

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062613.D
 Acq On : 5 Jun 2019 15:13
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 06 05:29:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:23:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	812502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1060782	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	940232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	507286	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	219026	19.65	ug/l	0.00
Spiked Amount			Recovery	=	39.30%	
35) Dibromofluoromethane	6.93	113	216040	20.04	ug/l	0.00
Spiked Amount			Recovery	=	40.08%	
50) Toluene-d8	10.41	98	472424	20.34	ug/l	0.00
Spiked Amount			Recovery	=	40.68%	
62) 4-Bromofluorobenzene	13.56	95	220993	20.18	ug/l	0.00
Spiked Amount			Recovery	=	40.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	208028	20.699	ug/l	96
3) Chloromethane	1.75	50	160853	20.501	ug/l	96
4) Vinyl Chloride	1.85	62	153133	19.902	ug/l	92
5) Bromomethane	2.16	94	63241	16.734	ug/l #	95
6) Chloroethane	2.26	64	64621	16.641	ug/l	93
7) Trichlorofluoromethane	2.53	101	315587	18.373	ug/l	94
8) Diethyl Ether	2.87	74	40079	17.954	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	190156	19.690	ug/l	96
10) Methyl Iodide	3.31	142	224332	18.149	ug/l	99
11) Tert butyl alcohol	4.10	59	45310	90.790	ug/l #	95
12) 1,1-Dichloroethene	3.13	96	131391	18.565	ug/l	95
13) Acrolein	3.04	56	19323	109.487	ug/l	90
14) Allyl chloride	3.63	41	208932	19.370	ug/l	87
15) Acrylonitrile	4.21	53	104706	96.242	ug/l	90
16) Acetone	3.23	43	168957	84.359	ug/l	96
17) Carbon Disulfide	3.38	76	368826	17.883	ug/l	97
18) Methyl Acetate	3.65	43	73539	20.648	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	323363	18.843	ug/l	98
20) Methylene Chloride	3.82	84	142840	18.323	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	146411	18.976	ug/l	97
22) Diisopropyl ether	5.14	45	421846	18.514	ug/l #	99
23) Vinyl Acetate	5.07	43	1285830	92.762	ug/l	100
24) 1,1-Dichloroethane	5.00	63	269966	18.805	ug/l	99
25) 2-Butanone	6.09	43	171670	90.231	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	303906	19.373	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	156745	18.849	ug/l	87
28) Bromochloromethane	6.45	49	93286	17.176	ug/l	89
29) Tetrahydrofuran	6.48	42	78064	88.388	ug/l	96
30) Chloroform	6.67	83	339979	19.041	ug/l	98
31) Cyclohexane	6.97	56	168730	18.385	ug/l #	90
32) 1,1,1-Trichloroethane	6.88	97	352691	19.511	ug/l	98
36) 1,1-Dichloropropene	7.16	75	216458	18.979	ug/l	98
37) Ethyl Acetate	6.20	43	90909	19.752	ug/l #	89
38) Carbon Tetrachloride	7.12	117	327041	18.917	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	189354	19.419	ug/l	95
40) Benzene	7.46	78	442831	19.659	ug/l	97
41) Methacrylonitrile	6.46	41	113161	18.986	ug/l #	97
42) 1,2-Dichloroethane	7.59	62	262433	19.793	ug/l	96
43) Isopropyl Acetate	9.25	43	119741	18.929	ug/l #	97
44) Trichloroethene	8.55	130	176622	19.335	ug/l	96
45) 1,2-Dichloropropane	8.95	63	112968	20.028	ug/l	98
46) Dibromomethane	9.08	93	93185	18.989	ug/l #	87
47) Bromodichloromethane	9.38	83	250571	18.958	ug/l	96
48) Methyl methacrylate	9.13	41	82149	19.095	ug/l	98
49) 1,4-Dioxane	9.10	88	13708	401.493	ug/l	99
51) 4-Methyl-2-Pentanone	10.31	43	389013	94.444	ug/l	98
52) Toluene	10.51	92	286962	19.207	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	212414	19.355	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	223742	20.020	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	98389	19.195	ug/l	91
56) Ethyl methacrylate	11.04	69	105242	18.422	ug/l	93
57) 1,3-Dichloropropane	11.42	76	147762	18.463	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	329277	112.380	ug/l	95
59) 2-Hexanone	11.54	43	291930	93.471	ug/l	98
60) Dibromochloromethane	11.69	129	187291	18.699	ug/l	90
61) 1,2-Dibromoethane	11.81	107	119518	19.037	ug/l	92
64) Tetrachloroethene	11.26	164	149872	17.650	ug/l #	90
65) Chlorobenzene	12.40	112	358191	18.334	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	178172	18.971	ug/l	94
67) Ethyl Benzene	12.53	91	653533	18.507	ug/l	97
68) m/p-Xylenes	12.67	106	441090	35.811	ug/l	99
69) o-Xylene	13.05	106	216049	18.204	ug/l	96
70) Styrene	13.07	104	366483	18.381	ug/l	90
71) Bromoform	13.24	173	120750	18.615	ug/l	97
73) Isopropylbenzene	13.41	105	705364	19.997	ug/l	98
74) N-amyl acetate	13.27	43	172668	18.958	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	110448	18.679	ug/l #	95
76) 1,2,3-Trichloropropane	13.74	75	118468	17.903	ug/l	98
77) Bromobenzene	13.67	156	182240	18.575	ug/l	85
78) n-propylbenzene	13.78	91	777308	19.002	ug/l	99
79) 2-Chlorotoluene	13.84	91	464793	18.741	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	596511	19.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	31383	18.450	ug/l	98
82) 4-Chlorotoluene	13.95	91	545915	18.706	ug/l	93
83) tert-Butylbenzene	14.19	119	606130	18.133	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	567359	18.260	ug/l	97
85) sec-Butylbenzene	14.37	105	658122	19.108	ug/l	99
86) p-Isopropyltoluene	14.49	119	689554	20.824	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	339320	20.607	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	327944	19.665	ug/l	94
89) n-Butylbenzene	14.81	91	608672	19.769	ug/l	96
90) Hexachloroethane	15.01	117	167891	19.264	ug/l	94
91) 1,2-Dichlorobenzene	14.82	146	310292	20.408	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	22412	18.529	ug/l	86

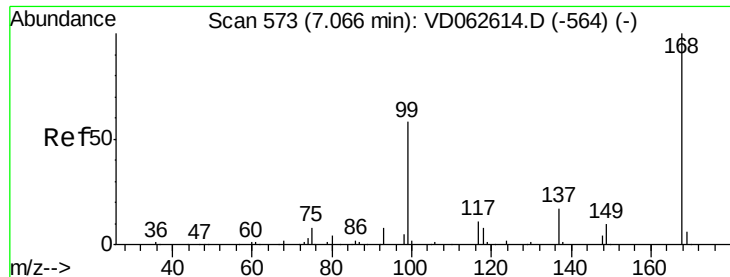
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	210928	19.307	ug/l	95
94) Hexachlorobutadiene	16.05	225	159324	19.443	ug/l	97
95) Naphthalene	16.12	128	295886	18.913	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	162294	19.427	ug/l	99

(#) = 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. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

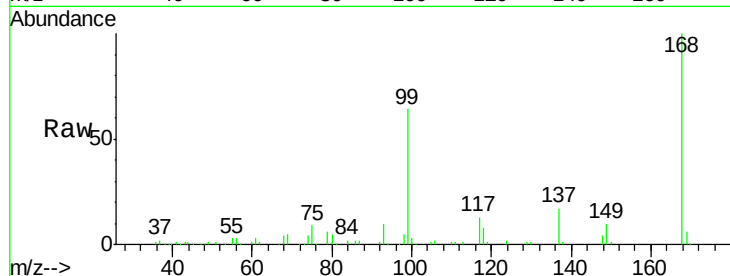
VSTDIC020

Tot Ion:168 Resp: 812502

Ion Ratio Lower Upper

168 100

99 64.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

250000

200000

150000

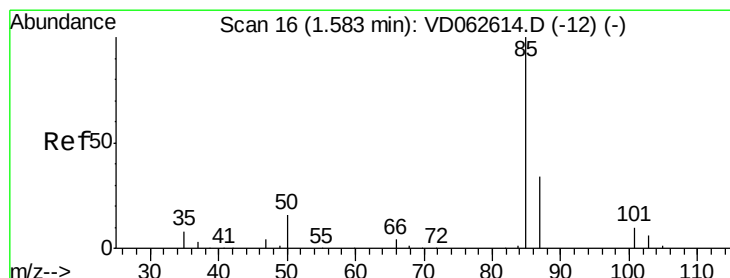
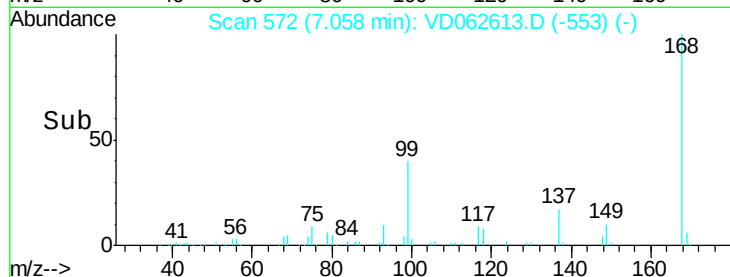
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 20.699 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062613.D

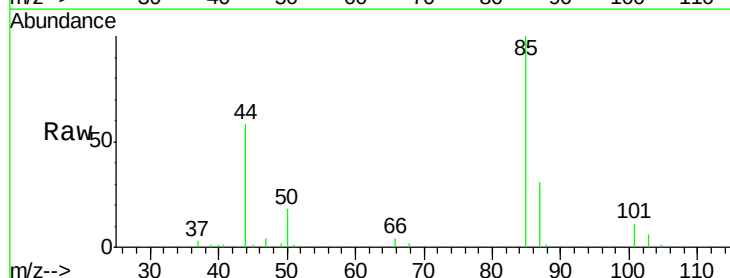
Acq: 5 Jun 2019 15:13

Tgt Ion: 85 Resp: 208028

Ion Ratio Lower Upper

85 100

87 31.2 16.9 50.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

100000

80000

60000

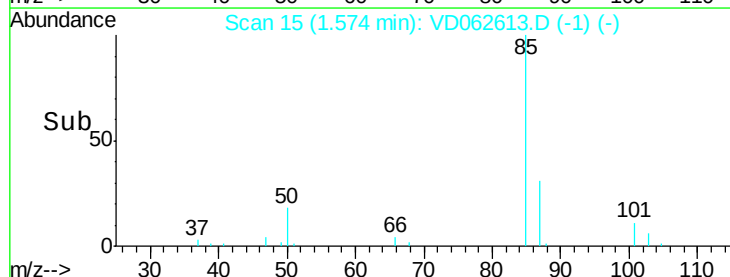
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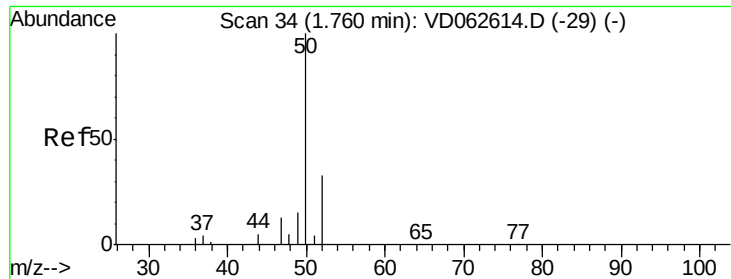
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.501 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

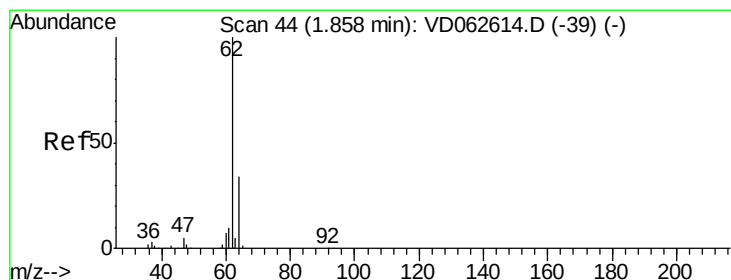
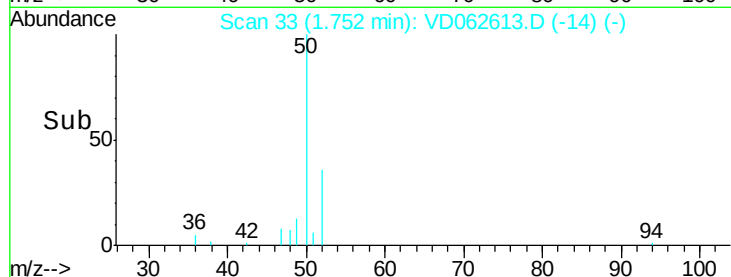
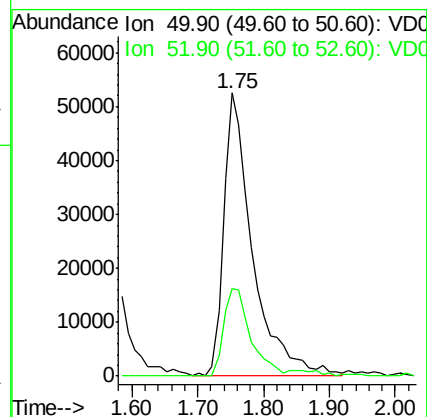
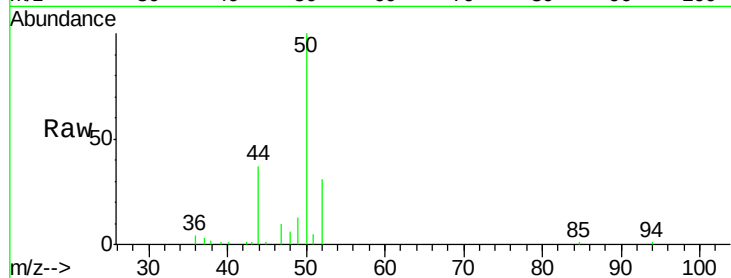
VSTDIC020

Tot Ion: 50 Resp: 160853

Ion Ratio Lower Upper

50 100

52 30.8 26.6 40.0



#4

Vinyl Chloride

Concen: 19.902 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062613.D

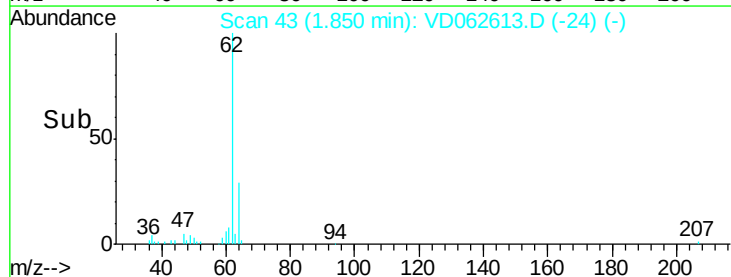
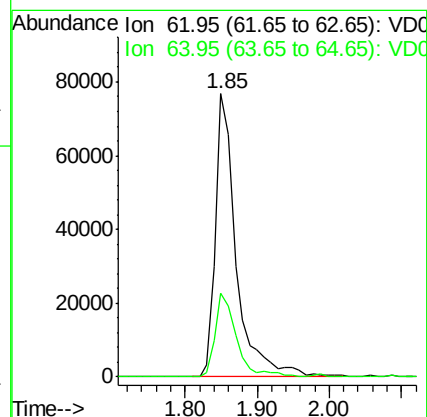
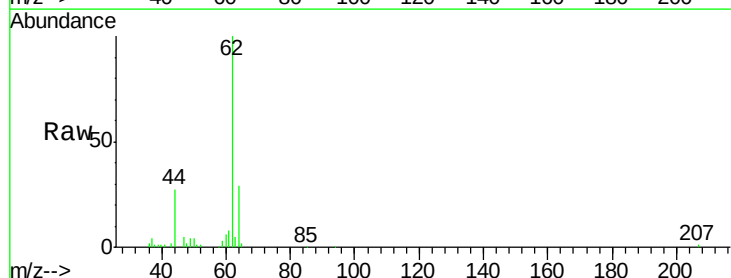
Acq: 5 Jun 2019 15:13

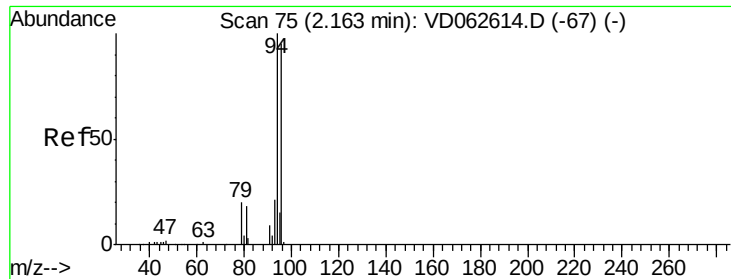
Tgt Ion: 62 Resp: 153133

Ion Ratio Lower Upper

62 100

64 29.4 27.2 40.8





#5

Bromomethane

Concen: 16.734 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

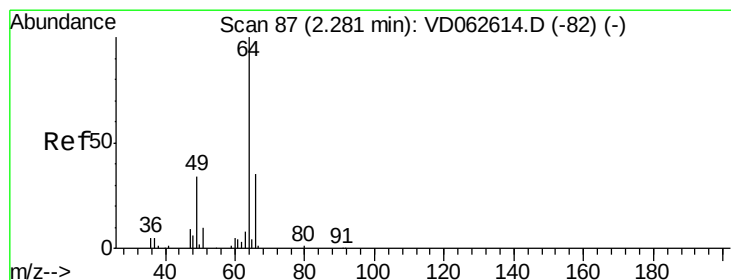
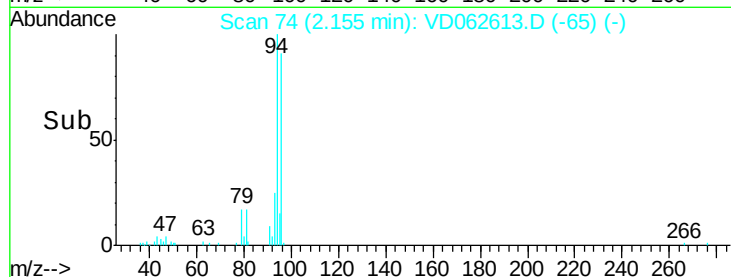
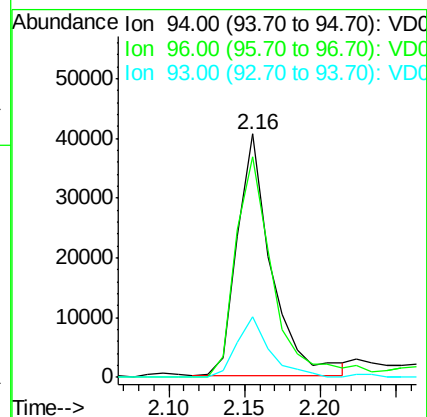
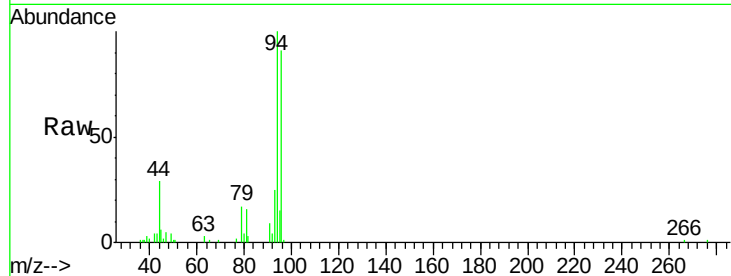
Tot Ion: 94 Resp: 63241

Ion Ratio Lower Upper

94 100

96 90.6 75.8 113.8

93 25.0 16.6 25.0#



#6

Chloroethane

Concen: 16.641 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062613.D

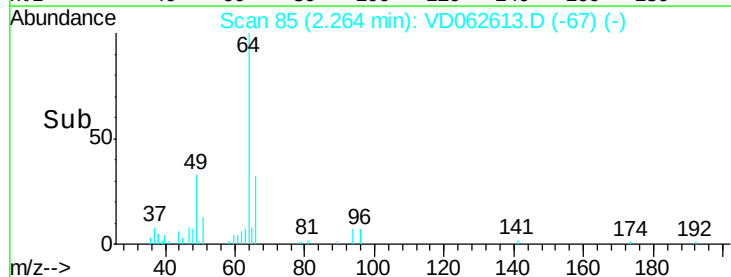
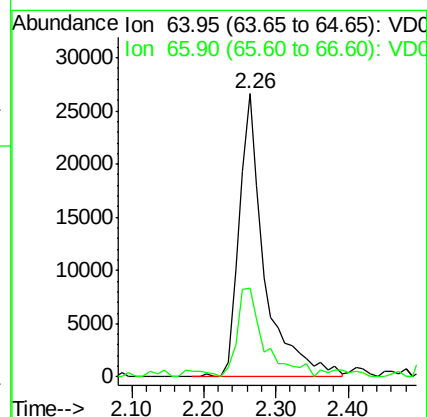
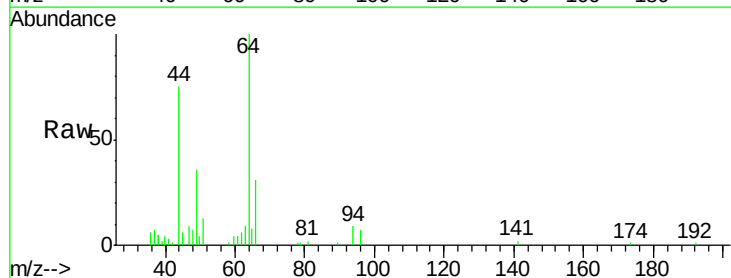
Acq: 5 Jun 2019 15:13

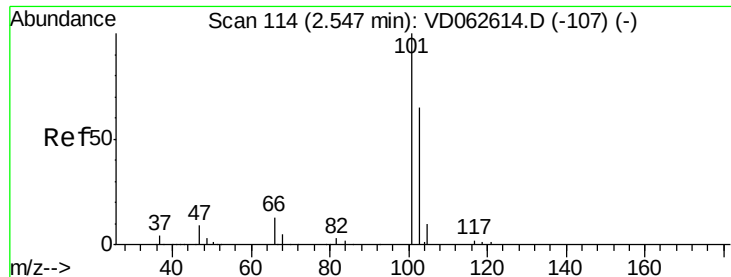
Tgt Ion: 64 Resp: 64621

Ion Ratio Lower Upper

64 100

66 31.4 28.4 42.6



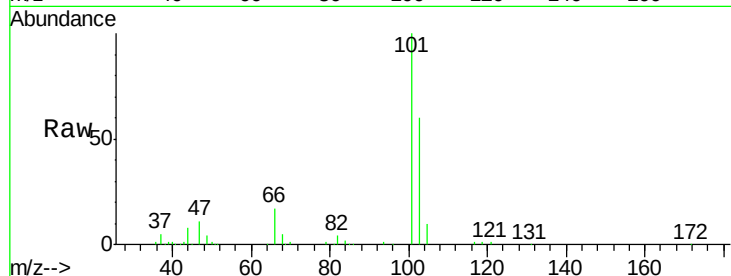


#7

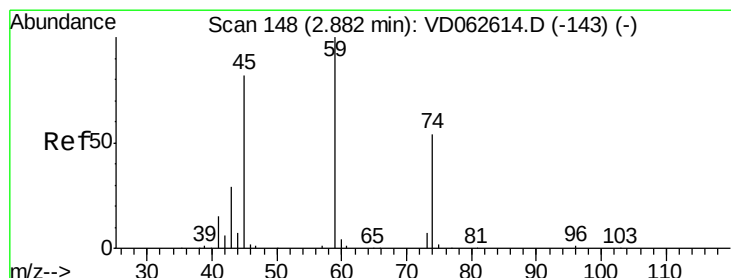
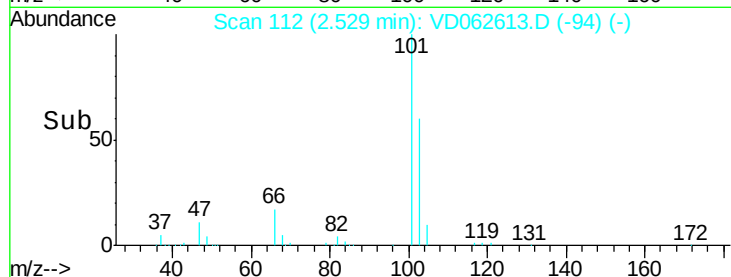
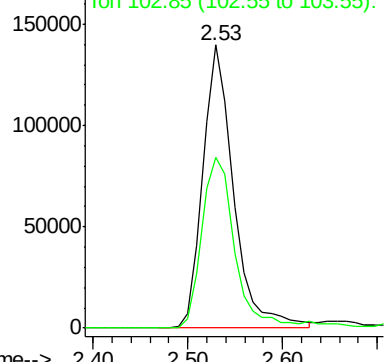
Trichlorofluoromethane
Concen: 18.373 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.02 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 315587
Ion Ratio Lower Upper
101 100
103 60.5 52.1 78.1



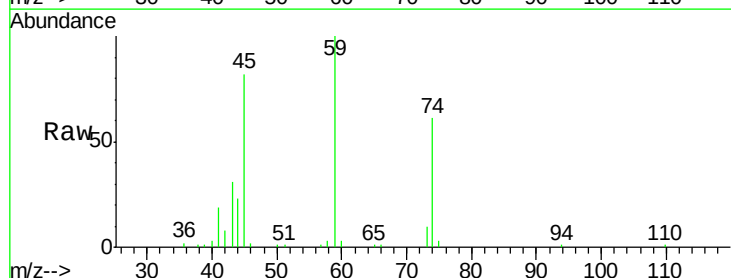
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



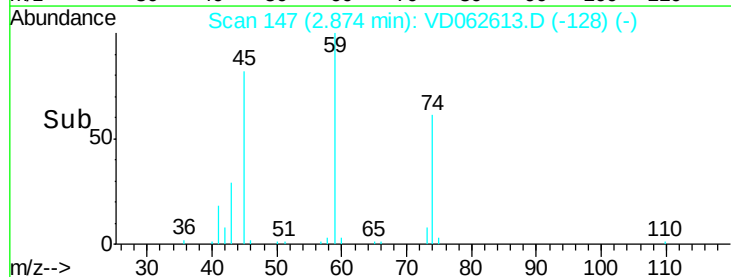
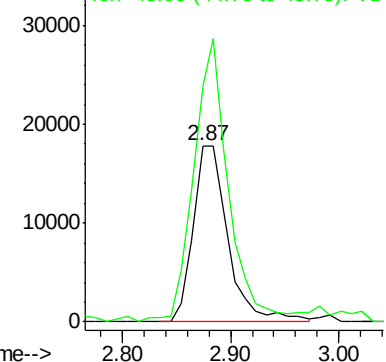
#8

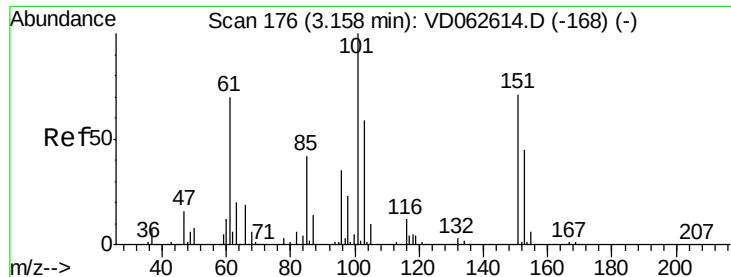
Diethyl Ether
Concen: 17.954 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 74 Resp: 40079
Ion Ratio Lower Upper
74 100
45 134.5 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: 19.690 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

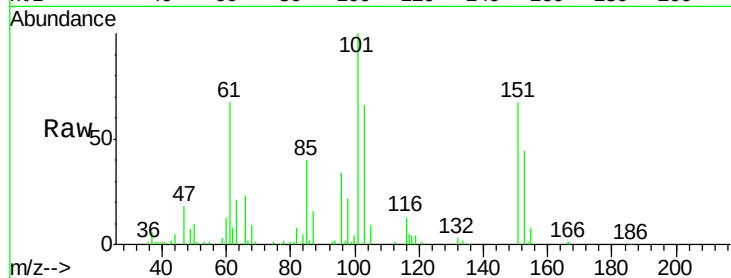
Tot Ion:101 Resp: 190156

Ion Ratio Lower Upper

101 100

85 39.9 33.8 50.6

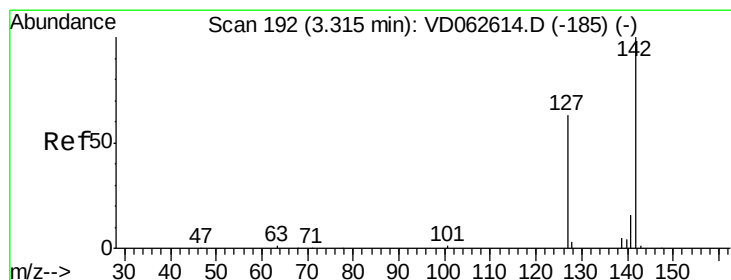
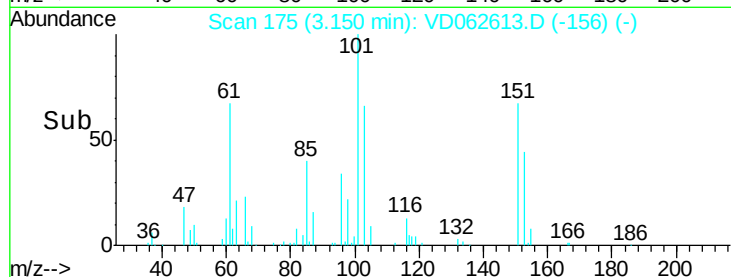
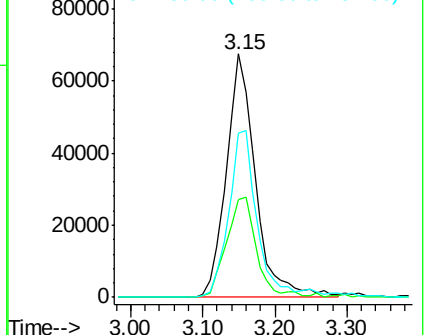
151 67.2 56.8 85.2



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: 18.149 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

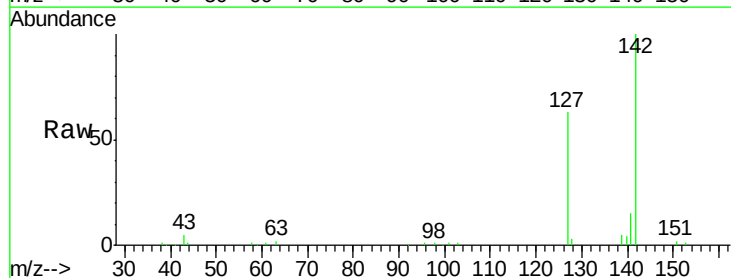
Tgt Ion:142 Resp: 224332

Ion Ratio Lower Upper

142 100

127 63.1 50.7 76.1

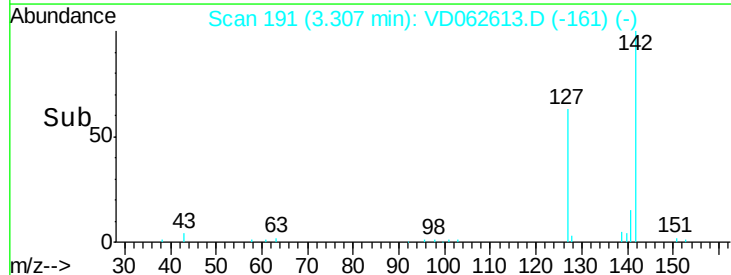
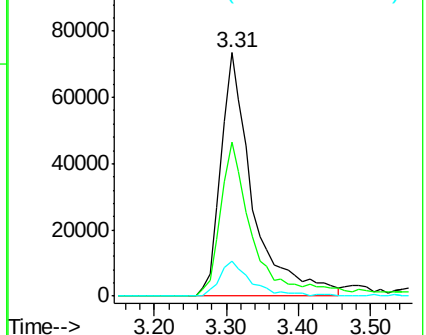
141 14.5 12.9 19.3

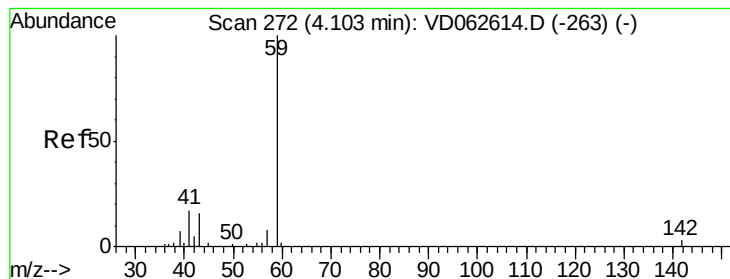


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 90.790 ug/l

RT: 4.10 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

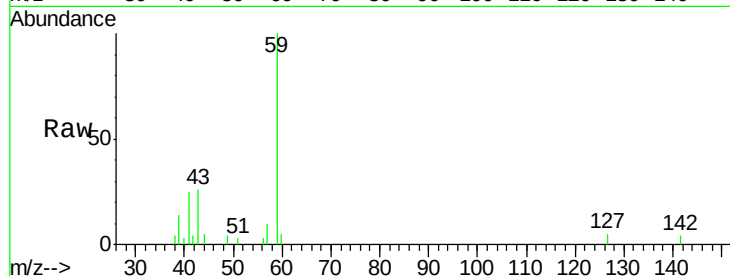
VSTDIC020

Tot Ion: 59 Resp: 45310

Ion Ratio Lower Upper

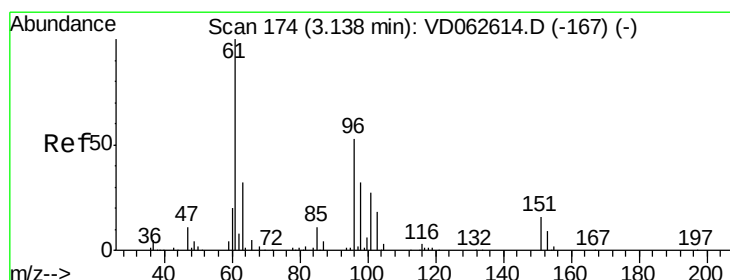
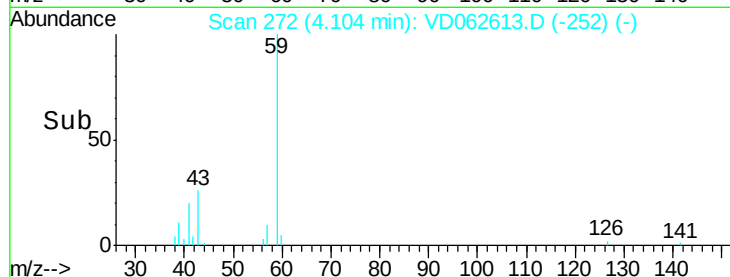
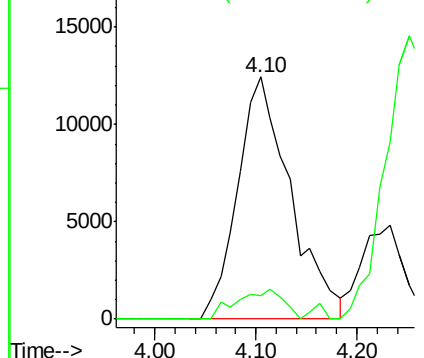
59 100

57 9.8 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 18.565 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

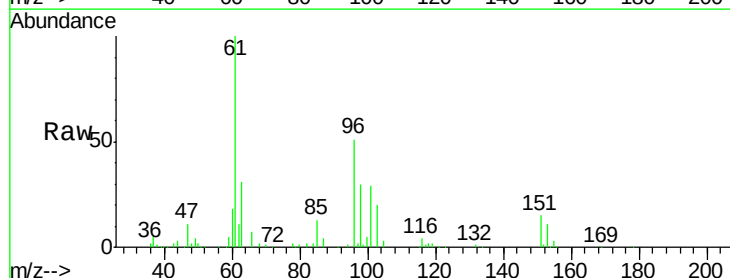
Tgt Ion: 96 Resp: 131391

Ion Ratio Lower Upper

96 100

61 198.0 151.3 226.9

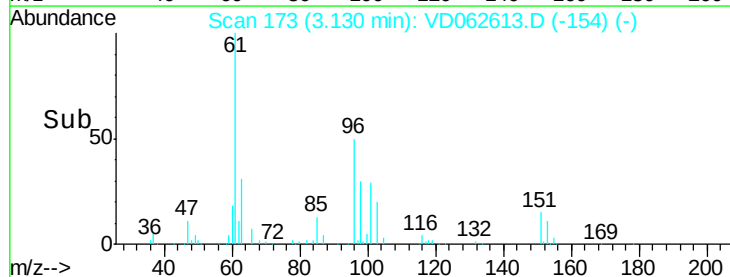
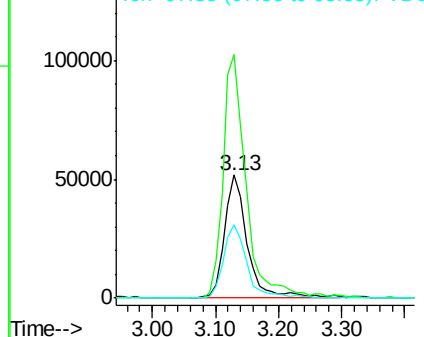
98 59.7 48.6 72.8

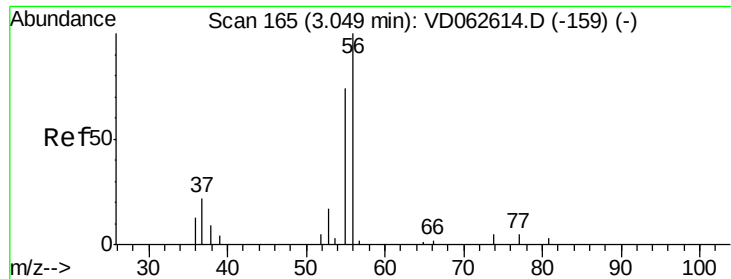


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

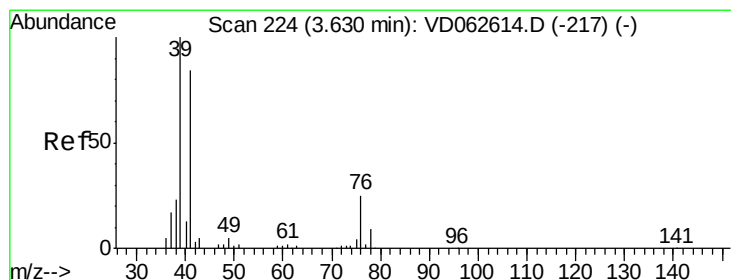
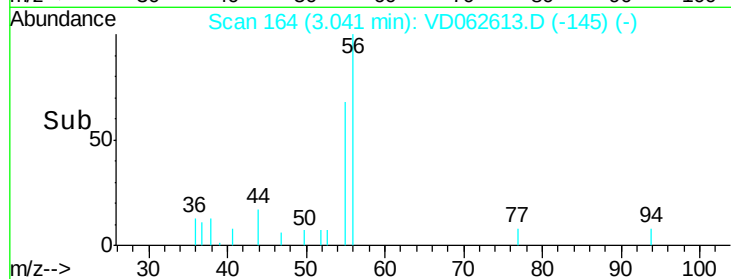
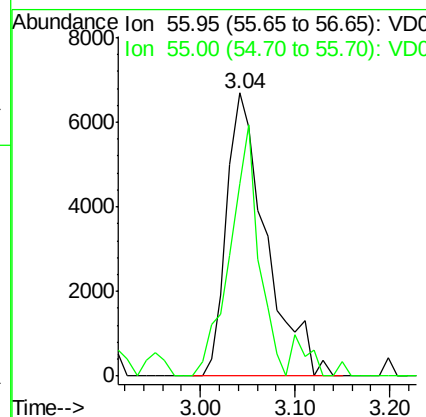
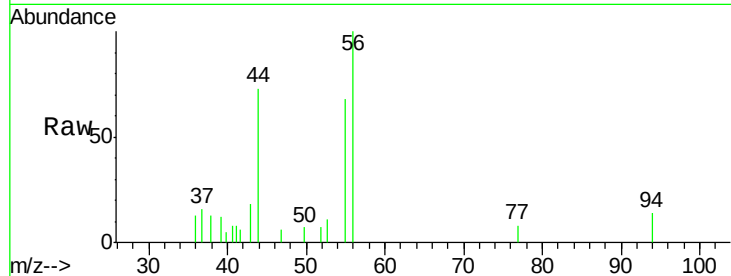




#13
Acrolein
Concen: 109.487 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

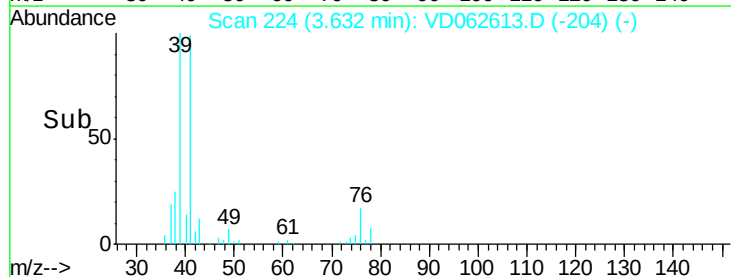
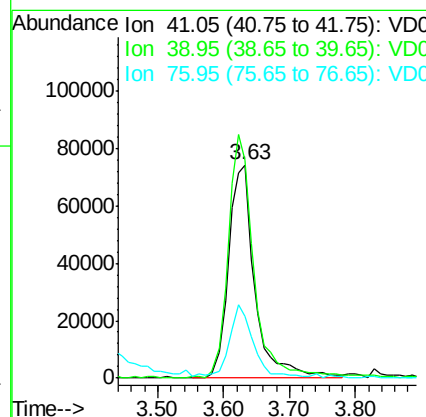
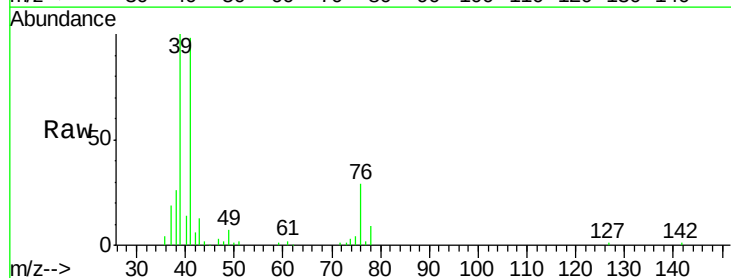
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

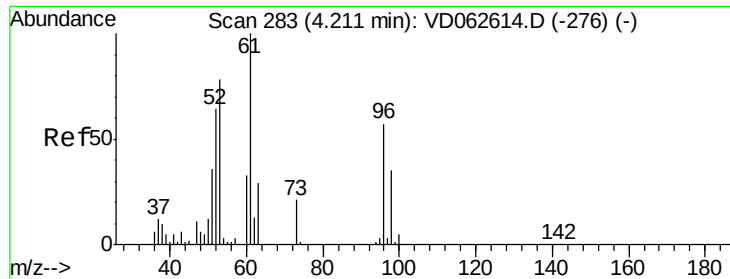
Tot Ion: 56 Resp: 19323
Ion Ratio Lower Upper
56 100
55 68.0 61.4 92.0



#14
Allyl chloride
Concen: 19.370 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 41 Resp: 208932
Ion Ratio Lower Upper
41 100
39 101.9 95.5 143.3
76 29.2 25.4 38.0





#15

Acrylonitrile

Concen: 96.242 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

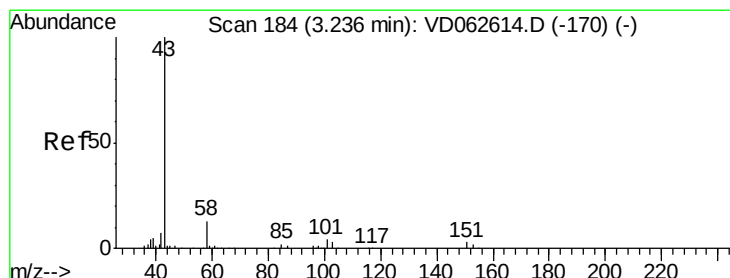
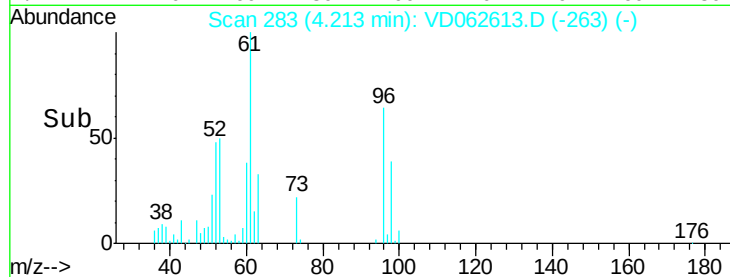
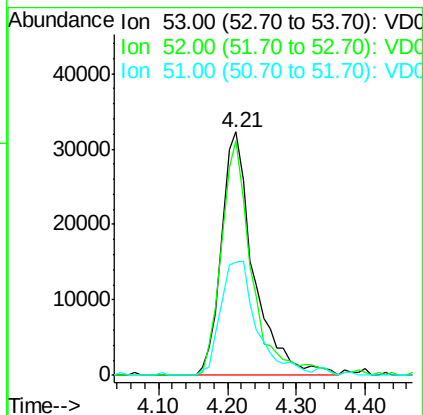
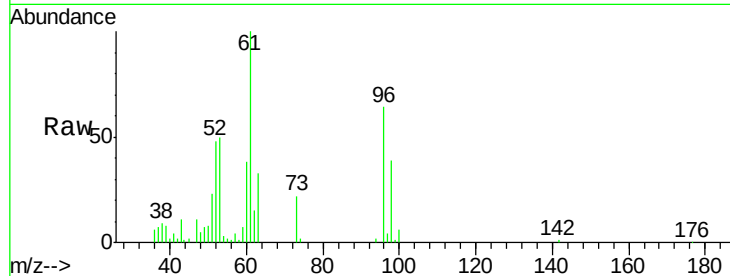
Tot Ion: 53 Resp: 104706

Ion Ratio Lower Upper

53 100

52 96.5 65.8 98.6

51 46.4 36.9 55.3



#16

Acetone

Concen: 84.359 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062613.D

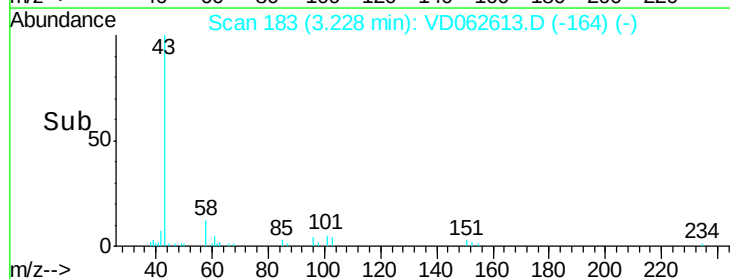
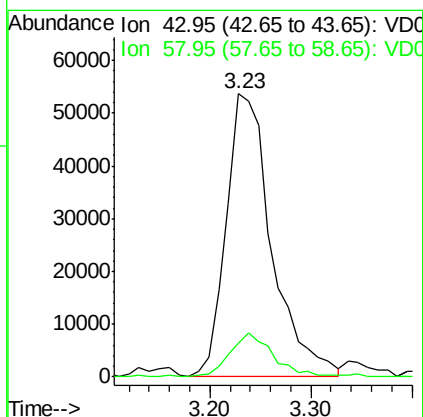
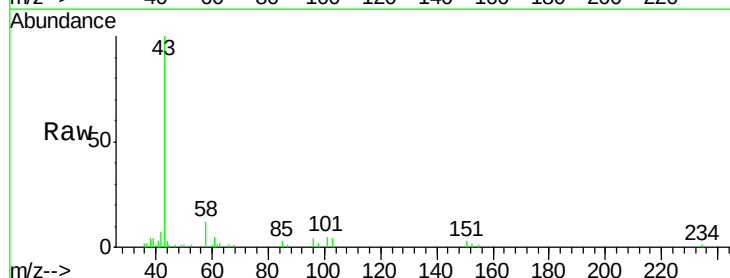
Acq: 5 Jun 2019 15:13

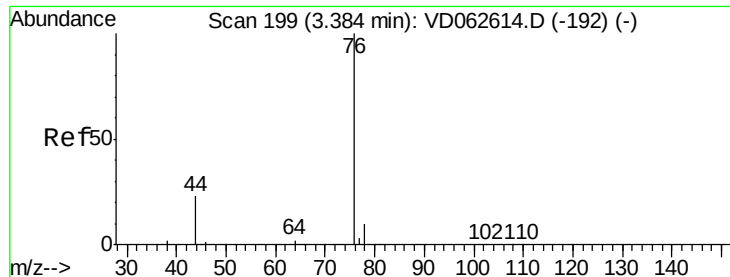
Tgt Ion: 43 Resp: 168957

Ion Ratio Lower Upper

43 100

58 12.0 10.7 16.1





#17

Carbon Disulfide

Concen: 17.883 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

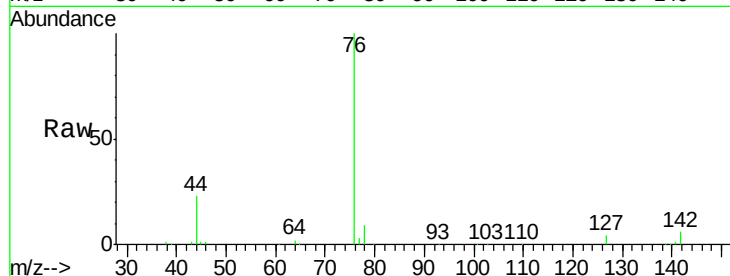
VSTDIC020

Tot Ion: 76 Resp: 368826

Ion Ratio Lower Upper

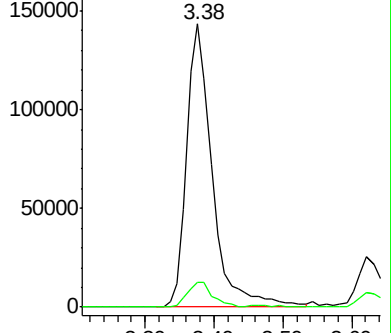
76 100

78 8.9 8.1 12.1

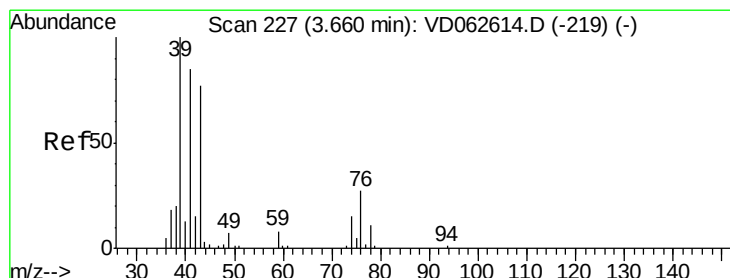
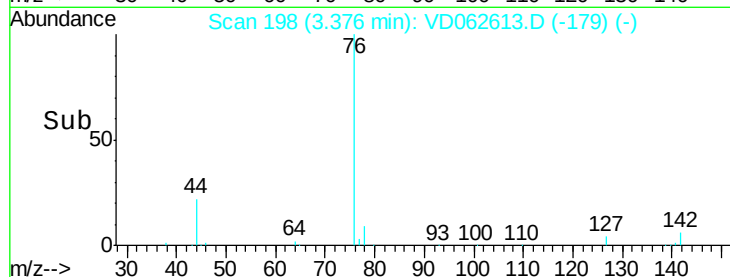


Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



Time-->



#18

Methyl Acetate

Concen: 20.648 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD062613.D

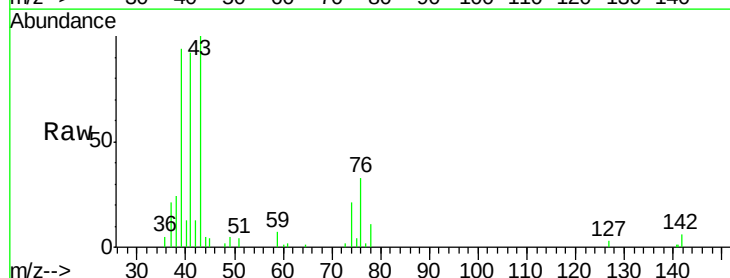
Acq: 5 Jun 2019 15:13

Tgt Ion: 43 Resp: 73539

Ion Ratio Lower Upper

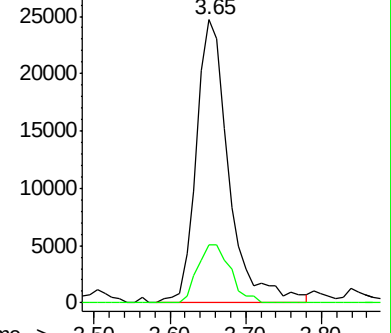
43 100

74 20.7 15.5 23.3

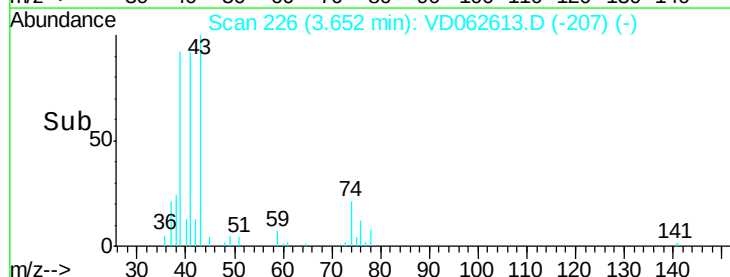


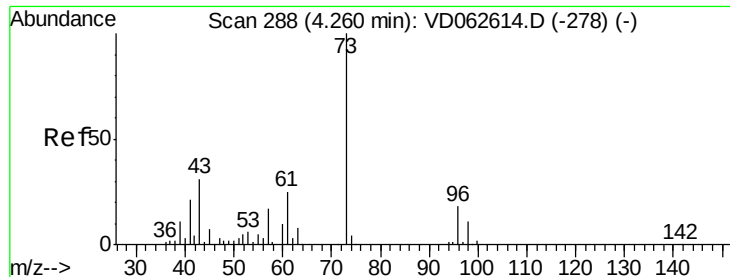
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->

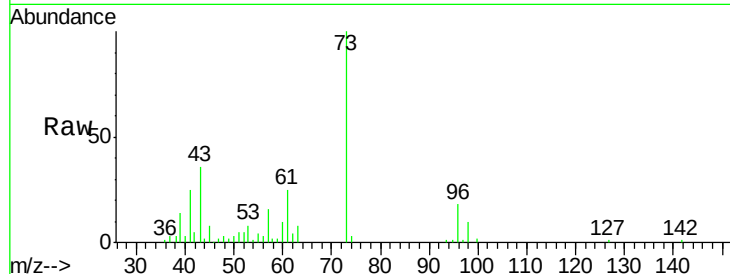




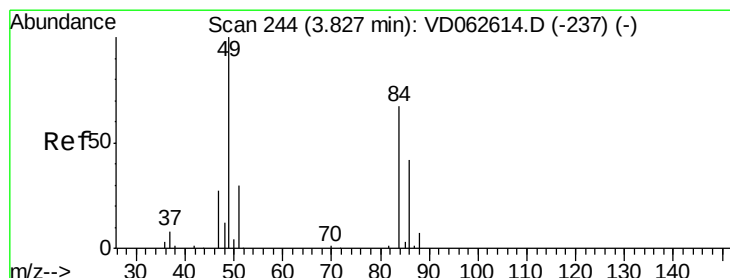
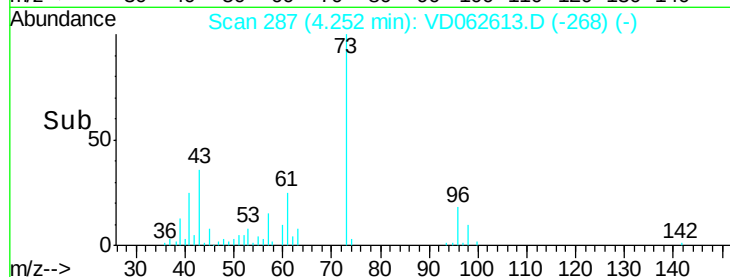
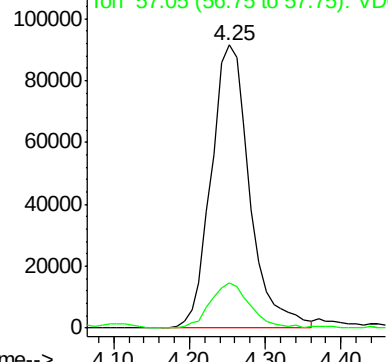
#19
Methyl tert-butyl Ether
Concen: 18.843 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 323363
Ion Ratio Lower Upper
73 100
57 15.9 13.5 20.3

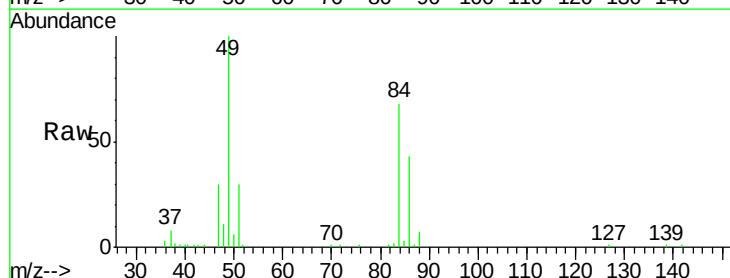


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

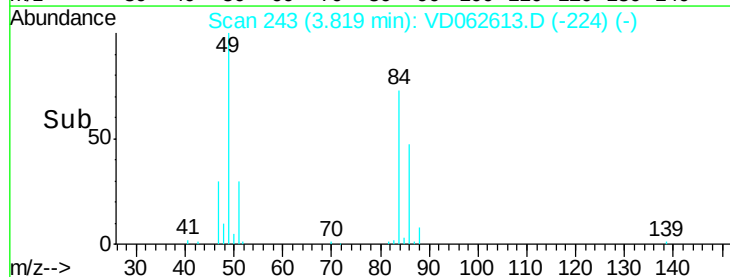
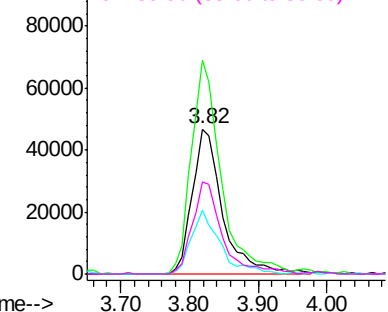


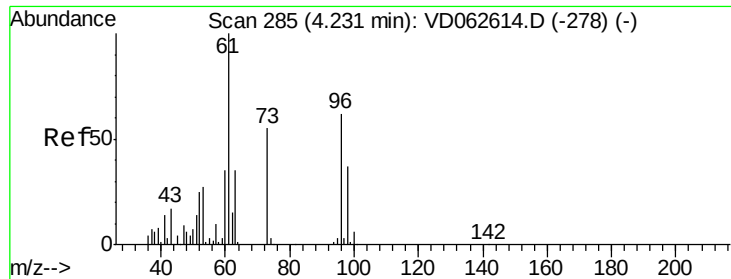
#20
Methylene Chloride
Concen: 18.323 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 84 Resp: 142840
Ion Ratio Lower Upper
84 100
49 147.6 119.0 178.6
51 44.2 35.4 53.2
86 63.4 50.0 75.0



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 18.976 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

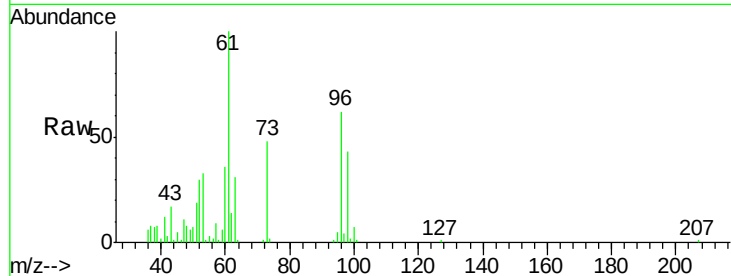
Tot Ion: 96 Resp: 146411

Ion Ratio Lower Upper

96 100

61 160.5 128.2 192.4

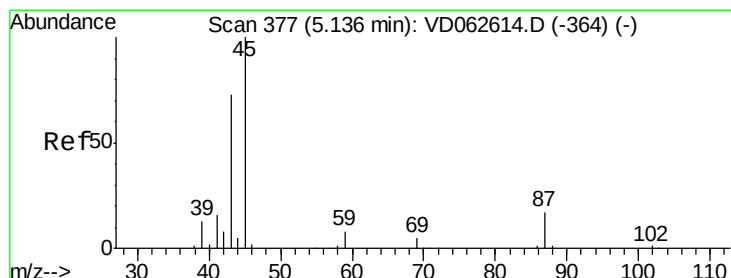
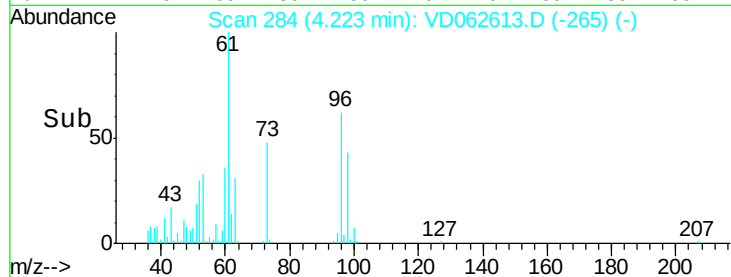
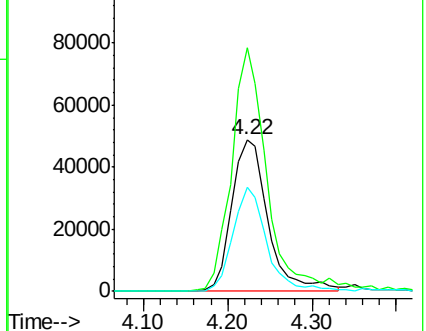
98 68.5 47.5 71.3



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: 18.514 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Tgt Ion: 45 Resp: 421846

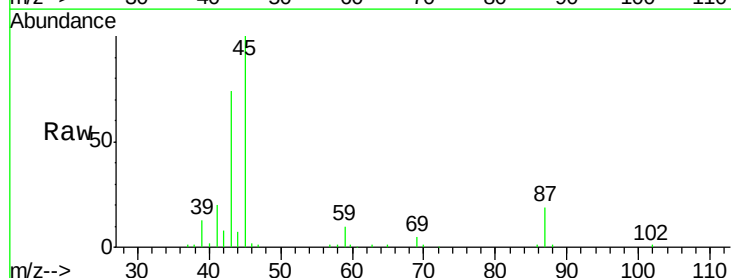
Ion Ratio Lower Upper

45 100

43 73.9 59.3 88.9

87 18.7 14.6 22.0

59 10.3 6.6 10.0#

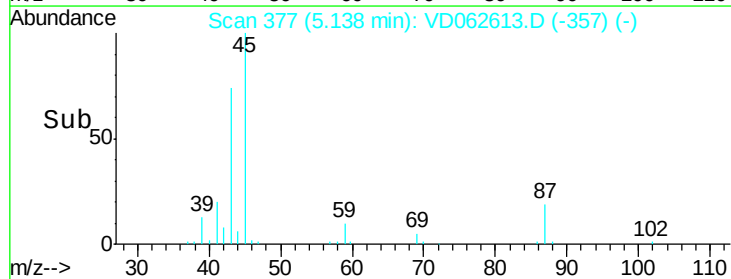
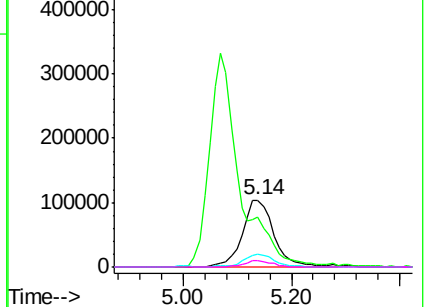


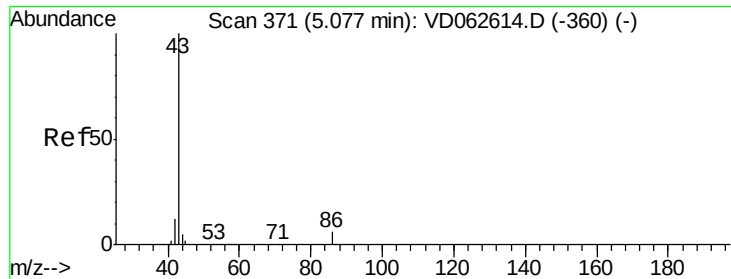
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 92.762 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

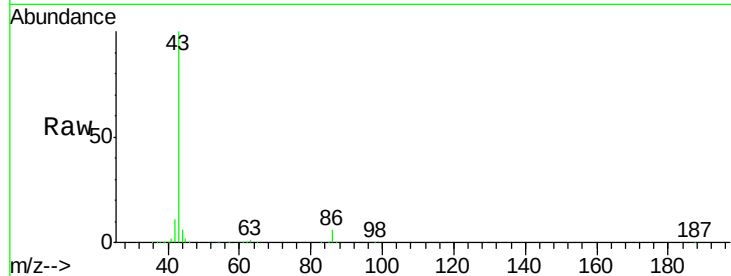
VSTDIC020

Tot Ion: 43 Resp: 1285830

Ion Ratio Lower Upper

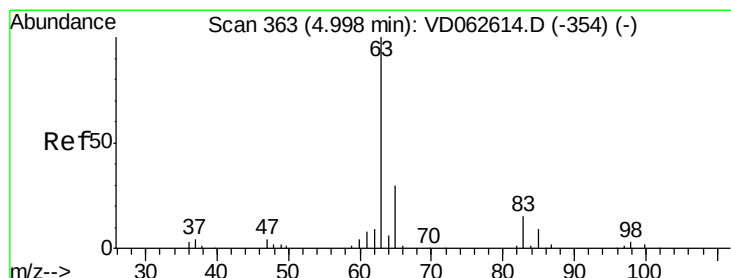
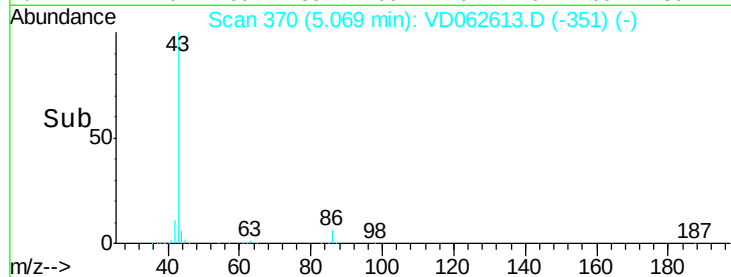
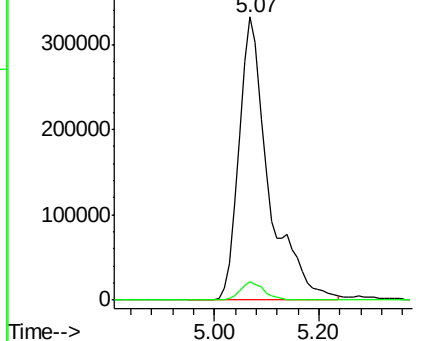
43 100

86 6.4 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.805 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

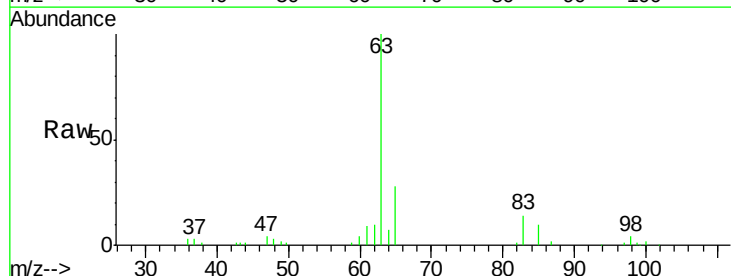
Tgt Ion: 63 Resp: 269966

Ion Ratio Lower Upper

63 100

98 3.7 1.7 5.1

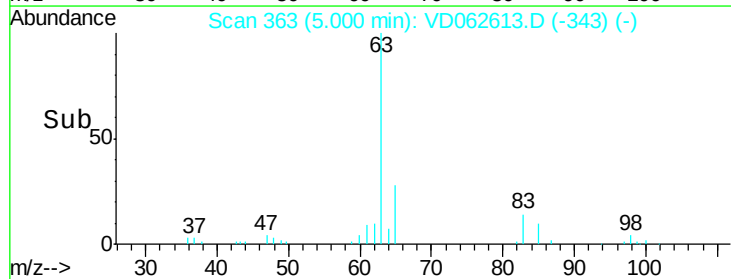
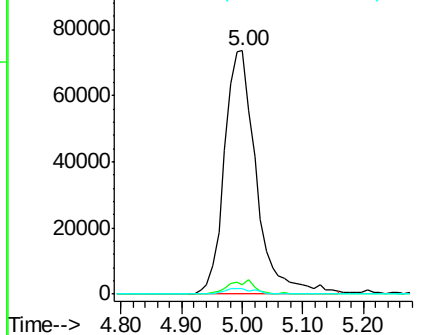
100 2.2 1.1 3.5

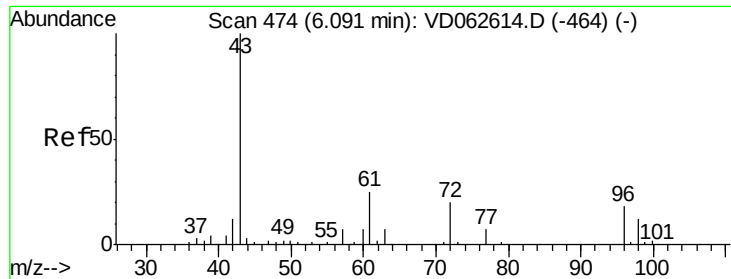


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 90.231 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

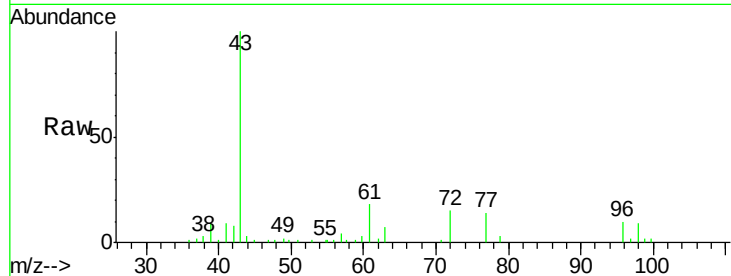
VSTDIC020

Tot Ion: 43 Resp: 171670

Ion Ratio Lower Upper

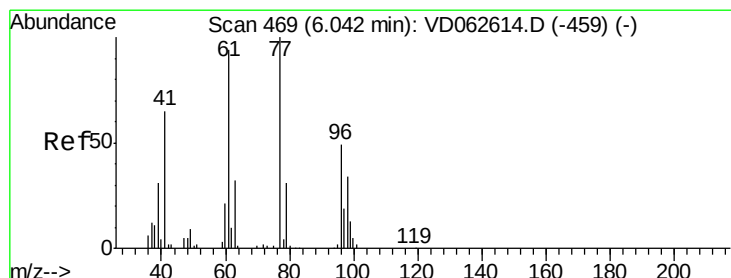
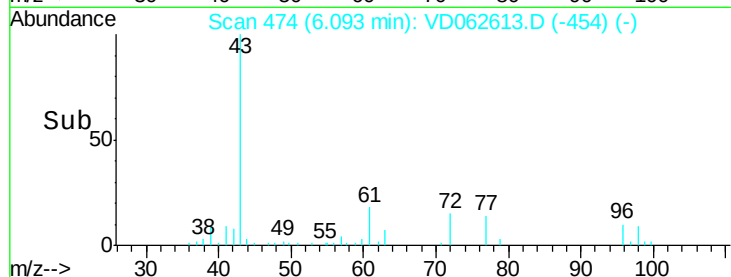
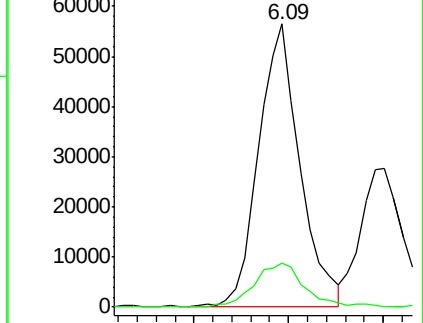
43 100

72 15.4 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.373 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062613.D

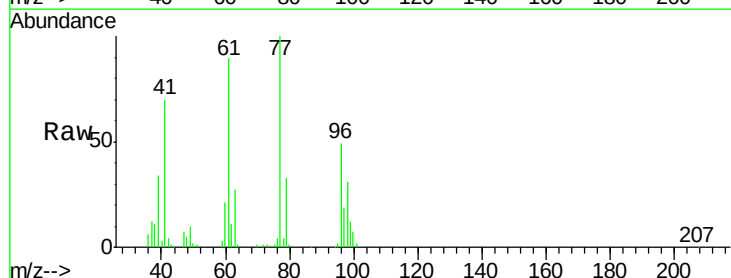
Acq: 5 Jun 2019 15:13

Tgt Ion: 77 Resp: 303906

Ion Ratio Lower Upper

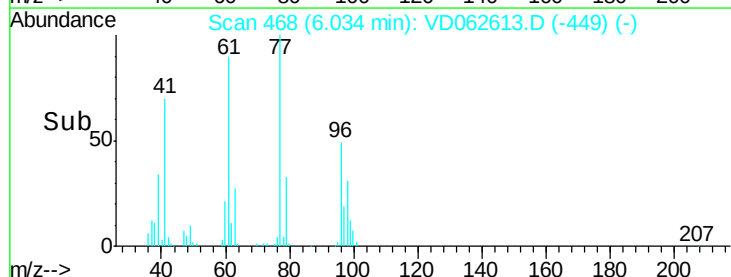
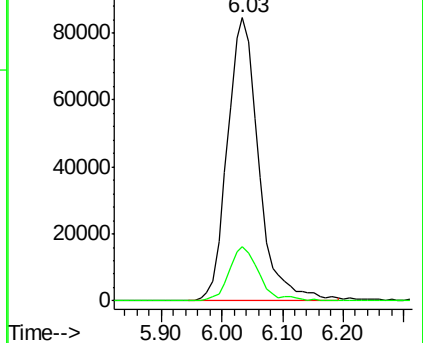
77 100

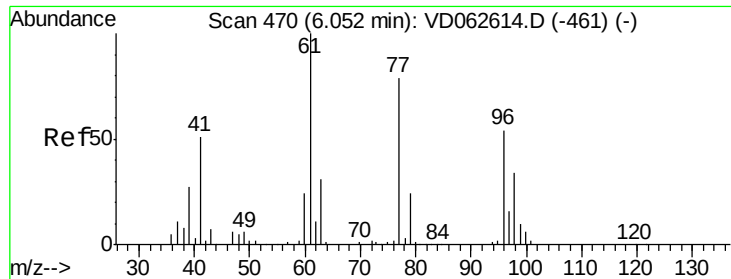
97 19.1 9.6 28.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



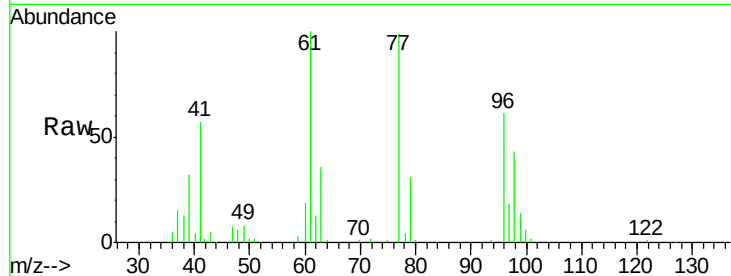


#27

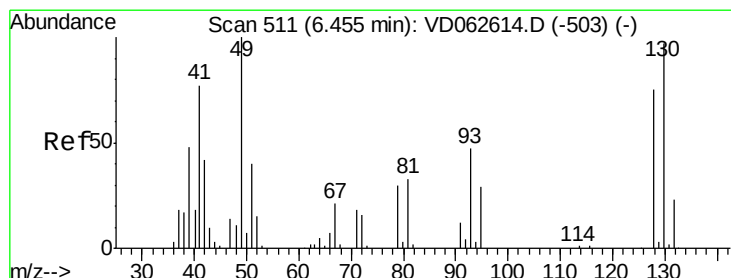
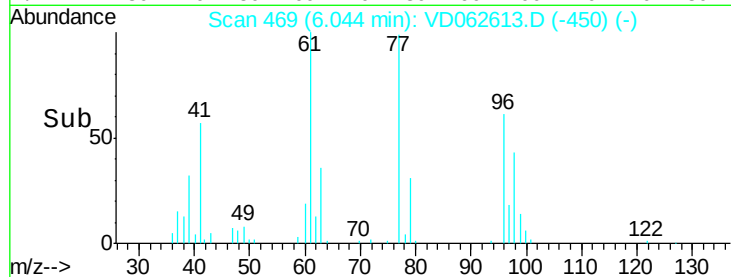
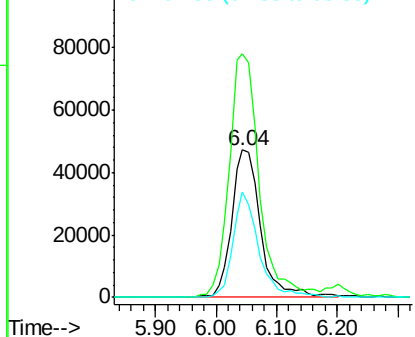
cis-1,2-Dichloroethene
 Concen: 18.849 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 156745
 Ion Ratio Lower Upper
 96 100
 61 165.2 0.0 372.0
 98 71.4 0.0 126.4



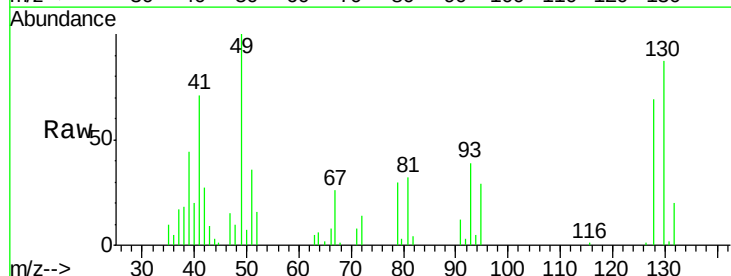
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



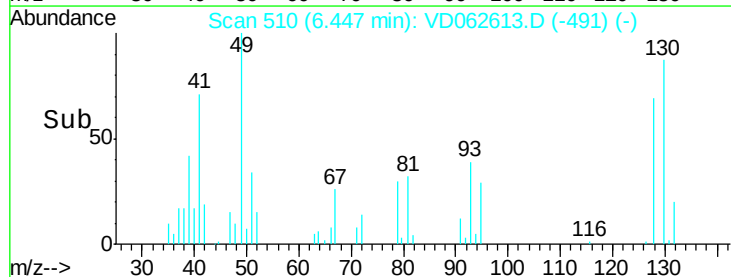
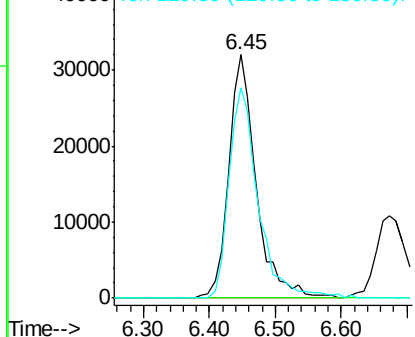
#28

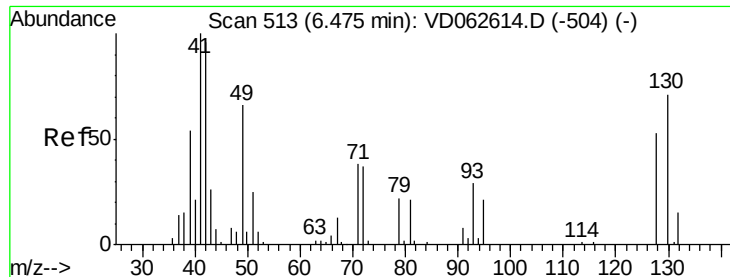
Bromochloromethane
 Concen: 17.176 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Tgt Ion: 49 Resp: 93286
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.4
 130 86.6 77.6 116.4



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





#29

Tetrahydrofuran

Concen: 88.388 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

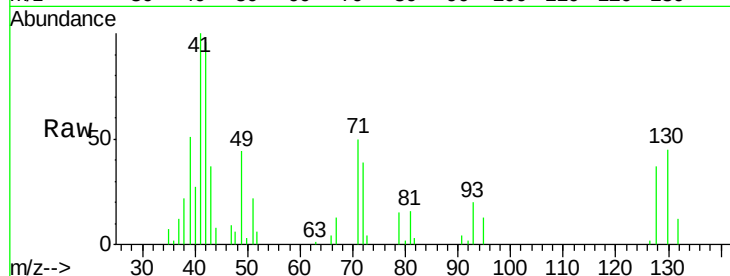
Tot Ion: 42 Resp: 78064

Ion Ratio Lower Upper

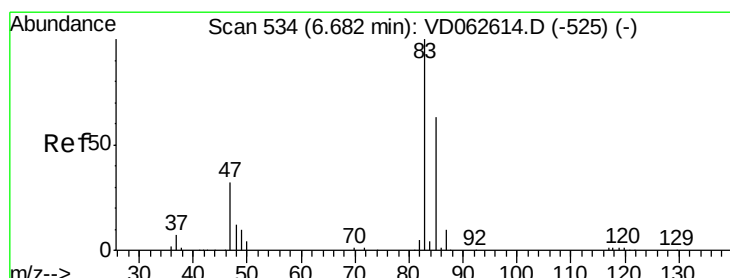
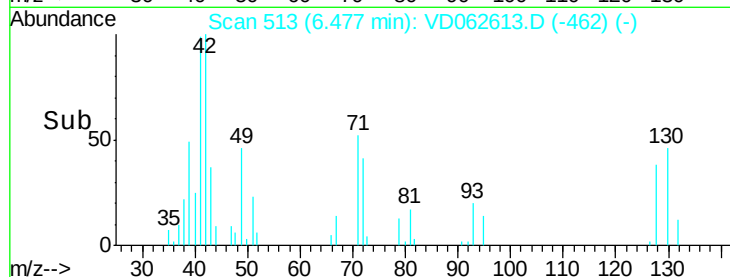
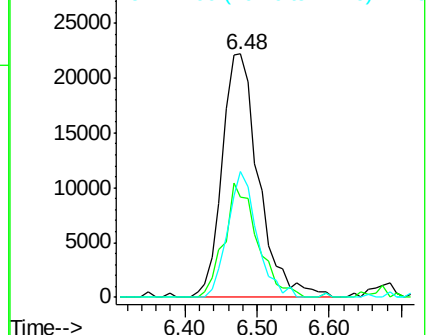
42 100

72 42.8 32.5 48.7

71 41.4 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: 19.041 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062613.D

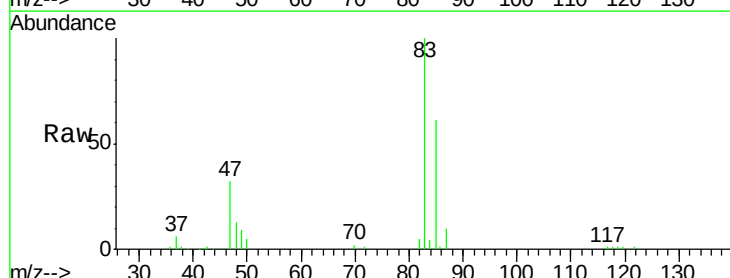
Acq: 5 Jun 2019 15:13

Tgt Ion: 83 Resp: 339979

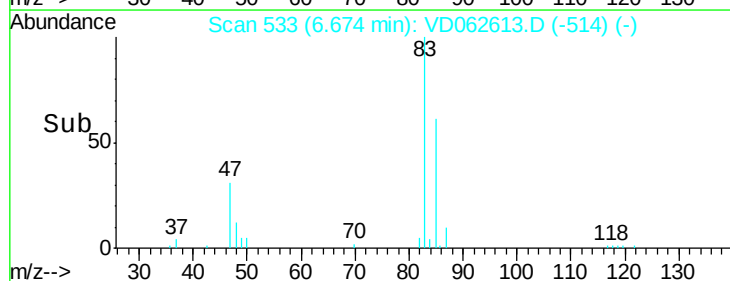
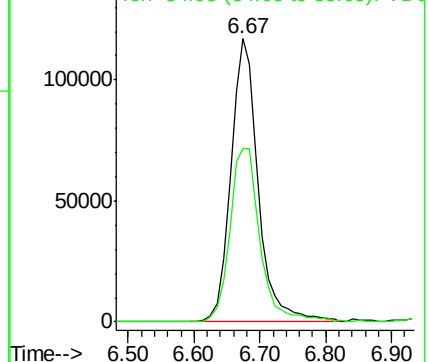
Ion Ratio Lower Upper

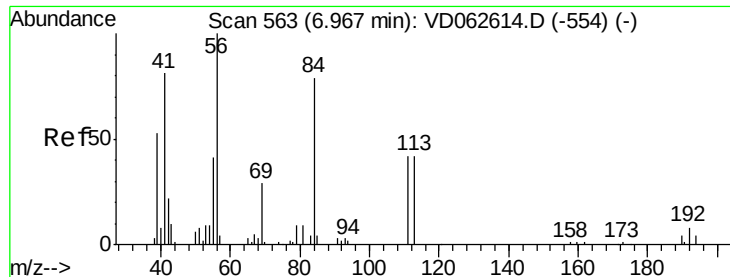
83 100

85 61.2 50.4 75.6



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

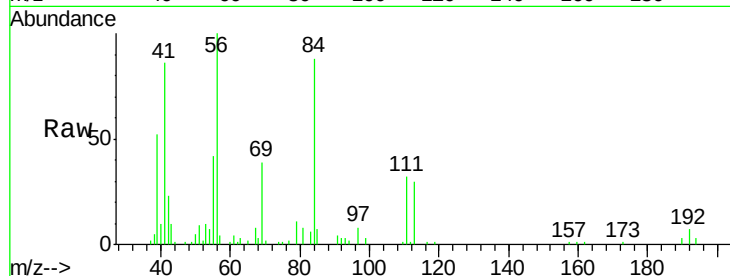




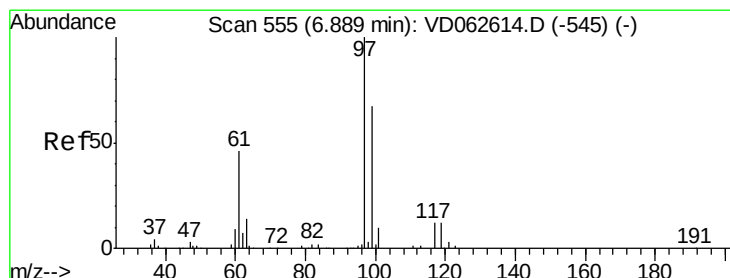
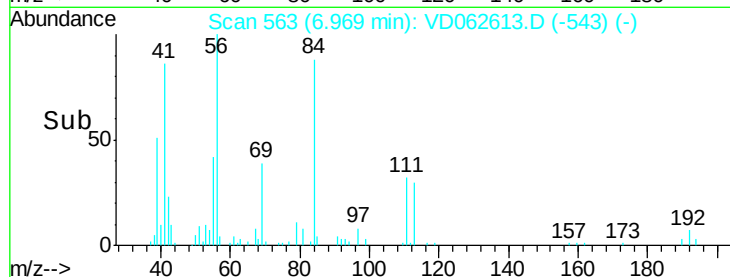
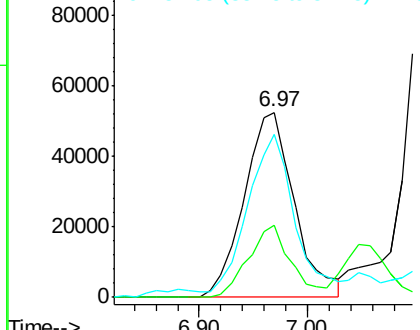
#31
Cyclohexane
Concen: 18.385 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 168730
Ion Ratio Lower Upper
56 100
69 39.2 23.0 34.4#
84 88.0 66.0 99.0

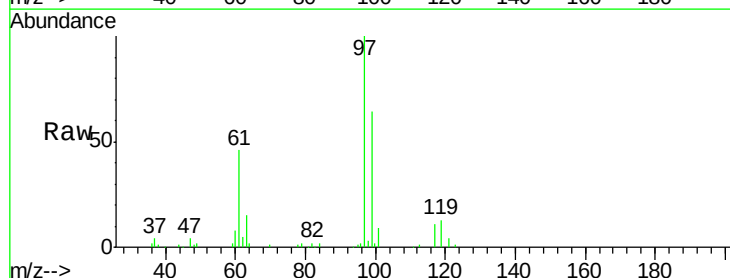


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

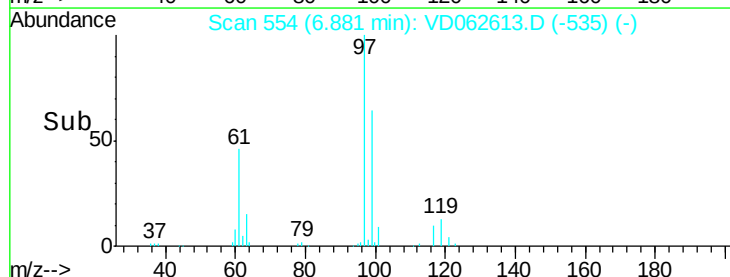
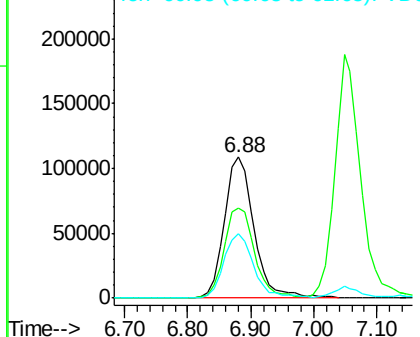


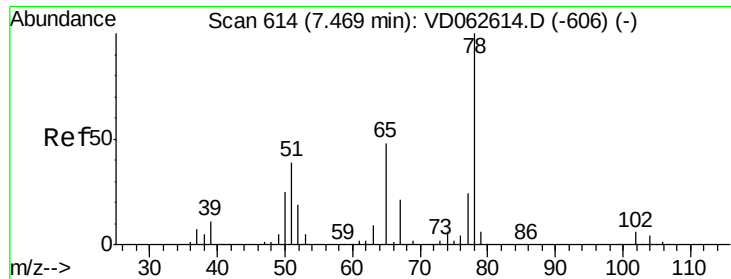
#32
1,1,1-Trichloroethane
Concen: 19.511 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 97 Resp: 352691
Ion Ratio Lower Upper
97 100
99 64.1 53.4 80.0
61 46.1 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

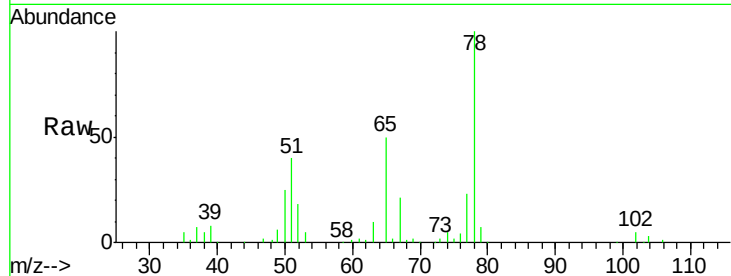




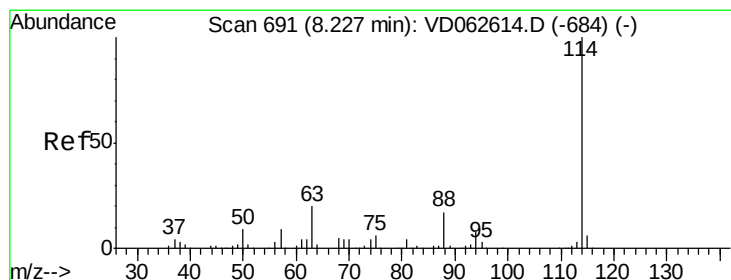
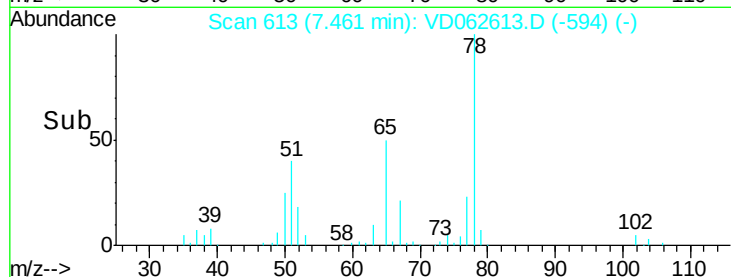
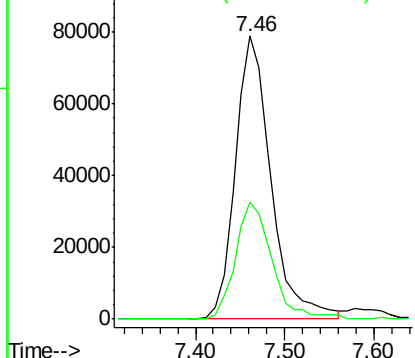
#33
 1,2-Dichloroethane-d4
 Concen: 19.652 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 219026
 Ion Ratio Lower Upper
 65 100
 67 41.1 0.0 86.2

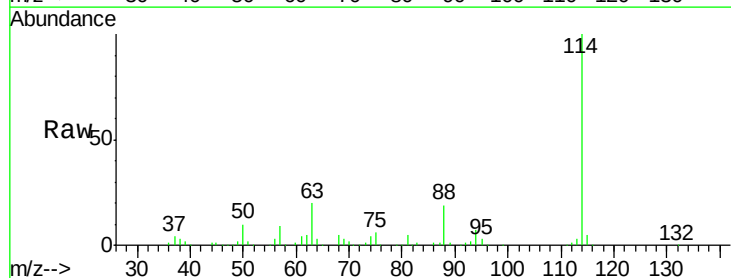


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

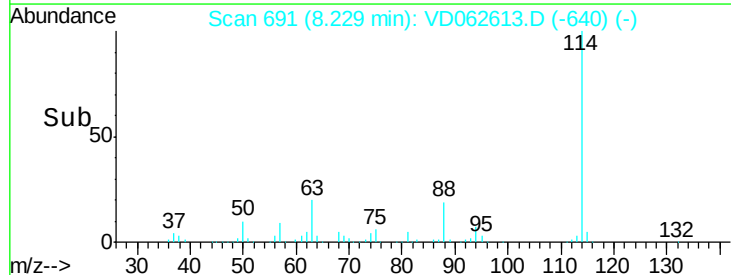
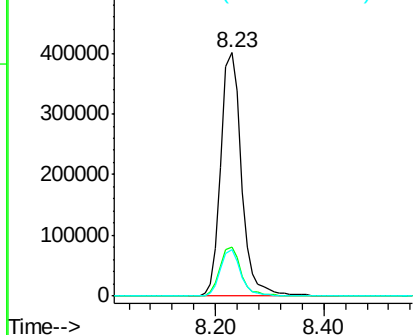


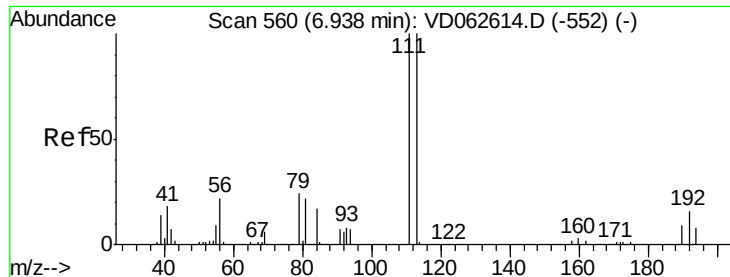
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Tgt Ion: 114 Resp: 1060782
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.0
 88 19.1 0.0 34.2



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

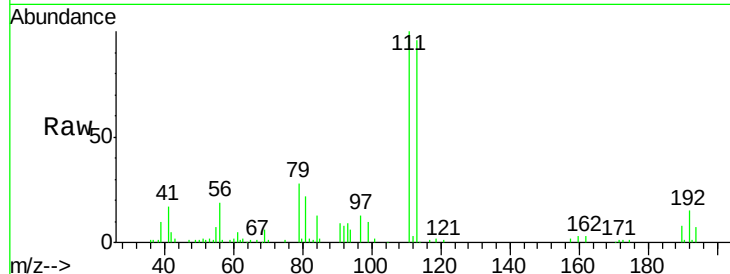




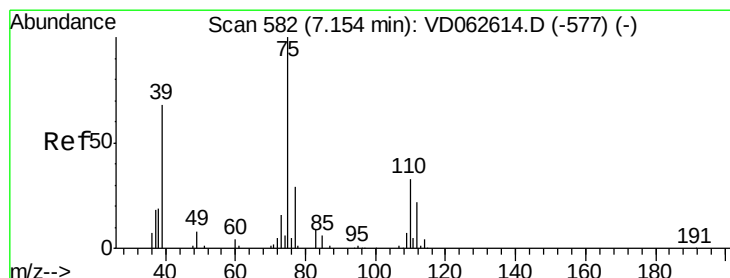
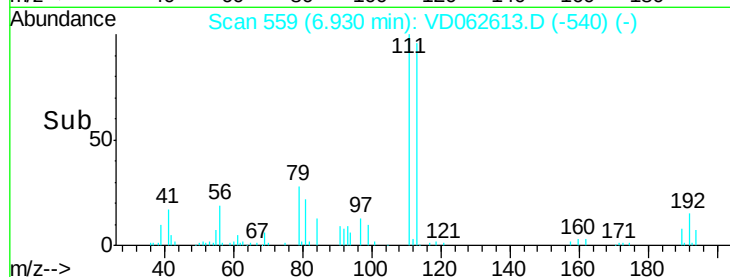
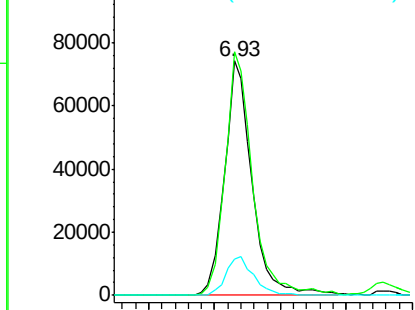
#35
 Dibromofluoromethane
 Concen: 20.038 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.1	120.1
192	15.7	13.0	19.6

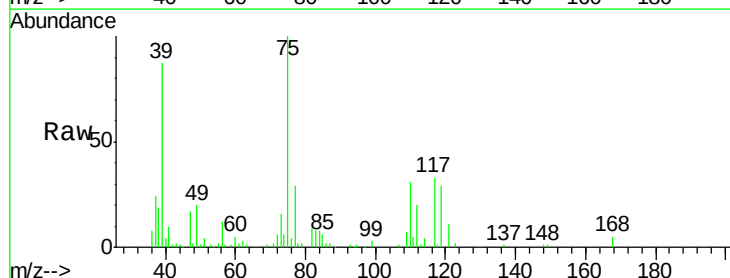


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

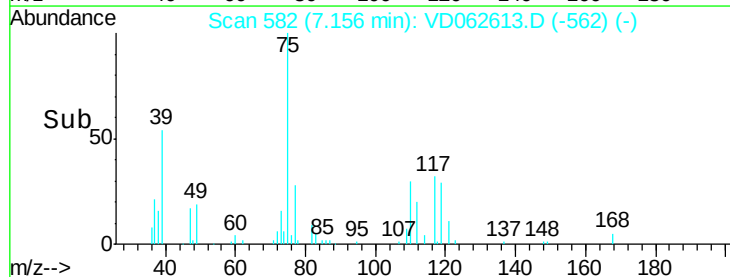
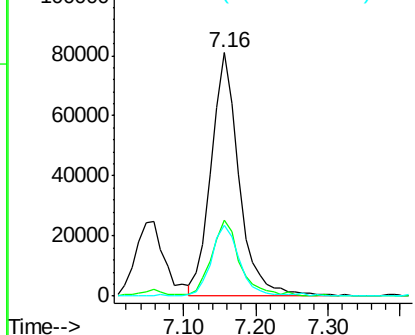


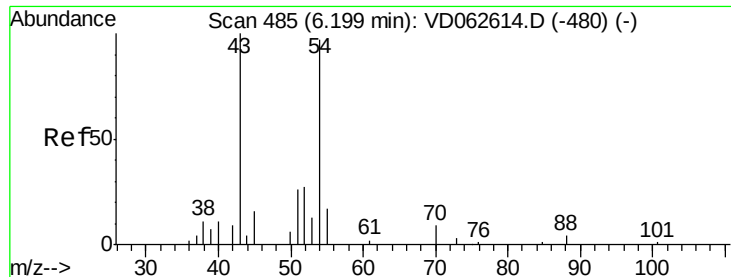
#36
 1,1-Dichloropropene
 Concen: 18.979 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	16.5	49.5
77	29.1	23.3	34.9



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

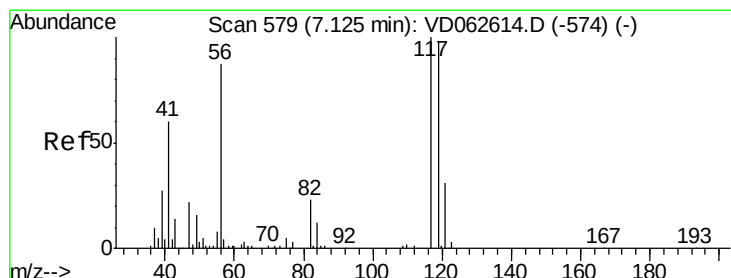
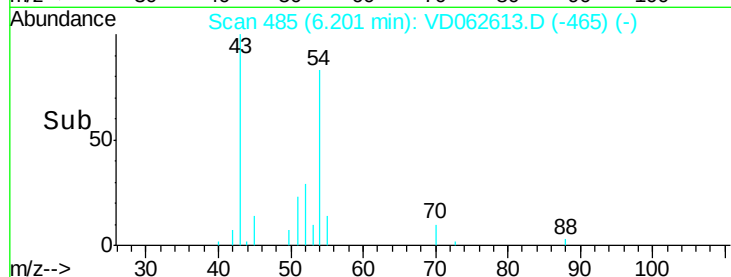
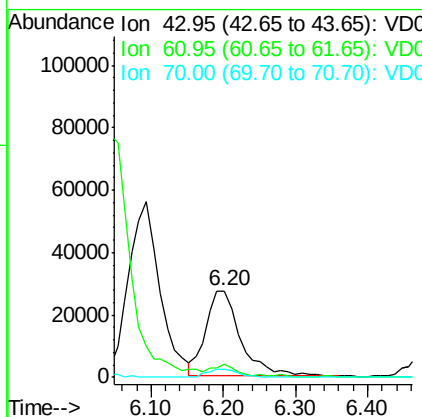
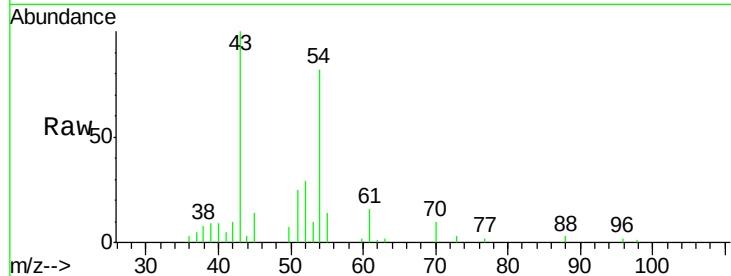




#37
Ethyl Acetate
Concen: 19.752 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

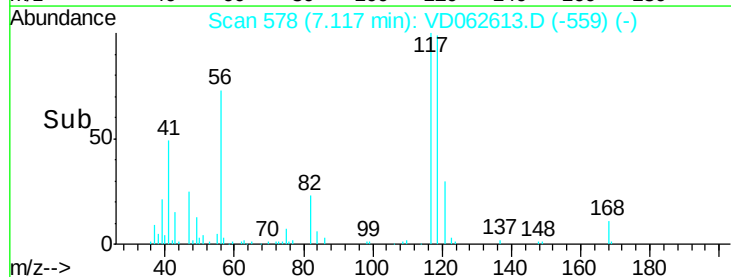
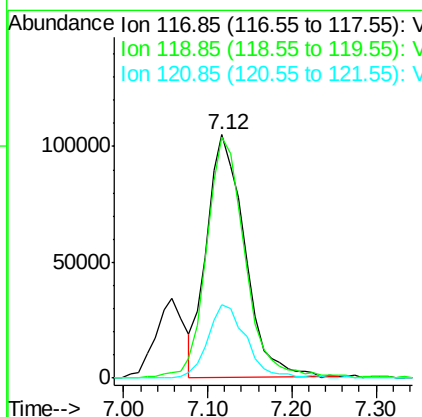
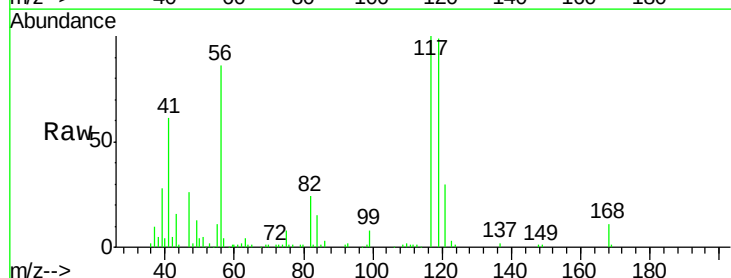
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

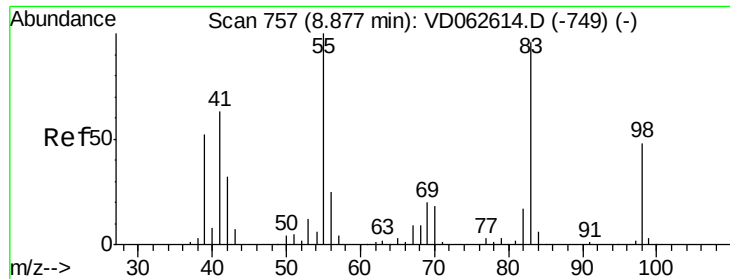
Tot Ion: 43 Resp: 90909
Ion Ratio Lower Upper
43 100
61 15.8 8.8 13.2#
70 10.0 5.6 8.4#



#38
Carbon Tetrachloride
Concen: 18.917 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 117 Resp: 327041
Ion Ratio Lower Upper
117 100
119 99.2 74.1 111.1
121 30.0 23.5 35.3

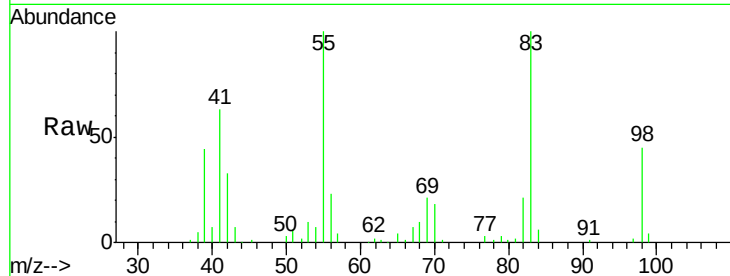




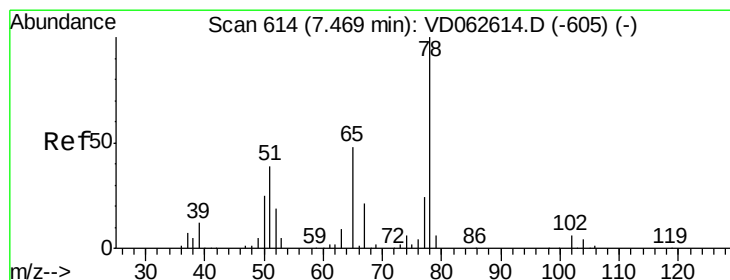
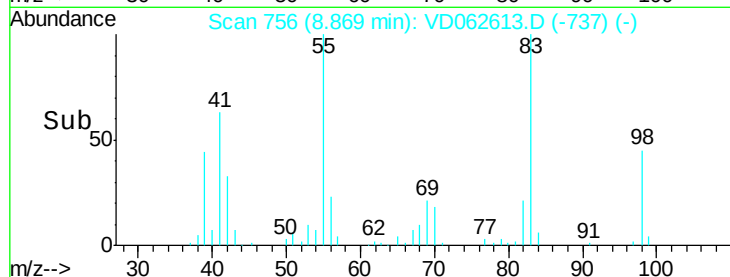
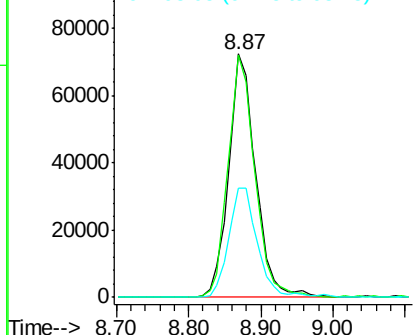
#39
Methylvlcyclohexane
Concen: 19.419 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 189354
Ion Ratio Lower Upper
83 100
55 99.6 83.2 124.8
98 45.0 39.8 59.8

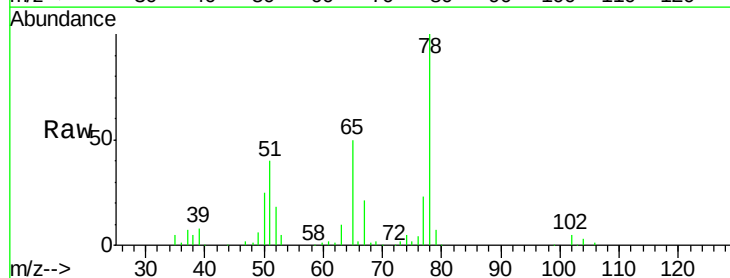


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

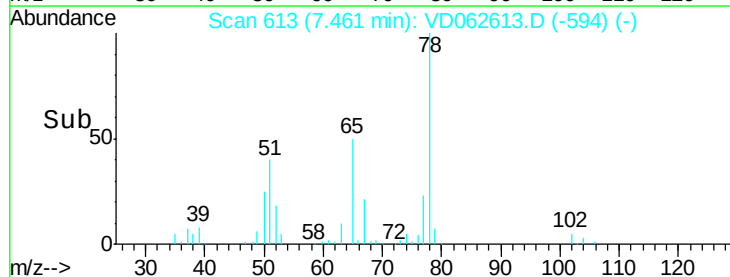
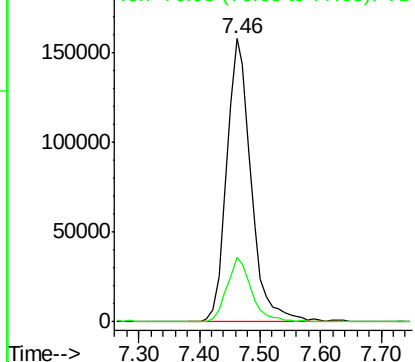


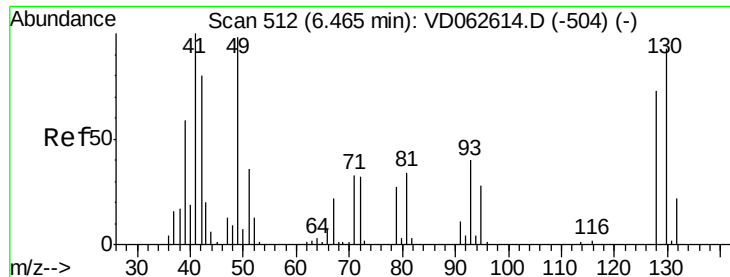
#40
Benzene
Concen: 19.659 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 78 Resp: 442831
Ion Ratio Lower Upper
78 100
77 22.9 19.5 29.3



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

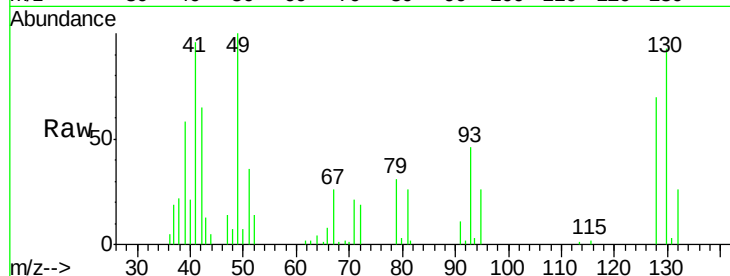




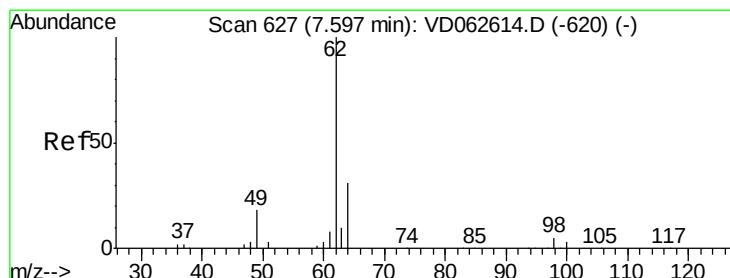
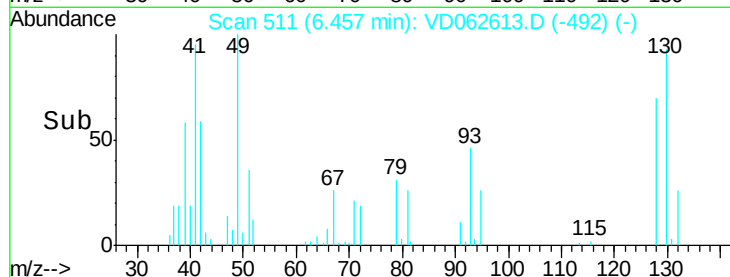
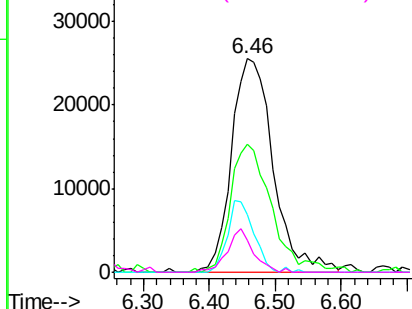
#41
Methacrylonitrile
Concen: 18.986 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 113161
Ion Ratio Lower Upper
41 100
39 59.8 47.5 71.3
67 26.9 17.8 26.6#
52 14.7 10.2 15.4

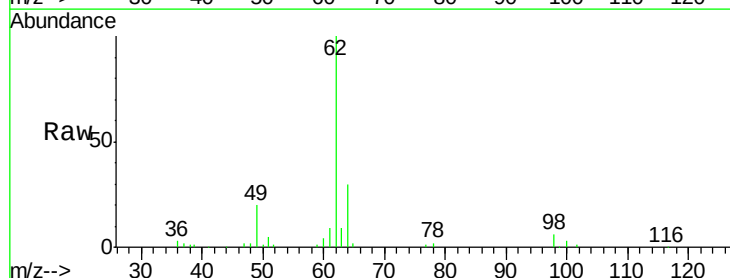


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

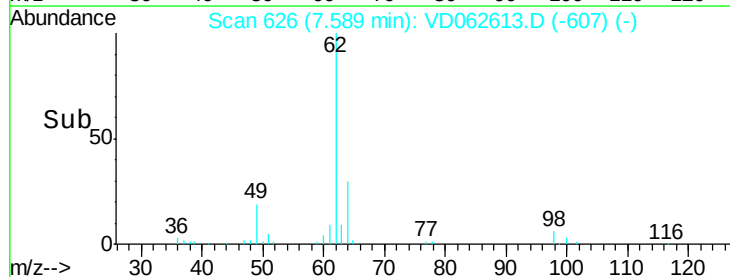
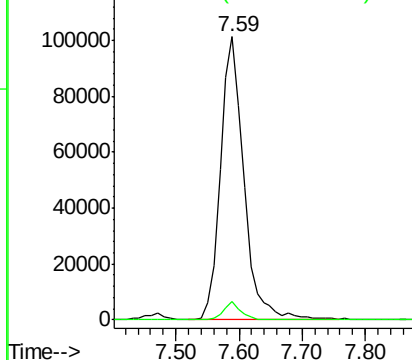


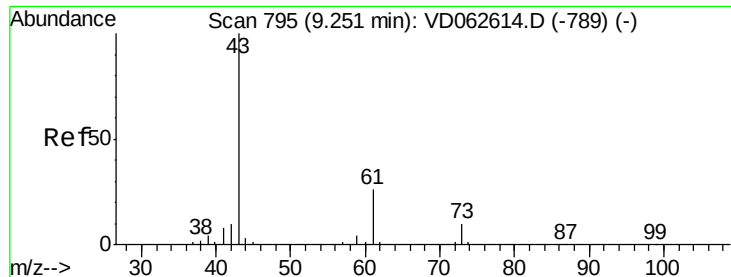
#42
1,2-Dichloroethane
Concen: 19.793 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 62 Resp: 262433
Ion Ratio Lower Upper
62 100
98 6.3 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.929 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

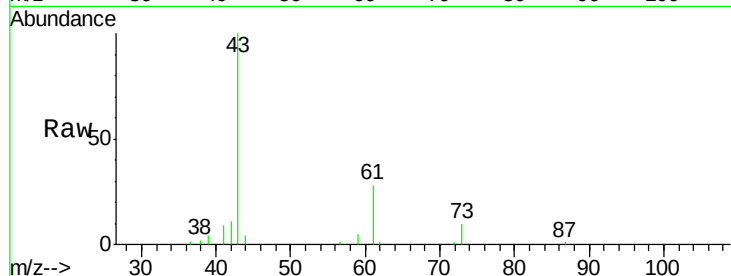
Tot Ion: 43 Resp: 119741

Ion Ratio Lower Upper

43 100

61 28.1 21.0 31.6

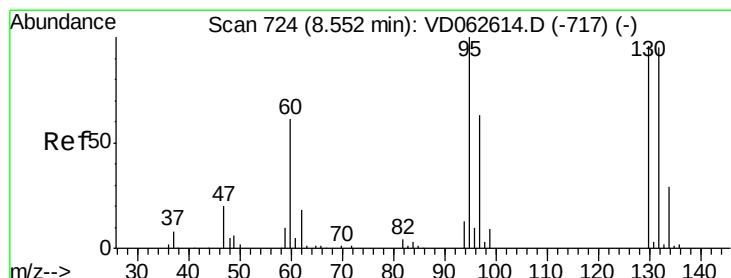
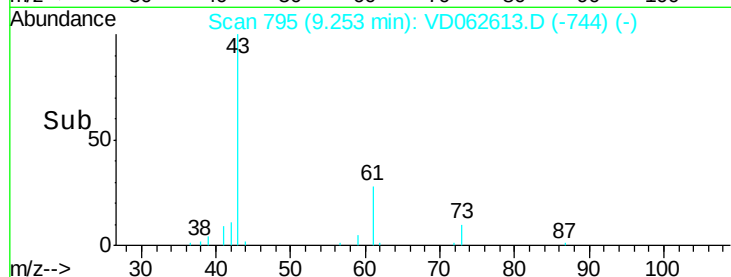
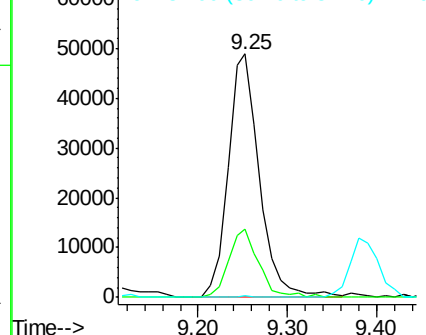
87 0.7 0.2 0.4#



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: 19.335 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD062613.D

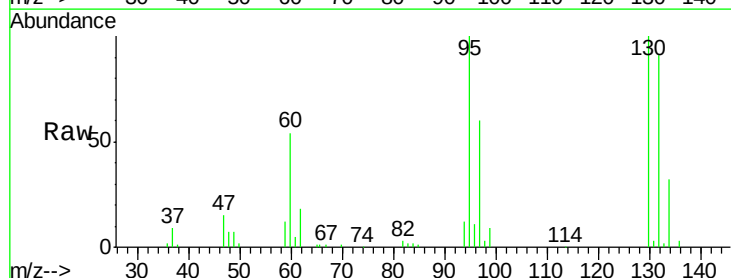
Acq: 5 Jun 2019 15:13

Tgt Ion:130 Resp: 176622

Ion Ratio Lower Upper

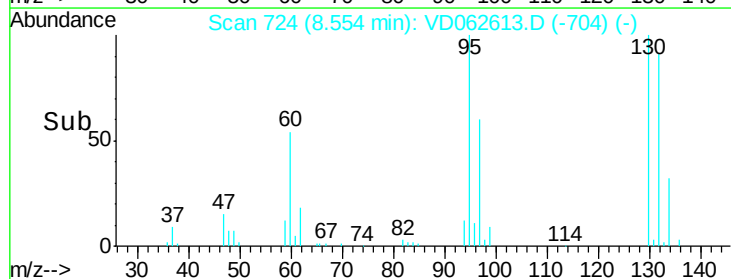
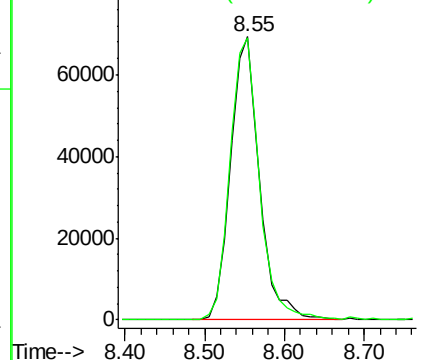
130 100

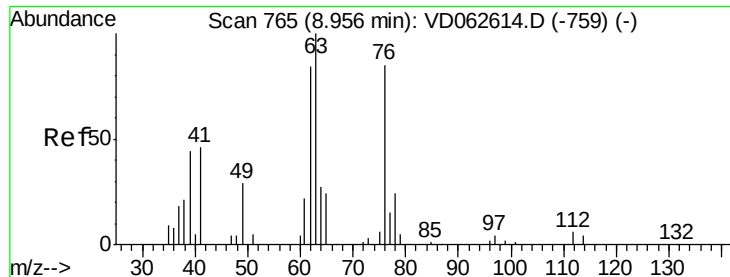
95 99.7 0.0 208.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.028 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

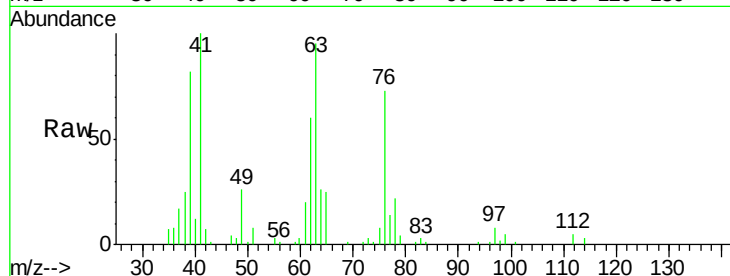
VSTDIC020

Tot Ion: 63 Resp: 112968

Ion Ratio Lower Upper

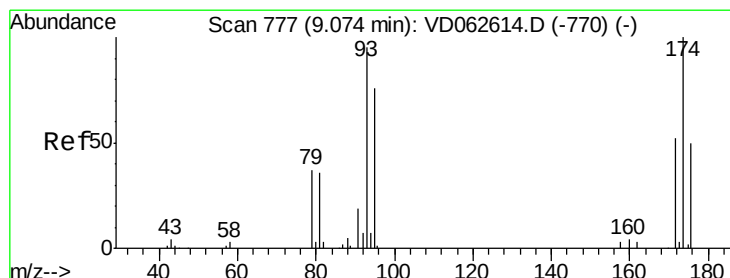
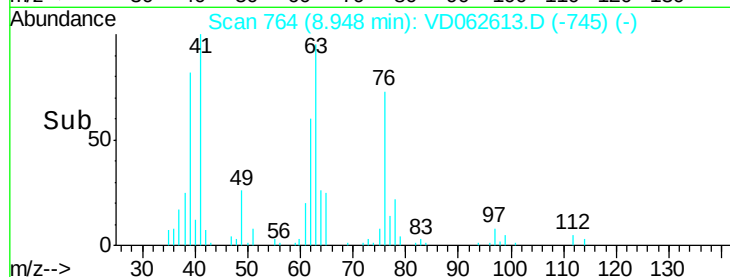
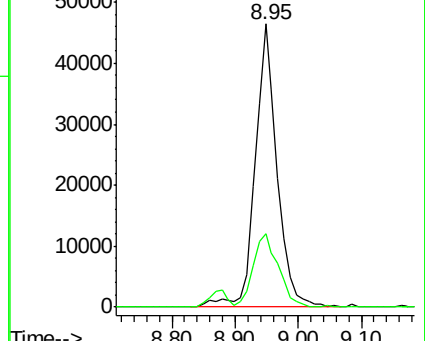
63 100

65 26.1 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: 18.989 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

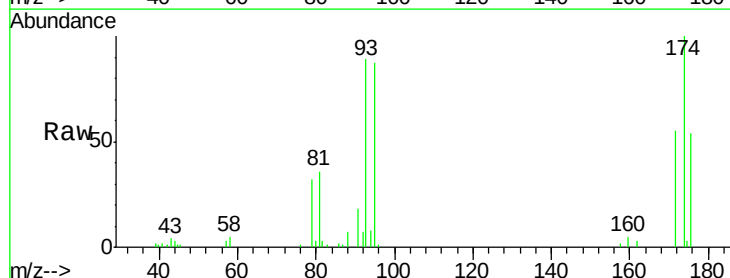
Tgt Ion: 93 Resp: 93185

Ion Ratio Lower Upper

93 100

95 98.1 64.2 96.2#

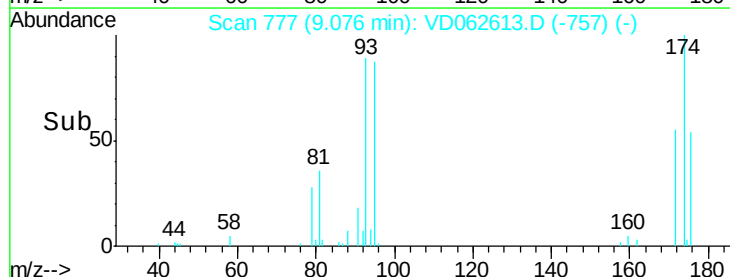
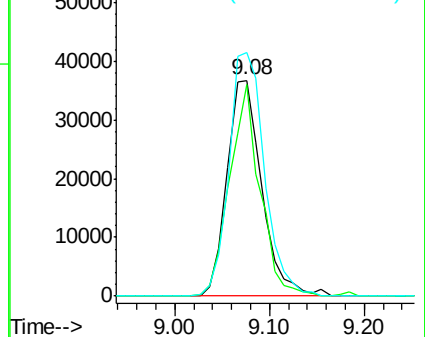
174 113.0 84.1 126.1

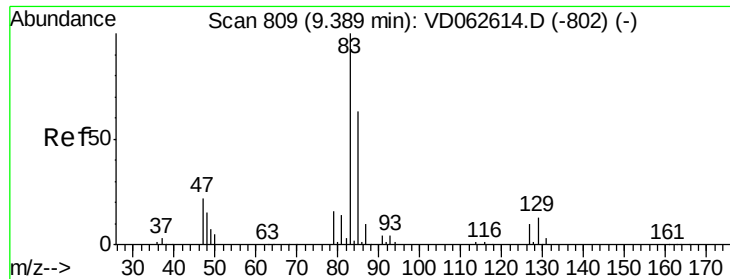


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.958 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

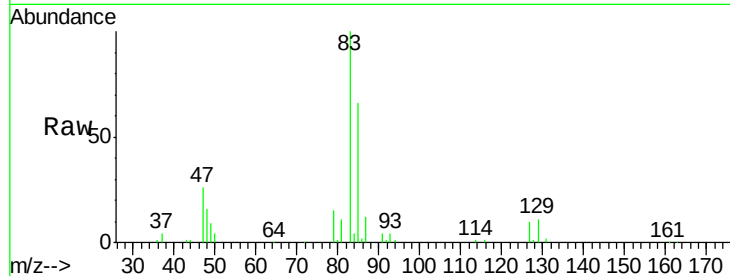
Tot Ion: 83 Resp: 250571

Ion Ratio Lower Upper

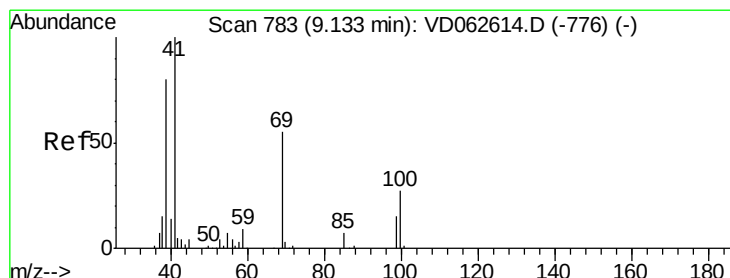
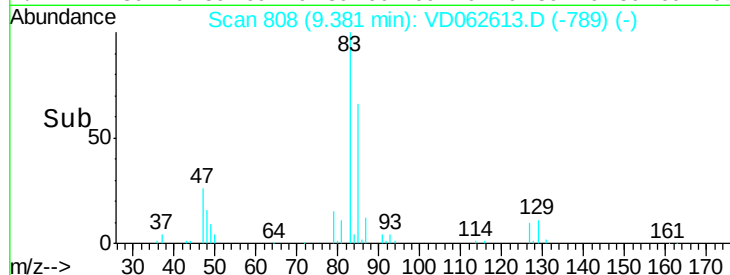
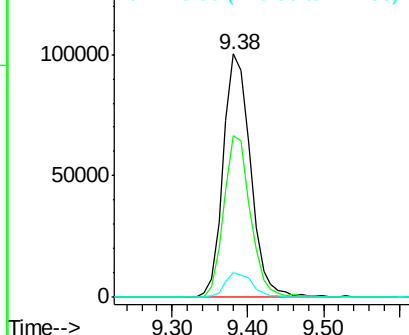
83 100

85 66.4 50.2 75.4

127 10.1 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: 19.095 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

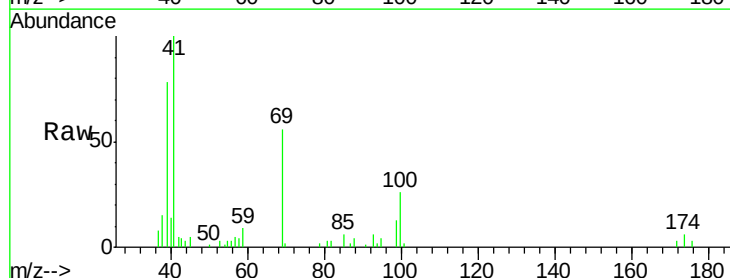
Tgt Ion: 41 Resp: 82149

Ion Ratio Lower Upper

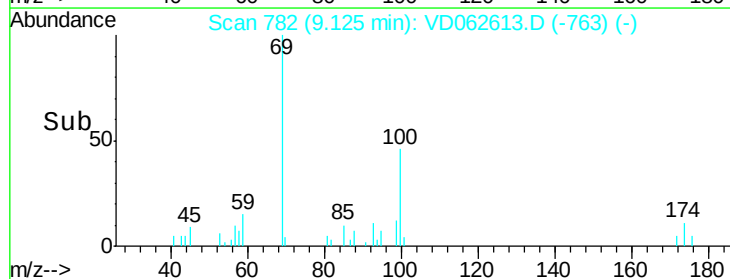
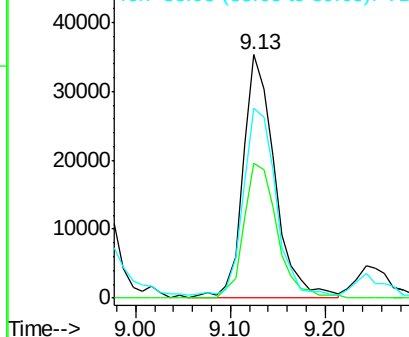
41 100

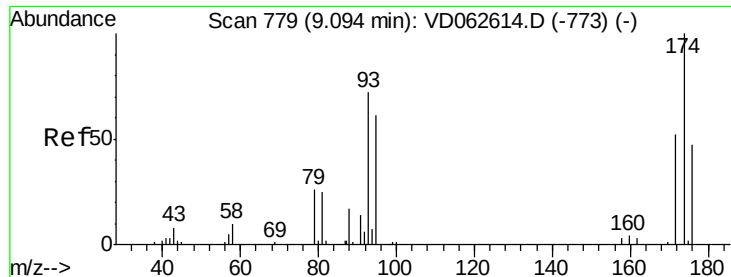
69 55.6 43.8 65.8

39 77.9 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

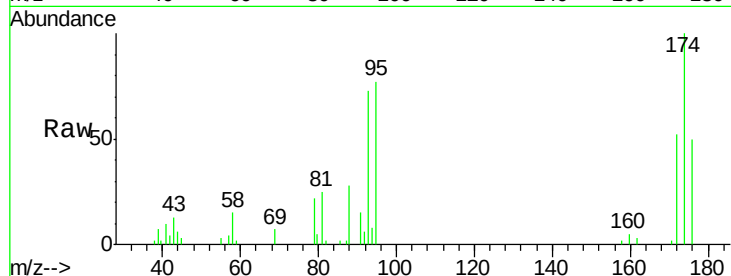




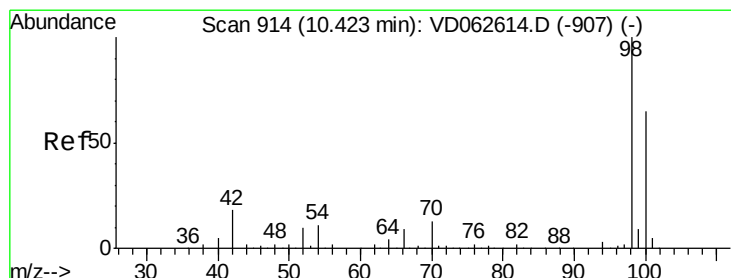
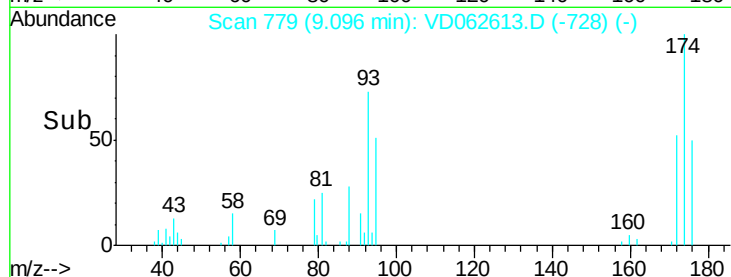
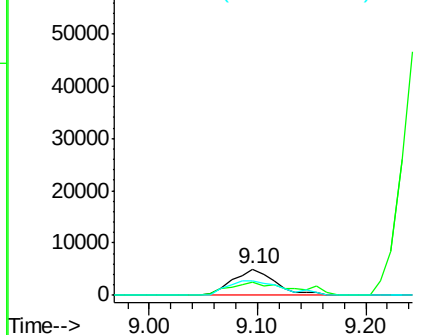
#49
1,4-Dioxane
Concen: 401.493 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 13708
Ion Ratio Lower Upper
88 100
43 48.0 39.3 58.9
58 55.9 45.3 67.9

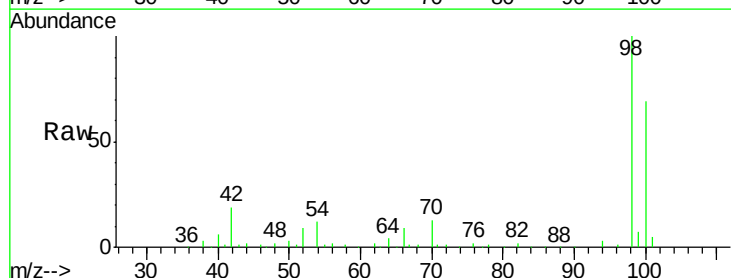


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

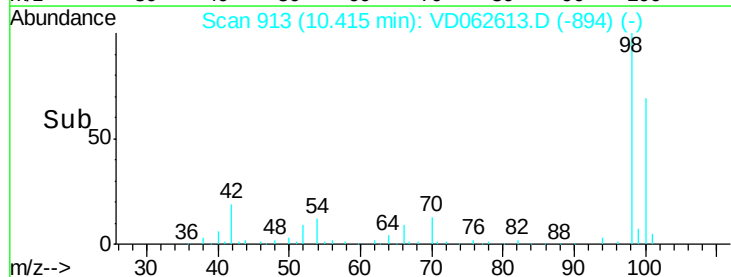
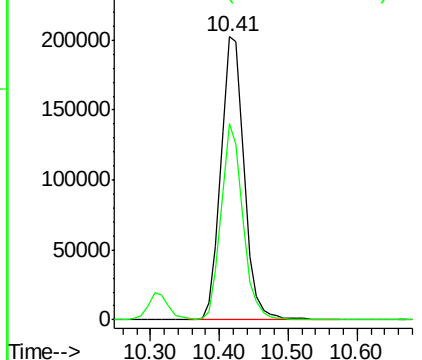


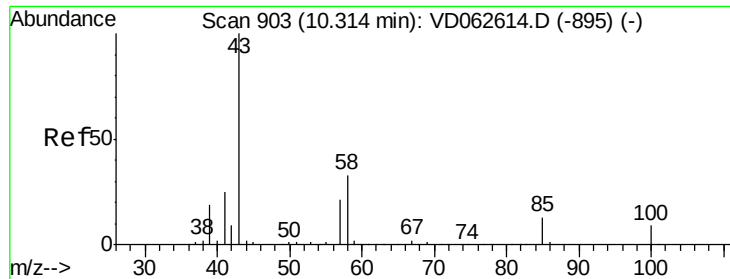
#50
Toluene-d8
Concen: 20.341 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 98 Resp: 472424
Ion Ratio Lower Upper
98 100
100 69.2 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: 94.444 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

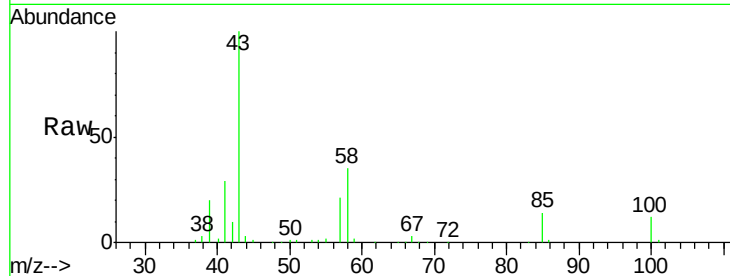
VSTDIC020

Tot Ion: 43 Resp: 389013

Ion Ratio Lower Upper

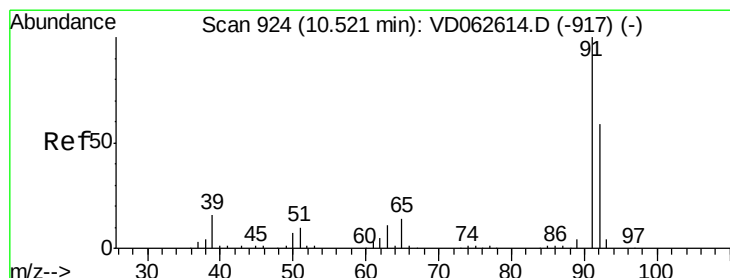
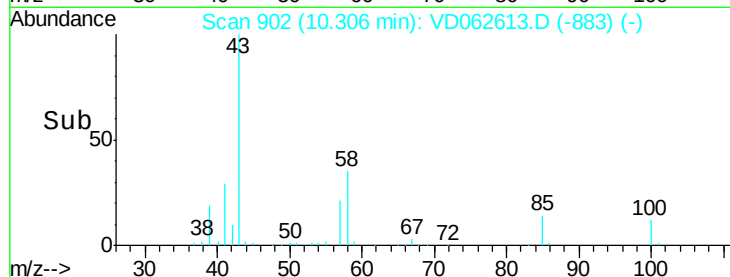
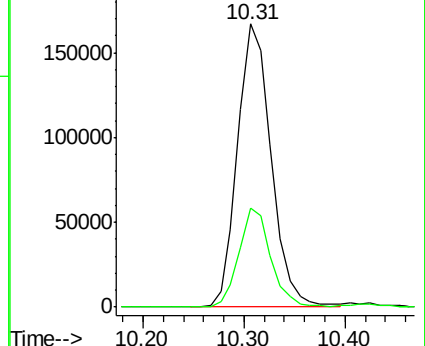
43 100

58 34.8 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: 19.207 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062613.D

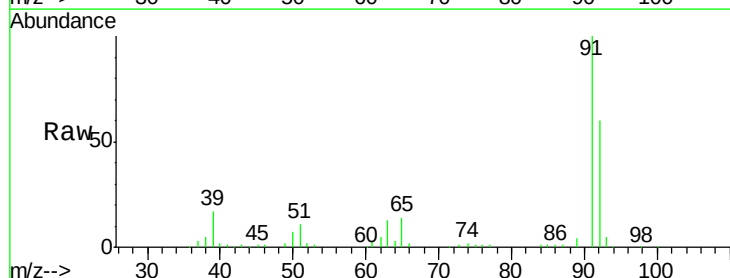
Acq: 5 Jun 2019 15:13

Tgt Ion: 92 Resp: 286962

Ion Ratio Lower Upper

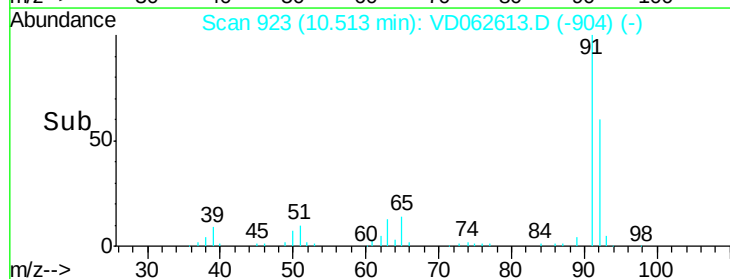
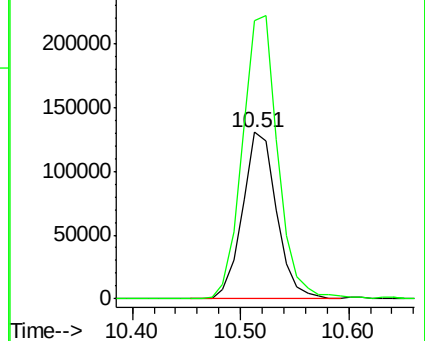
92 100

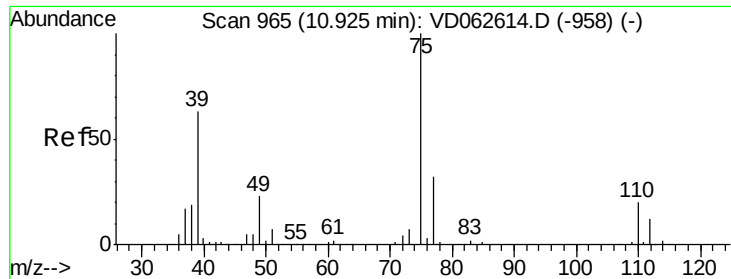
91 166.8 134.7 202.1



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: 19.355 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

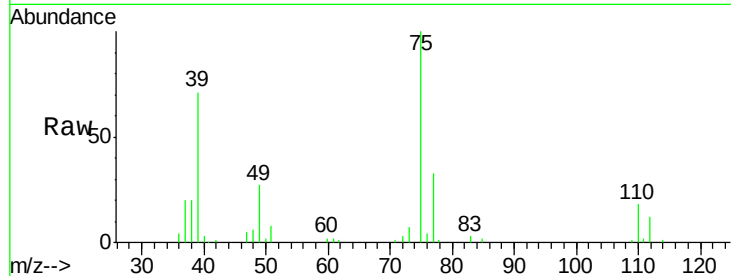
VSTDIC020

Tot Ion: 75 Resp: 212414

Ion Ratio Lower Upper

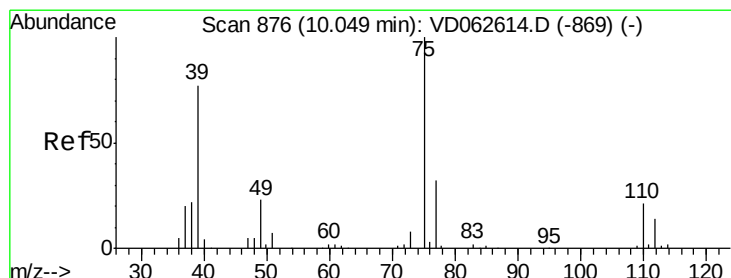
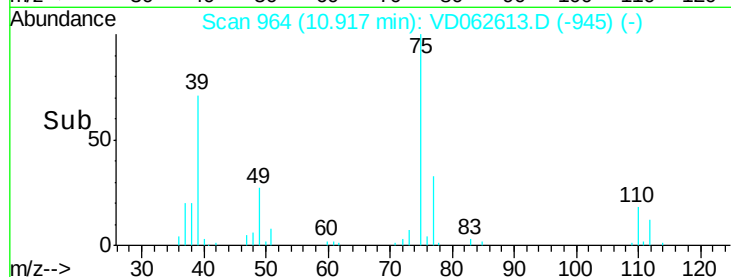
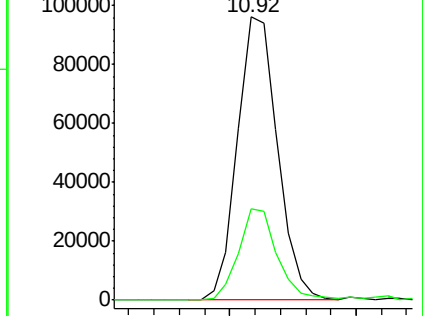
75 100

77 32.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.020 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

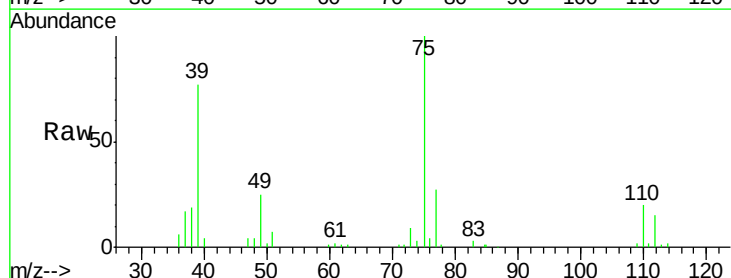
Tgt Ion: 75 Resp: 223742

Ion Ratio Lower Upper

75 100

77 27.1 25.6 38.4

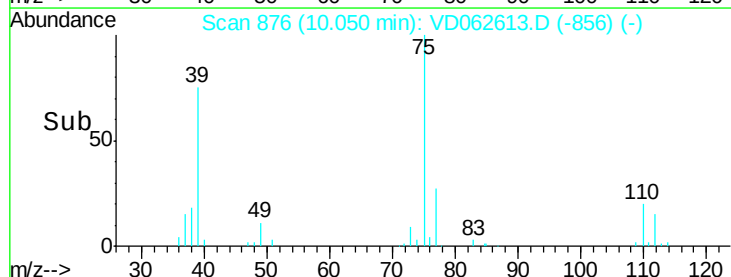
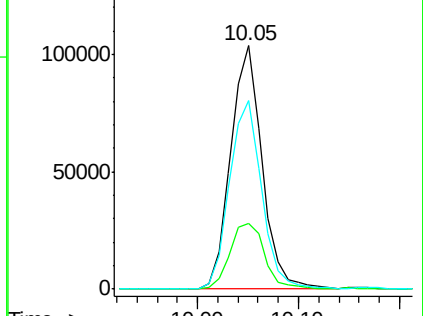
39 77.4 61.2 91.8

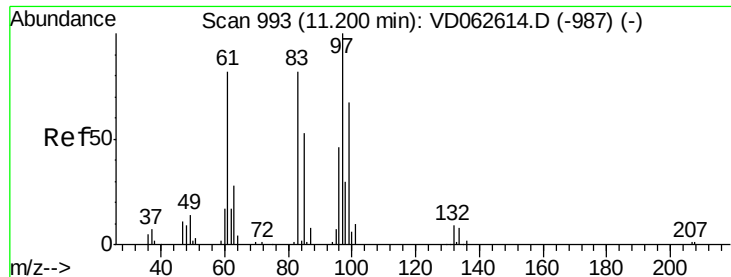


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 19.195 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 98389

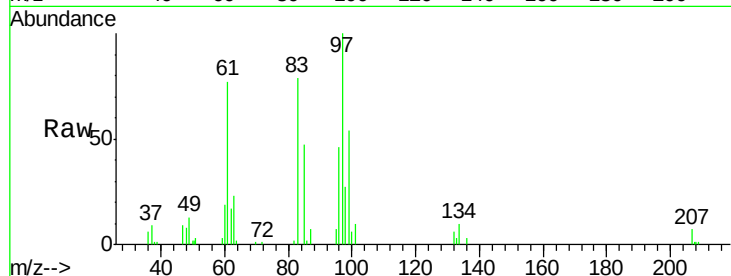
Ion Ratio Lower Upper

97 100

83 79.2 65.9 98.9

85 47.0 42.6 63.8

99 54.3 53.4 80.2

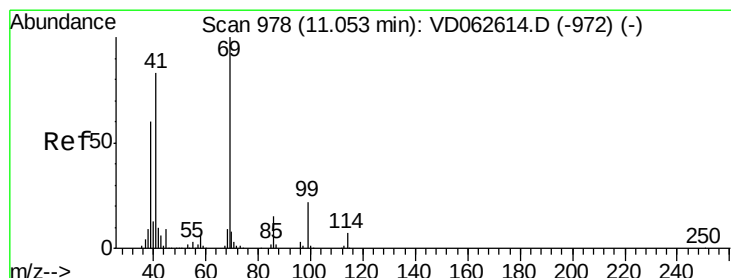
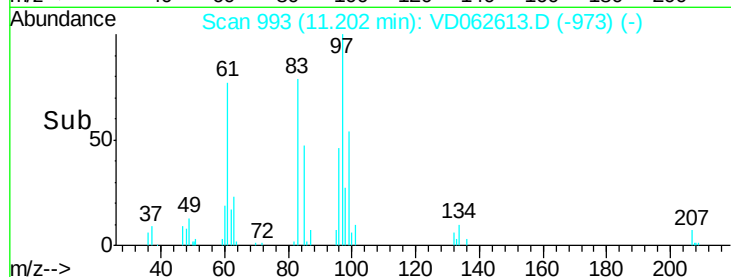
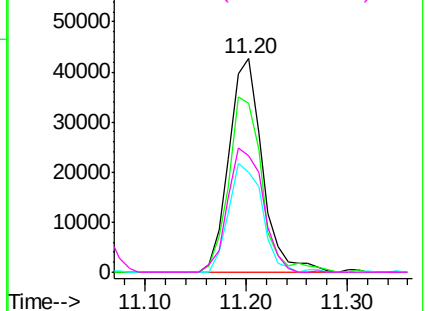


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 18.422 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

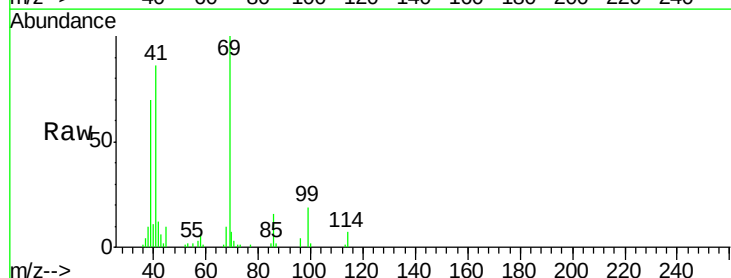
Tgt Ion: 69 Resp: 105242

Ion Ratio Lower Upper

69 100

41 86.1 66.3 99.5

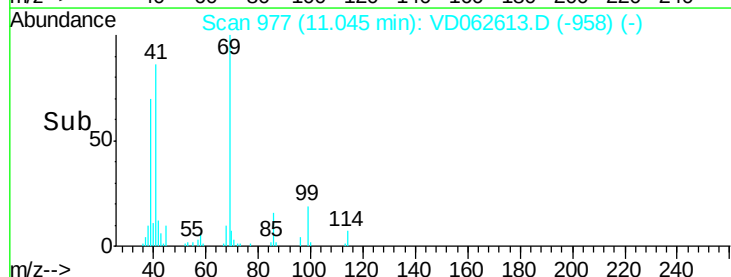
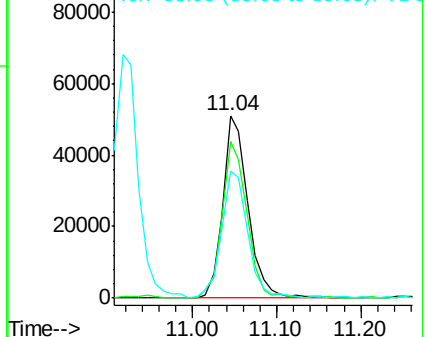
39 69.6 48.3 72.5

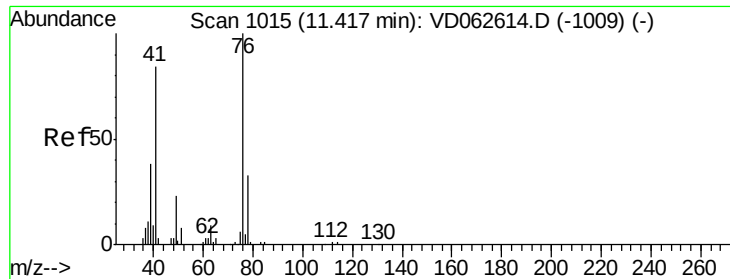


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.463 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

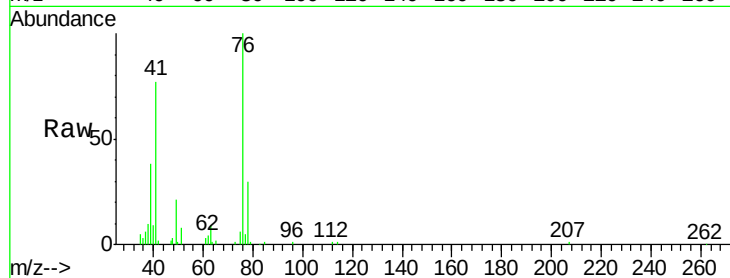
VSTDIC020

Tot Ion: 76 Resp: 147762

Ion Ratio Lower Upper

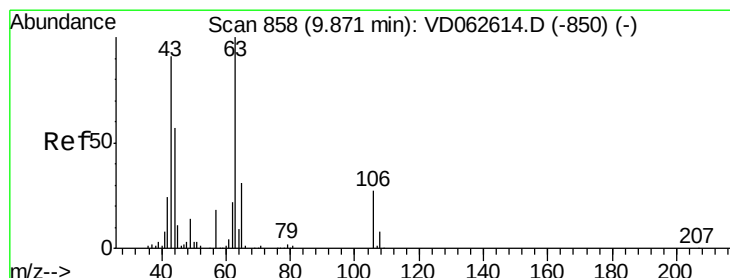
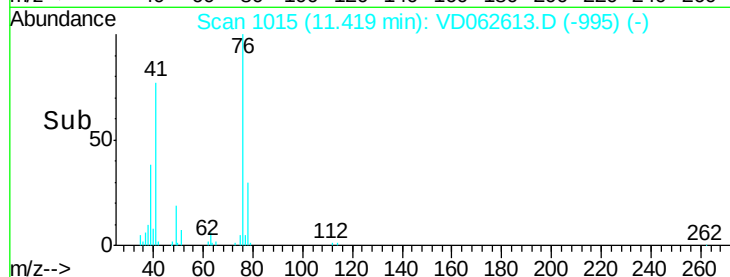
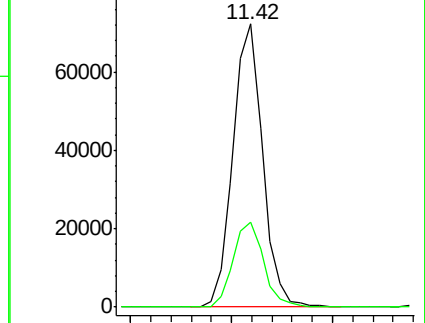
76 100

78 30.0 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 112.380 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.01 min

Lab File: VD062613.D

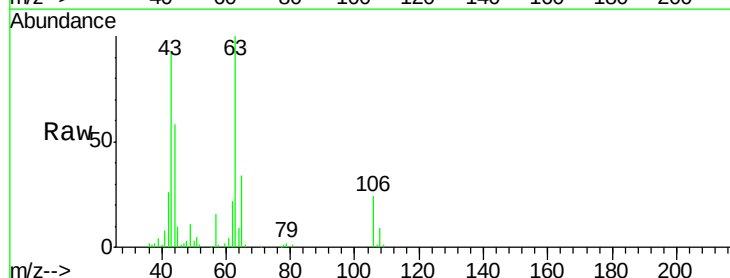
Acq: 5 Jun 2019 15:13

Tgt Ion: 63 Resp: 329277

Ion Ratio Lower Upper

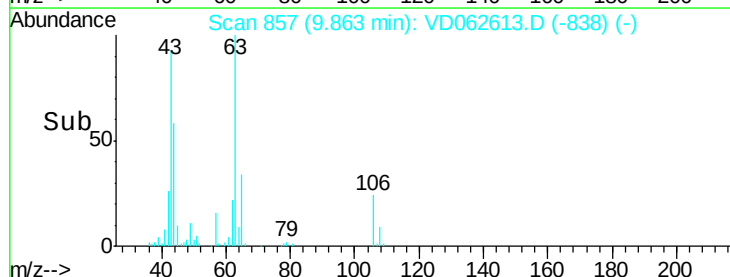
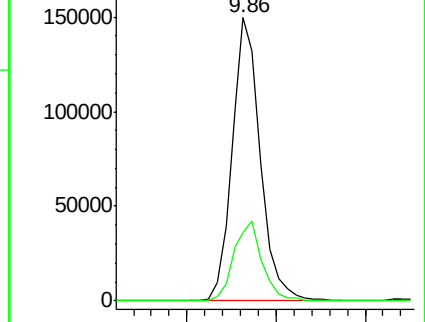
63 100

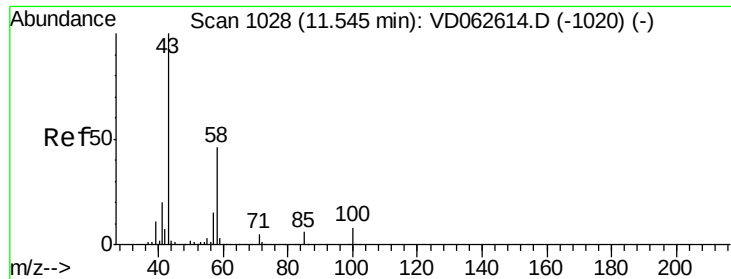
106 24.2 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

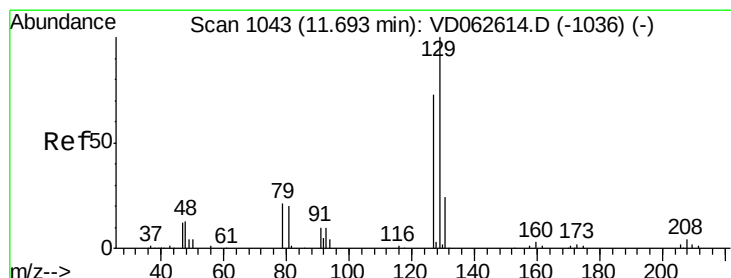
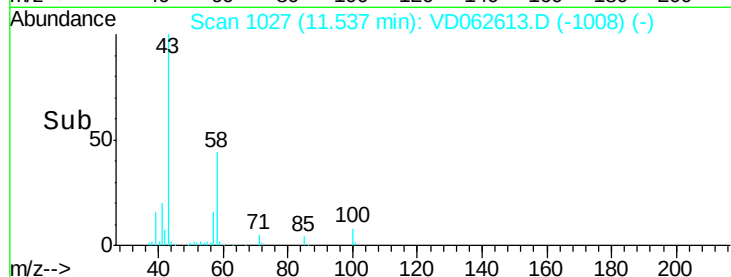
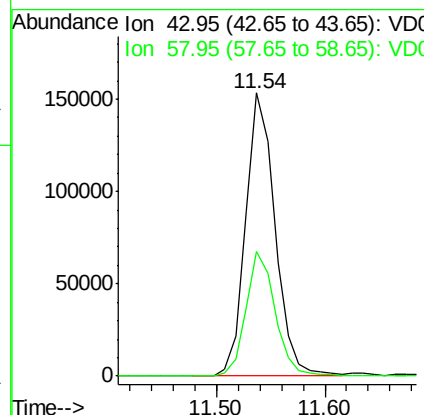
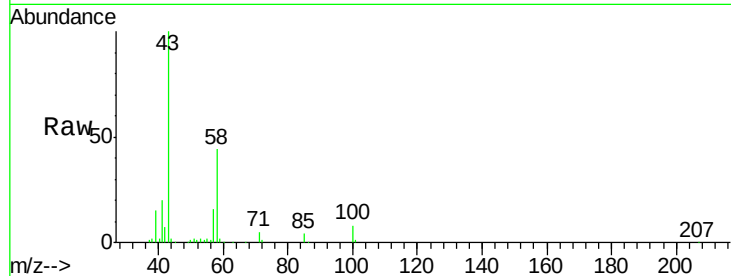




#59
2-Hexanone
Concen: 93.471 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

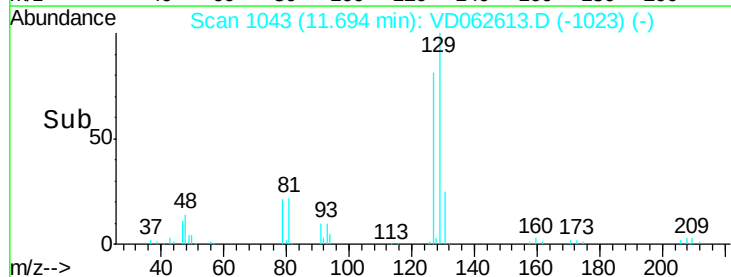
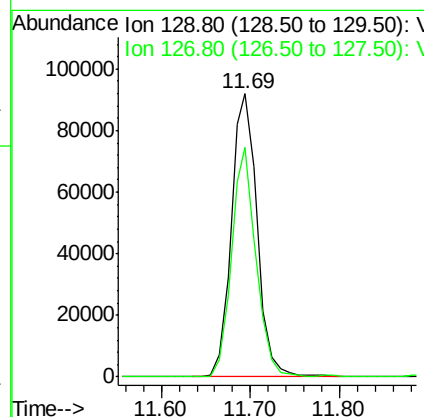
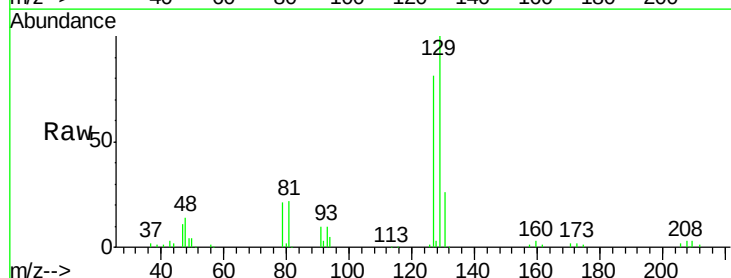
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

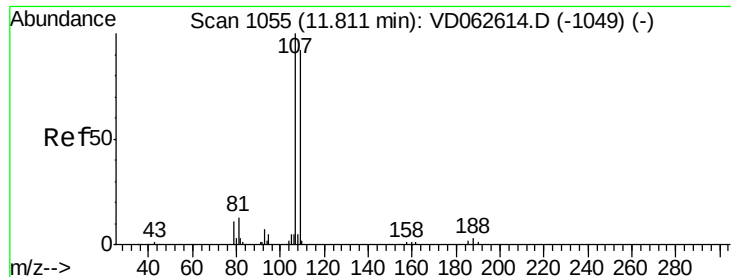
Tot Ion: 43 Resp: 291930
Ion Ratio Lower Upper
43 100
58 44.2 22.8 68.3



#60
Dibromochloromethane
Concen: 18.699 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 129 Resp: 187291
Ion Ratio Lower Upper
129 100
127 81.3 36.6 109.9





#61

1,2-Dibromoethane

Concen: 19.037 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

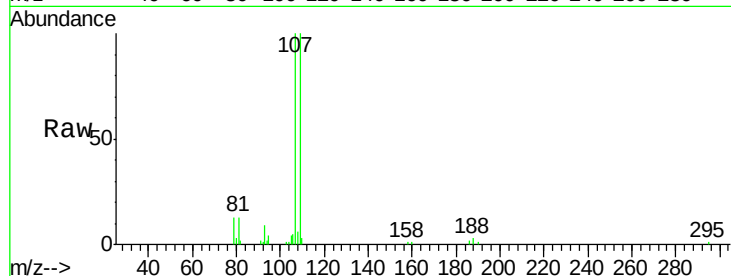
VSTDIC020

Tot Ion:107 Resp: 119518

Ion Ratio Lower Upper

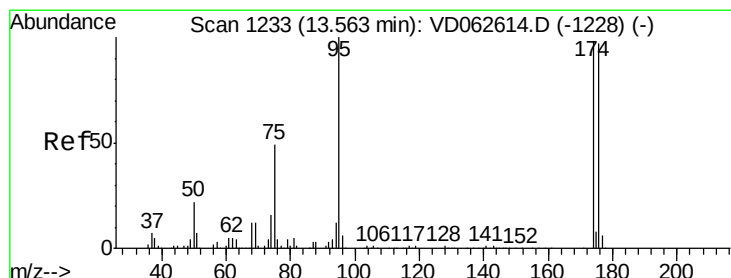
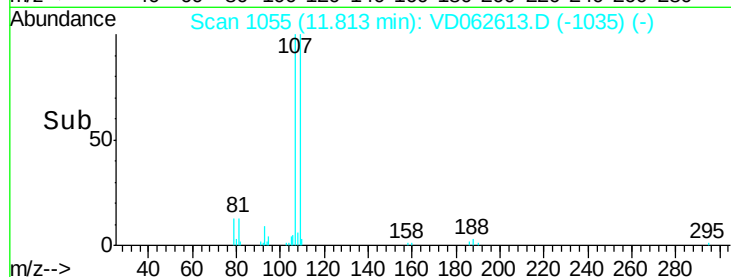
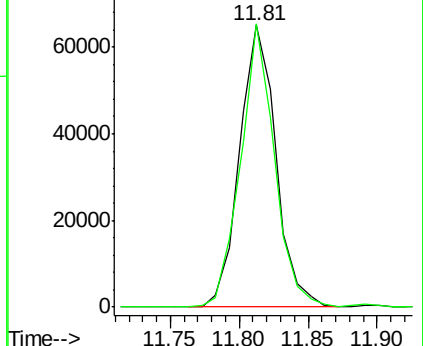
107 100

109 100.4 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.183 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

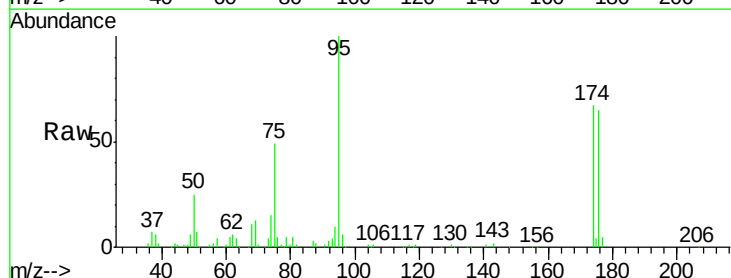
Tgt Ion: 95 Resp: 220993

Ion Ratio Lower Upper

95 100

174 67.0 0.0 195.8

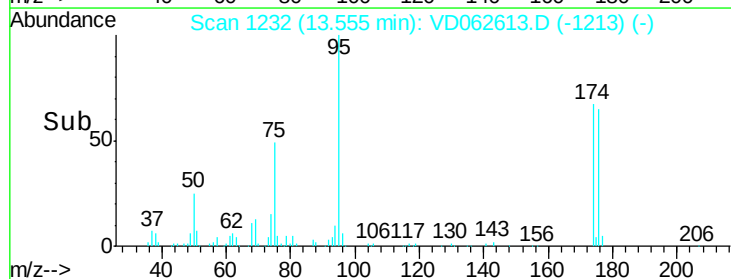
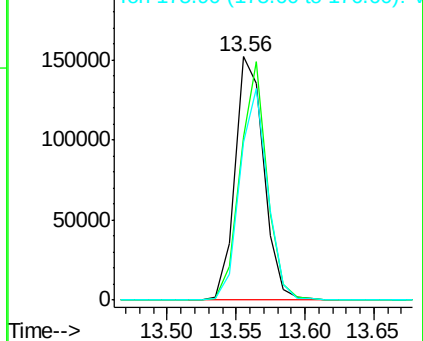
176 64.8 0.0 193.2

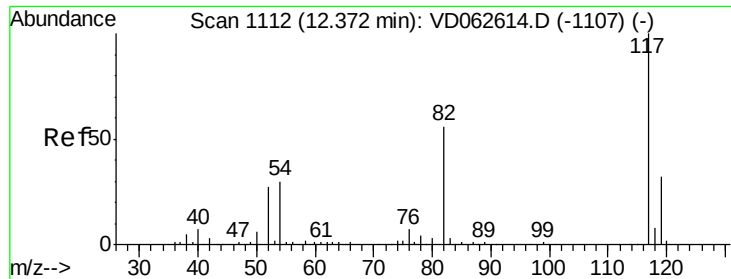


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

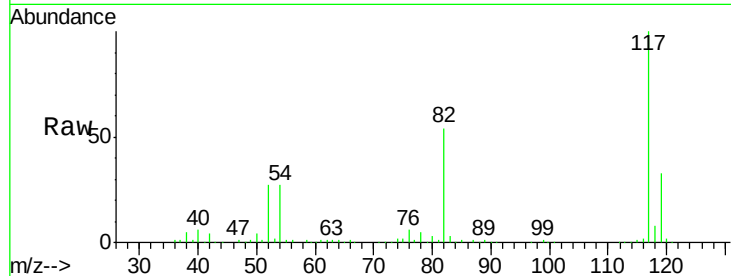




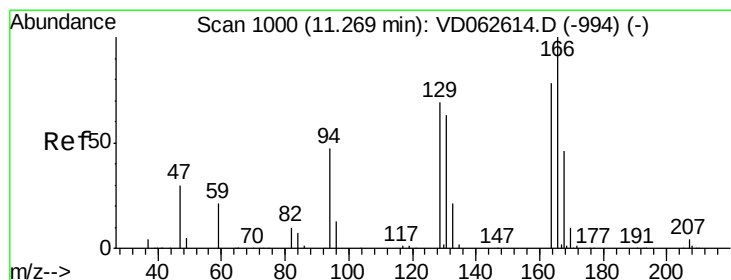
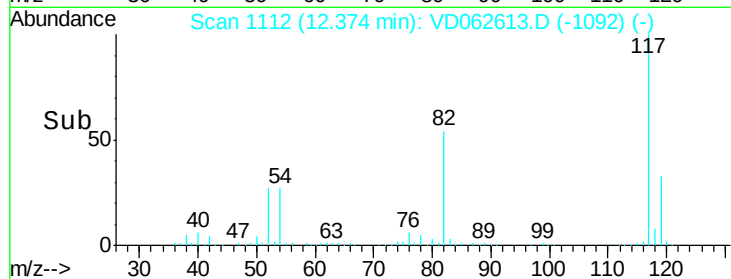
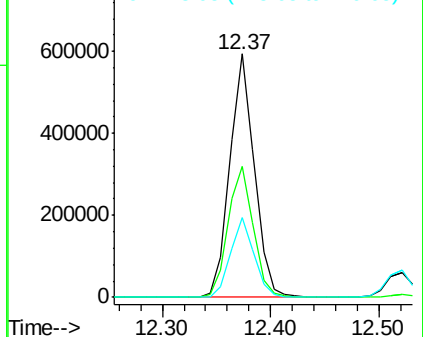
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 940232
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.6
119 32.8 25.7 38.5

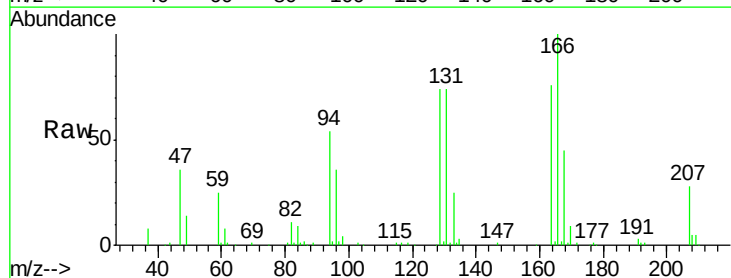


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

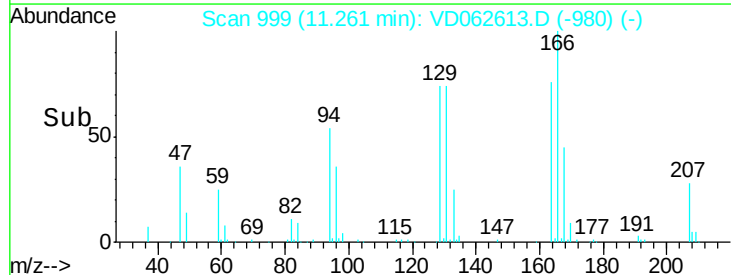
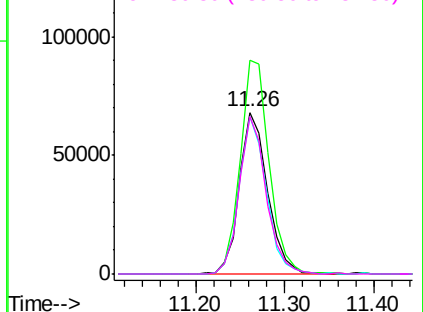


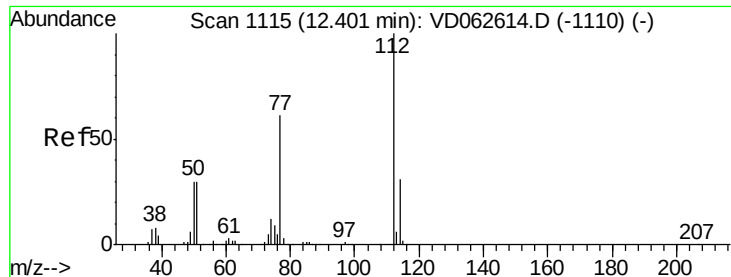
#64
Tetrachloroethene
Concen: 17.650 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion:164 Resp: 149872
Ion Ratio Lower Upper
164 100
166 132.1 102.6 153.8
129 97.7 70.3 105.5
131 97.6 65.0 97.6#



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

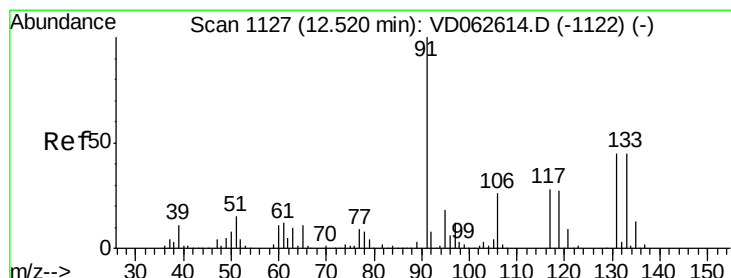
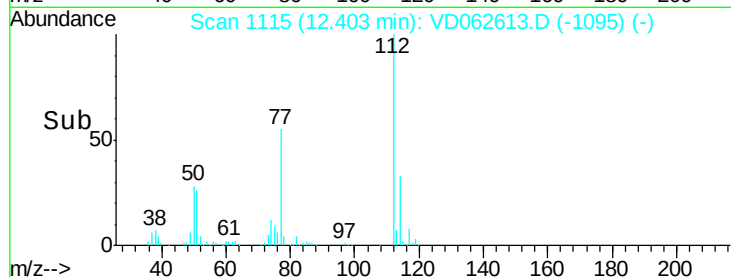
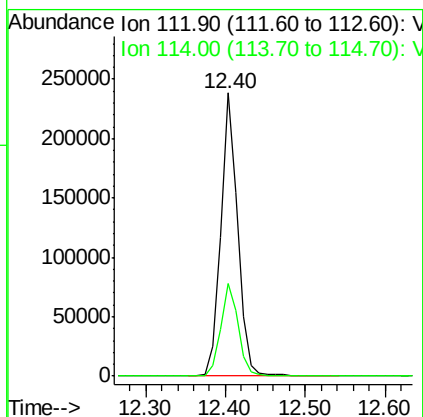
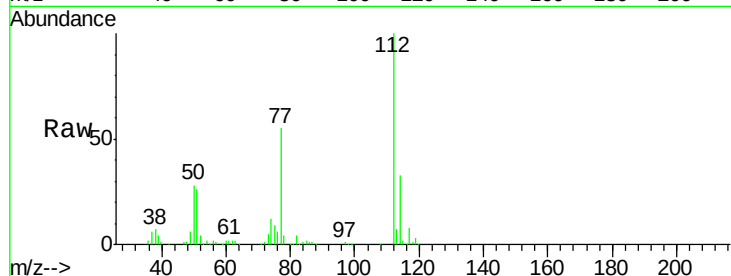




#65
Chlorobenzene
Concen: 18.334 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

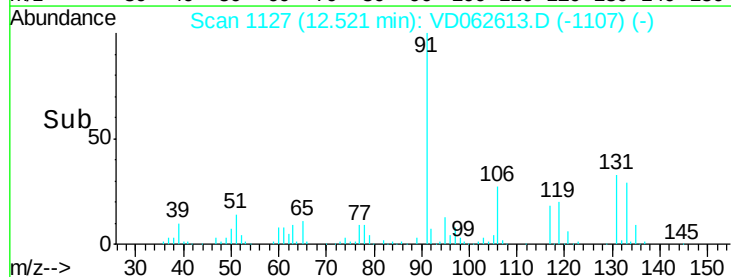
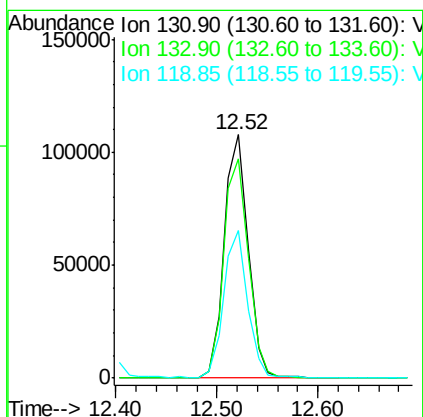
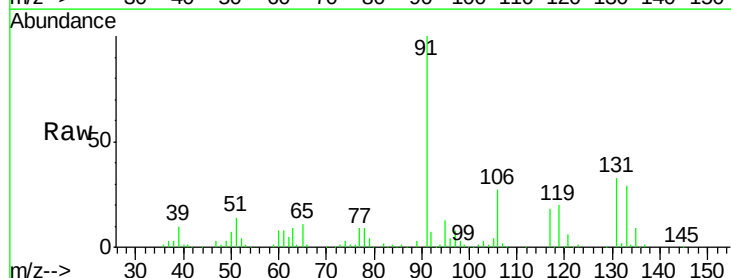
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

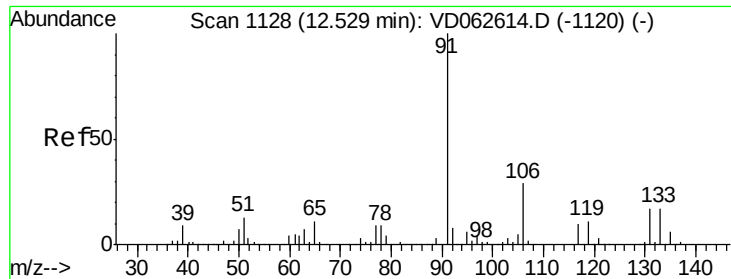
Tot Ion:112 Resp: 358191
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 18.971 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion:131 Resp: 178172
Ion Ratio Lower Upper
131 100
133 90.2 50.1 150.4
119 60.5 30.1 90.3

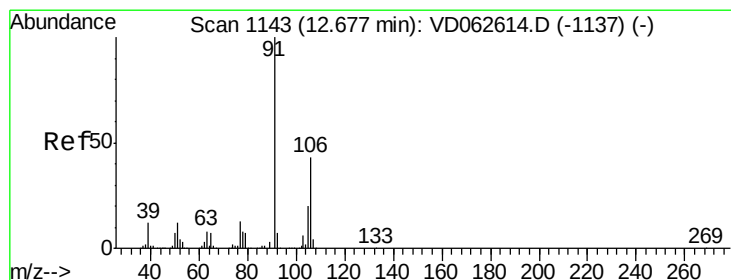
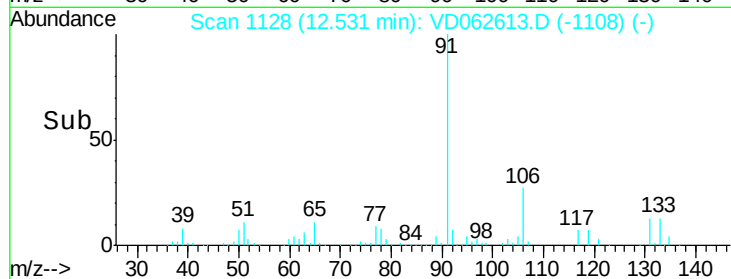
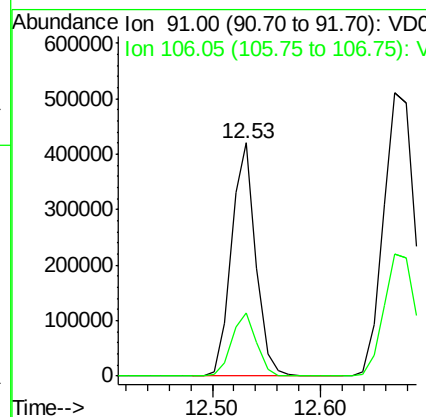
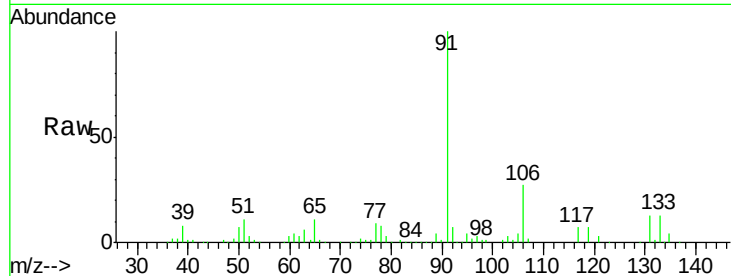




#67
Ethyl Benzene
Concen: 18.507 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

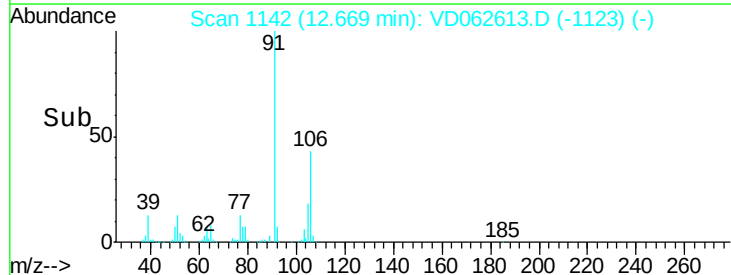
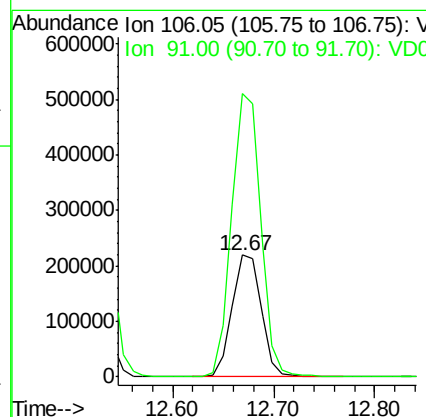
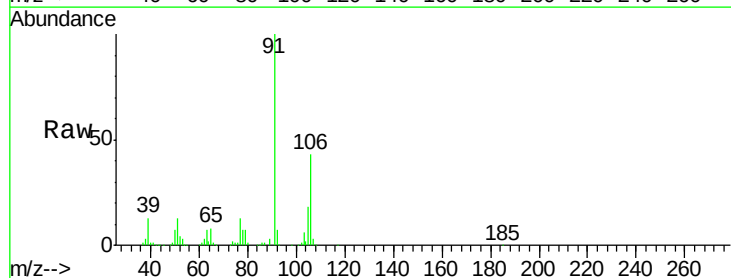
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

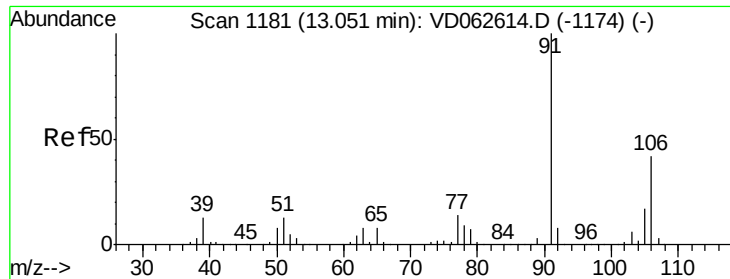
Tot Ion: 91 Resp: 653533
Ion Ratio Lower Upper
91 100
106 26.9 23.0 34.4



#68
m/p-Xylenes
Concen: 35.811 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion: 106 Resp: 441090
Ion Ratio Lower Upper
106 100
91 232.3 184.1 276.1

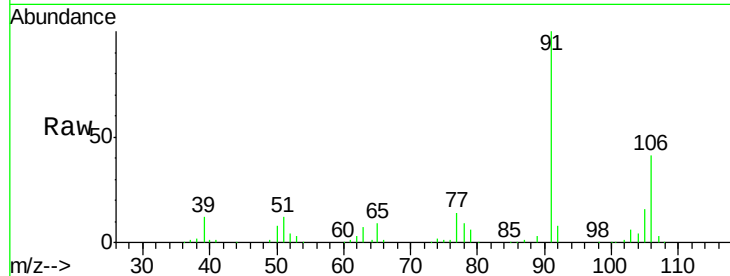




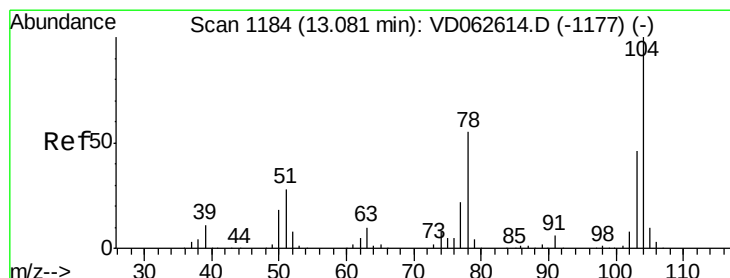
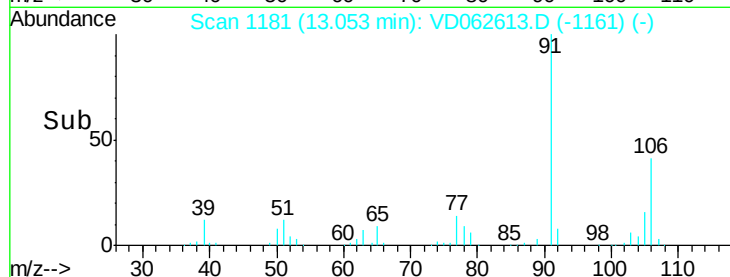
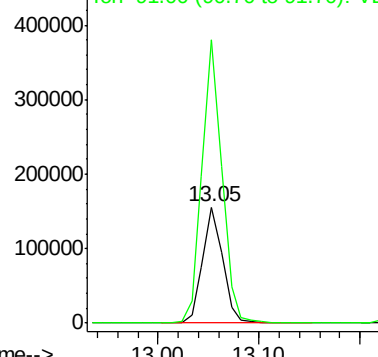
#69
o-Xylene
Concen: 18.204 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 216049
Ion Ratio Lower Upper
106 100
91 244.2 118.8 356.5

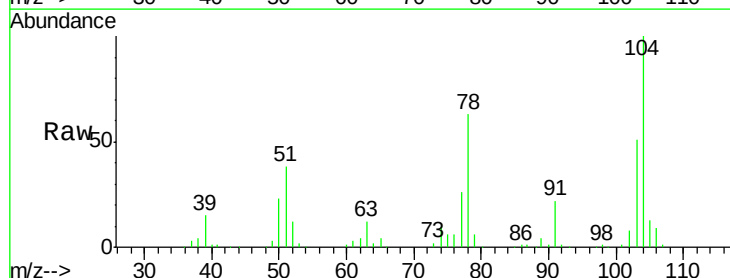


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

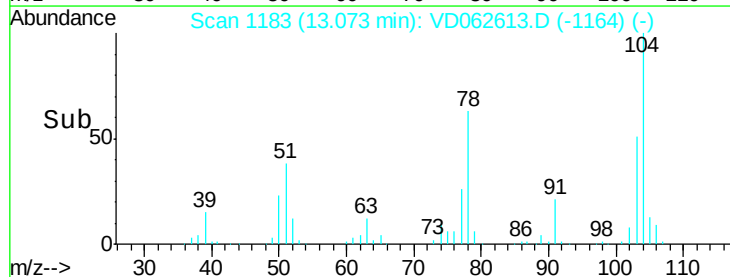
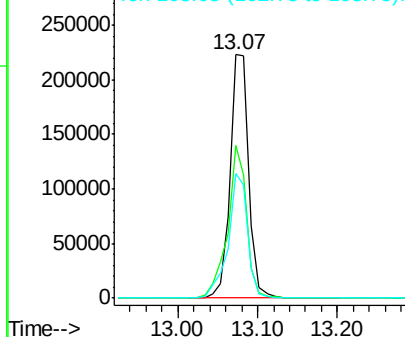


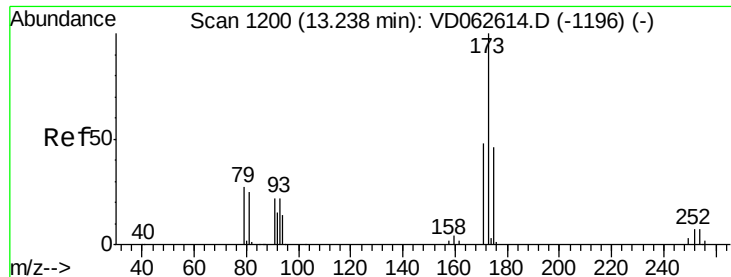
#70
Styrene
Concen: 18.381 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion:104 Resp: 366483
Ion Ratio Lower Upper
104 100
78 62.8 43.8 65.8
103 51.1 36.6 54.8



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





#71

Bromoform

Concen: 18.615 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampled :

VSTDIC020

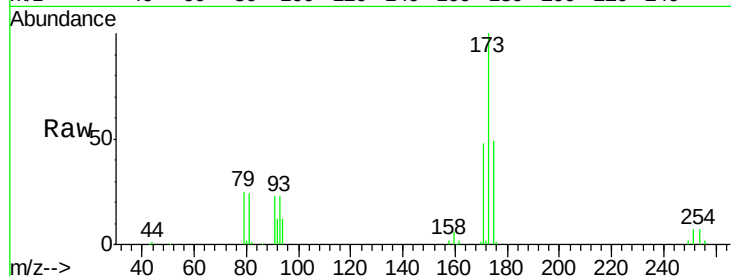
Tot Ion:173 Resp: 120750

Ion Ratio Lower Upper

173 100

175 48.6 23.2 69.5

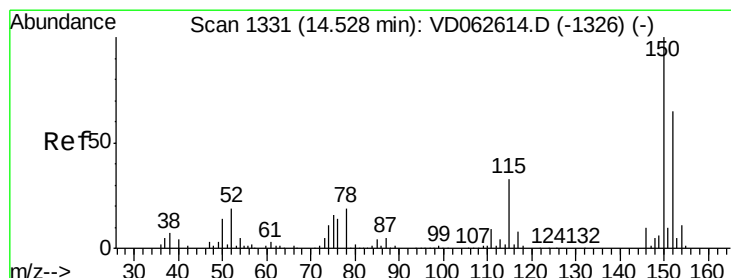
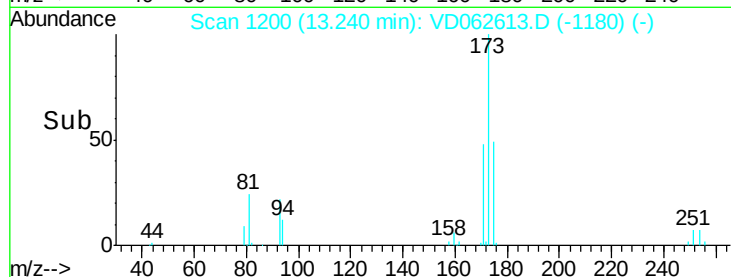
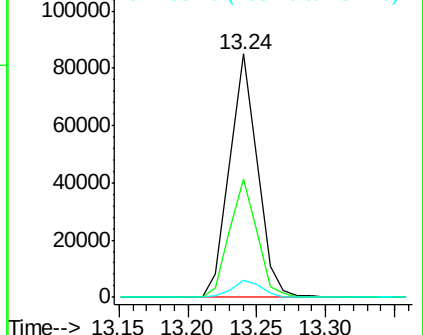
254 6.9 5.9 8.9



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. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

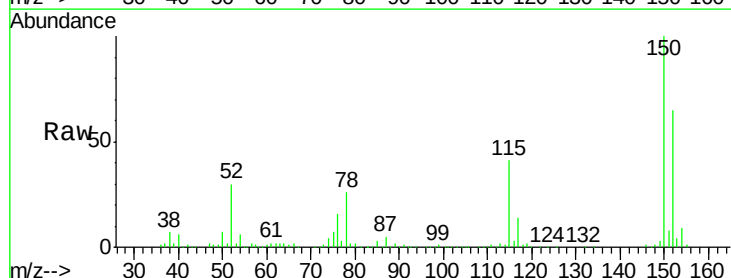
Tgt Ion:152 Resp: 507286

Ion Ratio Lower Upper

152 100

115 62.5 27.1 81.3

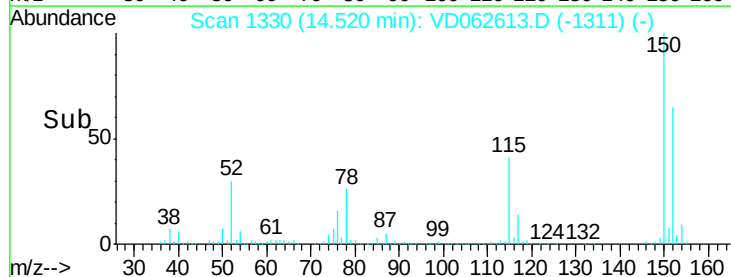
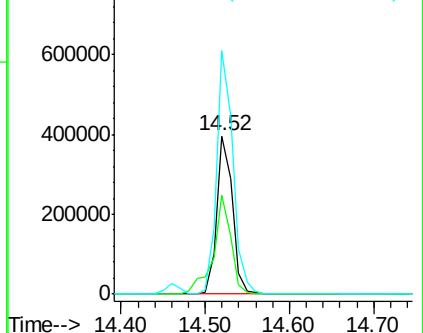
150 154.1 0.0 315.0

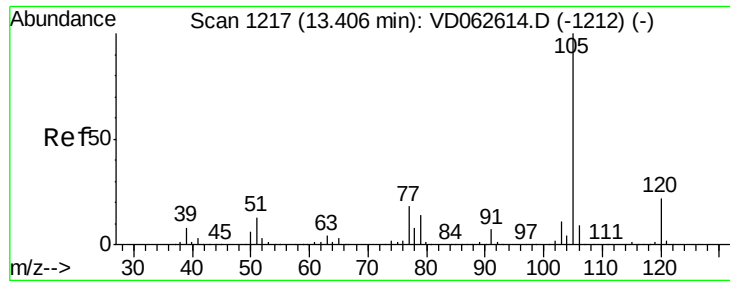


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.997 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

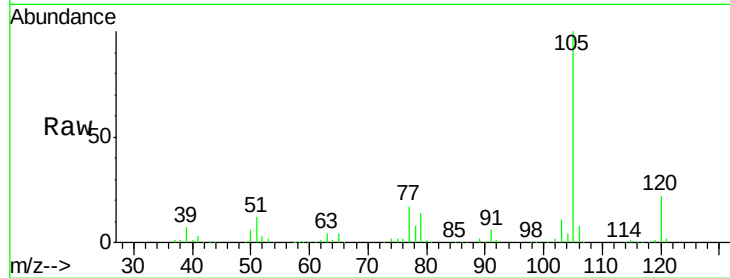
VSTDIC020

Tot Ion:105 Resp: 705364

Ion Ratio Lower Upper

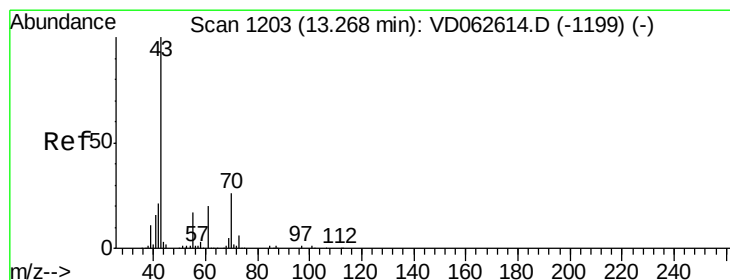
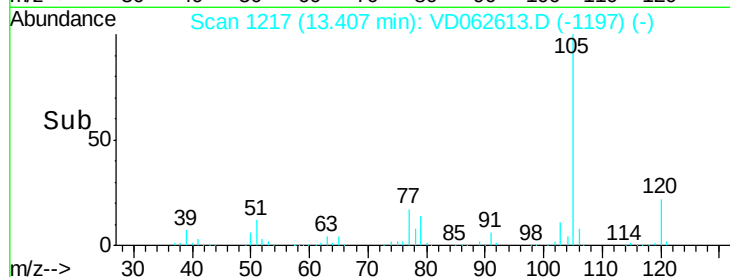
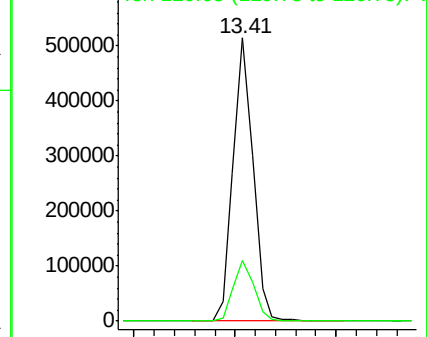
105 100

120 21.5 11.2 33.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.958 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Tgt Ion: 43 Resp: 172668

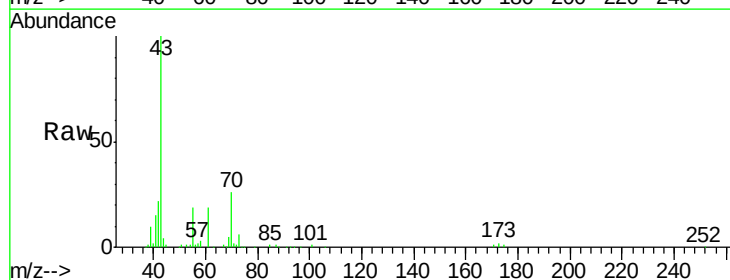
Ion Ratio Lower Upper

43 100

70 26.5 20.5 30.7

55 18.7 13.8 20.8

61 19.5 15.9 23.9

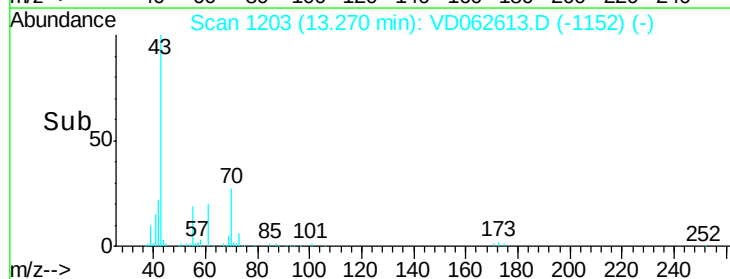
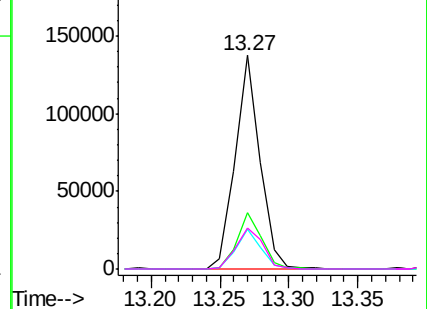


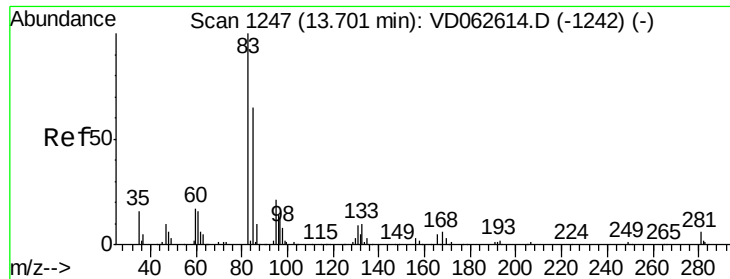
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 18.679 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

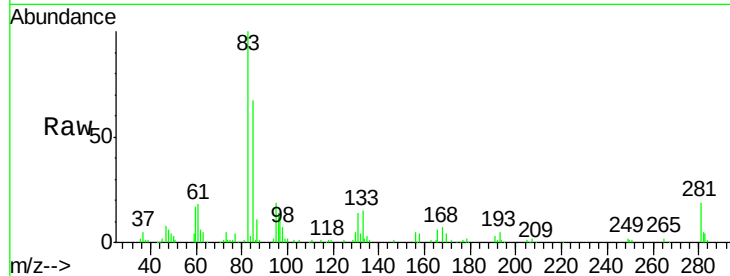
Tot Ion: 83 Resp: 110448

Ion Ratio Lower Upper

83 100

131 14.0 4.7 14.0#

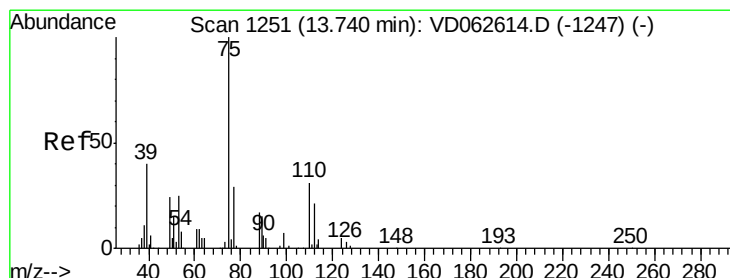
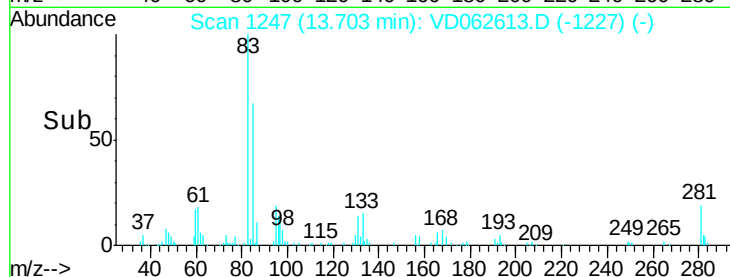
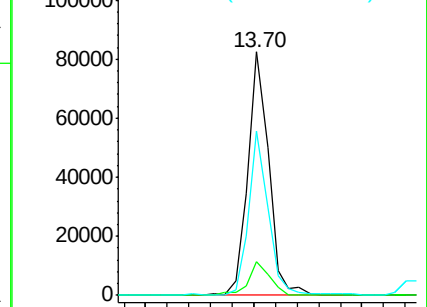
85 67.4 32.3 96.9



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: 17.903 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062613.D

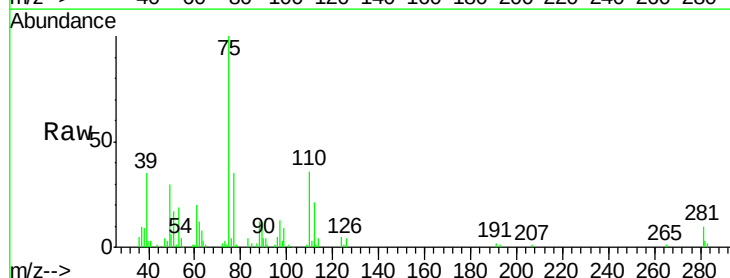
Acq: 5 Jun 2019 15:13

Tgt Ion: 75 Resp: 118468

Ion Ratio Lower Upper

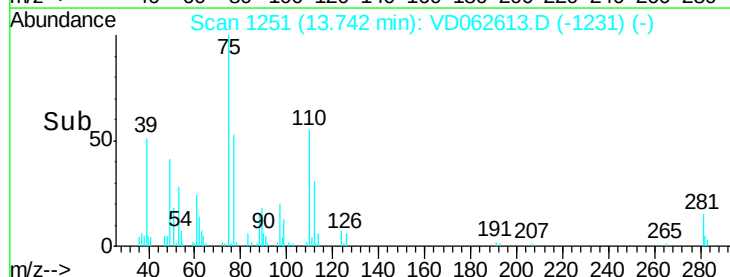
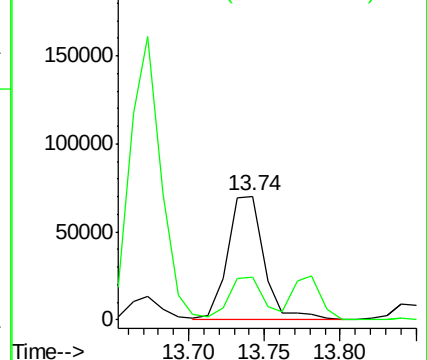
75 100

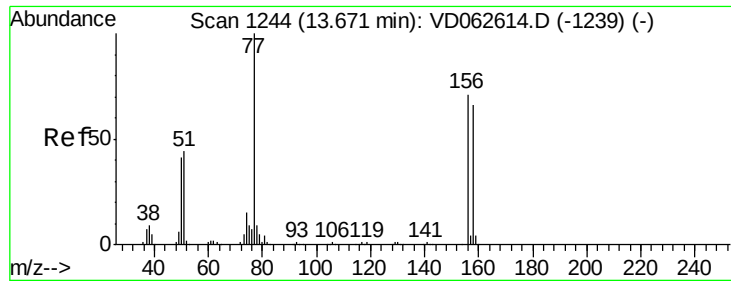
77 34.7 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.575 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

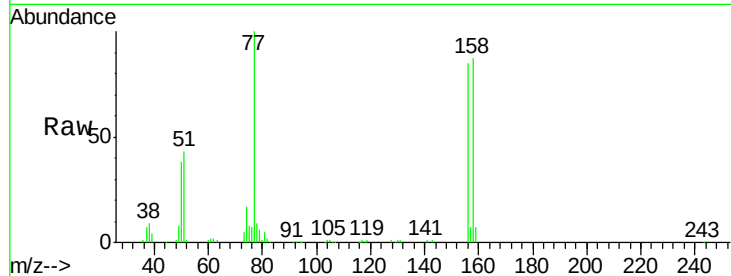
Tot Ion:156 Resp: 182240

Ion Ratio Lower Upper

156 100

77 118.2 70.5 211.5

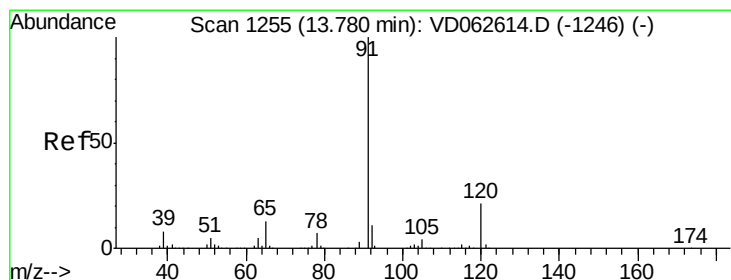
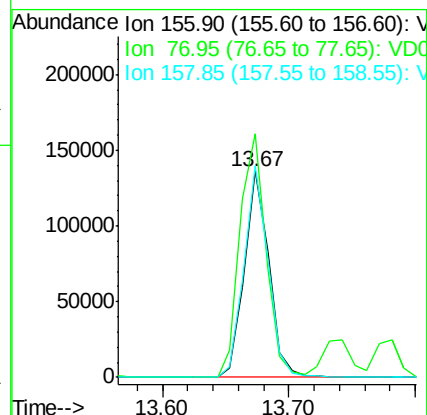
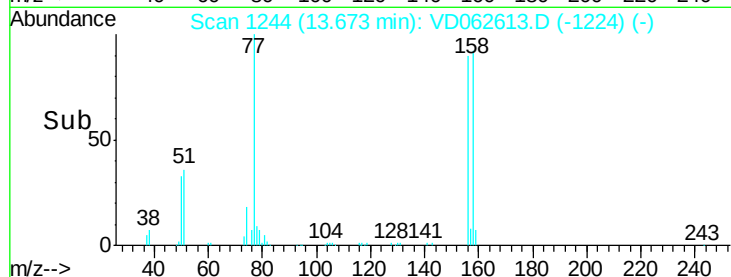
158 103.1 46.9 140.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.002 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062613.D

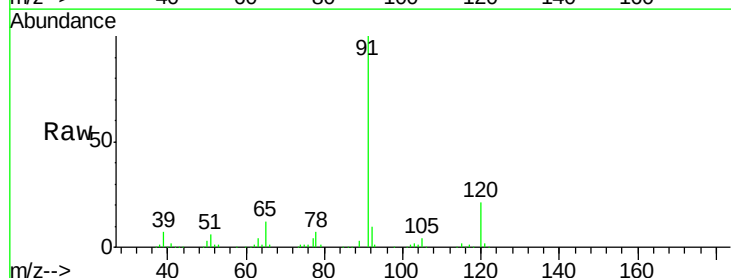
Acq: 5 Jun 2019 15:13

Tgt Ion: 91 Resp: 777308

Ion Ratio Lower Upper

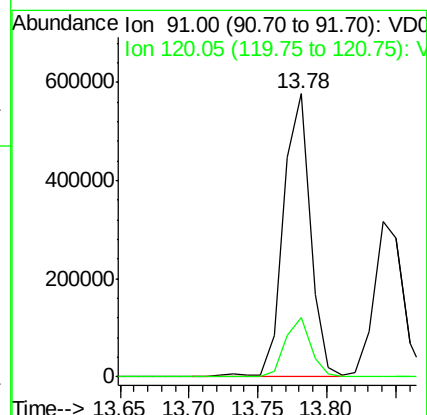
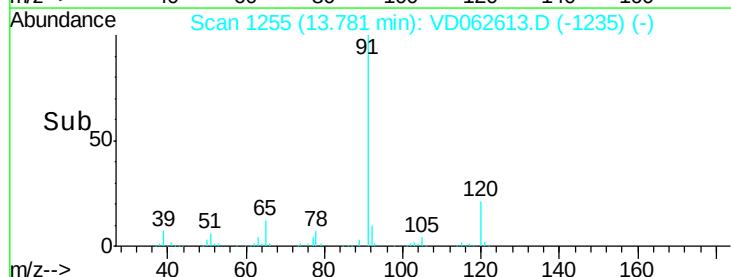
91 100

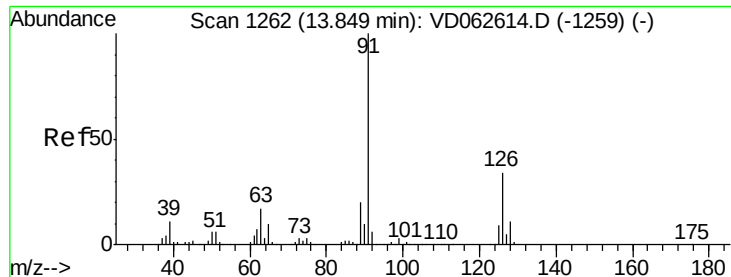
120 21.0 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

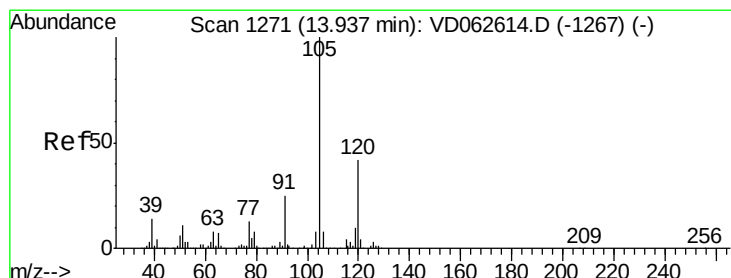
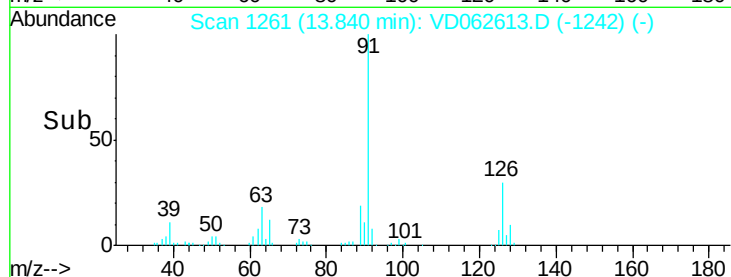
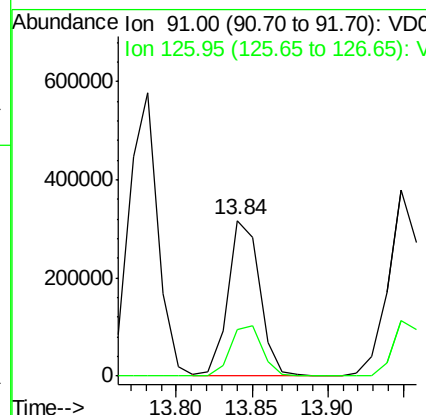
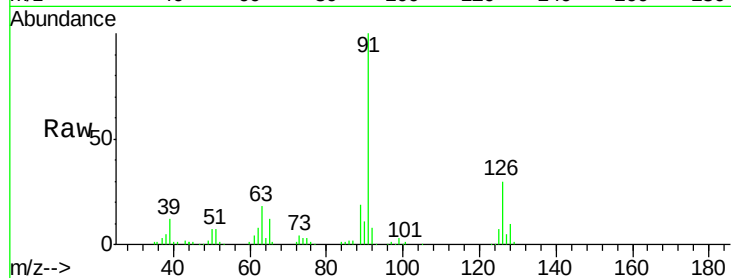




#79
 2-Chlorotoluene
 Concen: 18.741 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

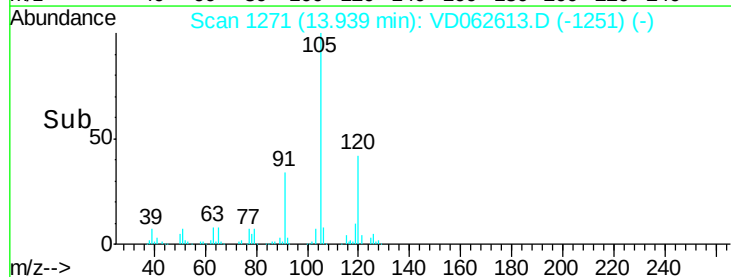
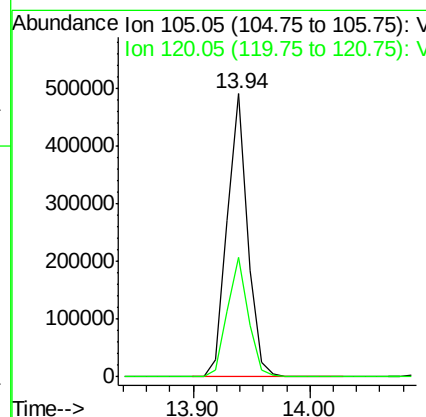
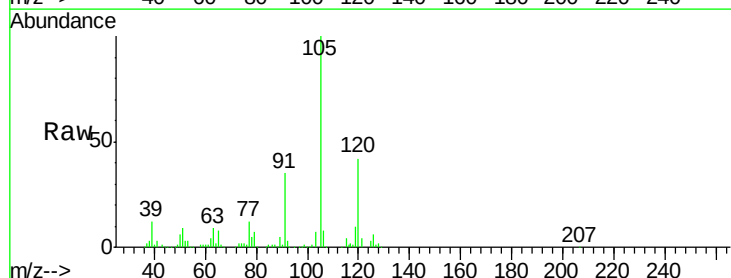
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

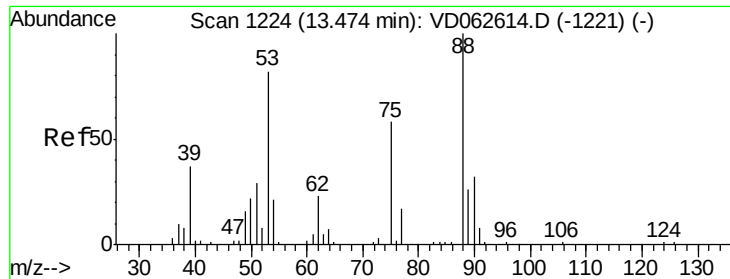
Tot Ion: 91 Resp: 464793
 Ion Ratio Lower Upper
 91 100
 126 29.6 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.650 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Tgt Ion: 105 Resp: 596511
 Ion Ratio Lower Upper
 105 100
 120 42.4 21.1 63.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.450 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

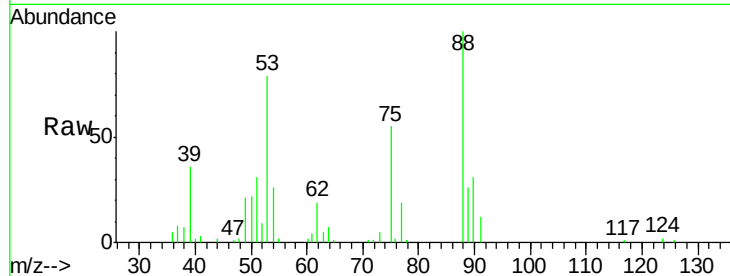
Tot Ion: 75 Resp: 31383

Ion Ratio Lower Upper

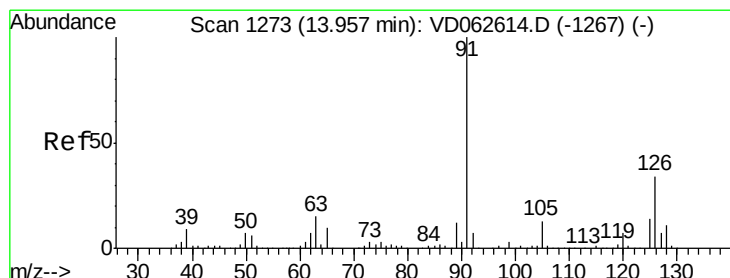
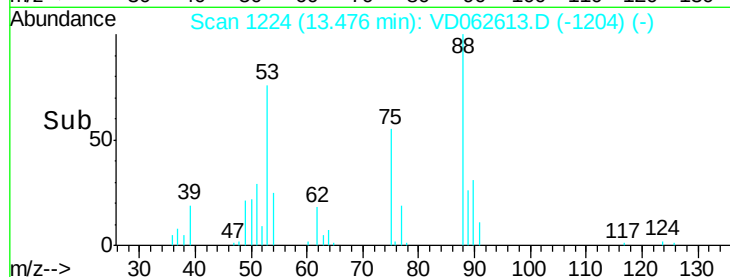
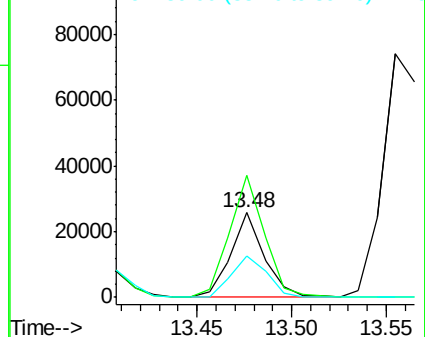
75 100

53 143.7 113.2 169.8

89 48.2 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: 18.706 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062613.D

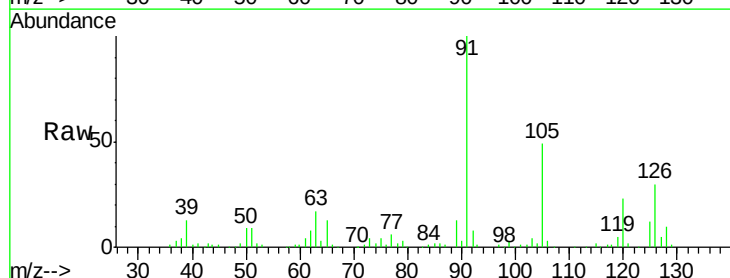
Acq: 5 Jun 2019 15:13

Tgt Ion: 91 Resp: 545915

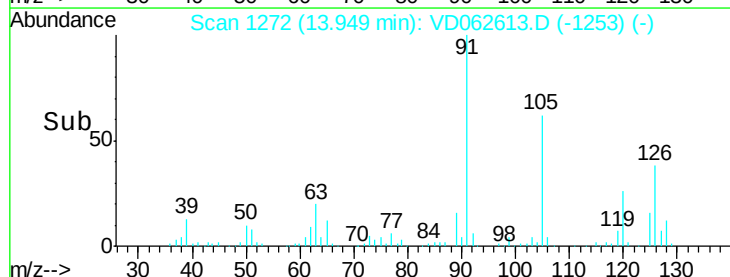
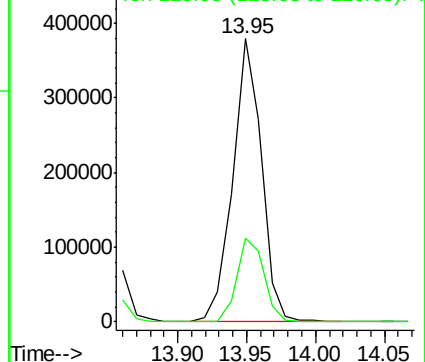
Ion Ratio Lower Upper

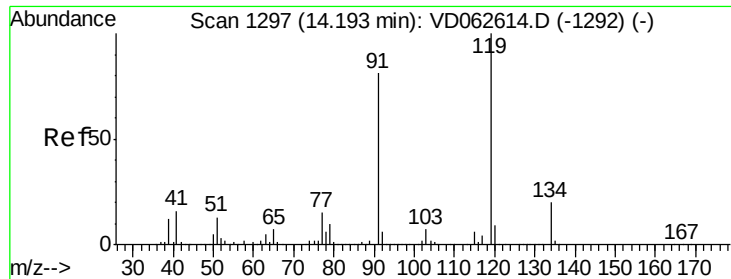
91 100

126 29.5 16.8 50.4



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

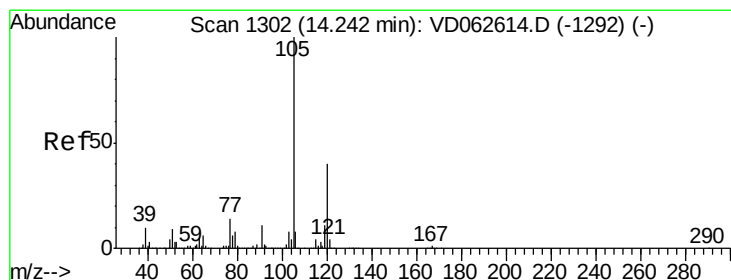
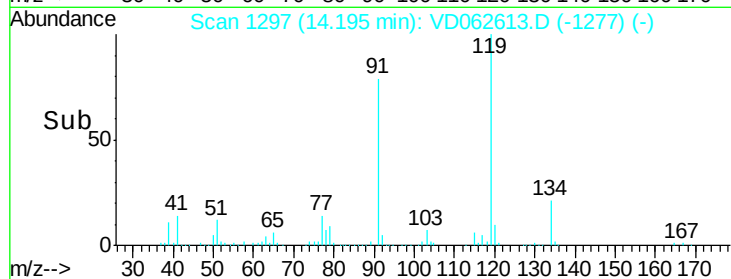
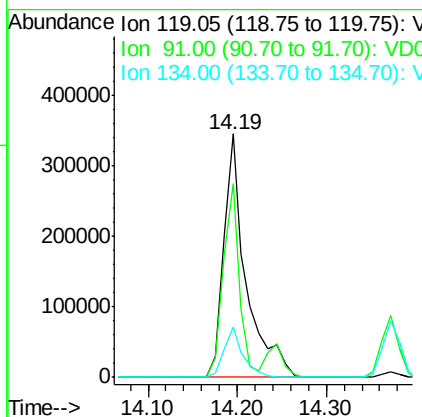
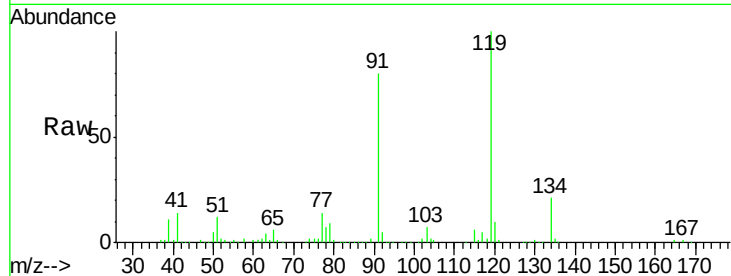




#83
 tert-Butylbenzene
 Concen: 18.133 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

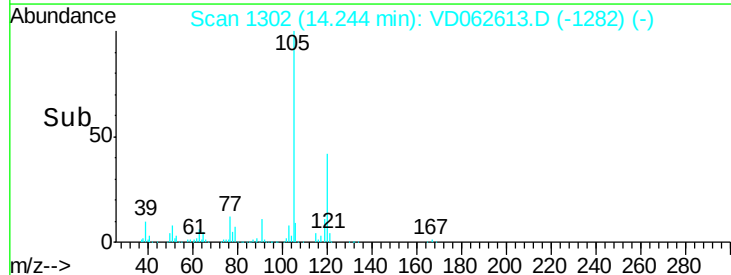
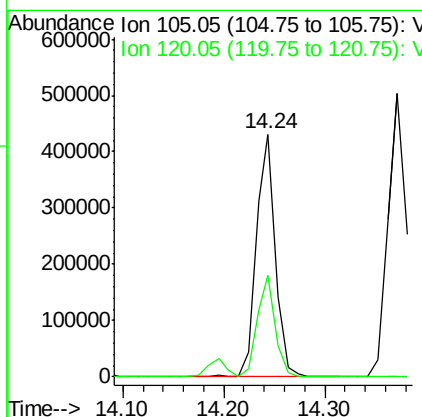
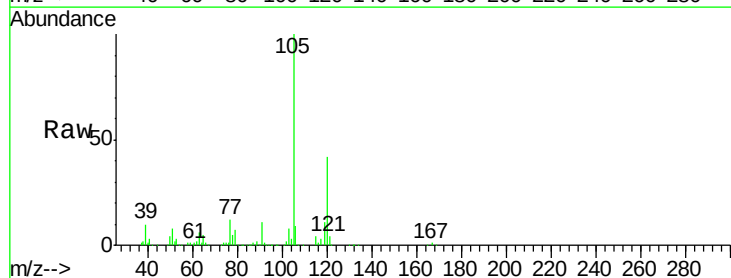
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

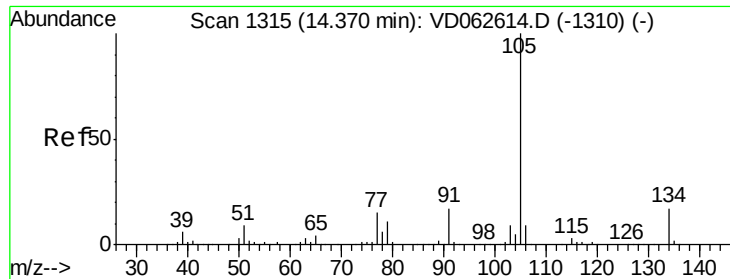
Tot Ion:119 Resp: 606130
 Ion Ratio Lower Upper
 119 100
 91 79.7 40.8 122.2
 134 20.6 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 18.260 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Tgt Ion:105 Resp: 567359
 Ion Ratio Lower Upper
 105 100
 120 41.8 19.9 59.7





#85

sec-Butylbenzene

Concen: 19.108 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

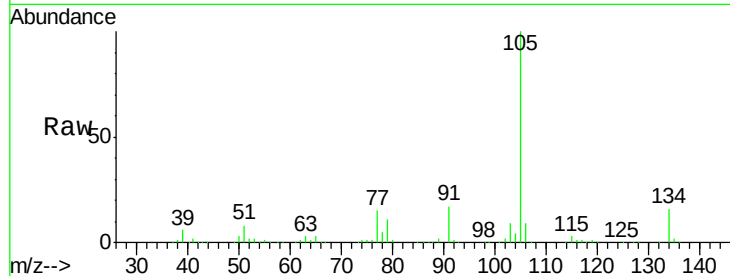
VSTDIC020

Tot Ion:105 Resp: 658122

Ion Ratio Lower Upper

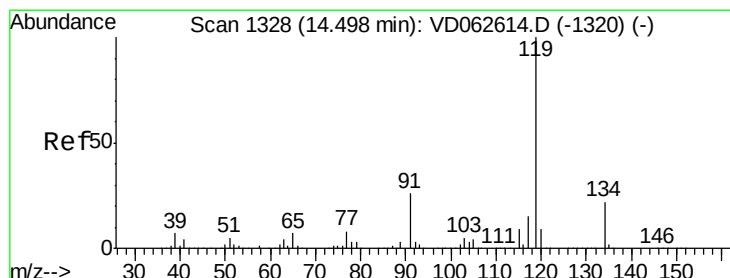
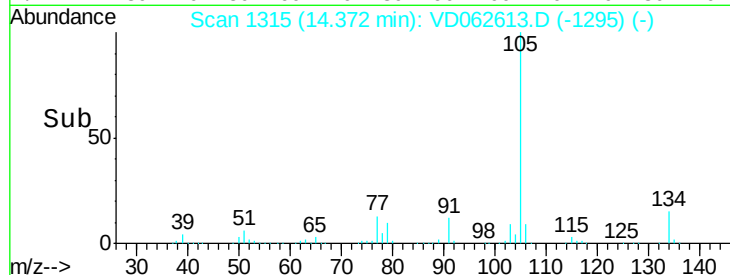
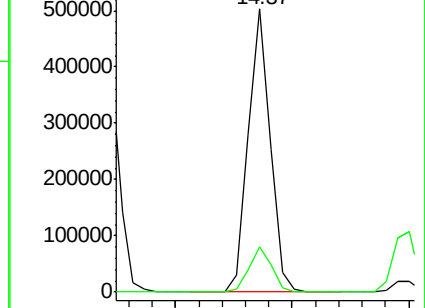
105 100

134 16.1 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.824 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

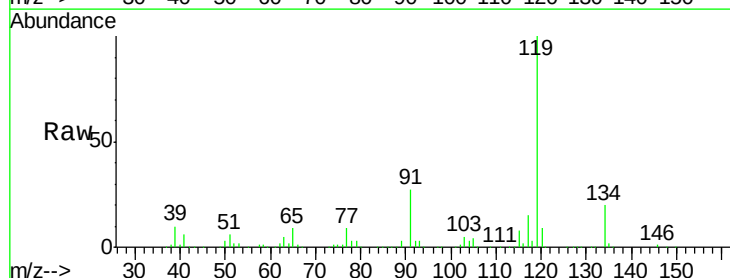
Tgt Ion:119 Resp: 689554

Ion Ratio Lower Upper

119 100

134 19.8 11.2 33.5

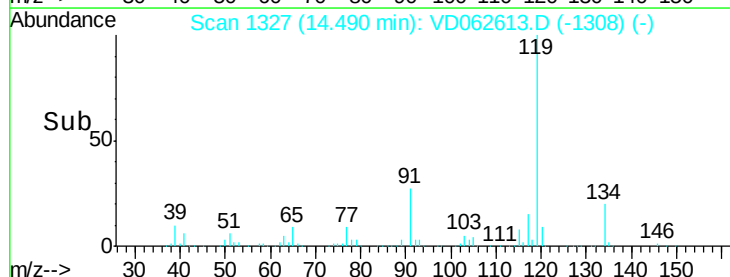
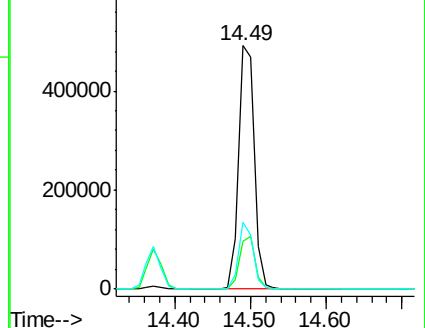
91 27.3 13.3 39.8

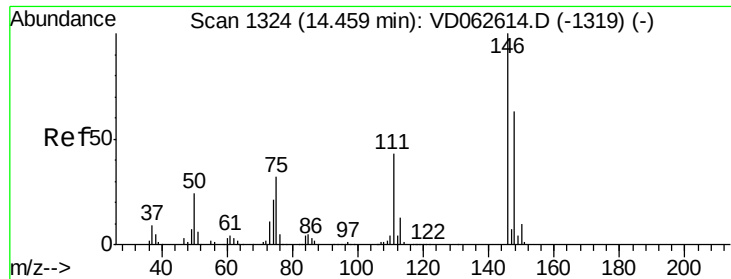


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

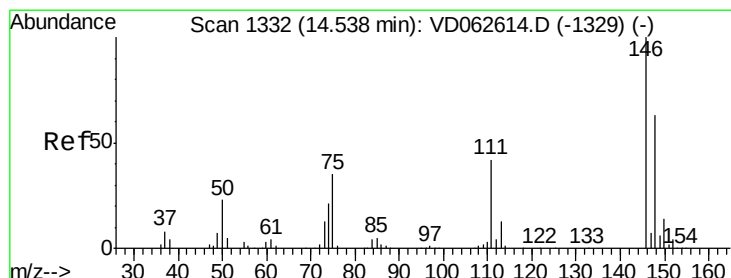
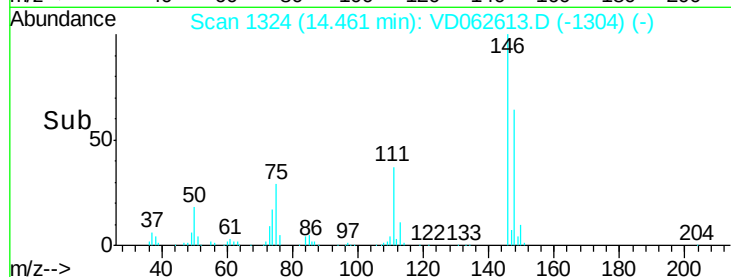
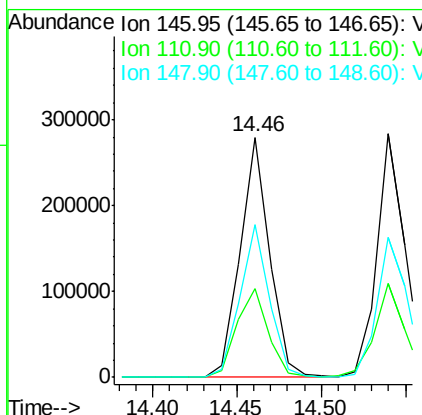
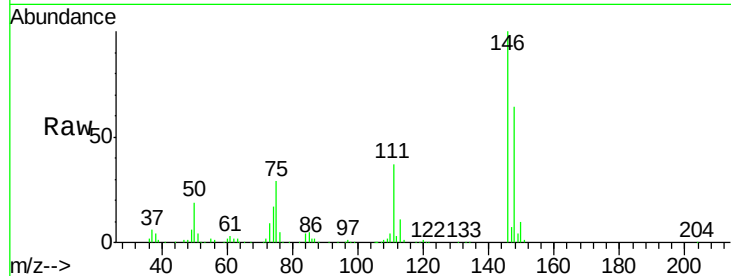




#87
 1,3-Dichlorobenzene
 Concen: 20.607 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

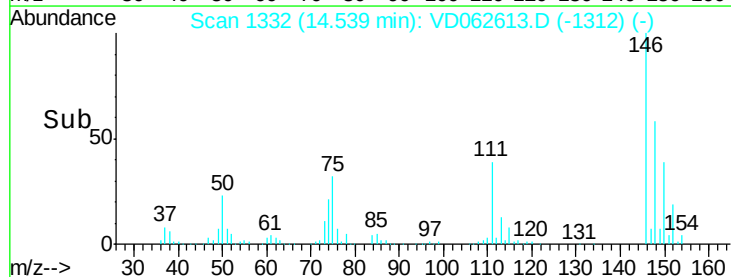
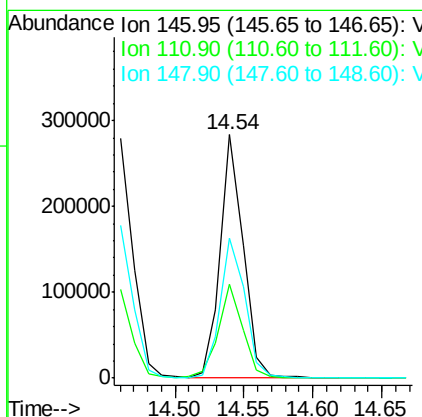
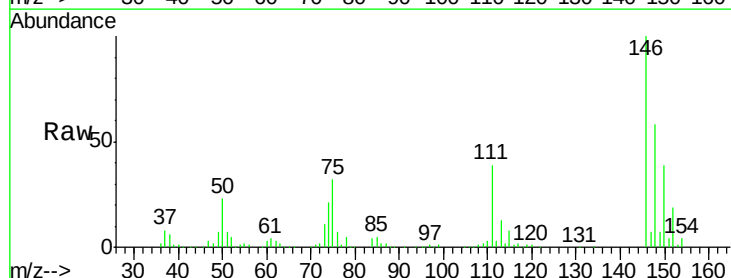
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

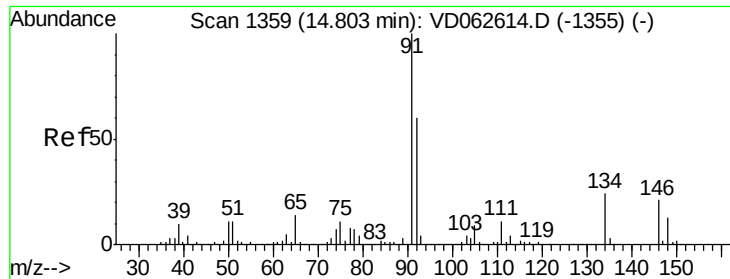
Tot Ion:146 Resp: 339320
 Ion Ratio Lower Upper
 146 100
 111 36.9 21.6 64.6
 148 63.7 31.3 93.8



#88
 1,4-Dichlorobenzene
 Concen: 19.665 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Tgt Ion:146 Resp: 327944
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.9 62.8
 148 57.5 31.5 94.5





#89

n-Butylbenzene

Concen: 19.769 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

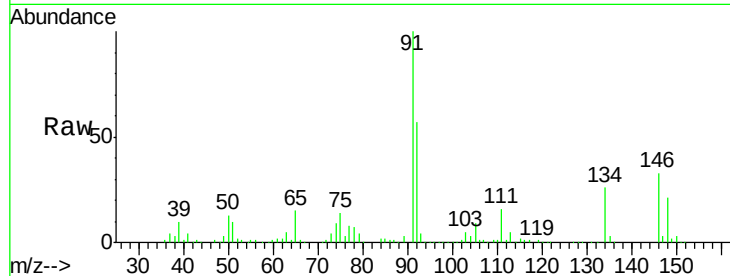
Tot Ion: 91 Resp: 608672

Ion Ratio Lower Upper

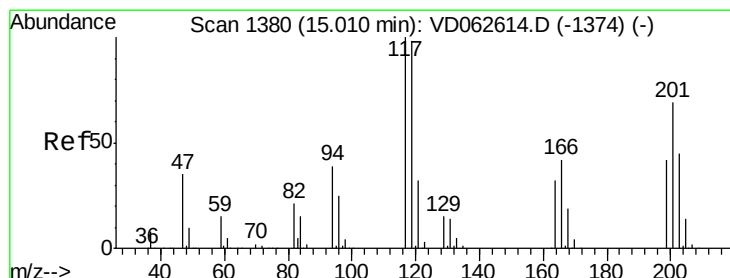
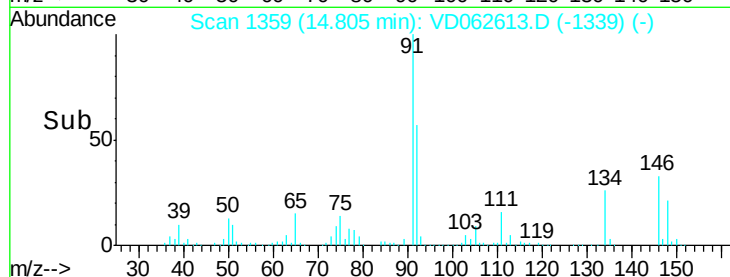
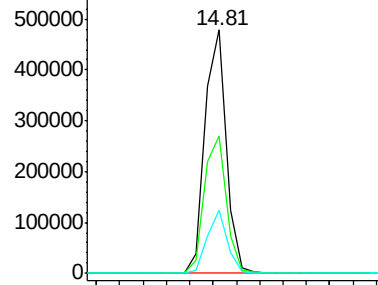
91 100

92 56.7 29.9 89.7

134 26.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.264 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062613.D

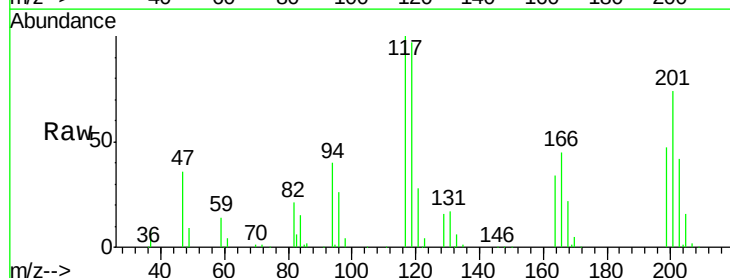
Acq: 5 Jun 2019 15:13

Tgt Ion: 117 Resp: 167891

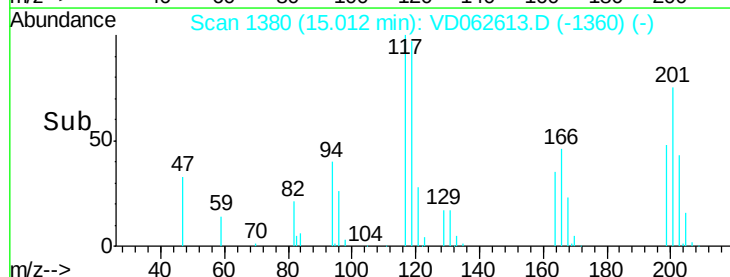
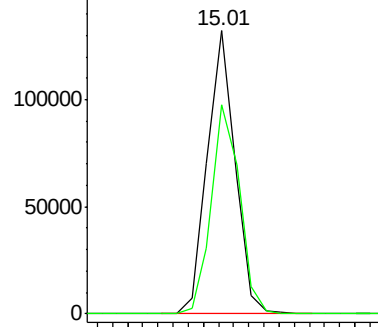
Ion Ratio Lower Upper

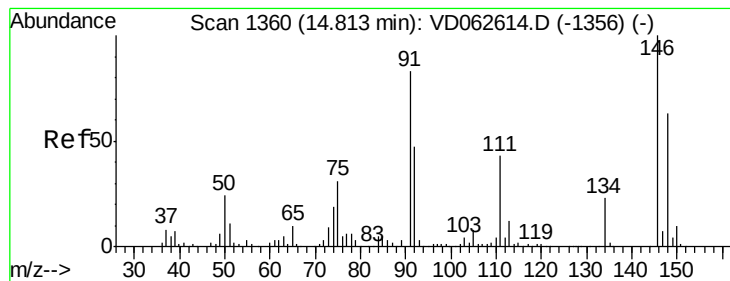
117 100

201 73.7 34.4 103.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 20.408 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

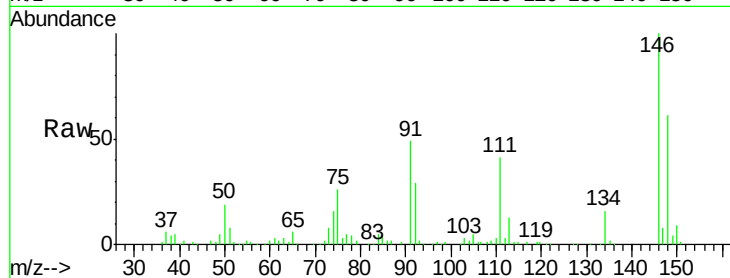
Tot Ion:146 Resp: 310292

Ion Ratio Lower Upper

146 100

111 41.0 21.3 64.0

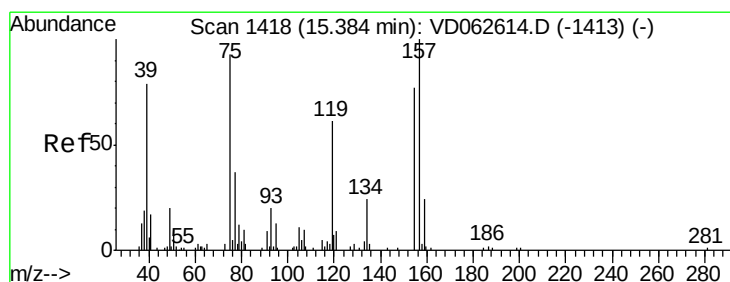
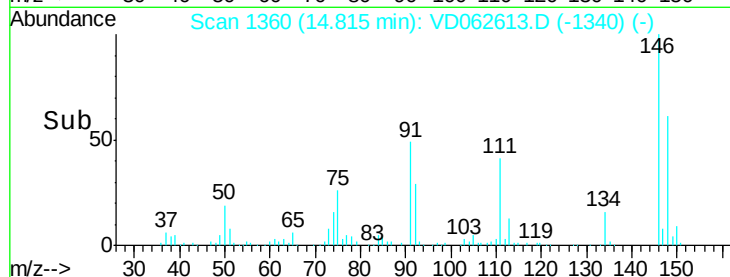
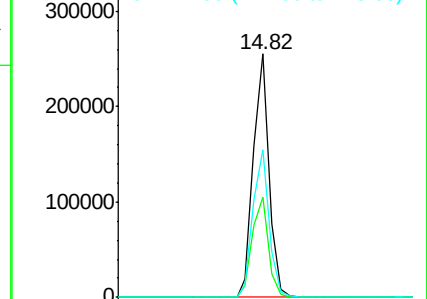
148 60.9 31.4 94.3



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: 18.529 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062613.D

Acq: 5 Jun 2019 15:13

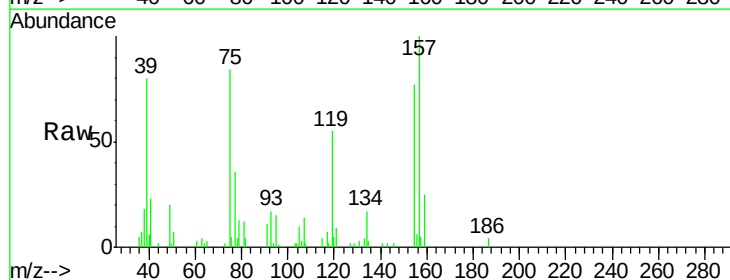
Tgt Ion: 75 Resp: 22412

Ion Ratio Lower Upper

75 100

155 91.9 41.6 124.8

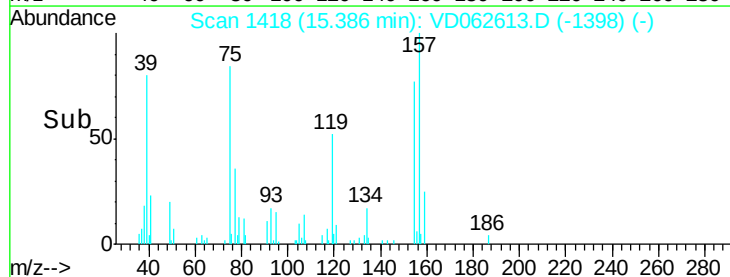
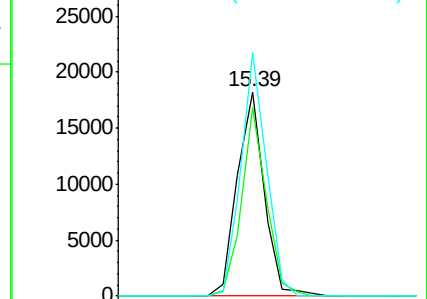
157 124.9 53.8 161.2

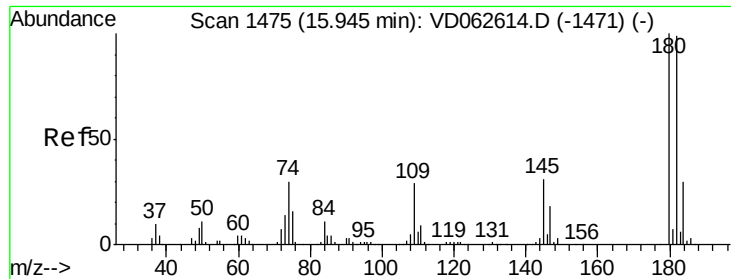


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

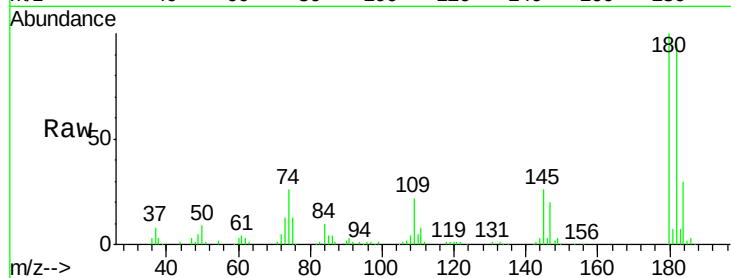




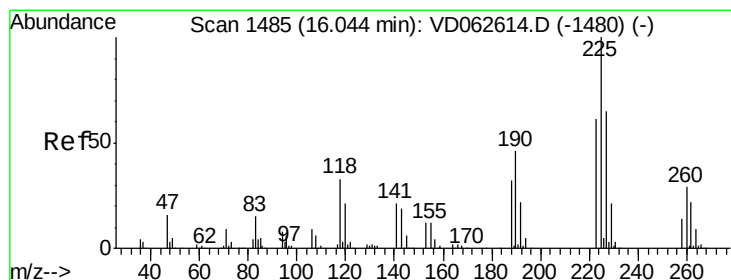
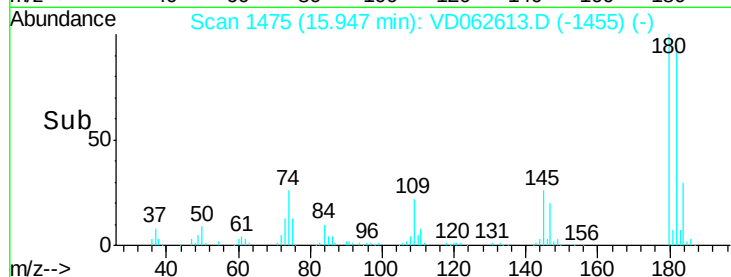
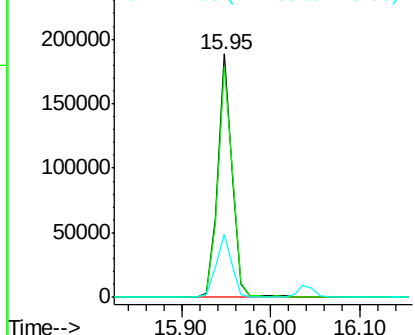
#93
 1,2,4-Trichlorobenzene
 Concen: 19.307 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 210928
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.3 147.8
 145 25.8 15.7 47.1

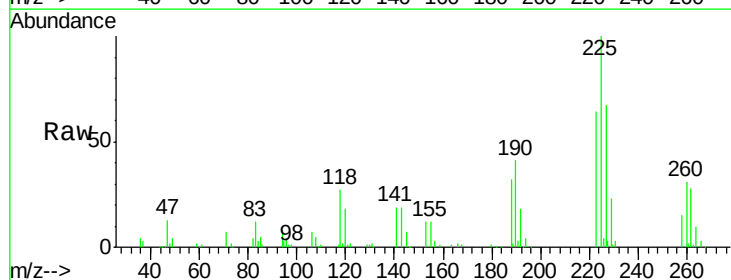


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

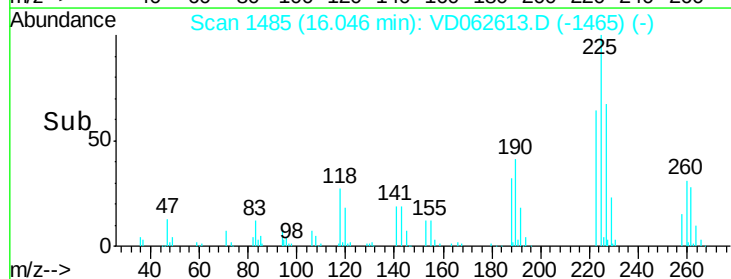
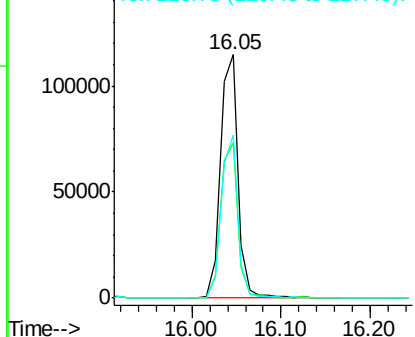


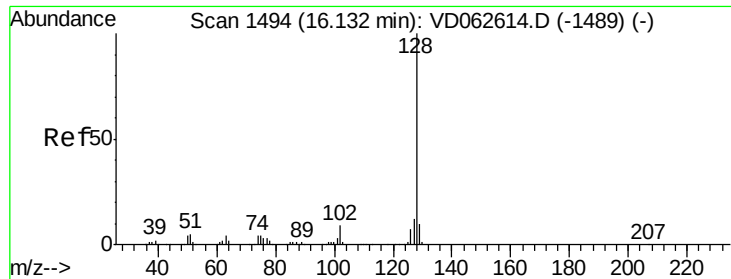
#94
 Hexachlorobutadiene
 Concen: 19.443 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062613.D
 Acq: 5 Jun 2019 15:13

Tgt Ion:225 Resp: 159324
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.3 91.0
 227 66.9 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

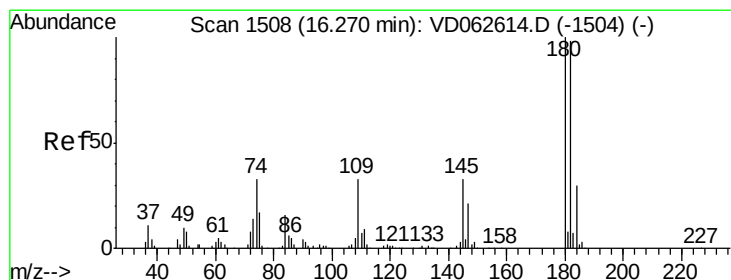
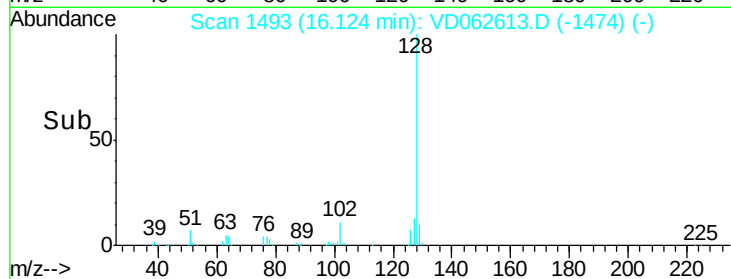
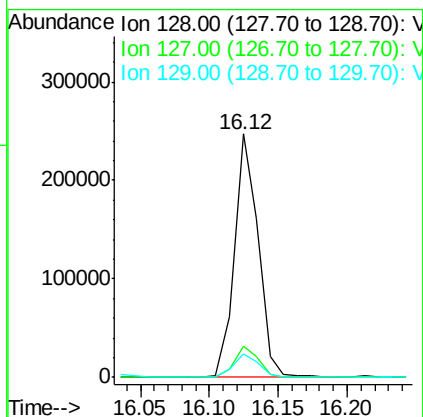
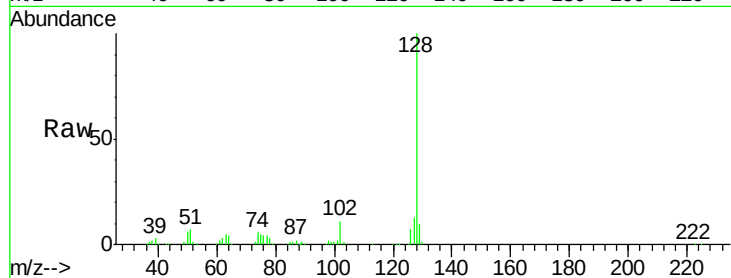




#95
Naphthalene
Concen: 18.913 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 295886
Ion Ratio Lower Upper
128 100
127 12.8 9.4 14.2
129 9.6 8.0 12.0



#96
1,2,3-Trichlorobenzene
Concen: 19.427 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062613.D
Acq: 5 Jun 2019 15:13

Tgt Ion:180 Resp: 162294
Ion Ratio Lower Upper
180 100
182 97.0 49.1 147.3
145 33.3 16.6 49.7

