

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062129.D
 Acq On : 6 May 2019 14:28
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:09:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	392644	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	635452	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	596084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	300835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	189200	61.57	ug/l	0.00
Spiked Amount						
			Recovery	=	123.14%	
35) Dibromofluoromethane	6.92	113	247147	56.24	ug/l	-0.02
Spiked Amount						
			Recovery	=	112.48%	
50) Toluene-d8	10.41	98	540176	51.66	ug/l	0.00
Spiked Amount						
			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	13.55	95	250158	59.64	ug/l	0.00
Spiked Amount						
			Recovery	=	119.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.74	50	4400	1.477	ug/l #	77
4) Vinyl Chloride	1.84	62	5047	1.869	ug/l	91
5) Bromomethane	2.14	94	6884	7.891	ug/l #	91
6) Chloroethane	2.24	64	6027	6.173	ug/l	97
7) Trichlorofluoromethane	2.52	101	41656	10.201	ug/l	98
8) Diethyl Ether	2.86	74	19251	17.589	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	55977	14.880	ug/l	98
10) Methyl Iodide	3.30	142	36015	11.030	ug/l	96
11) Tert butyl alcohol	4.05	59	25507	146.905	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	37591	11.745	ug/l	97
13) Acrolein	3.02	56	15994	88.781	ug/l	84
14) Allyl chloride	3.61	41	63545	14.540	ug/l	94
15) Acrylonitrile	4.18	53	66742	124.137	ug/l	96
16) Acetone	3.22	43	87195	118.834	ug/l	95
17) Carbon Disulfide	3.36	76	50667	5.478	ug/l	99
18) Methyl Acetate	3.63	43	34928	25.174	ug/l	95
19) Methyl tert-butyl Ether	4.22	73	144920	22.822	ug/l	99
20) Methylene Chloride	3.80	84	65585	16.205	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	55778	15.192	ug/l	95
22) Diisopropyl ether	5.11	45	189689	18.591	ug/l	97
23) Vinyl Acetate	5.04	43	566701	106.652	ug/l	99
24) 1,1-Dichloroethane	4.97	63	106413	17.255	ug/l	98
25) 2-Butanone	6.06	43	106550	119.770	ug/l	96
26) 2,2-Dichloropropane	6.01	77	102879	19.122	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	72316	17.314	ug/l	98
28) Bromochloromethane	6.43	49	56462	23.928	ug/l	98
29) Tetrahydrofuran	6.45	42	48006	109.518	ug/l	96
30) Chloroform	6.65	83	140194	20.015	ug/l	95
31) Cyclohexane	6.95	56	54347	11.873	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	115060	18.879	ug/l	98
36) 1,1-Dichloropropene	7.13	75	83137	16.792	ug/l	98
37) Ethyl Acetate	6.17	43	47531	22.529	ug/l #	86
38) Carbon Tetrachloride	7.11	117	115541	18.417	ug/l	99
39) Methylcyclohexane	8.86	83	71503	14.638	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.45	78	211126	17.225	ug/l	99
41) Methacrylonitrile	6.45	41	59912	24.339	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	90226	21.681	ug/l	98
43) Isopropyl Acetate	9.23	43	71522	23.202	ug/l	98
44) Trichloroethene	8.53	130	89065	18.744	ug/l	96
45) 1,2-Dichloropropane	8.94	63	61095	19.649	ug/l	99
46) Dibromomethane	9.06	93	47263	21.124	ug/l	86
47) Bromodichloromethane	9.37	83	116563	22.049	ug/l	97
48) Methyl methacrylate	9.11	41	39588	22.509	ug/l	93
49) 1,4-Dioxane	9.07	88	9025	475.951	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	239034	126.795	ug/l	98
52) Toluene	10.51	92	152015	19.452	ug/l	93
53) t-1,3-Dichloropropene	10.92	75	115350	25.995	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	110347	20.446	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	63880	24.348	ug/l	92
56) Ethyl methacrylate	11.04	69	66071	22.737	ug/l	93
57) 1,3-Dichloropropane	11.41	76	91564	22.596	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	215578	159.570	ug/l	95
59) 2-Hexanone	11.54	43	197482	139.645	ug/l	99
60) Dibromochloromethane	11.68	129	106712	24.581	ug/l	98
61) 1,2-Dibromoethane	11.80	107	75677	24.315	ug/l	95
64) Tetrachloroethene	11.26	164	74025	17.409	ug/l	95
65) Chlorobenzene	12.40	112	227954	20.238	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	102016	21.352	ug/l	97
67) Ethyl Benzene	12.52	91	364622	19.833	ug/l	98
68) m/p-Xylenes	12.67	106	252859	38.054	ug/l	99
69) o-Xylene	13.05	106	127331	20.944	ug/l	99
70) Stvrene	13.07	104	232511	22.149	ug/l	99
71) Bromoform	13.24	173	66813	24.528	ug/l	91
73) Isopropylbenzene	13.41	105	378349	18.854	ug/l	98
74) N-amyl acetate	13.27	43	107843	20.867	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	85577	21.761	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	83180	21.774	ug/l	98
77) Bromobenzene	13.67	156	102946	17.883	ug/l	89
78) n-propylbenzene	13.78	91	408243	17.771	ug/l	98
79) 2-Chlorotoluene	13.84	91	248269	17.842	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	291793	18.236	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	24920	21.526	ug/l	93
82) 4-Chlorotoluene	13.95	91	287833	18.783	ug/l	89
83) tert-Butylbenzene	14.19	119	347868	18.767	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	277098	18.136	ug/l	99
85) sec-Butylbenzene	14.37	105	385951	19.270	ug/l	98
86) p-Isopropyltoluene	14.50	119	345445	19.271	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	182542	18.107	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	177589	18.837	ug/l	98
89) n-Butylbenzene	14.80	91	294703	18.313	ug/l	95
90) Hexachloroethane	15.01	117	92125	19.006	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	170345	20.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11991	22.187	ug/l	92
93) 1,2,4-Trichlorobenzene	15.95	180	100278	22.349	ug/l	98

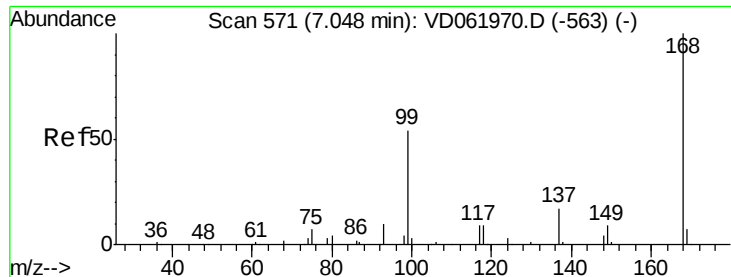
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050619\
Data File : VD062129.D
Acq On : 6 May 2019 14:28
Operator : FY/SY
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.04	225	70818	21.328	ug/l	97
95) Naphthalene	16.12	128	177418	24.490	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	71521	28.094	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

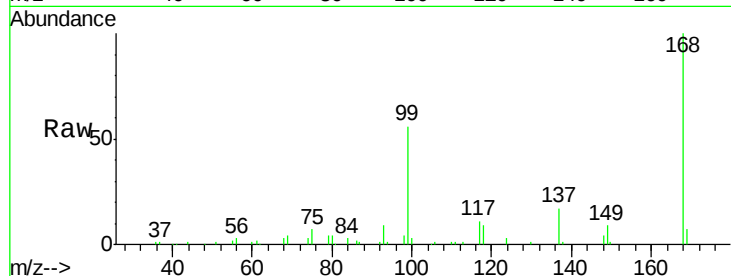
VD0506SBSD01

Tot Ion:168 Resp: 392644

Ion Ratio Lower Upper

168 100

99 55.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

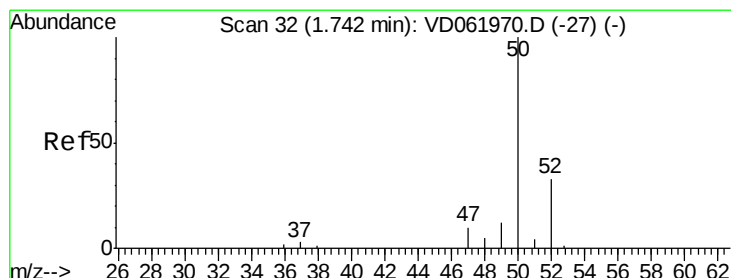
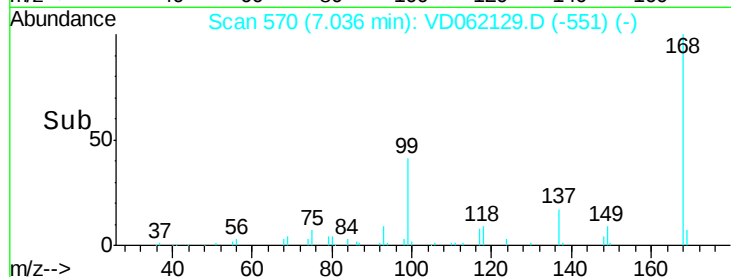
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.477 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD062129.D

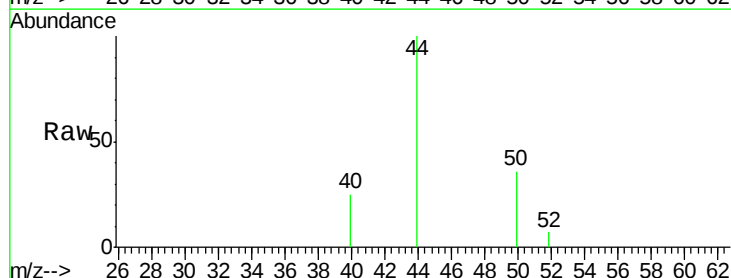
Acq: 6 May 2019 14:28

Tgt Ion: 50 Resp: 4400

Ion Ratio Lower Upper

50 100

52 18.5 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2000

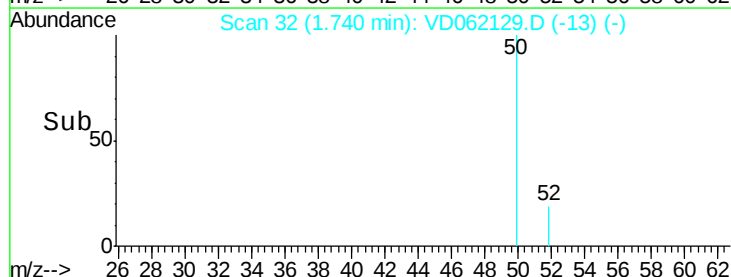
1500

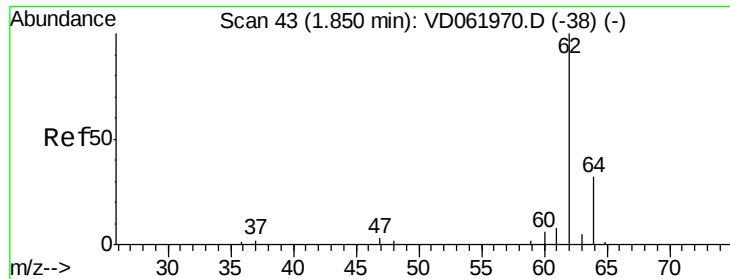
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 1.869 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleID :

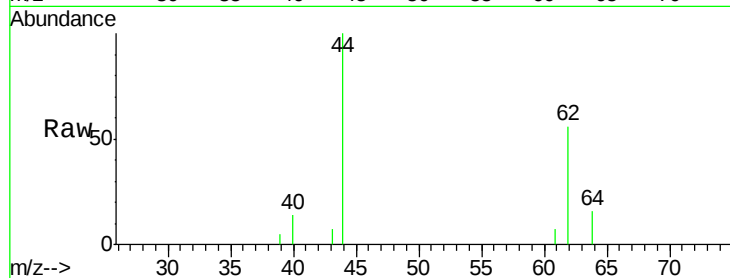
VD0506SBS01

Tot Ion: 62 Resp: 5047

Ion Ratio Lower Upper

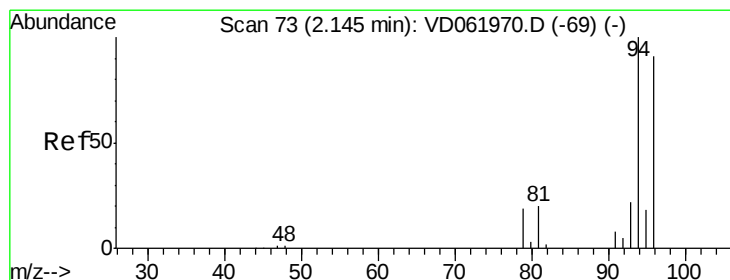
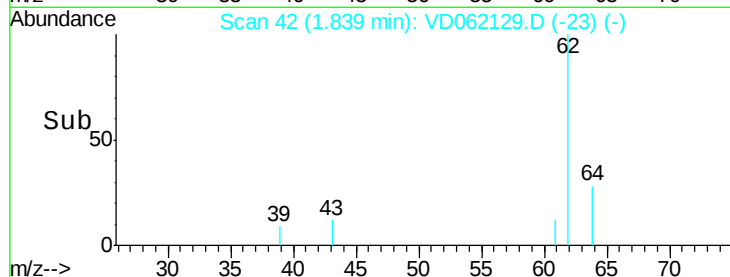
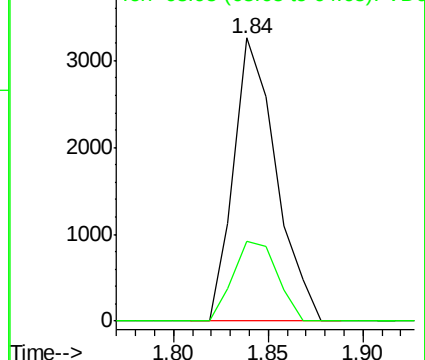
62 100

64 28.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#5

Bromomethane

Concen: 7.891 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

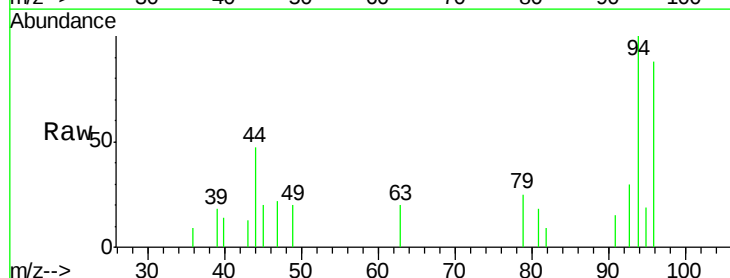
Tgt Ion: 94 Resp: 6884

Ion Ratio Lower Upper

94 100

96 87.5 76.6 115.0

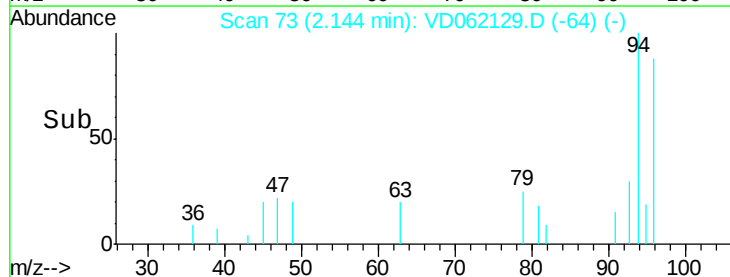
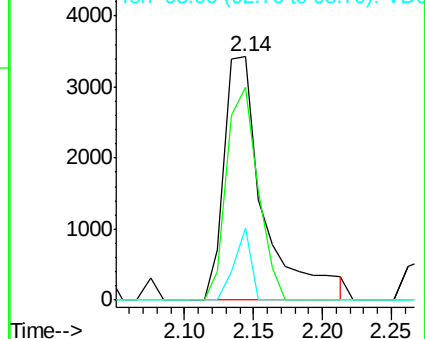
93 29.7 18.5 27.7#

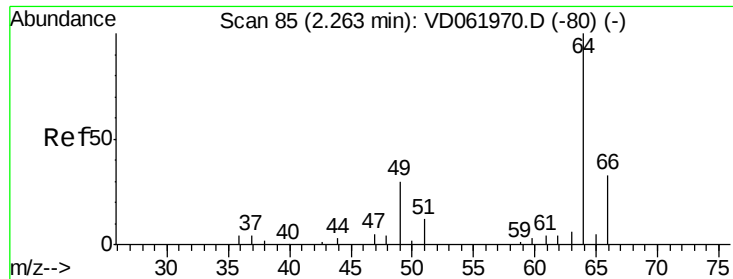


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 6.173 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.04 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

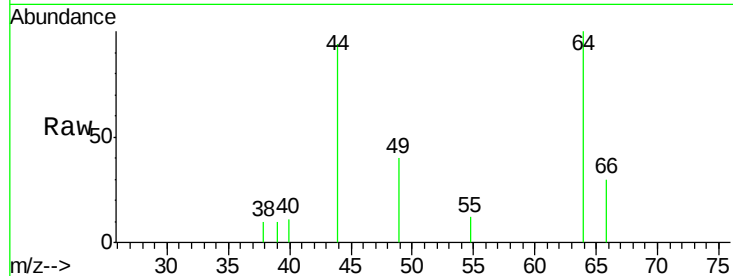
VD0506SBS01

Tot Ion: 64 Resp: 6027

Ion Ratio Lower Upper

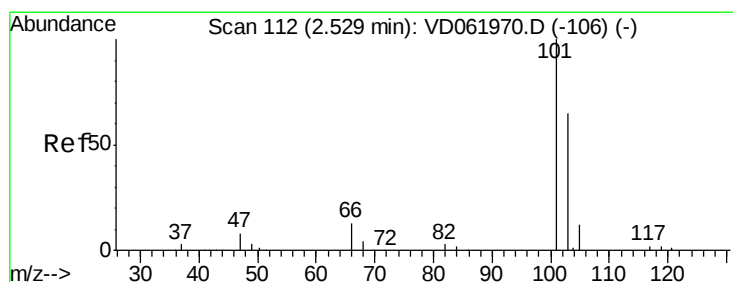
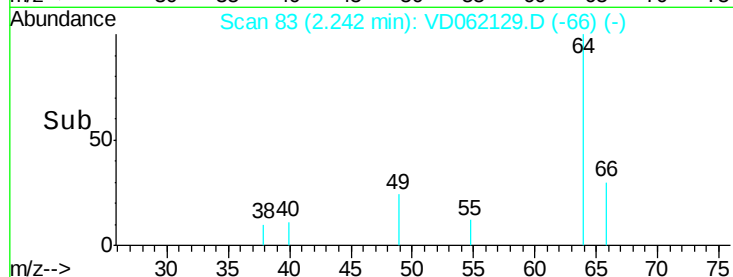
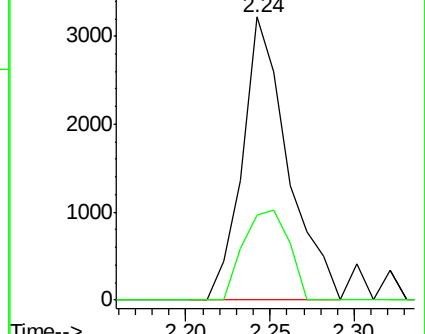
64 100

66 30.2 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 10.201 ug/l

RT: 2.52 min Scan# 111

Delta R.T. -0.03 min

Lab File: VD062129.D

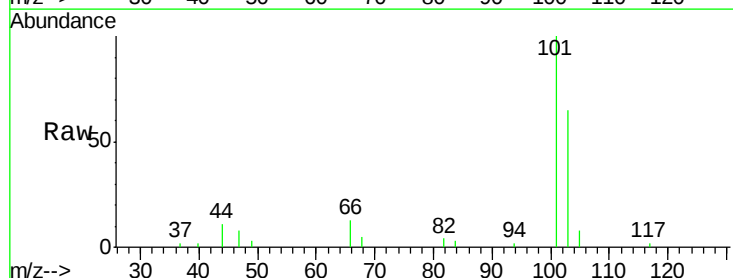
Acq: 6 May 2019 14:28

Tgt Ion: 101 Resp: 41656

Ion Ratio Lower Upper

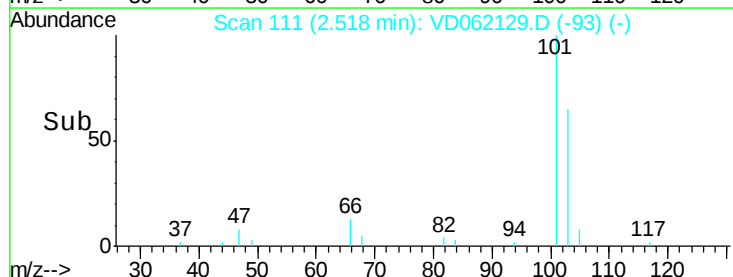
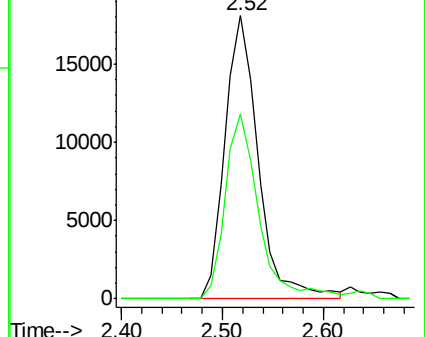
101 100

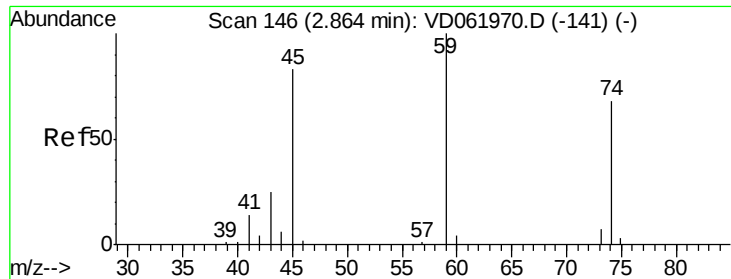
103 65.1 53.6 80.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#8

Diethyl Ether

Concen: 17.589 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

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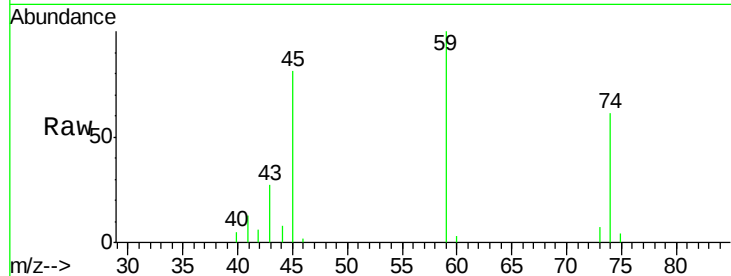
VD0506SBSD01

Tot Ion: 74 Resp: 19251

Ion Ratio Lower Upper

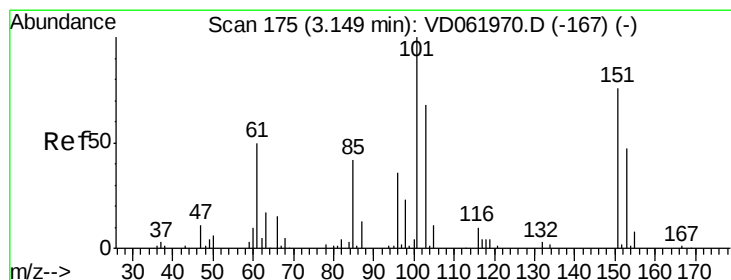
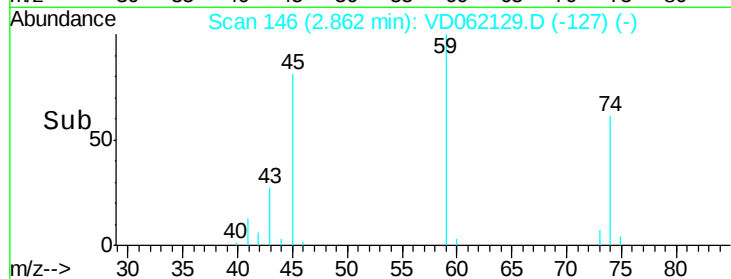
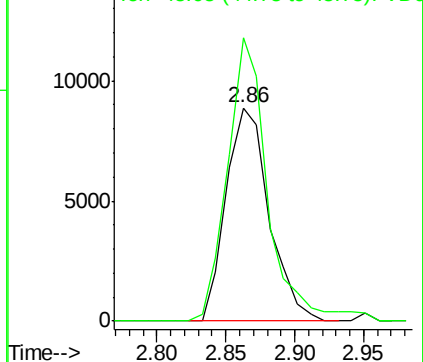
74 100

45 132.7 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.880 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

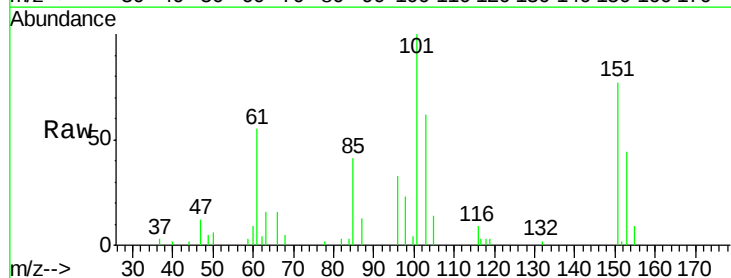
Tgt Ion:101 Resp: 55977

Ion Ratio Lower Upper

101 100

85 40.9 32.4 48.6

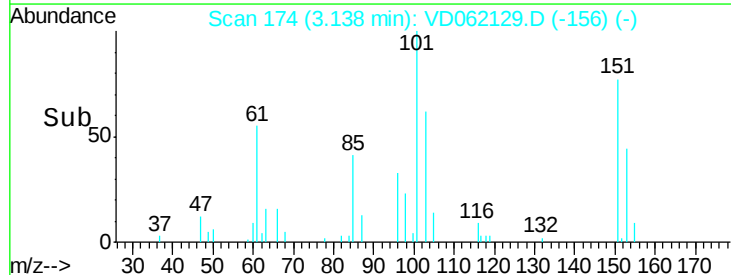
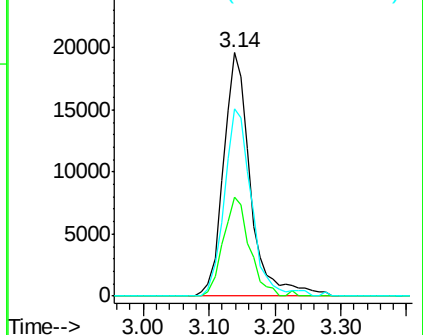
151 76.7 59.4 89.0

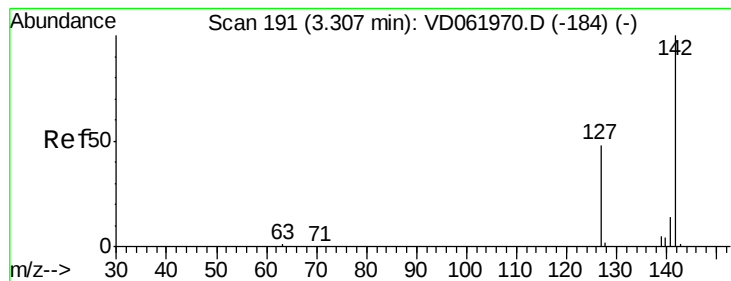


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





#10

Methyl Iodide

Concen: 11.030 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.03 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

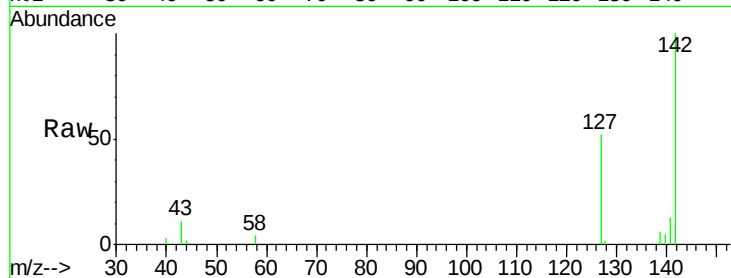
Tot Ion:142 Resp: 36015

Ion Ratio Lower Upper

142 100

127 51.7 38.8 58.2

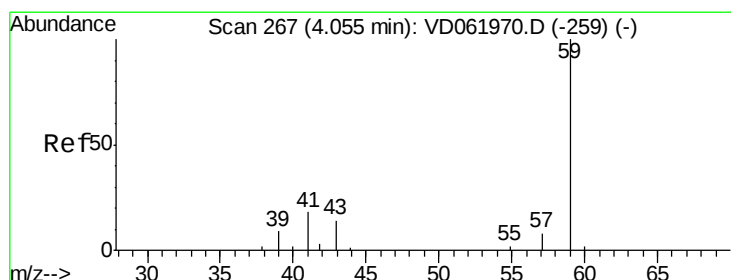
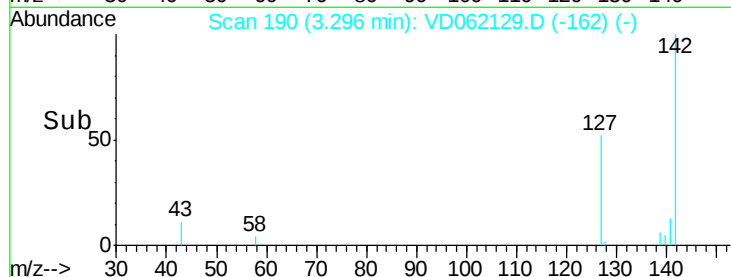
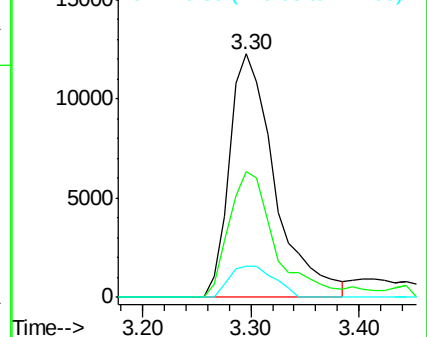
141 12.8 11.4 17.0



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



#11

Tert butyl alcohol

Concen: 146.905 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD062129.D

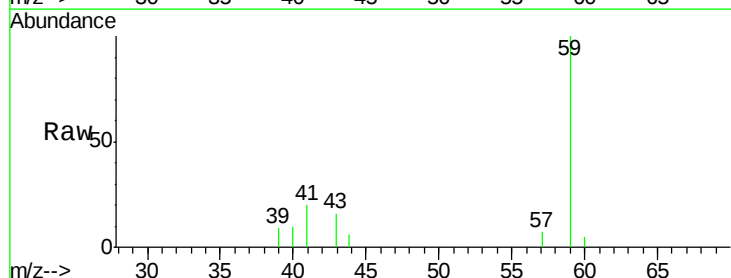
Acq: 6 May 2019 14:28

Tgt Ion: 59 Resp: 25507

Ion Ratio Lower Upper

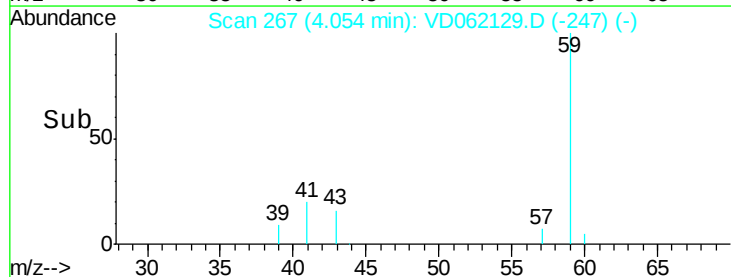
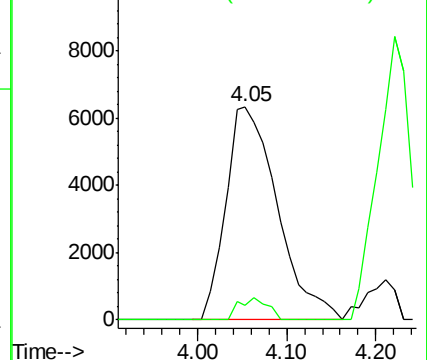
59 100

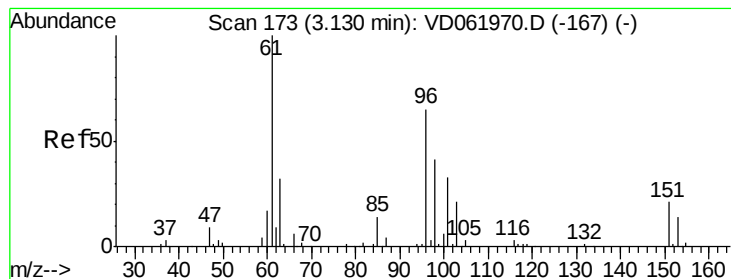
57 6.7 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): V

Ion 56.95 (56.65 to 57.65): V





#12

1,1-Dichloroethene

Concen: 11.745 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

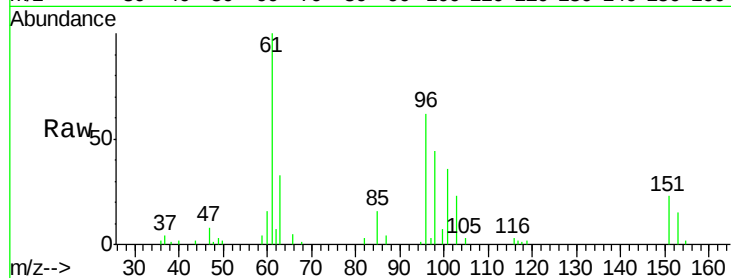
Tot Ion: 96 Resp: 37591

Ion Ratio Lower Upper

96 100

61 161.1 129.8 194.8

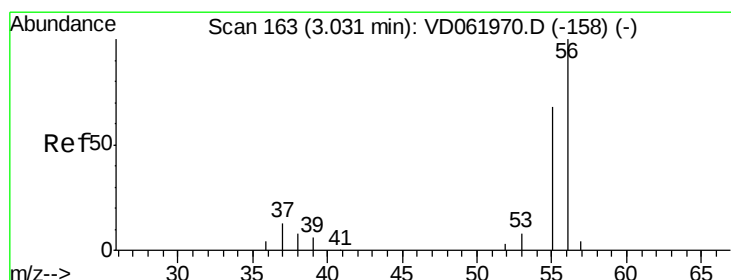
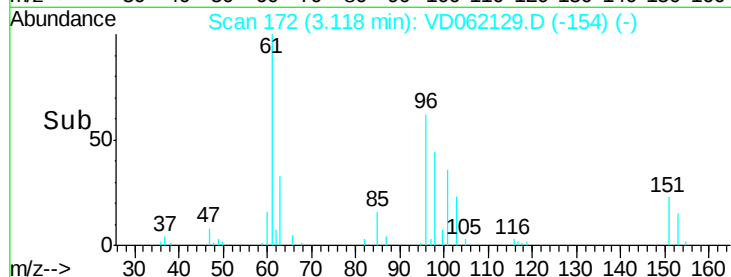
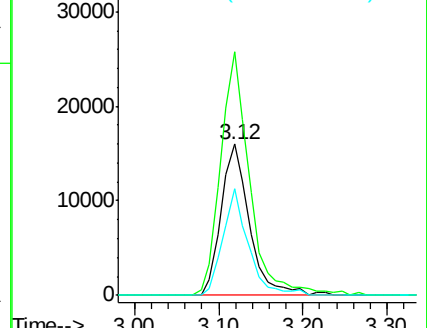
98 70.2 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#13

Acrolein

Concen: 88.781 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD062129.D

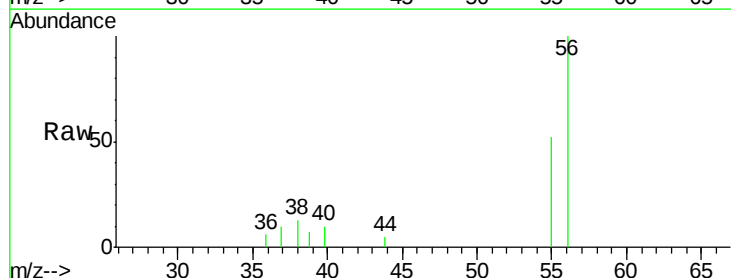
Acq: 6 May 2019 14:28

Tgt Ion: 56 Resp: 15994

Ion Ratio Lower Upper

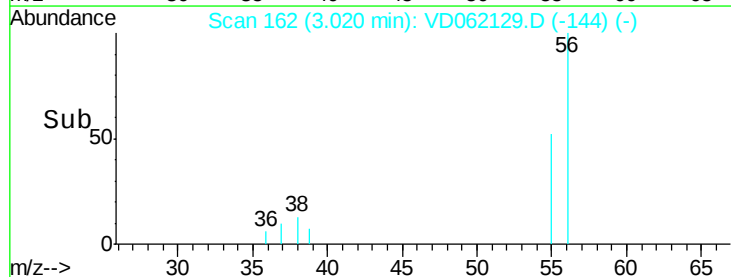
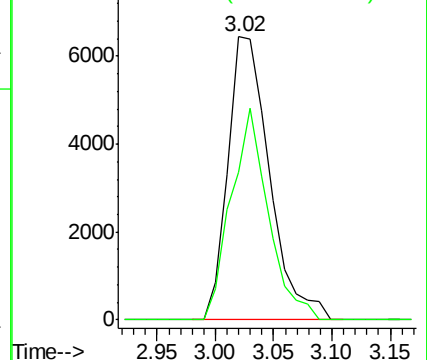
56 100

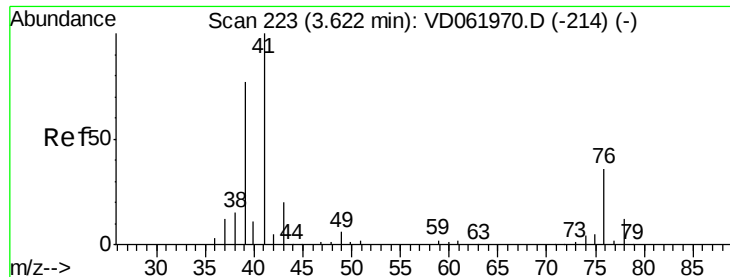
55 52.0 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

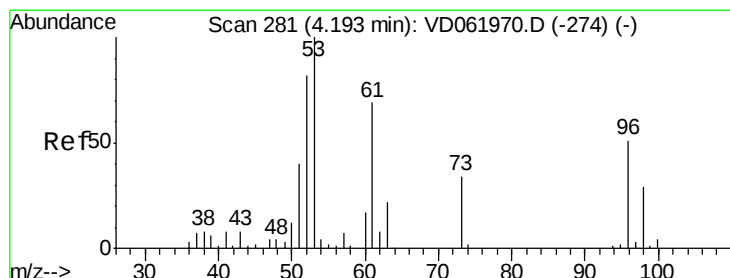
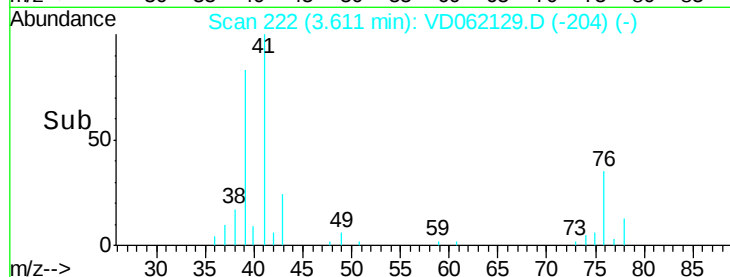
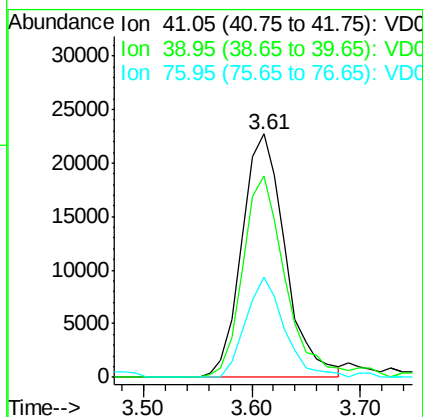
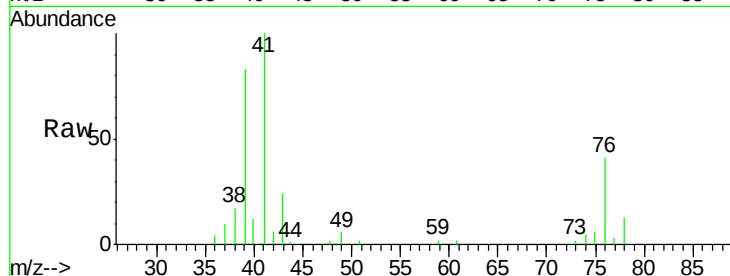




#14
Allvl chloride
Concen: 14.540 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

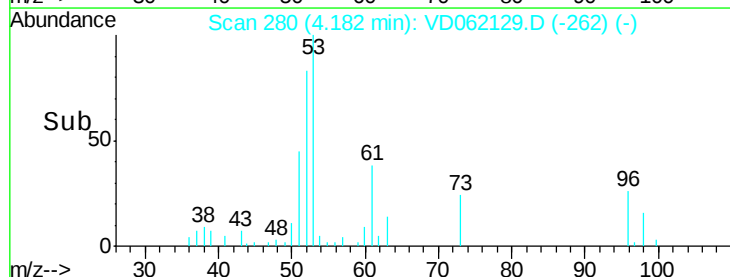
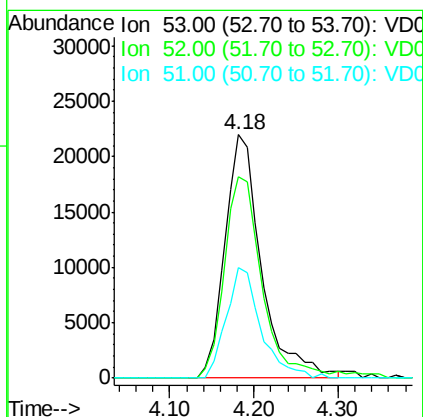
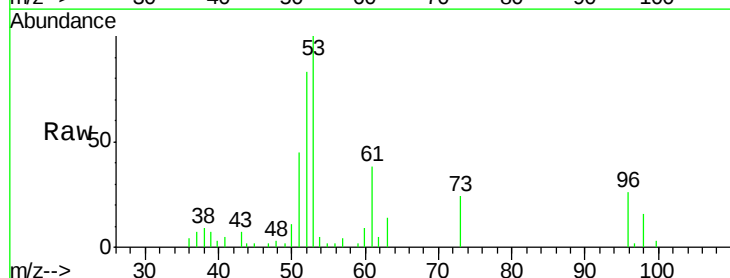
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

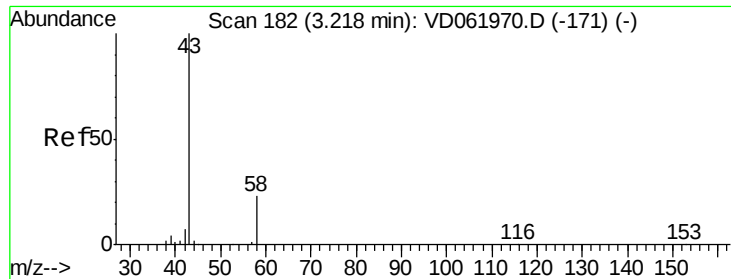
Tot Ion: 41 Resp: 63545
Ion Ratio Lower Upper
41 100
39 82.7 60.5 90.7
76 40.9 31.8 47.8



#15
Acrylonitrile
Concen: 124.137 ug/l
RT: 4.18 min Scan# 280
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion: 53 Resp: 66742
Ion Ratio Lower Upper
53 100
52 82.9 65.0 97.4
51 45.1 32.6 48.8





#16

Acetone

Concen: 118.834 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

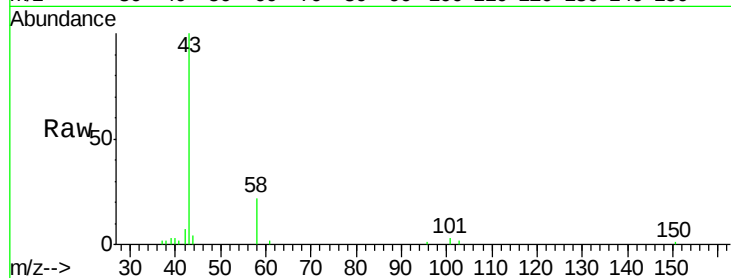
VD0506SBS01

Tot Ion: 43 Resp: 87195

Ion Ratio Lower Upper

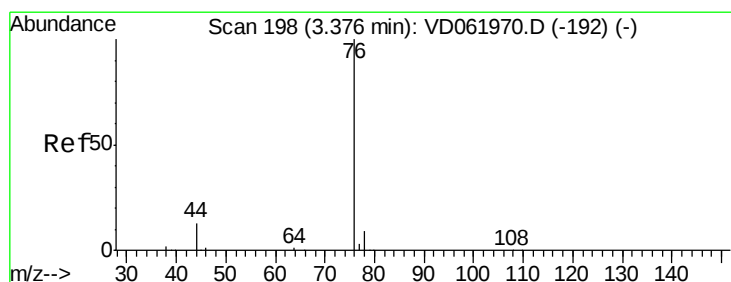
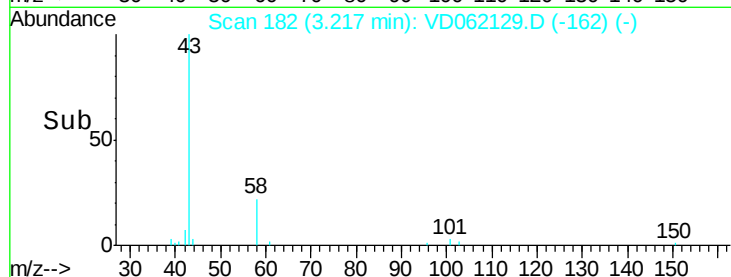
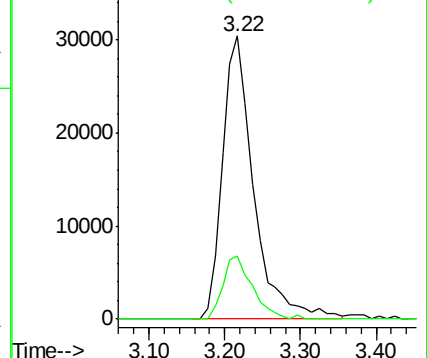
43 100

58 22.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 5.478 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.03 min

Lab File: VD062129.D

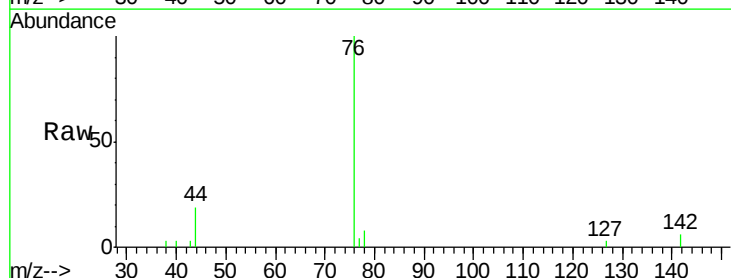
Acq: 6 May 2019 14:28

Tgt Ion: 76 Resp: 50667

Ion Ratio Lower Upper

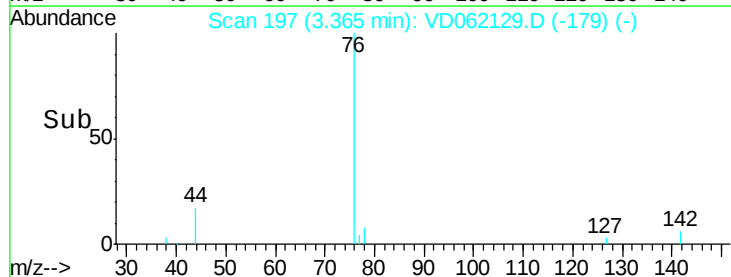
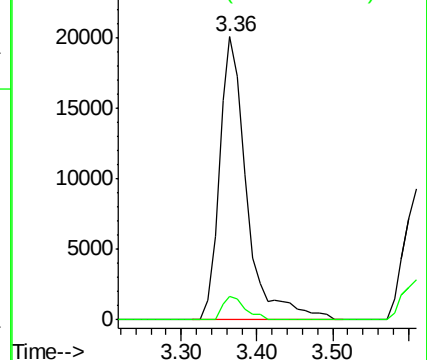
76 100

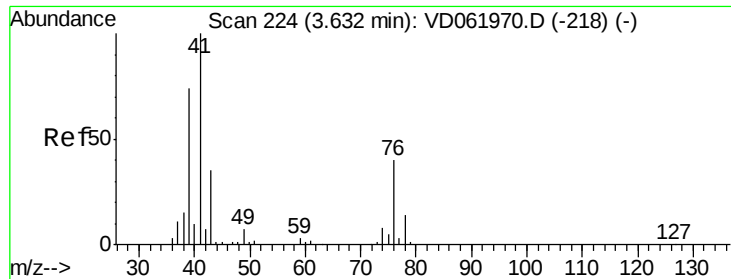
78 8.5 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

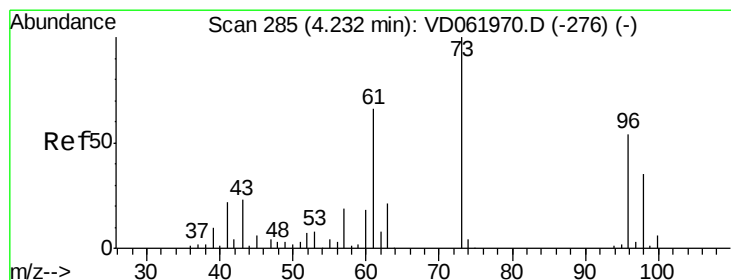
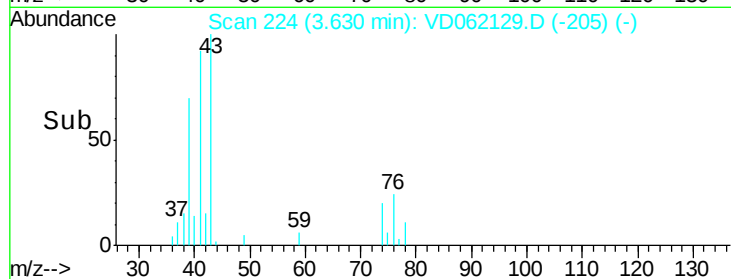
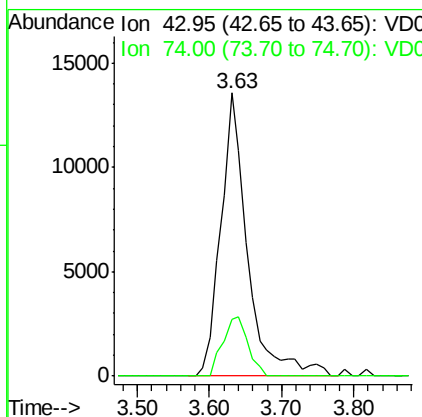
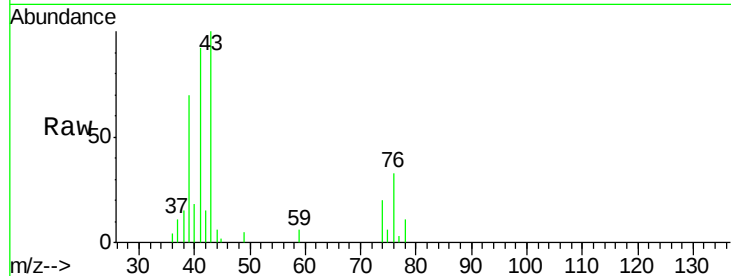




#18
Methyl Acetate
Concen: 25.174 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

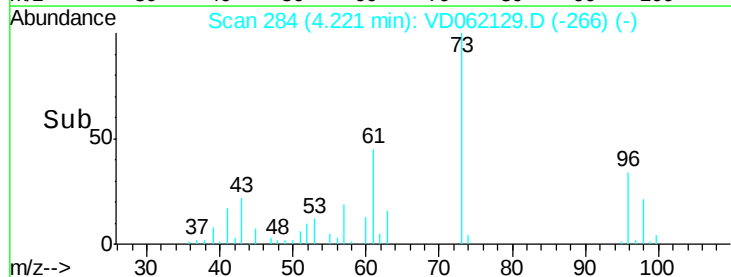
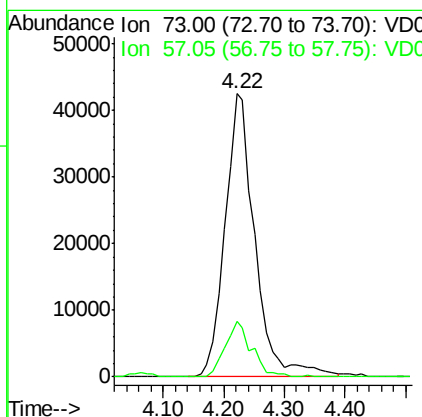
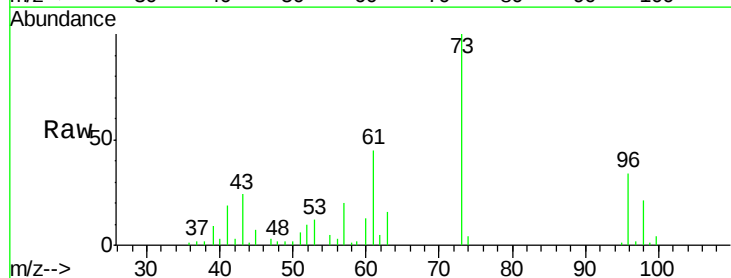
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

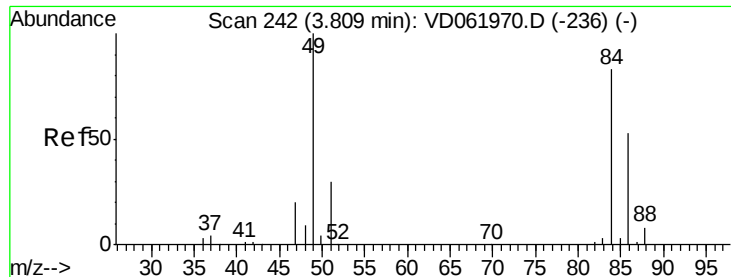
Tot Ion: 43 Resp: 34928
Ion Ratio Lower Upper
43 100
74 20.3 18.0 27.0



#19
Methyl tert-butyl Ether
Concen: 22.822 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion: 73 Resp: 144920
Ion Ratio Lower Upper
73 100
57 19.8 16.3 24.5

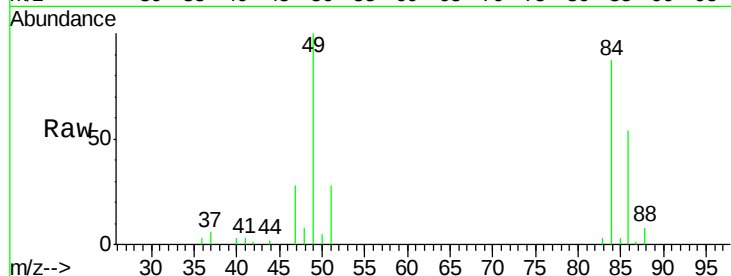




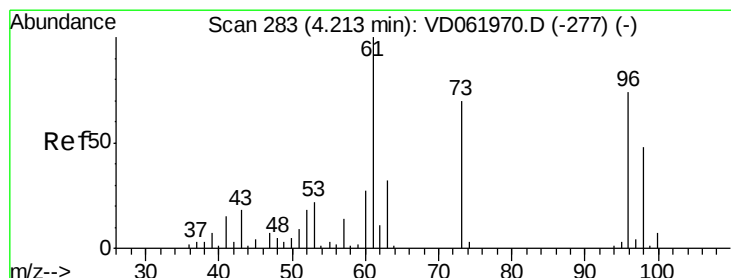
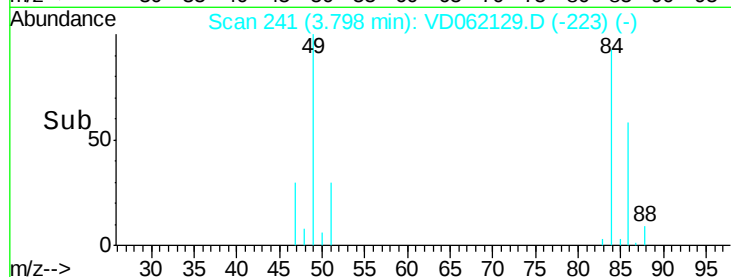
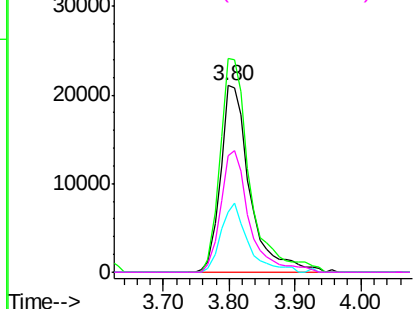
#20
Methylene Chloride
Concen: 16.205 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion: 84 Resp: 65585
Ion Ratio Lower Upper
84 100
49 114.4 94.0 141.0
51 32.3 29.0 43.4
86 62.4 49.8 74.6

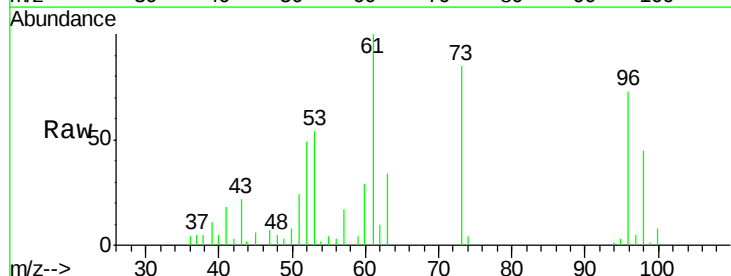


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

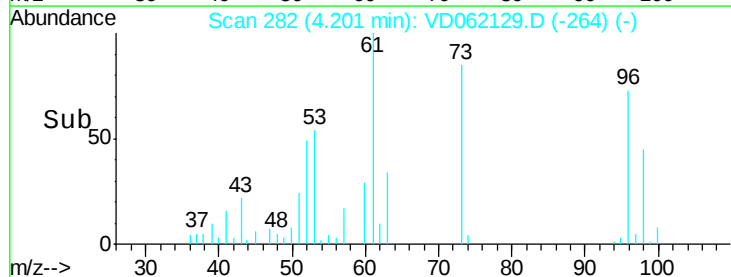
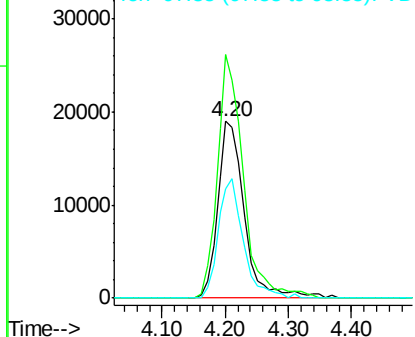


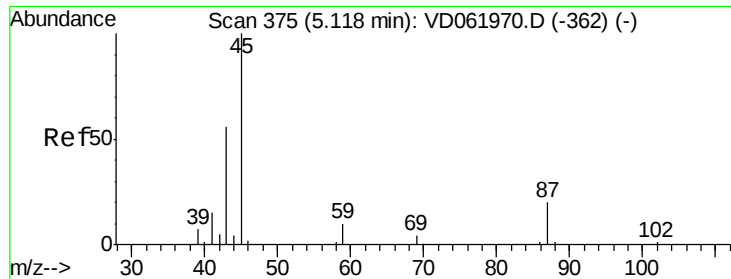
#21
trans-1,2-Dichloroethene
Concen: 15.192 ug/l
RT: 4.20 min Scan# 282
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion: 96 Resp: 55778
Ion Ratio Lower Upper
96 100
61 137.8 104.4 156.6
98 62.1 51.8 77.8



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



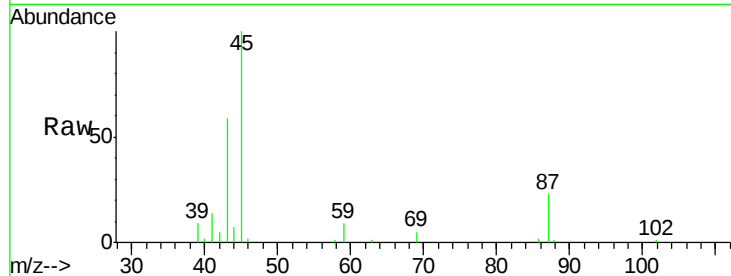


#22

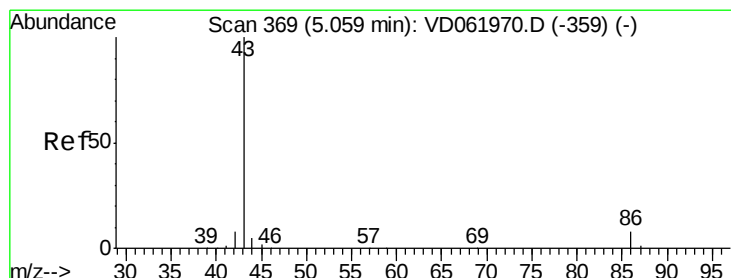
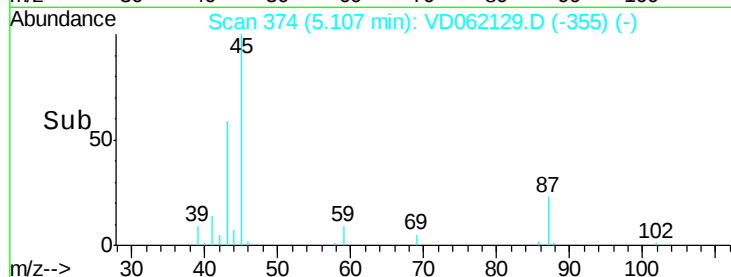
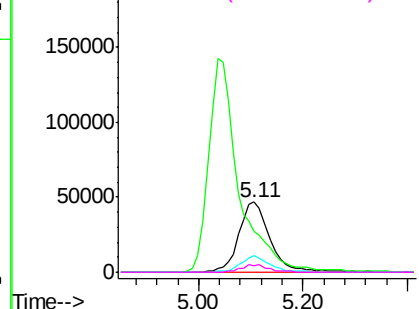
Diisopropyl ether
 Concen: 18.591 ug/l
 RT: 5.11 min Scan# 374
 Delta R.T. -0.02 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Tot Ion:	45	Resp:	189689
Ion	Ratio	Lower	Upper
45	100		
43	58.6	46.2	69.2
87	23.4	15.9	23.9
59	8.9	7.9	11.9



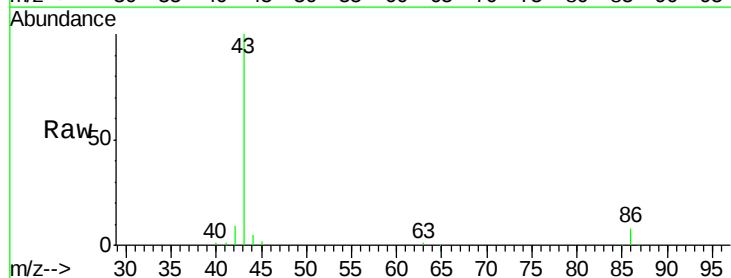
Abundance Ion 45.05 (44.75 to 45.75): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 87.00 (86.70 to 87.70): VDC
 Ion 58.95 (58.65 to 59.65): VDC



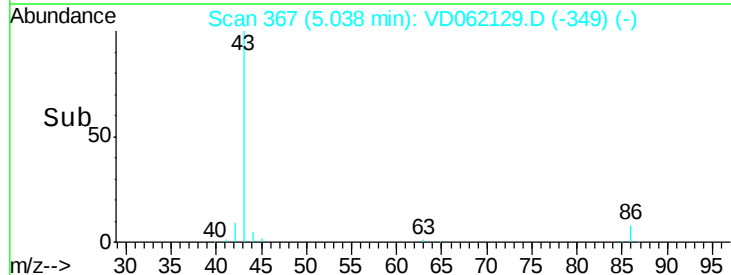
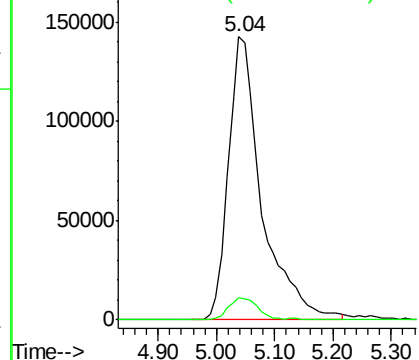
#23

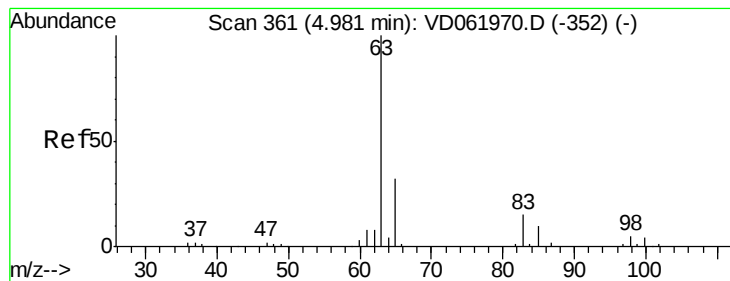
Vinyl Acetate
 Concen: 106.652 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.03 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion:	43	Resp:	566701
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.4	9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 17.255 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

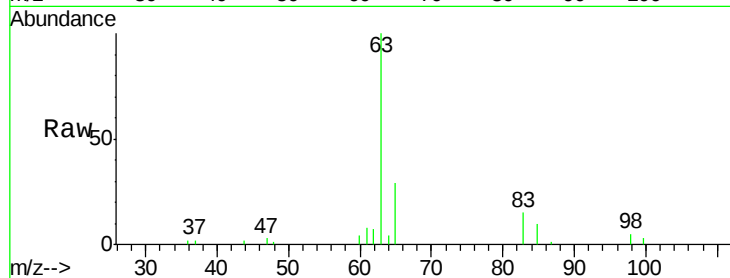
Tot Ion: 63 Resp: 106413

Ion Ratio Lower Upper

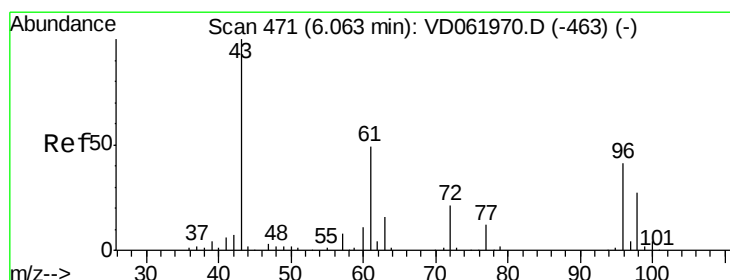
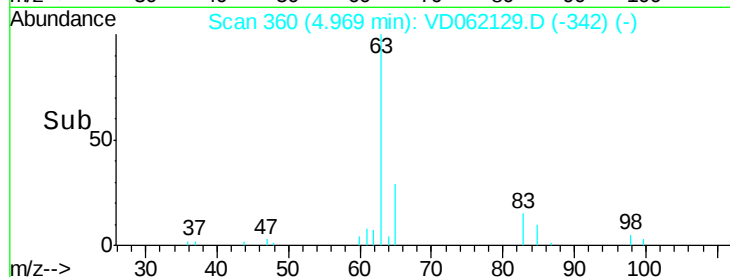
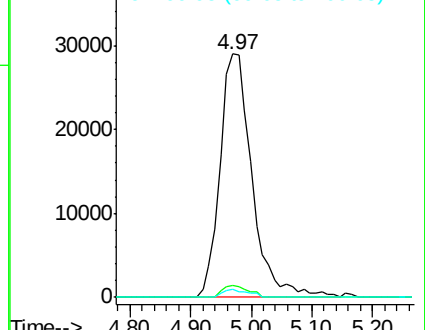
63 100

98 5.1 2.8 8.4

100 3.1 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 119.770 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD062129.D

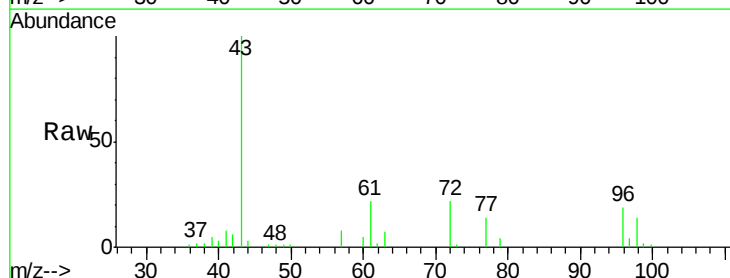
Acq: 6 May 2019 14:28

Tgt Ion: 43 Resp: 106550

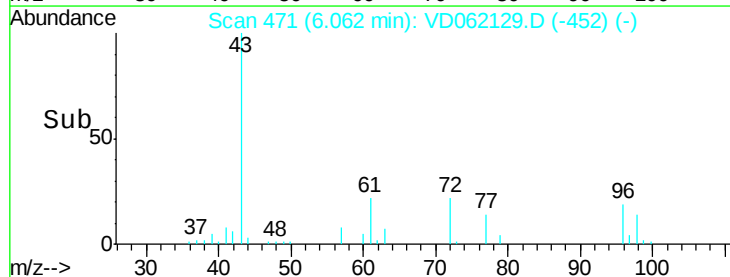
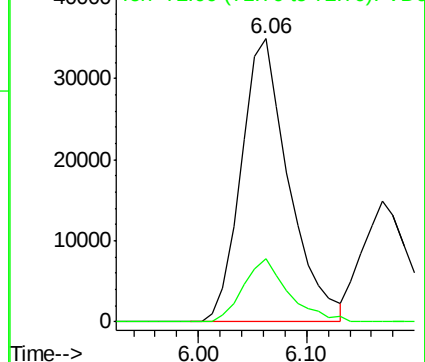
Ion Ratio Lower Upper

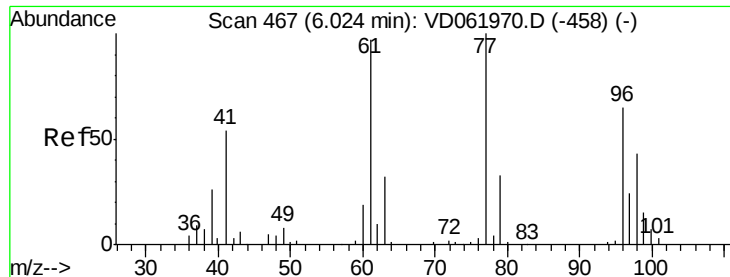
43 100

72 22.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 19.122 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

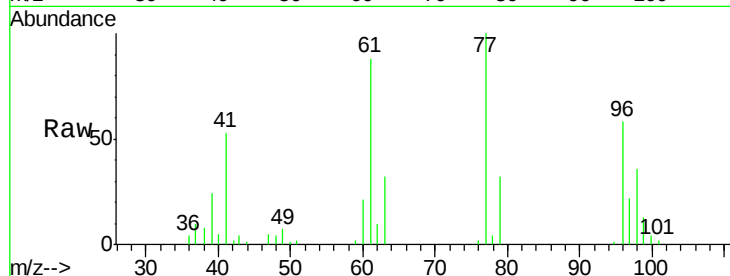
VD0506SBSD01

Tot Ion: 77 Resp: 102879

Ion Ratio Lower Upper

77 100

97 21.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.01

30000

25000

20000

15000

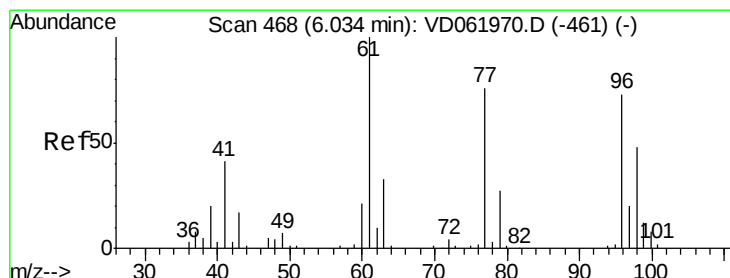
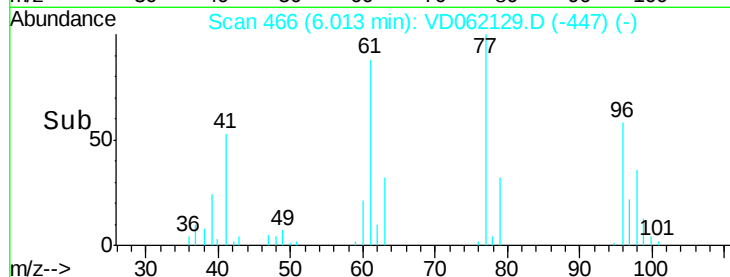
10000

5000

0

Time-->

5.90 6.00 6.10 6.20



#27

cis-1,2-Dichloroethene

Concen: 17.314 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

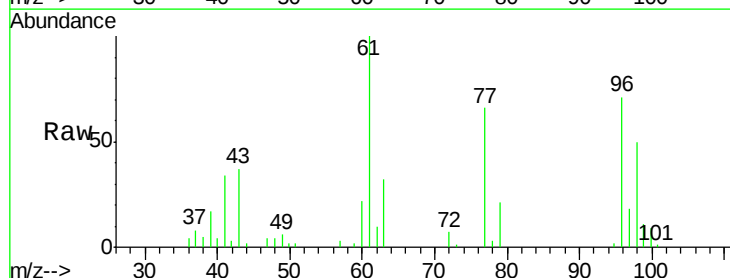
Tgt Ion: 96 Resp: 72316

Ion Ratio Lower Upper

96 100

61 141.2 0.0 279.8

98 71.1 0.0 136.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

40000

30000

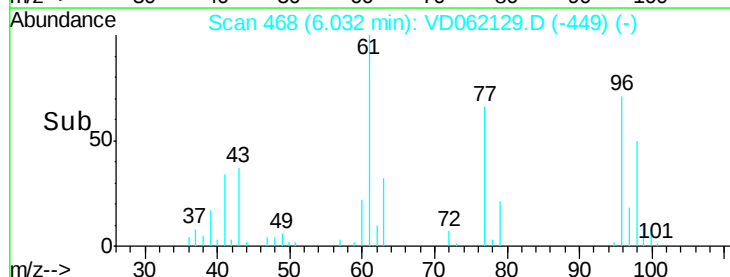
20000

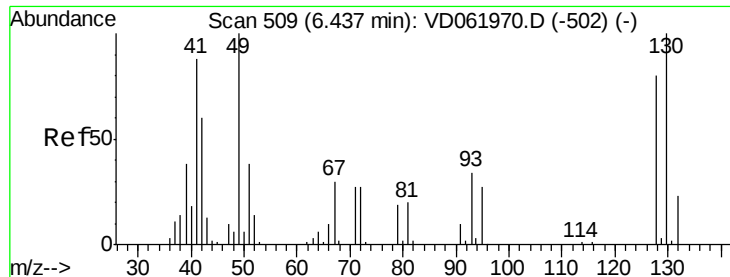
10000

0

Time-->

5.90 6.00 6.10 6.20

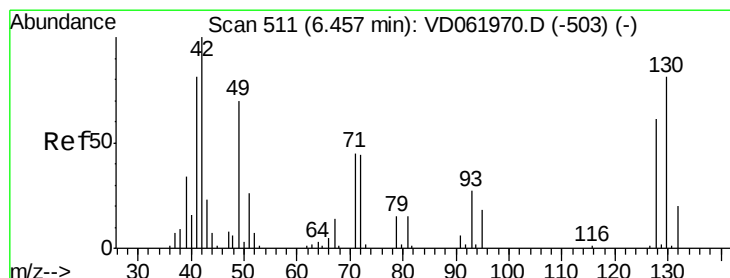
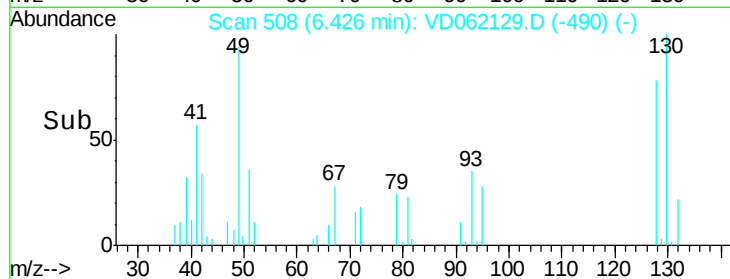
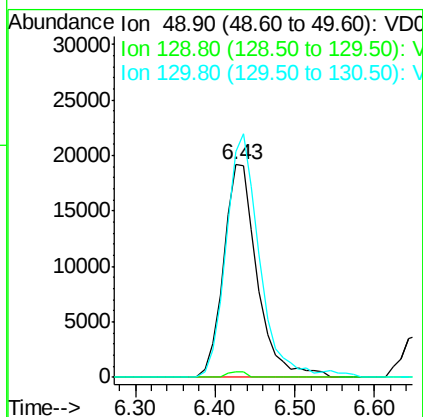
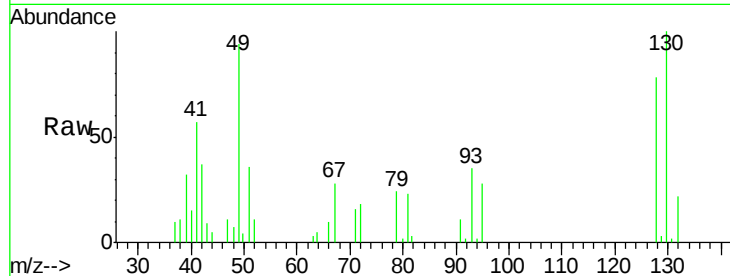




#28
 Bromochloromethane
 Concen: 23.928 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.03 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

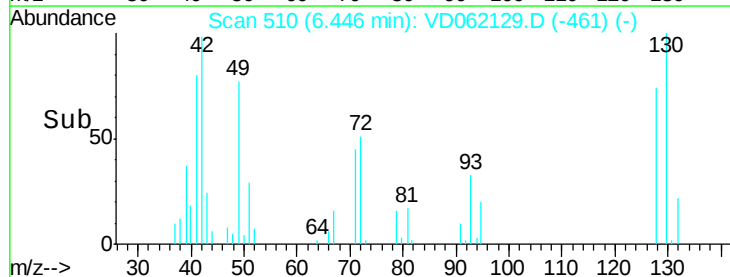
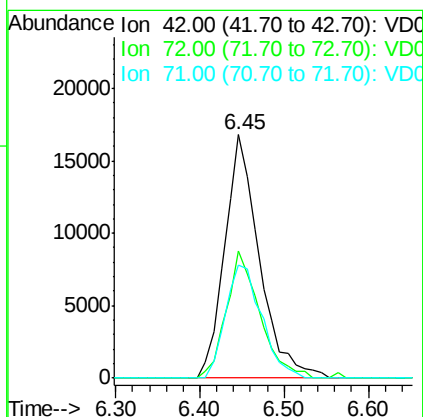
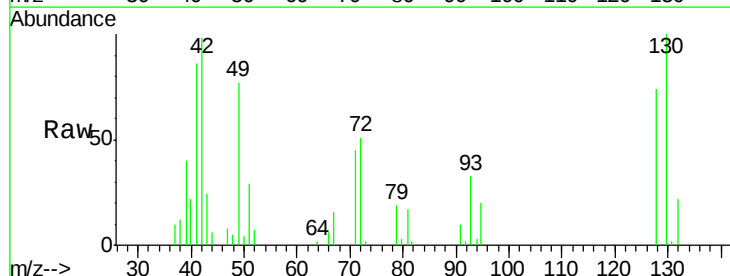
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

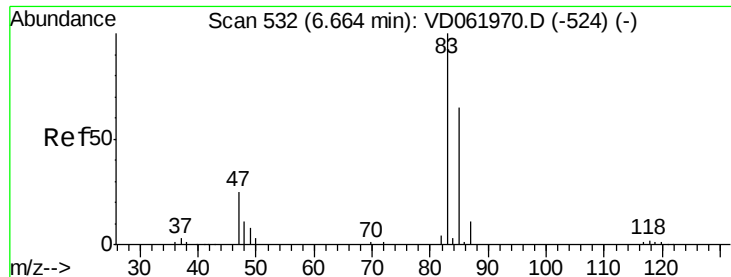
Tot Ion: 49 Resp: 56462
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 6.6
 130 106.3 86.7 130.1



#29
 Tetrahydrofuran
 Concen: 109.518 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion: 42 Resp: 48006
 Ion Ratio Lower Upper
 42 100
 72 50.7 37.8 56.6
 71 48.3 36.7 55.1

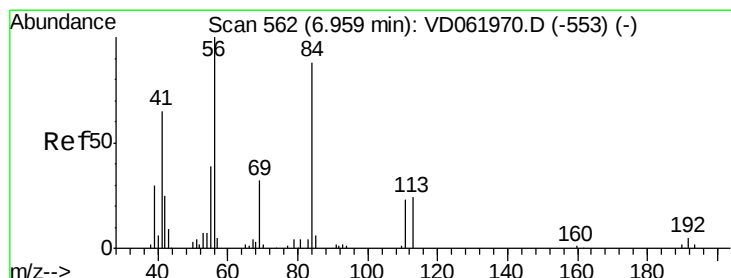
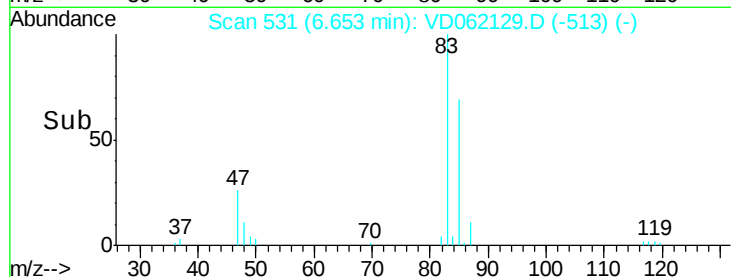
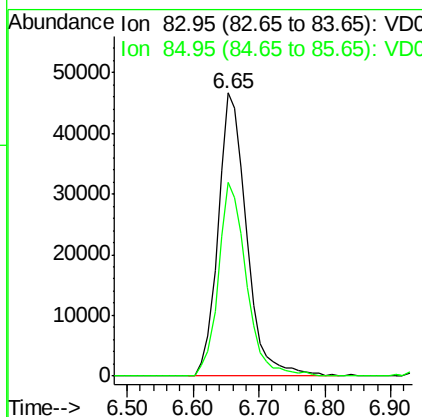
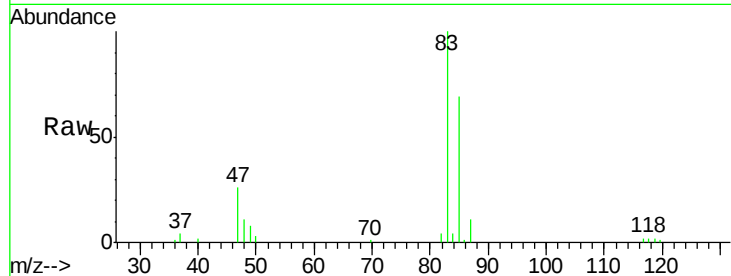




#30
Chloroform
Concen: 20.015 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

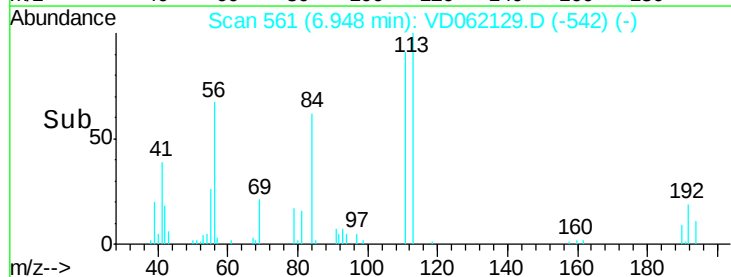
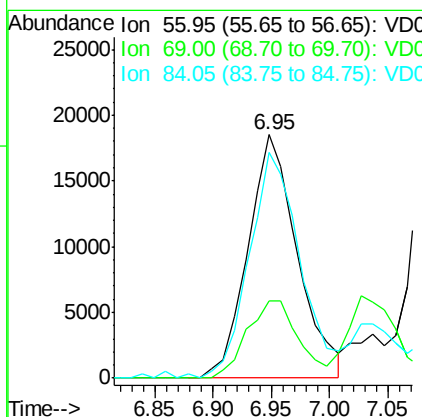
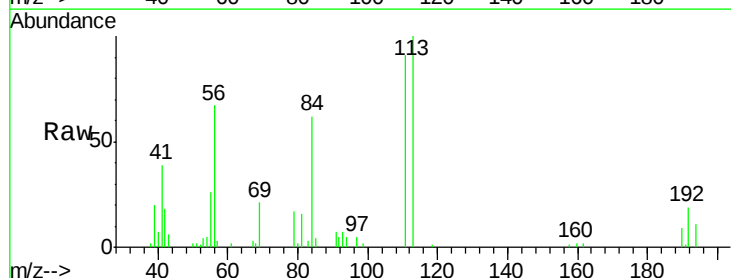
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

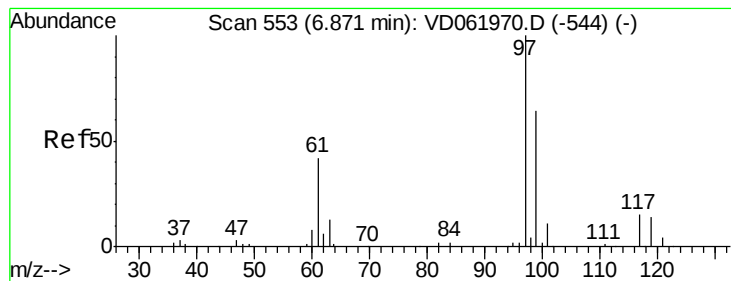
Tot Ion: 83 Resp: 140194
Ion Ratio Lower Upper
83 100
85 68.7 51.7 77.5



#31
Cyclohexane
Concen: 11.873 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion: 56 Resp: 54347
Ion Ratio Lower Upper
56 100
69 31.6 25.8 38.6
84 92.5 72.2 108.4





#32

1,1,1-Trichloroethane

Concen: 18.879 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

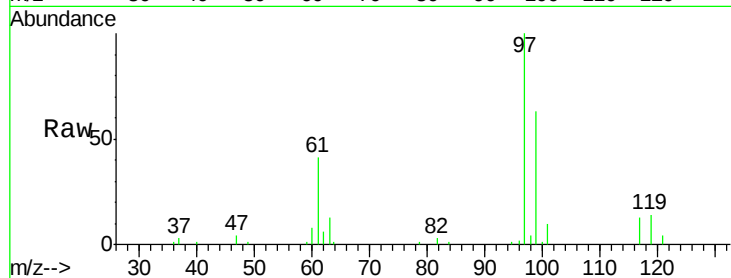
Tot Ion: 97 Resp: 115060

Ion Ratio Lower Upper

97 100

99 63.2 52.2 78.2

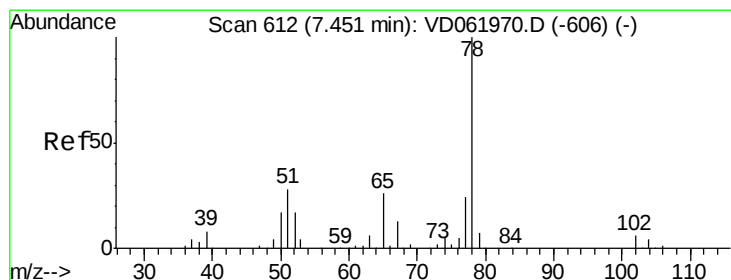
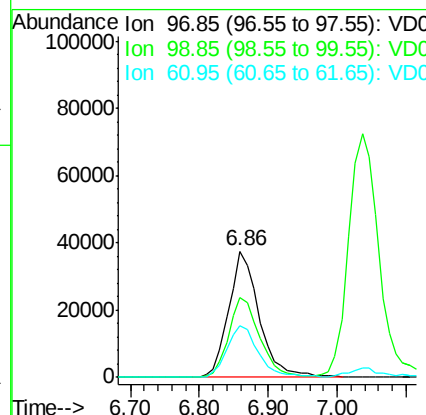
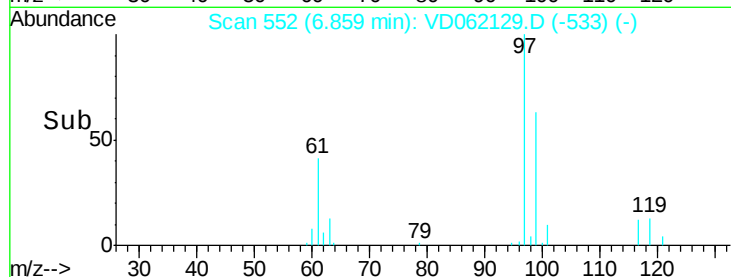
61 41.2 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 61.567 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062129.D

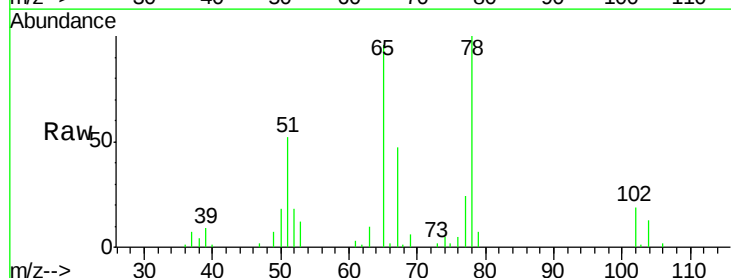
Acq: 6 May 2019 14:28

Tgt Ion: 65 Resp: 189200

Ion Ratio Lower Upper

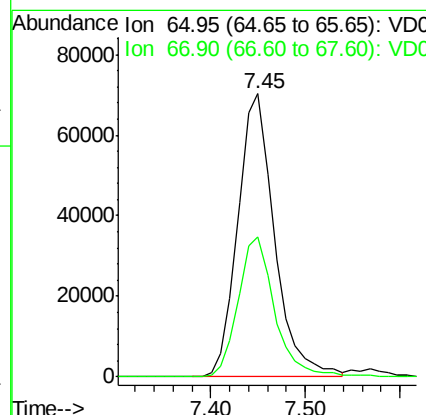
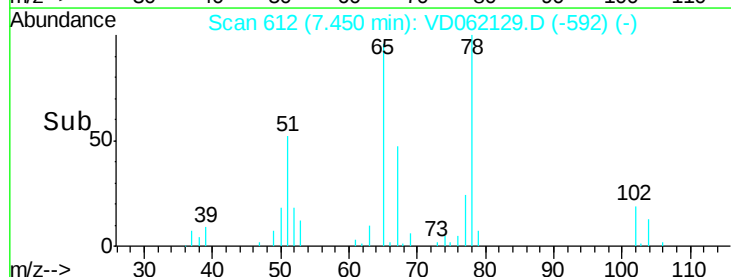
65 100

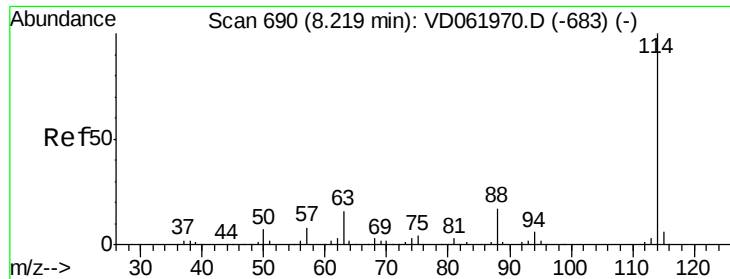
67 49.3 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

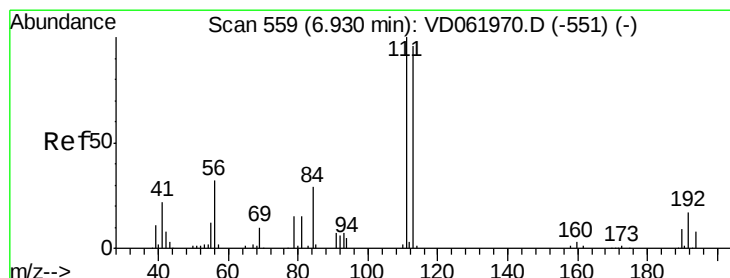
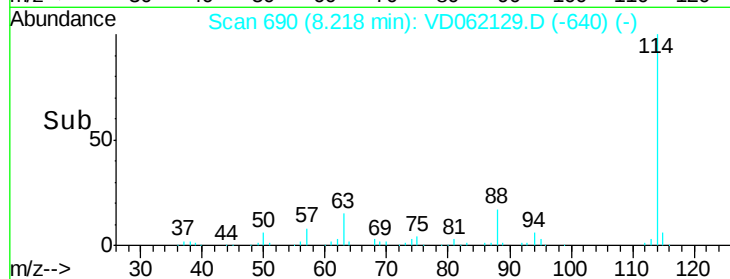
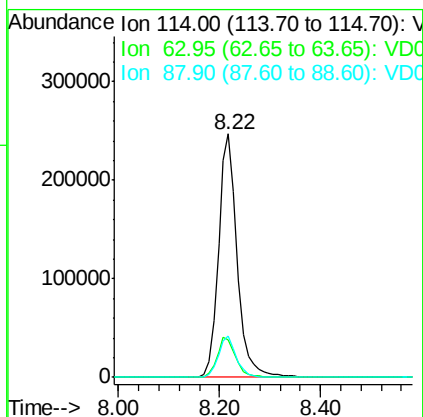
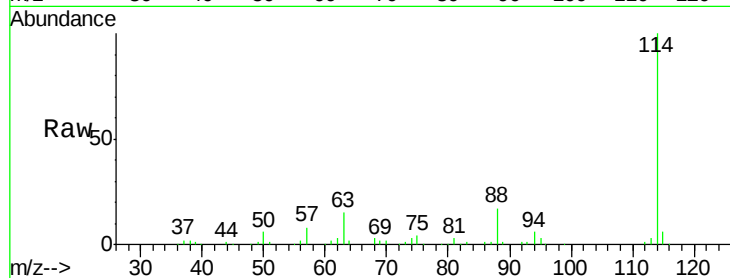




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

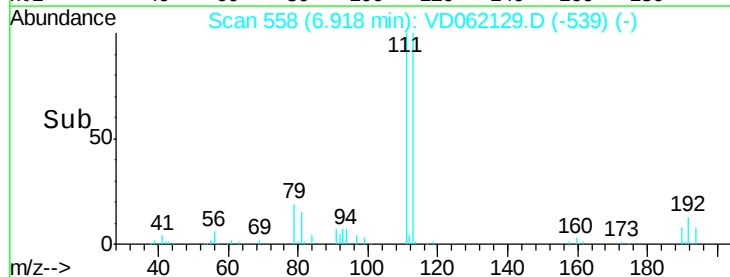
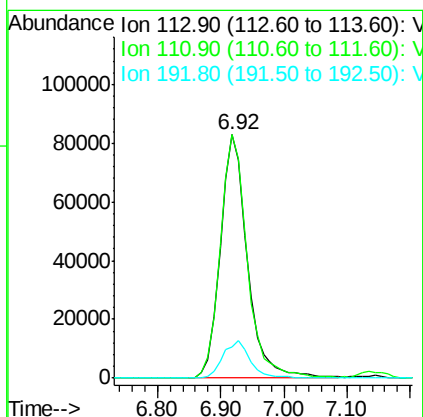
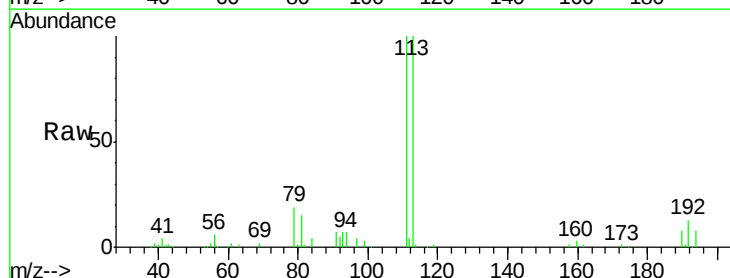
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

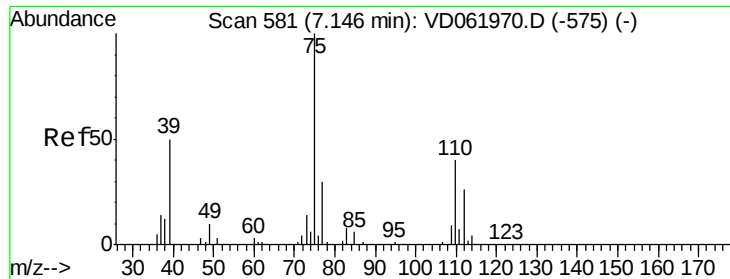
Tot Ion:114 Resp: 635452
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 32.4
 88 16.9 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 56.237 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion:113 Resp: 247147
 Ion Ratio Lower Upper
 113 100
 111 100.1 78.5 117.7
 192 12.9 13.0 19.4#

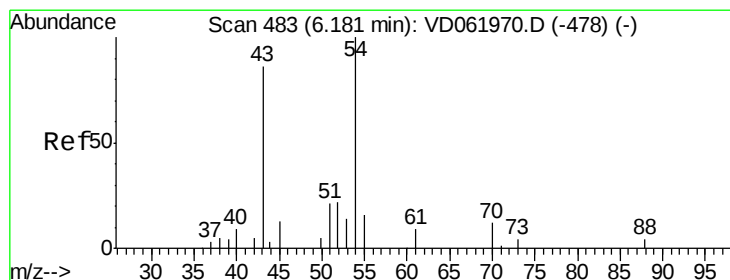
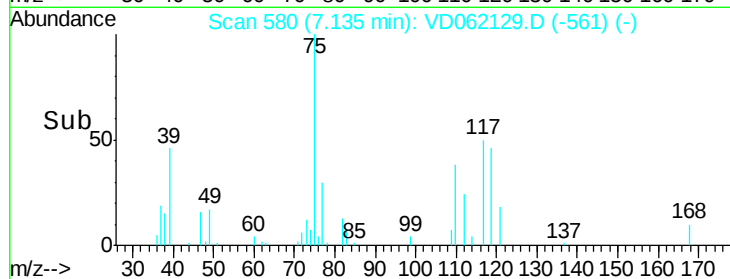
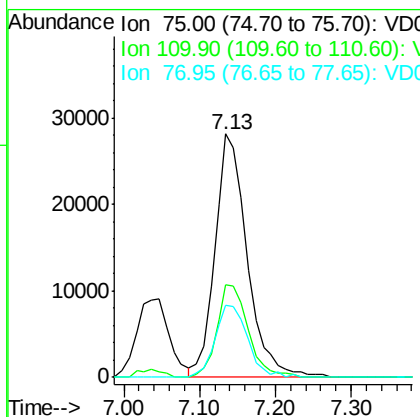
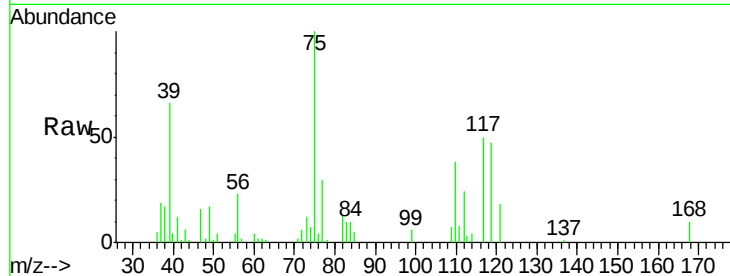




#36
 1,1-Dichloropropene
 Concen: 16.792 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

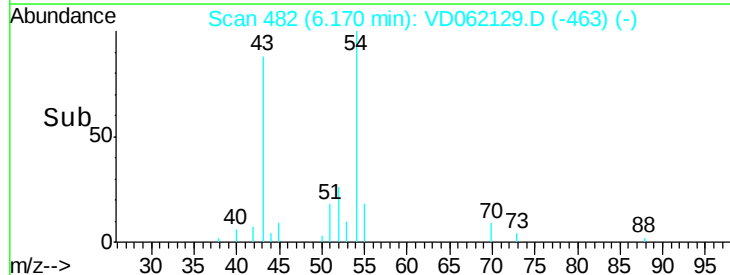
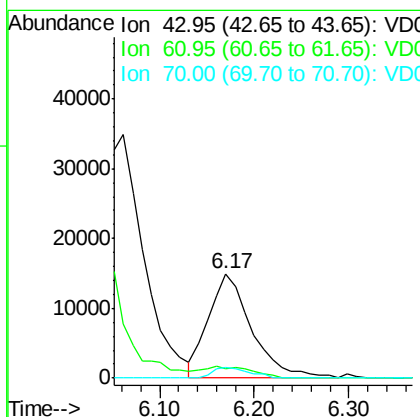
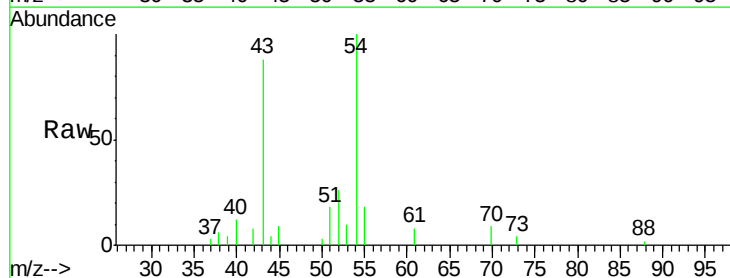
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

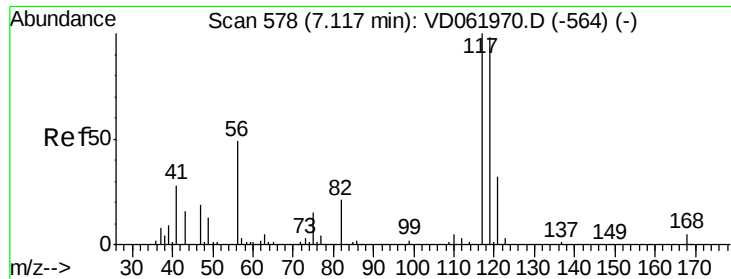
Tot Ion	75	Resp	83137
Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.1
77	29.8	25.6	38.4



#37
 Ethyl Acetate
 Concen: 22.529 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion	43	Resp	47531
Ion	Ratio	Lower	Upper
43	100		
61	9.2	14.7	22.1#
70	10.0	7.8	11.6





#38

Carbon Tetrachloride

Concen: 18.417 ug/l

RT: 7.11 min Scan# 577

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

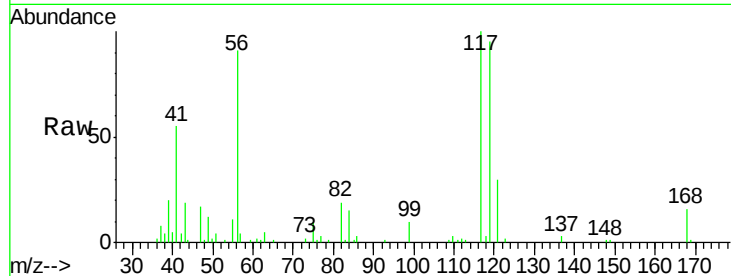
Tot Ion:117 Resp: 115541

Ion Ratio Lower Upper

117 100

119 94.8 75.8 113.8

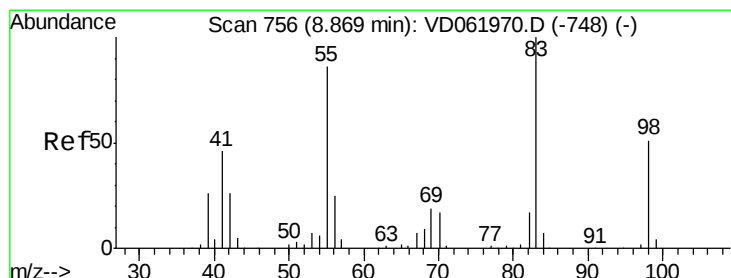
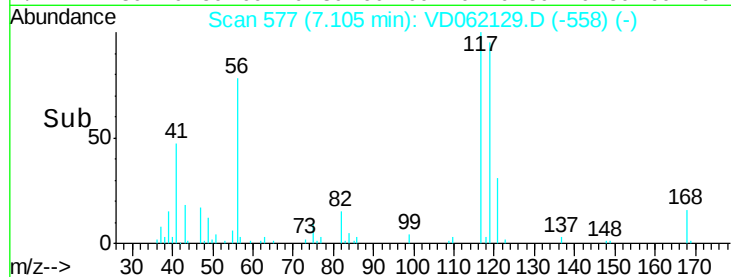
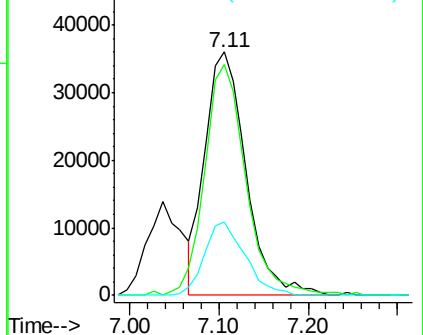
121 30.3 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 14.638 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

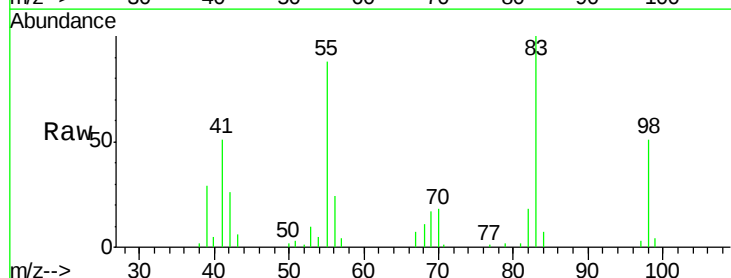
Tgt Ion: 83 Resp: 71503

Ion Ratio Lower Upper

83 100

55 88.2 68.2 102.4

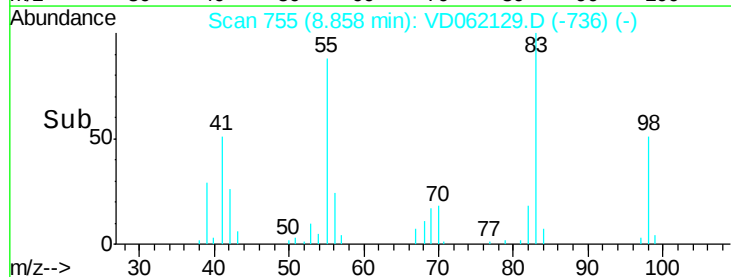
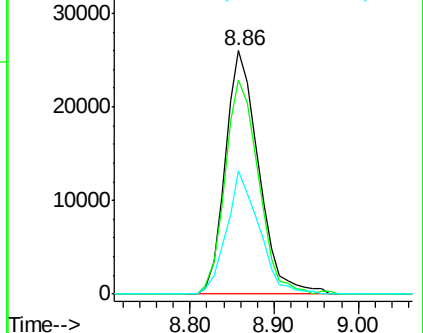
98 50.9 38.2 57.4

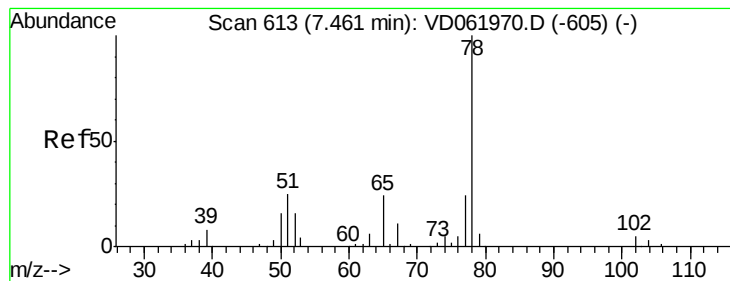


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 17.225 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

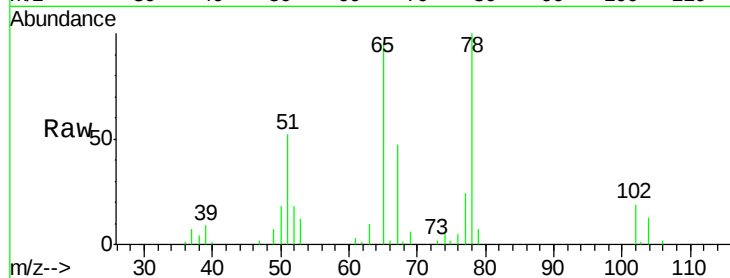
VD0506SBS01

Tot Ion: 78 Resp: 211126

Ion Ratio Lower Upper

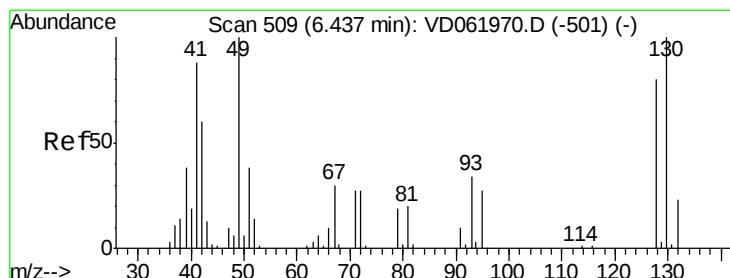
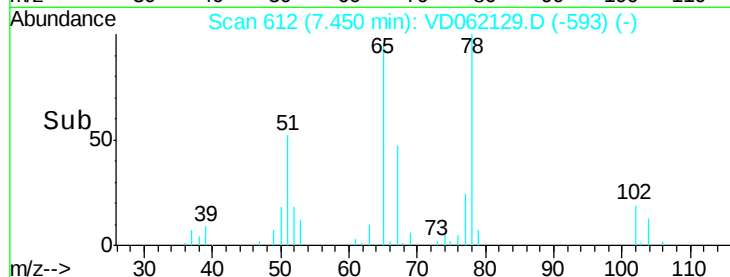
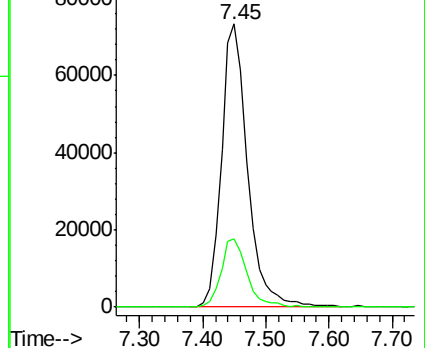
78 100

77 24.3 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 24.339 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Tgt Ion: 41 Resp: 59912

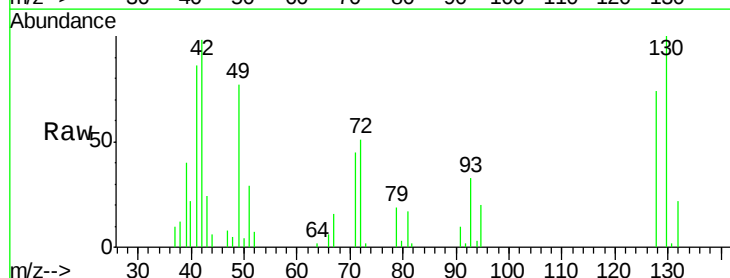
Ion Ratio Lower Upper

41 100

39 46.5 34.1 51.1

67 18.4 23.8 35.6#

52 8.3 8.8 13.2#

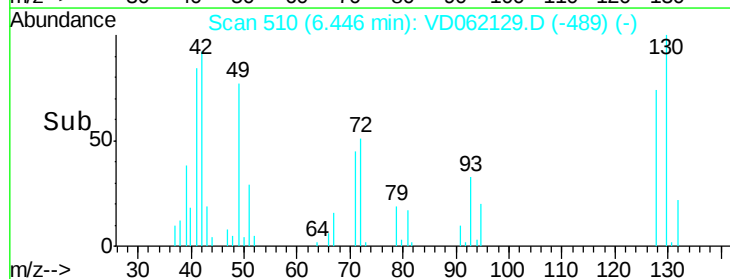
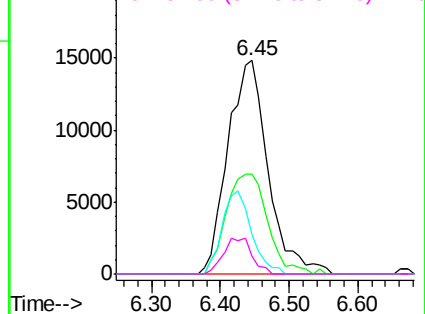


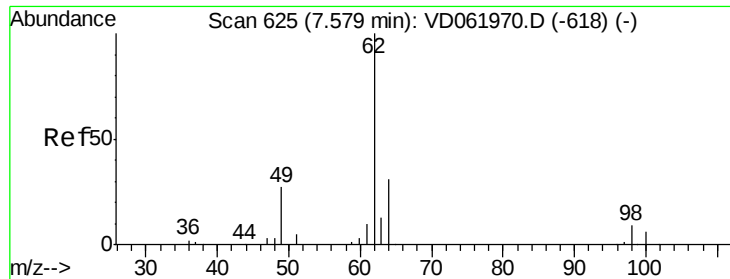
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

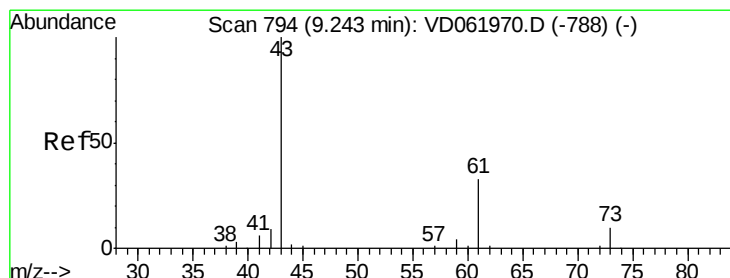
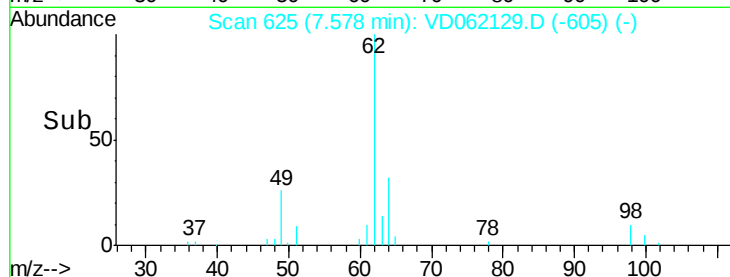
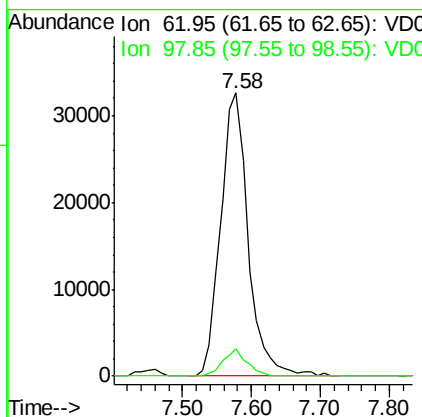
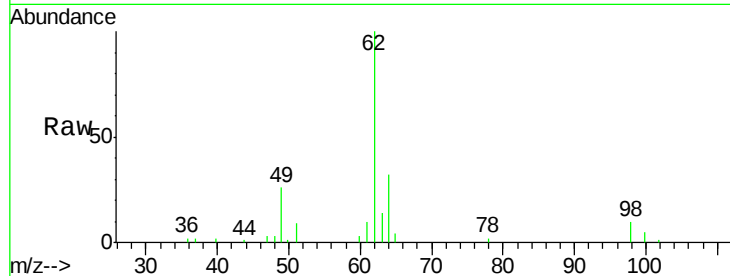




#42
 1,2-Dichloroethane
 Concen: 21.681 ug/l
 RT: 7.58 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

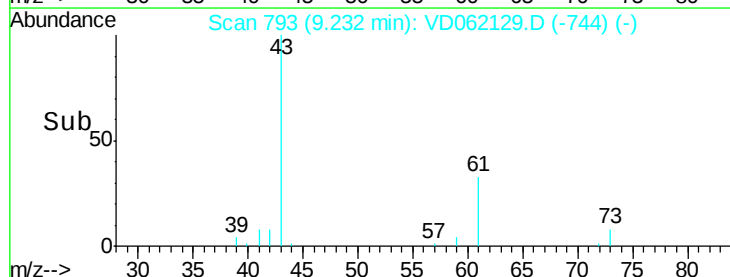
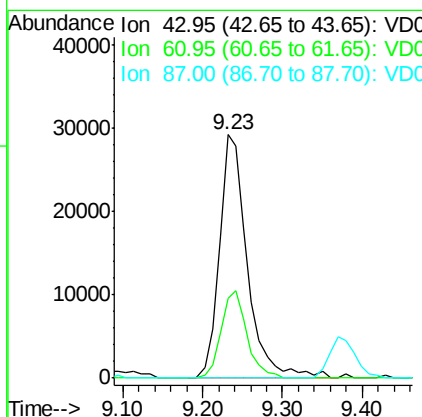
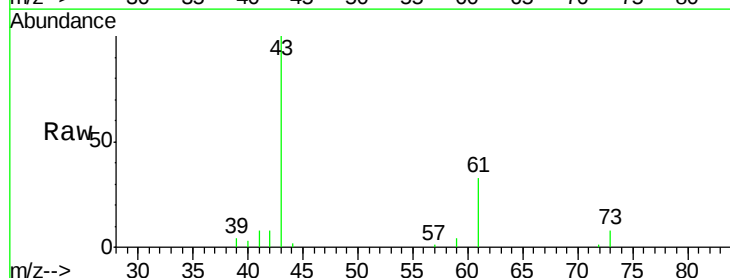
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

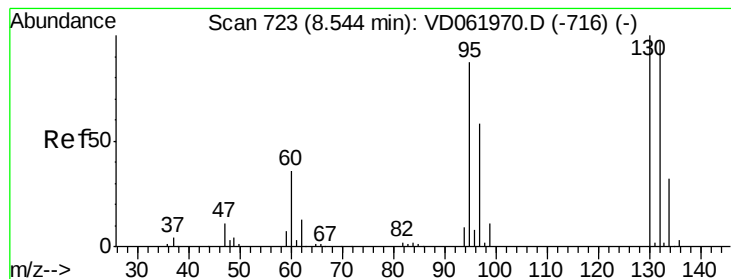
Tot Ion: 62 Resp: 90226
 Ion Ratio Lower Upper
 62 100
 98 9.5 0.0 17.8



#43
 Isopropyl Acetate
 Concen: 23.202 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion: 43 Resp: 71522
 Ion Ratio Lower Upper
 43 100
 61 32.6 25.1 37.7
 87 0.0 0.0 0.0





#44

Trichloroethene

Concen: 18.744 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

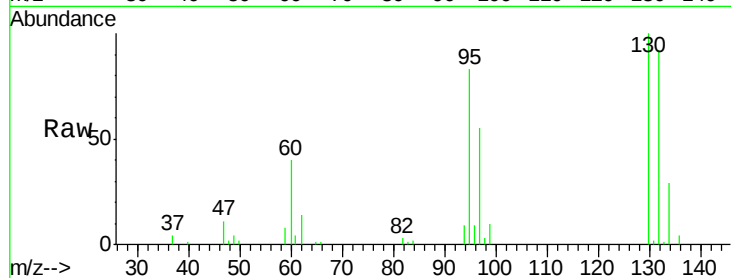
VD0506SBS01

Tot Ion:130 Resp: 89065

Ion Ratio Lower Upper

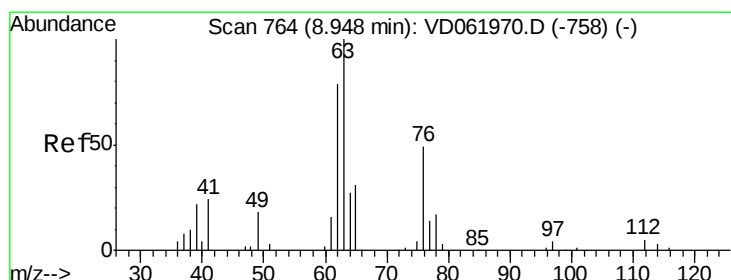
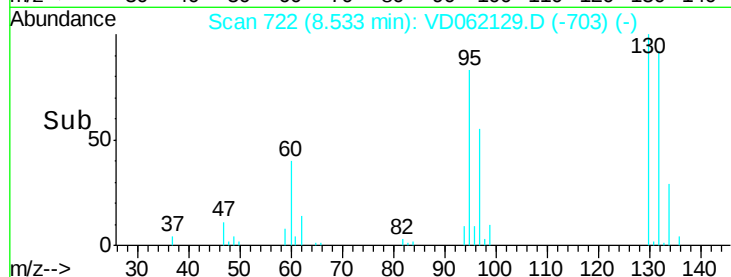
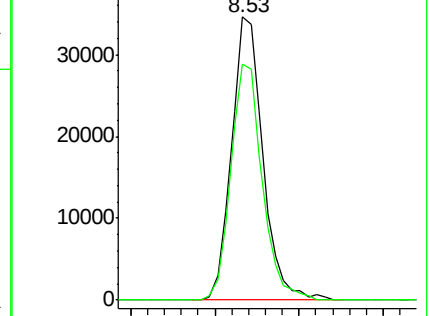
130 100

95 83.4 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#45

1,2-Dichloropropane

Concen: 19.649 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062129.D

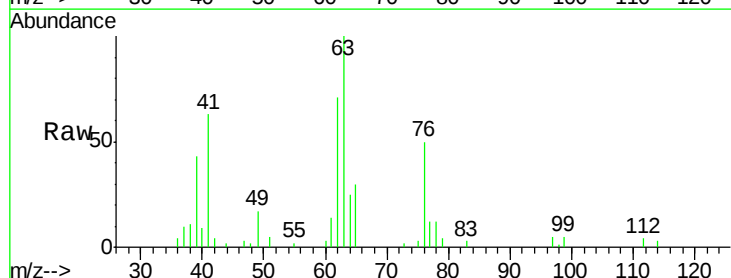
Acq: 6 May 2019 14:28

Tgt Ion: 63 Resp: 61095

Ion Ratio Lower Upper

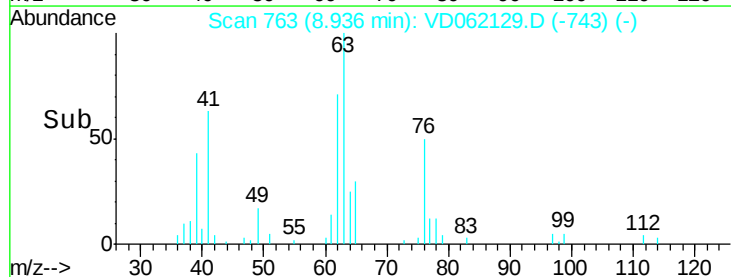
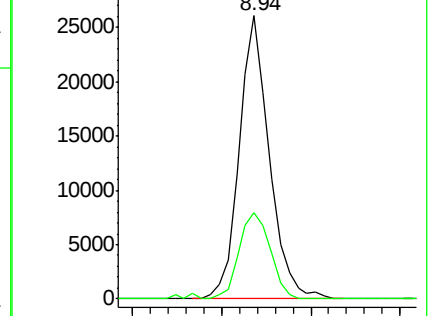
63 100

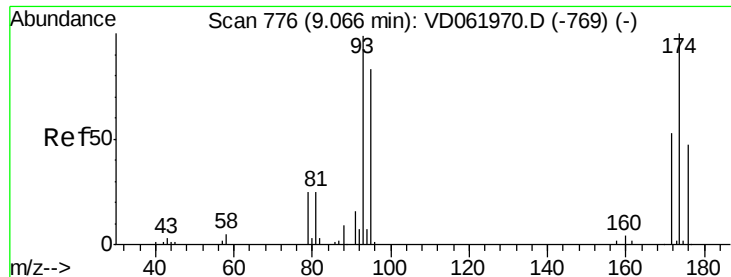
65 30.4 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

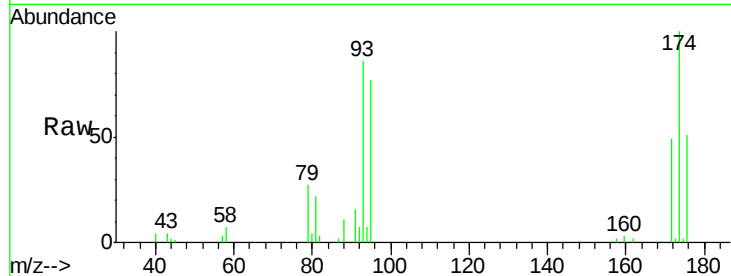




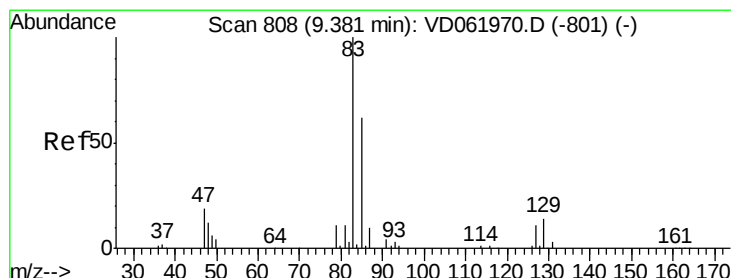
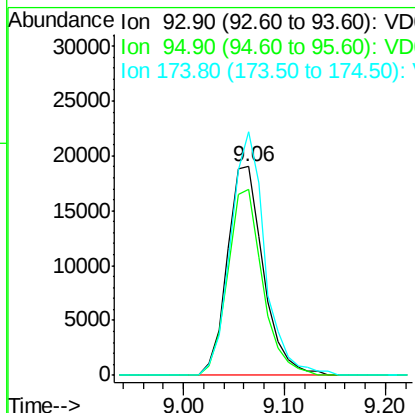
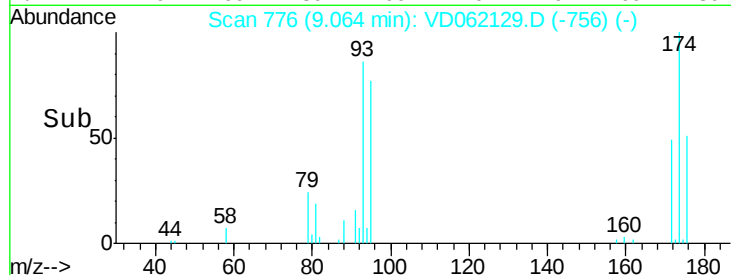
#46
Dibromomethane
Concen: 21.124 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion: 93 Resp: 47263
Ion Ratio Lower Upper
93 100
95 89.4 64.8 97.2
174 116.6 79.3 118.9

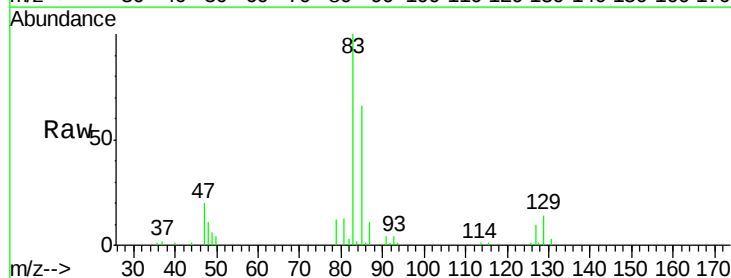


Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V

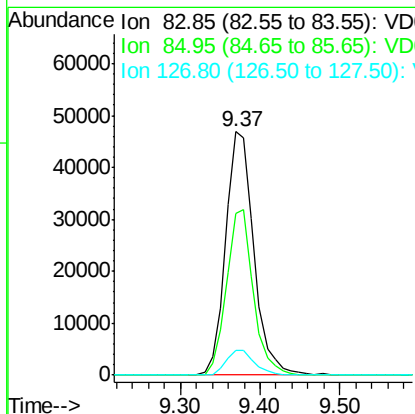
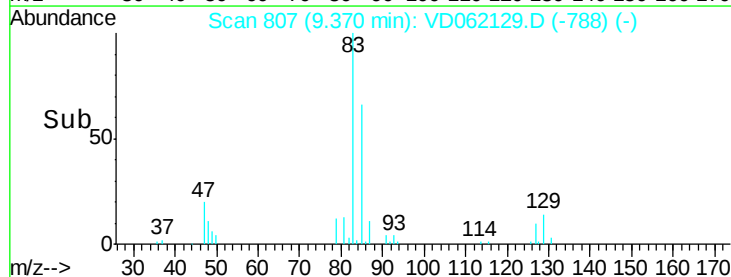


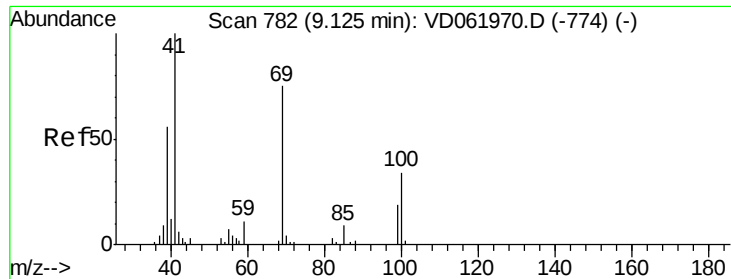
#47
Bromodichloromethane
Concen: 22.049 ug/l
RT: 9.37 min Scan# 807
Delta R.T. -0.02 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion: 83 Resp: 116563
Ion Ratio Lower Upper
83 100
85 66.2 50.9 76.3
127 10.1 8.1 12.1



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

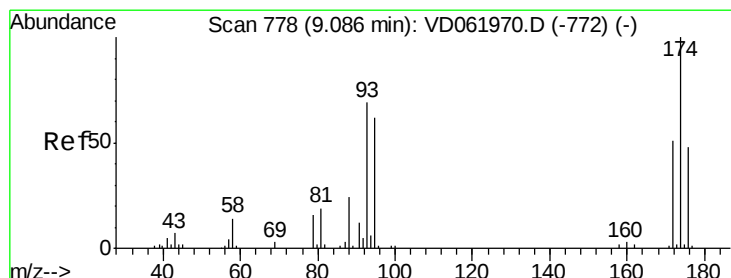
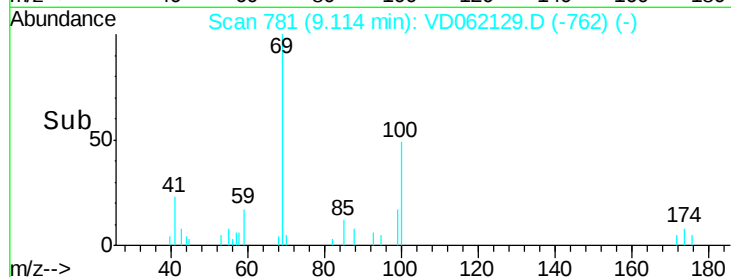
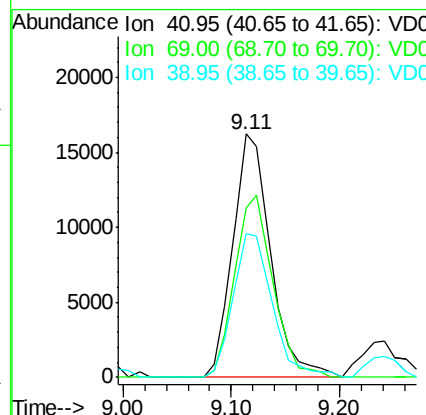
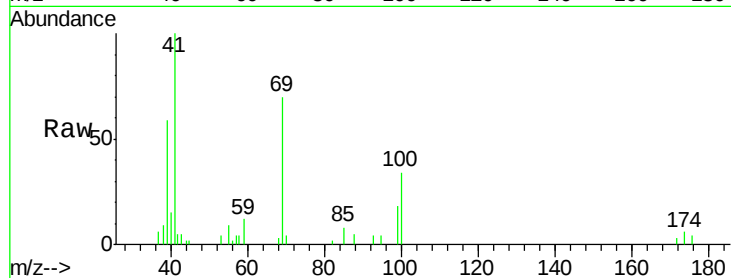




#48
Methvl methacrylate
Concen: 22.509 ug/l
RT: 9.11 min Scan# 781
Delta R.T. -0.02 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

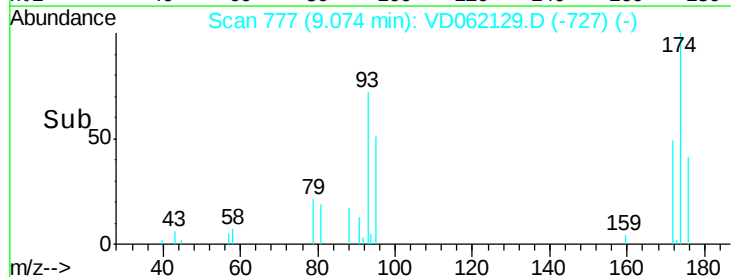
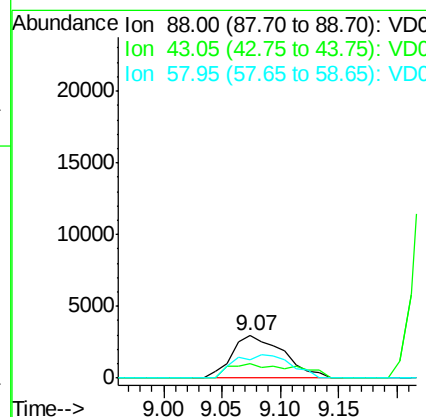
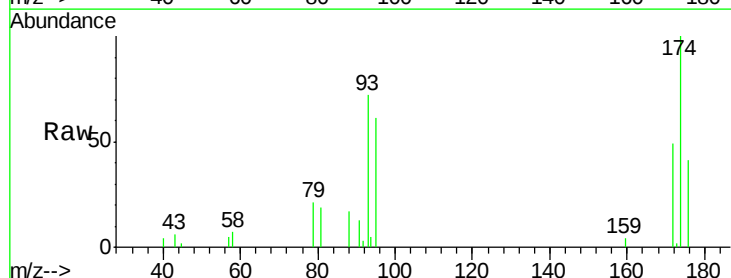
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

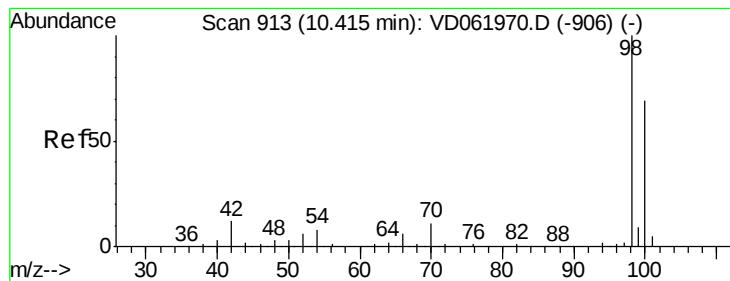
Tot Ion: 41 Resp: 39588
Ion Ratio Lower Upper
41 100
69 69.5 64.2 96.2
39 58.8 46.8 70.2



#49
1,4-Dioxane
Concen: 475.951 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion: 88 Resp: 9025
Ion Ratio Lower Upper
88 100
43 34.9 23.4 35.0
58 44.0 44.0 66.0#





#50

Toluene-d8

Concen: 51.655 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

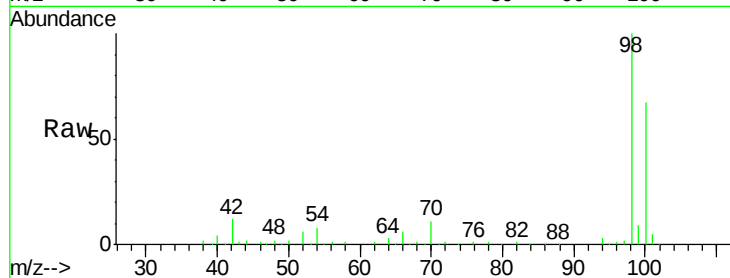
VD0506SBSD01

Tot Ion: 98 Resp: 540176

Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

10.41

250000

200000

150000

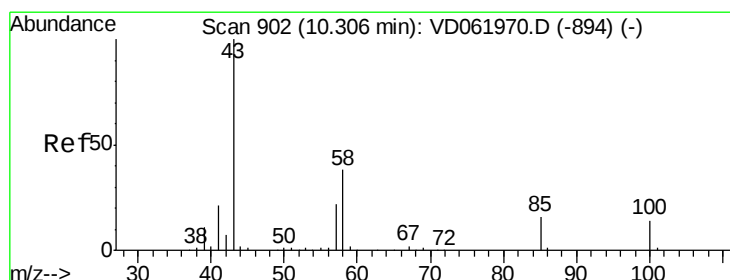
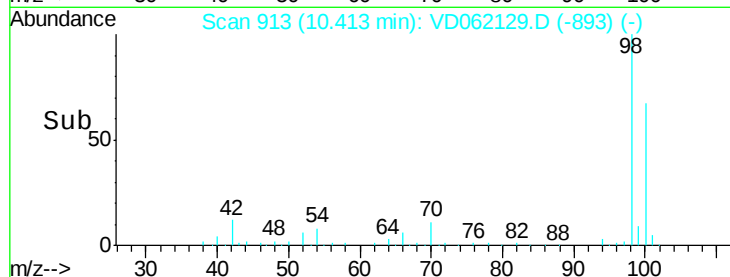
100000

50000

0

Time-->

10.30 10.40 10.50 10.60



#51

4-Methyl-2-Pentanone

Concen: 126.795 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062129.D

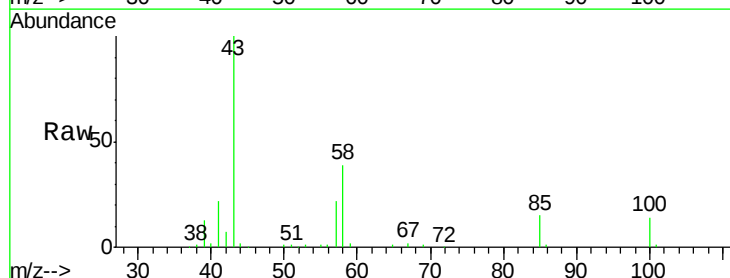
Acq: 6 May 2019 14:28

Tgt Ion: 43 Resp: 239034

Ion Ratio Lower Upper

43 100

58 38.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)

Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)

10.30

100000

80000

60000

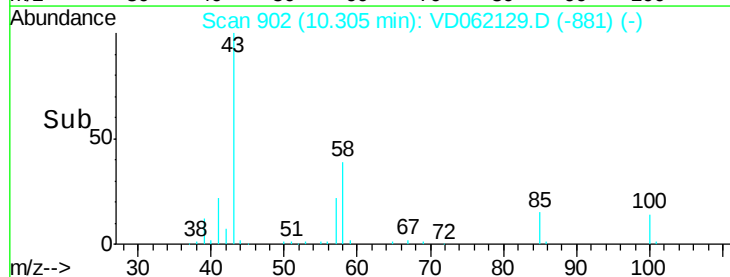
40000

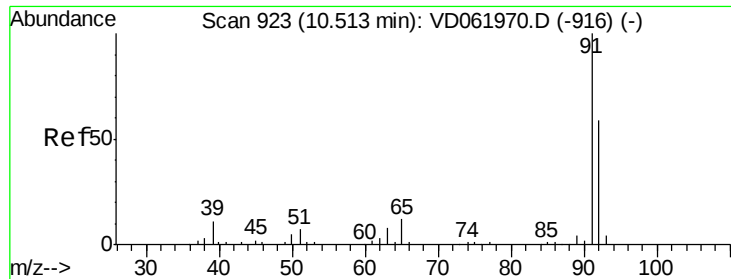
20000

0

Time-->

10.20 10.30 10.40





#52

Toluene

Concen: 19.452 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

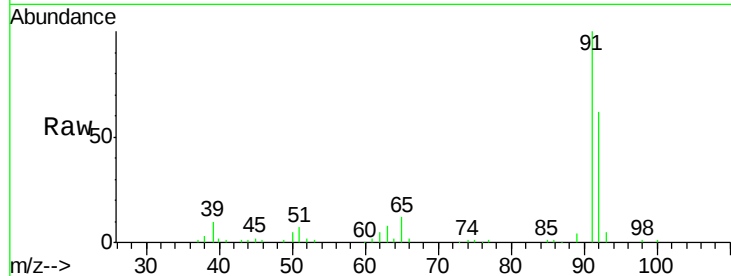
VD0506SBS01

Tot Ion: 92 Resp: 152015

Ion Ratio Lower Upper

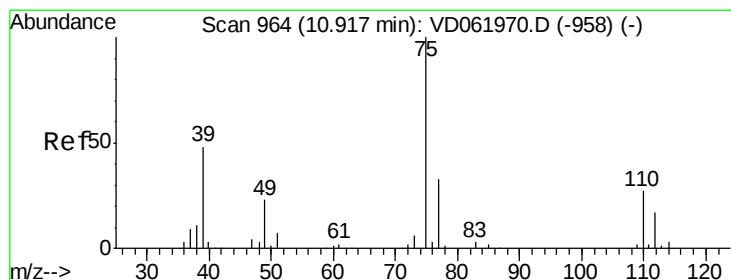
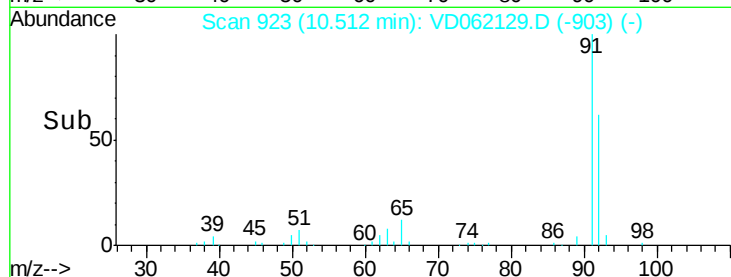
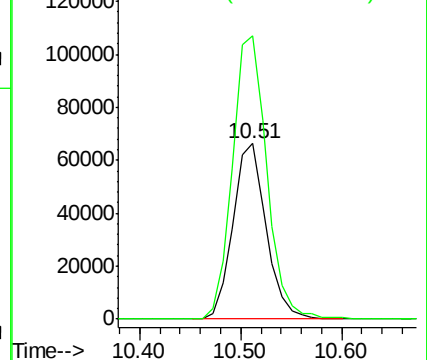
92 100

91 161.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 25.995 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD062129.D

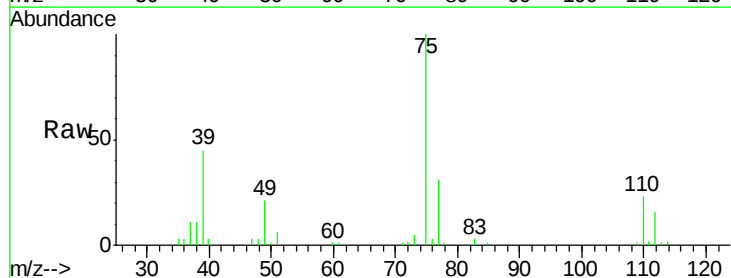
Acq: 6 May 2019 14:28

Tgt Ion: 75 Resp: 115350

Ion Ratio Lower Upper

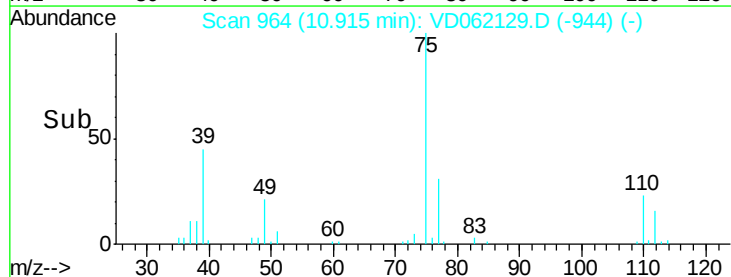
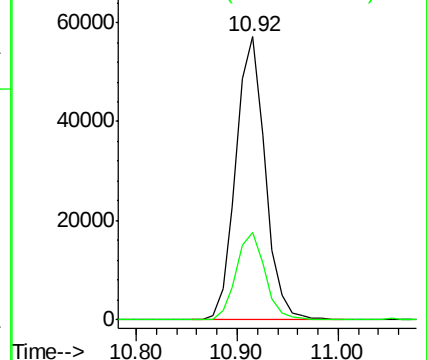
75 100

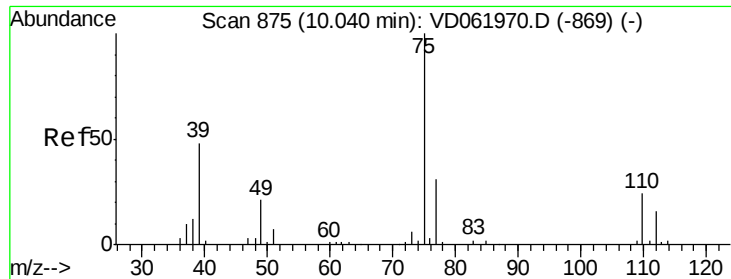
77 30.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



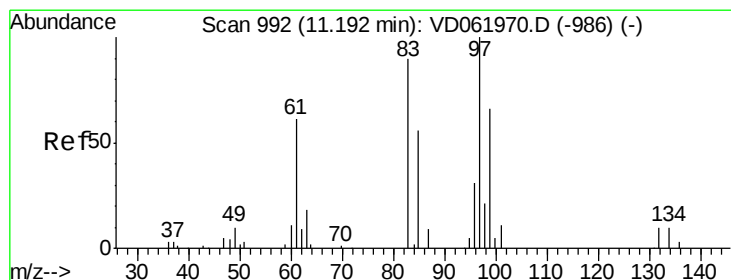
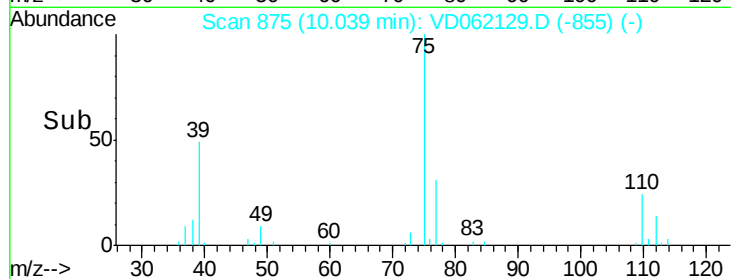
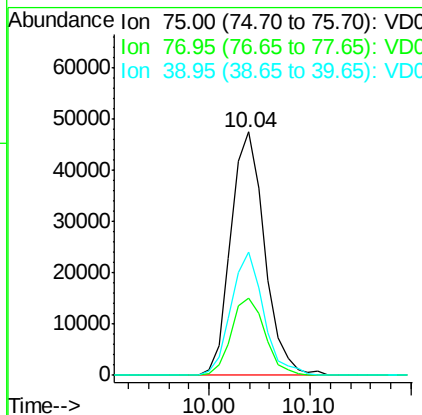
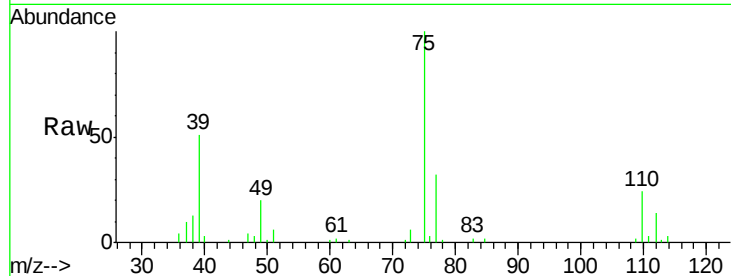


#54

cis-1,3-Dichloropropene
Concen: 20.446 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

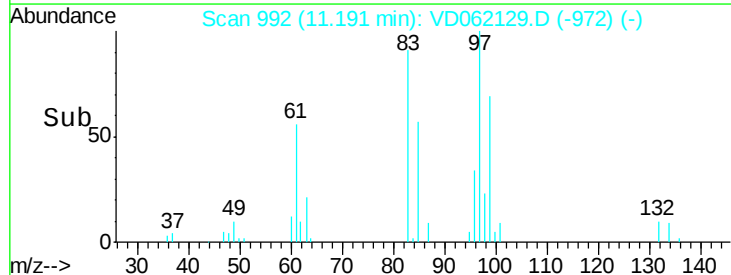
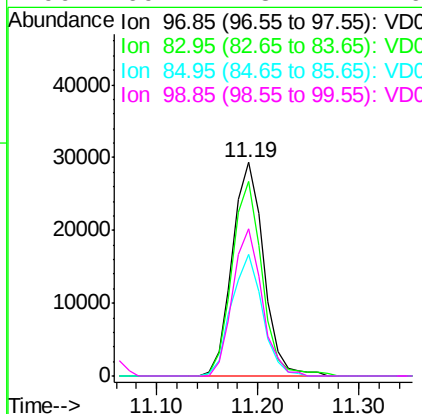
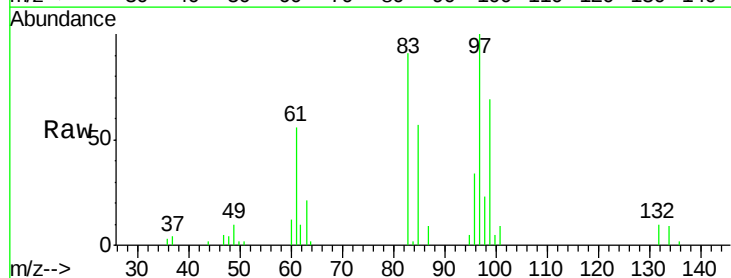
Tot Ion	75	Resp	110347
Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	50.8	39.4	59.2

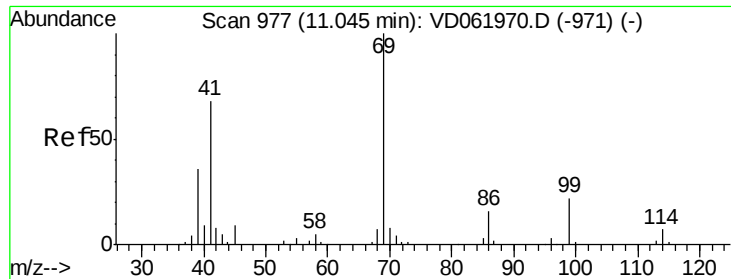


#55

1,1,2-Trichloroethane
Concen: 24.348 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion	97	Resp	63880
Ion	Ratio	Lower	Upper
97	100		
83	91.0	65.7	98.5
85	56.9	45.6	68.4
99	69.2	48.4	72.6





#56

Ethyl methacrylate

Concen: 22.737 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

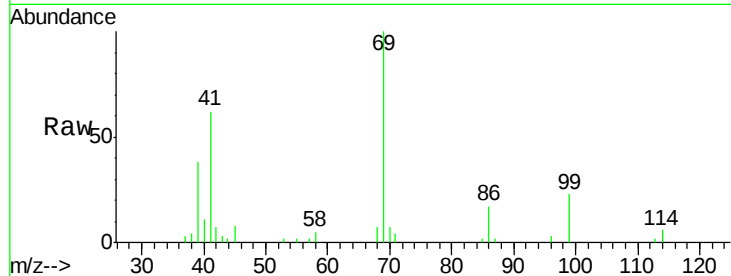
Tot Ion: 69 Resp: 66071

Ion Ratio Lower Upper

69 100

41 62.4 56.3 84.5

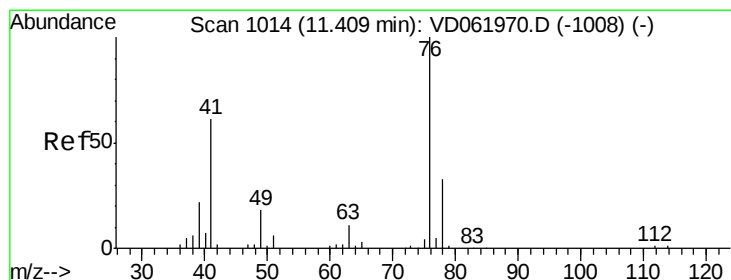
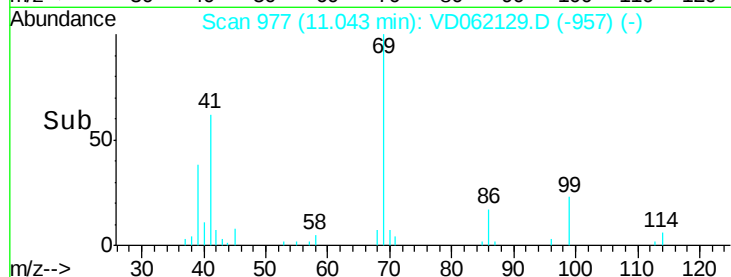
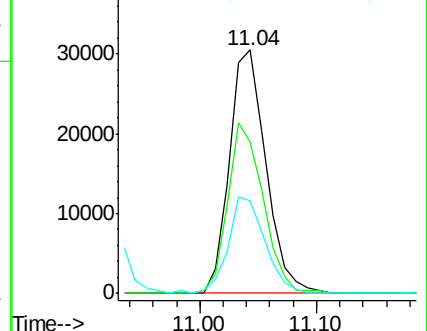
39 37.9 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#57

1,3-Dichloropropane

Concen: 22.596 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD062129.D

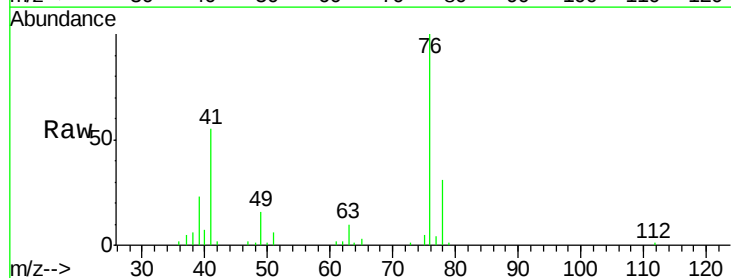
Acq: 6 May 2019 14:28

Tgt Ion: 76 Resp: 91564

Ion Ratio Lower Upper

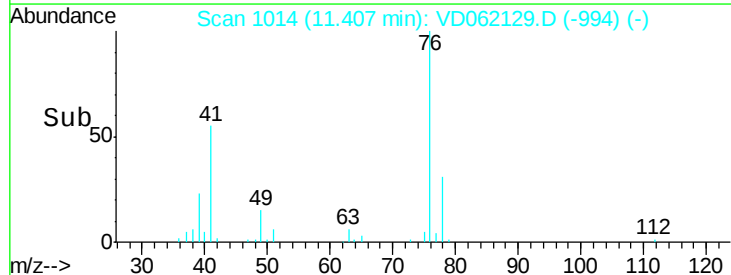
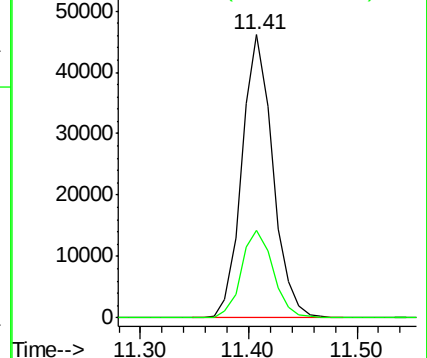
76 100

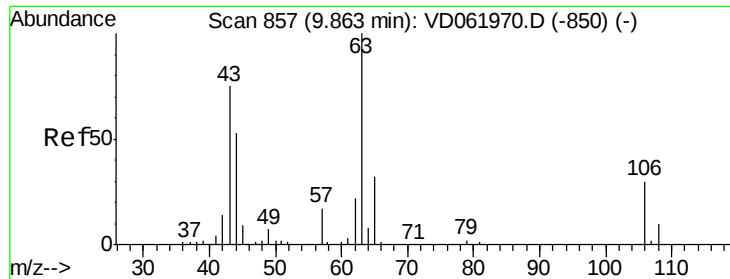
78 30.9 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

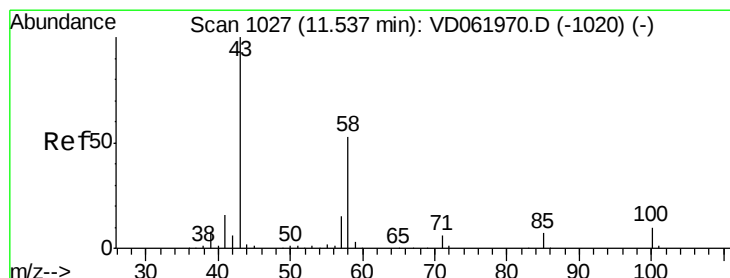
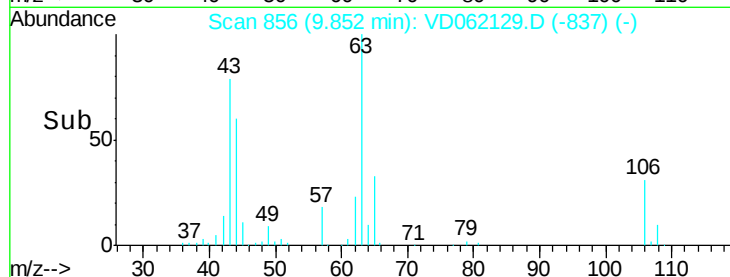
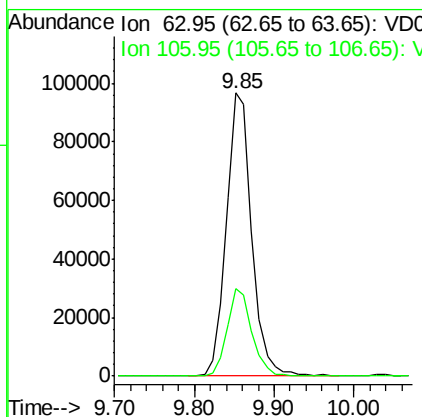
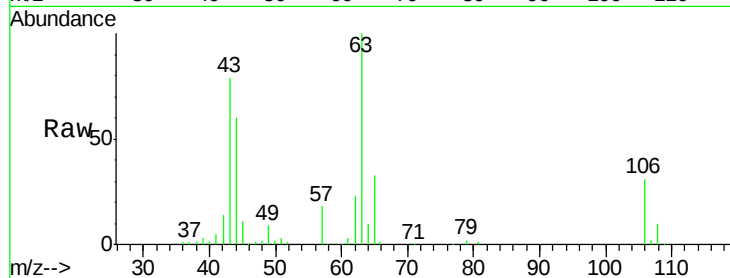




#58
2-Chloroethyl Vinyl ether
Concen: 159.570 ug/l
RT: 9.85 min Scan# 856
Delta R.T. -0.02 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

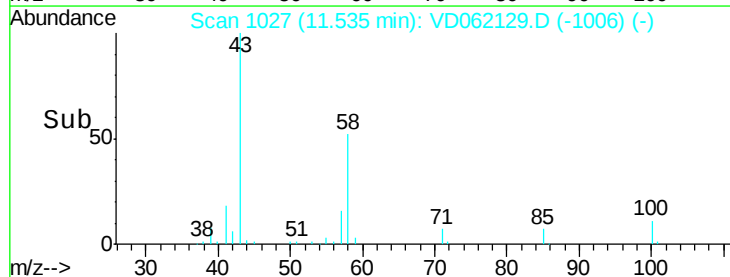
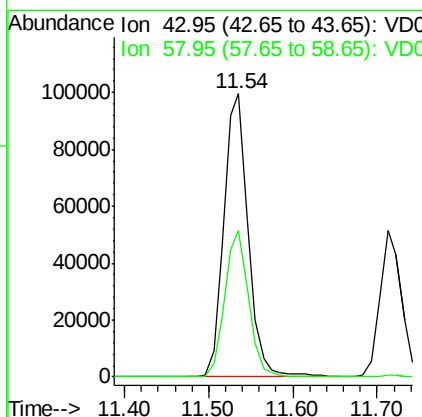
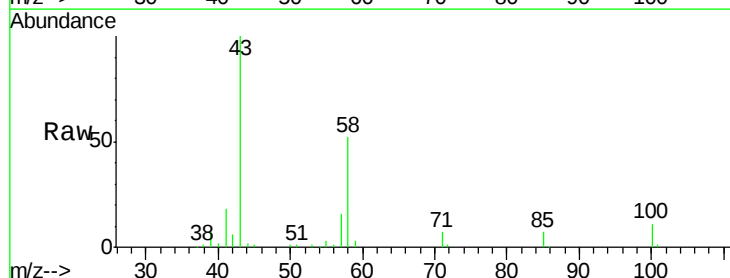
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

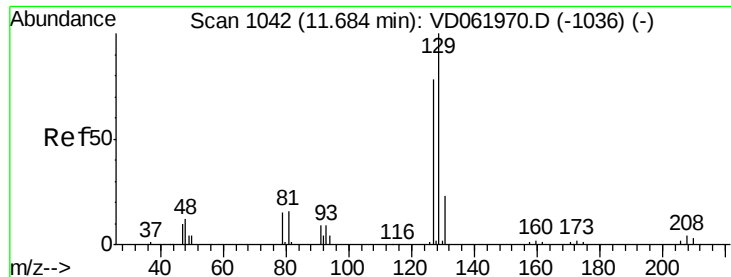
Tot Ion: 63 Resp: 215578
Ion Ratio Lower Upper
63 100
106 30.8 22.6 34.0



#59
2-Hexanone
Concen: 139.645 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion: 43 Resp: 197482
Ion Ratio Lower Upper
43 100
58 51.8 25.4 76.4





#60

Dibromochloromethane

Concen: 24.581 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

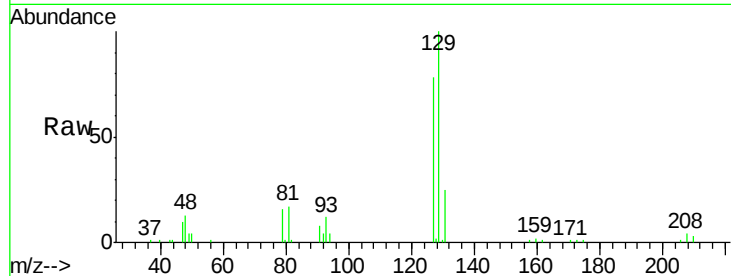
VD0506SBS01

Tot Ion:129 Resp: 106712

Ion Ratio Lower Upper

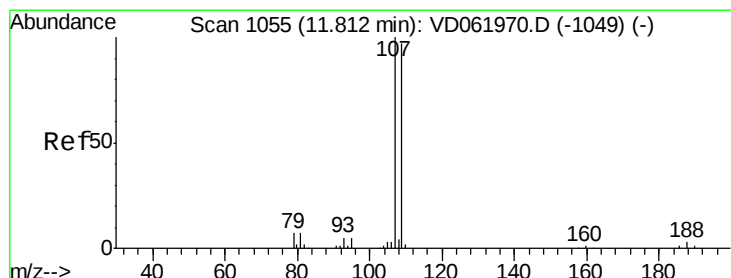
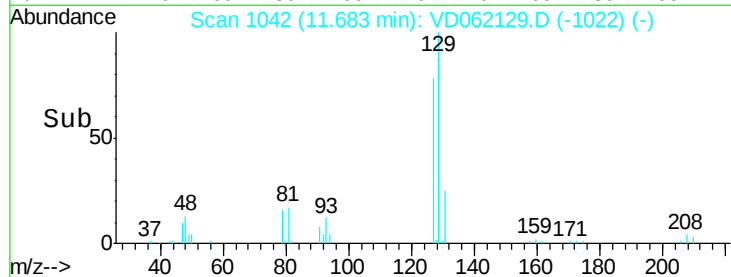
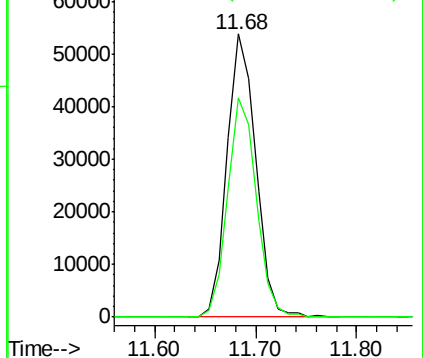
129 100

127 77.7 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 24.315 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VD062129.D

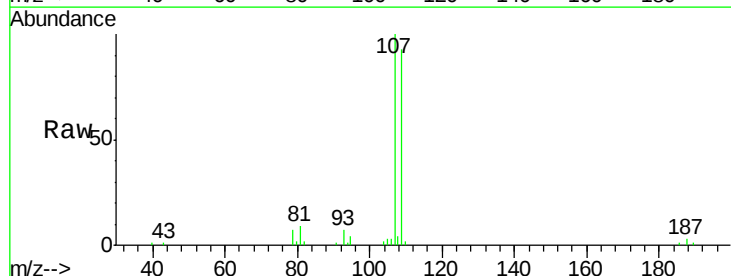
Acq: 6 May 2019 14:28

Tgt Ion:107 Resp: 75677

Ion Ratio Lower Upper

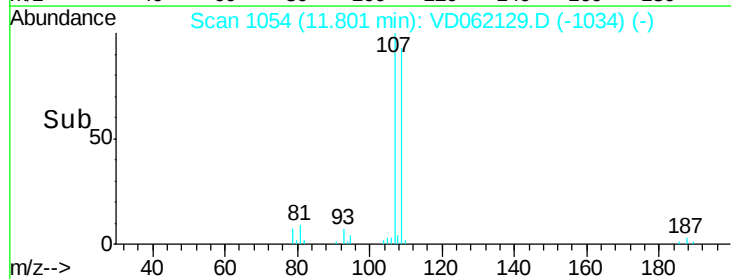
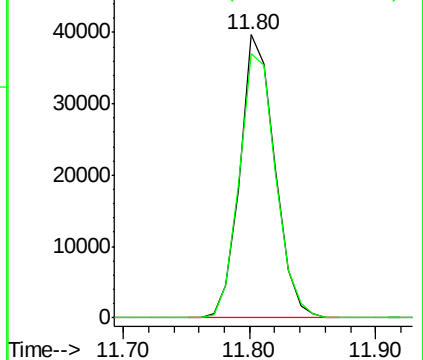
107 100

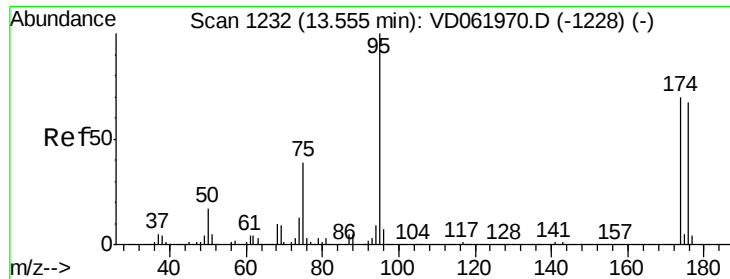
109 93.4 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

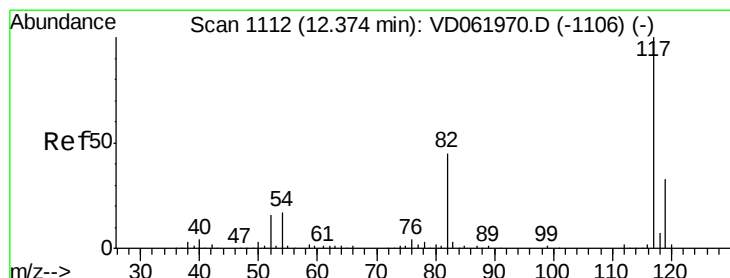
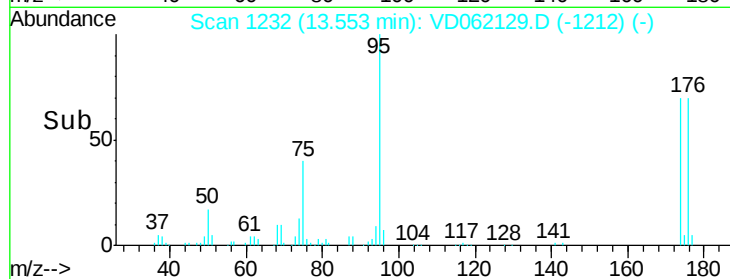
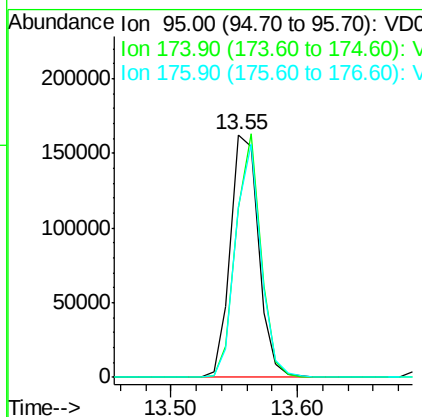
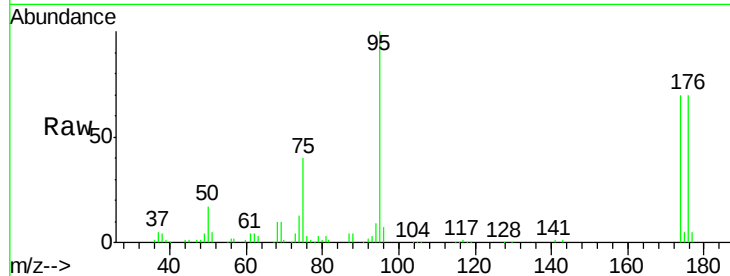




#62
 4-Bromofluorobenzene
 Concen: 59.642 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

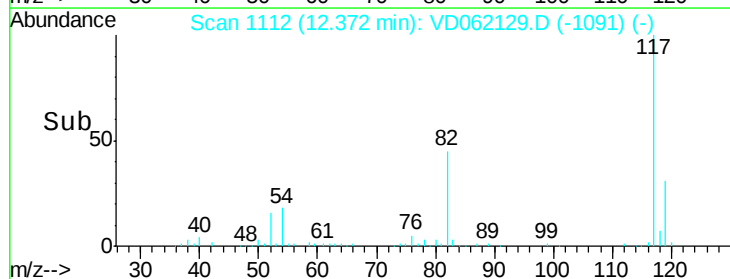
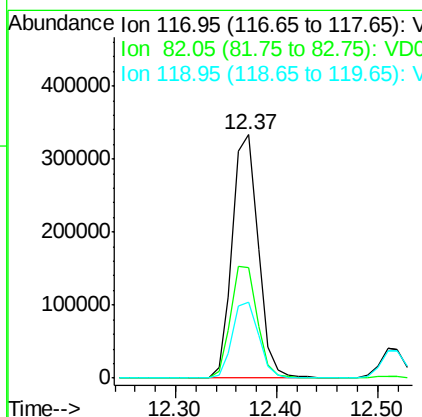
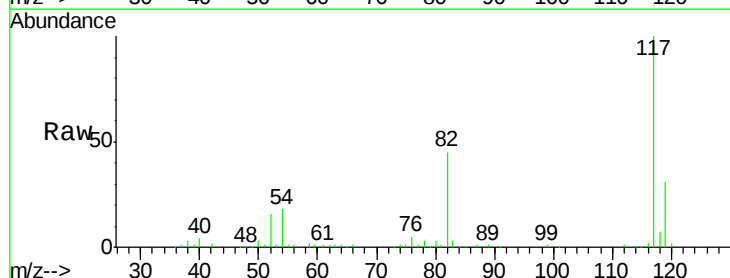
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

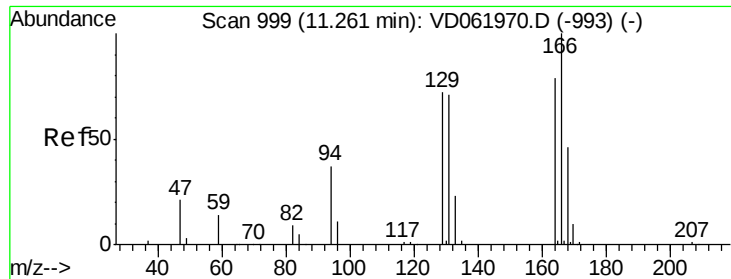
Tot Ion: 95 Resp: 250158
 Ion Ratio Lower Upper
 95 100
 174 69.9 0.0 181.8
 176 70.4 0.0 174.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion: 117 Resp: 596084
 Ion Ratio Lower Upper
 117 100
 82 45.3 36.2 54.2
 119 31.4 26.2 39.4

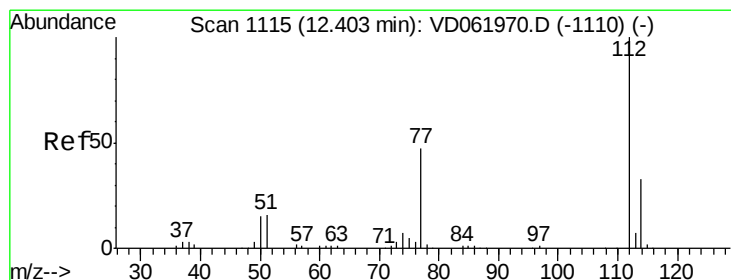
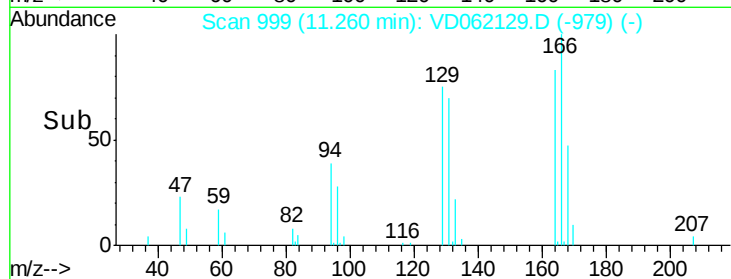
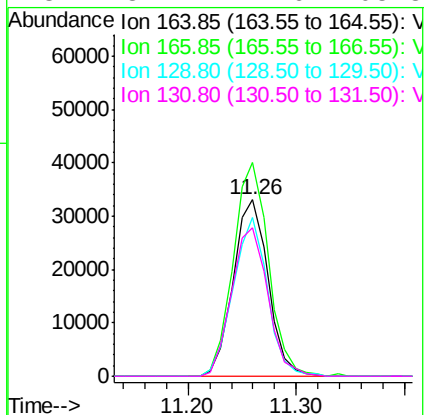
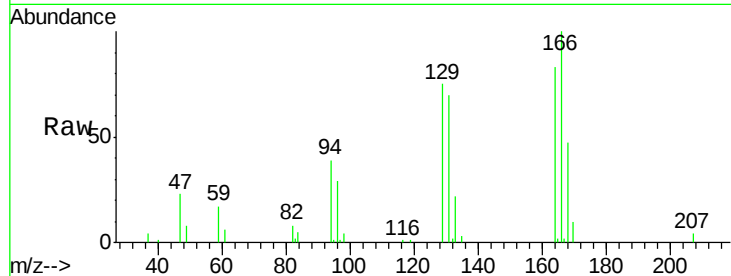




#64
Tetrachloroethene
Concen: 17.409 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

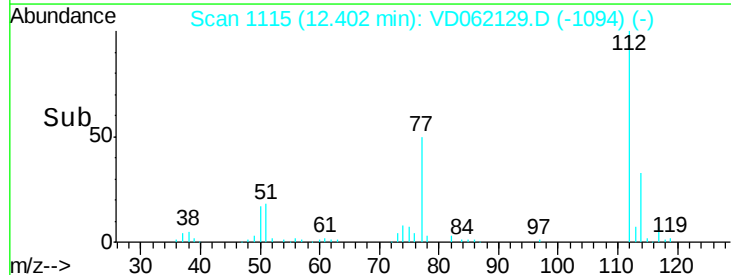
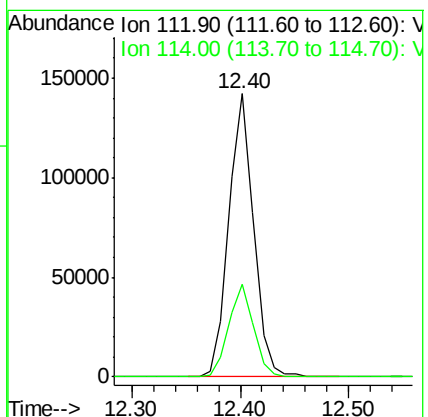
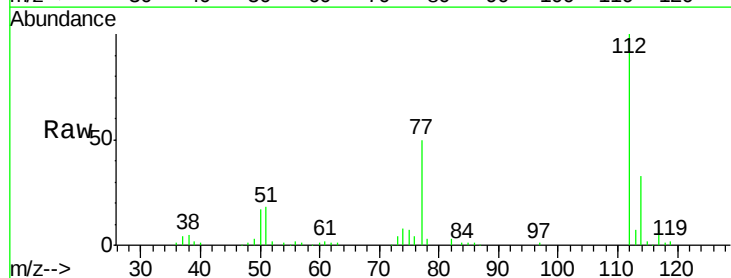
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

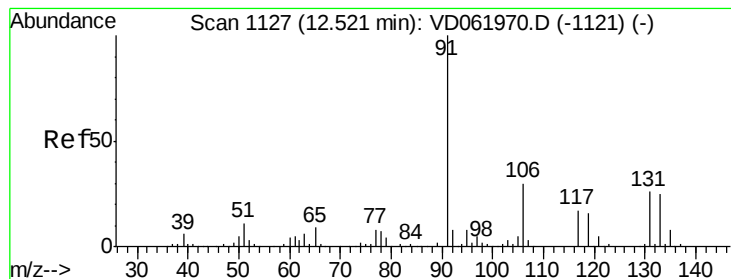
Tot Ion:164 Resp: 74025
Ion Ratio Lower Upper
164 100
166 121.1 101.5 152.3
129 90.4 74.6 112.0
131 84.4 72.6 108.8



#65
Chlorobenzene
Concen: 20.238 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion:112 Resp: 227954
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 21.352 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

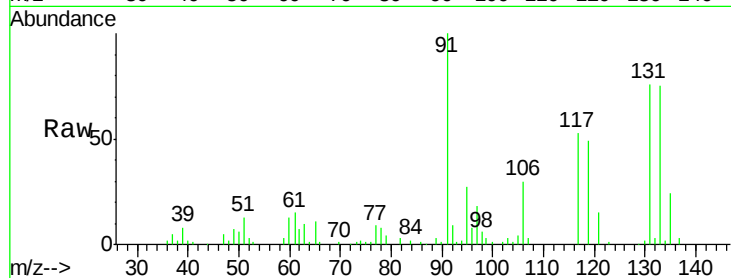
Tot Ion:131 Resp: 102016

Ion Ratio Lower Upper

131 100

133 98.6 48.6 145.8

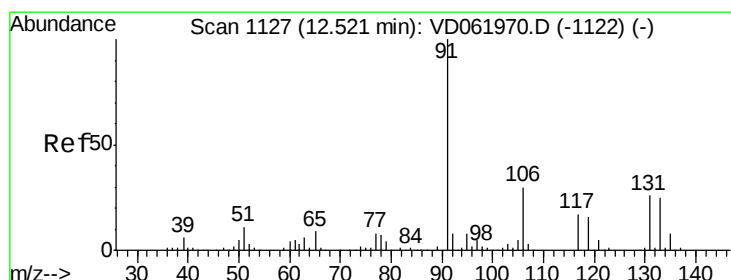
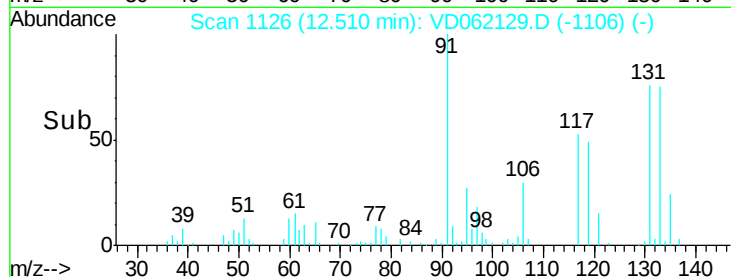
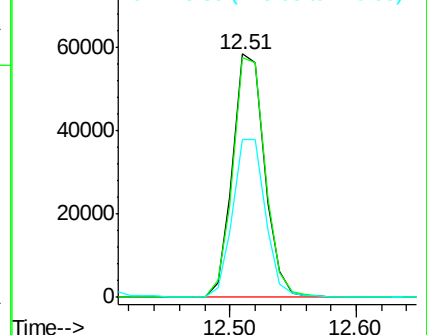
119 64.7 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 19.833 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD062129.D

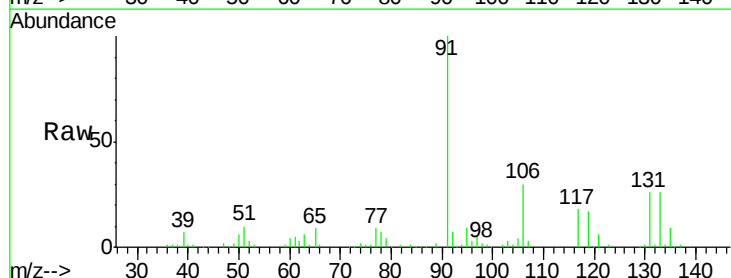
Acq: 6 May 2019 14:28

Tgt Ion: 91 Resp: 364622

Ion Ratio Lower Upper

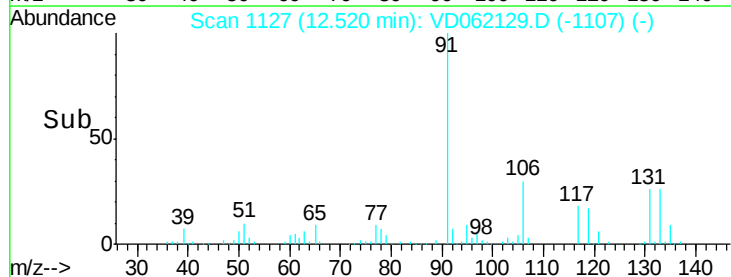
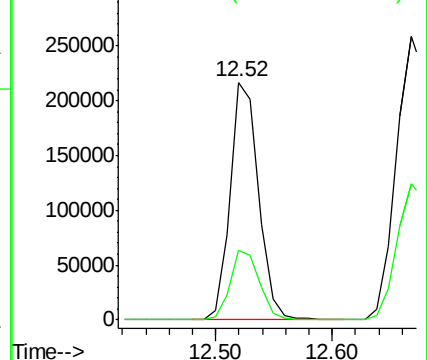
91 100

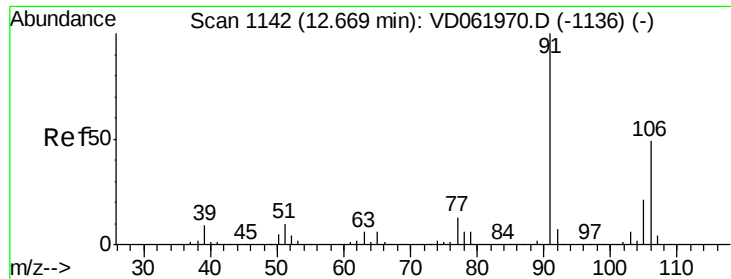
106 29.6 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

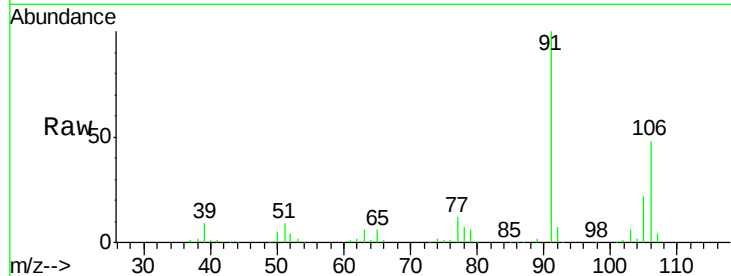




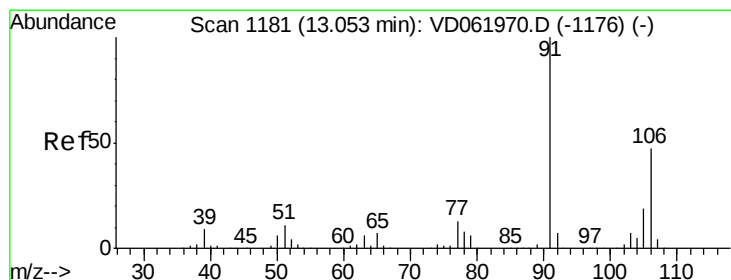
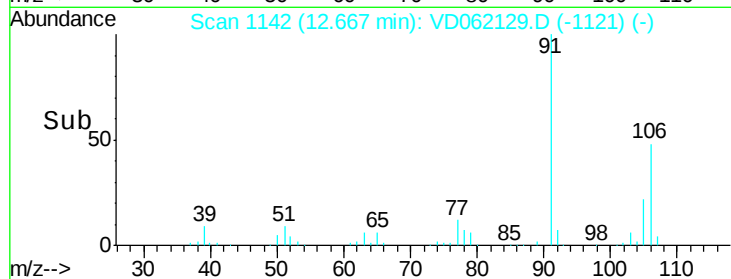
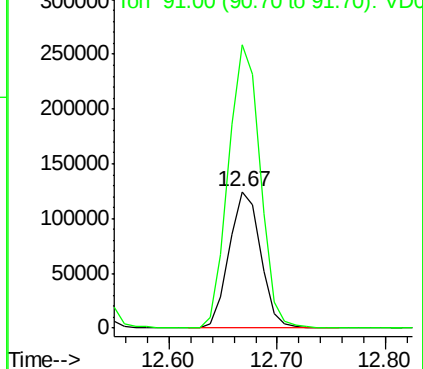
#68
m/p-Xylenes
Concen: 38.054 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion:106 Resp: 252859
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0

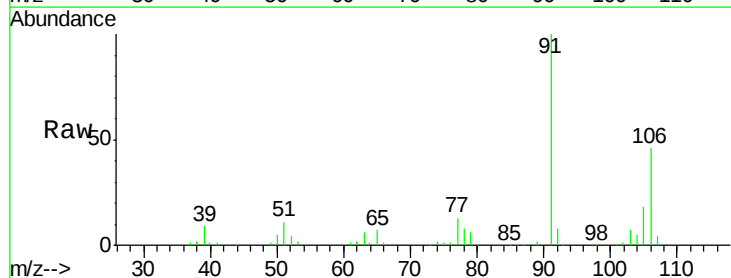


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

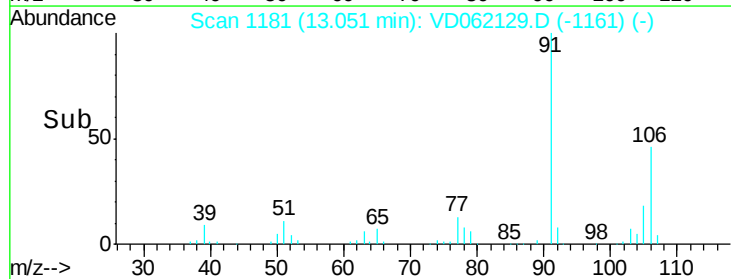
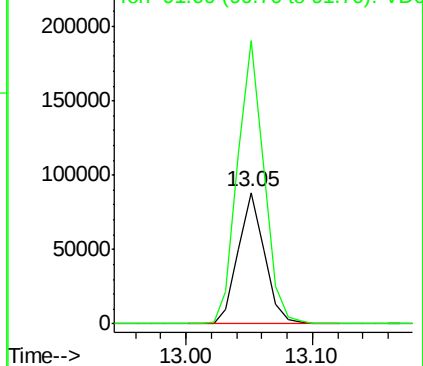


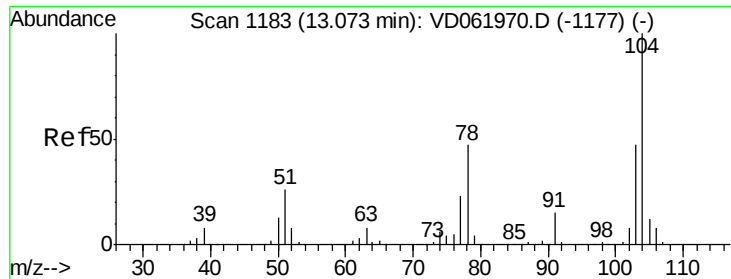
#69
o-Xylene
Concen: 20.944 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion:106 Resp: 127331
Ion Ratio Lower Upper
106 100
91 215.1 106.7 319.9



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

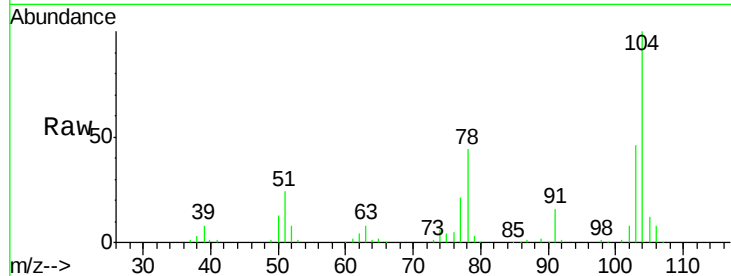




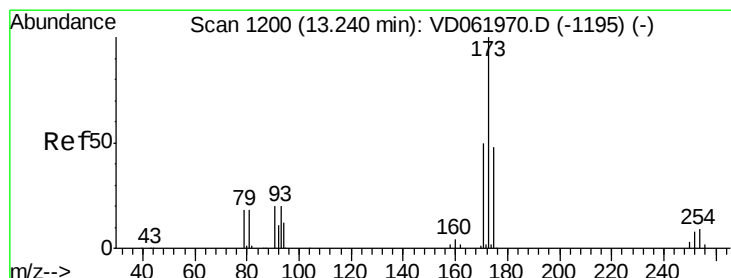
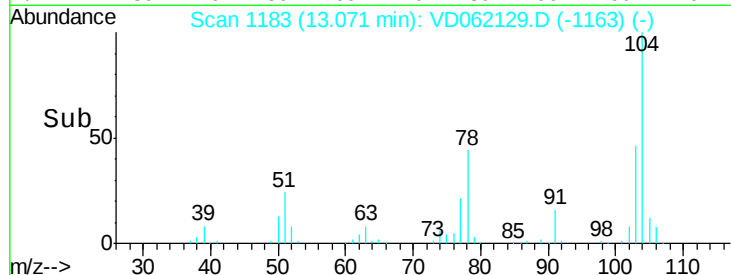
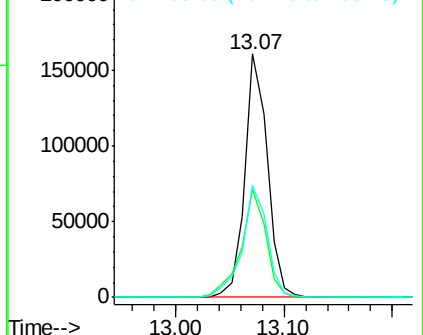
#70
Stvrene
Concen: 22.149 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion:104 Resp: 232511
Ion Ratio Lower Upper
104 100
78 44.2 35.4 53.2
103 45.7 37.5 56.3

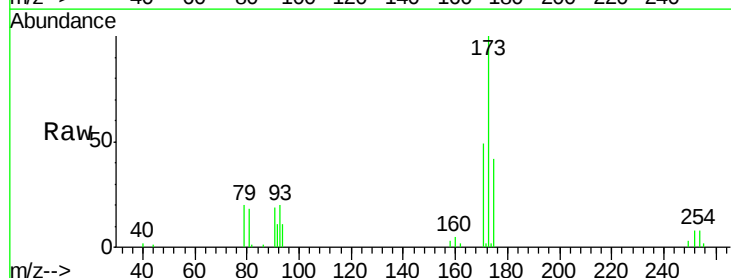


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

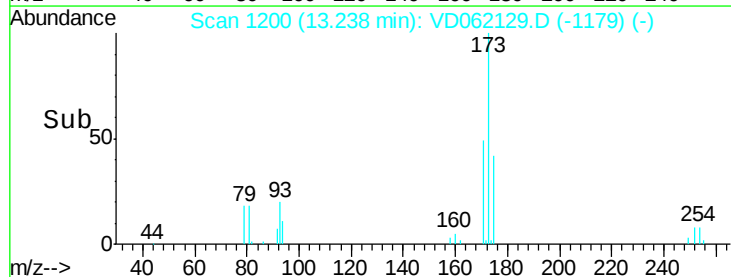
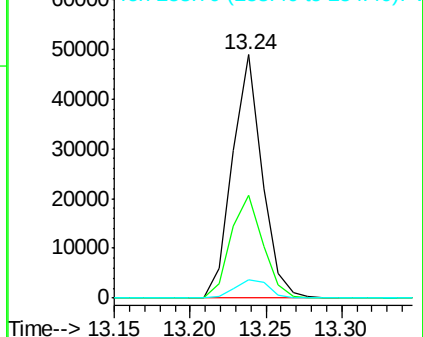


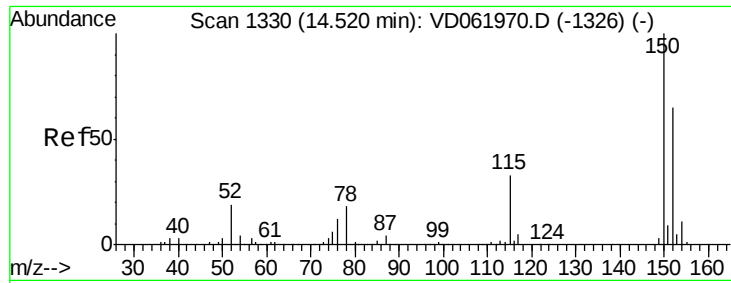
#71
Bromoform
Concen: 24.528 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion:173 Resp: 66813
Ion Ratio Lower Upper
173 100
175 42.3 24.4 73.4
254 7.7 5.4 8.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

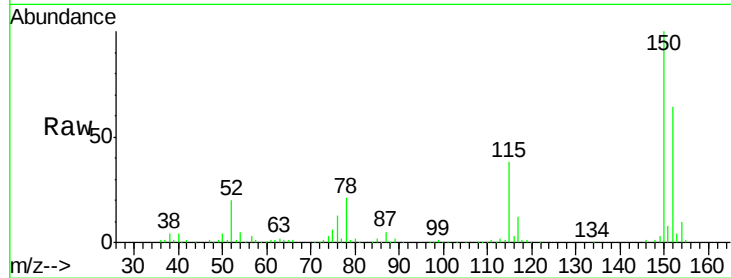
Tot Ion:152 Resp: 300835

Ion Ratio Lower Upper

152 100

115 59.2 30.9 92.7

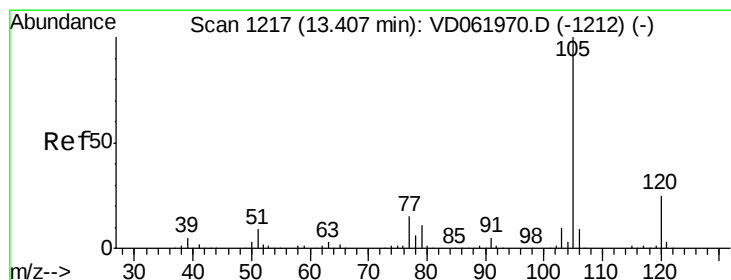
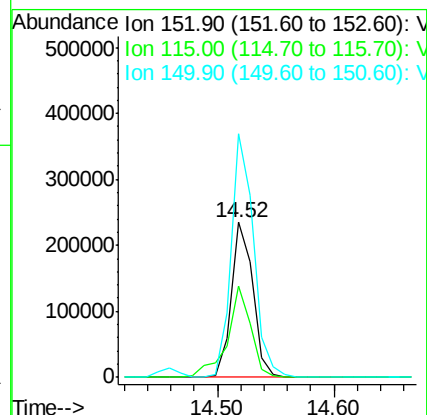
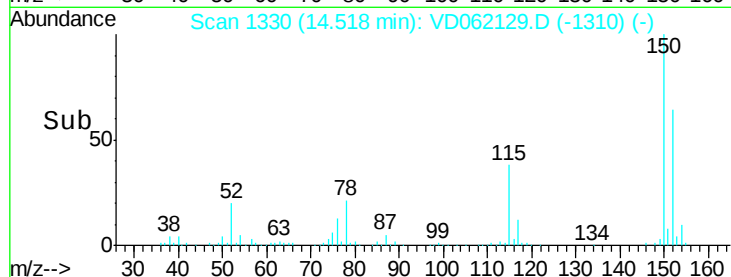
150 157.4 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 18.854 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062129.D

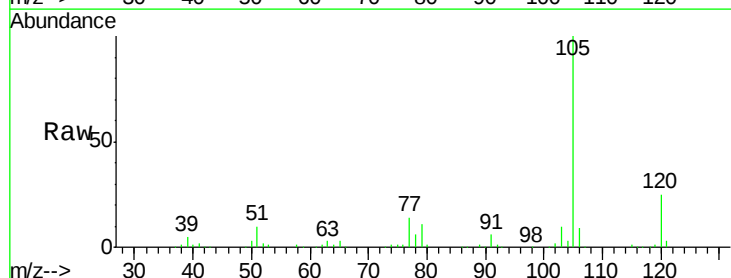
Acq: 6 May 2019 14:28

Tgt Ion:105 Resp: 378349

Ion Ratio Lower Upper

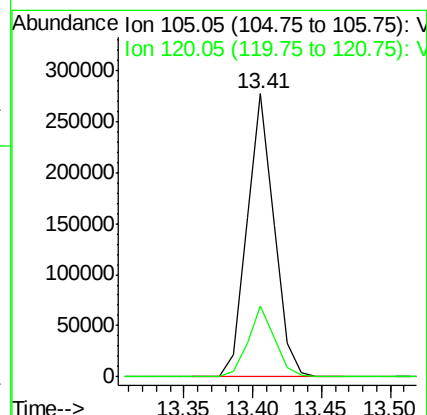
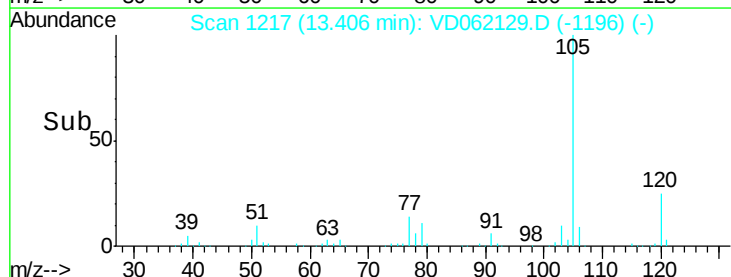
105 100

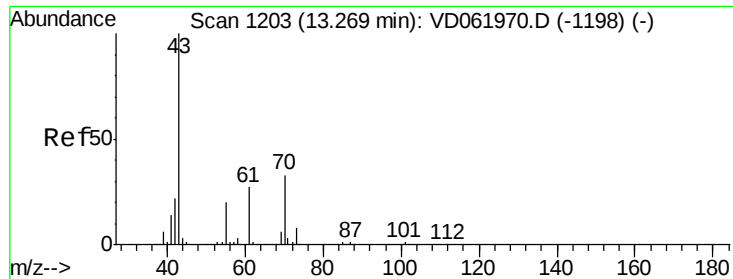
120 25.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 20.867 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

Tot Ion: 43 Resp: 107843

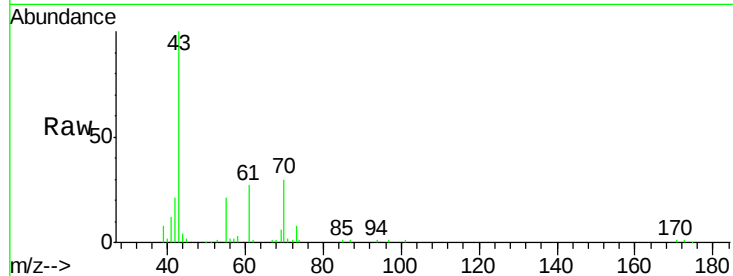
Ion Ratio Lower Upper

43 100

70 30.3 24.2 36.4

55 20.6 16.0 24.0

61 27.1 21.6 32.4

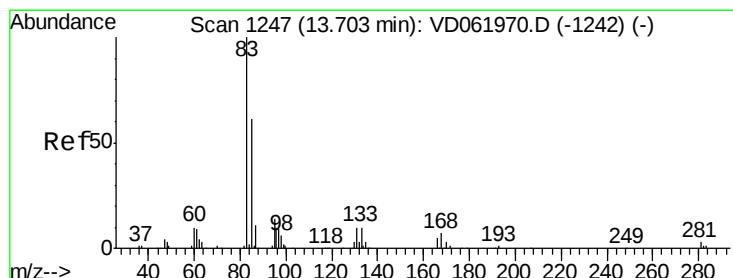
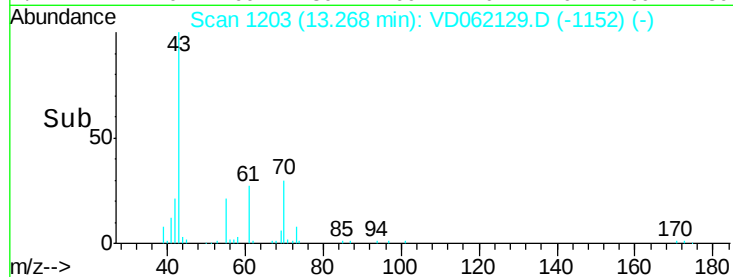
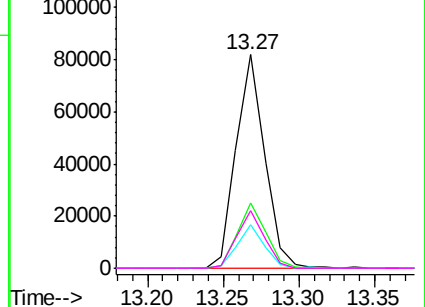


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 21.761 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

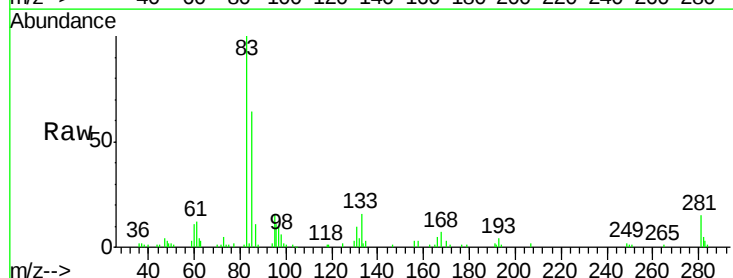
Tgt Ion: 83 Resp: 85577

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

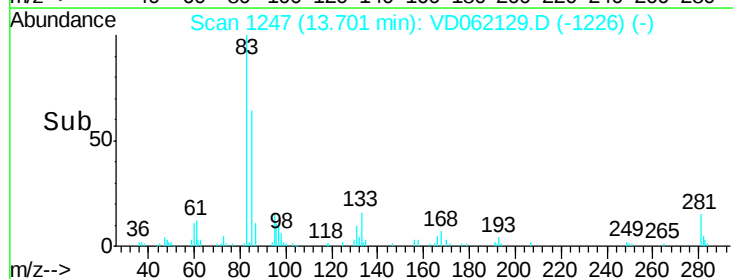
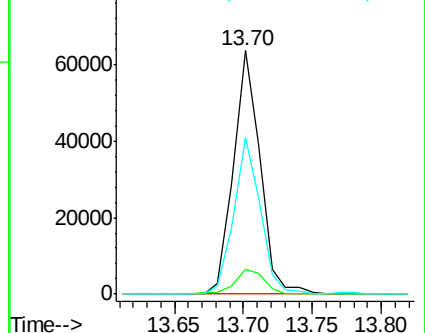
85 64.1 32.6 97.7

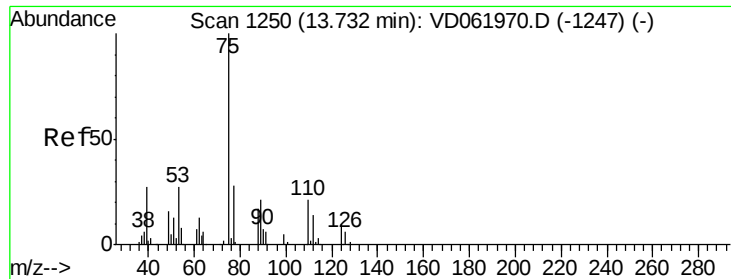


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 21.774 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

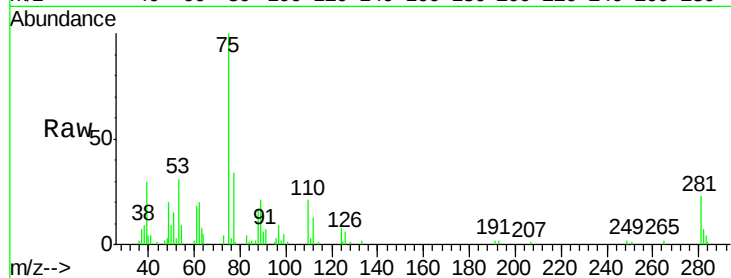
VD0506SBSD01

Tot Ion: 75 Resp: 83180

Ion Ratio Lower Upper

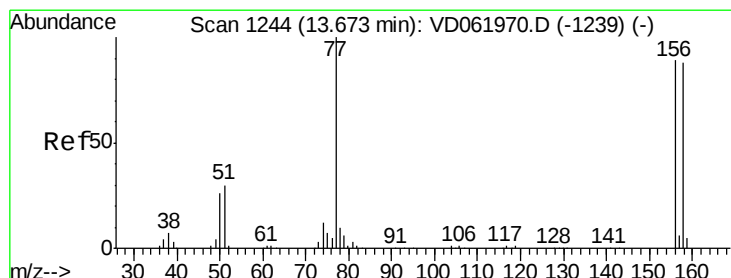
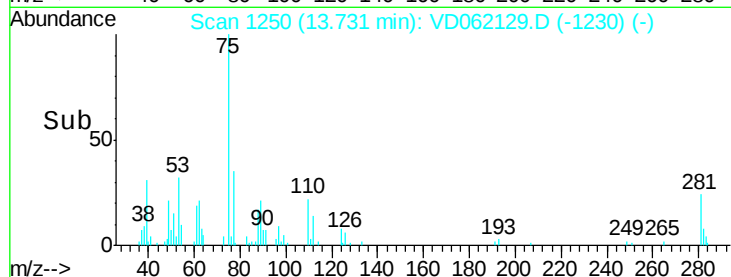
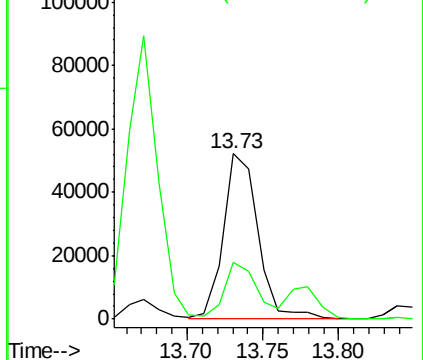
75 100

77 34.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#77

Bromobenzene

Concen: 17.883 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

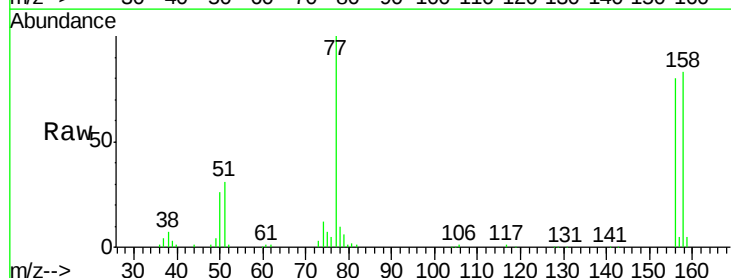
Tgt Ion: 156 Resp: 102946

Ion Ratio Lower Upper

156 100

77 124.4 53.1 159.4

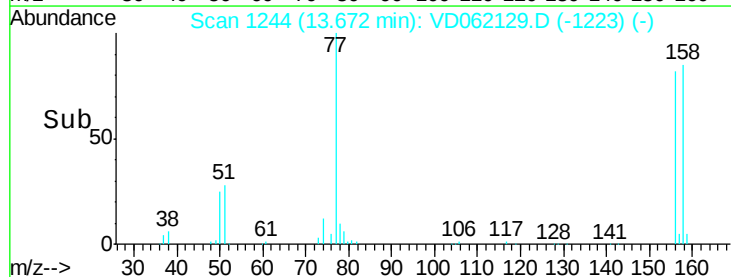
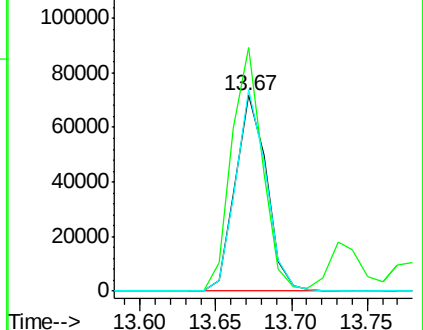
158 103.1 49.4 148.0

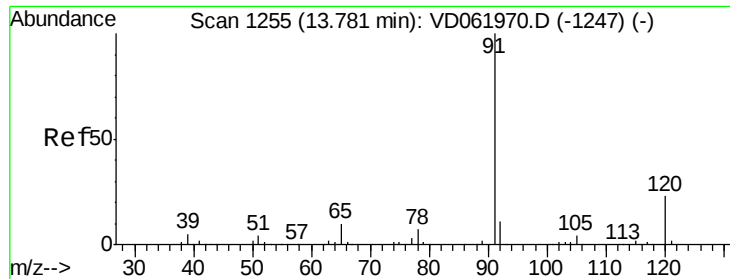


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 17.771 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

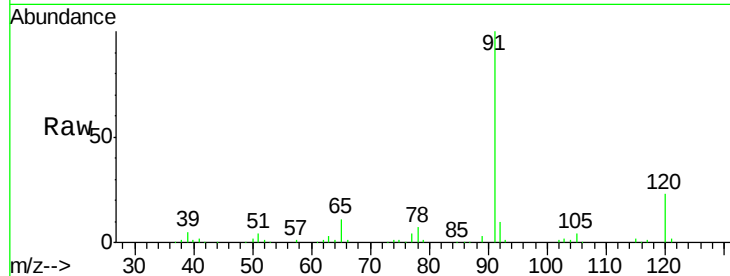
VD0506SBSD01

Tot Ion: 91 Resp: 408243

Ion Ratio Lower Upper

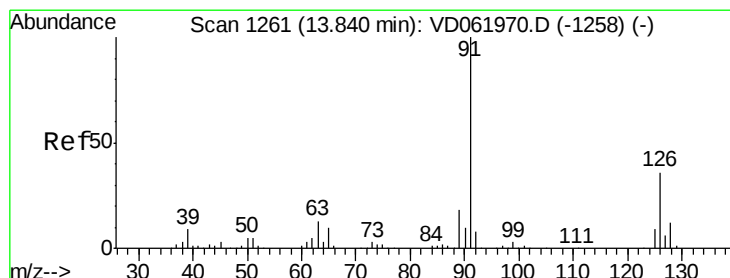
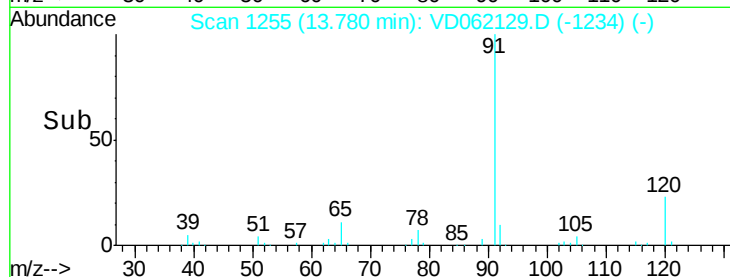
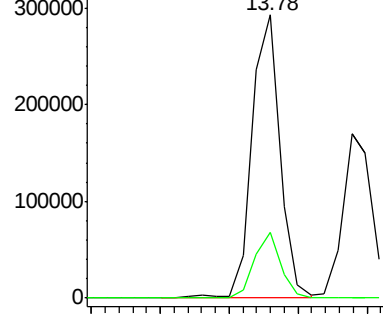
91 100

120 23.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 17.842 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD062129.D

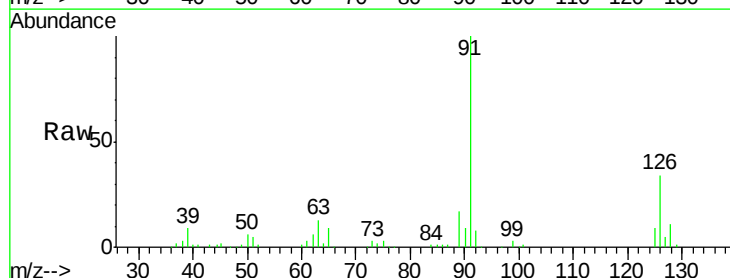
Acq: 6 May 2019 14:28

Tgt Ion: 91 Resp: 248269

Ion Ratio Lower Upper

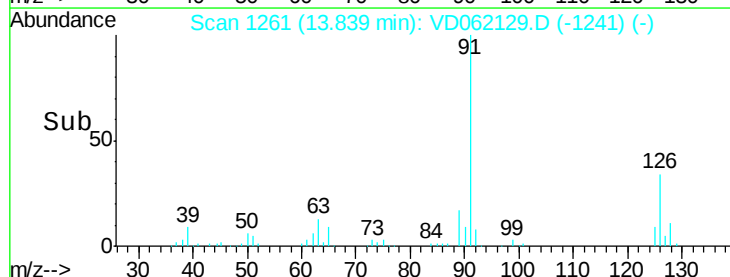
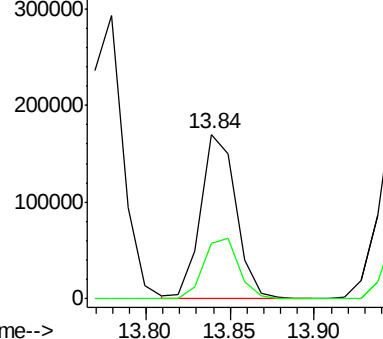
91 100

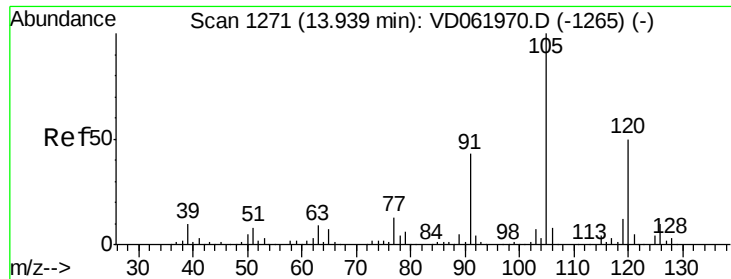
126 33.7 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

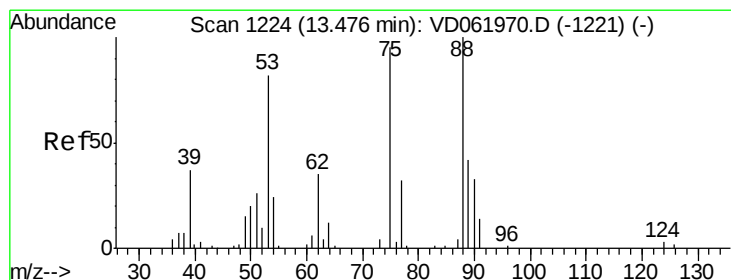
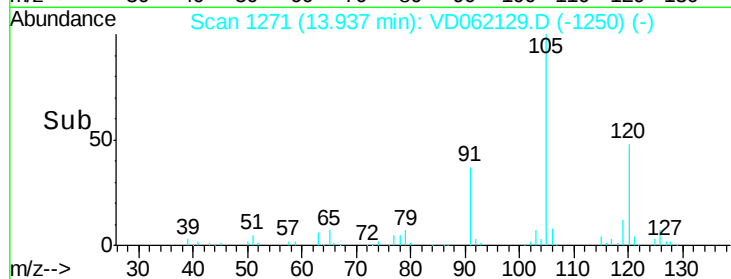
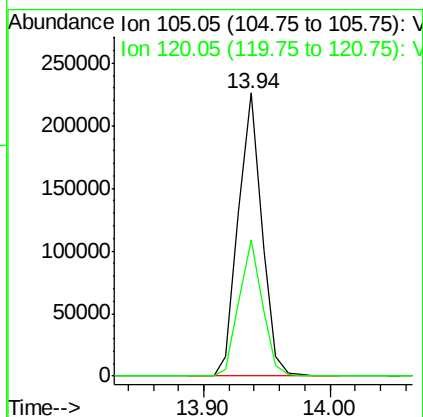
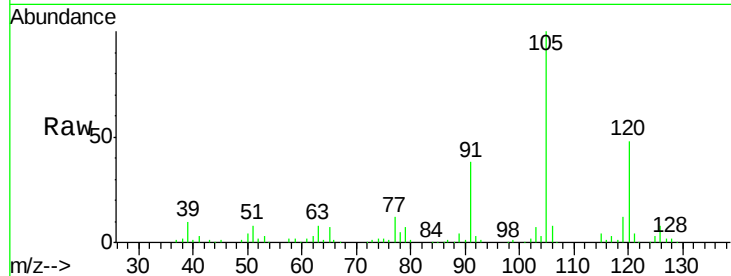




#80
 1,3,5-Trimethylbenzene
 Concen: 18.236 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

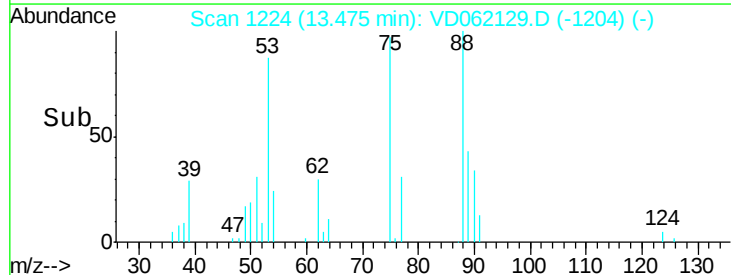
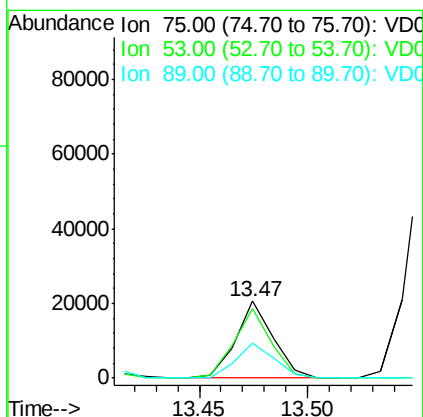
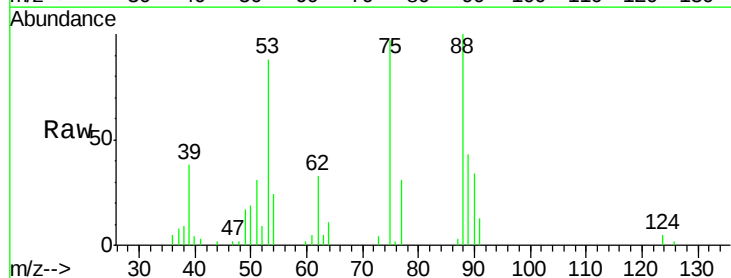
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

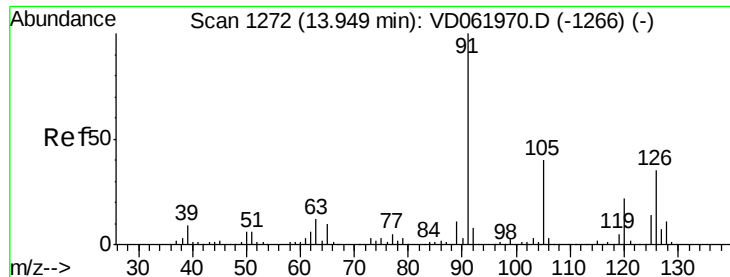
Tot Ion:105 Resp: 291793
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 21.526 ug/l
 RT: 13.47 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion: 75 Resp: 24920
 Ion Ratio Lower Upper
 75 100
 53 91.1 65.8 98.8
 89 44.8 35.0 52.6

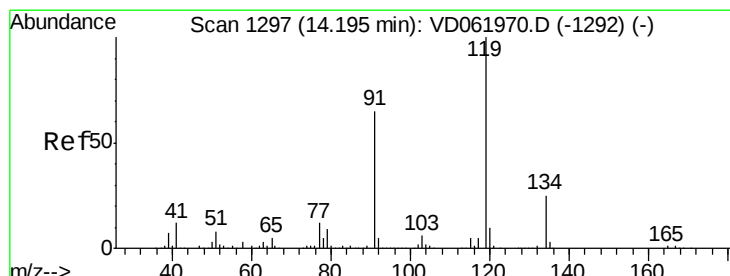
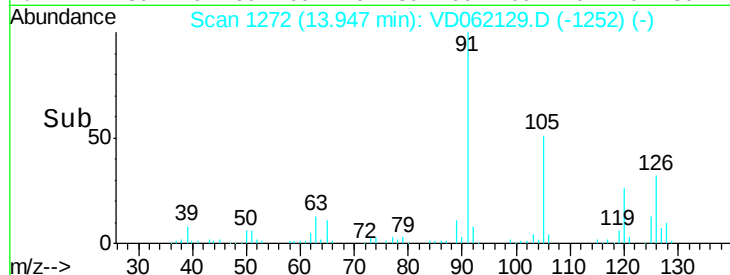
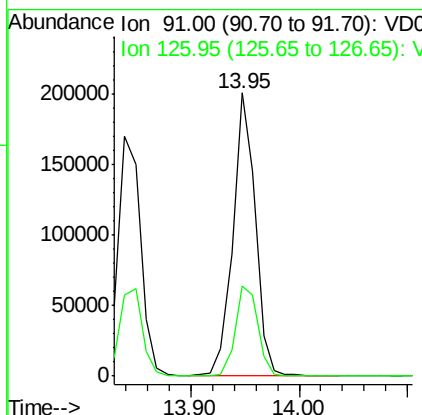
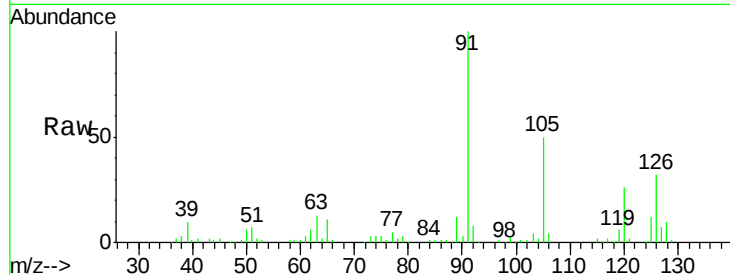




#82
4-Chlorotoluene
Concen: 18.783 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

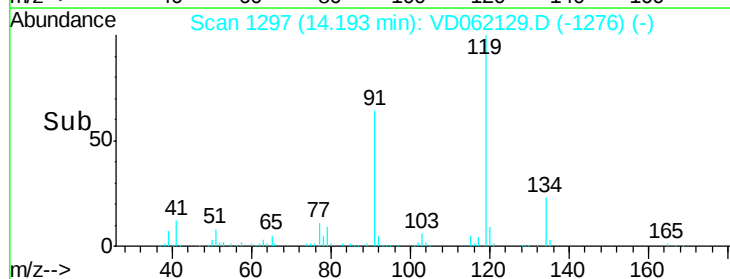
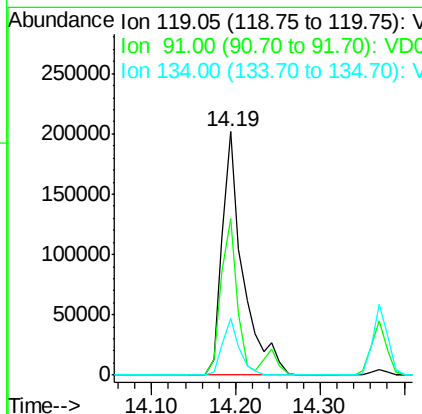
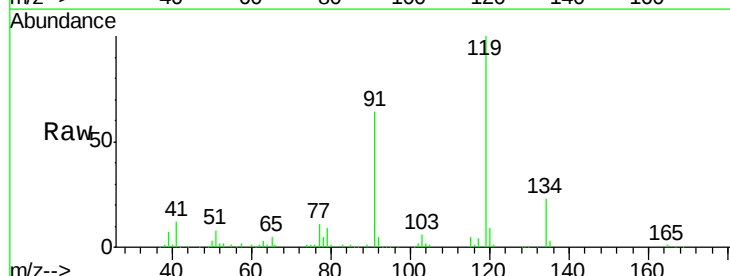
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

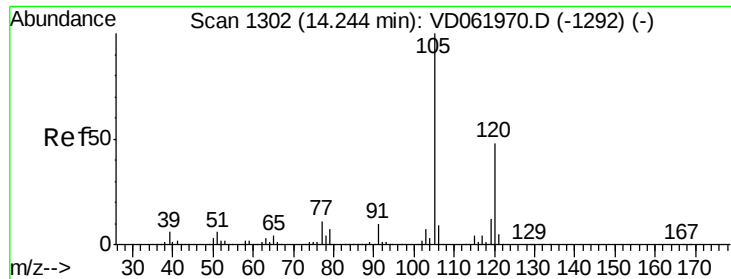
Tot Ion: 91 Resp: 287833
Ion Ratio Lower Upper
91 100
126 31.9 19.1 57.5



#83
tert-Butylbenzene
Concen: 18.767 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion: 119 Resp: 347868
Ion Ratio Lower Upper
119 100
91 64.3 34.2 102.6
134 23.2 12.0 36.0

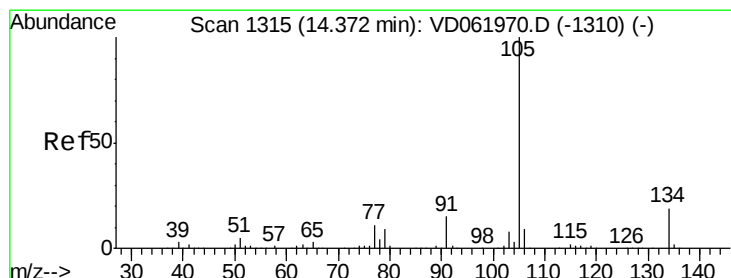
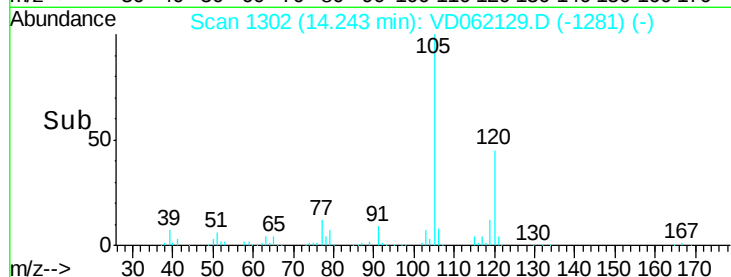
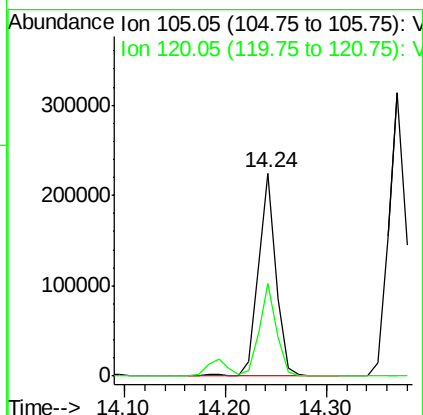
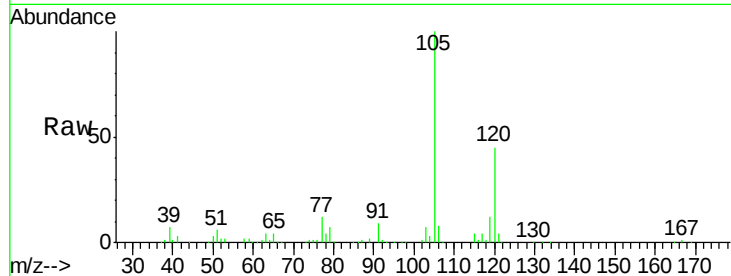




#84
 1,2,4-Trimethylbenzene
 Concen: 18.136 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

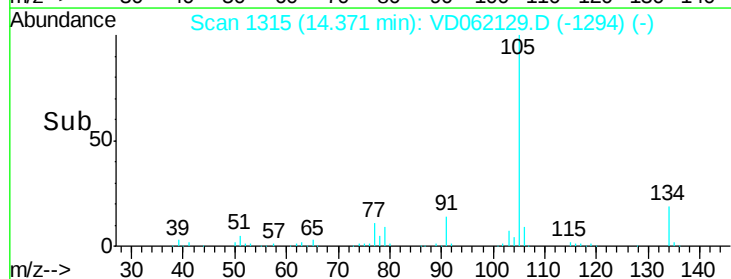
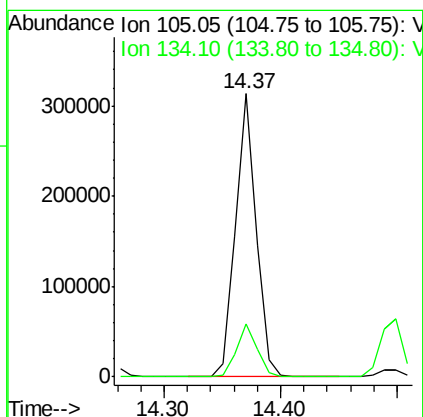
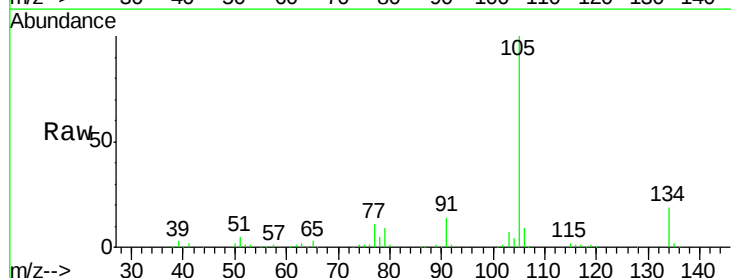
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

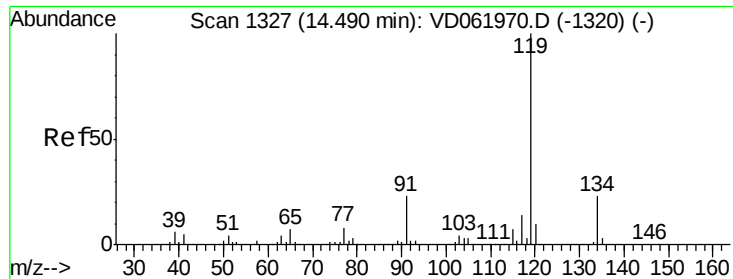
Tot Ion:105 Resp: 277098
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 19.270 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion:105 Resp: 385951
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.9 26.7

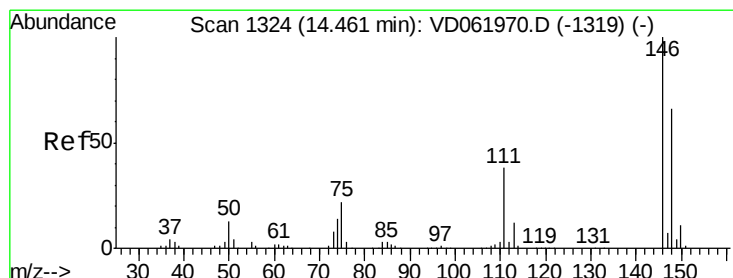
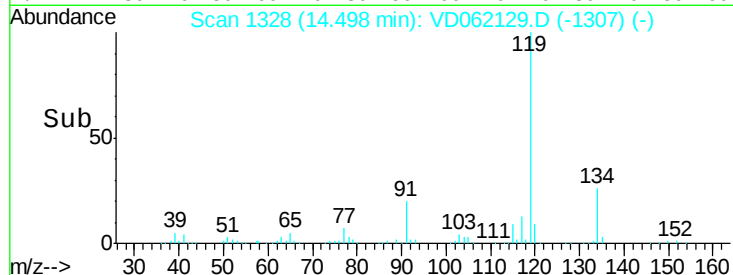
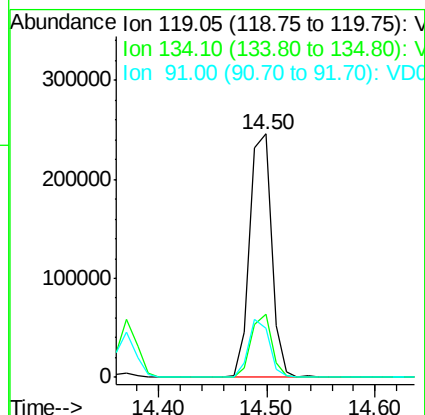
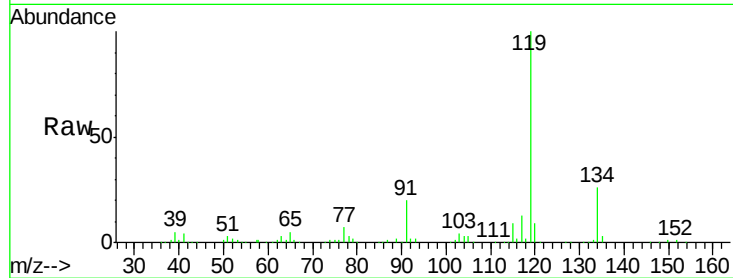




#86
 p-Isopropyltoluene
 Concen: 19.271 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

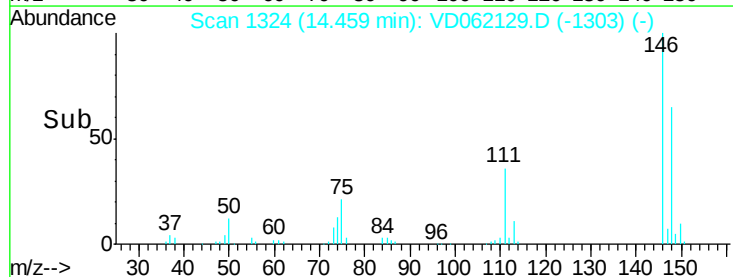
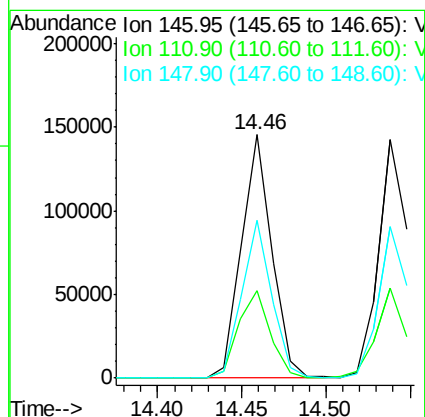
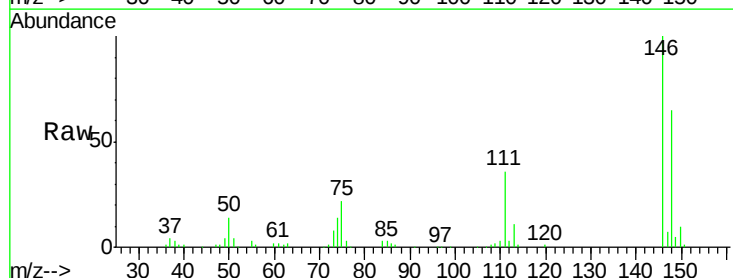
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

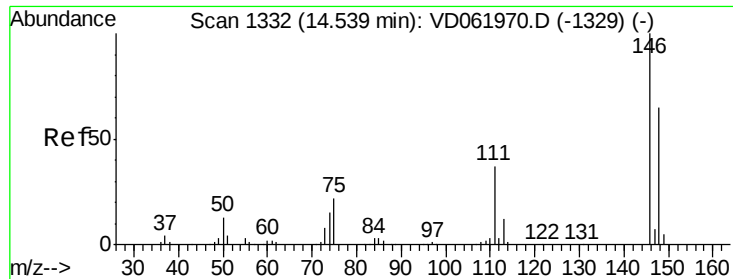
Tot Ion:119 Resp: 345445
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 20.0 10.7 32.1



#87
 1,3-Dichlorobenzene
 Concen: 18.107 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion:146 Resp: 182542
 Ion Ratio Lower Upper
 146 100
 111 35.7 20.0 60.0
 148 64.6 31.8 95.4

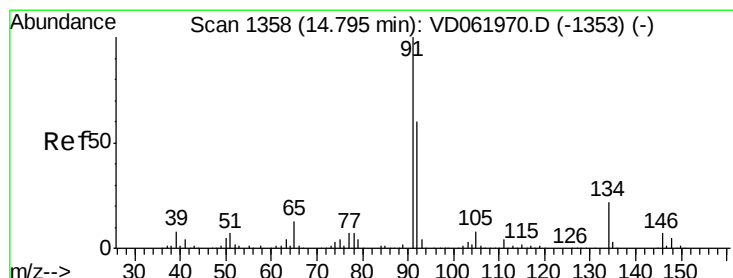
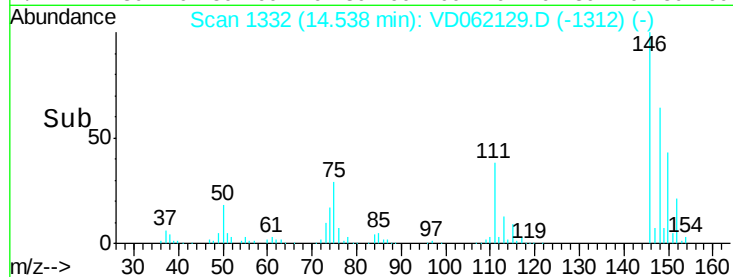
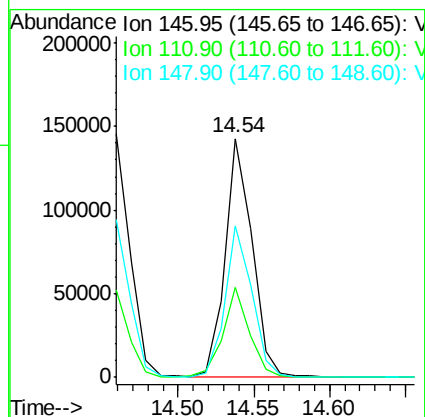
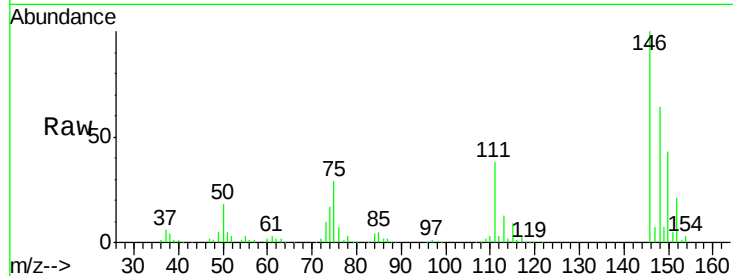




#88
 1,4-Dichlorobenzene
 Concen: 18.837 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

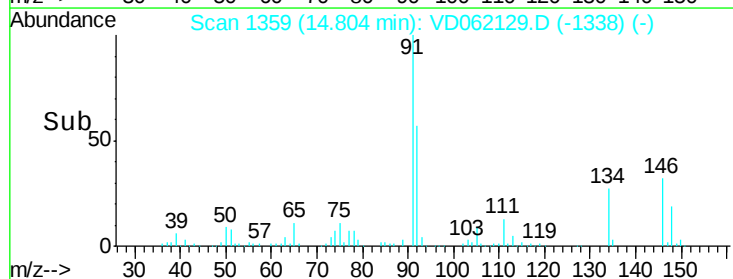
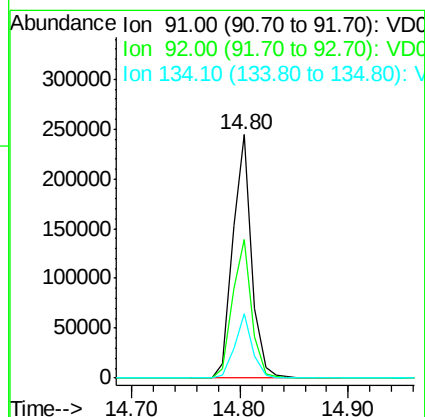
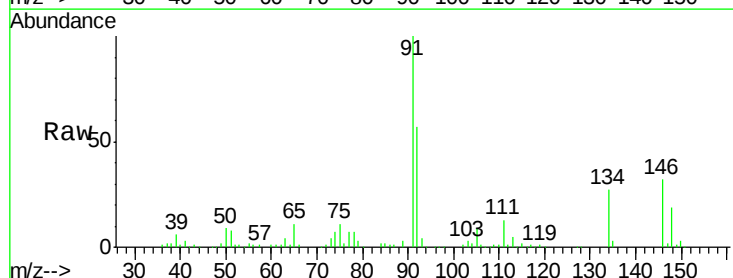
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

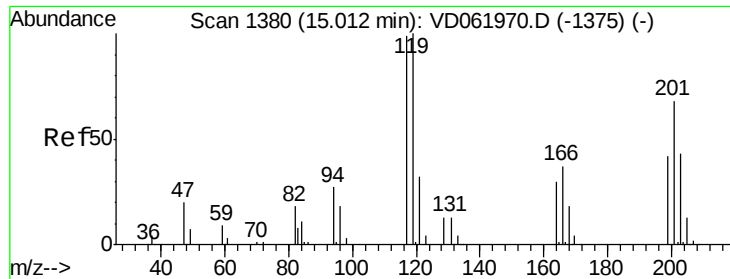
Tot Ion:146 Resp: 177589
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.2 60.5
 148 63.5 32.0 96.2



#89
 n-Butylbenzene
 Concen: 18.313 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Tgt Ion: 91 Resp: 294703
 Ion Ratio Lower Upper
 91 100
 92 57.2 30.3 91.0
 134 26.6 14.5 43.6

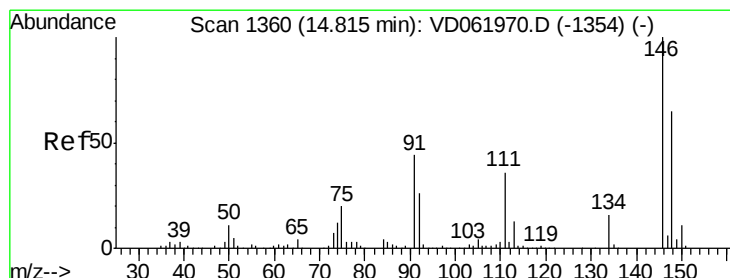
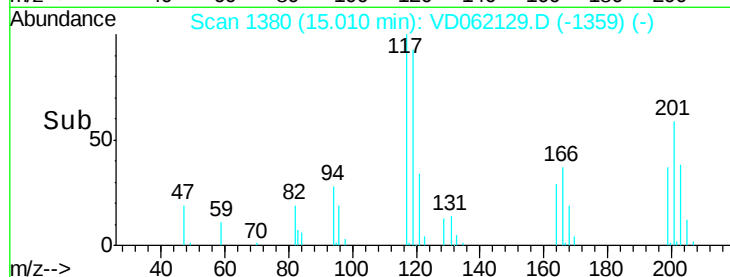
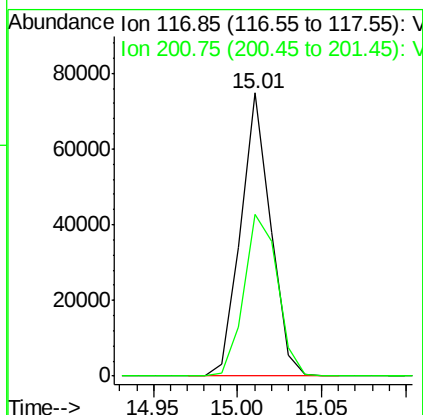
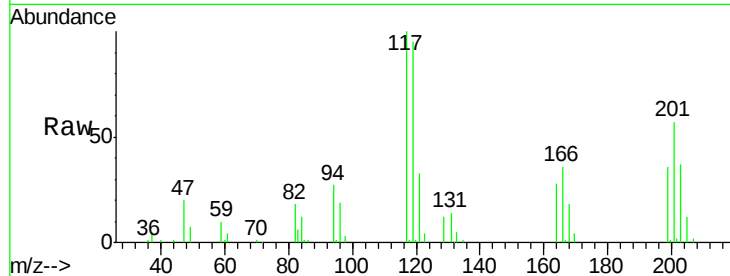




#90
Hexachloroethane
Concen: 19.006 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

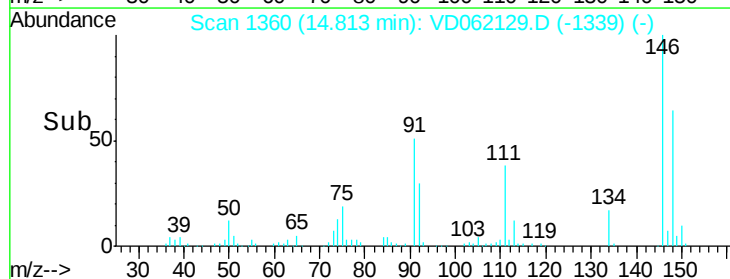
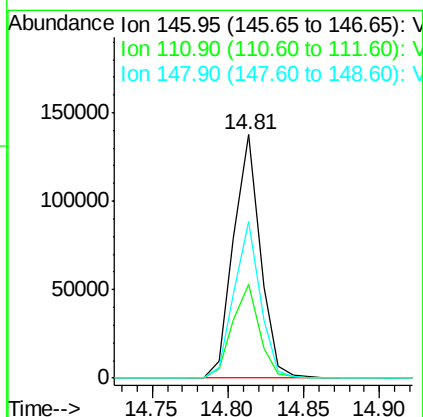
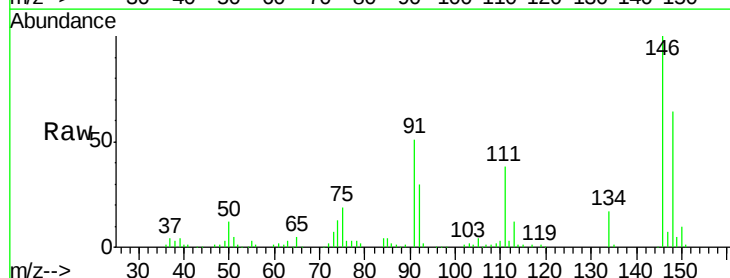
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

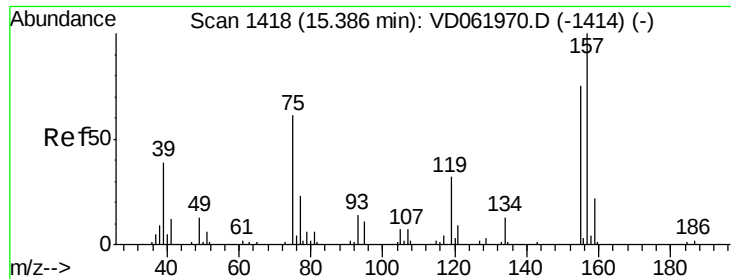
Tot Ion:117 Resp: 92125
Ion Ratio Lower Upper
117 100
201 57.3 30.2 90.6



#91
1,2-Dichlorobenzene
Concen: 20.484 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

Tgt Ion:146 Resp: 170345
Ion Ratio Lower Upper
146 100
111 38.4 20.0 59.9
148 64.3 32.3 96.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 22.187 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

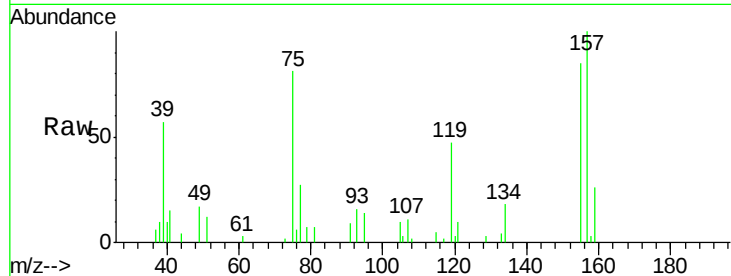
Tot Ion: 75 Resp: 11991

Ion Ratio Lower Upper

75 100

155 105.4 55.3 165.8

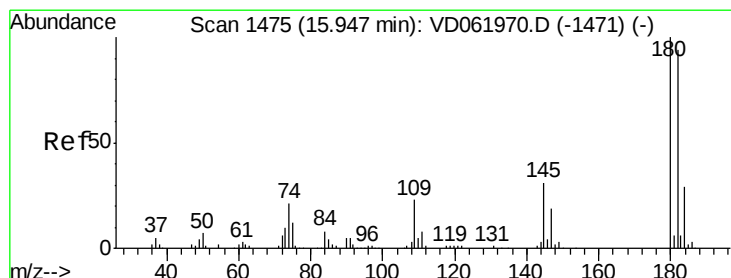
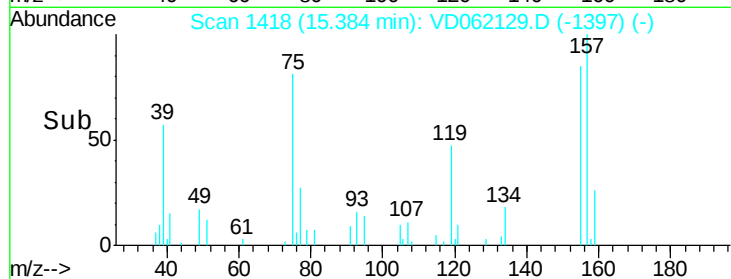
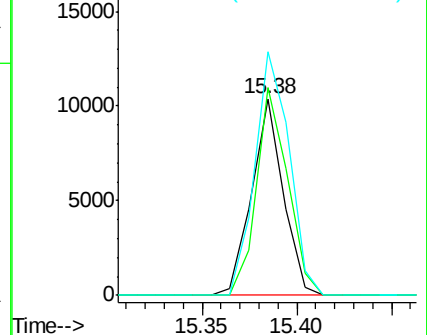
157 123.8 67.8 203.2



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: 22.349 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

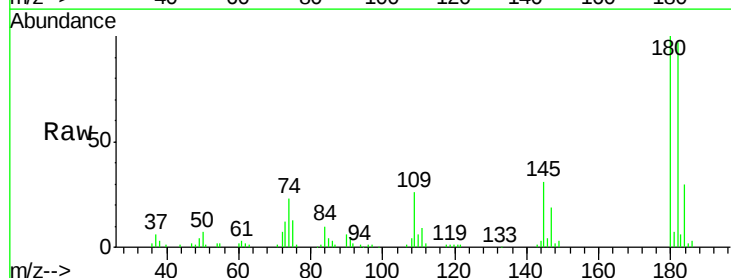
Tgt Ion: 180 Resp: 100278

Ion Ratio Lower Upper

180 100

182 96.6 49.3 147.8

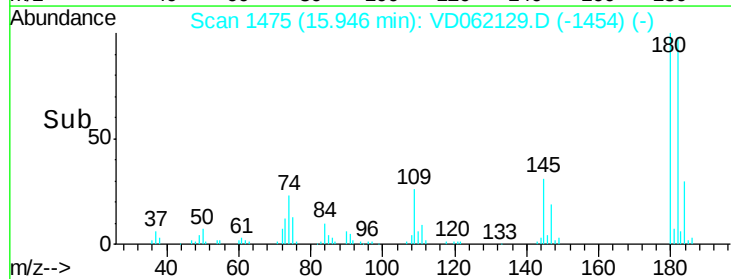
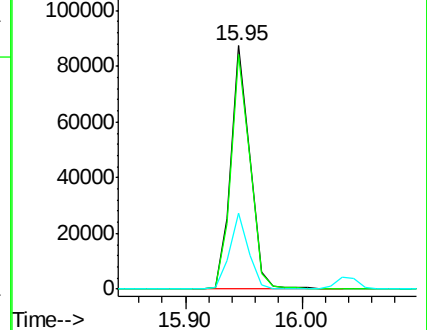
145 31.2 16.2 48.6

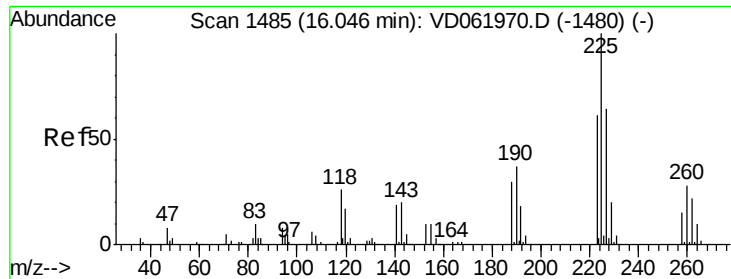


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#94

Hexachlorobutadiene

Concen: 21.328 ug/l

RT: 16.04 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

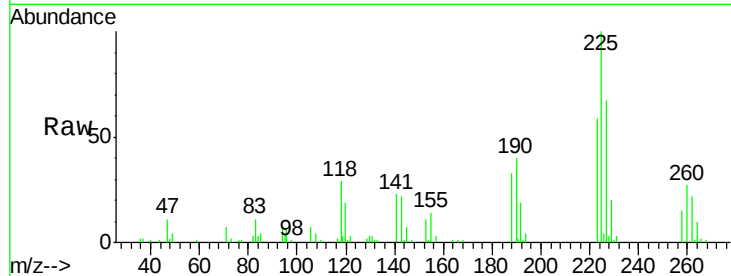
Tot Ion:225 Resp: 70818

Ion Ratio Lower Upper

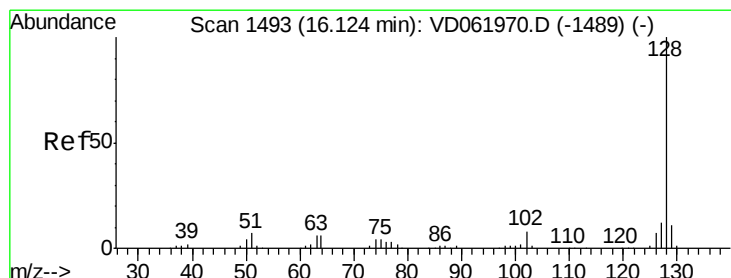
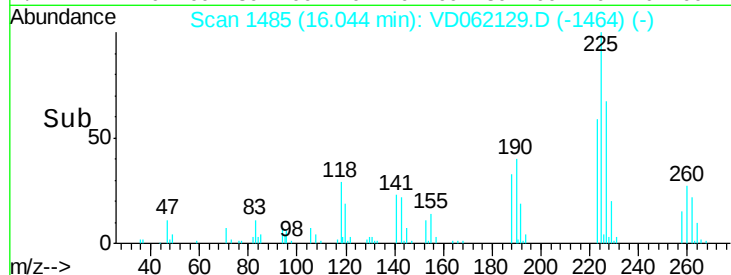
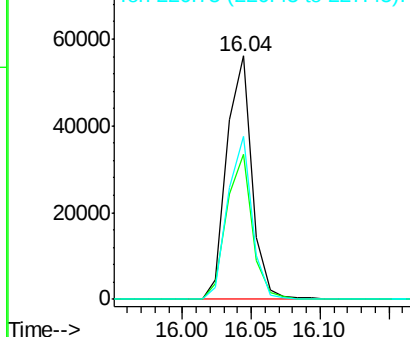
225 100

223 59.4 30.6 92.0

227 67.0 32.0 96.2



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: 24.490 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

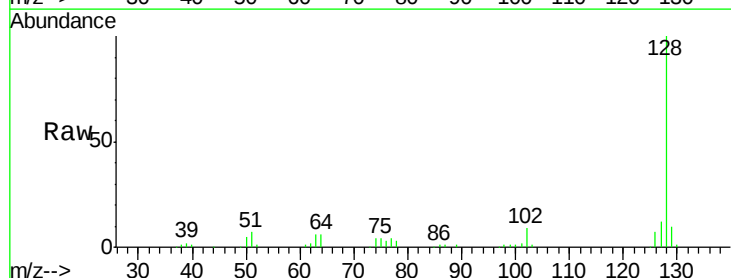
Tgt Ion:128 Resp: 177418

Ion Ratio Lower Upper

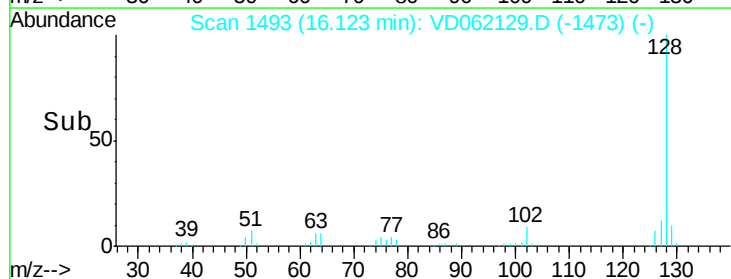
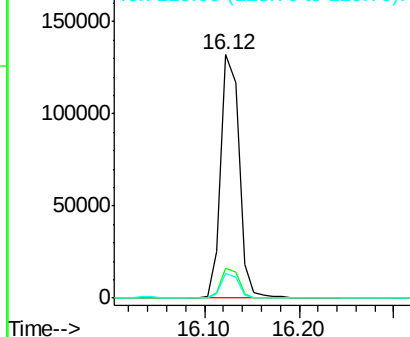
128 100

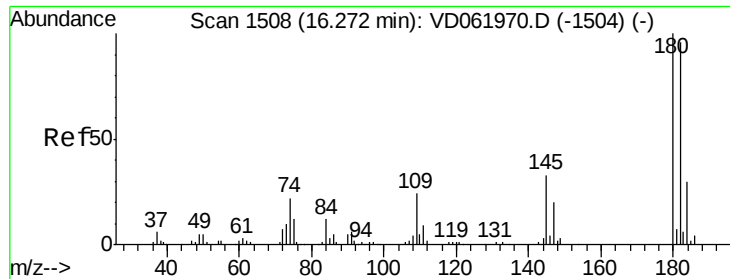
127 12.3 9.8 14.8

129 10.3 8.8 13.2



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





#96

1,2,3-Trichlorobenzene

Concen: 28.094 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

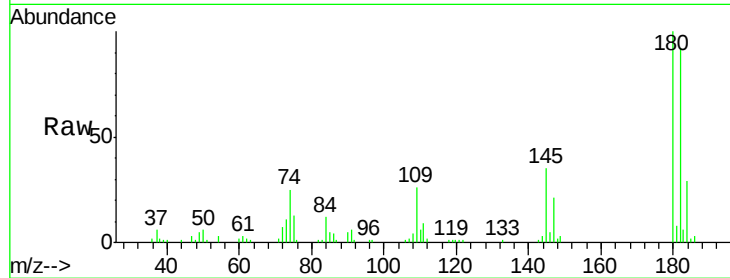
Tot Ion:180 Resp: 71521

Ion Ratio Lower Upper

180 100

182 92.2 47.0 141.0

145 34.6 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

