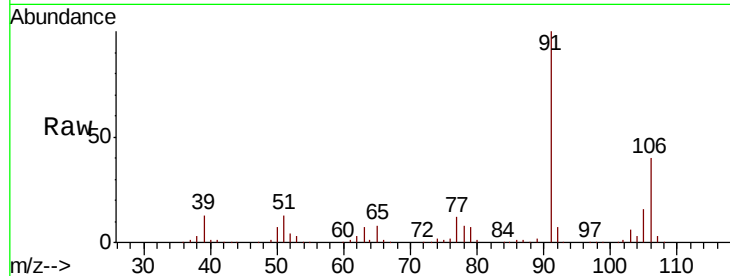




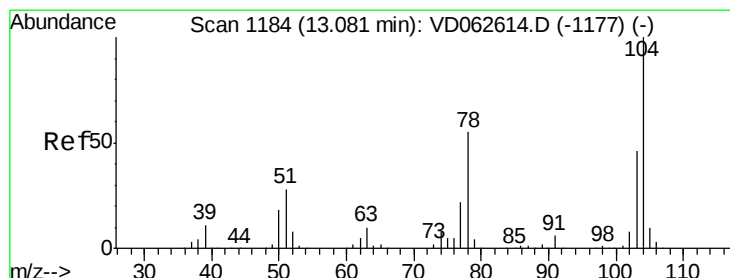
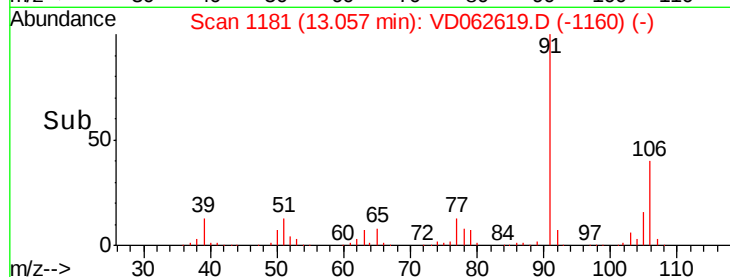
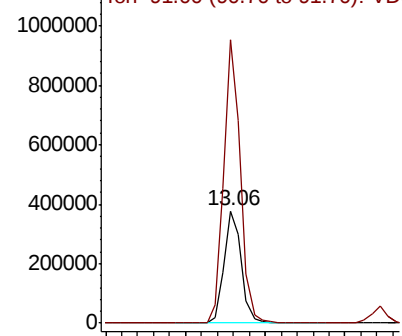
#69
o-Xylene
Concen: 46.417 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 570104
Ion Ratio Lower Upper
106 100
91 251.8 118.8 356.5

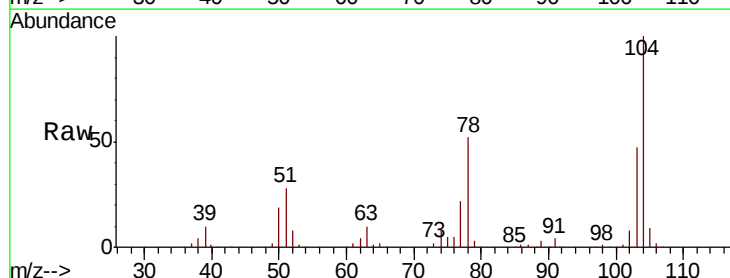


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

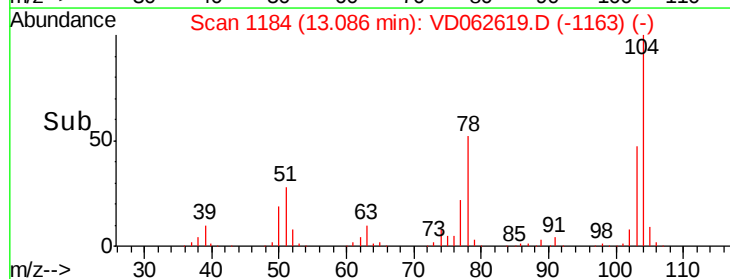
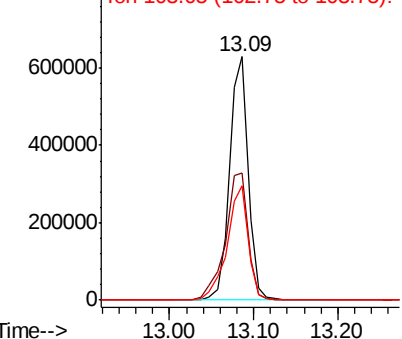


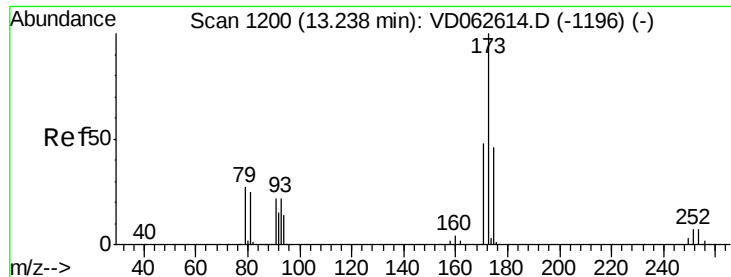
#70
Styrene
Concen: 46.794 ug/l
RT: 13.09 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion:104 Resp: 965530
Ion Ratio Lower Upper
104 100
78 52.1 43.8 65.8
103 47.1 36.6 54.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 50.066 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

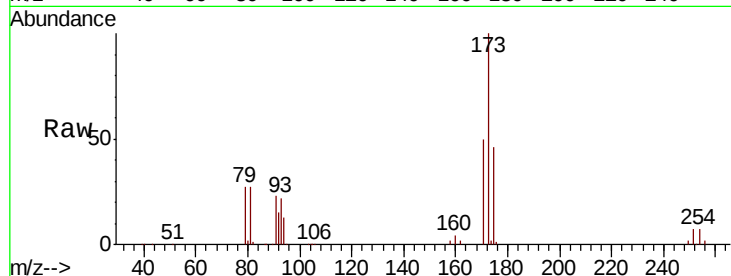
Tot Ion:173 Resp: 336096

Ion Ratio Lower Upper

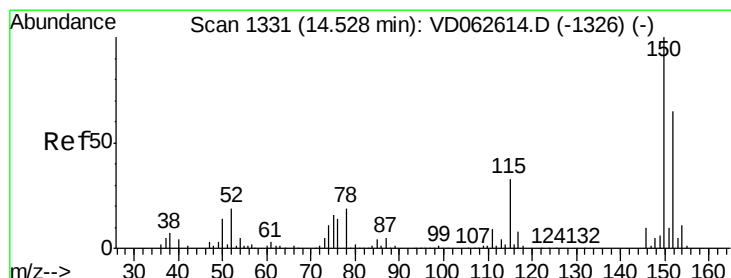
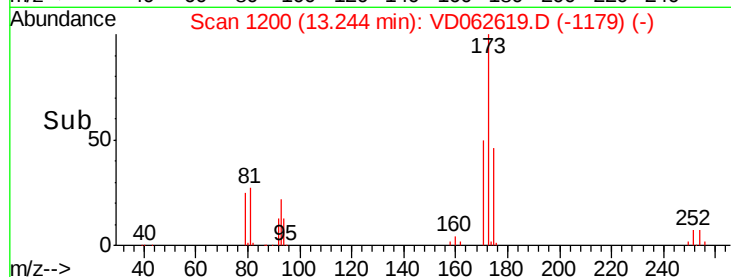
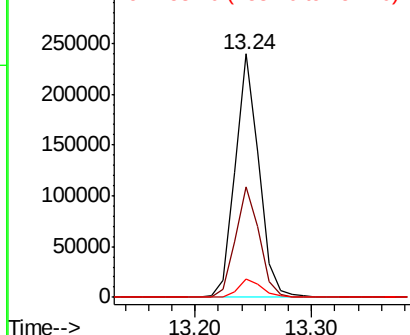
173 100

175 45.6 23.2 69.5

254 7.3 5.9 8.9



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# 1330

Delta R.T. -0.00 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

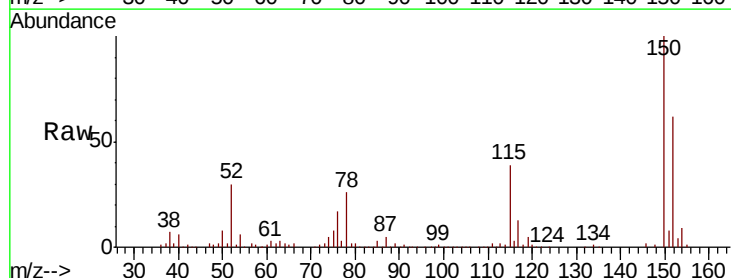
Tgt Ion:152 Resp: 500935

Ion Ratio Lower Upper

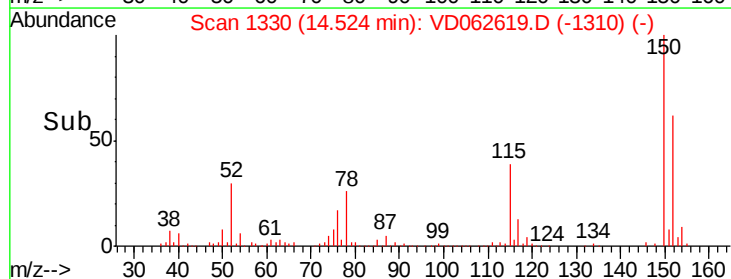
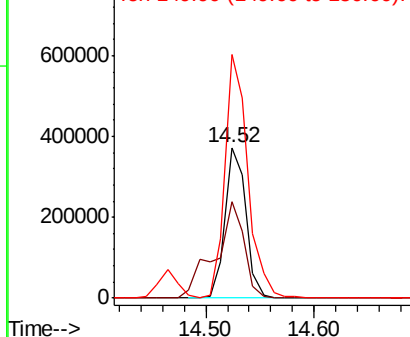
152 100

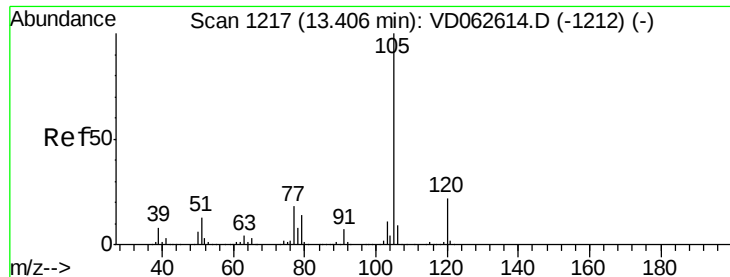
115 64.0 27.1 81.3

150 162.1 0.0 315.0



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: 49.602 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

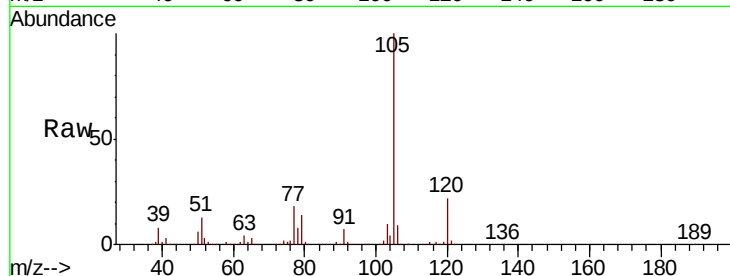
VSTDCCC050

Tot Ion:105 Resp: 1727696

Ion Ratio Lower Upper

105 100

120 22.4 11.2 33.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

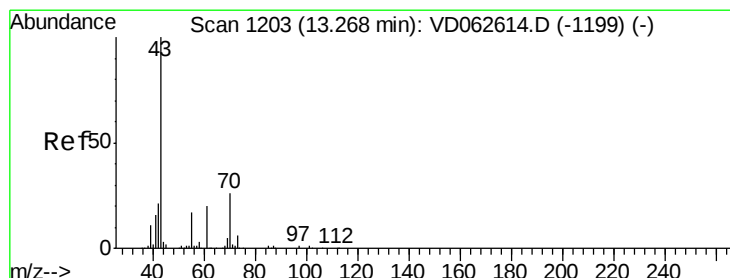
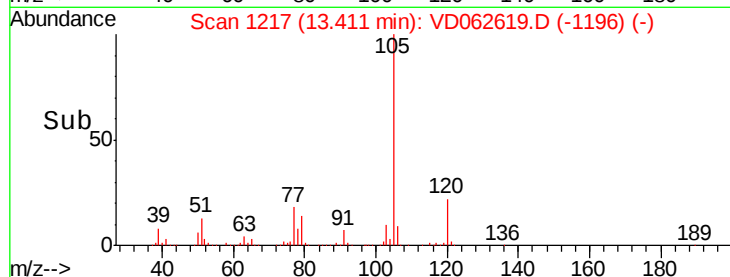
13.41

1000000

500000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 53.139 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Tgt Ion: 43 Resp: 477927

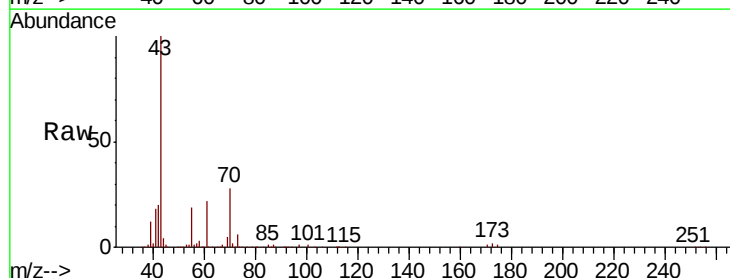
Ion Ratio Lower Upper

43 100

70 28.3 20.5 30.7

55 18.6 13.8 20.8

61 22.0 15.9 23.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

500000

400000

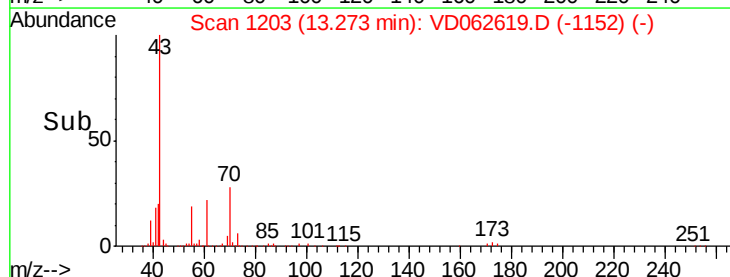
300000

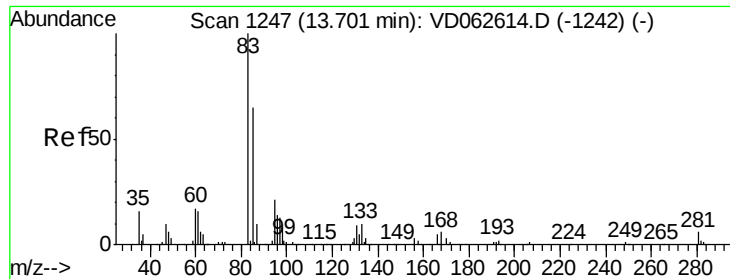
200000

100000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 52.142 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

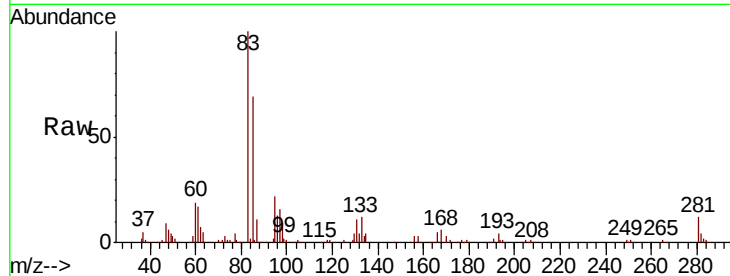
Tot Ion: 83 Resp: 304452

Ion Ratio Lower Upper

83 100

131 11.1 4.7 14.0

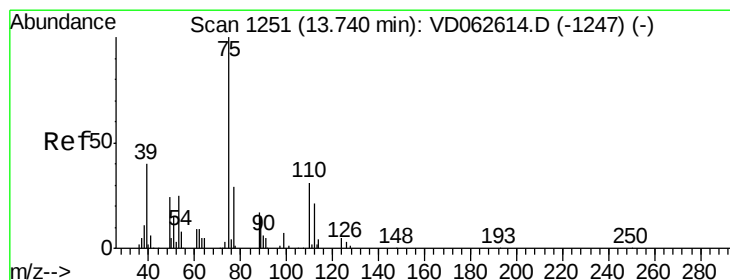
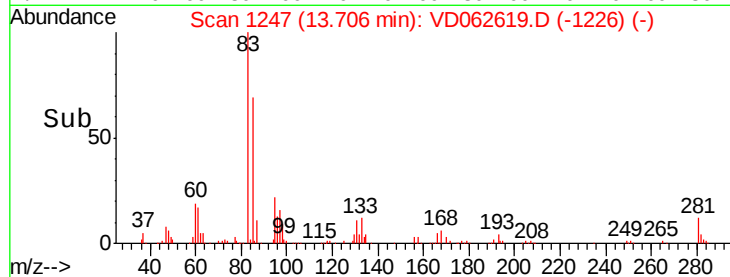
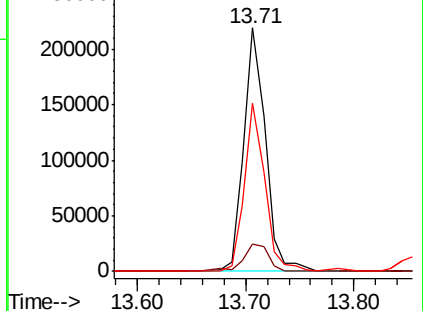
85 68.8 32.3 96.9



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: 54.176 ug/l

RT: 13.75 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062619.D

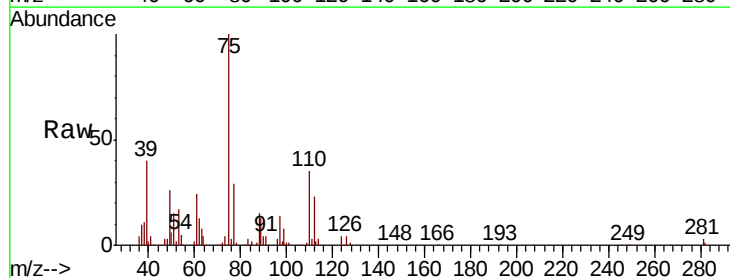
Acq: 6 Jun 2019 11:02

Tgt Ion: 75 Resp: 354011

Ion Ratio Lower Upper

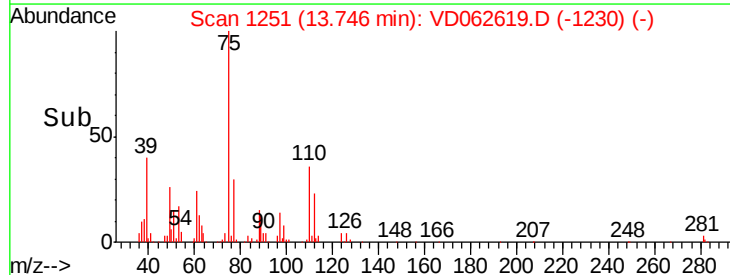
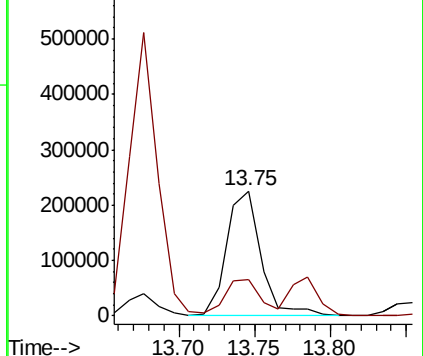
75 100

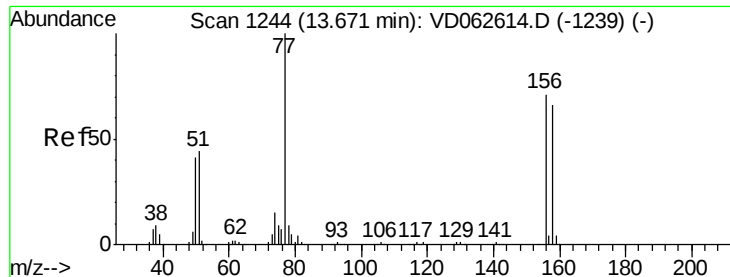
77 29.4 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.259 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

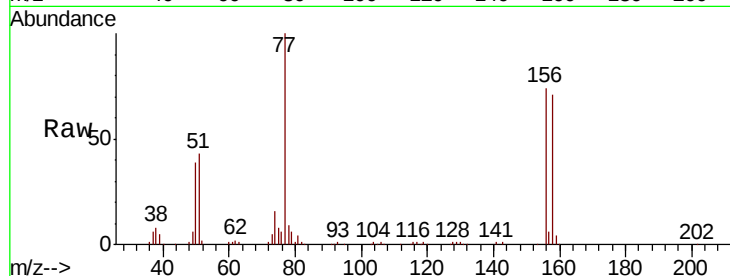
Tot Ion:156 Resp: 515995

Ion Ratio Lower Upper

156 100

77 135.4 70.5 211.5

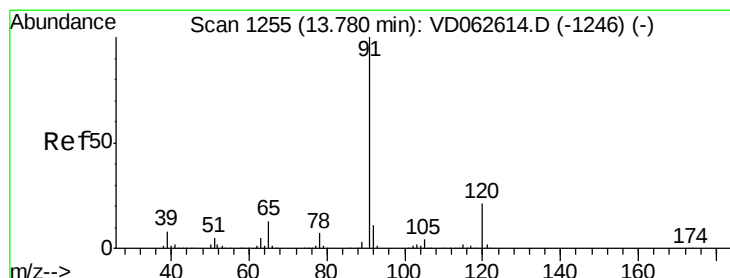
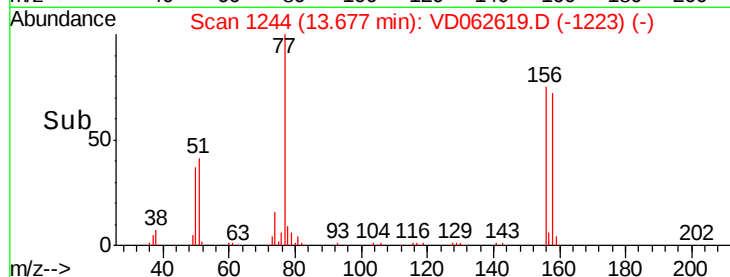
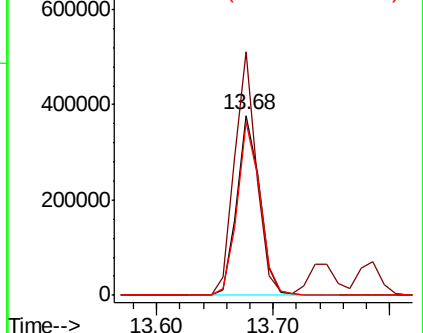
158 96.3 46.9 140.6



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: 52.154 ug/l

RT: 13.79 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062619.D

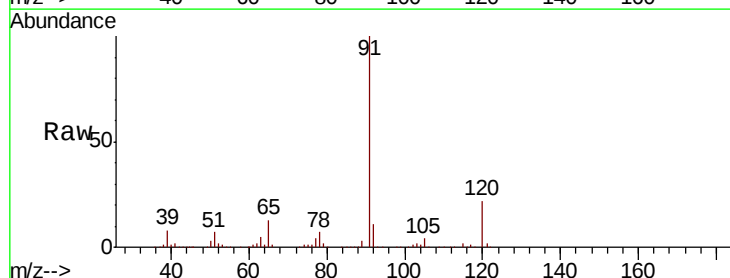
Acq: 6 Jun 2019 11:02

Tgt Ion: 91 Resp: 2106785

Ion Ratio Lower Upper

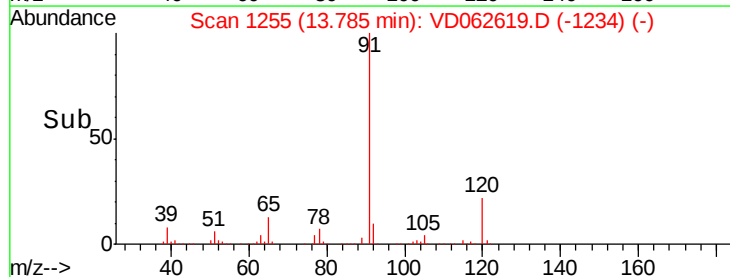
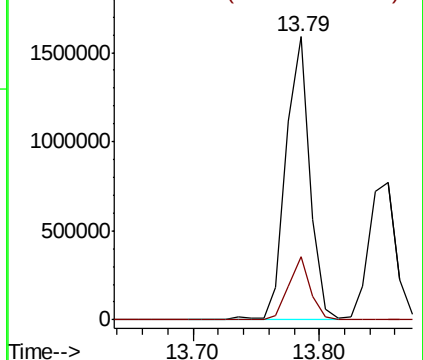
91 100

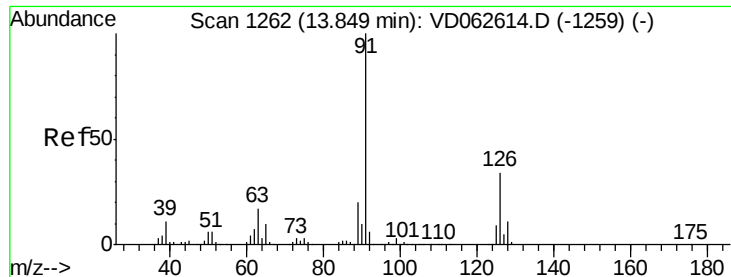
120 22.4 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

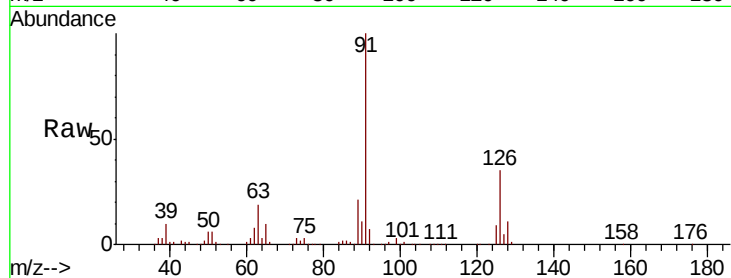




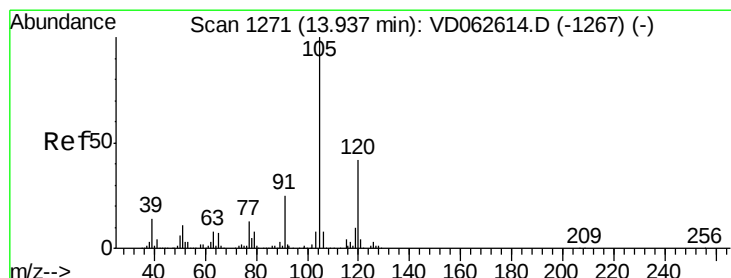
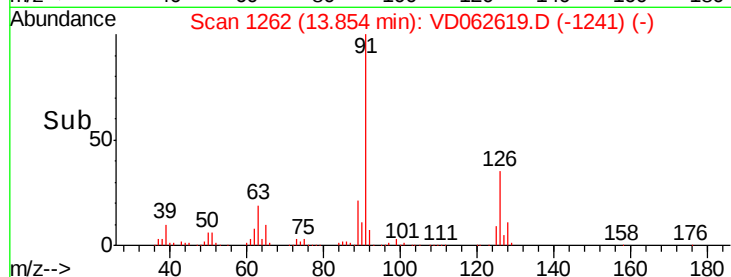
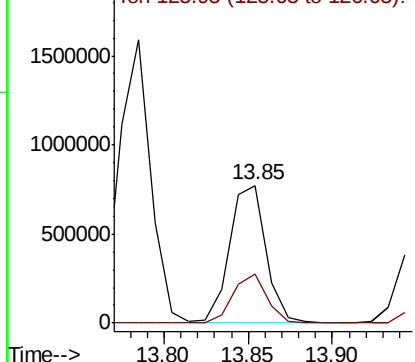
#79
 2-Chlorotoluene
 Concen: 47.147 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1154637
 Ion Ratio Lower Upper
 91 100
 126 35.3 16.7 50.1

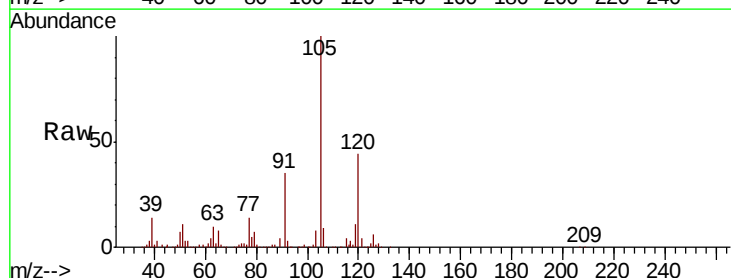


Abundance Ion 91.00 (90.70 to 91.70): VD062619.D (-1241) (-)
 Ion 125.95 (125.65 to 126.65): VD062619.D (-1241) (-)

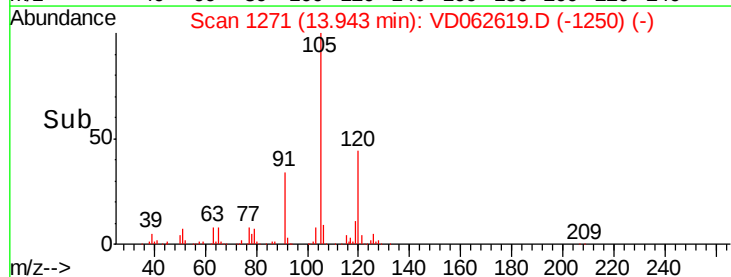
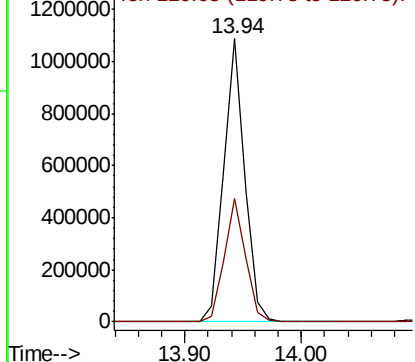


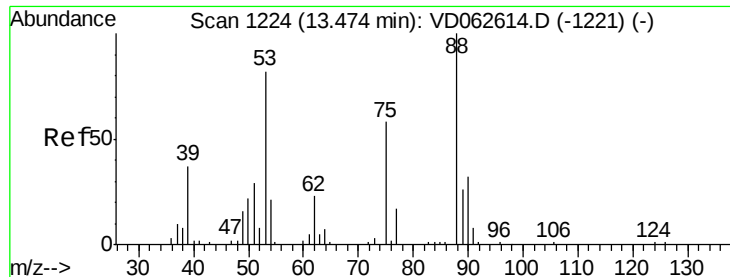
#80
 1,3,5-Trimethylbenzene
 Concen: 45.433 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion:105 Resp: 1361945
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.1 63.4



Abundance Ion 105.05 (104.75 to 105.75): VD062619.D (-1250) (-)
 Ion 120.05 (119.75 to 120.75): VD062619.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.480 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD062619.D

Acq: 6 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

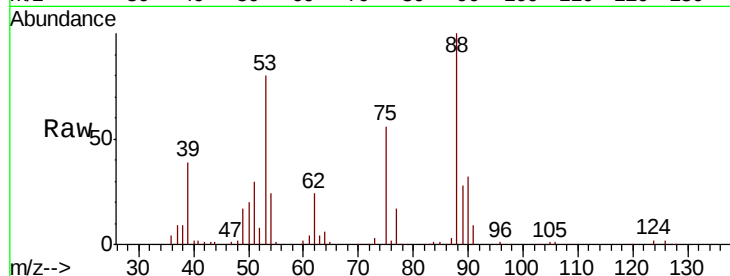
Tot Ion: 75 Resp: 91508

Ion Ratio Lower Upper

75 100

53 142.7 113.2 169.8

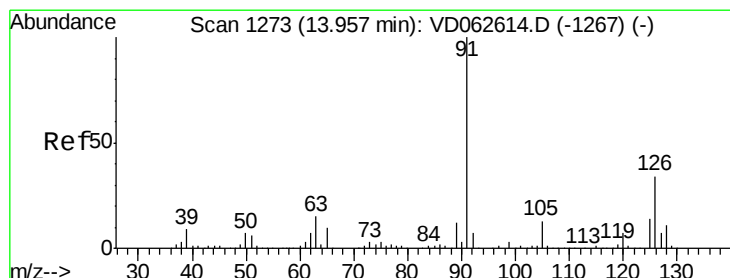
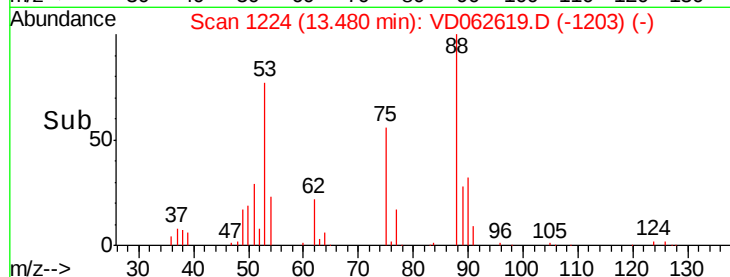
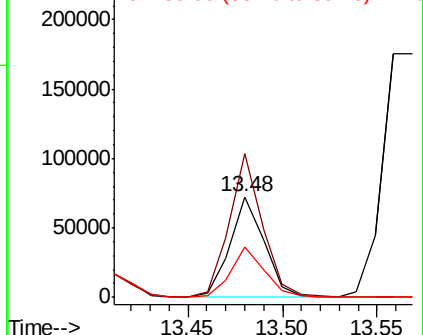
89 49.4 36.9 55.3



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: 48.583 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062619.D

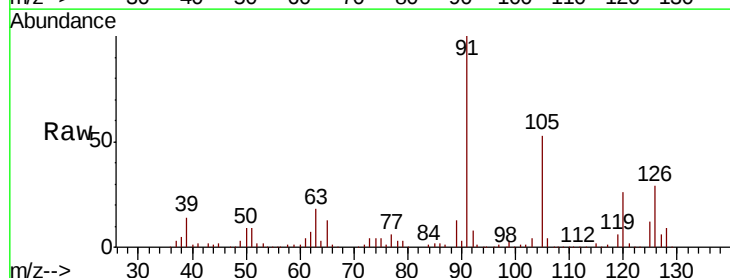
Acq: 6 Jun 2019 11:02

Tgt Ion: 91 Resp: 1400105

Ion Ratio Lower Upper

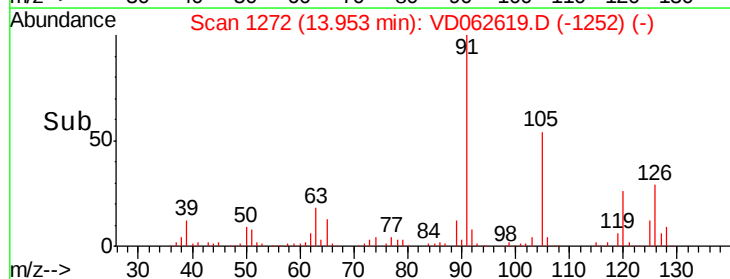
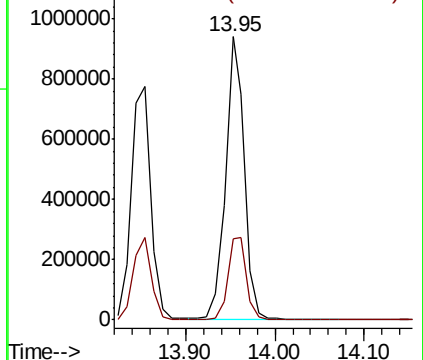
91 100

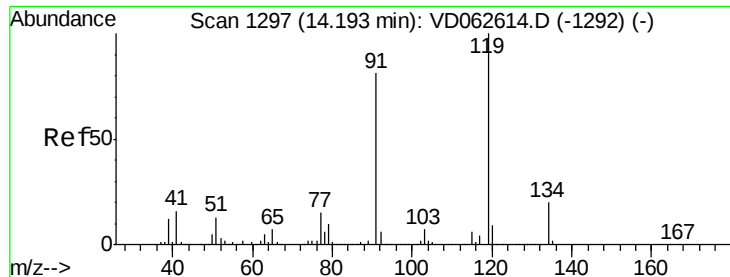
126 28.7 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

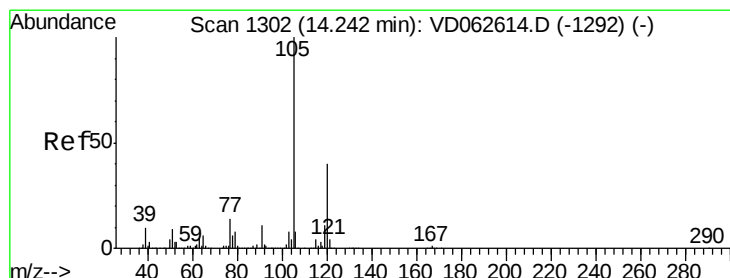
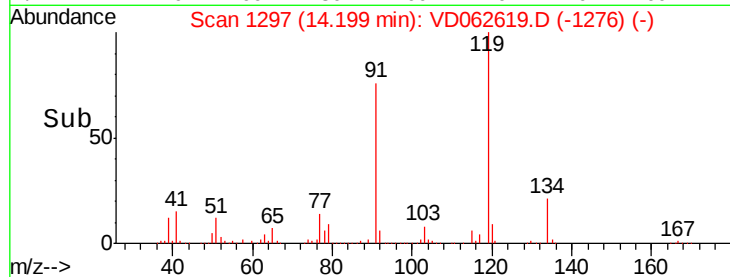
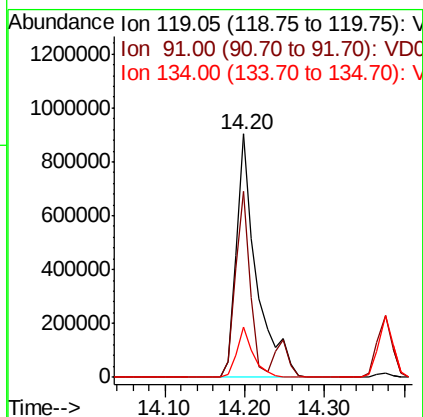
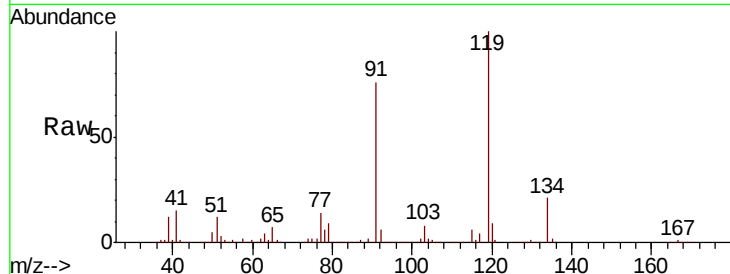




#83
 tert-Butylbenzene
 Concen: 48.491 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

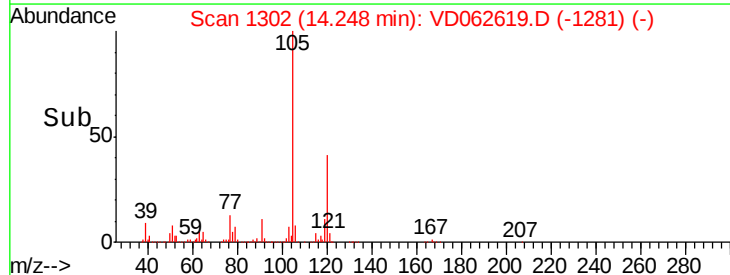
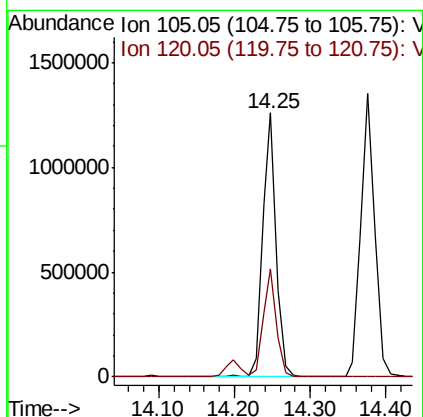
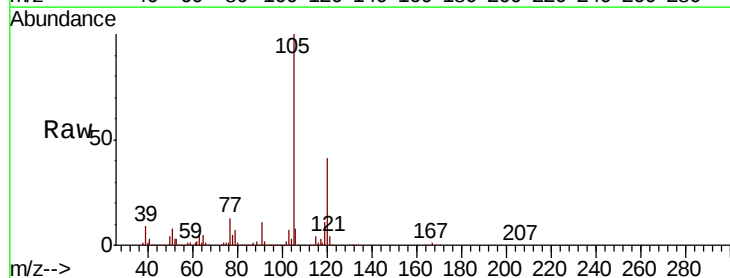
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

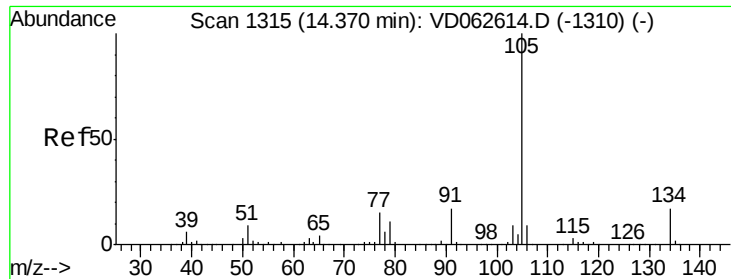
Tot Ion:119 Resp: 1600582
 Ion Ratio Lower Upper
 119 100
 91 76.4 40.8 122.2
 134 20.6 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.560 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion:105 Resp: 1582012
 Ion Ratio Lower Upper
 105 100
 120 41.2 19.9 59.7

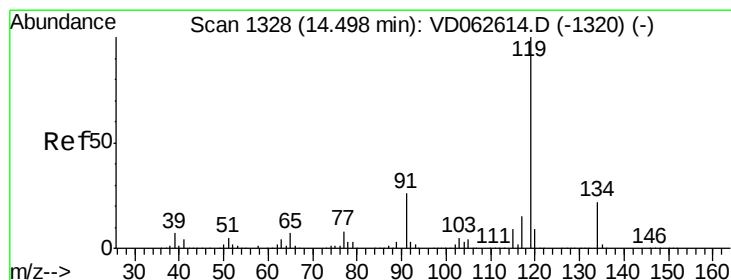
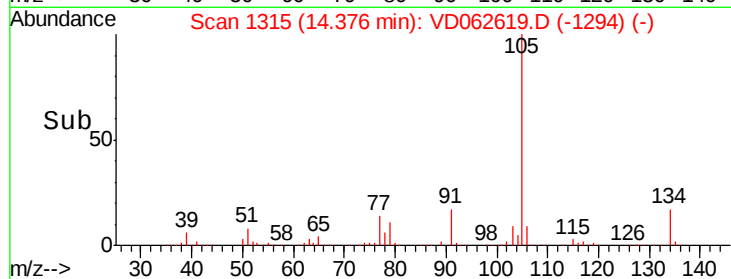
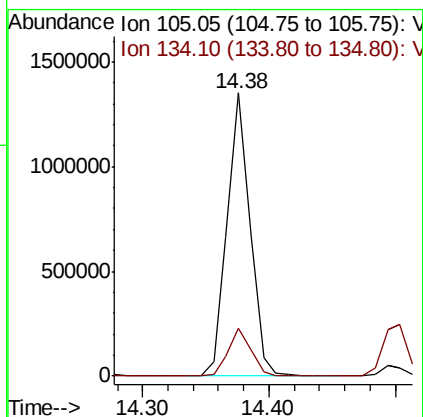
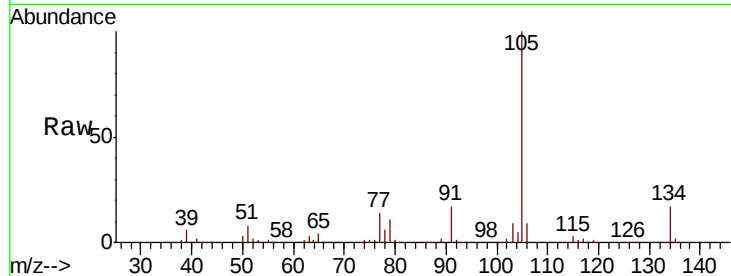




#85
 sec-Butylbenzene
 Concen: 49.898 ug/l
 RT: 14.38 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

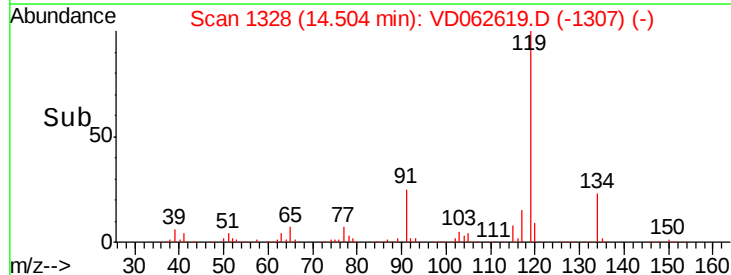
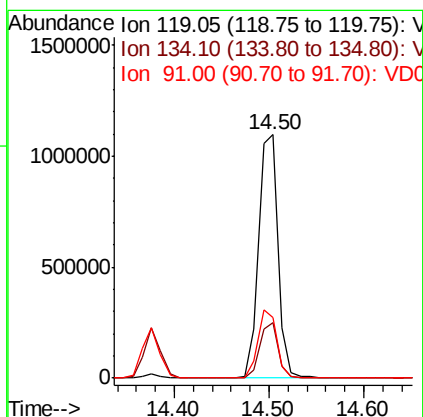
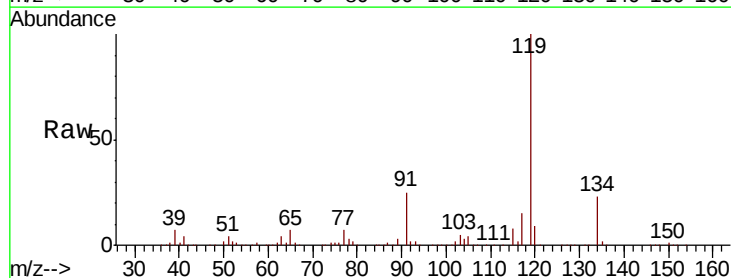
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

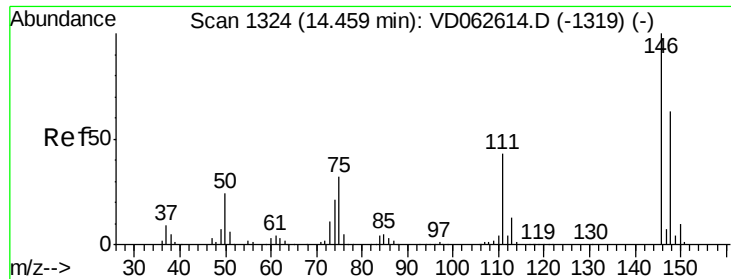
Tot Ion:105 Resp: 1697075
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 47.977 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion:119 Resp: 1568767
 Ion Ratio Lower Upper
 119 100
 134 22.8 11.2 33.5
 91 24.8 13.3 39.8

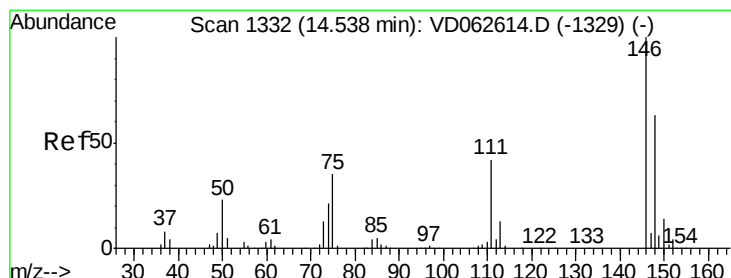
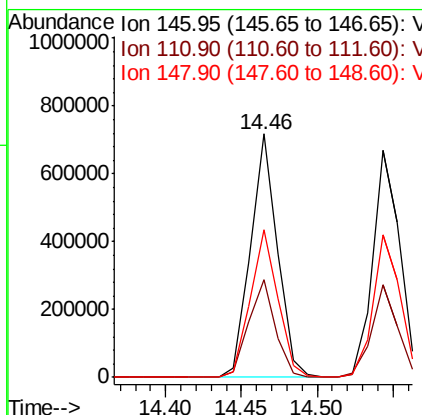
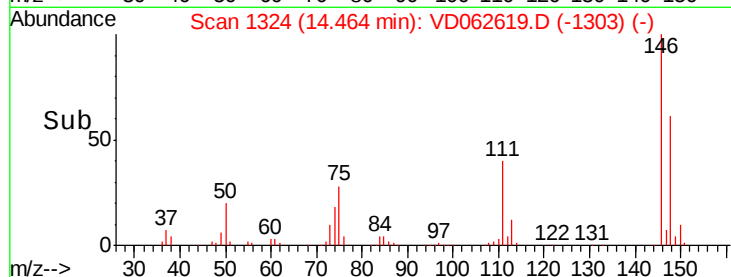
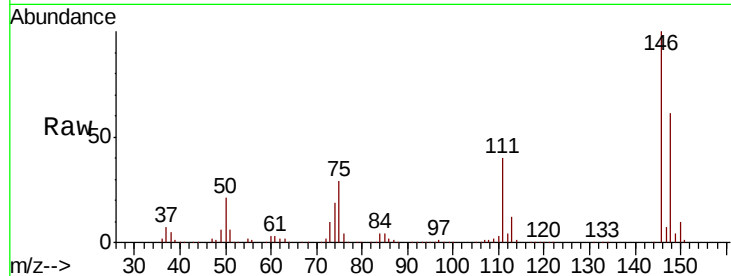




#87
 1,3-Dichlorobenzene
 Concen: 54.780 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

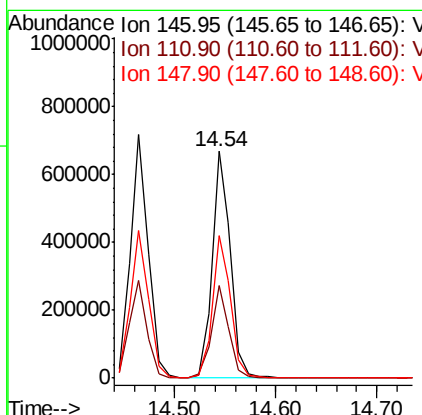
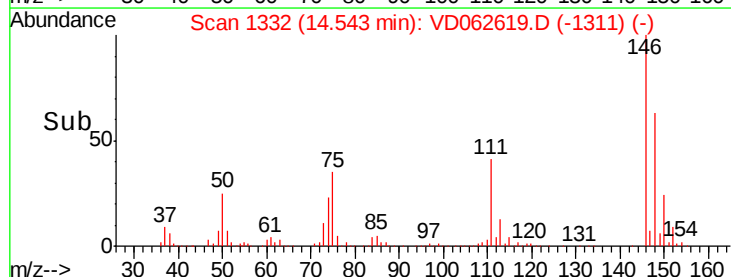
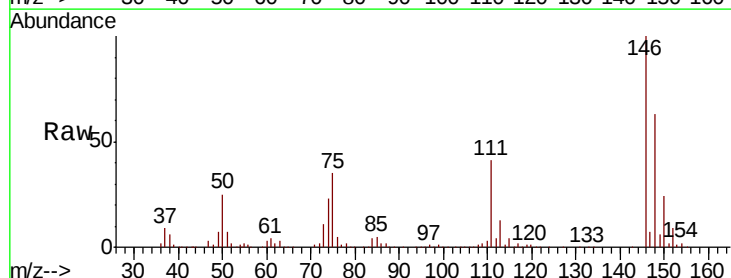
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

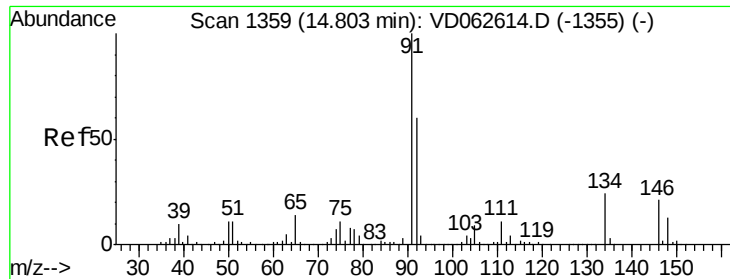
Tot Ion:146 Resp: 890750
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.6 64.6
 148 60.6 31.3 93.8



#88
 1,4-Dichlorobenzene
 Concen: 51.301 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion:146 Resp: 844825
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.9 62.8
 148 62.9 31.5 94.5

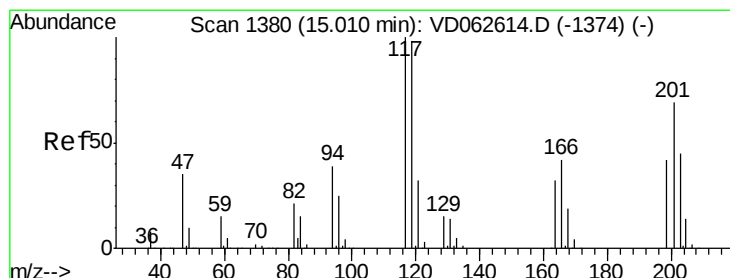
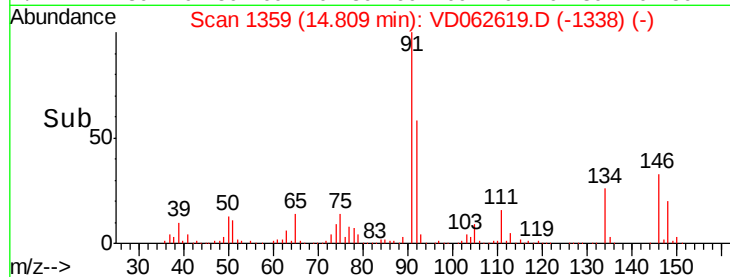
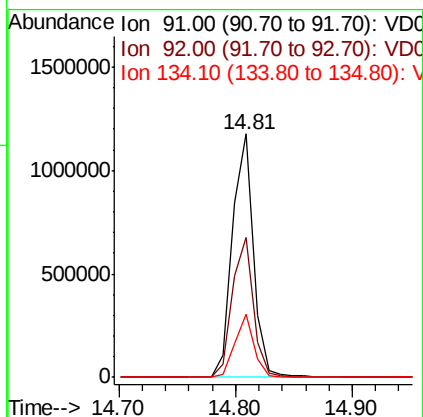
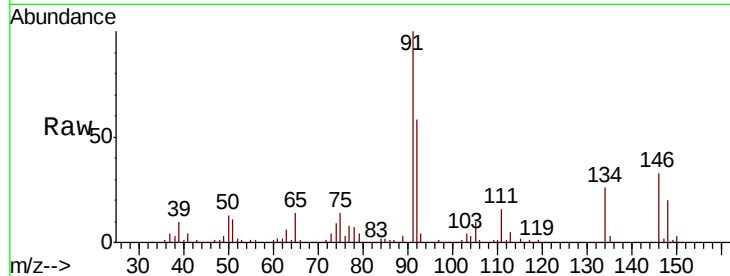




#89
n-Butylbenzene
Concen: 48.217 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

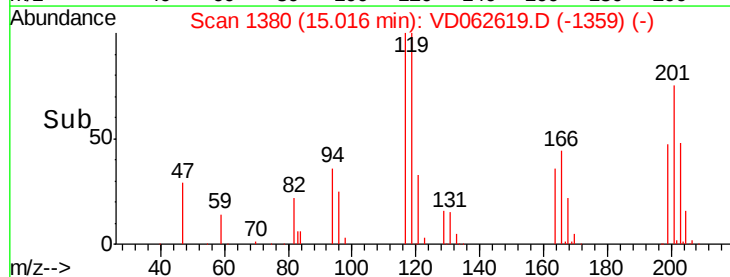
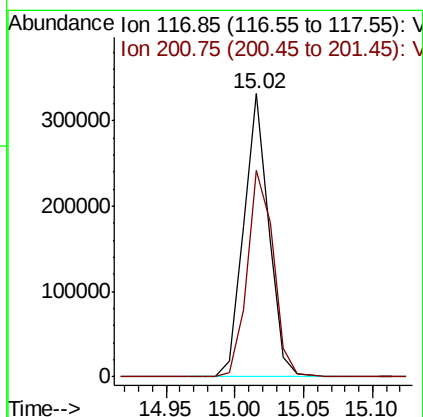
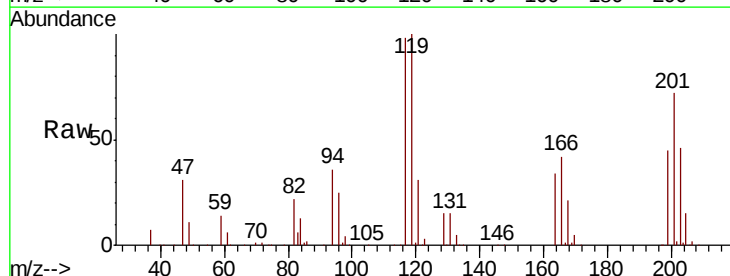
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

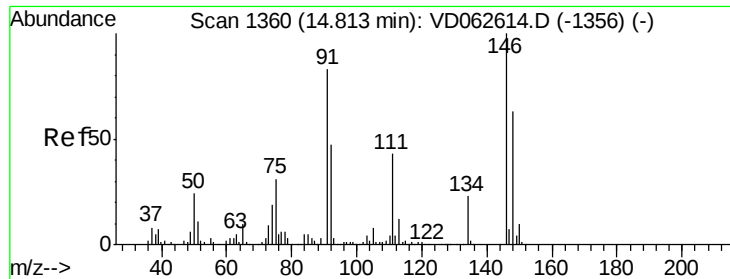
Tot Ion: 91 Resp: 1465997
Ion Ratio Lower Upper
91 100
92 57.7 29.9 89.7
134 25.8 12.1 36.3



#90
Hexachloroethane
Concen: 49.254 ug/l
RT: 15.02 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion: 117 Resp: 423884
Ion Ratio Lower Upper
117 100
201 72.8 34.4 103.3

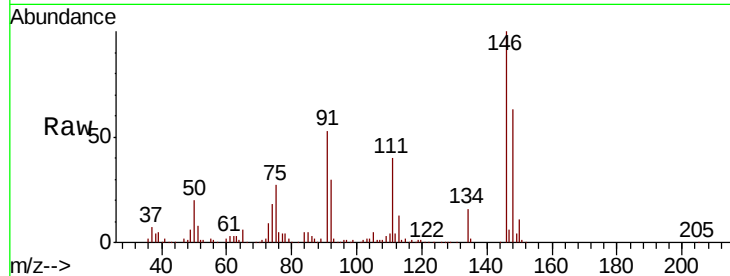




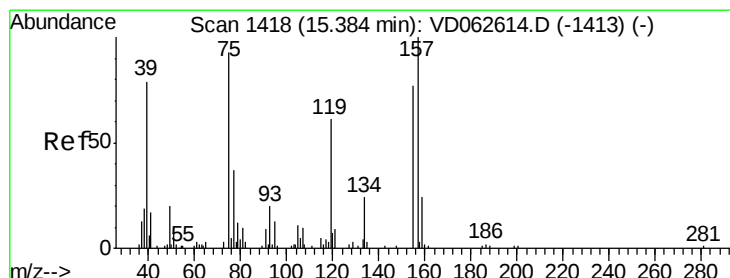
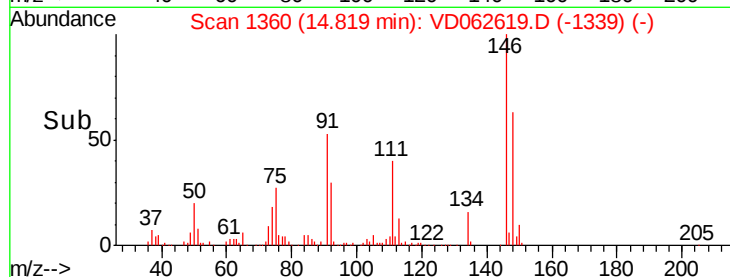
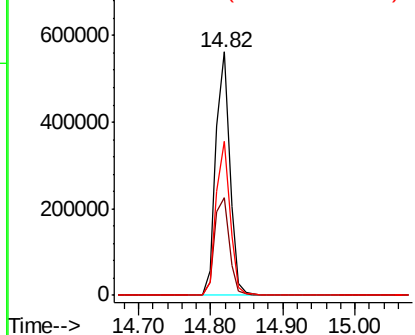
#91
 1,2-Dichlorobenzene
 Concen: 49.629 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 745144
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.3 64.0
 148 63.1 31.4 94.3

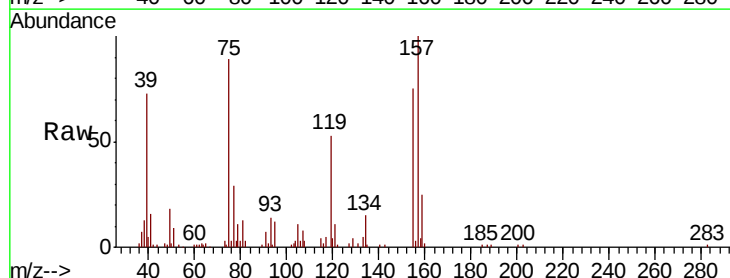


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

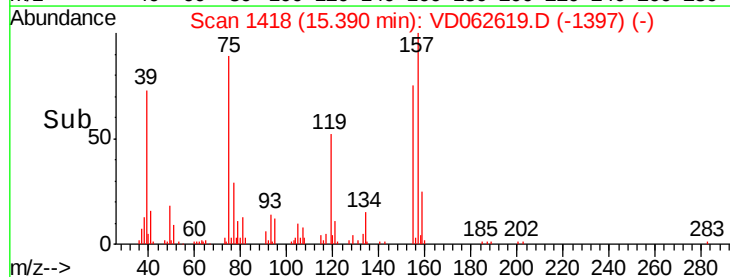
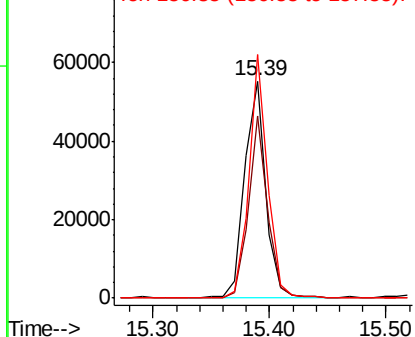


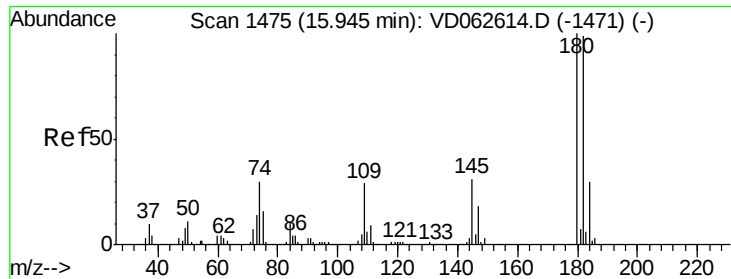
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.855 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion: 75 Resp: 69102
 Ion Ratio Lower Upper
 75 100
 155 83.7 41.6 124.8
 157 112.1 53.8 161.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

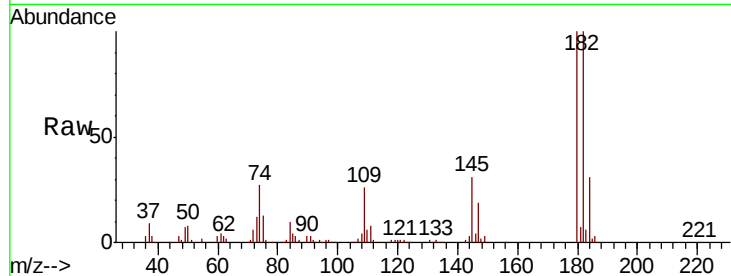




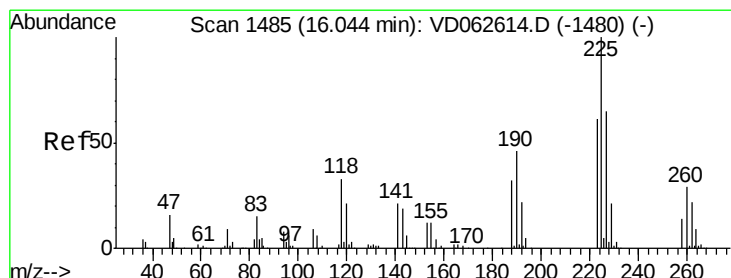
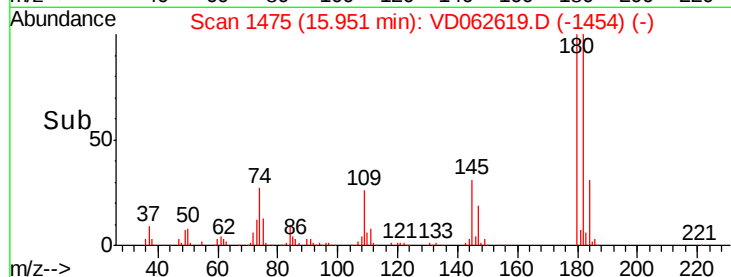
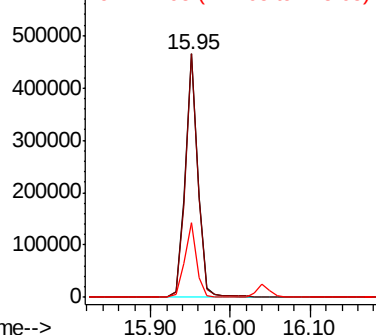
#93
 1,2,4-Trichlorobenzene
 Concen: 48.788 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 526332
 Ion Ratio Lower Upper
 180 100
 182 99.9 49.3 147.8
 145 30.6 15.7 47.1

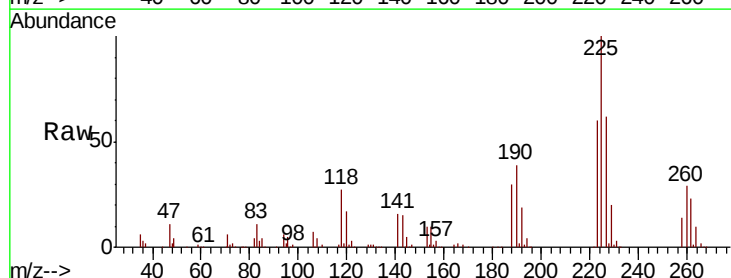


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

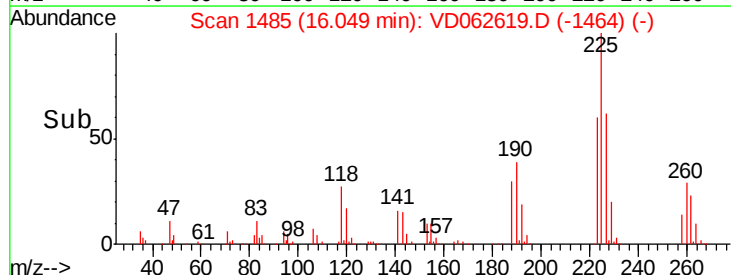
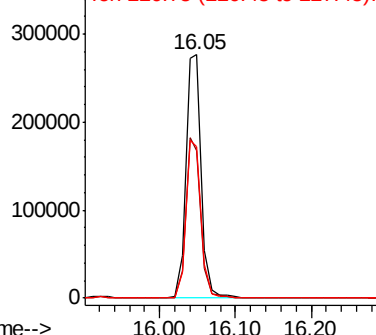


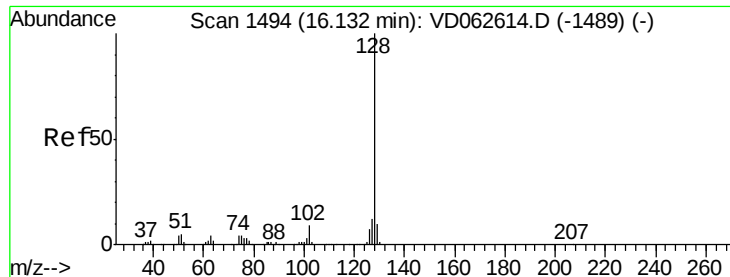
#94
 Hexachlorobutadiene
 Concen: 49.428 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062619.D
 Acq: 6 Jun 2019 11:02

Tgt Ion:225 Resp: 399971
 Ion Ratio Lower Upper
 225 100
 223 60.4 30.3 91.0
 227 62.4 32.4 97.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

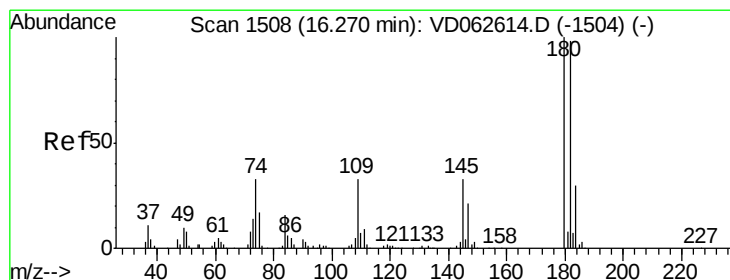
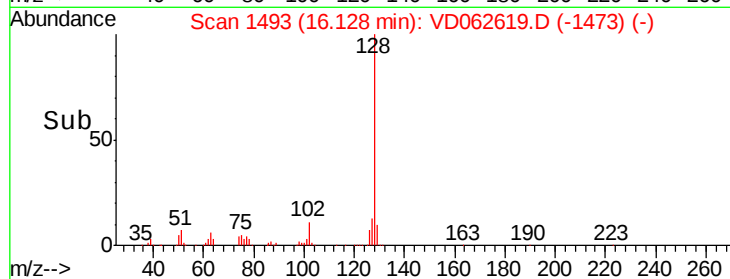
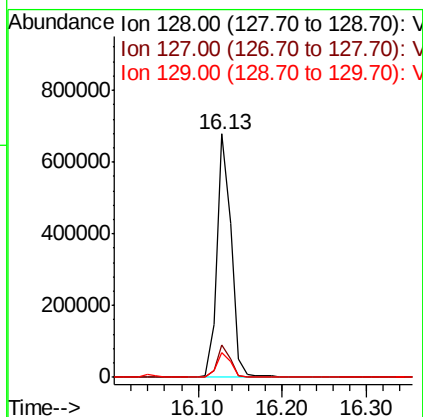
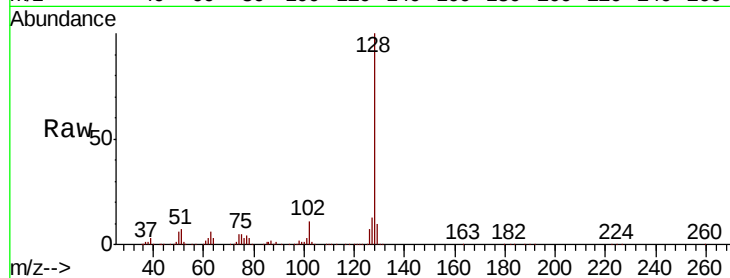




#95
Naphthalene
Concen: 51.539 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 796196
Ion Ratio Lower Upper
128 100
127 13.2 9.4 14.2
129 10.1 8.0 12.0



#96
1,2,3-Trichlorobenzene
Concen: 48.022 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD062619.D
Acq: 6 Jun 2019 11:02

Tgt Ion:180 Resp: 396157
Ion Ratio Lower Upper
180 100
182 100.4 49.1 147.3
145 31.7 16.6 49.7

