

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

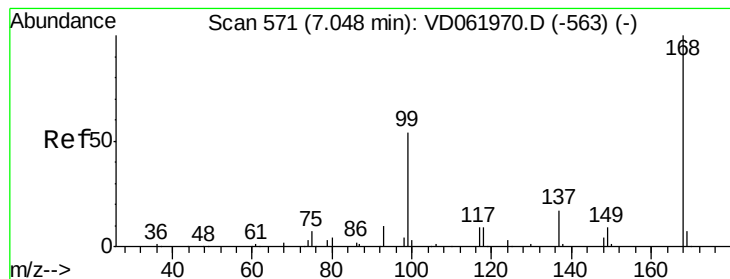
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050619\
Data File : VD062129.D
Acq On : 6 May 2019 14:28
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial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

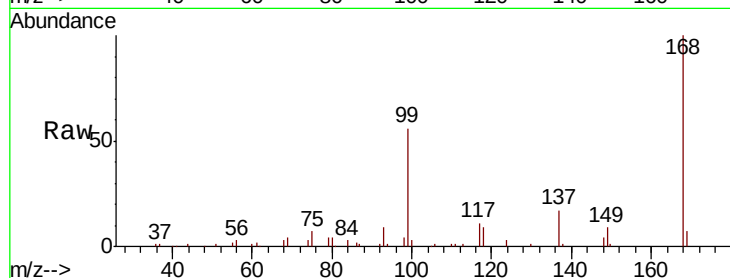
VD0506SBSD01

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

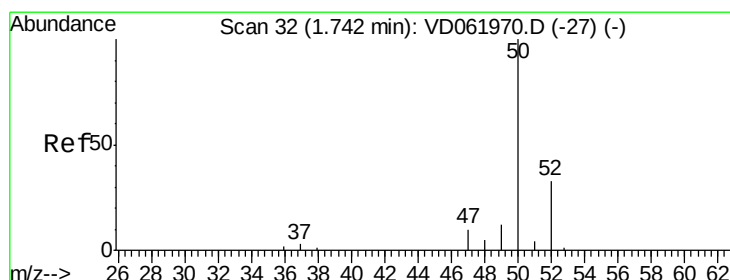
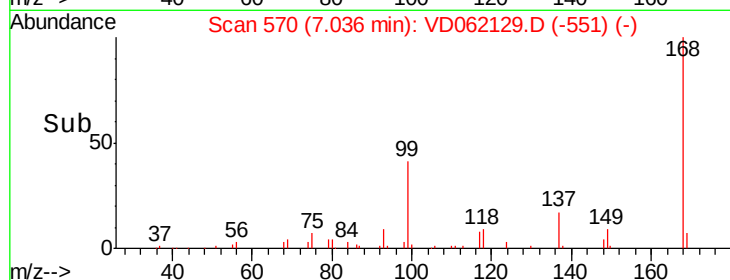
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#3

Chloromethane

Concen: 1.477 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD062129.D

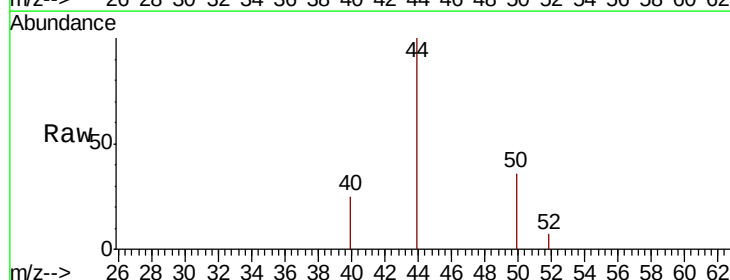
Acq: 6 May 2019 14:28

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

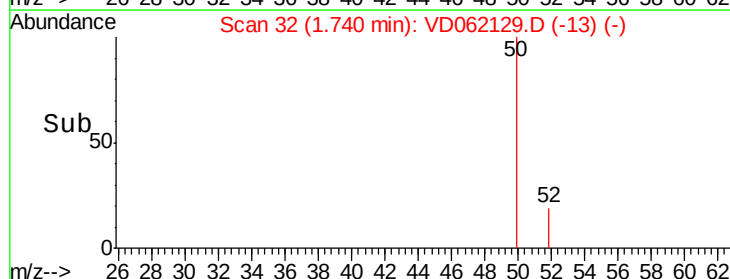
1000

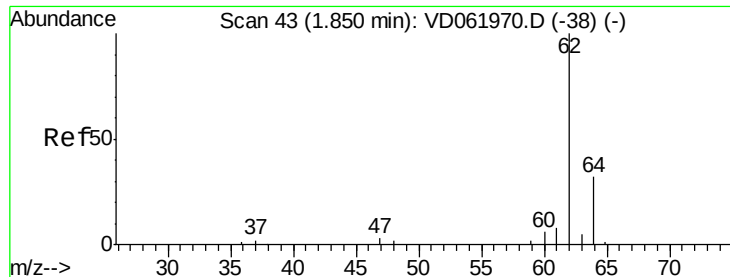
500

0

Time-->

1.65 1.70 1.75 1.80





#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 :

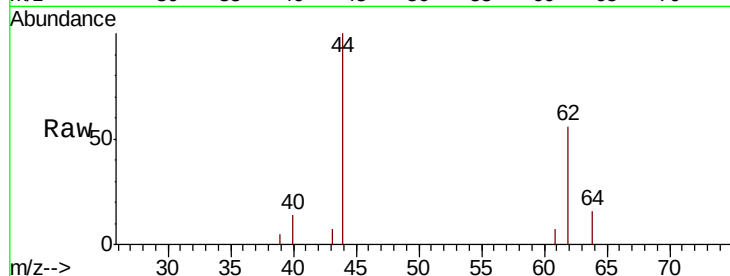
VD0506SBS01

Tot Ion: 62 Resp: 5047

Ion Ratio Lower Upper

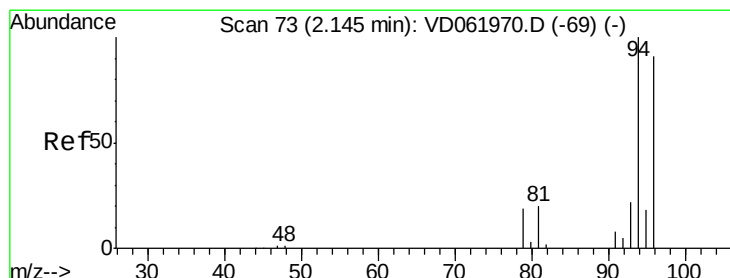
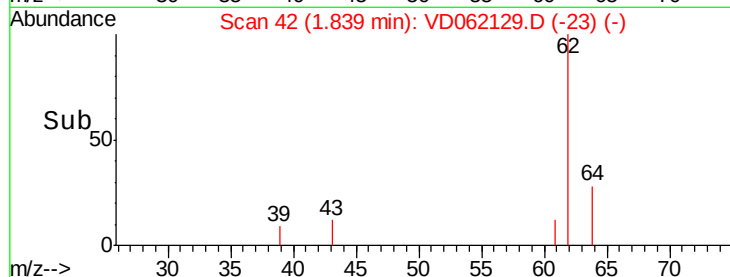
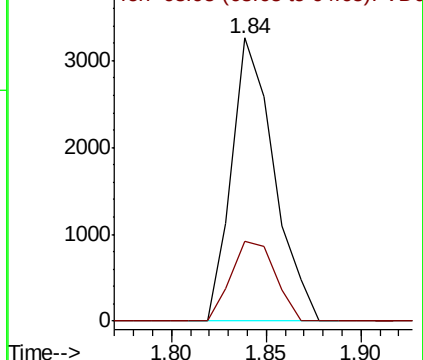
62 100

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

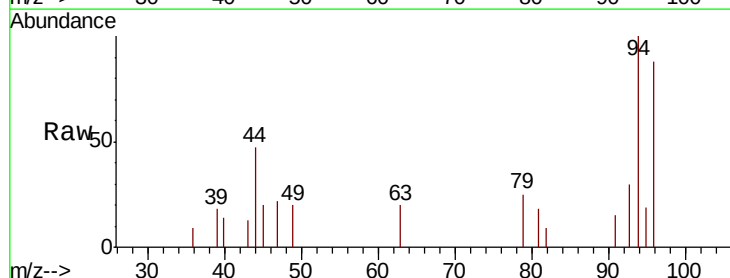
Tgt Ion: 94 Resp: 6884

Ion Ratio Lower Upper

94 100

96 87.5 76.6 115.0

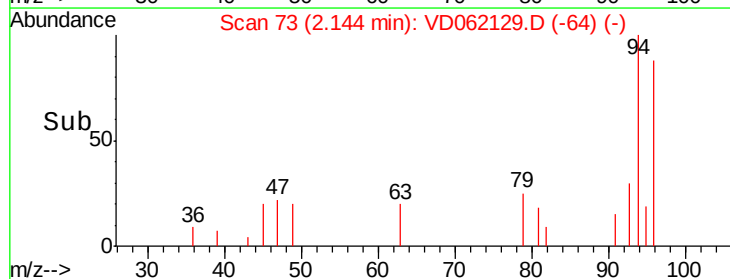
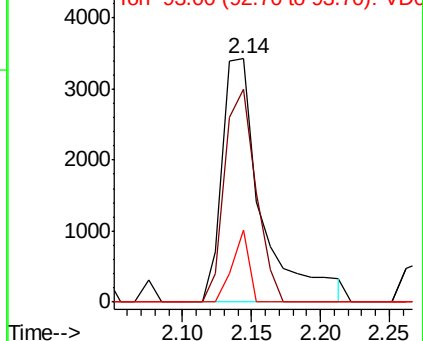
93 29.7 18.5 27.7#

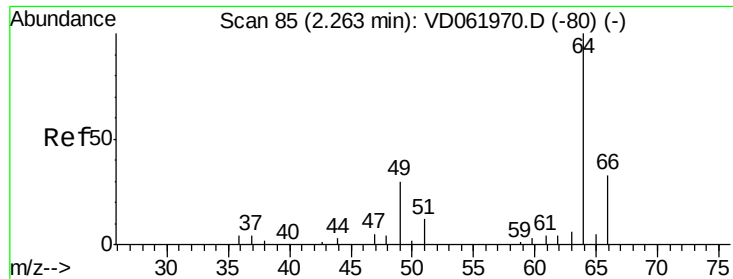


Abundance Ion 94.00 (93.70 to 94.70): VDC

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 :

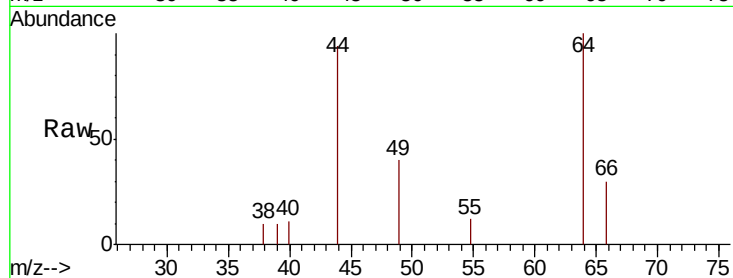
VD0506SBSD01

Tot Ion: 64 Resp: 6027

Ion Ratio Lower Upper

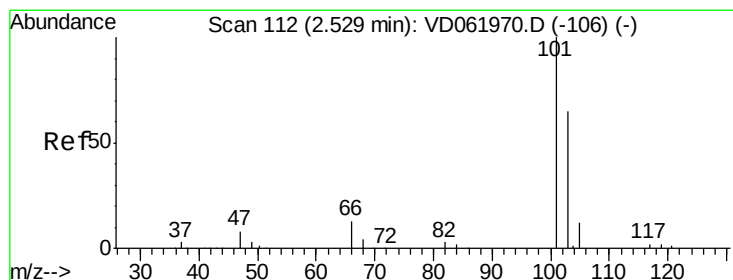
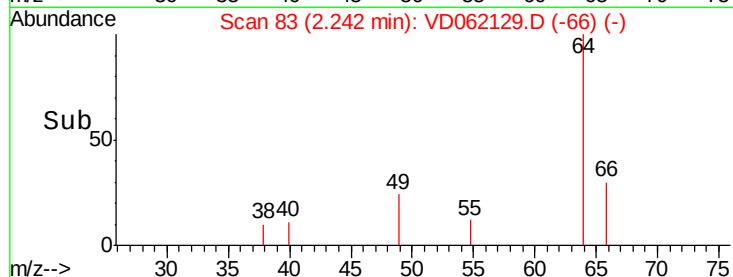
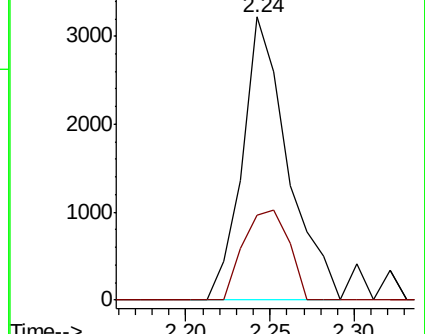
64 100

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

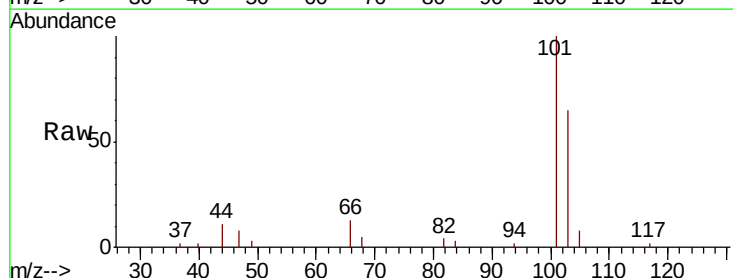
Acq: 6 May 2019 14:28

Tgt Ion:101 Resp: 41656

Ion Ratio Lower Upper

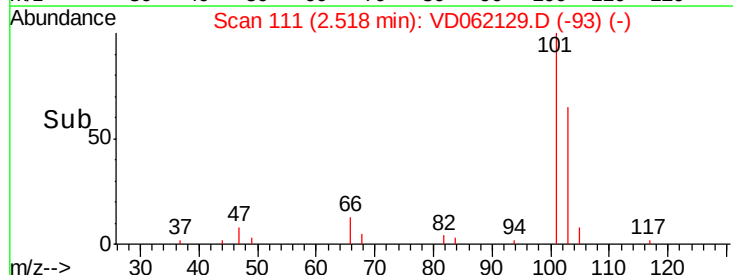
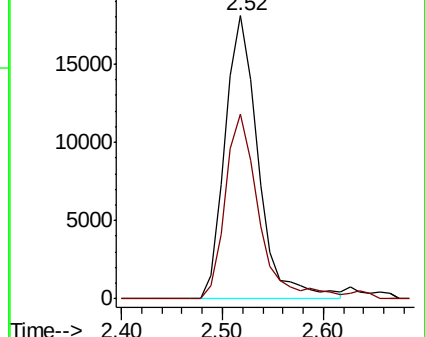
101 100

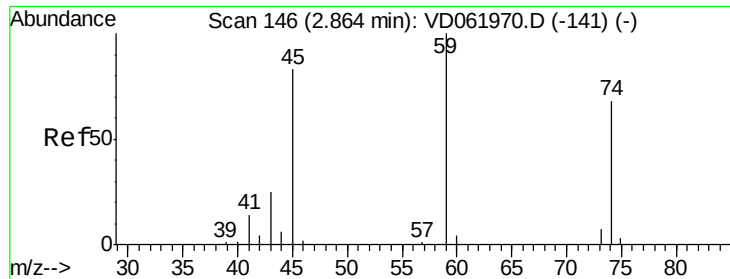
103 65.1 53.6 80.4



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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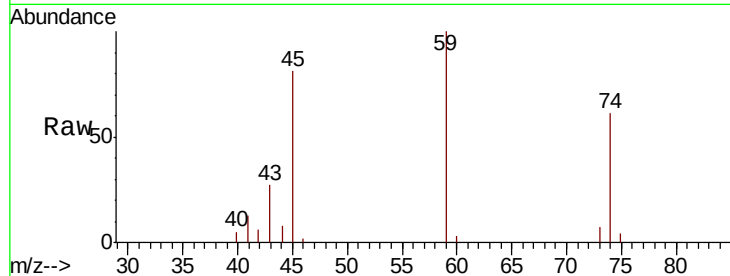
VD0506SBSD01

Tot Ion: 74 Resp: 19251

Ion Ratio Lower Upper

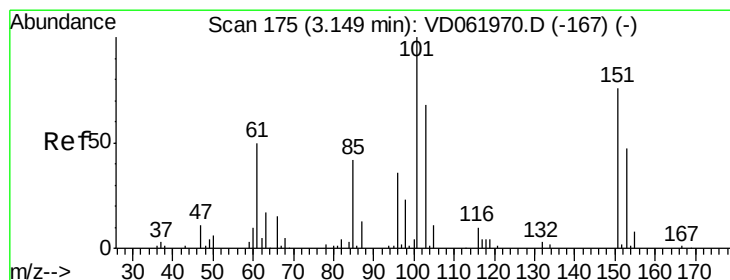
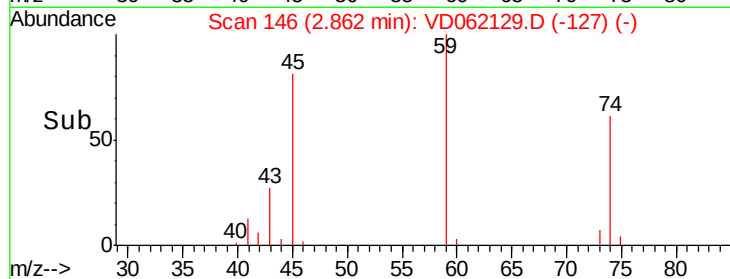
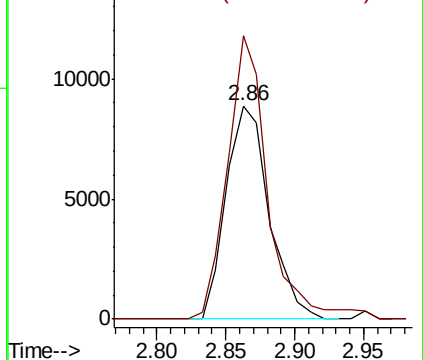
74 100

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

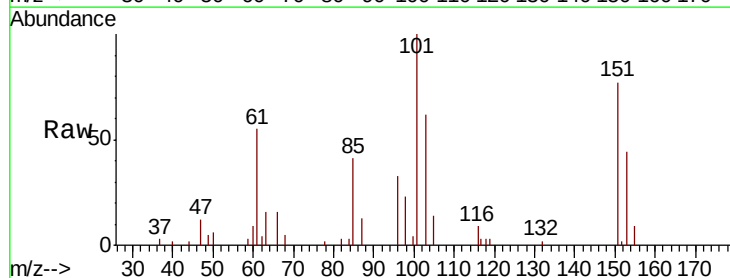
Tgt Ion:101 Resp: 55977

Ion Ratio Lower Upper

101 100

85 40.9 32.4 48.6

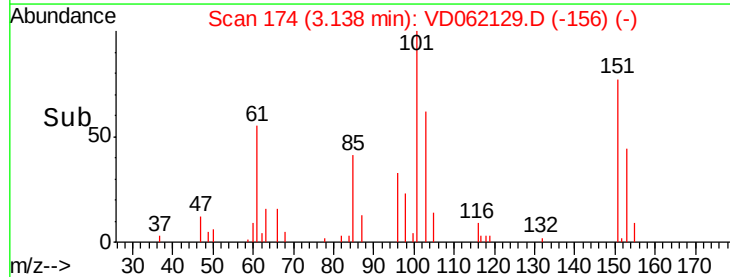
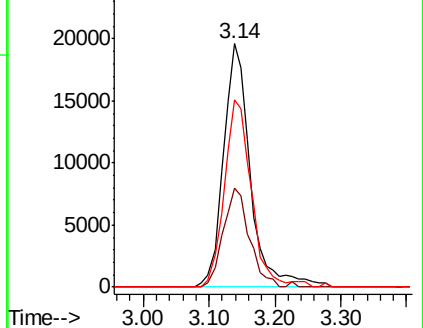
151 76.7 59.4 89.0

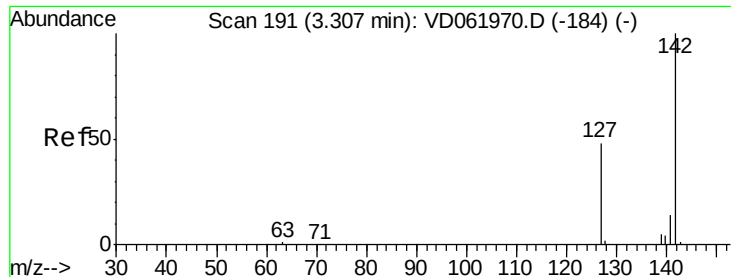


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





#10

Methvl 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

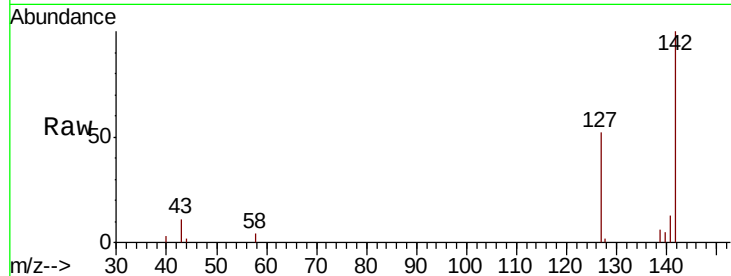
Tot Ion:142 Resp: 36015

Ion Ratio Lower Upper

142 100

127 51.7 38.8 58.2

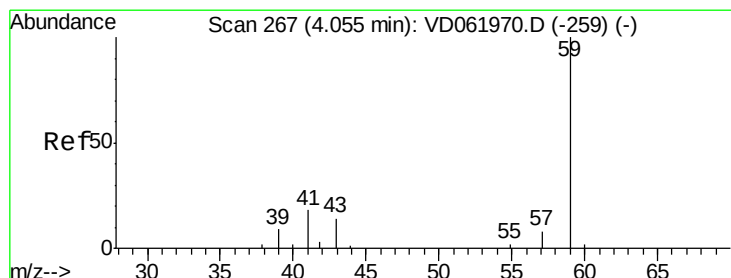
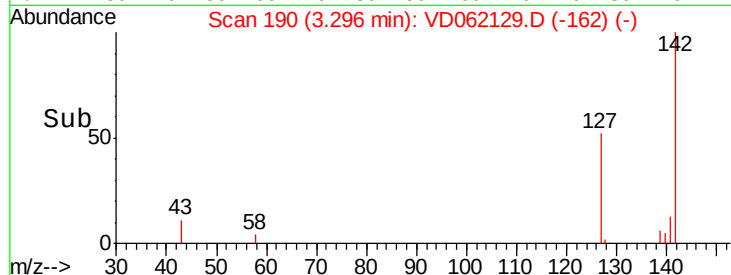
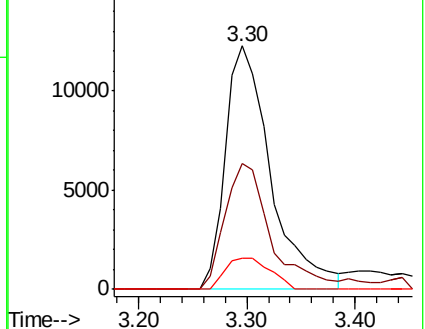
141 12.8 11.4 17.0



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

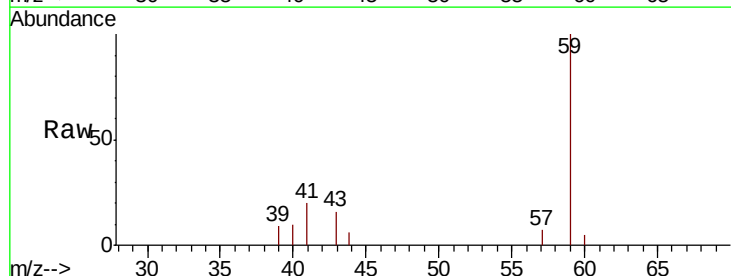
Acq: 6 May 2019 14:28

Tgt Ion: 59 Resp: 25507

Ion Ratio Lower Upper

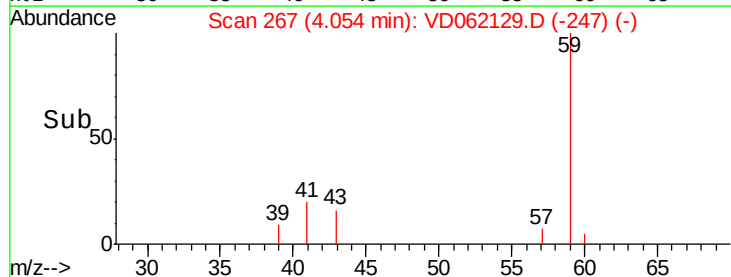
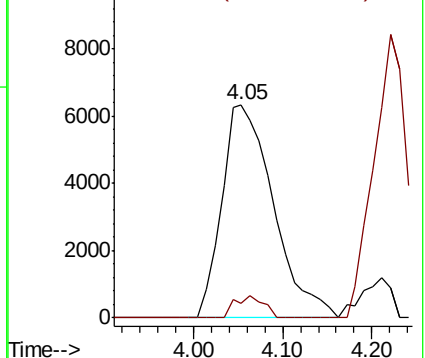
59 100

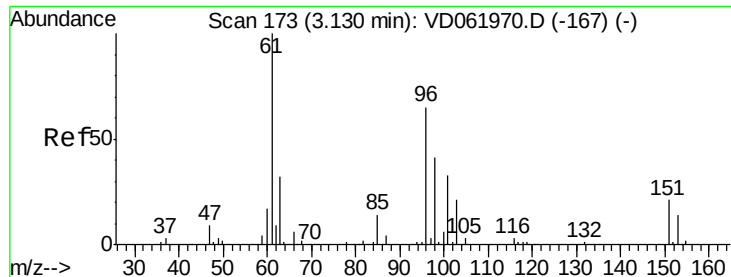
57 6.7 6.9 10.3#



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

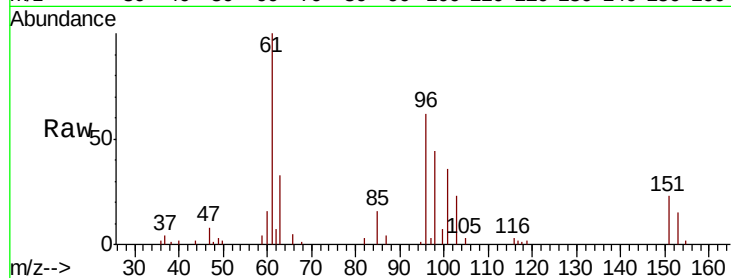
Tot Ion: 96 Resp: 37591

Ion Ratio Lower Upper

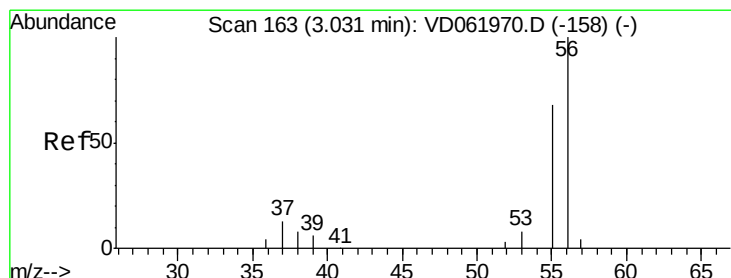
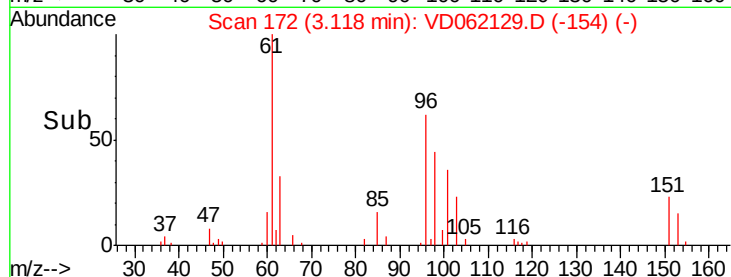
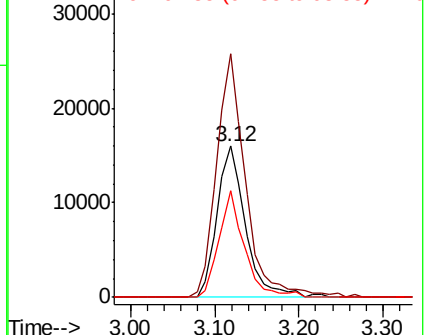
96 100

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

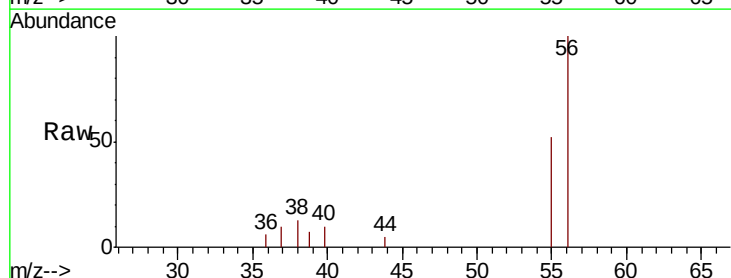
Acq: 6 May 2019 14:28

Tgt Ion: 56 Resp: 15994

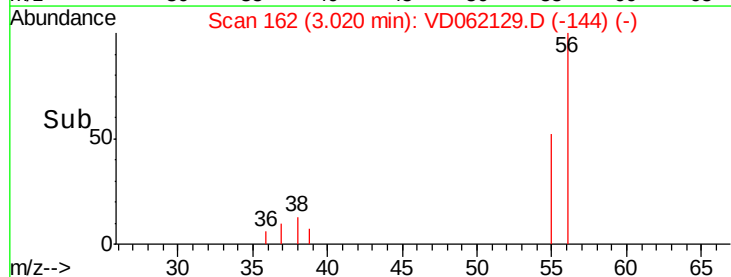
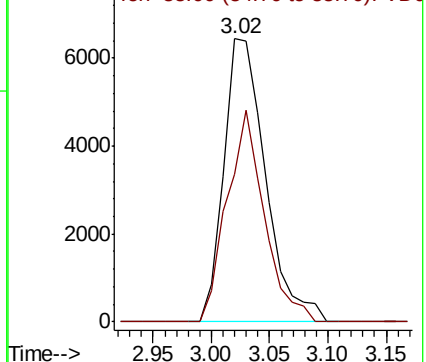
Ion Ratio Lower Upper

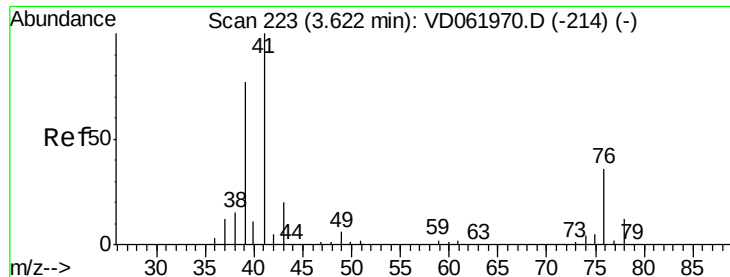
56 100

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

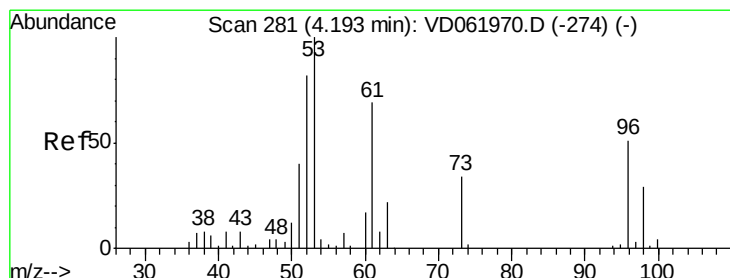
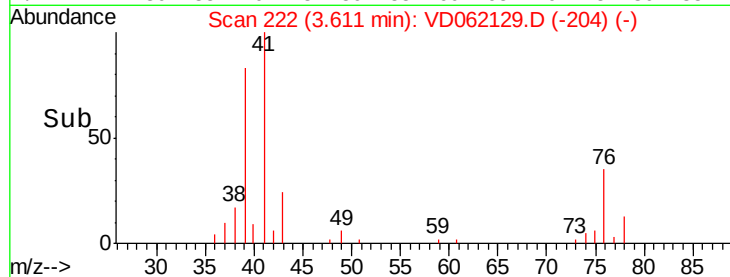
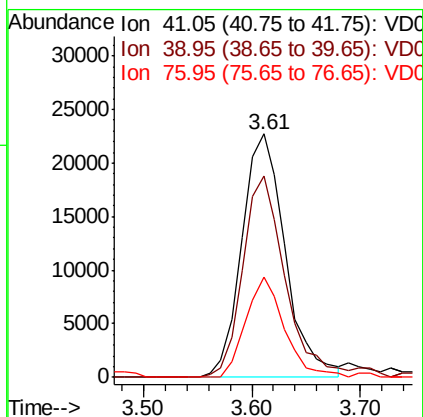
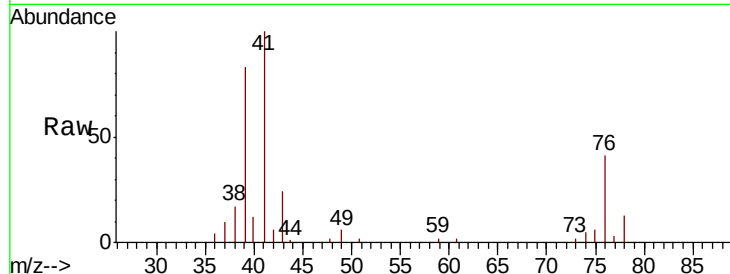




#14
Allvl chloride
Concen: 14.540 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

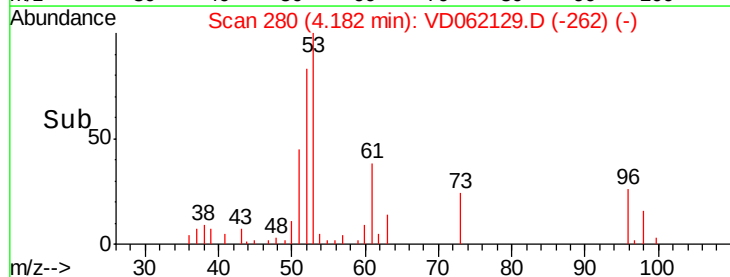
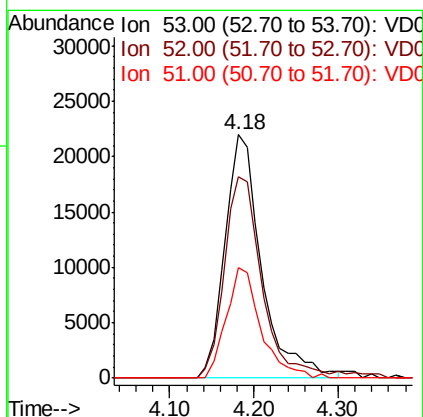
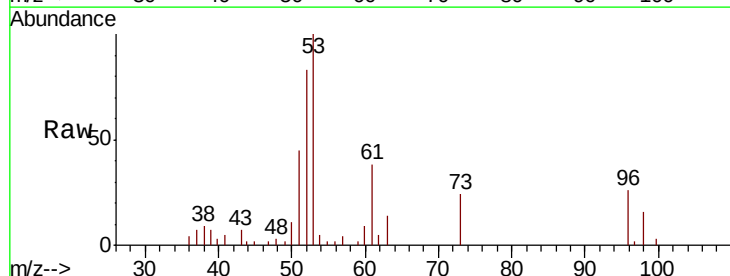
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

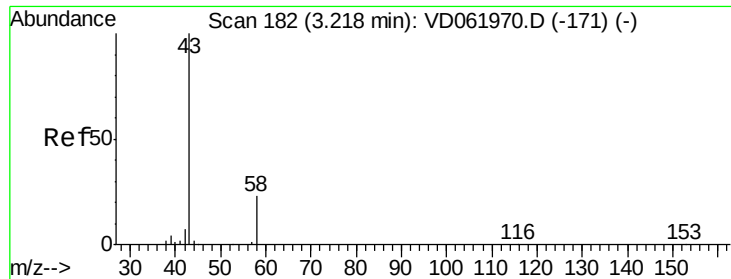
Tot Ion: 41 Resp: 63545
Ion Ratio Lower Upper
41 100
39 82.7 60.5 90.7
76 40.9 31.8 47.8



#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 :

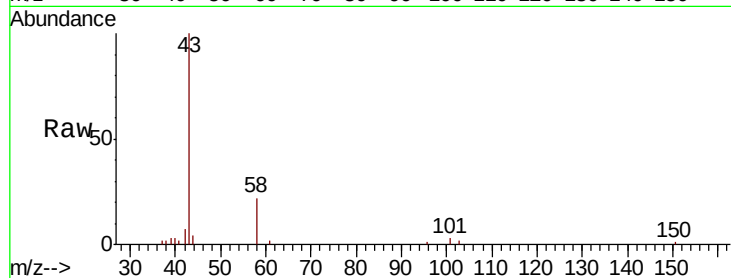
VD0506SBS01

Tot Ion: 43 Resp: 87195

Ion Ratio Lower Upper

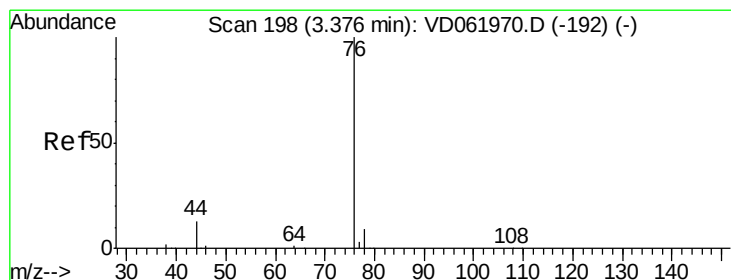
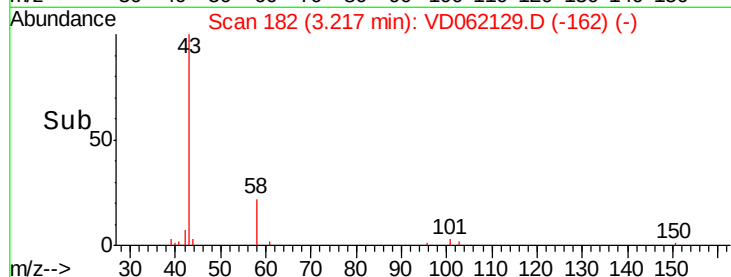
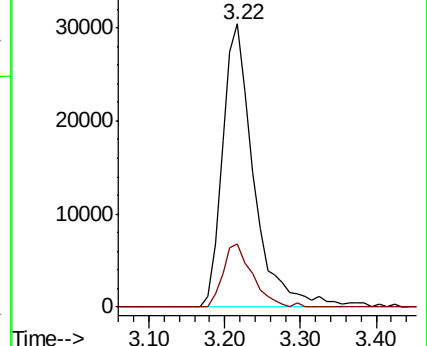
43 100

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

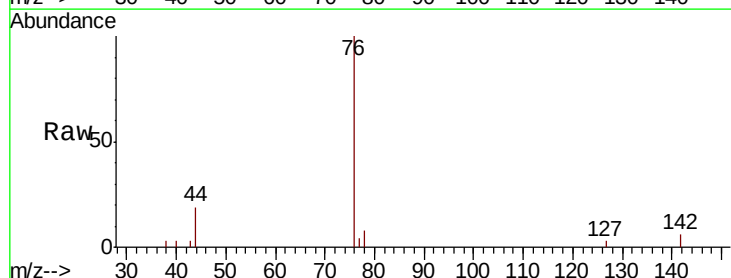
Acq: 6 May 2019 14:28

Tgt Ion: 76 Resp: 50667

Ion Ratio Lower Upper

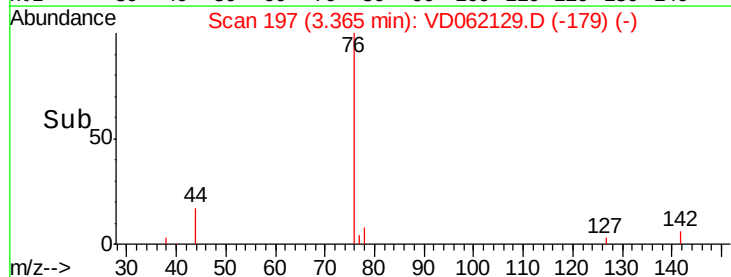
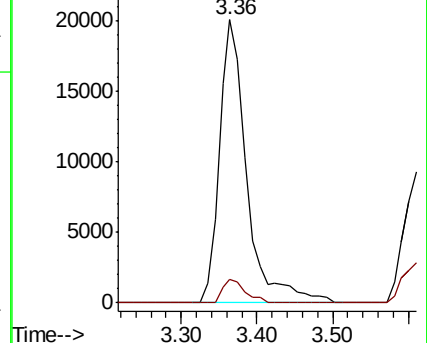
76 100

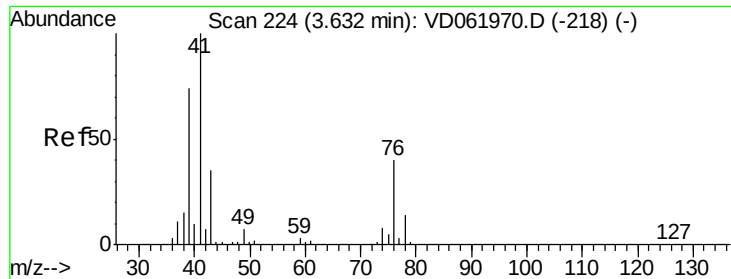
78 8.5 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

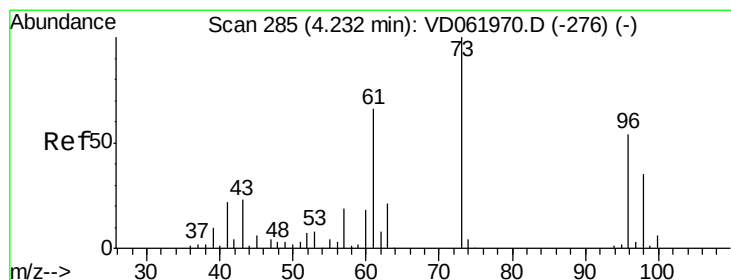
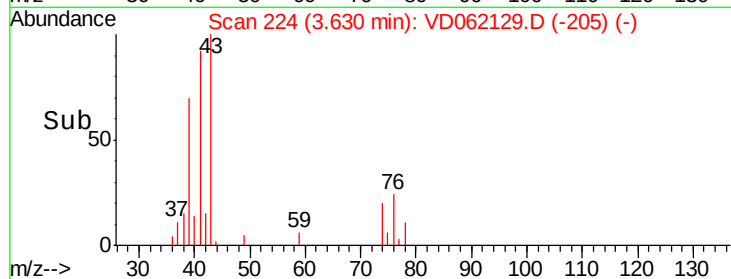
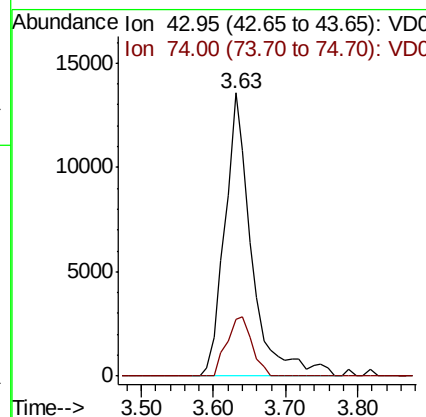
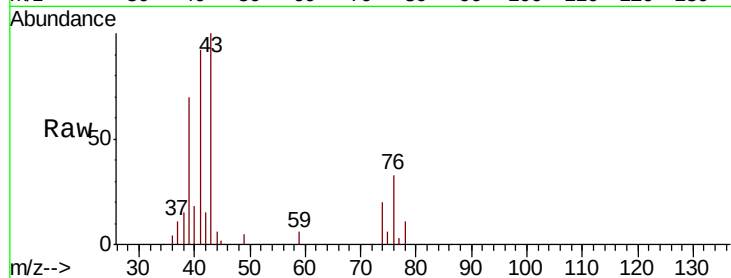




#18
Methyl Acetate
Concen: 25.174 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

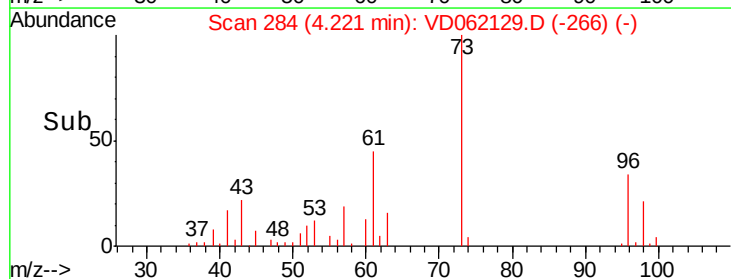
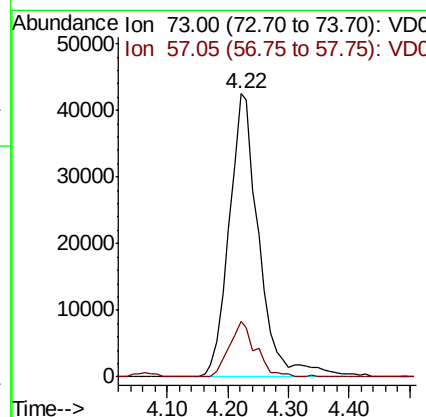
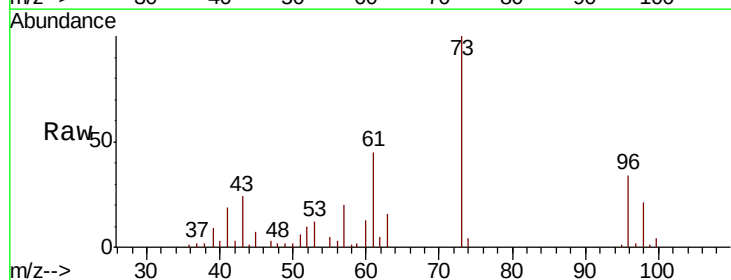
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

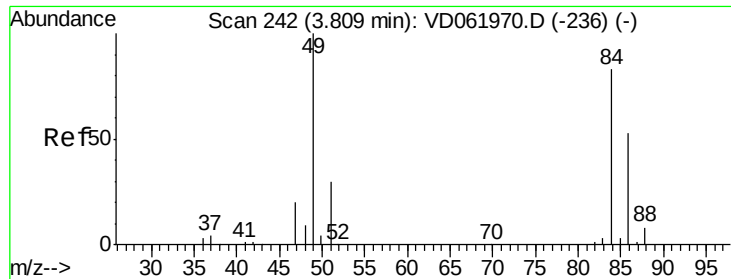
Tot Ion: 43 Resp: 34928
Ion Ratio Lower Upper
43 100
74 20.3 18.0 27.0



#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

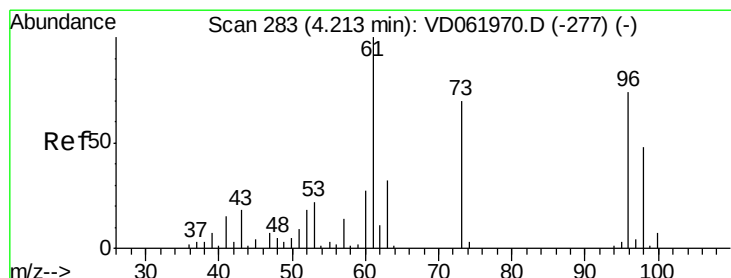
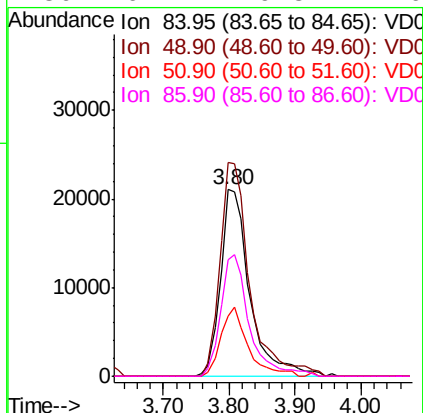
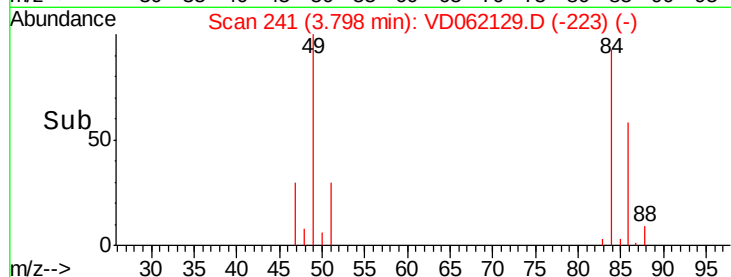
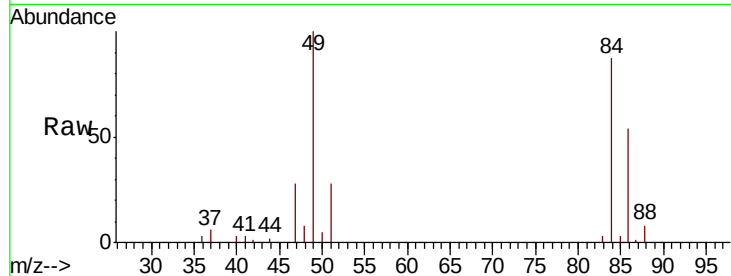




#20
Methylene Chloride
Concen: 16.205 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

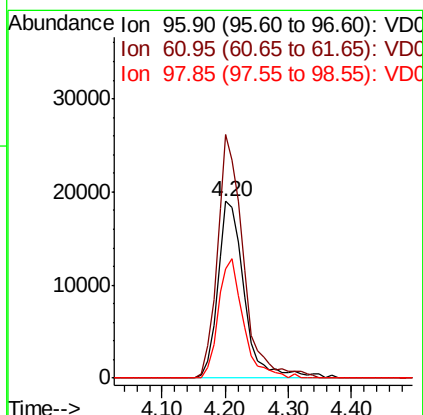
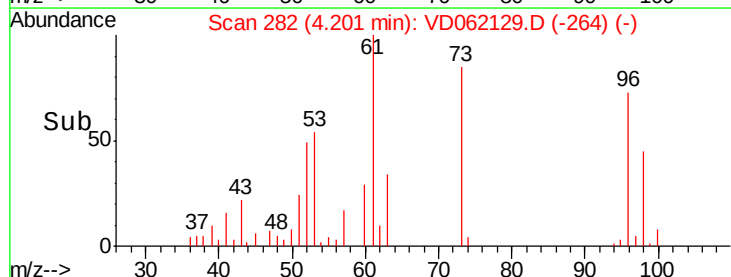
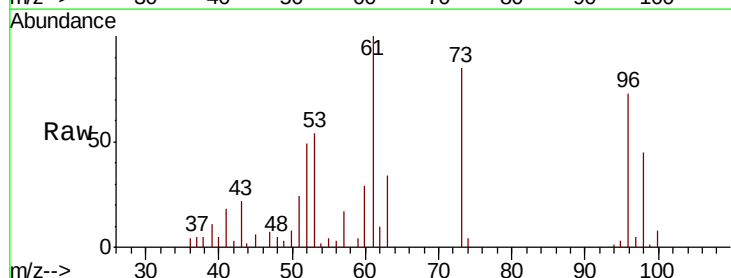
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

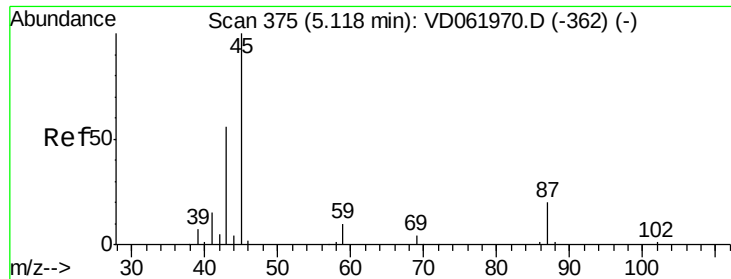
Tot Ion:	84	Resp:	65585
Ion	Ratio	Lower	Upper
84	100		
49	114.4	94.0	141.0
51	32.3	29.0	43.4
86	62.4	49.8	74.6



#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





#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 :

VD0506SBSD01

Tot Ion: 45 Resp: 189689

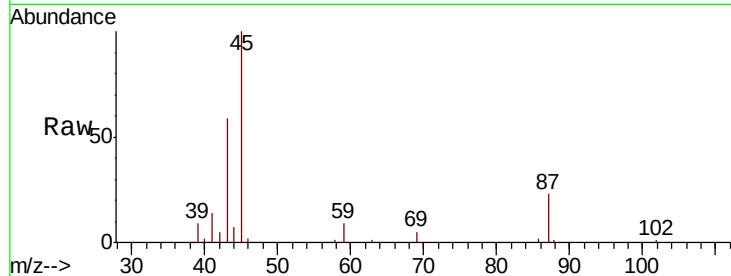
Ion Ratio Lower Upper

45 100

43 58.6 46.2 69.2

87 23.4 15.9 23.9

59 8.9 7.9 11.9

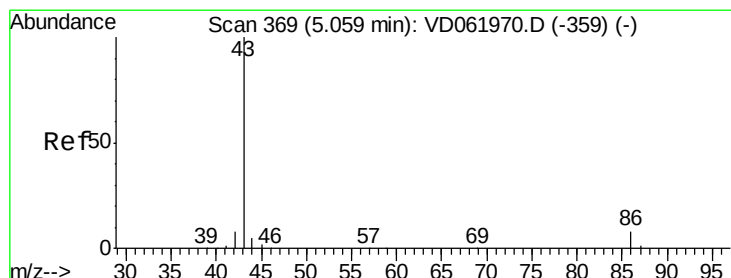
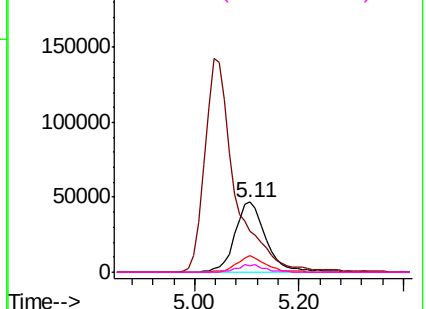
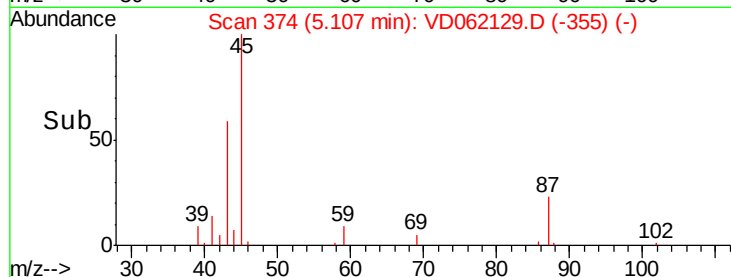


Abundance Ion 45.05 (44.75 to 45.75): VDC

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

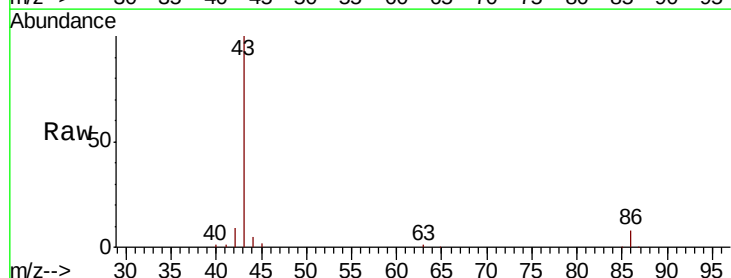
Acq: 6 May 2019 14:28

Tgt Ion: 43 Resp: 566701

Ion Ratio Lower Upper

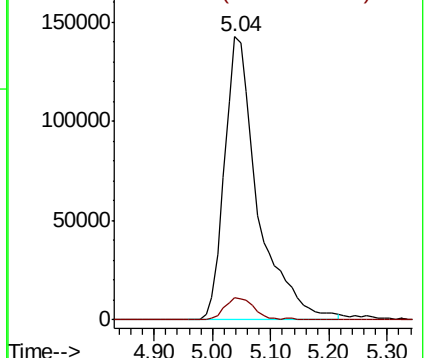
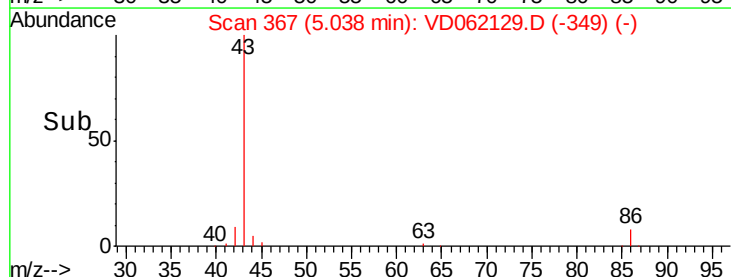
43 100

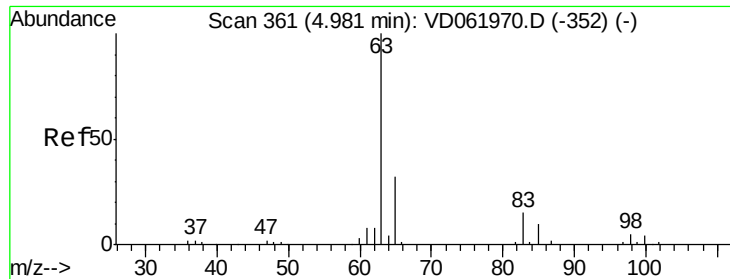
86 7.7 6.4 9.6



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 :

VD0506SBS01

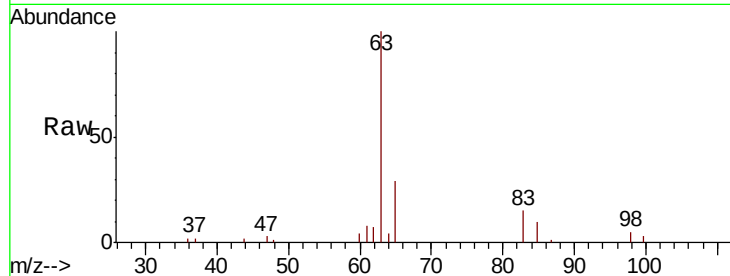
Tot Ion: 63 Resp: 106413

Ion Ratio Lower Upper

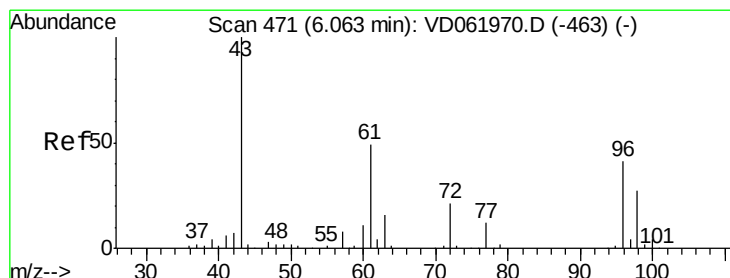
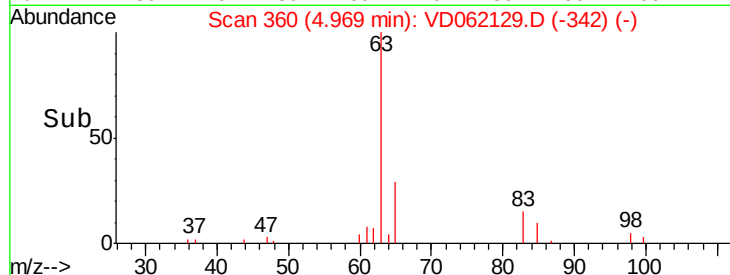
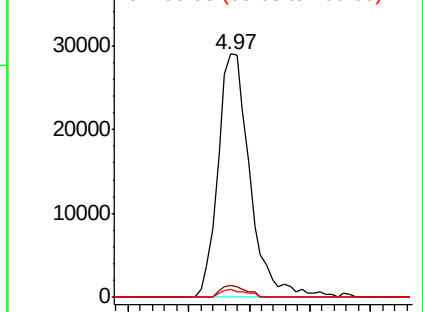
63 100

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

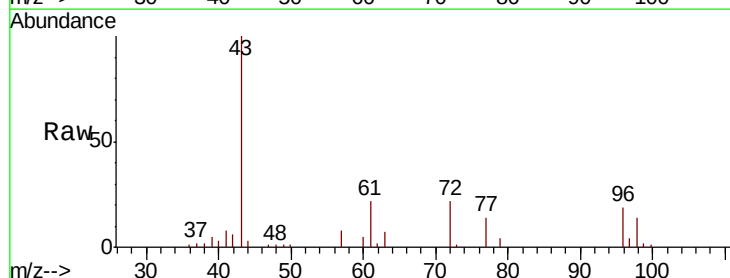
Acq: 6 May 2019 14:28

Tgt Ion: 43 Resp: 106550

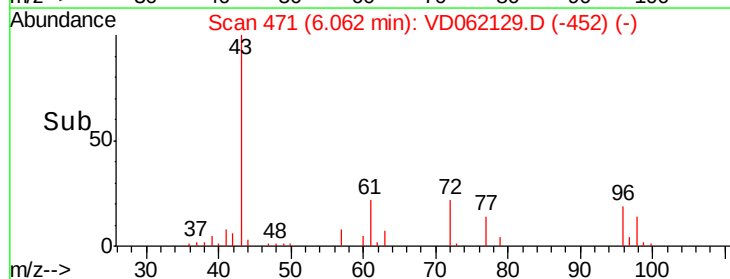
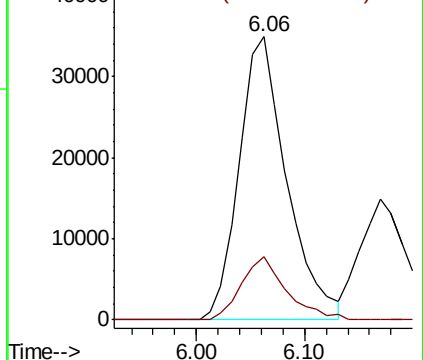
Ion Ratio Lower Upper

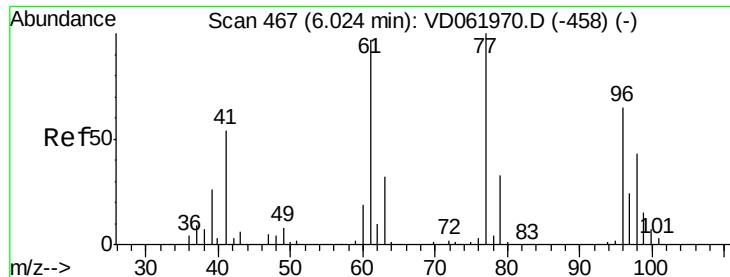
43 100

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 :

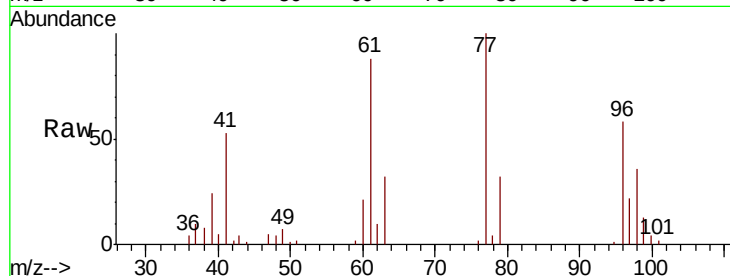
VD0506SBSD01

Tot Ion: 77 Resp: 102879

Ion Ratio Lower Upper

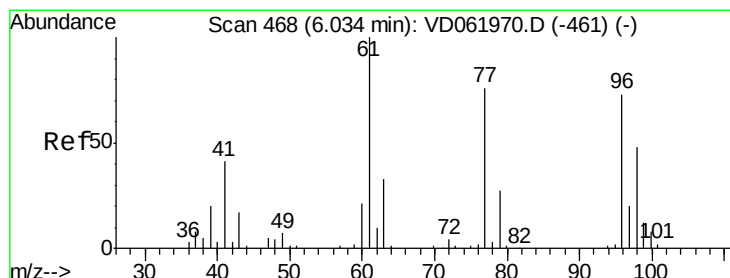
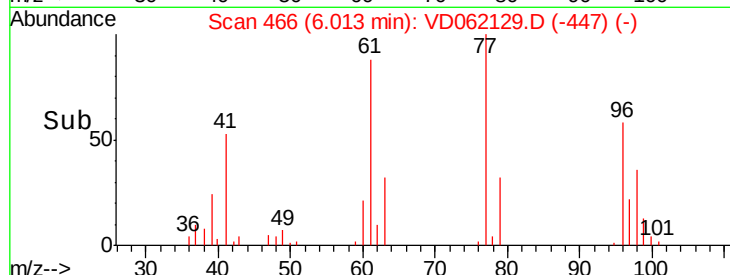
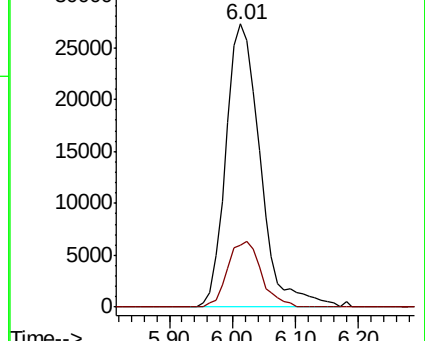
77 100

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



#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

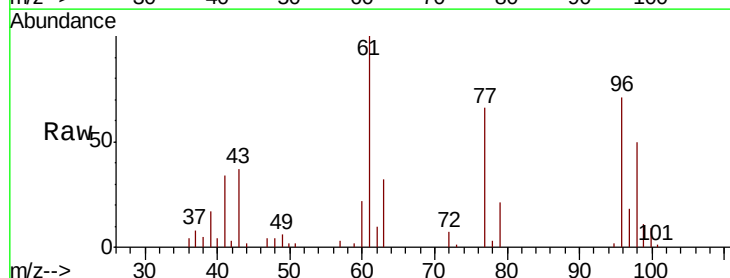
Tgt Ion: 96 Resp: 72316

Ion Ratio Lower Upper

96 100

61 141.2 0.0 279.8

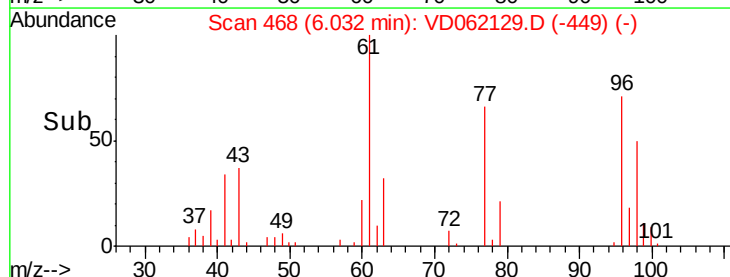
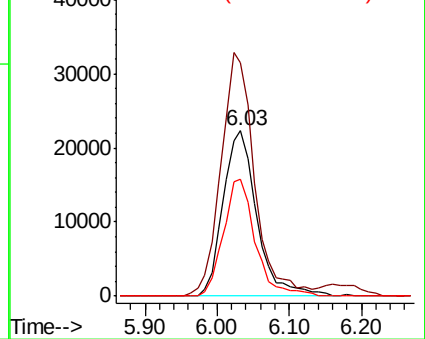
98 71.1 0.0 136.0

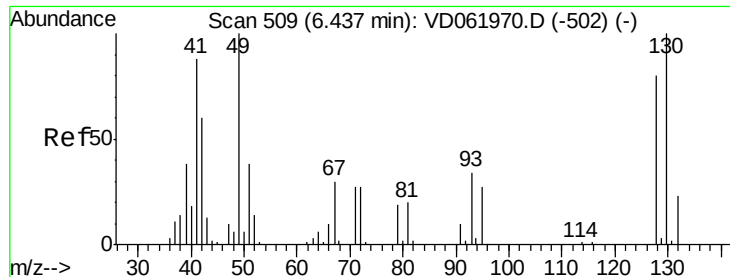


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

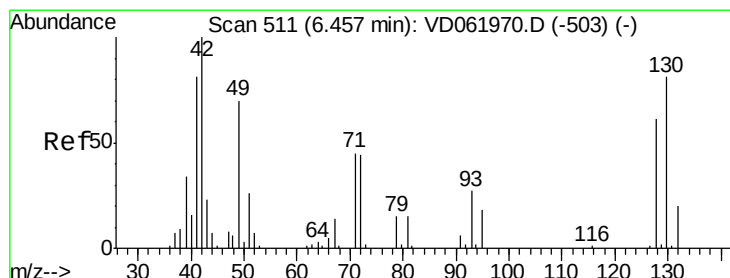
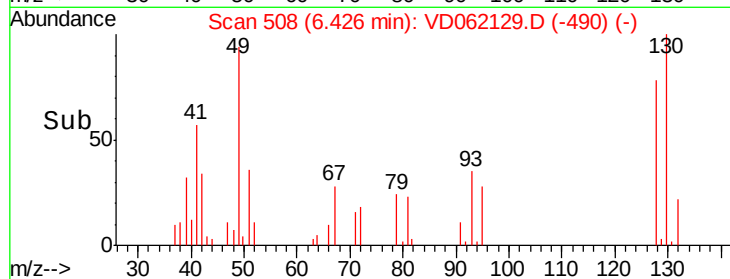
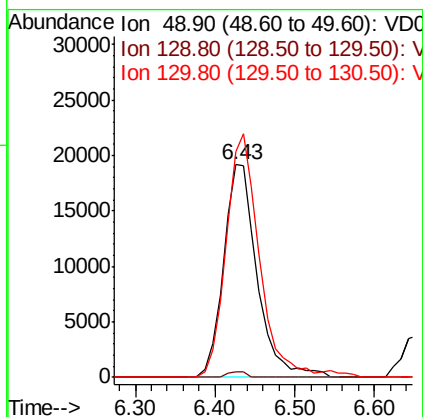
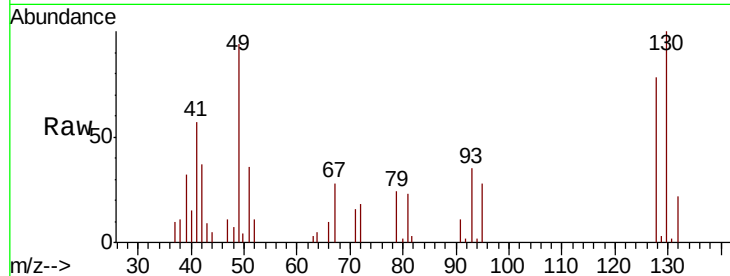




#28
Bromochloromethane
Concen: 23.928 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

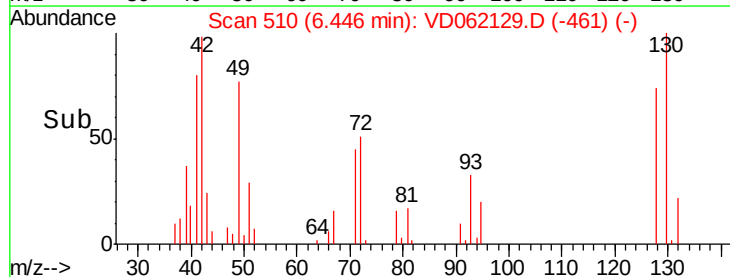
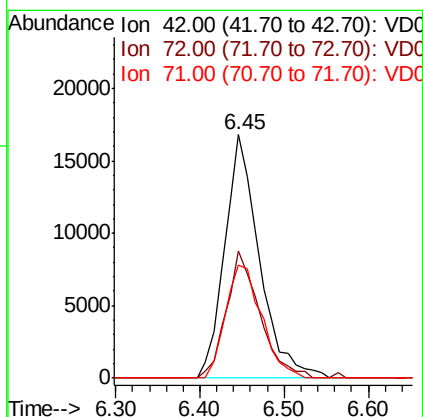
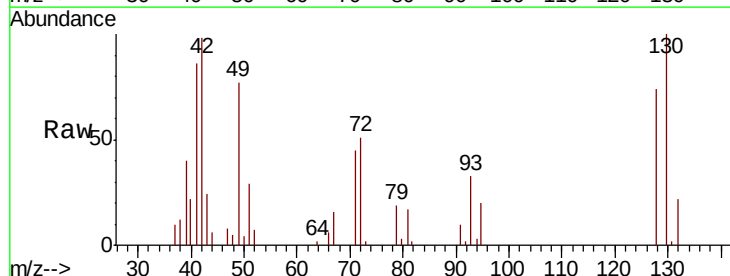
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

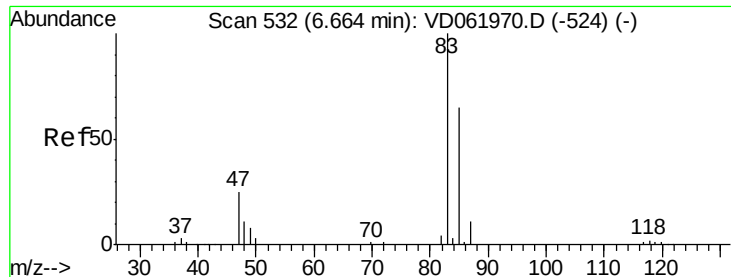
Tot Ion: 49 Resp: 56462
Ion Ratio Lower Upper
49 100
129 2.8 0.0 6.6
130 106.3 86.7 130.1



#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

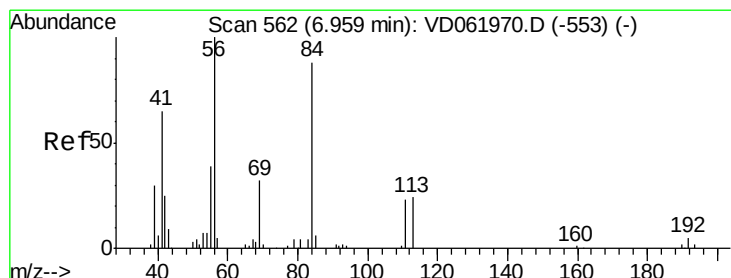
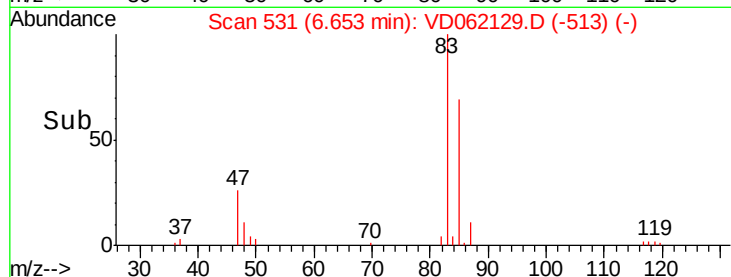
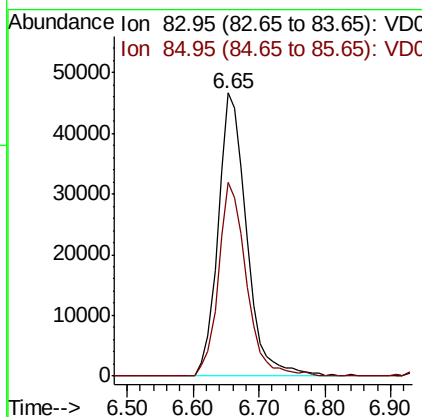
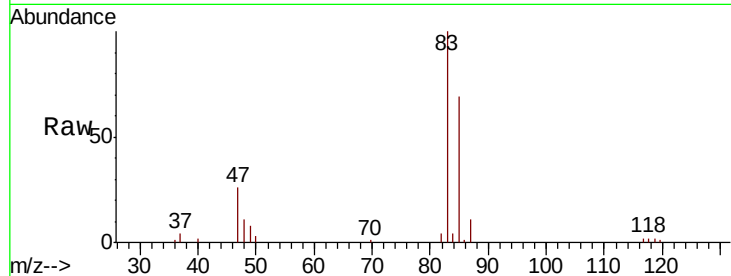




#30
Chloroform
Concen: 20.015 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.03 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

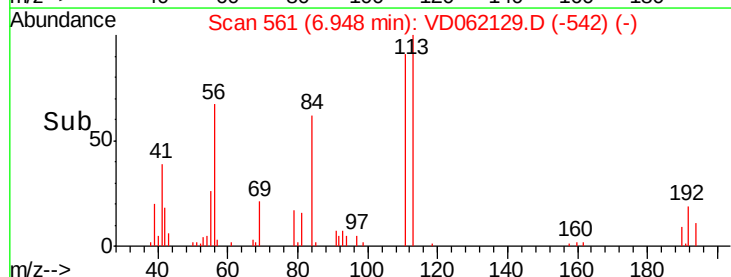
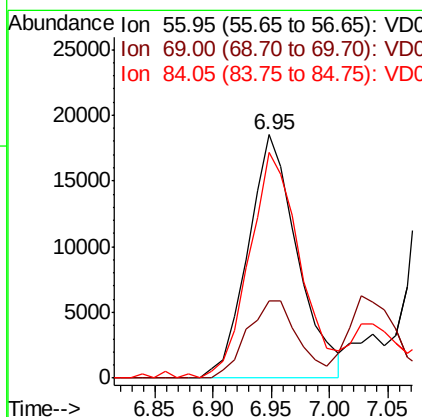
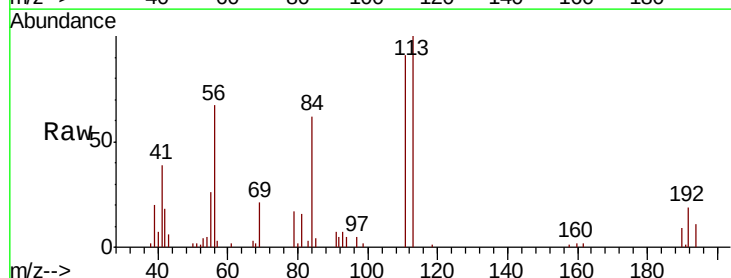
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

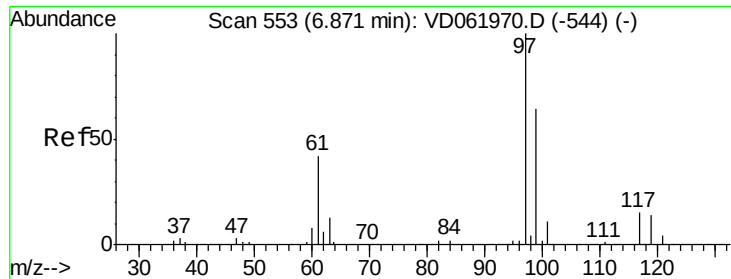
Tot Ion: 83 Resp: 140194
Ion Ratio Lower Upper
83 100
85 68.7 51.7 77.5



#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

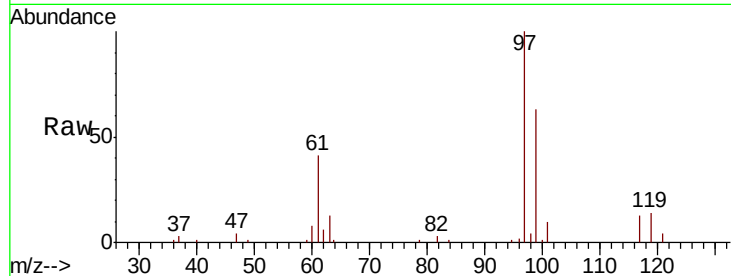
Tot Ion: 97 Resp: 115060

Ion Ratio Lower Upper

97 100

99 63.2 52.2 78.2

61 41.2 32.4 48.6

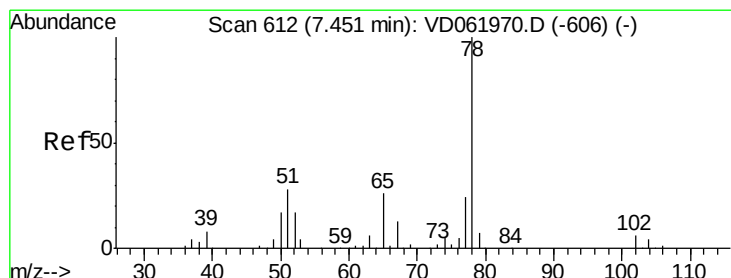
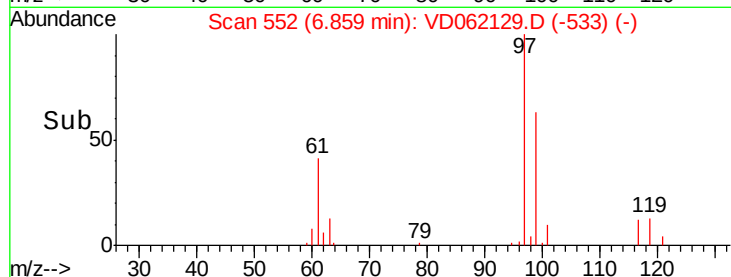
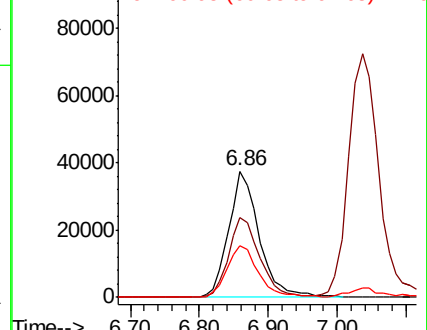


Abundance

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

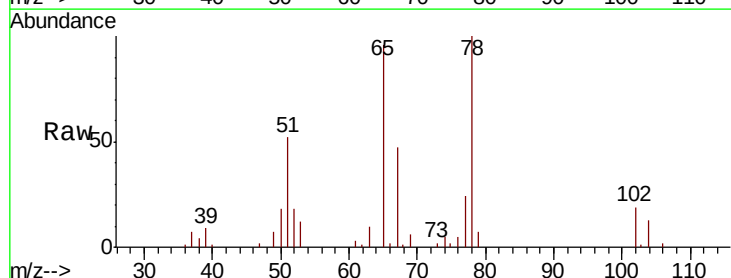
Acq: 6 May 2019 14:28

Tgt Ion: 65 Resp: 189200

Ion Ratio Lower Upper

65 100

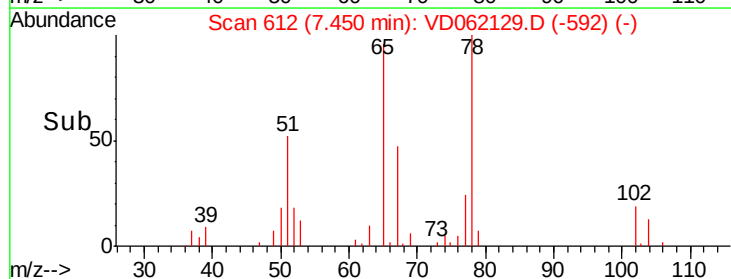
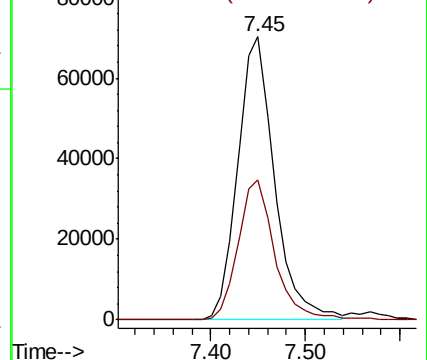
67 49.3 0.0 98.0

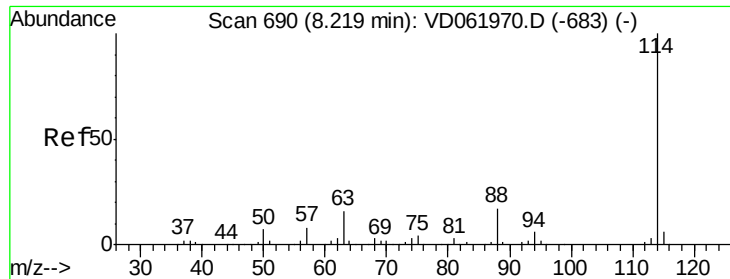


Abundance

Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

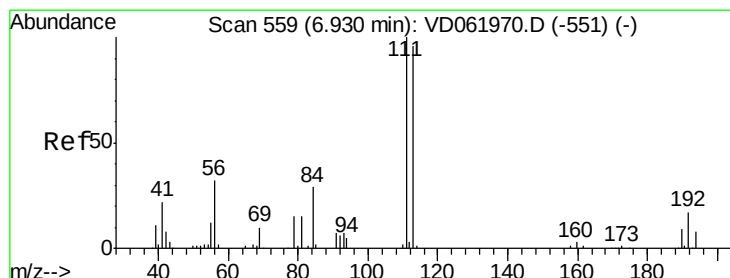
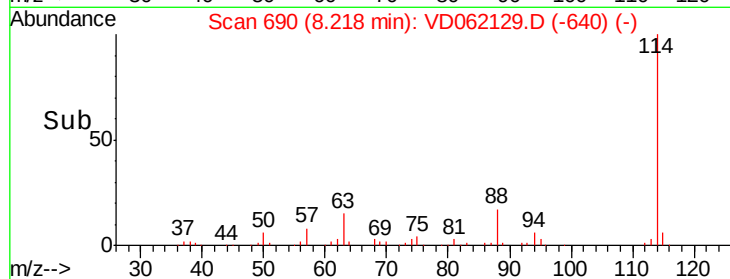
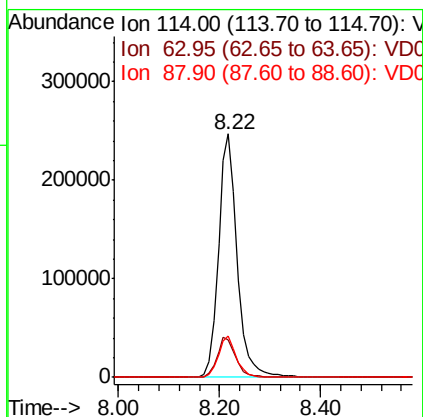
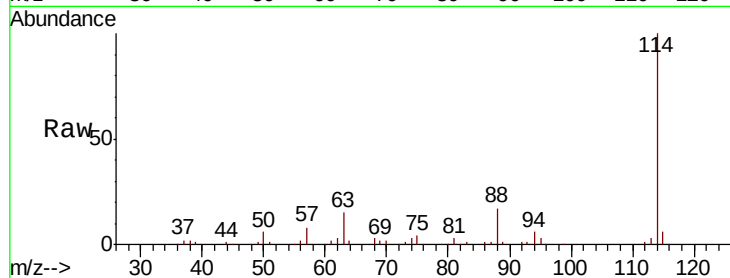




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

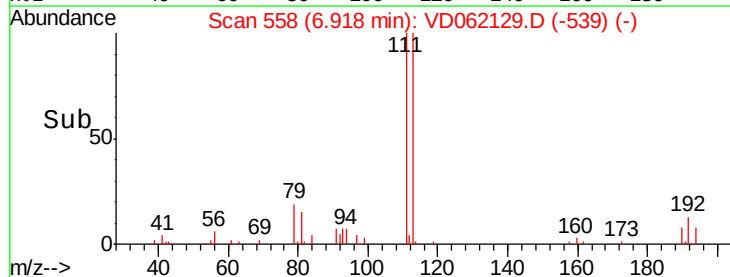
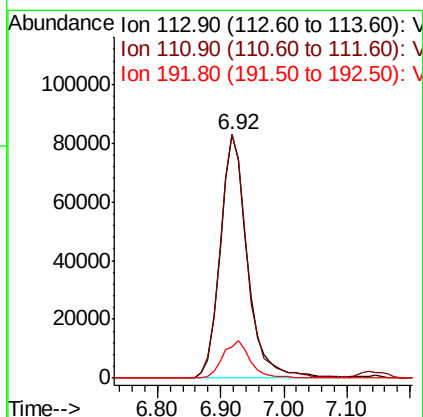
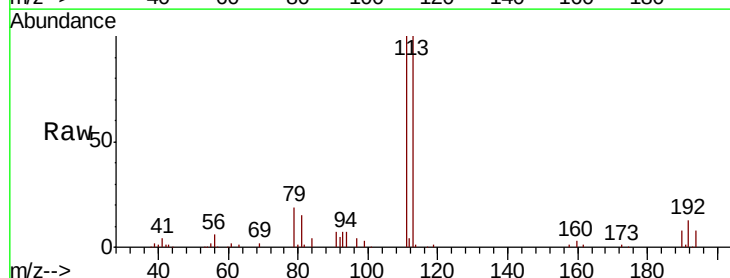
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

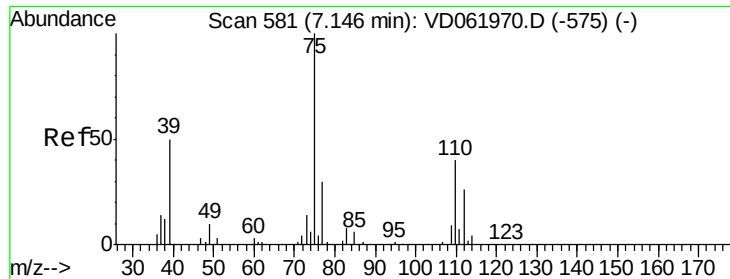
Tot Ion:114 Resp: 635452
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 32.4
 88 16.9 0.0 33.6



#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#

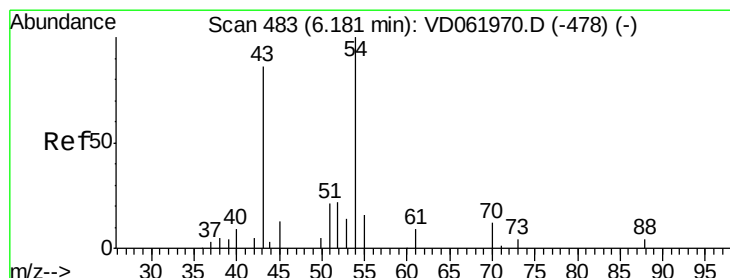
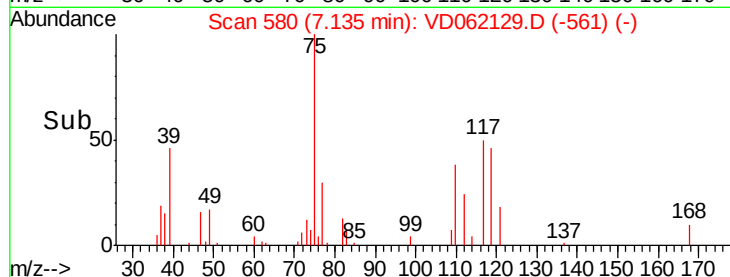
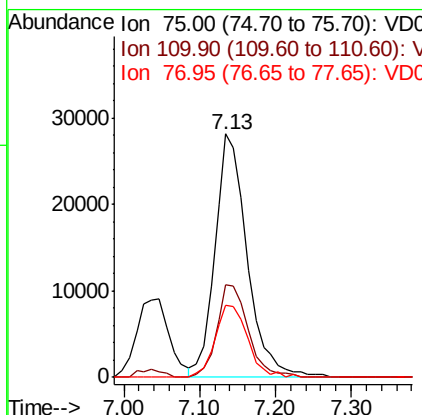
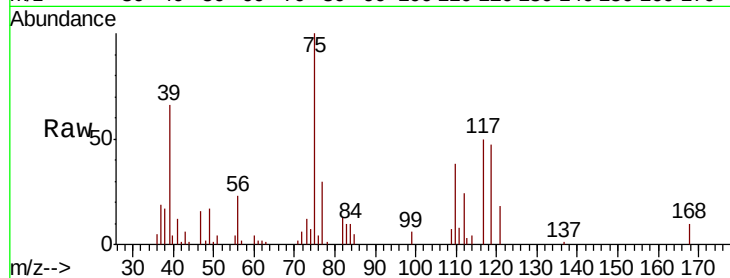




#36
 1,1-Dichloropropene
 Concen: 16.792 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

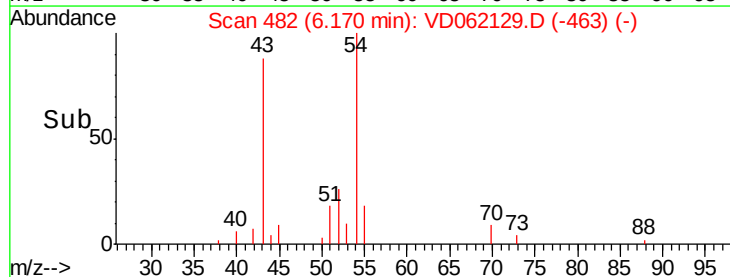
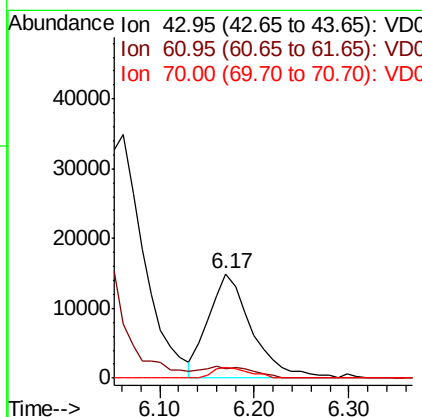
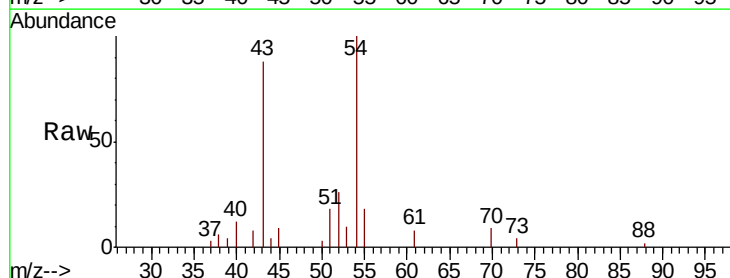
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

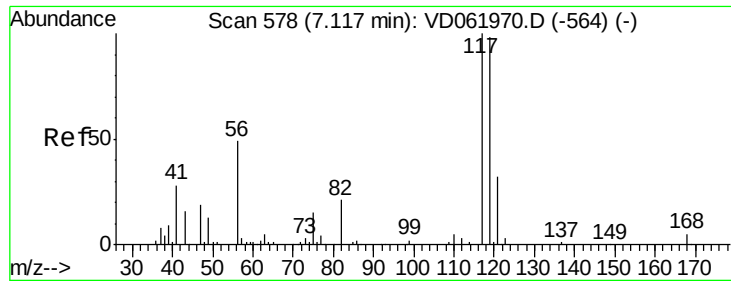
Tot Ion	75	Resp	83137
Ion Ratio	100	Lower	Upper
75	100		
110	38.2	19.1	57.1
77	29.8	25.6	38.4



#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	100	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 :

VD0506SBS01

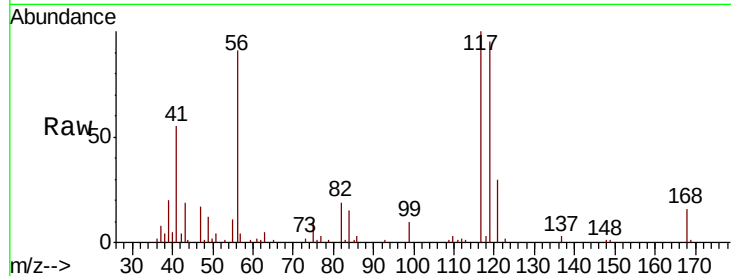
Tot Ion:117 Resp: 115541

Ion Ratio Lower Upper

117 100

119 94.8 75.8 113.8

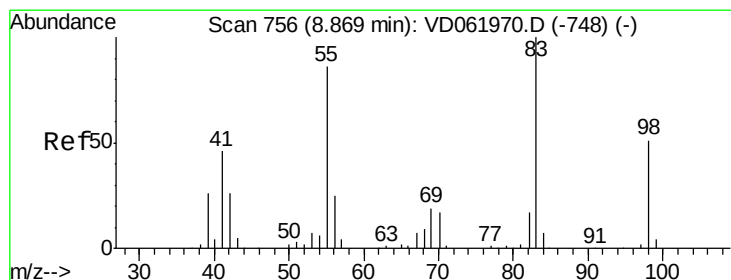
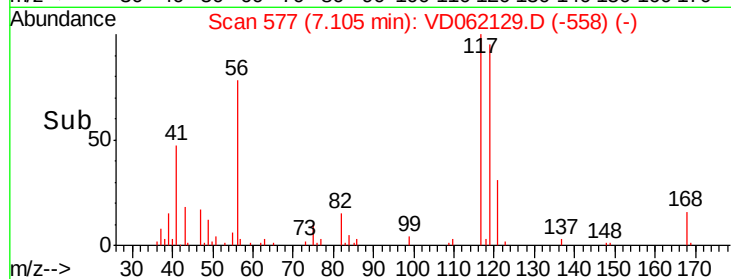
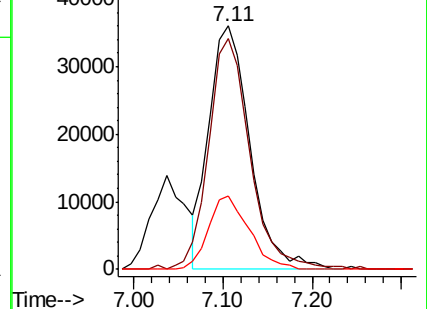
121 30.3 25.9 38.9



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

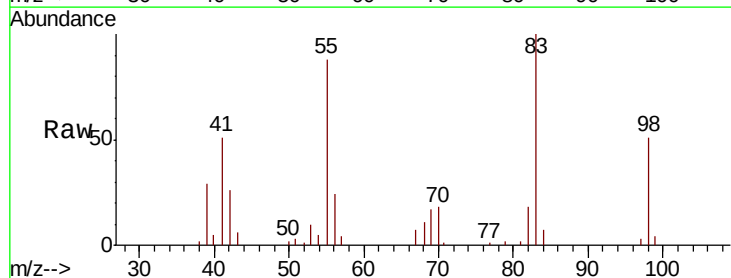
Tgt Ion: 83 Resp: 71503

Ion Ratio Lower Upper

83 100

55 88.2 68.2 102.4

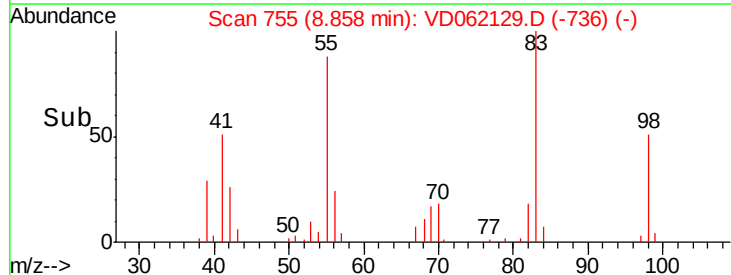
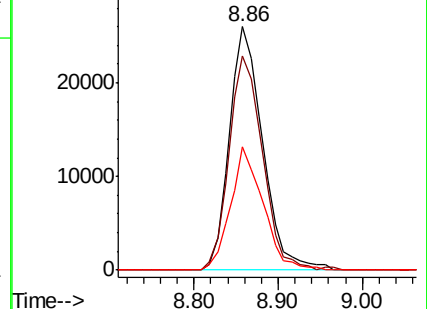
98 50.9 38.2 57.4

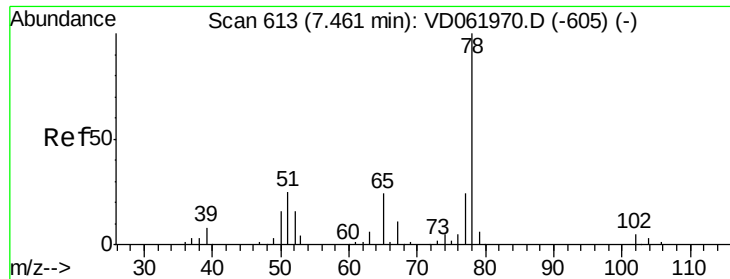


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#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 :

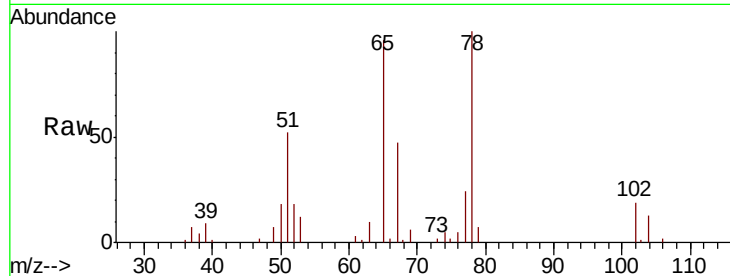
VD0506SBS01

Tot Ion: 78 Resp: 211126

Ion Ratio Lower Upper

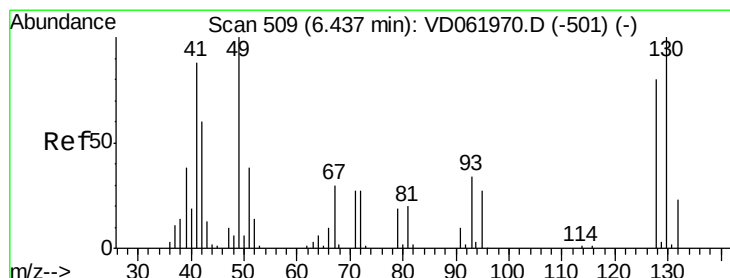
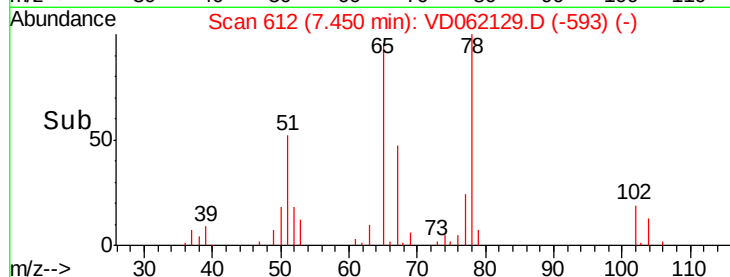
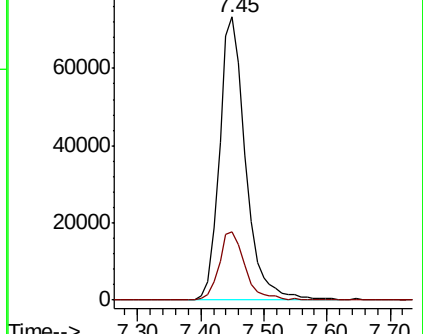
78 100

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

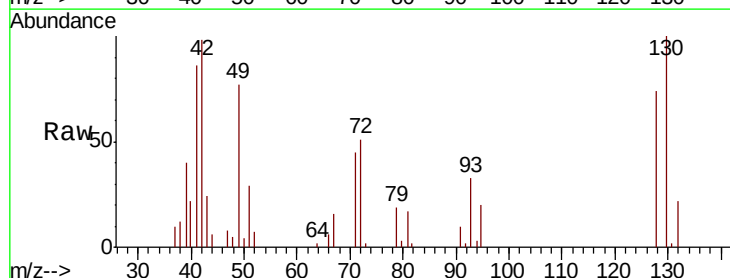
Ion Ratio Lower Upper

41 100

39 46.5 34.1 51.1

67 18.4 23.8 35.6#

52 8.3 8.8 13.2#

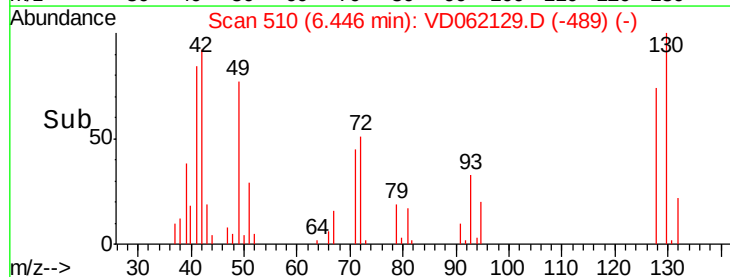
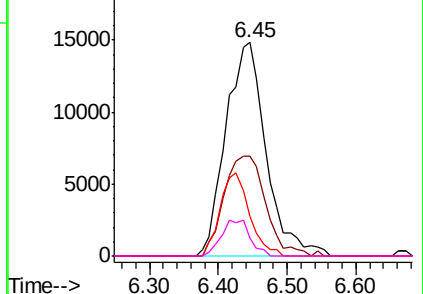


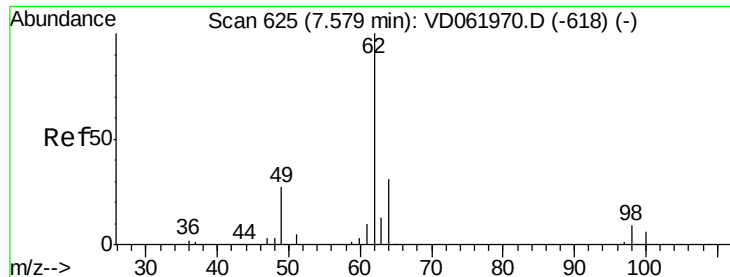
Abundance Ion 40.95 (40.65 to 41.65): VDC

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 :

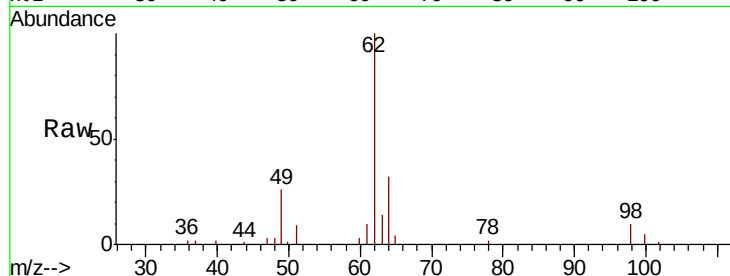
VD0506SBS01

Tot Ion: 62 Resp: 90226

Ion Ratio Lower Upper

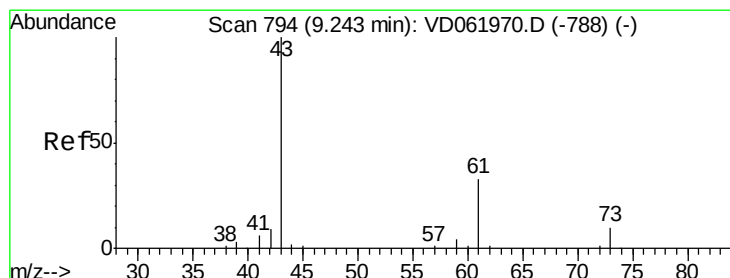
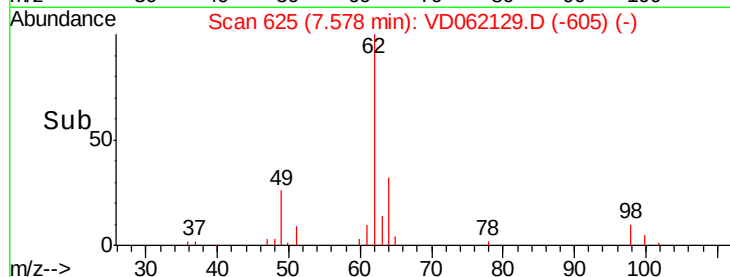
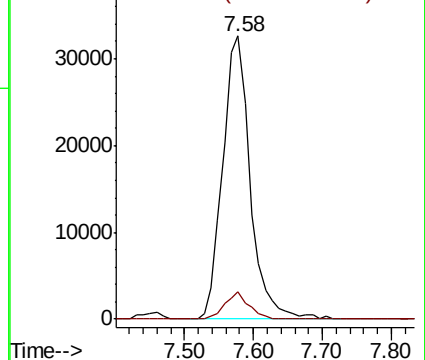
62 100

98 9.5 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#43

Isopropyl Acetate

Concen: 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

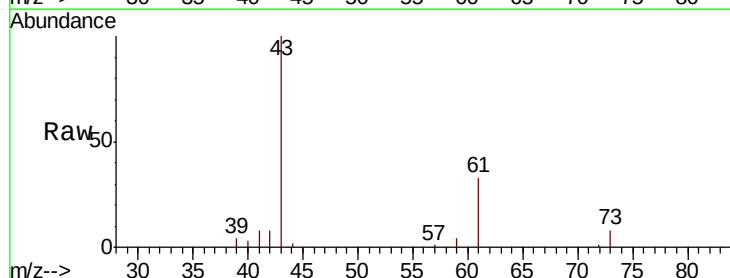
Tgt Ion: 43 Resp: 71522

Ion Ratio Lower Upper

43 100

61 32.6 25.1 37.7

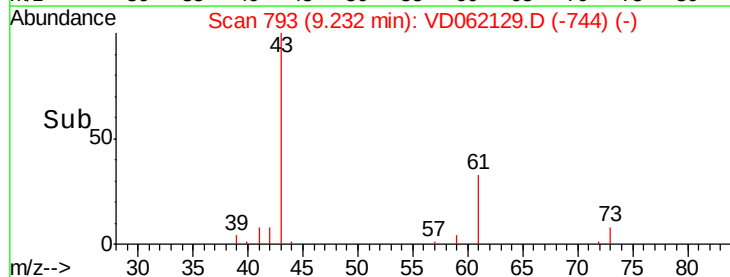
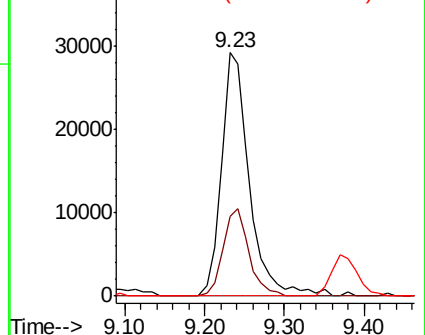
87 0.0 0.0 0.0

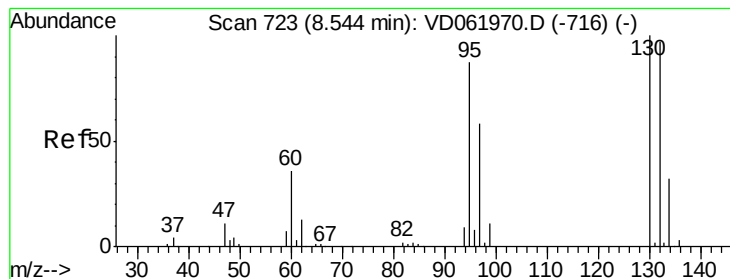


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#44

Trichloroethene

Concen: 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 :

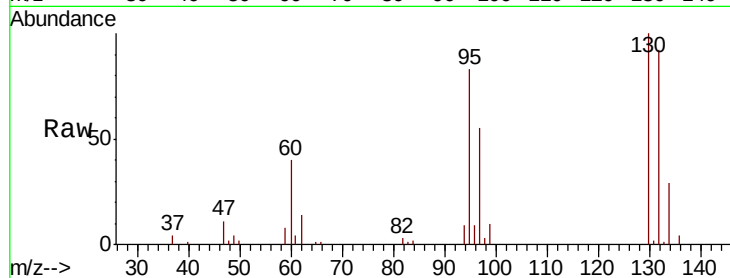
VD0506SBSD01

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

8.53

40000

30000

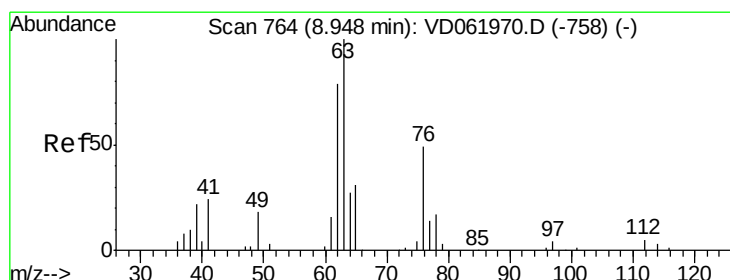
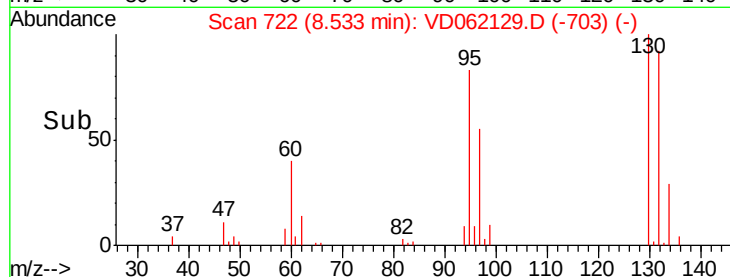
20000

10000

0

8.40 8.50 8.60 8.70

Time-->



#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

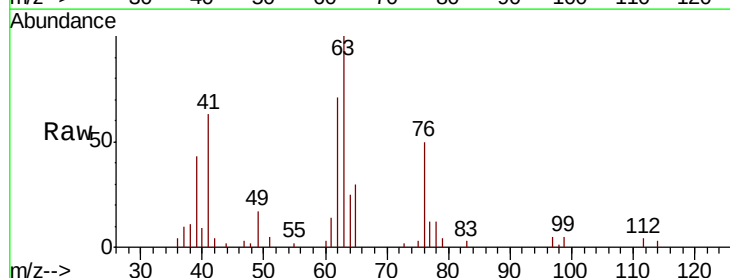
Acq: 6 May 2019 14:28

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

8.94

30000

25000

20000

15000

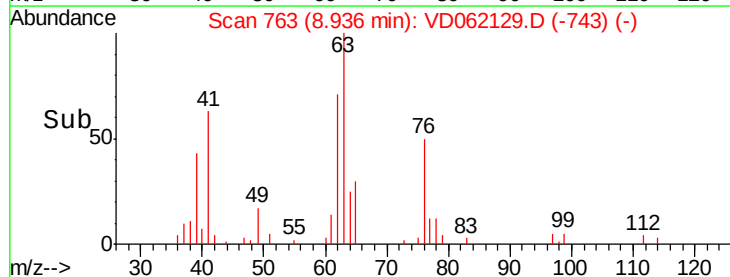
10000

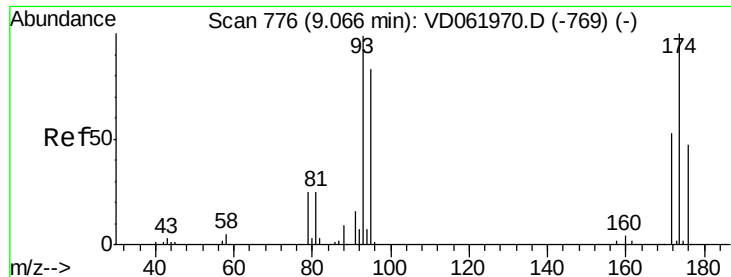
5000

0

8.80 8.90 9.00

Time-->

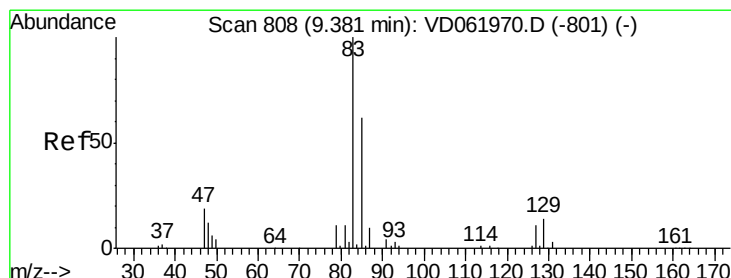
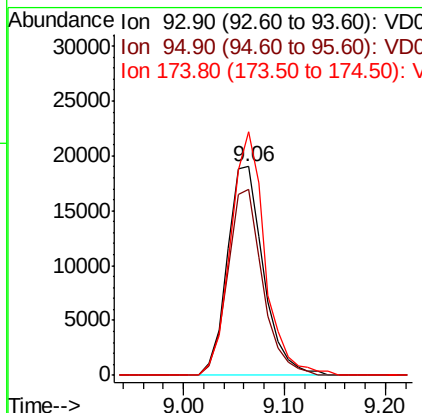
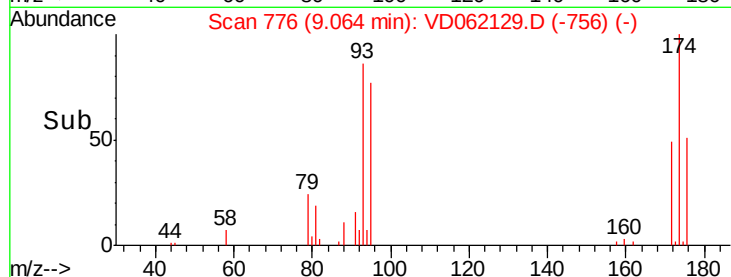
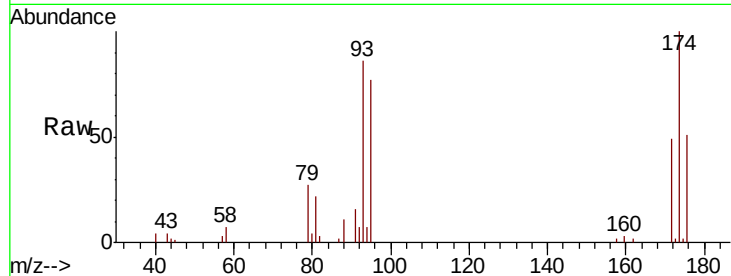




#46
Dibromomethane
Concen: 21.124 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

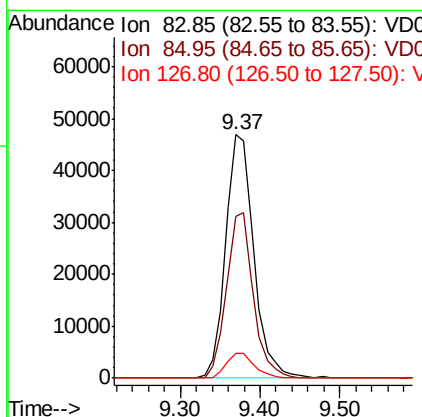
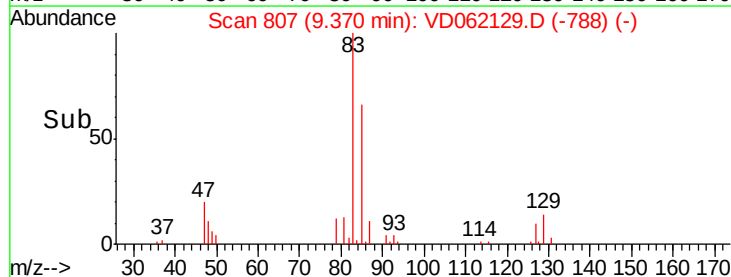
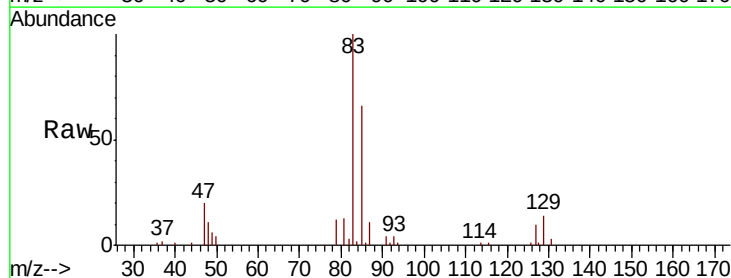
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

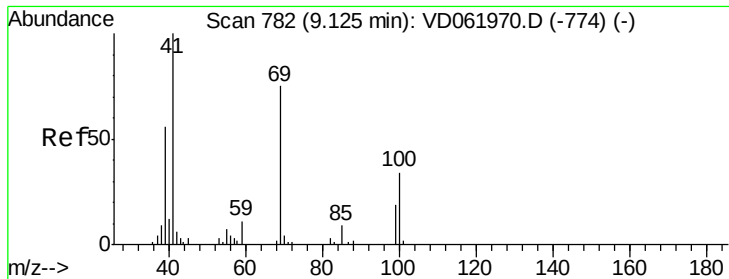
Tot Ion: 93 Resp: 47263
Ion Ratio Lower Upper
93 100
95 89.4 64.8 97.2
174 116.6 79.3 118.9



#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





#48

Methyl 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 :

VD0506SBS01

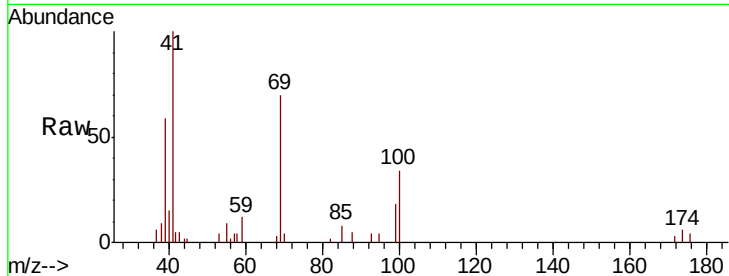
Tot Ion: 41 Resp: 39588

Ion Ratio Lower Upper

41 100

69 69.5 64.2 96.2

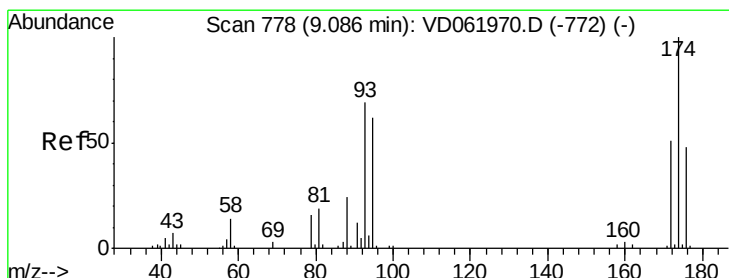
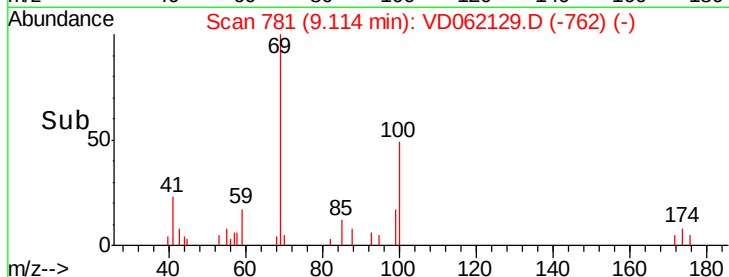
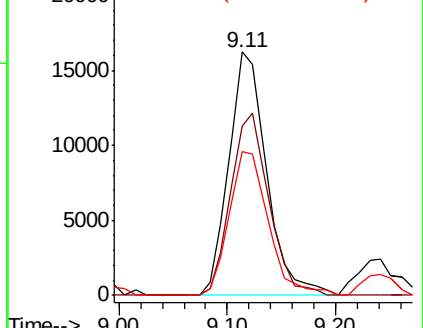
39 58.8 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC



#49

1,4-Dioxane

Concen: 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

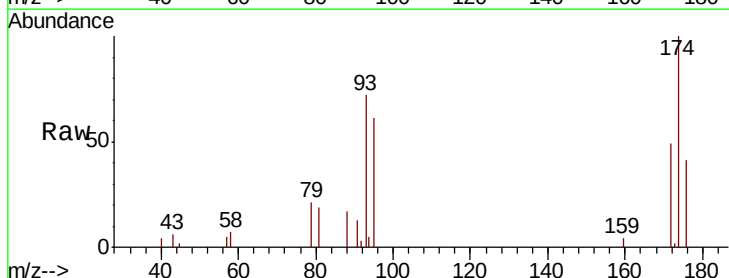
Tgt Ion: 88 Resp: 9025

Ion Ratio Lower Upper

88 100

43 34.9 23.4 35.0

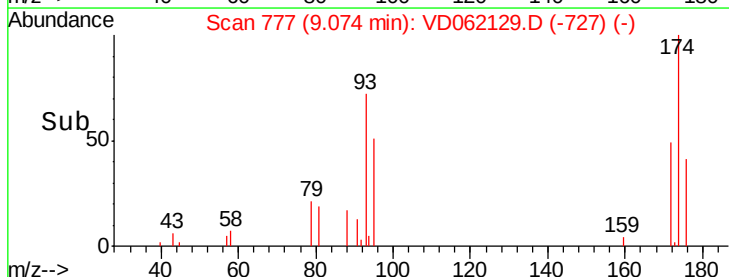
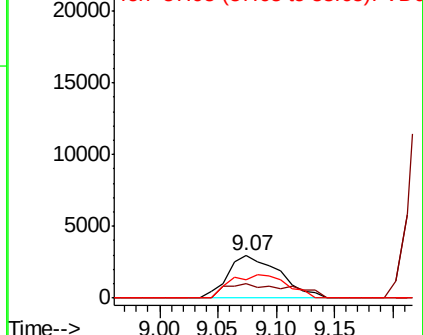
58 44.0 44.0 66.0#

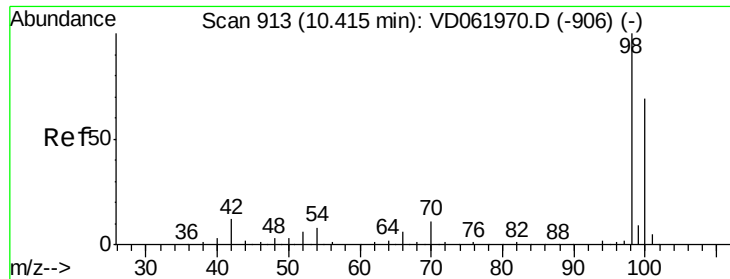


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

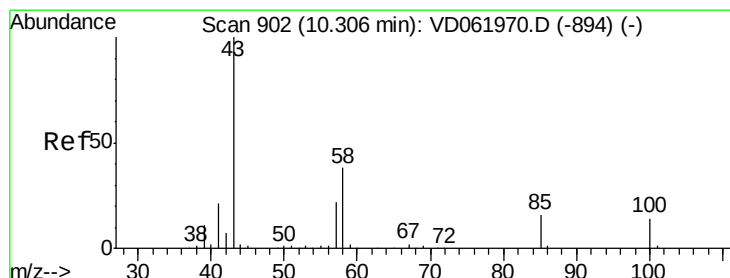
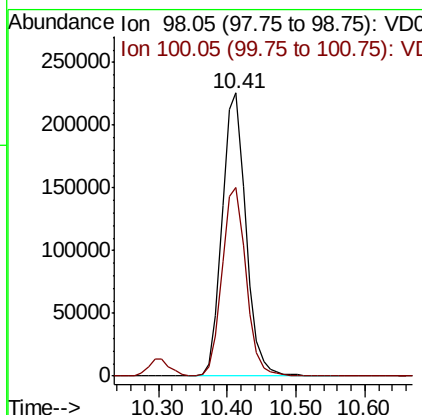
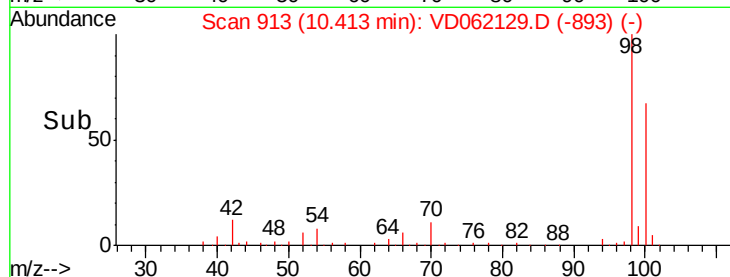
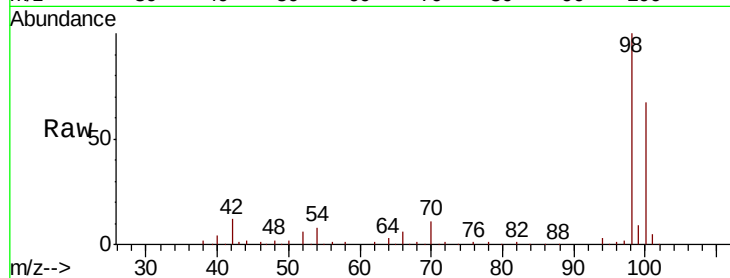




#50
Toluene-d8
Concen: 51.655 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

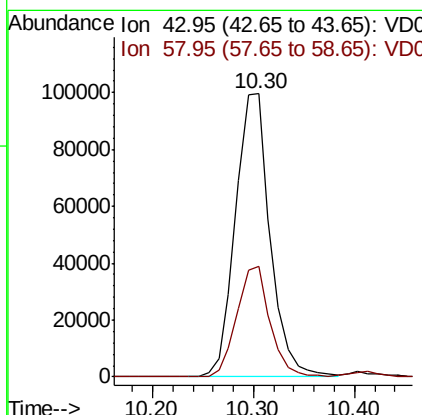
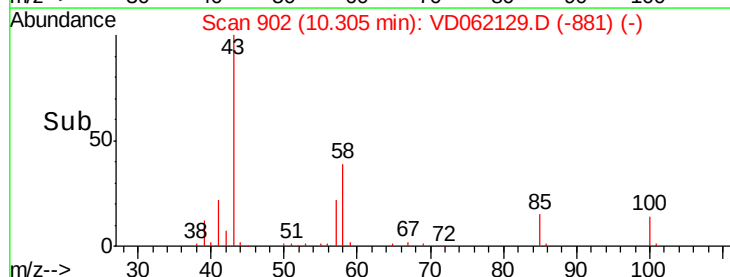
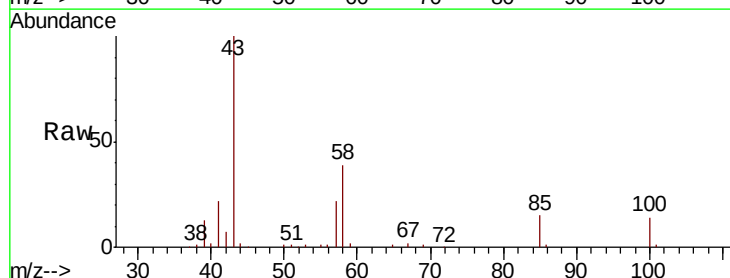
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

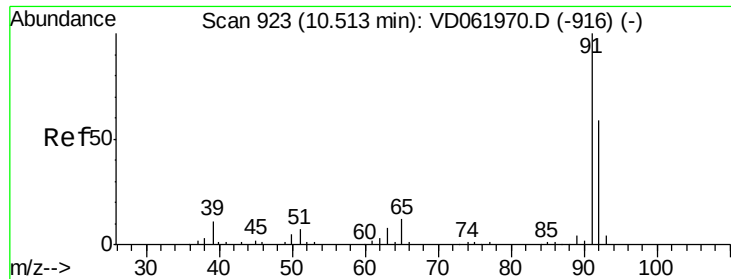
Tot Ion: 98 Resp: 540176
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.8



#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





#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 :

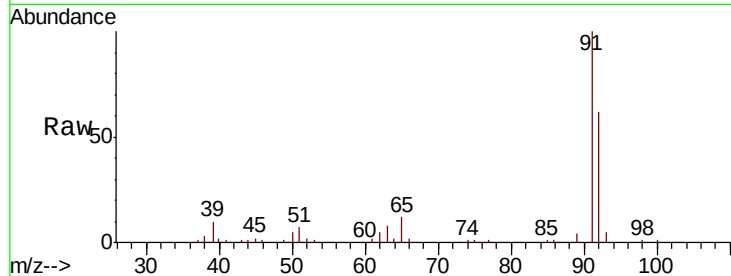
VD0506SBS01

Tot Ion: 92 Resp: 152015

Ion Ratio Lower Upper

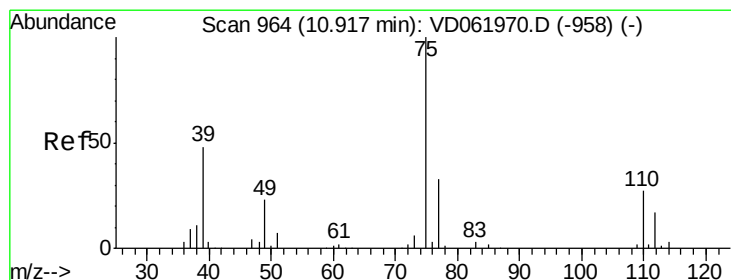
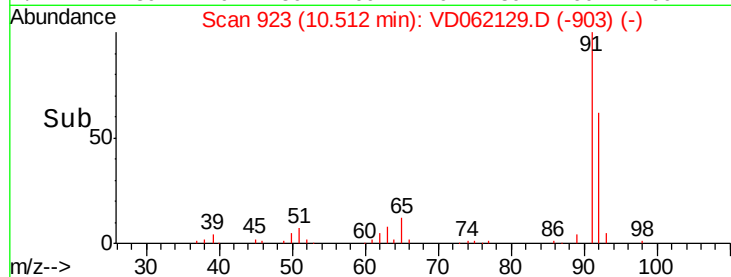
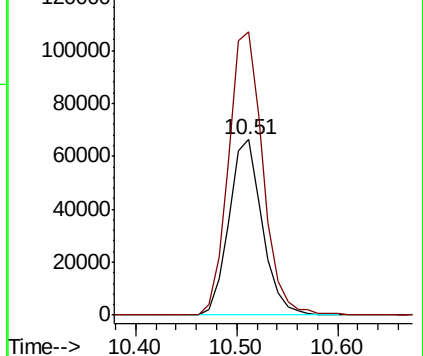
92 100

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

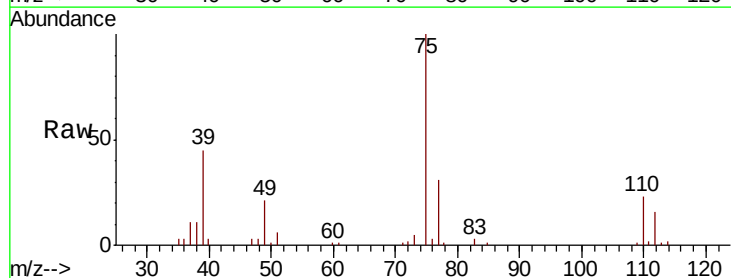
Acq: 6 May 2019 14:28

Tgt Ion: 75 Resp: 115350

Ion Ratio Lower Upper

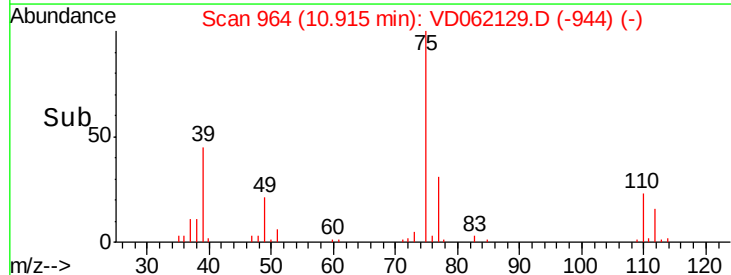
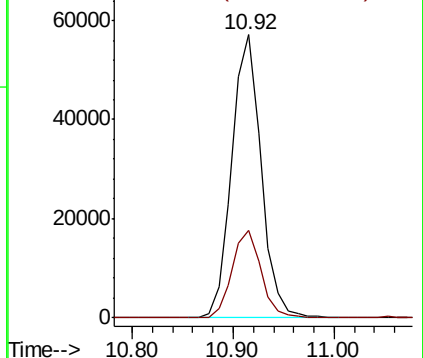
75 100

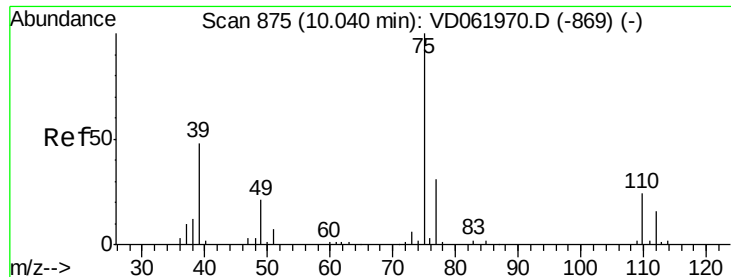
77 30.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

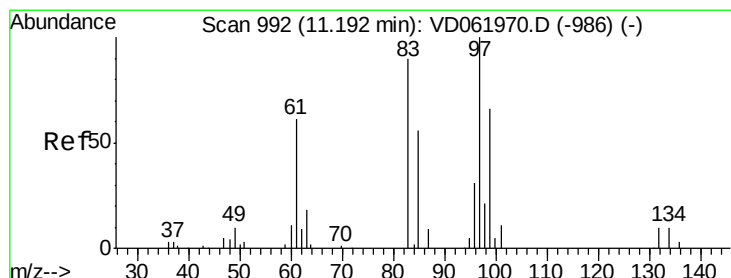
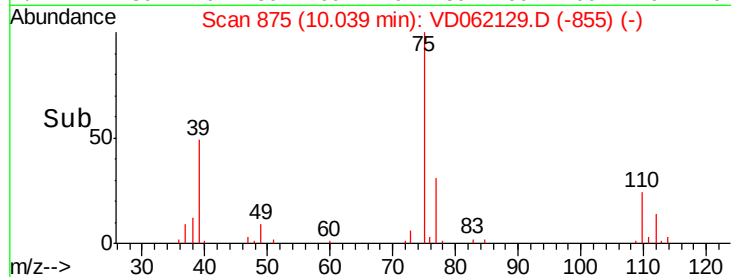
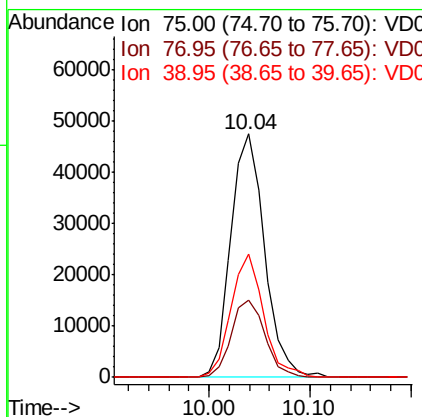
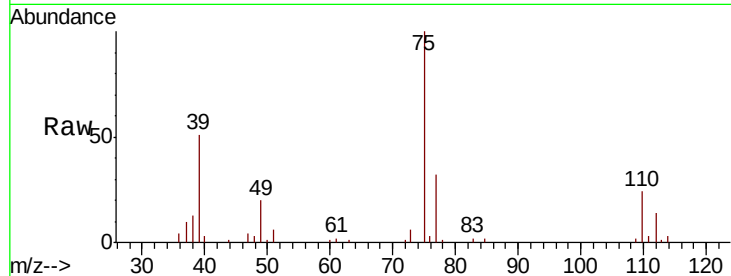




#54
 cis-1,3-Dichloropropene
 Concen: 20.446 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

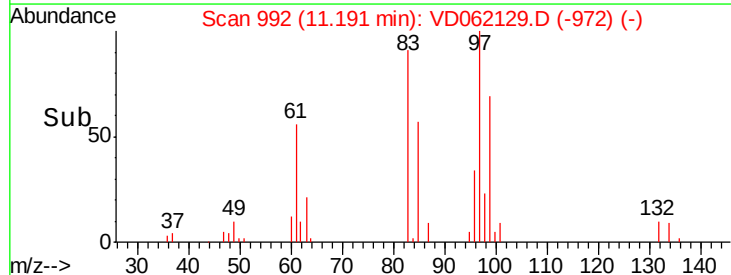
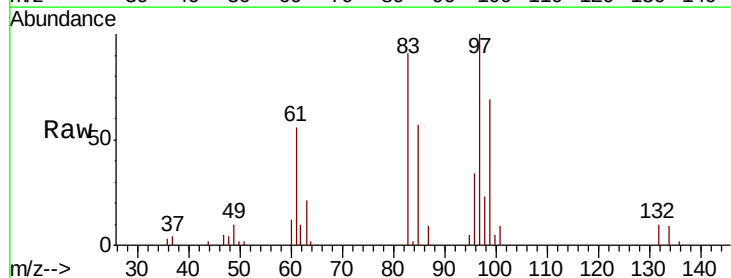
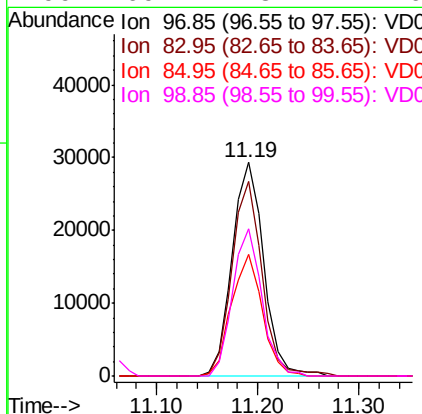
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

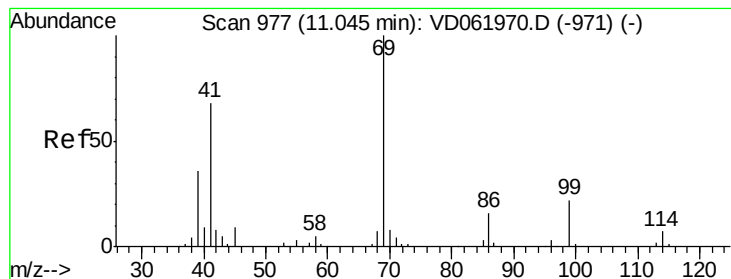
Tot Ion: 75 Resp: 110347
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3
 39 50.8 39.4 59.2



#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

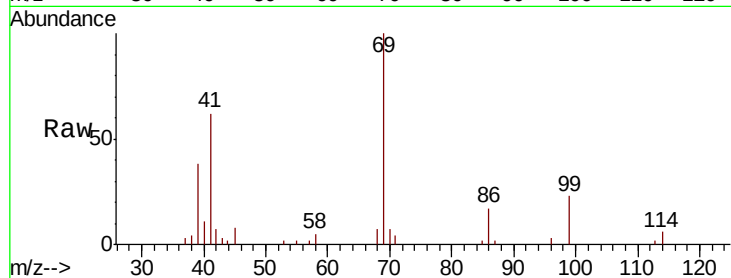
Tot Ion: 69 Resp: 66071

Ion Ratio Lower Upper

69 100

41 62.4 56.3 84.5

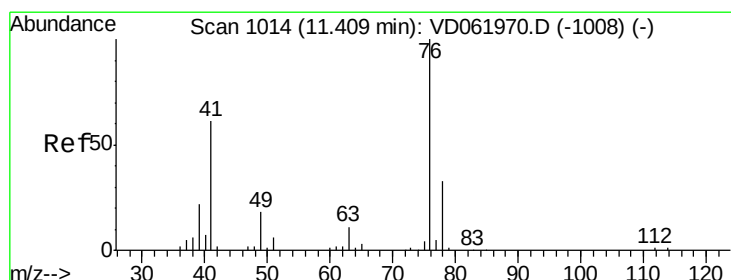
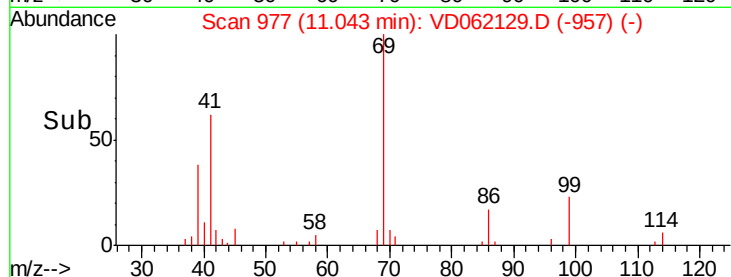
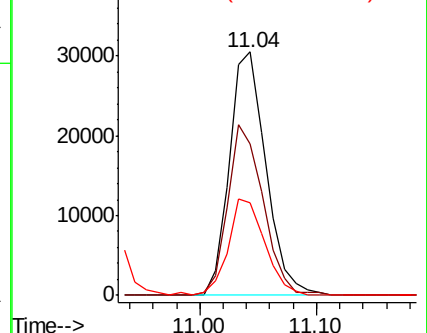
39 37.9 29.4 44.2



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

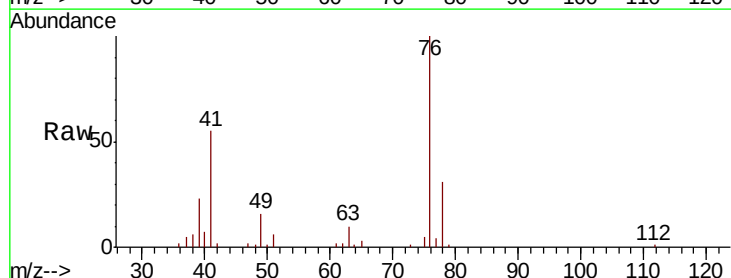
Acq: 6 May 2019 14:28

Tgt Ion: 76 Resp: 91564

Ion Ratio Lower Upper

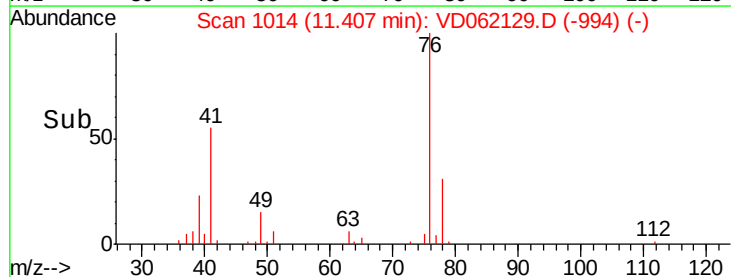
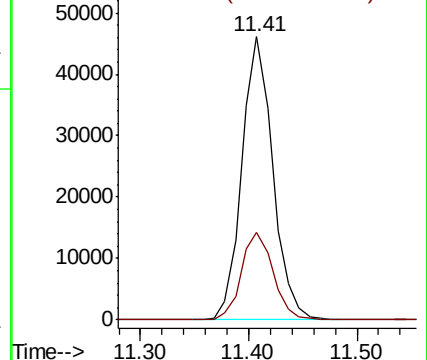
76 100

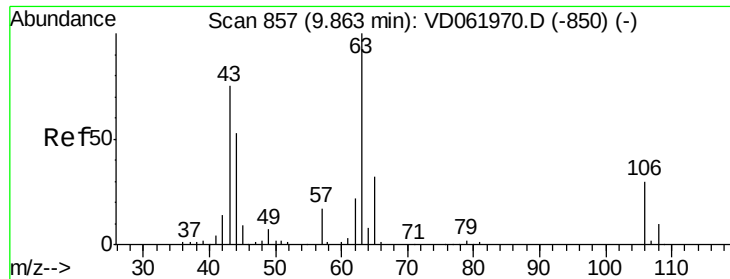
78 30.9 26.2 39.2



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 :

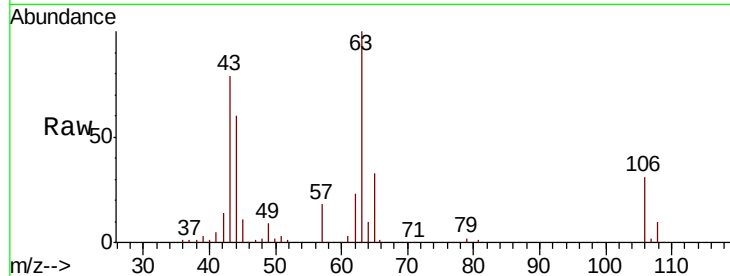
VD0506SBSD01

Tot Ion: 63 Resp: 215578

Ion Ratio Lower Upper

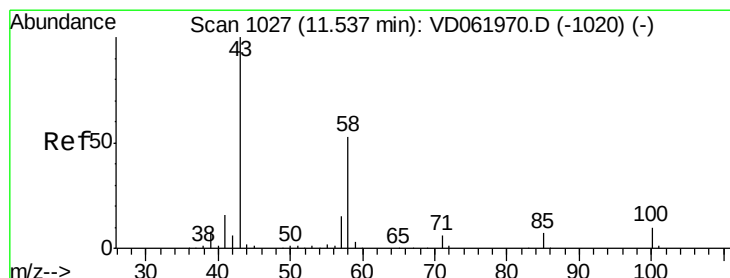
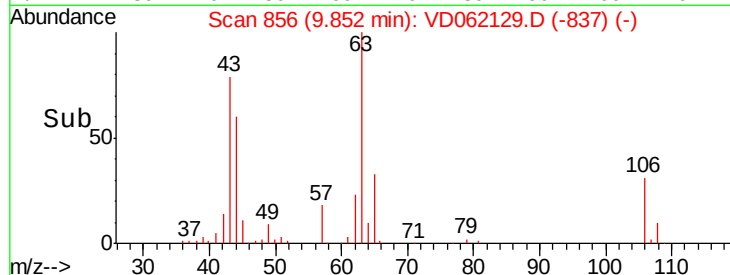
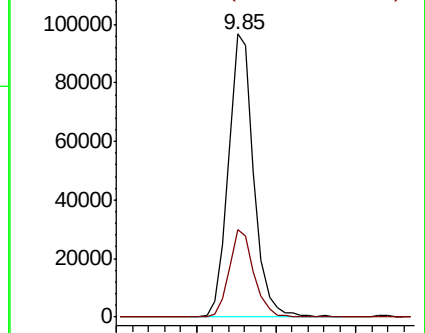
63 100

106 30.8 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



#59

2-Hexanone

Concen: 139.645 ug/l

RT: 11.54 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VD062129.D

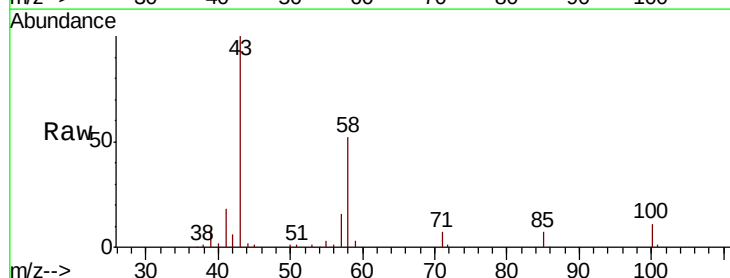
Acq: 6 May 2019 14:28

Tgt Ion: 43 Resp: 197482

Ion Ratio Lower Upper

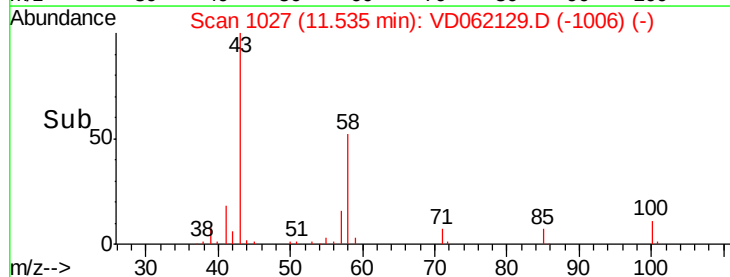
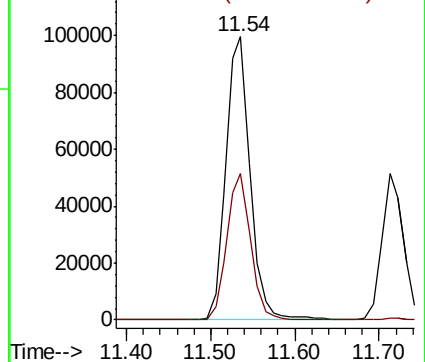
43 100

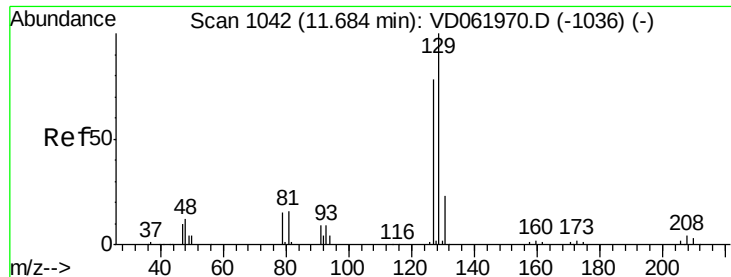
58 51.8 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#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 :

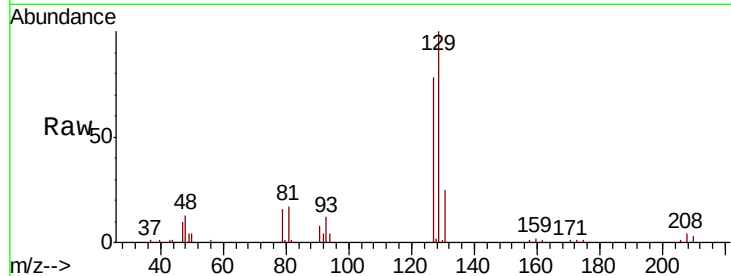
VD0506SBS01

Tot Ion:129 Resp: 106712

Ion Ratio Lower Upper

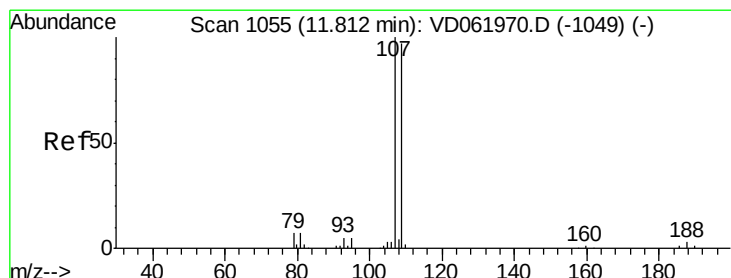
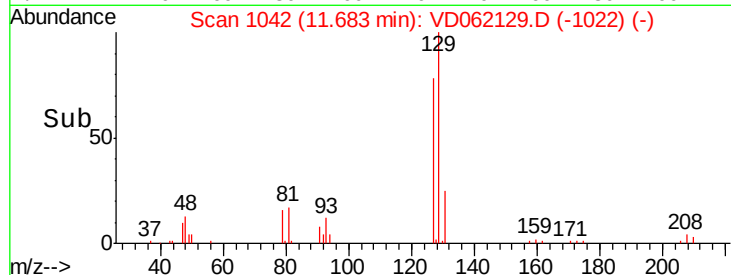
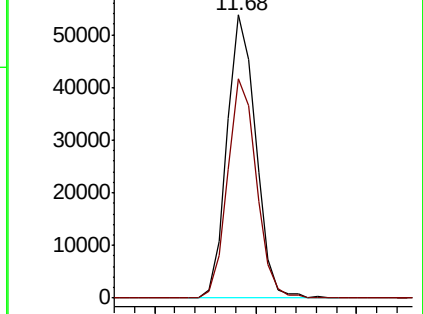
129 100

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

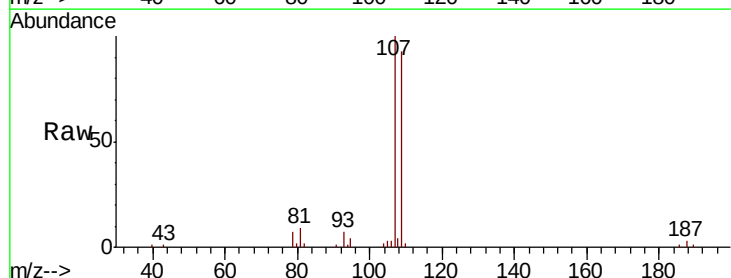
Acq: 6 May 2019 14:28

Tgt Ion:107 Resp: 75677

Ion Ratio Lower Upper

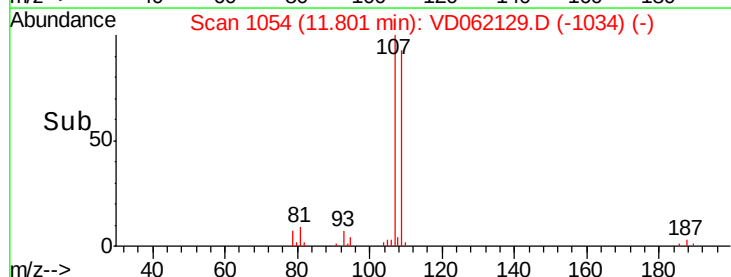
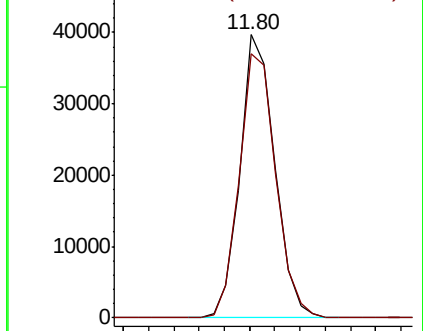
107 100

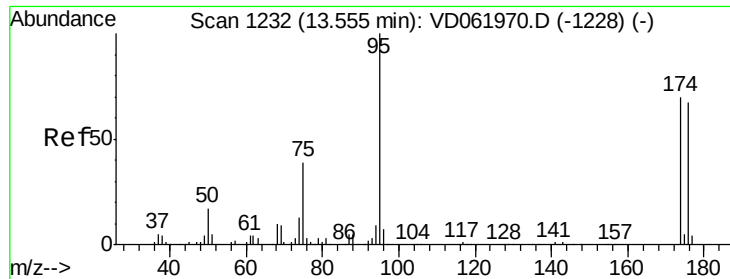
109 93.4 78.3 117.5



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

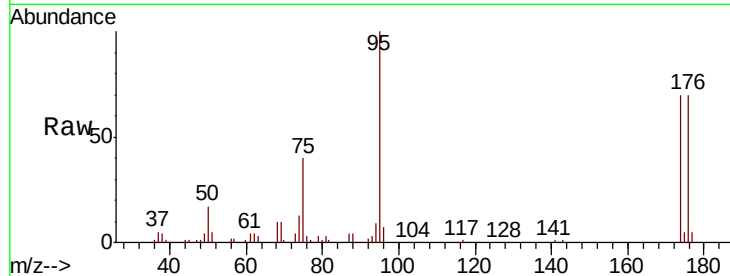
Tot Ion: 95 Resp: 250158

Ion Ratio Lower Upper

95 100

174 69.9 0.0 181.8

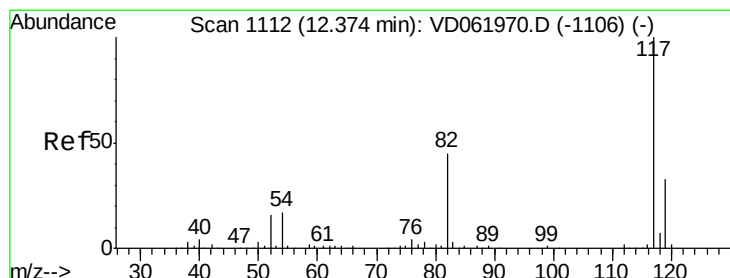
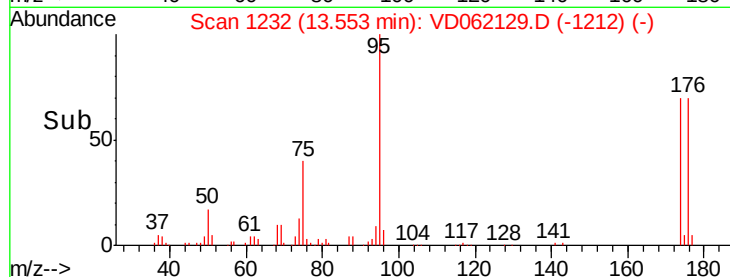
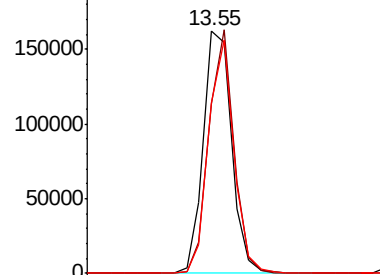
176 70.4 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

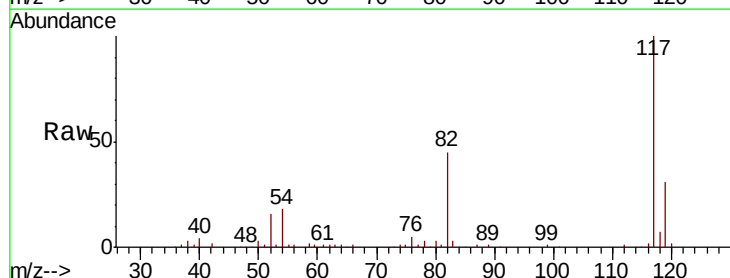
Tgt Ion: 117 Resp: 596084

Ion Ratio Lower Upper

117 100

82 45.3 36.2 54.2

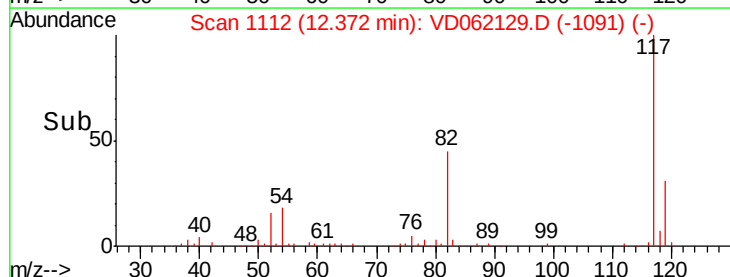
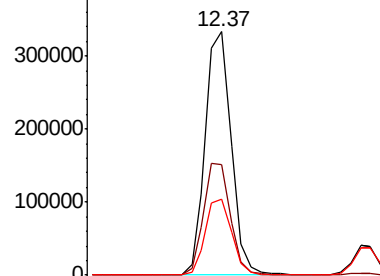
119 31.4 26.2 39.4

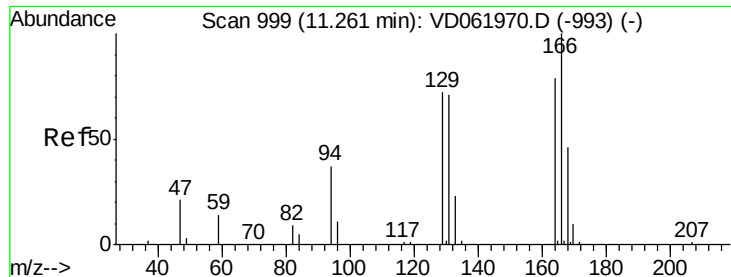


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 17.409 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 :

VD0506SBS01

Tot Ion:164 Resp: 74025

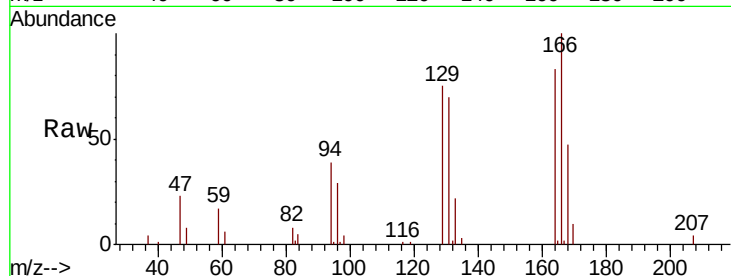
Ion Ratio Lower Upper

164 100

166 121.1 101.5 152.3

129 90.4 74.6 112.0

131 84.4 72.6 108.8

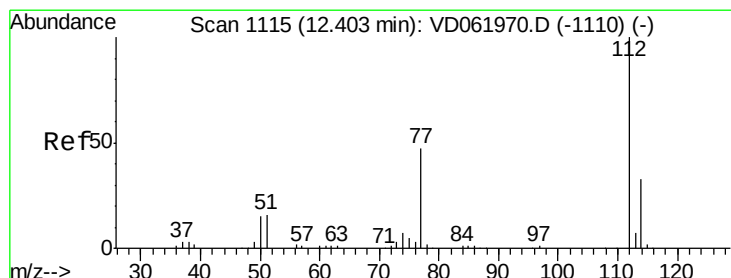
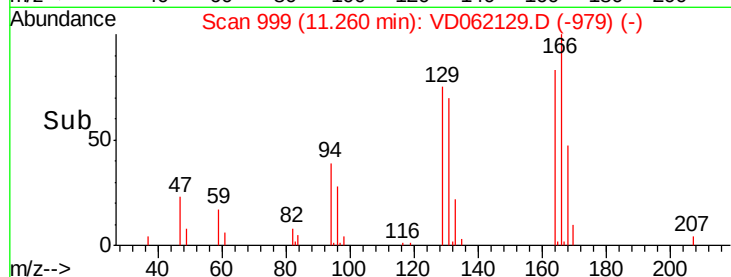
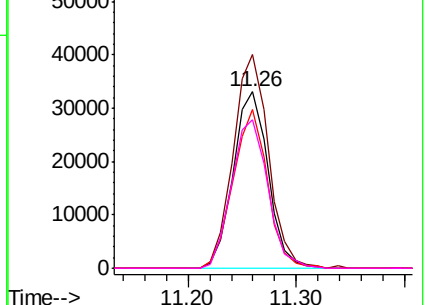


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 20.238 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD062129.D

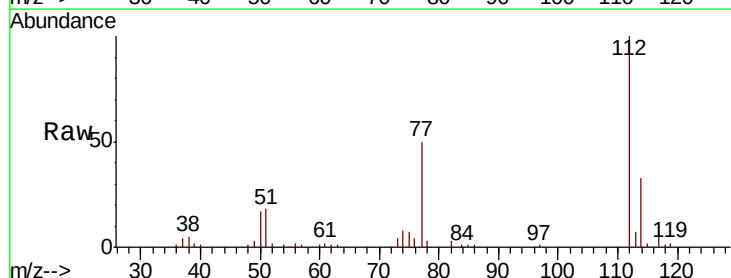
Acq: 6 May 2019 14:28

Tgt Ion:112 Resp: 227954

Ion Ratio Lower Upper

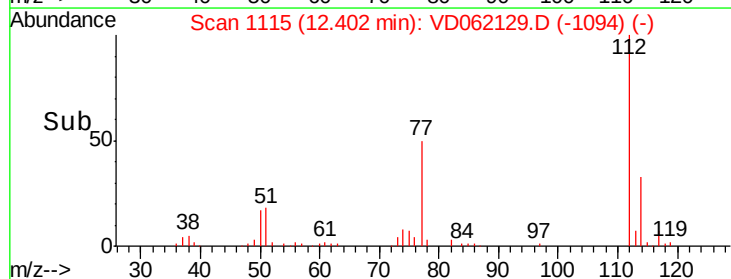
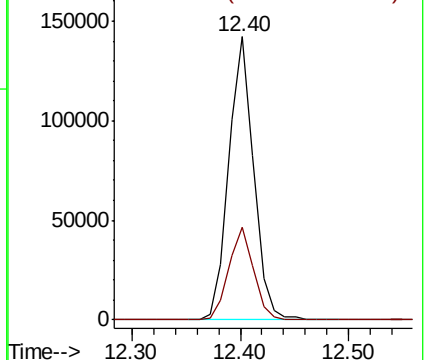
112 100

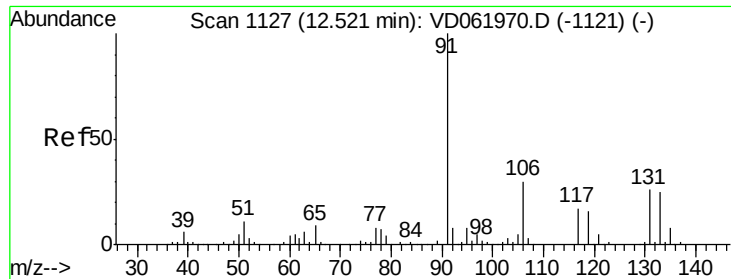
114 32.9 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

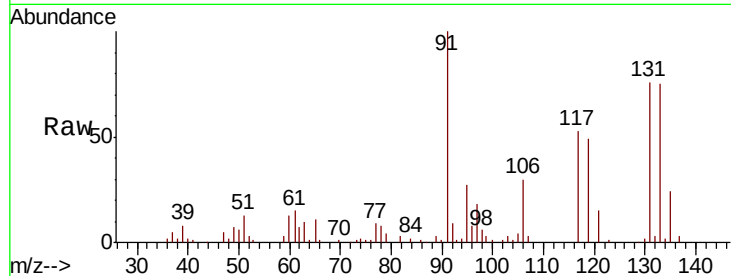




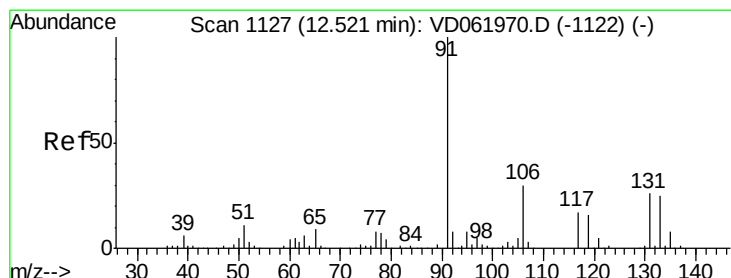
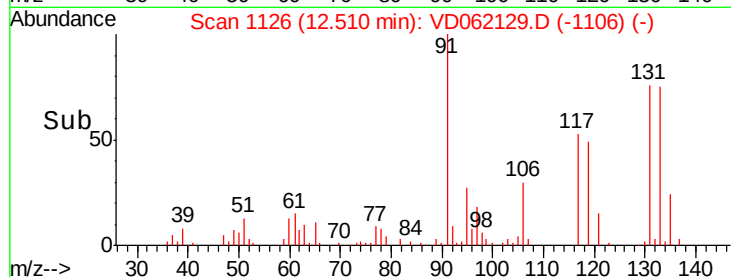
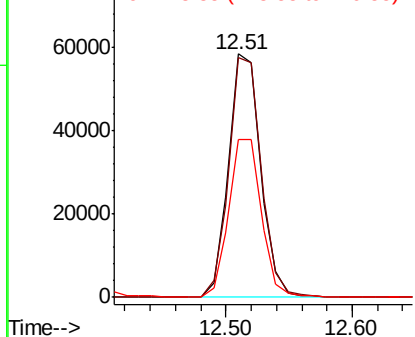
#66
 1,1,1,2-Tetrachloroethane
 Concen: 21.352 ug/l
 RT: 12.51 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

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

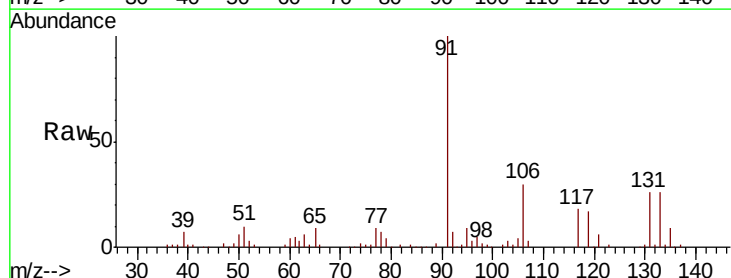


Abundance Ion 130.90 (130.60 to 131.60): V
 Ion 132.90 (132.60 to 133.60): V
 Ion 118.85 (118.55 to 119.55): V

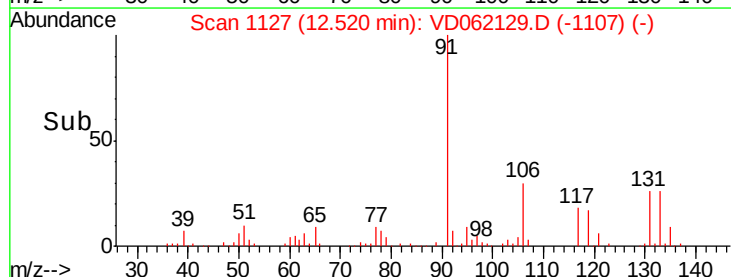
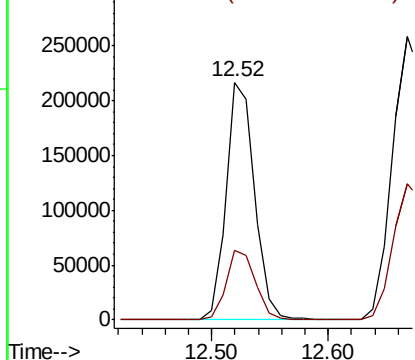


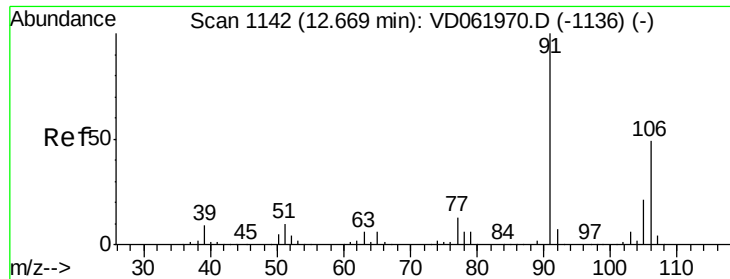
#67
 Ethyl Benzene
 Concen: 19.833 ug/l
 RT: 12.52 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

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): VDC
 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 :

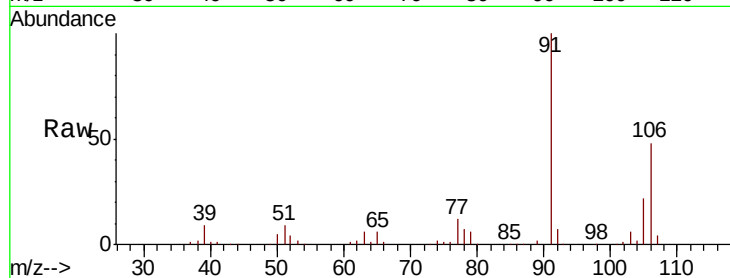
VD0506SBS01

Tot Ion:106 Resp: 252859

Ion Ratio Lower Upper

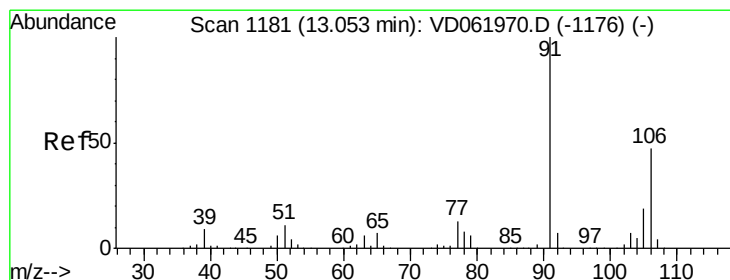
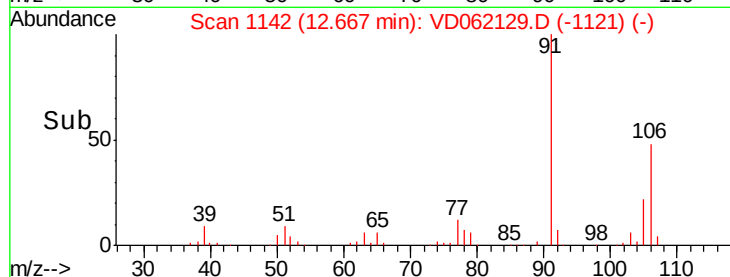
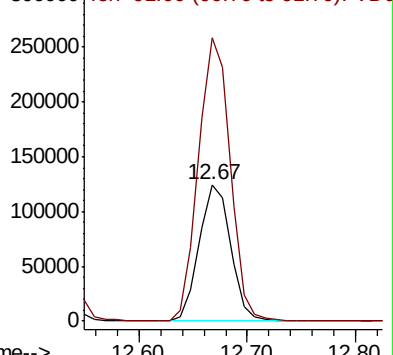
106 100

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

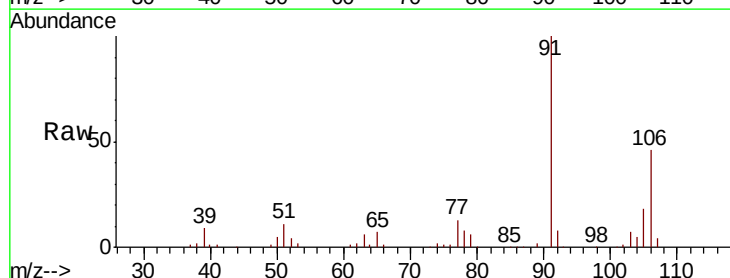
Acq: 6 May 2019 14:28

Tgt Ion:106 Resp: 127331

Ion Ratio Lower Upper

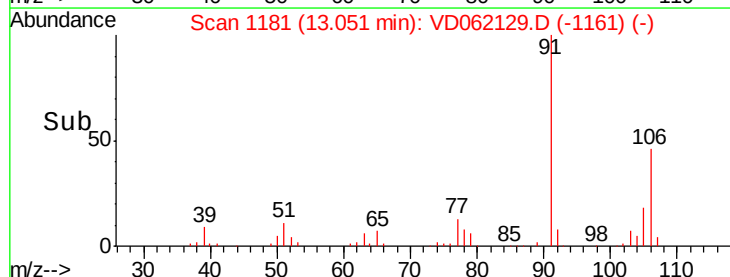
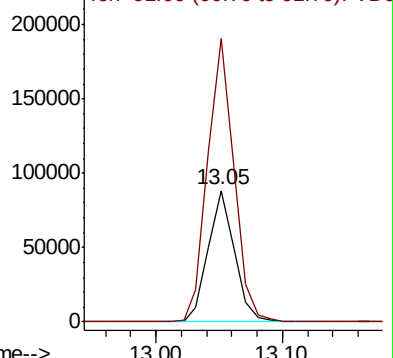
106 100

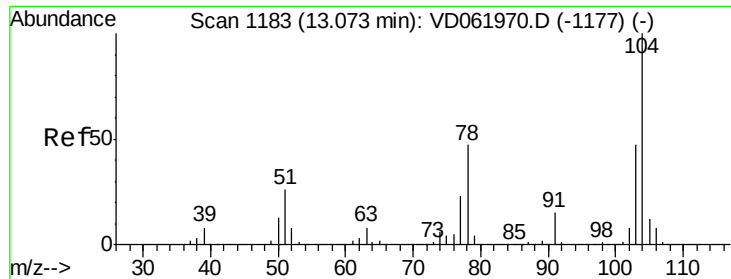
91 215.1 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

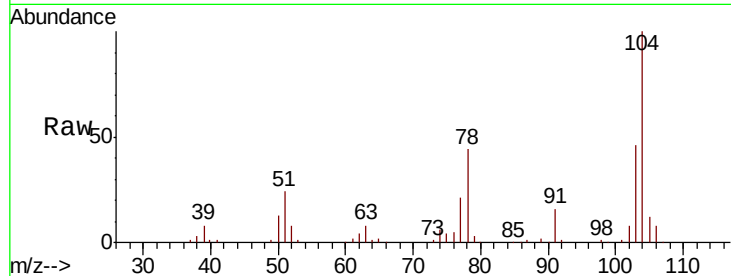




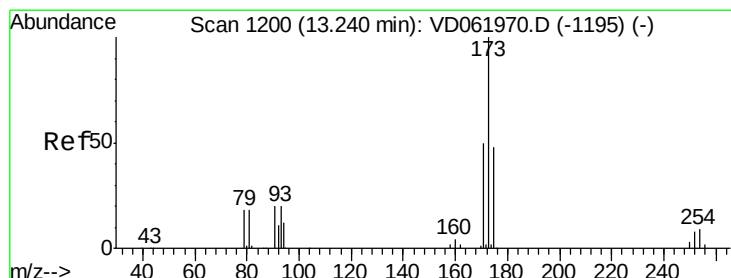
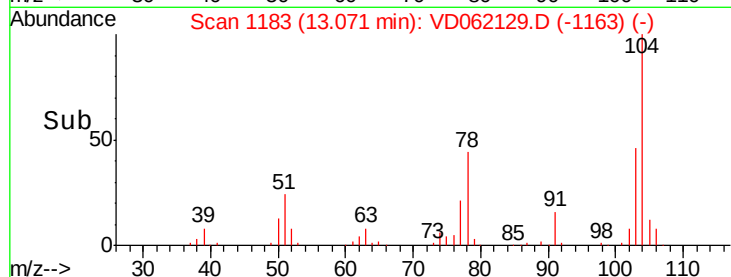
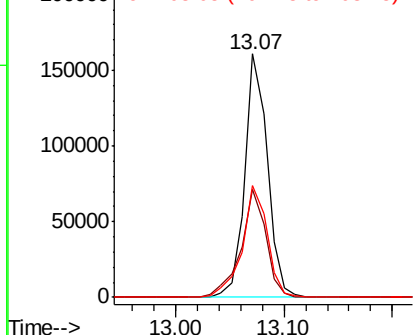
#70
Stvrene
Concen: 22.149 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

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

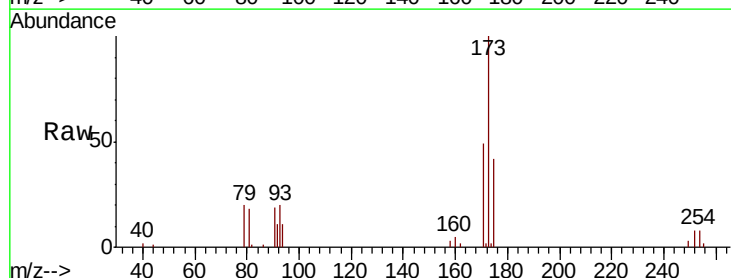


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

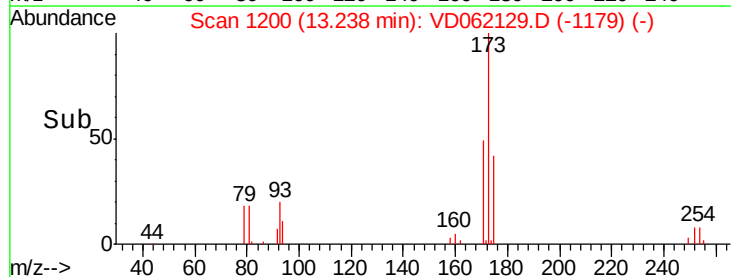
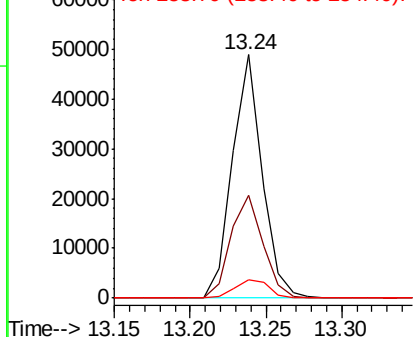


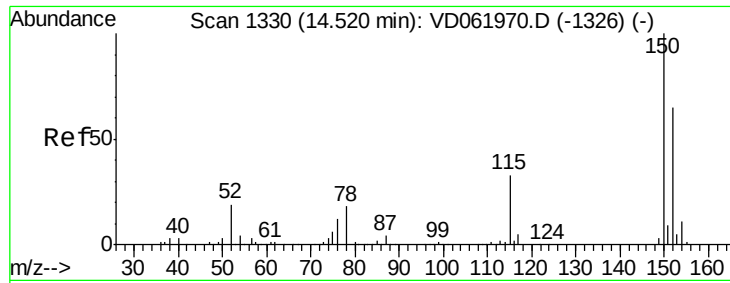
#71
Bromoform
Concen: 24.528 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

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 :

VD0506SBSD01

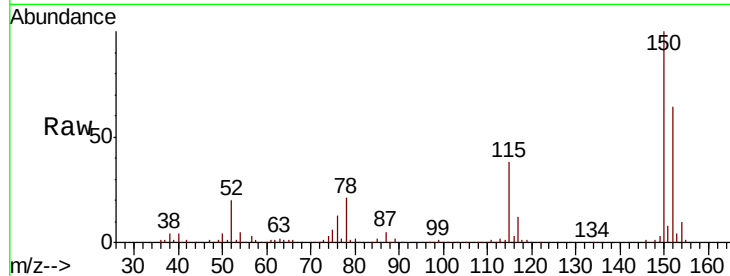
Tot Ion:152 Resp: 300835

Ion Ratio Lower Upper

152 100

115 59.2 30.9 92.7

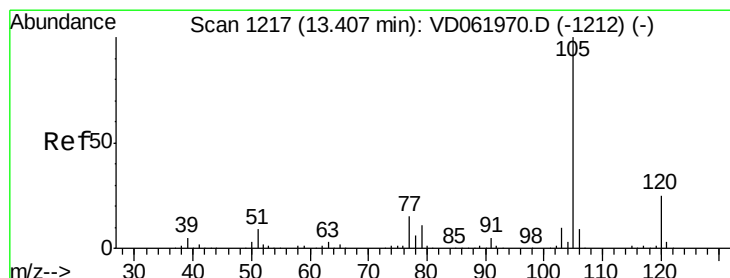
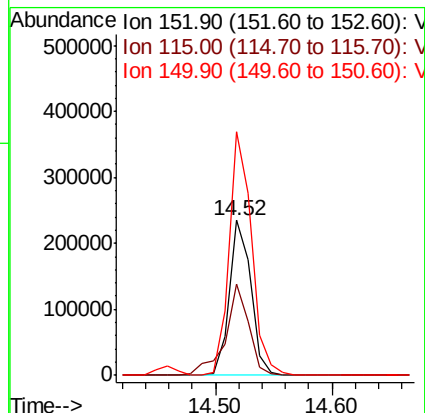
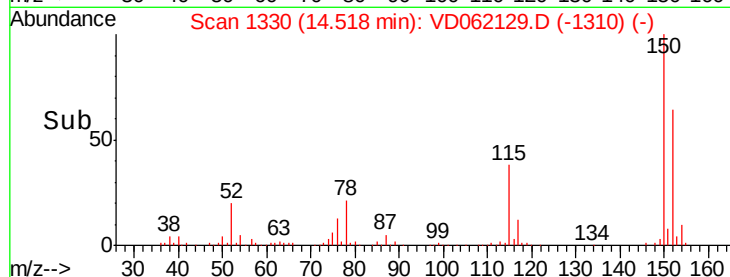
150 157.4 0.0 314.8



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

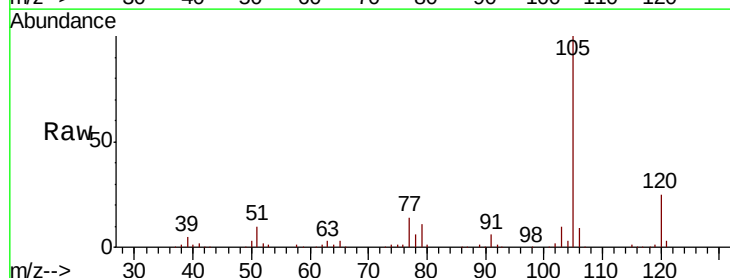
Acq: 6 May 2019 14:28

Tgt Ion:105 Resp: 378349

Ion Ratio Lower Upper

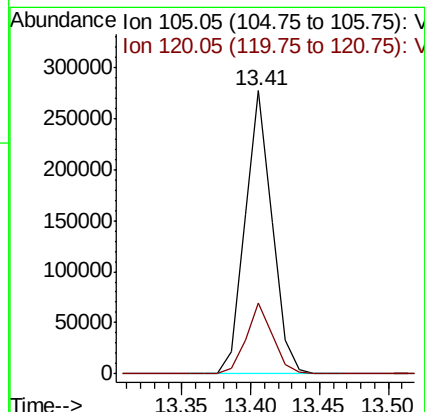
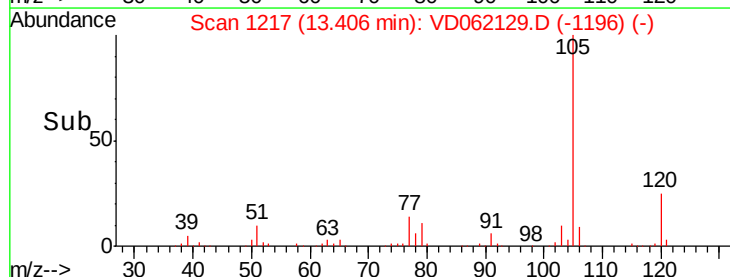
105 100

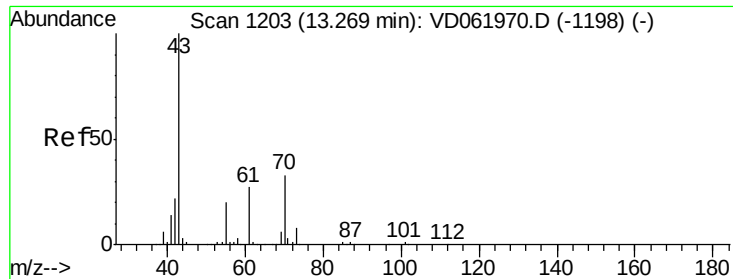
120 25.0 12.0 36.1



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

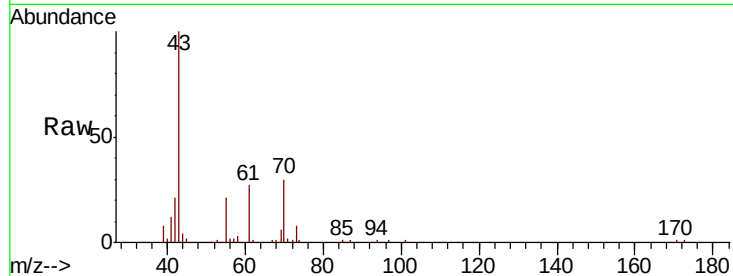
Ion Ratio Lower Upper

43 100

70 30.3 24.2 36.4

55 20.6 16.0 24.0

61 27.1 21.6 32.4



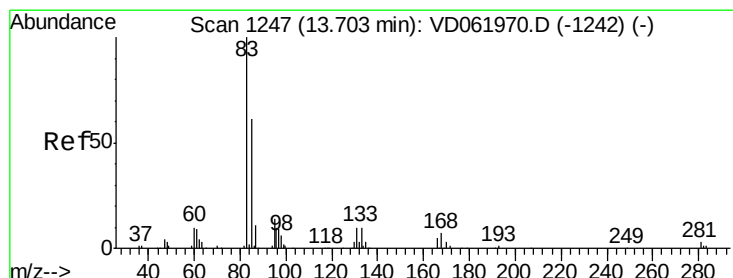
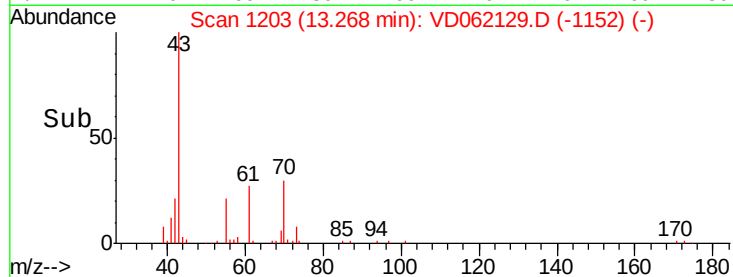
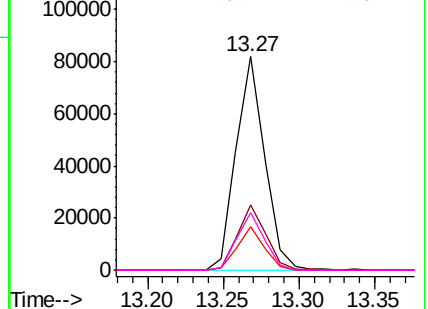
Abundance

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

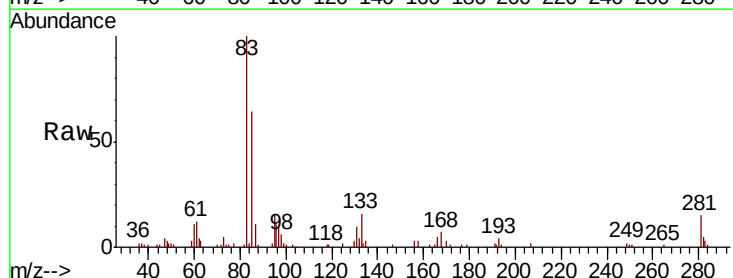
Tgt Ion: 83 Resp: 85577

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

85 64.1 32.6 97.7

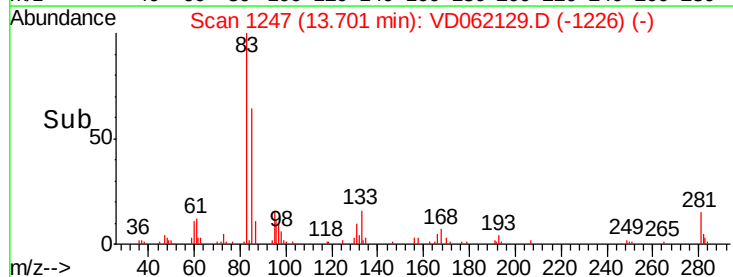
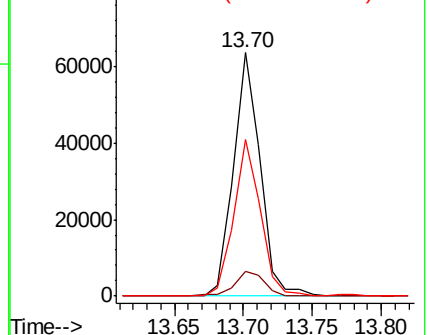


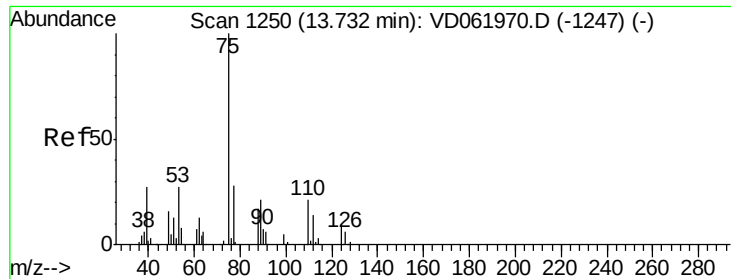
Abundance

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 :

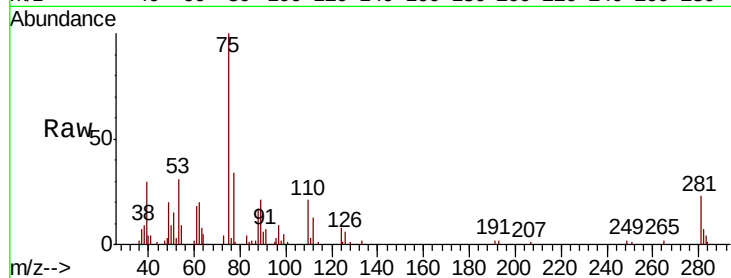
VD0506SBSD01

Tot Ion: 75 Resp: 83180

Ion Ratio Lower Upper

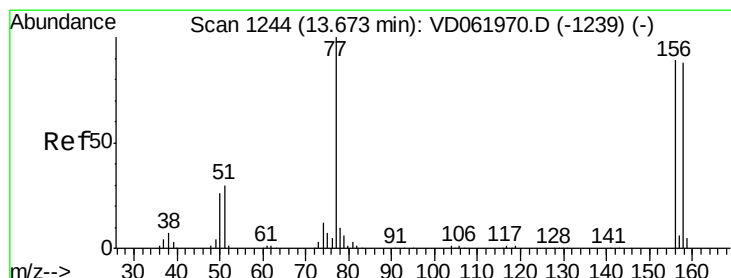
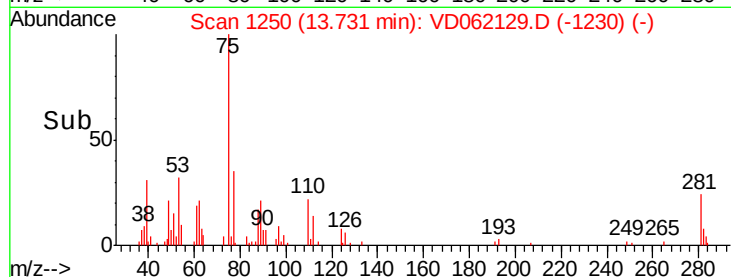
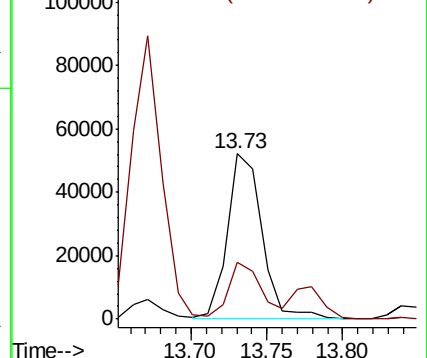
75 100

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

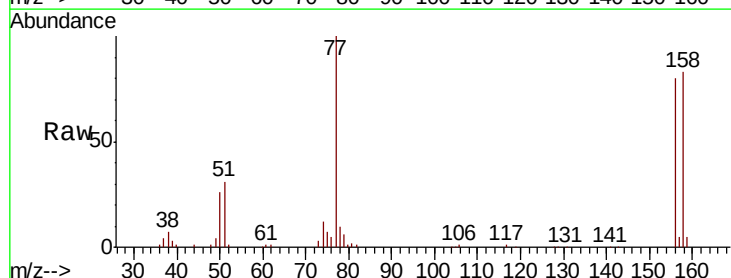
Tgt Ion: 156 Resp: 102946

Ion Ratio Lower Upper

156 100

77 124.4 53.1 159.4

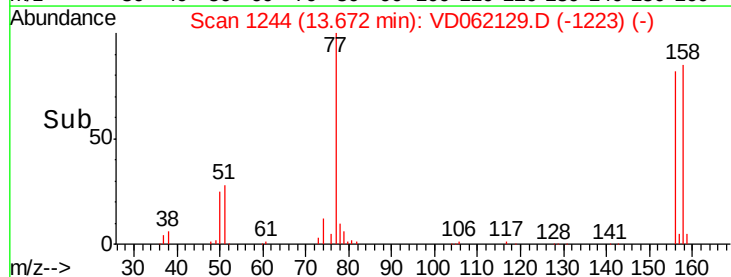
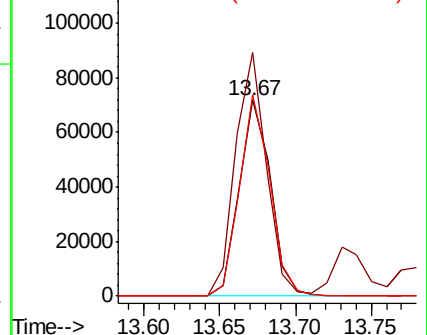
158 103.1 49.4 148.0

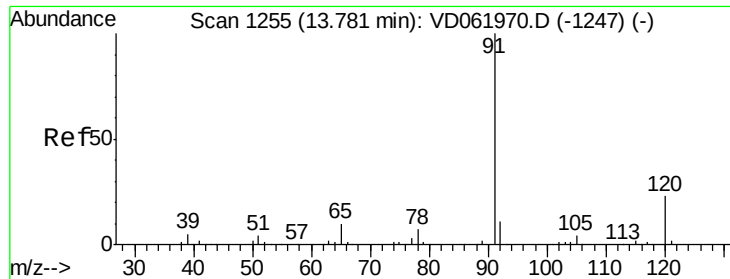


Abundance Ion 155.90 (155.60 to 156.60): V

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 :

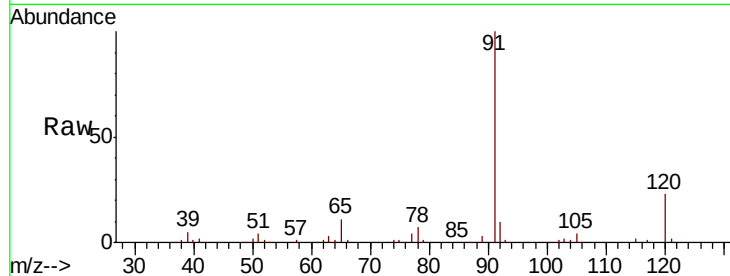
VD0506SBSD01

Tot Ion: 91 Resp: 408243

Ion Ratio Lower Upper

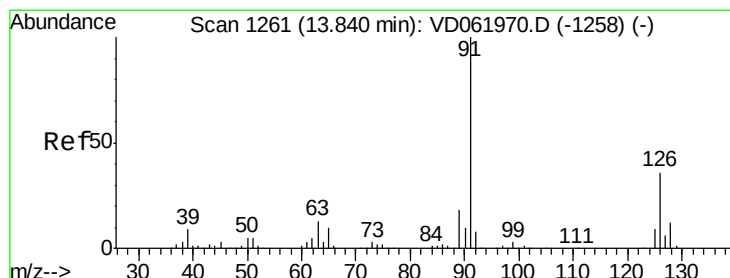
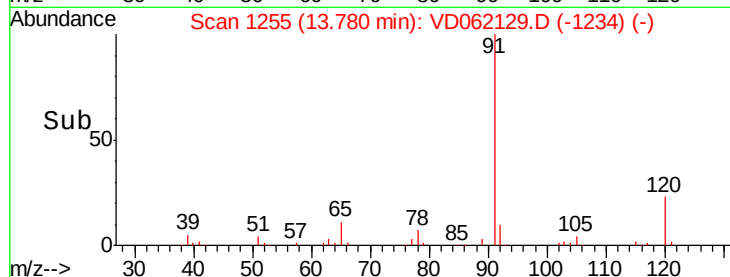
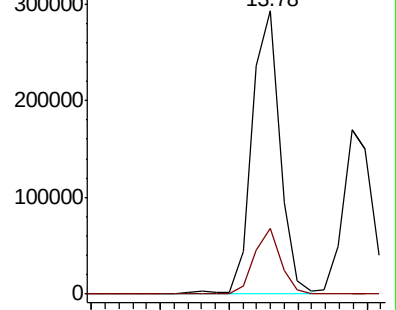
91 100

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

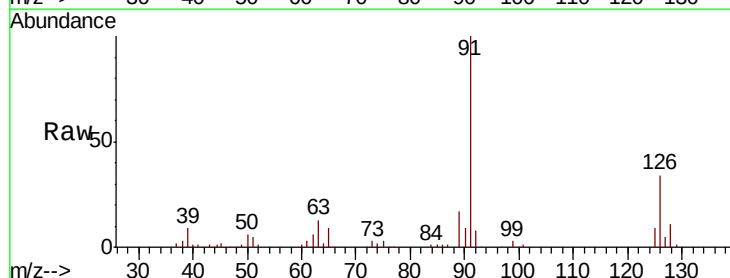
Acq: 6 May 2019 14:28

Tgt Ion: 91 Resp: 248269

Ion Ratio Lower Upper

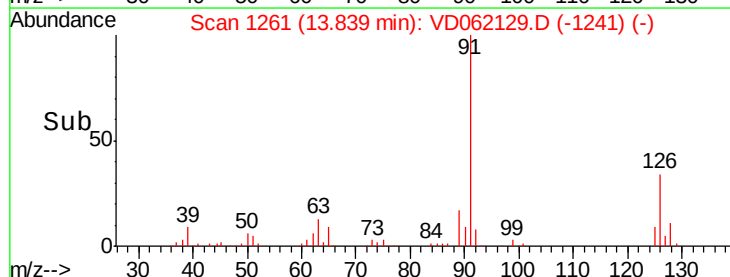
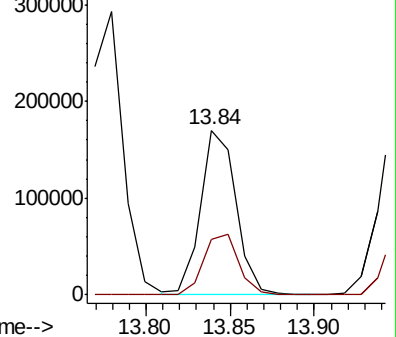
91 100

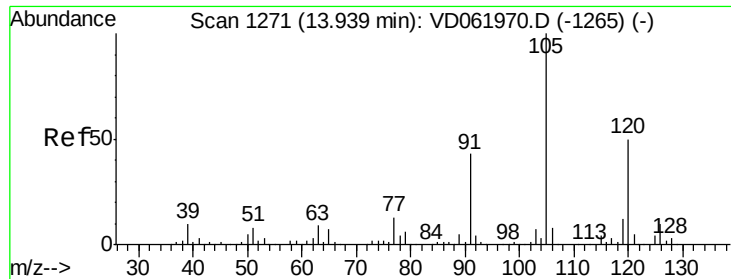
126 33.7 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

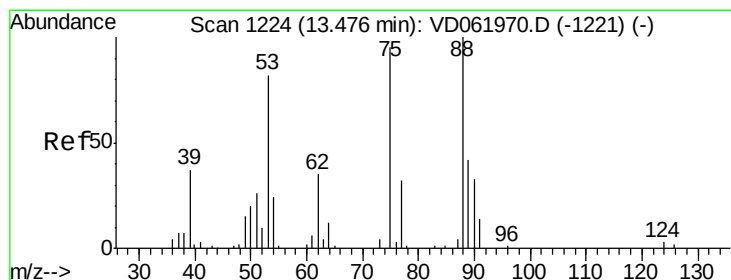
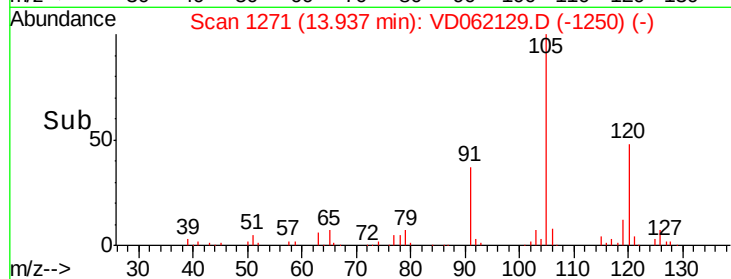
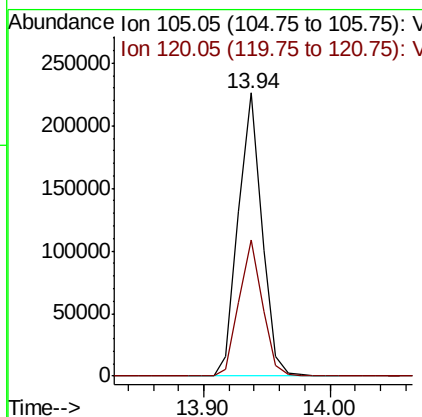
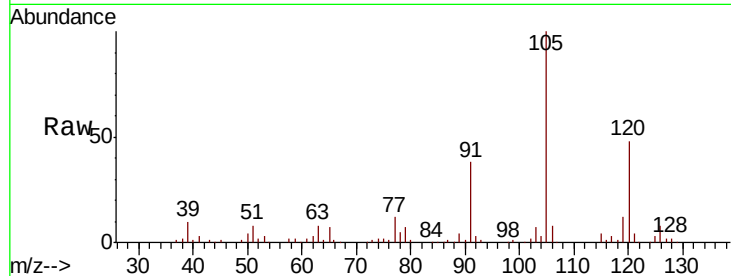




#80
 1,3,5-Trimethylbenzene
 Concen: 18.236 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

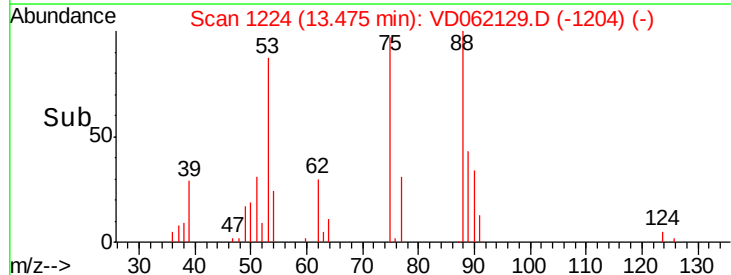
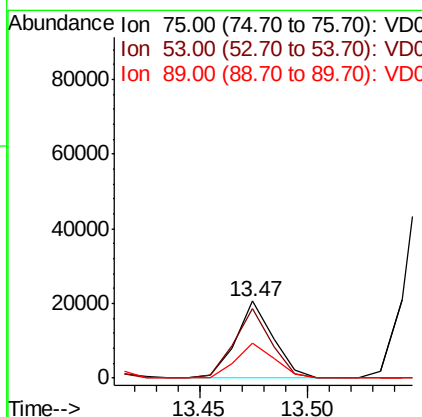
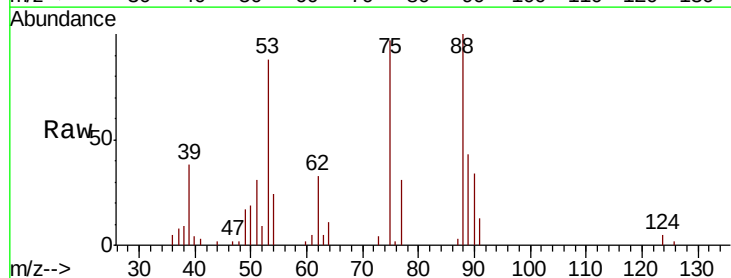
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

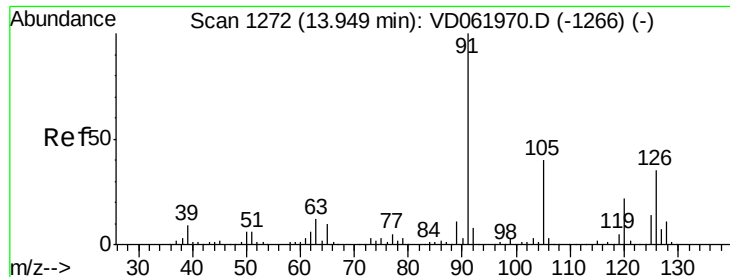
Tot Ion:105 Resp: 291793
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.0 72.0



#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

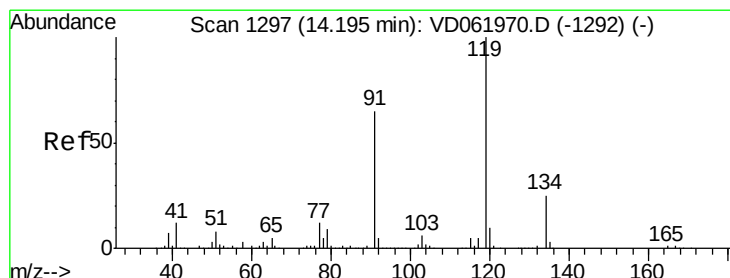
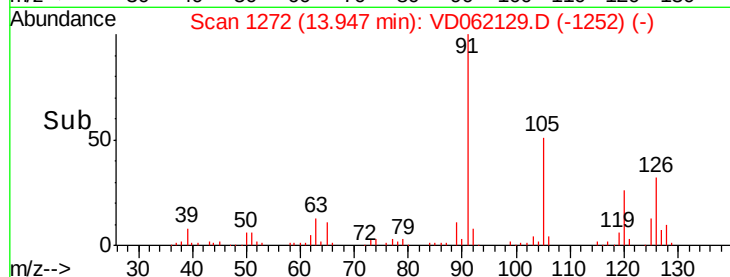
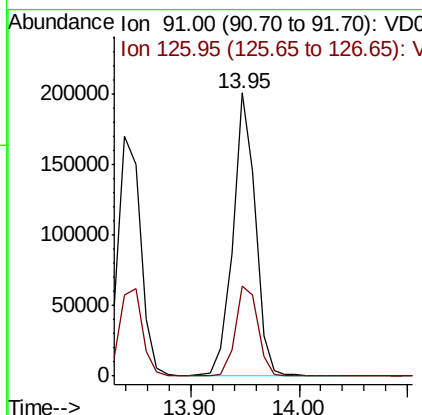
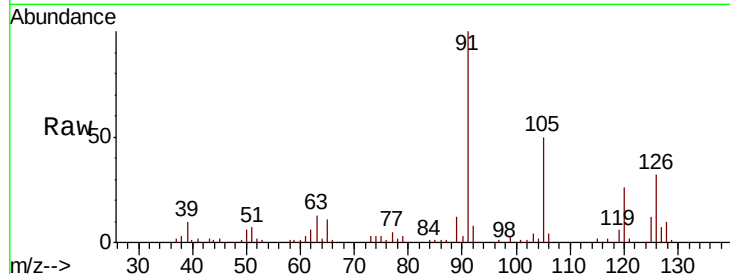




#82
4-Chlorotoluene
Concen: 18.783 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062129.D
Acq: 6 May 2019 14:28

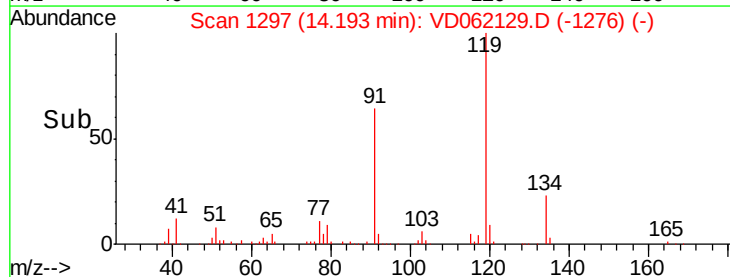
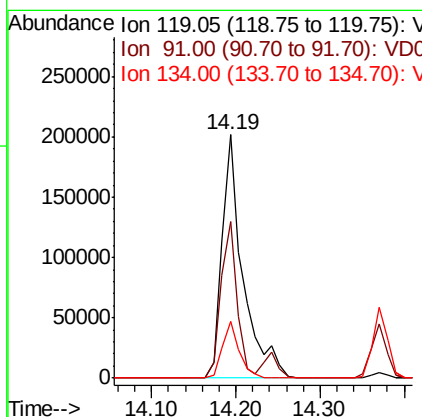
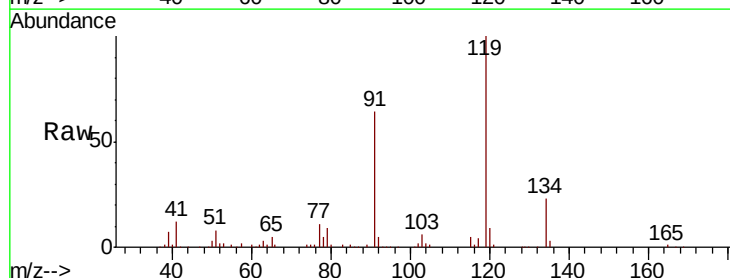
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

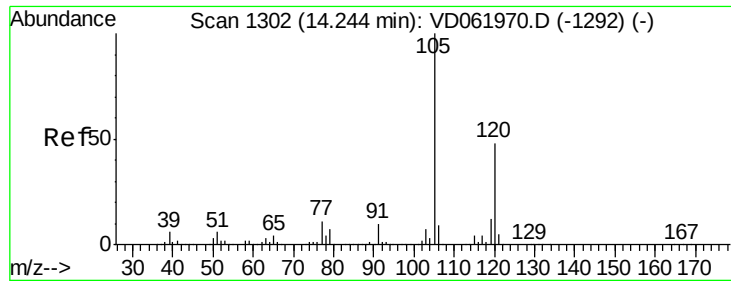
Tot Ion: 91 Resp: 287833
Ion Ratio Lower Upper
91 100
126 31.9 19.1 57.5



#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

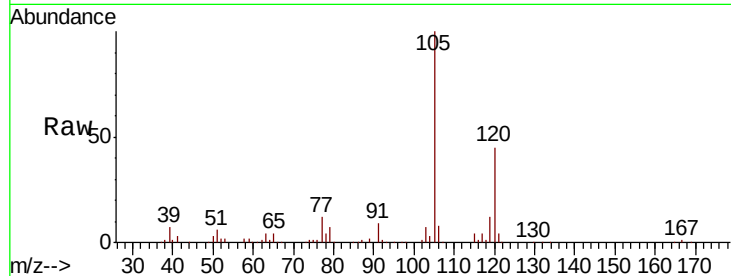




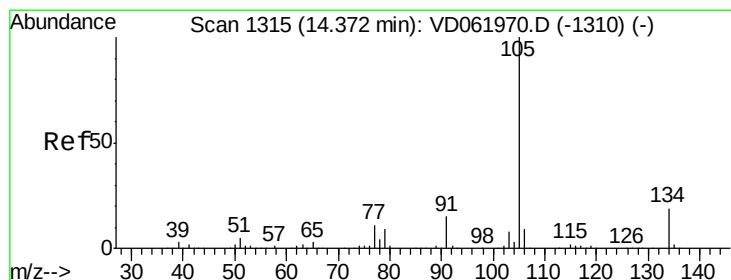
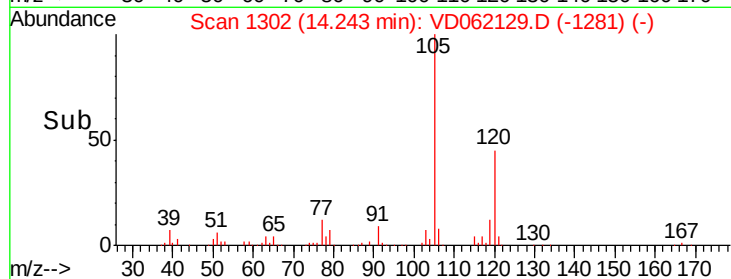
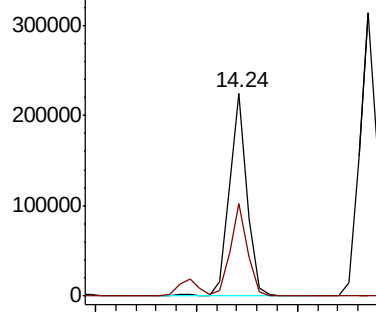
#84
 1,2,4-Trimethylbenzene
 Concen: 18.136 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

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

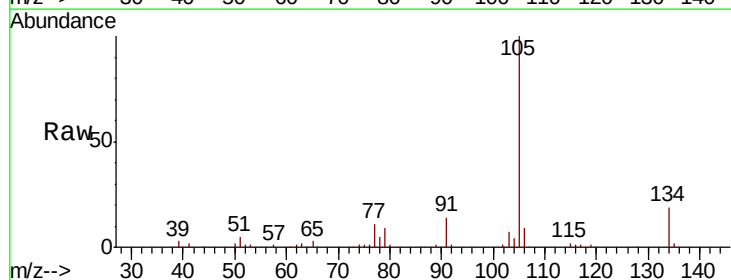


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

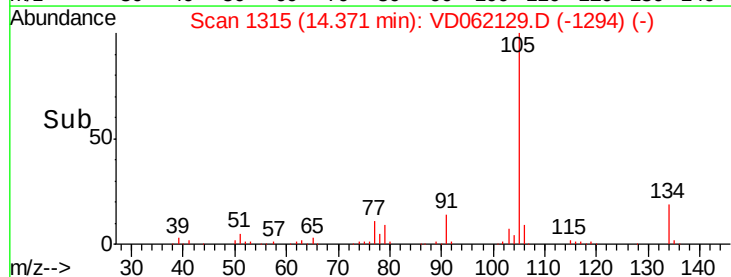
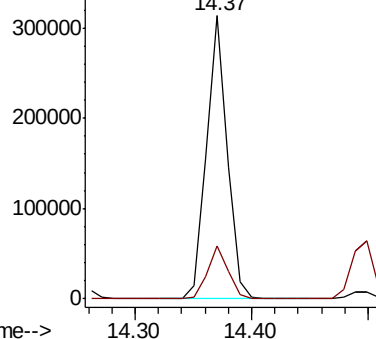


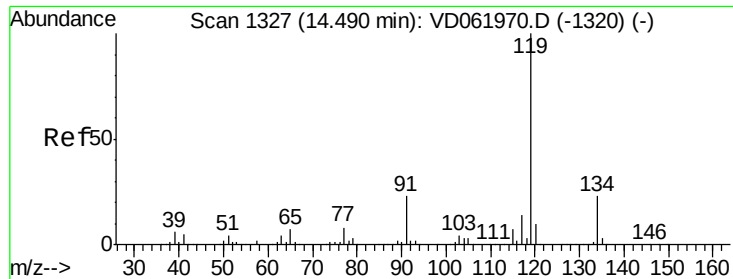
#85
 sec-Butylbenzene
 Concen: 19.270 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

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



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

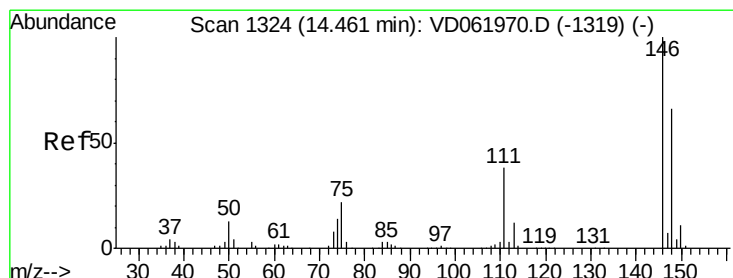
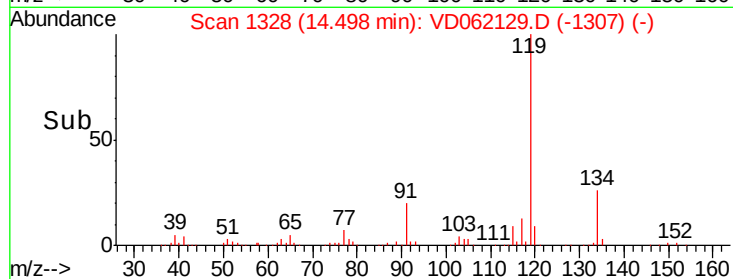
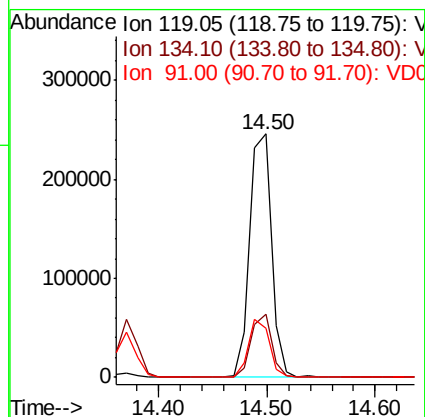
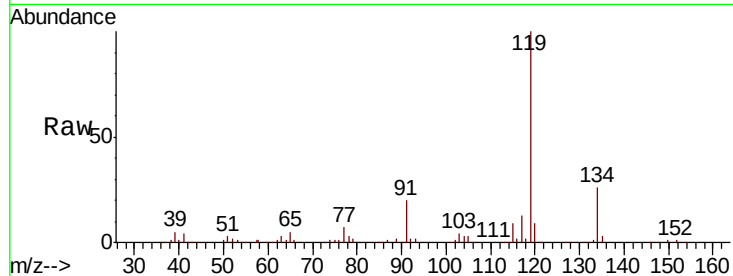




#86
 p-Isopropyltoluene
 Concen: 19.271 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

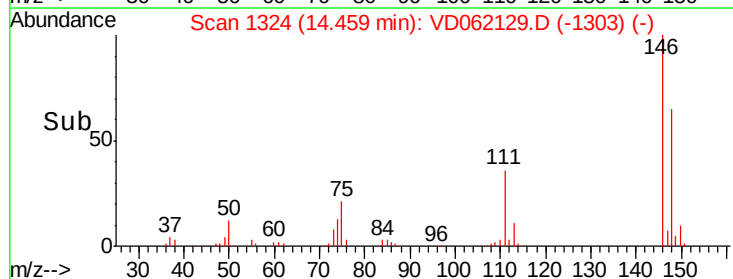
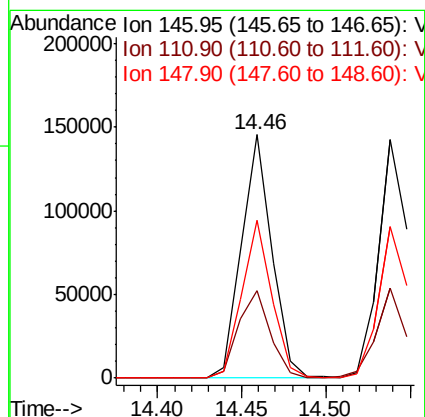
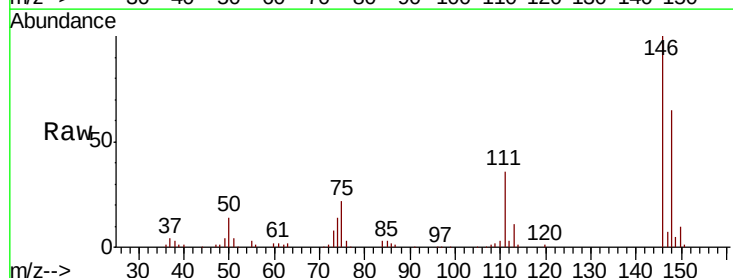
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

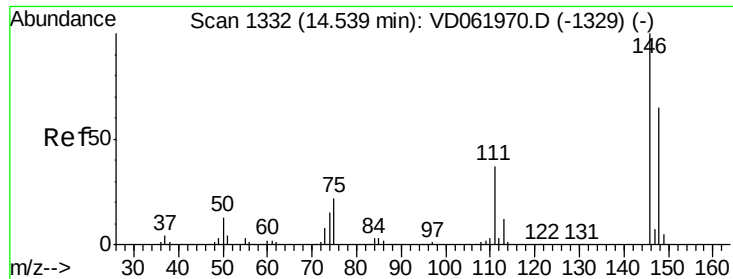
Tot Ion:119 Resp: 345445
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 20.0 10.7 32.1



#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

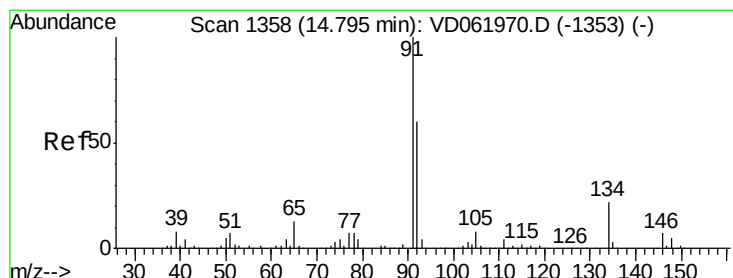
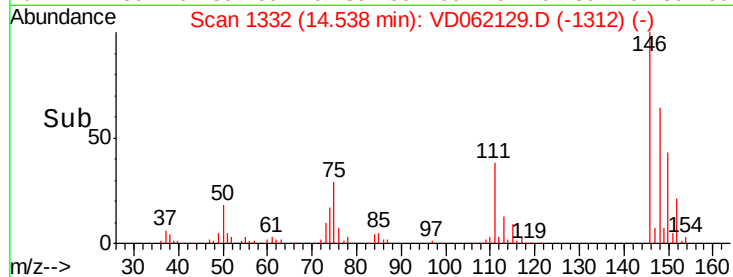
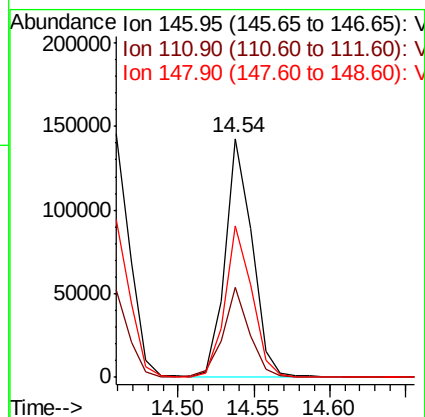
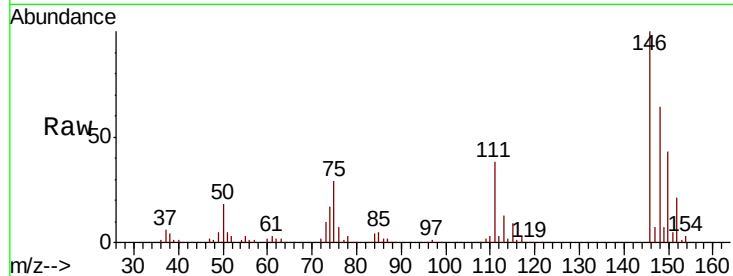




#88
 1,4-Dichlorobenzene
 Concen: 18.837 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062129.D
 Acq: 6 May 2019 14:28

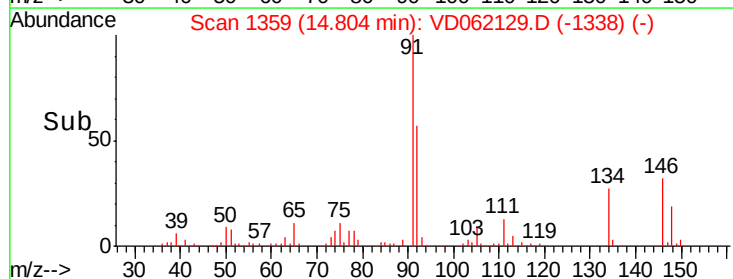
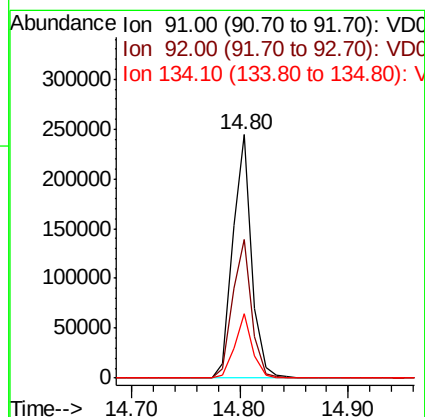
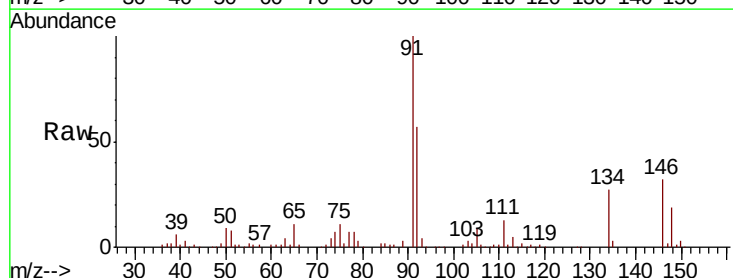
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

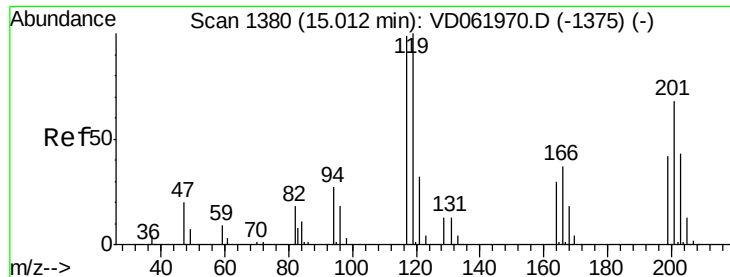
Tot Ion:146 Resp: 177589
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.2 60.5
 148 63.5 32.0 96.2



#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 :

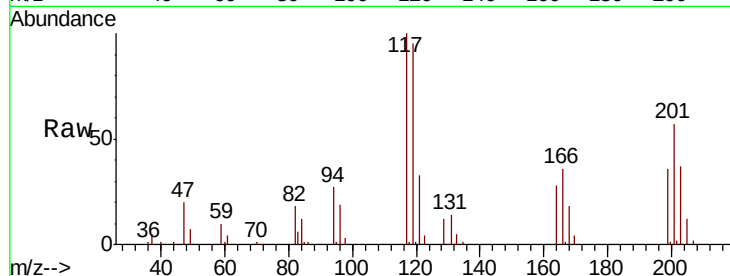
VD0506SBS01

Tot Ion:117 Resp: 92125

Ion Ratio Lower Upper

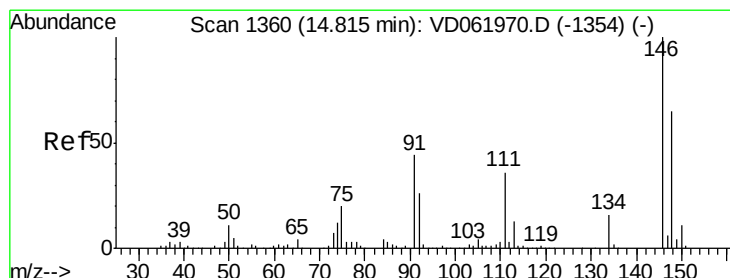
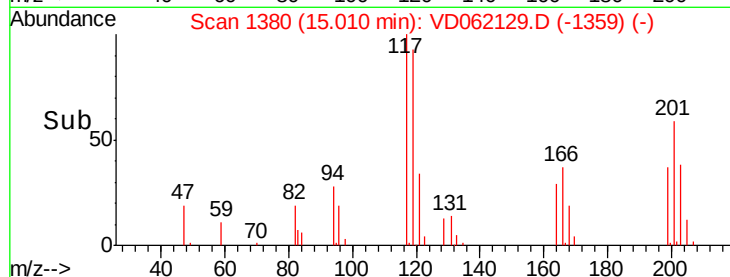
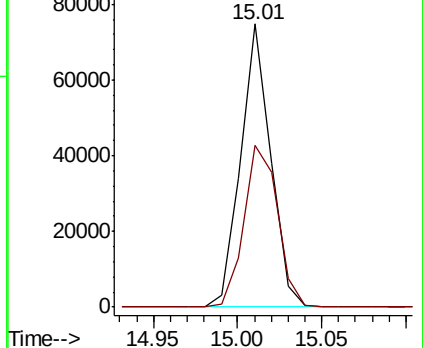
117 100

201 57.3 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 20.484 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062129.D

Acq: 6 May 2019 14:28

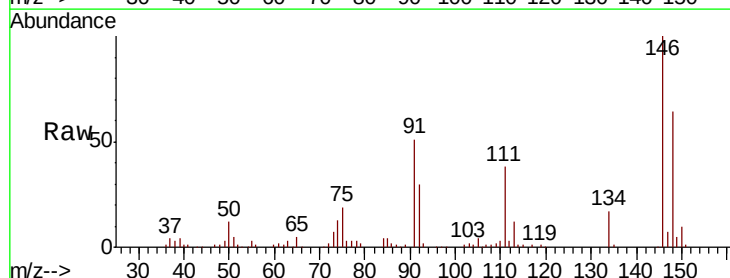
Tgt Ion:146 Resp: 170345

Ion Ratio Lower Upper

146 100

111 38.4 20.0 59.9

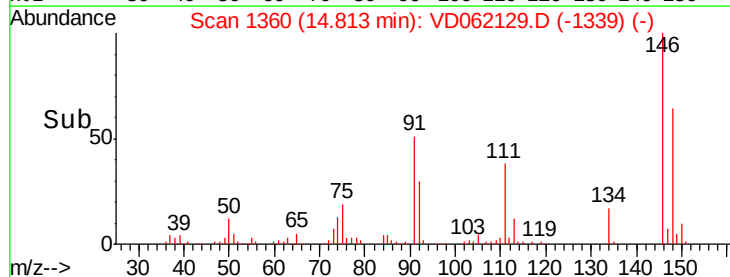
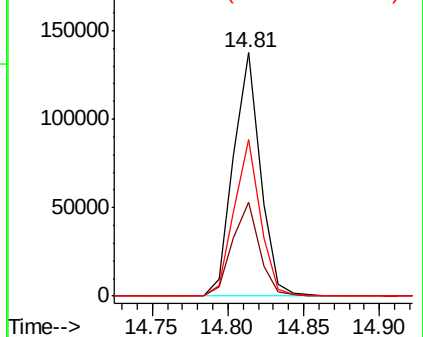
148 64.3 32.3 96.8

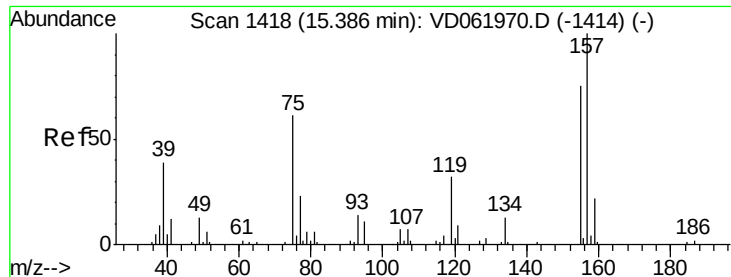


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 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 :

VD0506SBS01

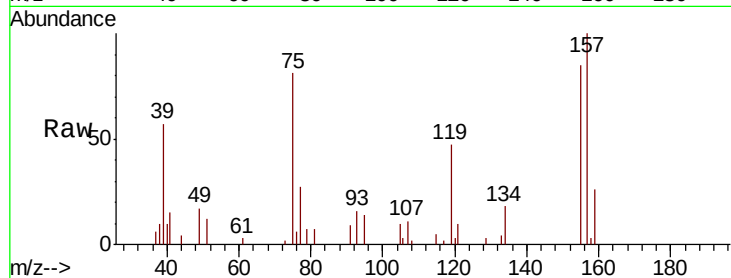
Tot Ion: 75 Resp: 11991

Ion Ratio Lower Upper

75 100

155 105.4 55.3 165.8

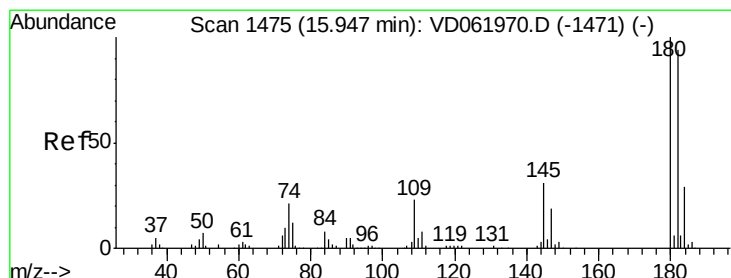
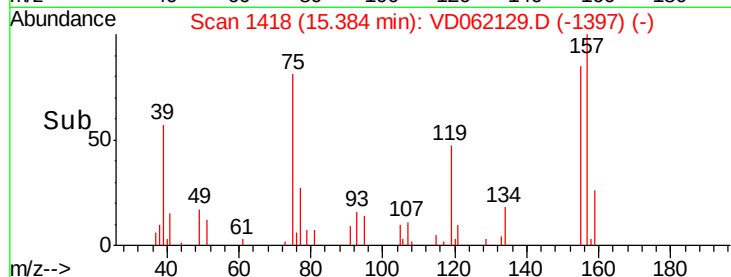
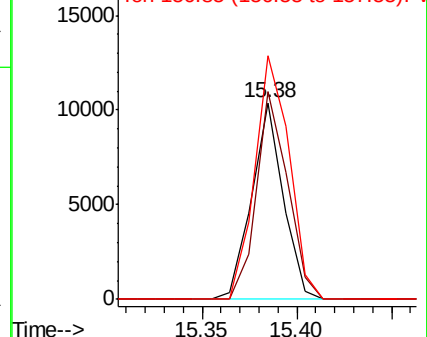
157 123.8 67.8 203.2



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

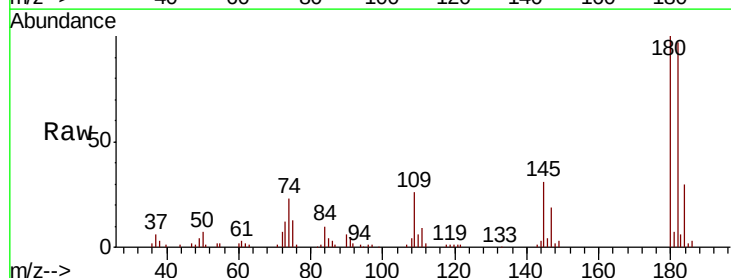
Tgt Ion: 180 Resp: 100278

Ion Ratio Lower Upper

180 100

182 96.6 49.3 147.8

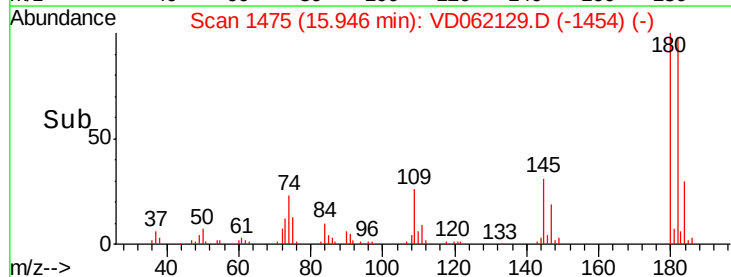
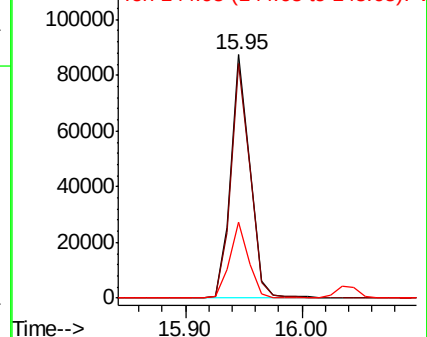
145 31.2 16.2 48.6

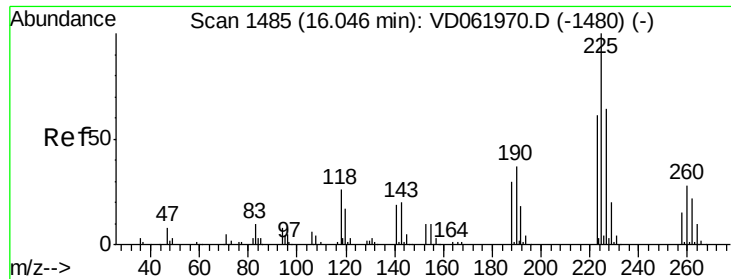


Abundance Ion 179.85 (179.55 to 180.55): V

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

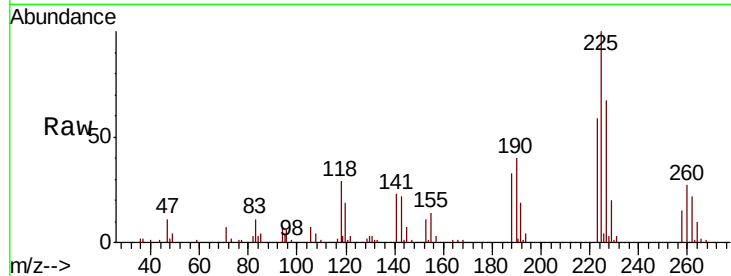
Tot Ion:225 Resp: 70818

Ion	Ratio	Lower	Upper
225	100		
223	59.4	30.6	92.0
227	67.0	32.0	96.2

225 100

223 59.4 30.6 92.0

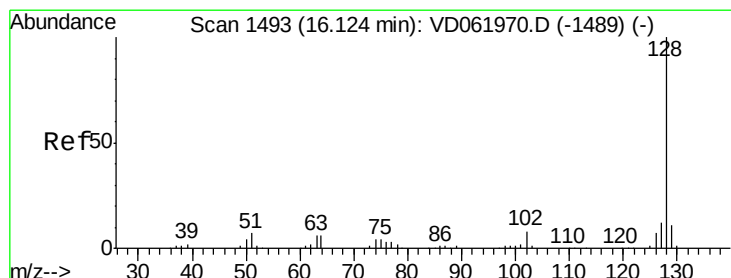
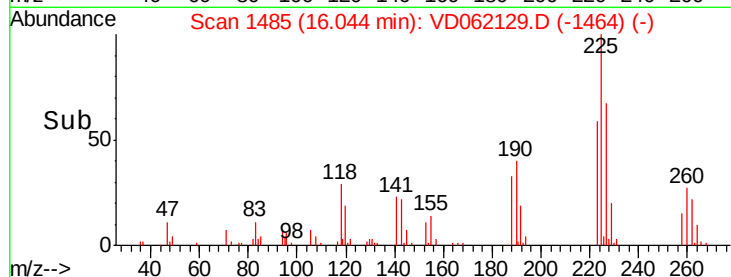
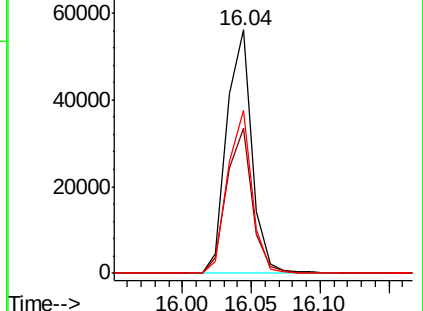
227 67.0 32.0 96.2



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

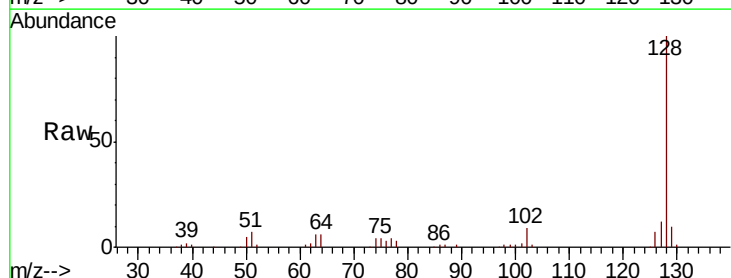
Tgt Ion:128 Resp: 177418

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	10.3	8.8	13.2

128 100

127 12.3 9.8 14.8

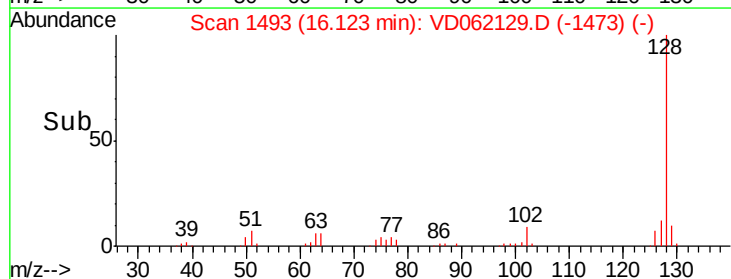
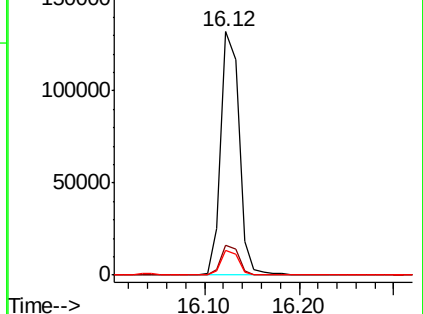
129 10.3 8.8 13.2

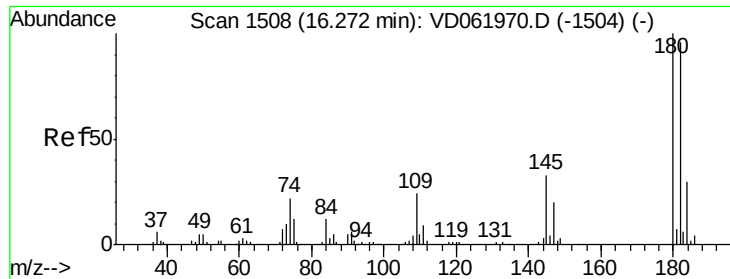


Abundance Ion 128.00 (127.70 to 128.70): V

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 :

VD0506SBSD01

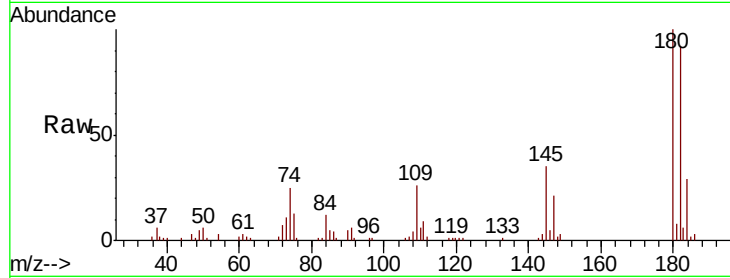
Tot Ion:180 Resp: 71521

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

