

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
 Data File : VD062364.D
 Acq On : 15 May 2019 00:47
 Operator : FY/SY
 Sample : VD0514SBSD02
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

Quant Time: May 15 03:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	603553	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	770011	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	717021	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	333014	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	338752	60.40	ug/l	0.05
Spiked Amount	50.000		Recovery	=	120.80%	
35) Dibromofluoromethane	6.94	113	361841	56.64	ug/l	0.05
Spiked Amount	50.000		Recovery	=	113.28%	
50) Toluene-d8	10.42	98	716170	46.49	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.98%	
62) 4-Bromofluorobenzene	13.56	95	352855	57.04	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	97813	16.945	ug/l	99
3) Chloromethane	1.75	50	64961	15.574	ug/l	98
4) Vinyl Chloride	1.85	62	67901	16.564	ug/l	92
5) Bromomethane	2.15	94	24904	25.928	ug/l	98
6) Chloroethane	2.26	64	33312	19.366	ug/l #	88
7) Trichlorofluoromethane	2.53	101	168633	21.160	ug/l	100
8) Diethyl Ether	2.88	74	21471	13.969	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.16	101	103288	17.133	ug/l	97
10) Methyl Iodide	3.31	142	111275	12.213	ug/l #	81
11) Tert butyl alcohol	4.09	59	25897	90.453	ug/l	99
12) 1,1-Dichloroethene	3.13	96	69069	15.008	ug/l	91
13) Acrolein	3.04	56	15933	53.805	ug/l	95
14) Allyl chloride	3.63	41	109487	16.363	ug/l #	79
15) Acrylonitrile	4.21	53	65021	86.403	ug/l #	81
16) Acetone	3.23	43	113795	96.744	ug/l #	82
17) Carbon Disulfide	3.38	76	176124	13.304	ug/l	99
18) Methyl Acetate	3.65	43	42578	20.058	ug/l #	89
19) Methyl tert-butyl Ether	4.25	73	189184	19.179	ug/l #	91
20) Methylene Chloride	3.83	84	82570	16.812	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	81309	15.878	ug/l	95
22) Diisopropyl ether	5.14	45	237360	16.670	ug/l	94
23) Vinyl Acetate	5.07	43	718811	95.681	ug/l	97
24) 1,1-Dichloroethane	5.00	63	144643	16.839	ug/l	99
25) 2-Butanone	6.08	43	120566	93.972	ug/l	100
26) 2,2-Dichloropropane	6.03	77	165849	19.383	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	94859	16.549	ug/l	95
28) Bromochloromethane	6.45	49	84368	24.964	ug/l	82
29) Tetrahydrofuran	6.47	42	52065	88.073	ug/l	93
30) Chloroform	6.67	83	200972	19.413	ug/l	99
31) Cyclohexane	6.97	56	89240	15.164	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	211127	21.577	ug/l	100
36) 1,1-Dichloropropene	7.16	75	126610	20.054	ug/l	92
37) Ethyl Acetate	6.19	43	55835	20.854	ug/l #	90
38) Carbon Tetrachloride	7.13	117	204432	23.395	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	103538	17.117	ug/l	92
40) Benzene	7.47	78	265023	18.590	ug/l	99
41) Methacrylonitrile	6.47	41	67292	20.567	ug/l #	80
42) 1,2-Dichloroethane	7.59	62	137874	22.826	ug/l	90
43) Isopropyl Acetate	9.25	43	74648	19.659	ug/l	95
44) Trichloroethene	8.55	130	95308	17.544	ug/l	71
45) 1,2-Dichloropropane	8.95	63	61019	17.304	ug/l	94
46) Dibromomethane	9.07	93	60476	21.090	ug/l	94
47) Bromodichloromethane	9.39	83	145513	20.746	ug/l	97
48) Methyl methacrylate	9.13	41	52285	22.355	ug/l #	82
49) 1,4-Dioxane	9.09	88	9417	373.163	ug/l	99
51) 4-Methyl-2-Pentanone	10.31	43	255879	104.832	ug/l	91
52) Toluene	10.52	92	172190	18.563	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	123394	20.355	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	115311	17.436	ug/l #	82
55) 1,1,2-Trichloroethane	11.20	97	65213	19.870	ug/l	97
56) Ethyl methacrylate	11.05	69	62277	18.261	ug/l #	78
57) 1,3-Dichloropropane	11.42	76	95287	19.218	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	232608	124.863	ug/l	99
59) 2-Hexanone	11.54	43	196881	109.439	ug/l	91
60) Dibromochloromethane	11.69	129	111733	19.699	ug/l	98
61) 1,2-Dibromoethane	11.81	107	76595	19.196	ug/l	92
64) Tetrachloroethene	11.27	164	97812	17.445	ug/l	96
65) Chlorobenzene	12.41	112	209960	15.722	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	101130	17.400	ug/l	93
67) Ethyl Benzene	12.53	91	386952	17.307	ug/l	92
68) m/p-Xylenes	12.68	106	277179	34.075	ug/l	76
69) o-Xylene	13.06	106	125665	16.617	ug/l	82
70) Styrene	13.08	104	207180	16.172	ug/l	95
71) Bromoform	13.25	173	69459	17.177	ug/l #	95
73) Isopropylbenzene	13.41	105	375458	18.809	ug/l	96
74) N-amyl acetate	13.28	43	103542	19.784	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	73469	19.441	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	78213	19.763	ug/l	96
77) Bromobenzene	13.68	156	100640	18.010	ug/l	98
78) n-propylbenzene	13.78	91	417221	17.521	ug/l	93
79) 2-Chlorotoluene	13.85	91	288796	21.176	ug/l	85
80) 1,3,5-Trimethylbenzene	13.94	105	352021	20.942	ug/l	85
81) trans-1,4-Dichloro-2-buten	13.48	75	18636	16.680	ug/l #	66
82) 4-Chlorotoluene	13.96	91	350533	21.842	ug/l	86
83) tert-Butylbenzene	14.19	119	380648	20.147	ug/l	87
84) 1,2,4-Trimethylbenzene	14.24	105	330239	19.577	ug/l	87
85) sec-Butylbenzene	14.37	105	393865	19.013	ug/l	90
86) p-Isopropyltoluene	14.50	119	324945	17.557	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	185745	18.196	ug/l	94
88) 1,4-Dichlorobenzene	14.55	146	166948	16.645	ug/l	98
89) n-Butylbenzene	14.80	91	336763	20.272	ug/l	94
90) Hexachloroethane	15.02	117	97915	19.454	ug/l	64
91) 1,2-Dichlorobenzene	14.81	146	171298	20.376	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14012	22.588	ug/l	59

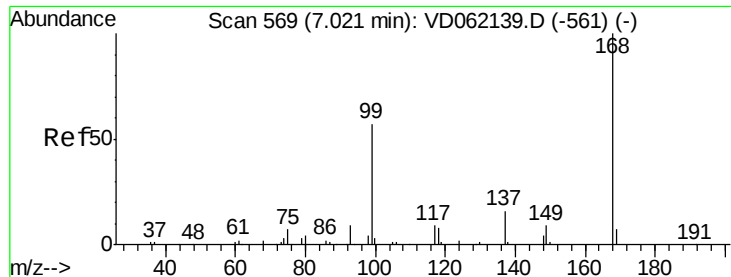
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	127136	20.777	ug/l	95
94) Hexachlorobutadiene	16.04	225	96353	21.171	ug/l	96
95) Naphthalene	16.13	128	179494	21.011	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	88125	22.905	ug/l	98

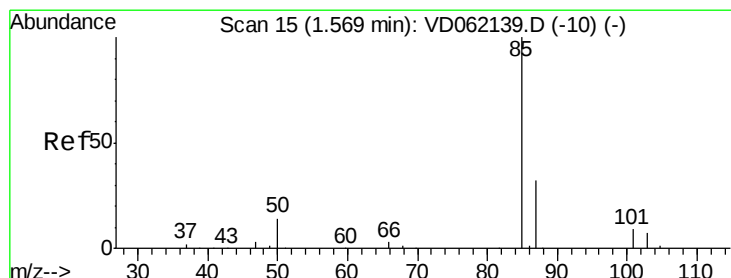
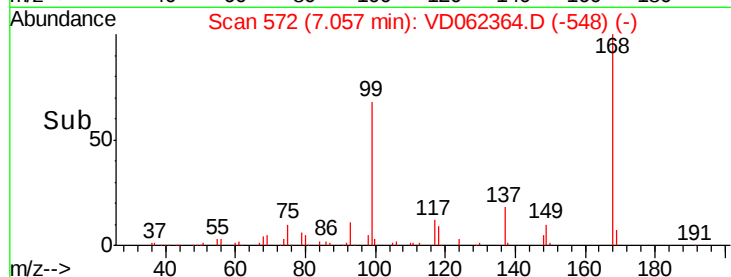
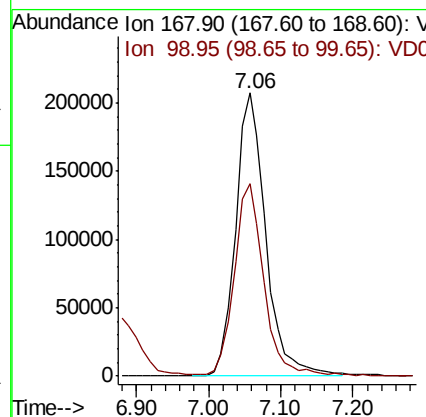
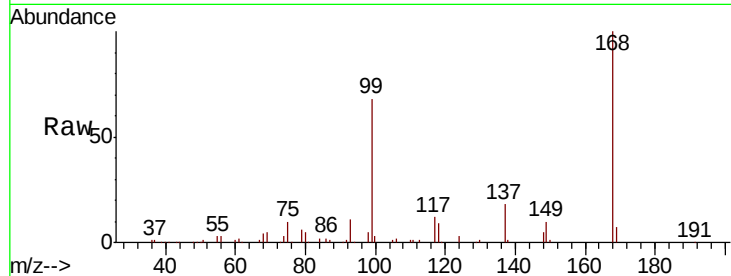
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

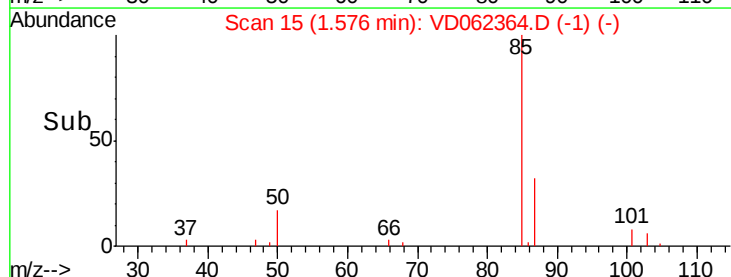
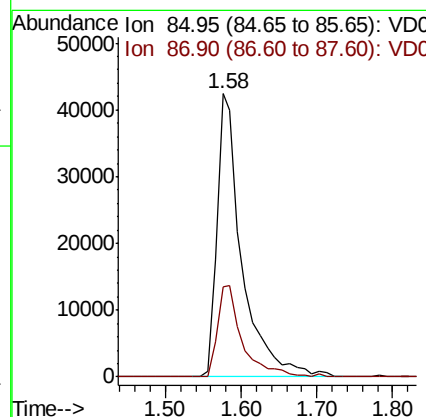
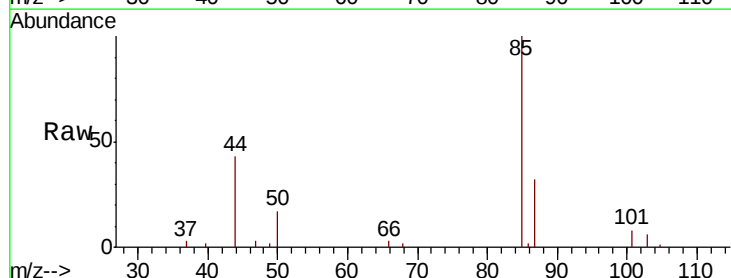
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

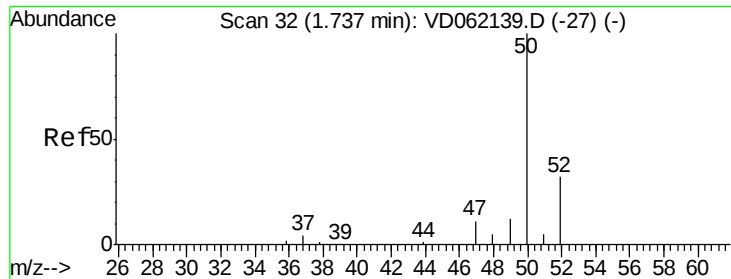
Tgt Ion: 168 Resp: 603553
Ion Ratio Lower Upper
168 100
99 67.9 46.5 69.7



#2
Dichlorodifluoromethane
Concen: 16.945 ug/l
RT: 1.58 min Scan# 15
Delta R.T. 0.01 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 85 Resp: 97813
Ion Ratio Lower Upper
85 100
87 31.8 16.2 48.6





#3

Chloromethane

Concen: 15.574 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

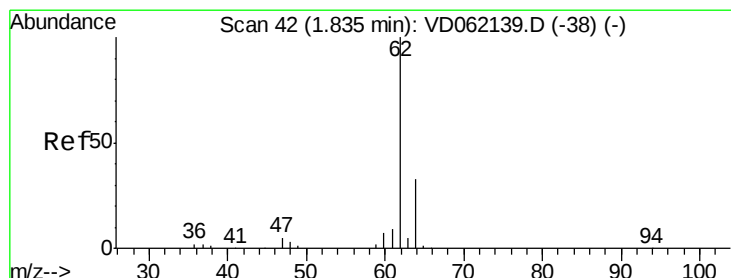
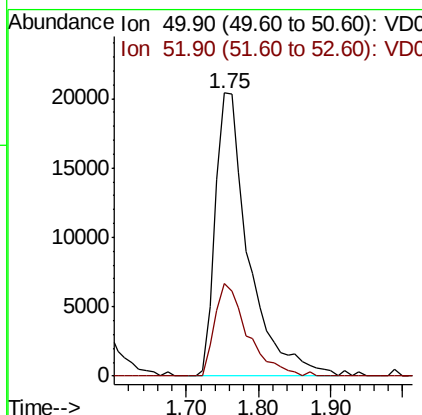
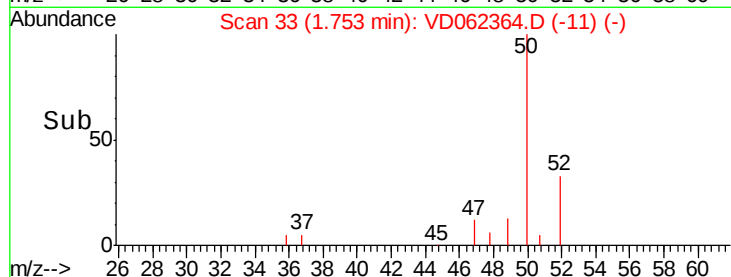
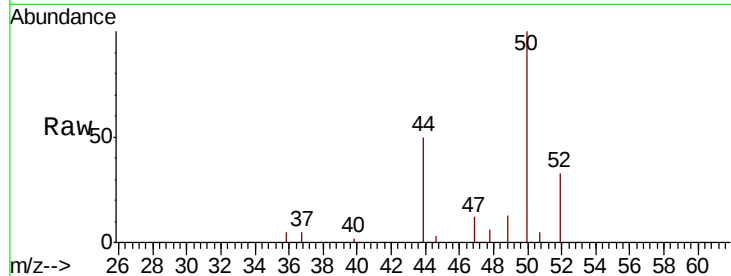
VD0514SBSD02

Tgt Ion: 50 Resp: 64961

Ion Ratio Lower Upper

50 100

52 32.8 25.2 37.8



#4

Vinyl Chloride

Concen: 16.564 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.02 min

Lab File: VD062364.D

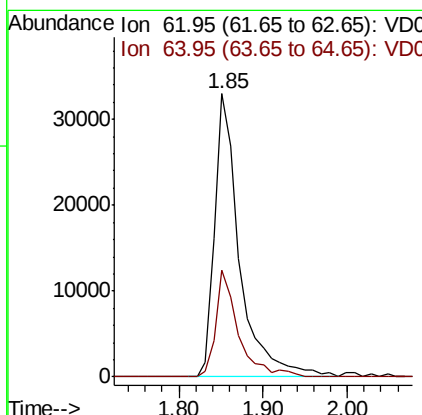
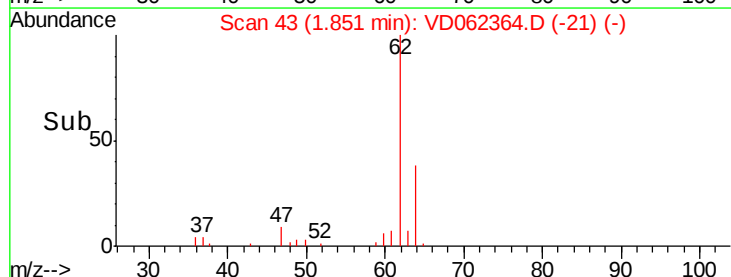
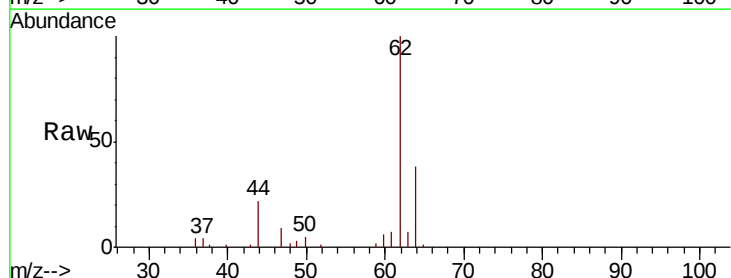
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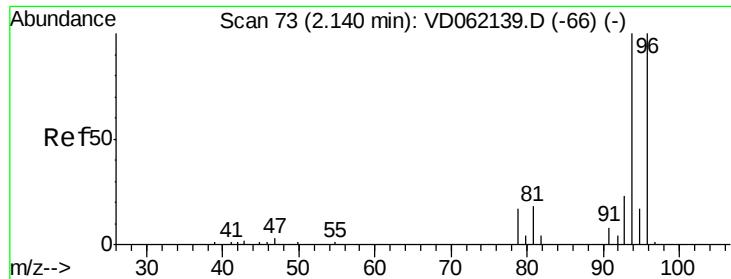
Tgt Ion: 62 Resp: 67901

Ion Ratio Lower Upper

62 100

64 37.7 26.5 39.7





#5

Bromomethane

Concen: 25.928 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD02

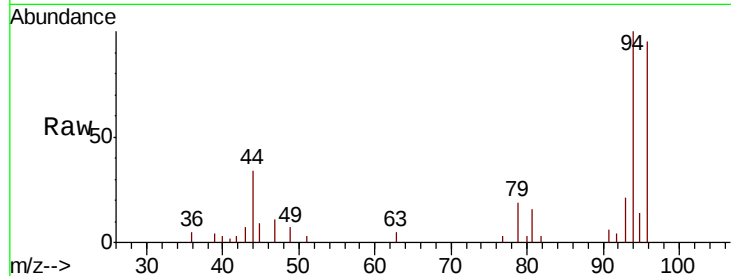
Tgt Ion: 94 Resp: 24904

Ion Ratio Lower Upper

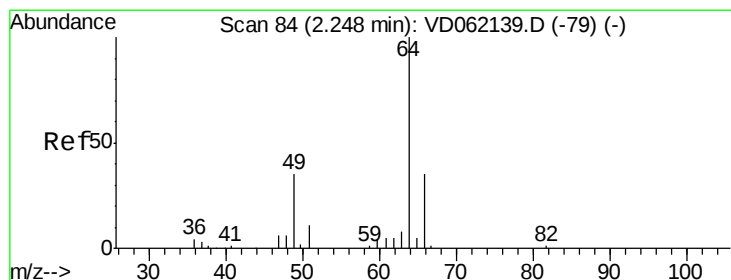
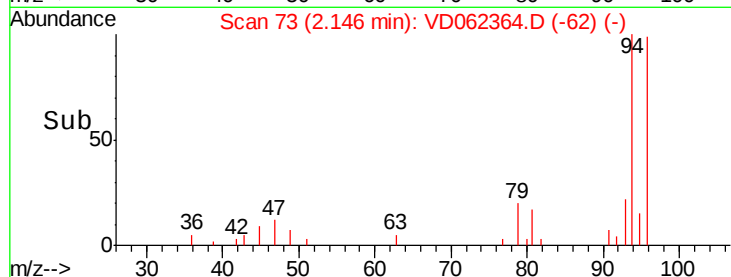
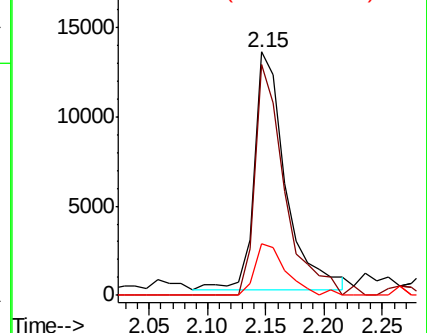
94 100

96 94.8 76.6 115.0

93 21.4 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: 19.366 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD062364.D

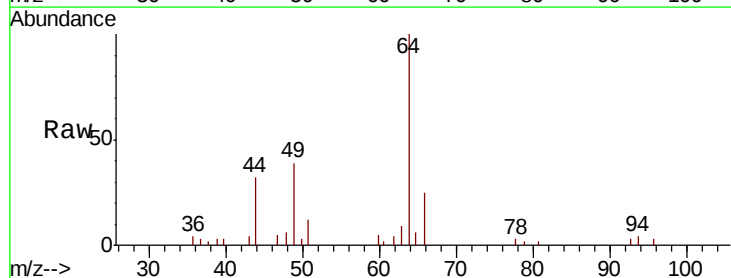
Acq: 15 May 2019 00:47

Tgt Ion: 64 Resp: 33312

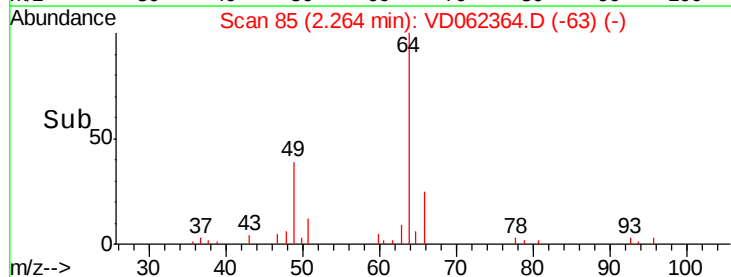
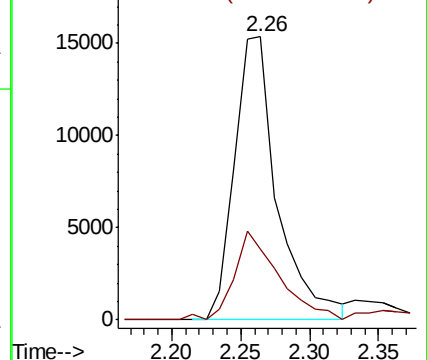
Ion Ratio Lower Upper

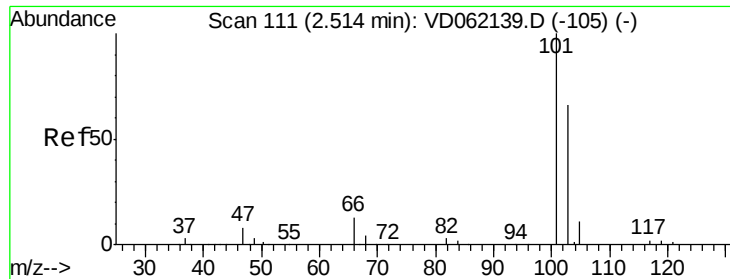
64 100

66 25.0 25.6 38.4#



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



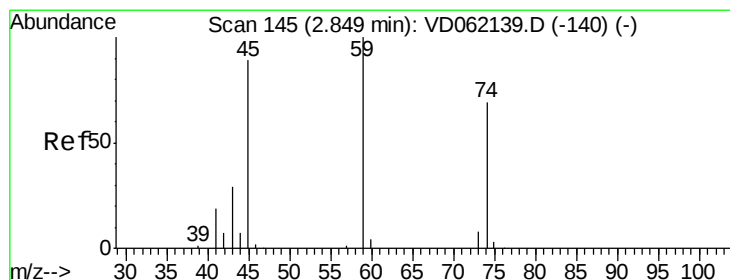
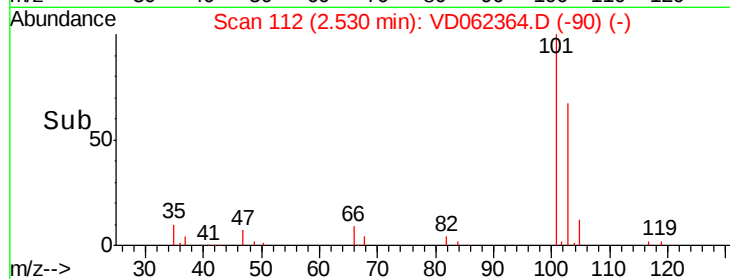
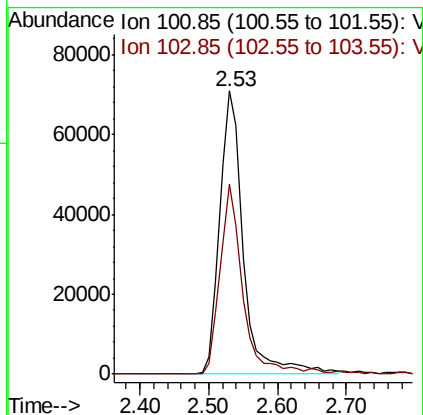
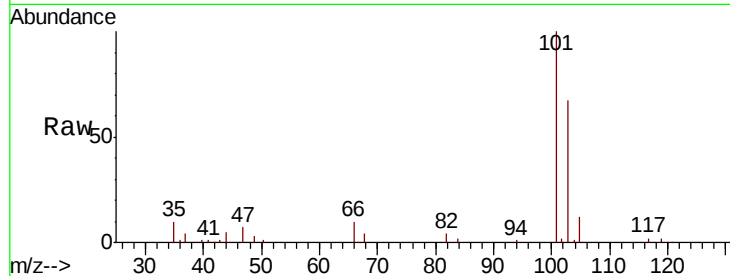


#7

Trichlorofluoromethane
 Concen: 21.160 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Instrument :
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 ClientSampleId :
 VD0514SBSD02

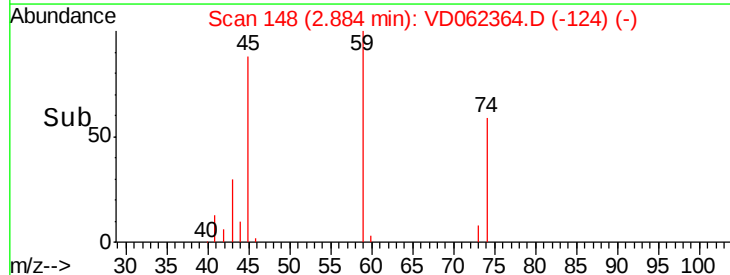
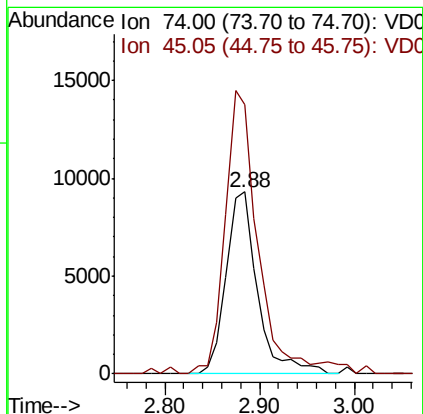
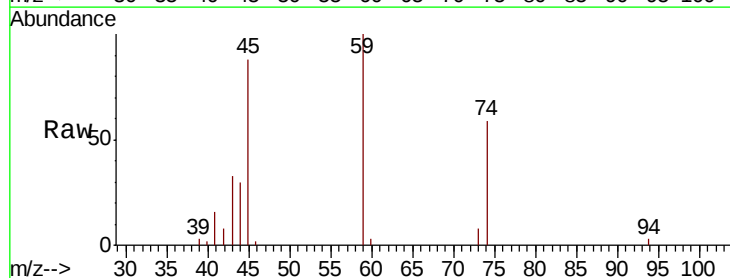
Tgt Ion: 101 Resp: 168633
 Ion Ratio Lower Upper
 101 100
 103 67.3 53.6 80.4

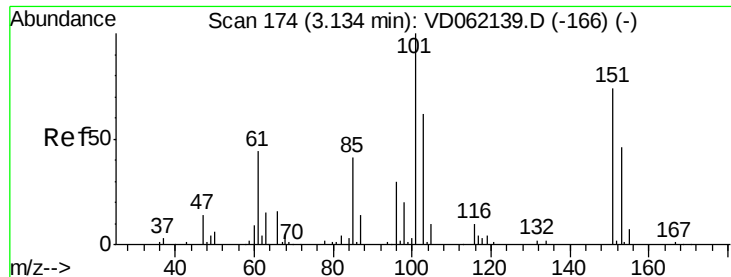


#8

Diethyl Ether
 Concen: 13.969 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.04 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion: 74 Resp: 21471
 Ion Ratio Lower Upper
 74 100
 45 147.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.133 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.03 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD02

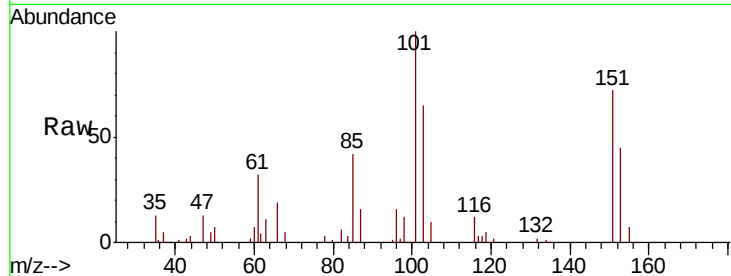
Tgt Ion:101 Resp: 103288

Ion Ratio Lower Upper

101 100

85 42.5 32.4 48.6

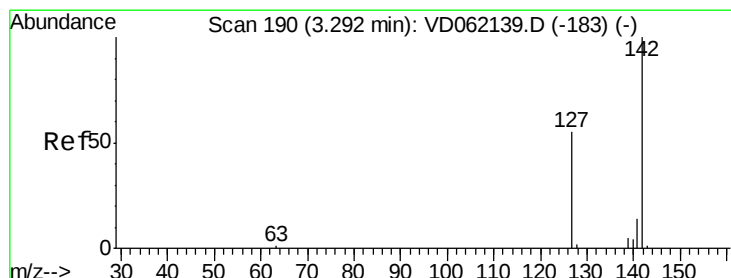
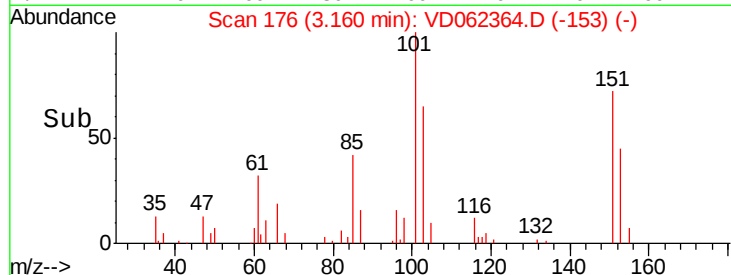
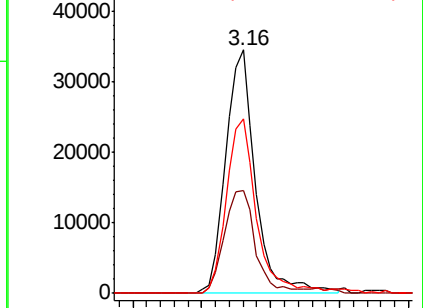
151 71.6 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 12.213 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

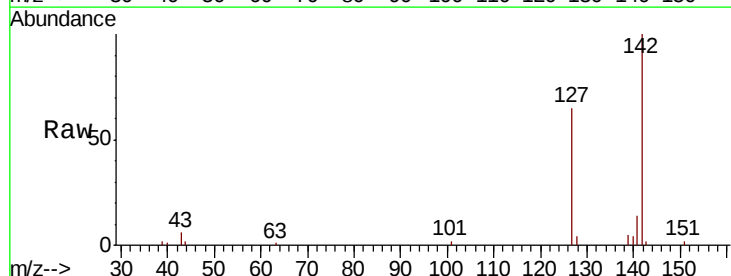
Tgt Ion:142 Resp: 111275

Ion Ratio Lower Upper

142 100

127 65.4 38.8 58.2#

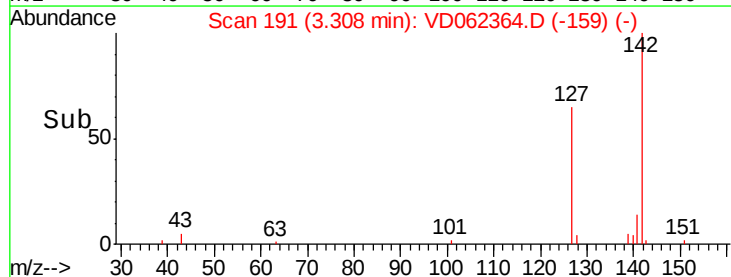
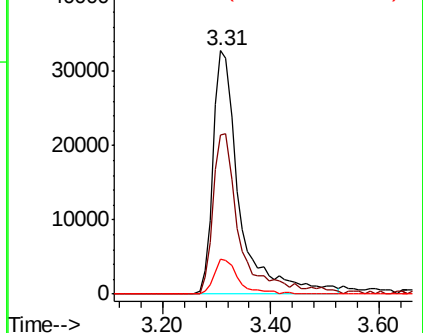
141 14.4 11.4 17.0

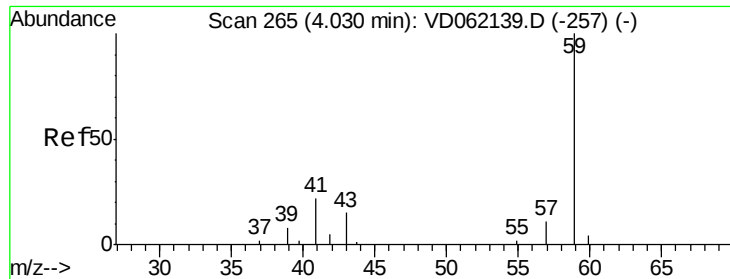


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

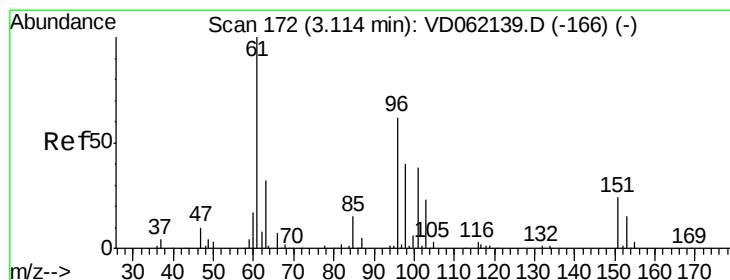
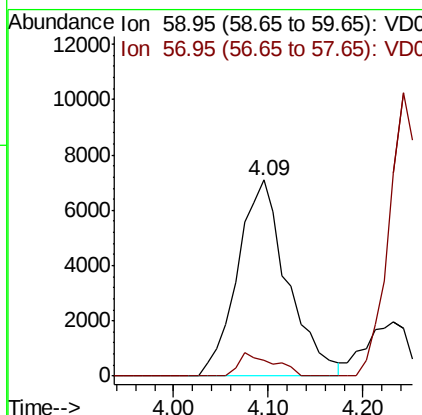
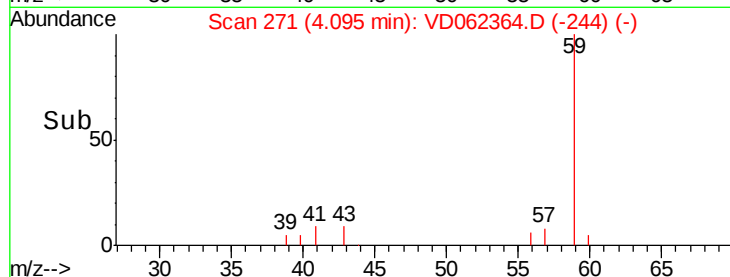
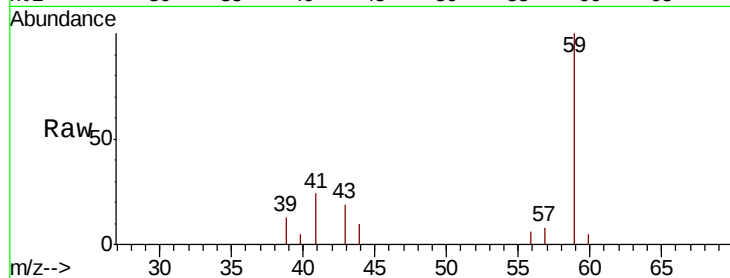




#11
Tert butyl alcohol
Concen: 90.453 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.07 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

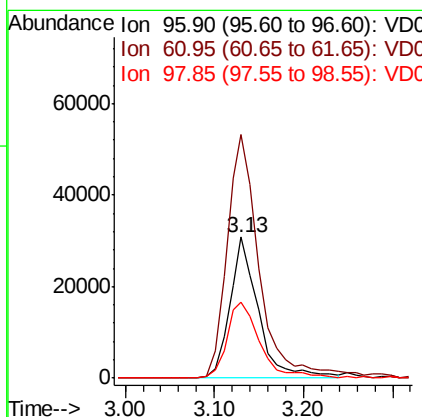
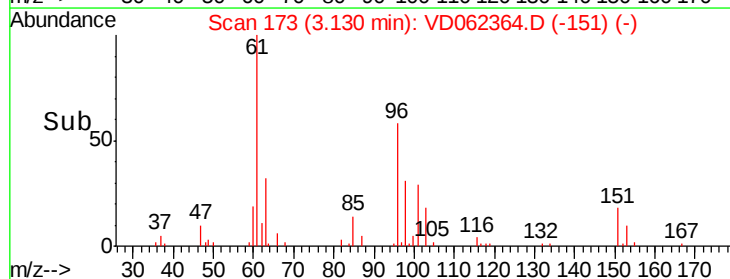
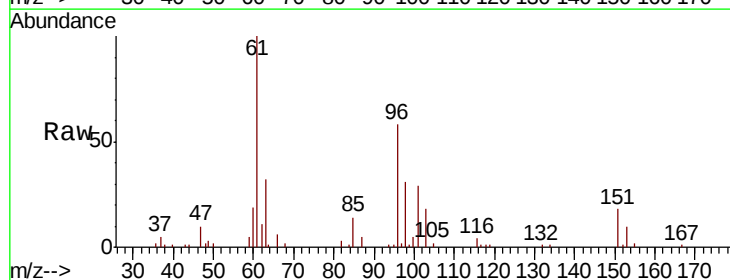
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

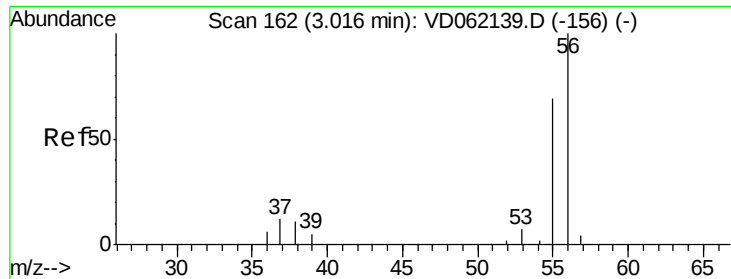
Tgt Ion: 59 Resp: 25897
Ion Ratio Lower Upper
59 100
57 8.4 6.9 10.3



#12
1,1-Dichloroethene
Concen: 15.008 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 96 Resp: 69069
Ion Ratio Lower Upper
96 100
61 172.9 129.8 194.8
98 53.7 51.2 76.8

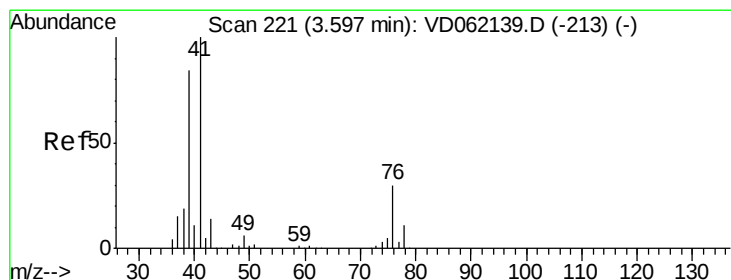
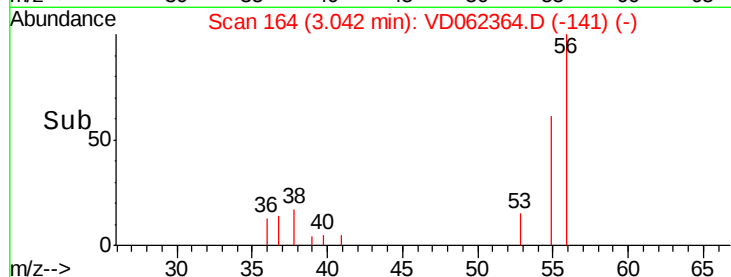
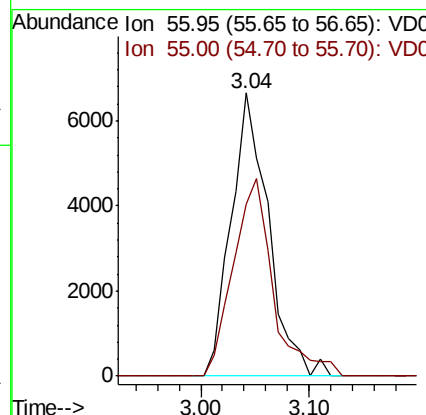
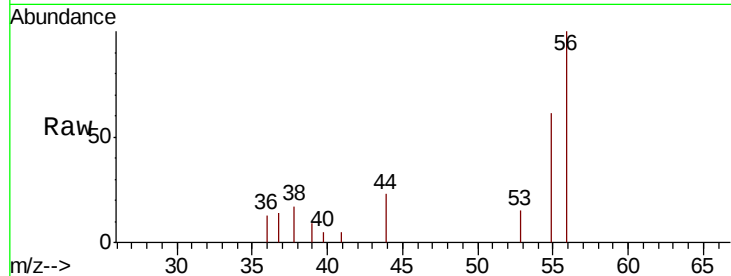




#13
Acrolein
Concen: 53.805 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.03 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

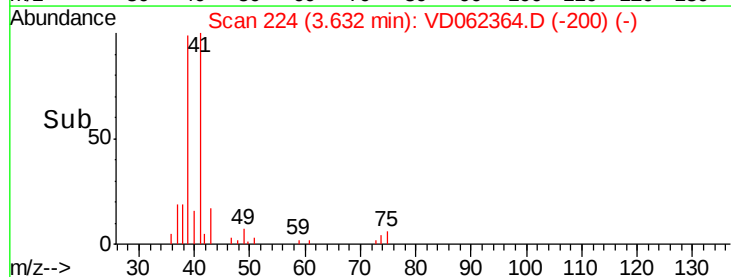
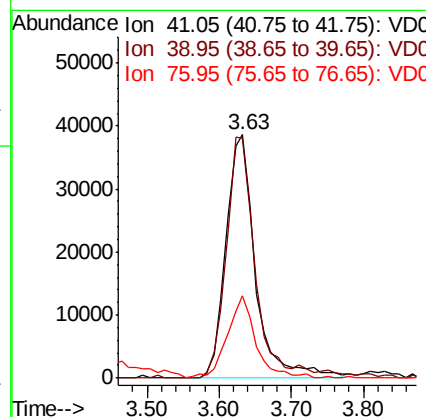
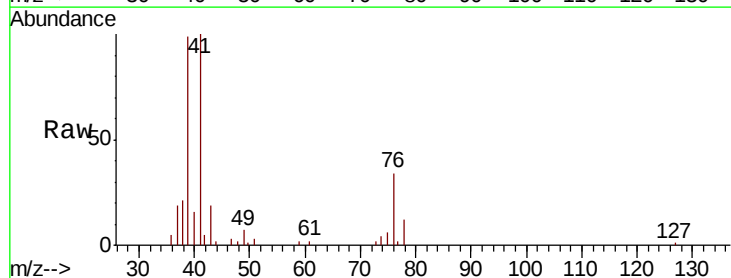
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS02

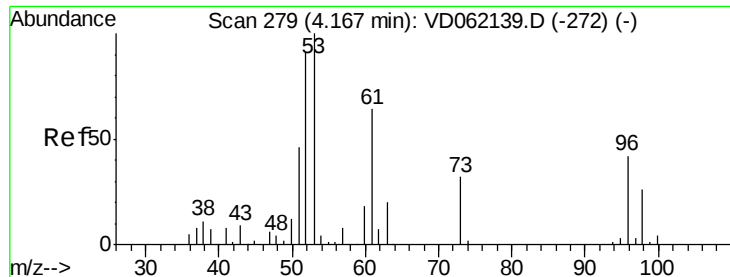
Tgt Ion: 56 Resp: 15933
Ion Ratio Lower Upper
56 100
55 60.7 51.4 77.2



#14
Allyl chloride
Concen: 16.363 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 41 Resp: 109487
Ion Ratio Lower Upper
41 100
39 98.6 60.5 90.7#
76 33.8 31.8 47.8





#15

Acrylonitrile

Concen: 86.403 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.05 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS02

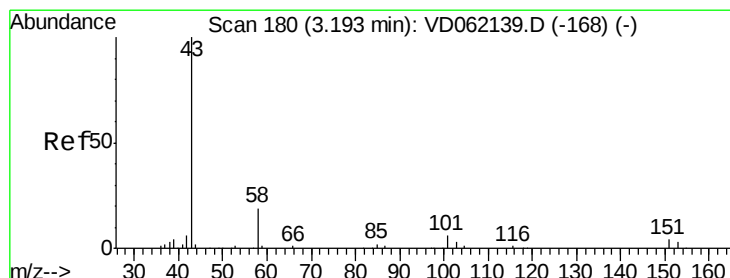
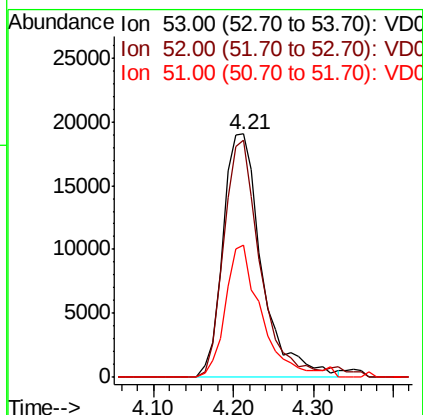
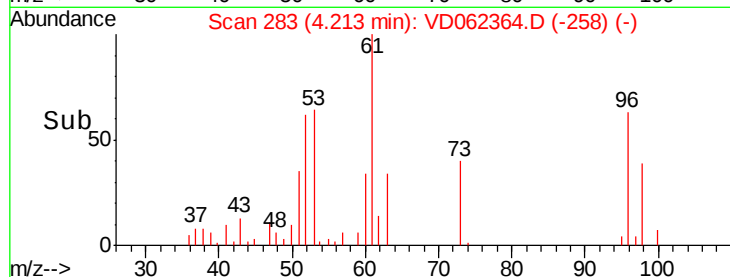
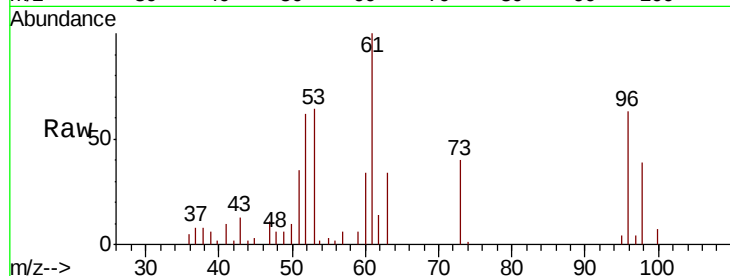
Tgt Ion: 53 Resp: 65021

Ion Ratio Lower Upper

53 100

52 97.2 65.0 97.4

51 54.4 32.6 48.8#



#16

Acetone

Concen: 96.744 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.04 min

Lab File: VD062364.D

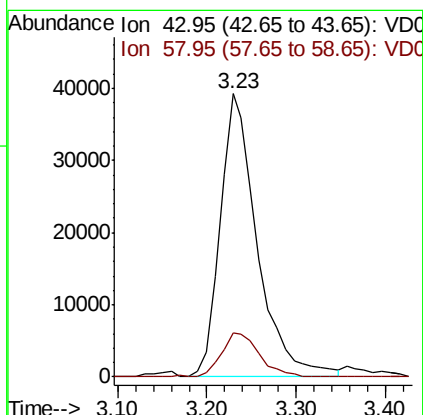
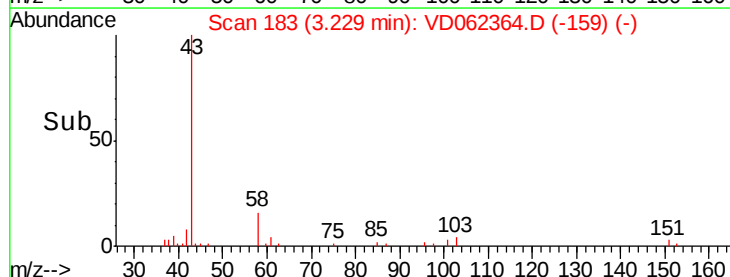
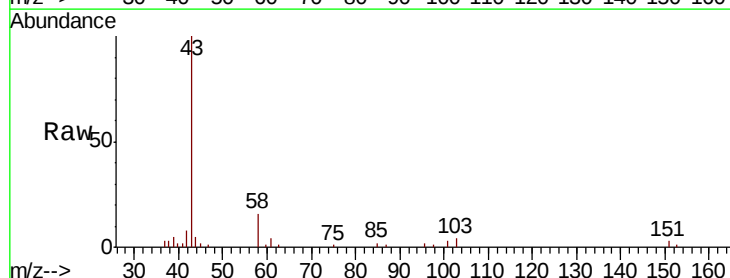
Acq: 15 May 2019 00:47

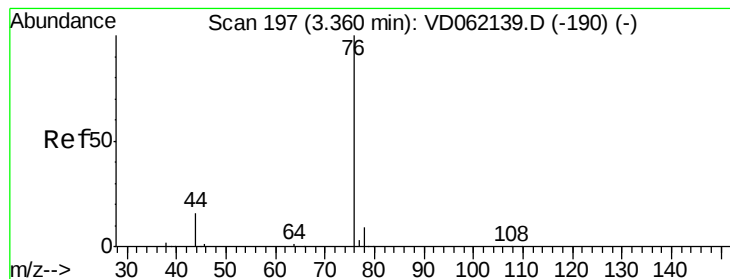
Tgt Ion: 43 Resp: 113795

Ion Ratio Lower Upper

43 100

58 15.7 19.9 29.9#





#17

Carbon Disulfide

Concen: 13.304 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

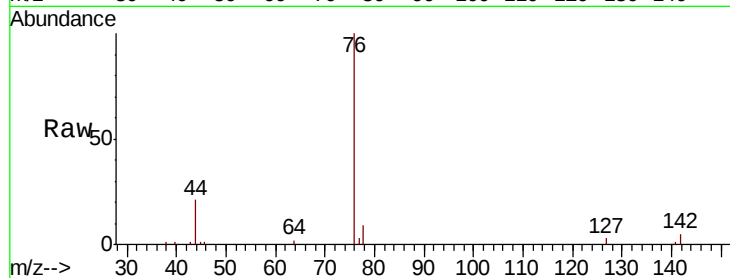
VD0514SBSD02

Tgt Ion: 76 Resp: 176124

Ion Ratio Lower Upper

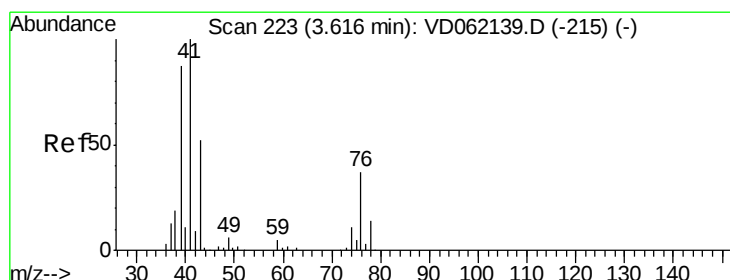
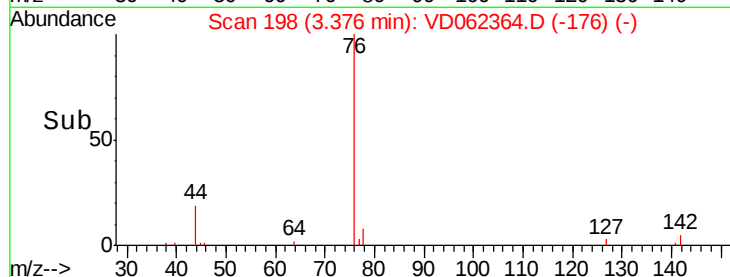
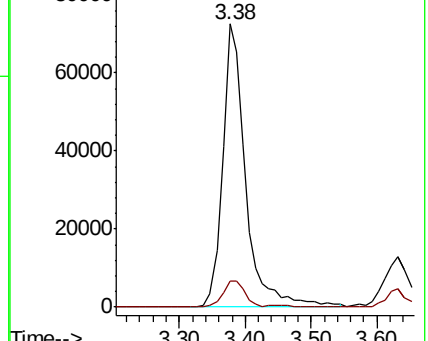
76 100

78 9.2 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: 20.058 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.04 min

Lab File: VD062364.D

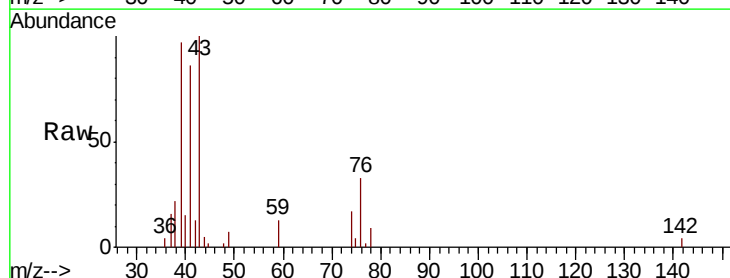
Acq: 15 May 2019 00:47

Tgt Ion: 43 Resp: 42578

Ion Ratio Lower Upper

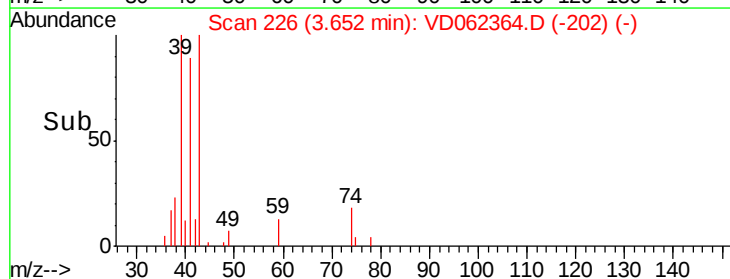
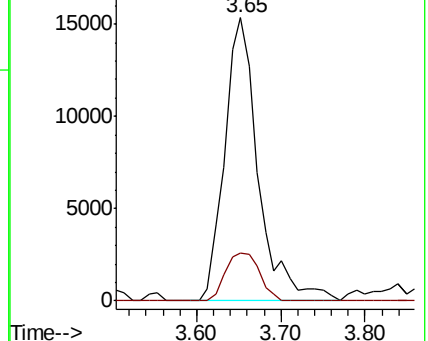
43 100

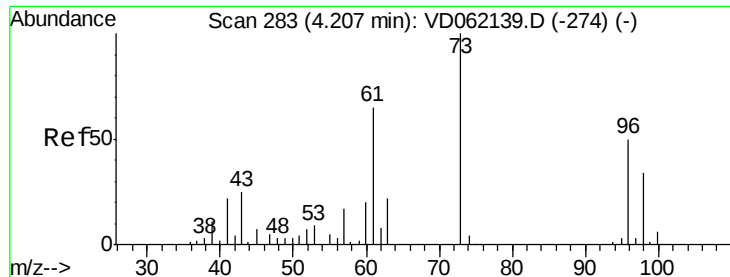
74 17.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

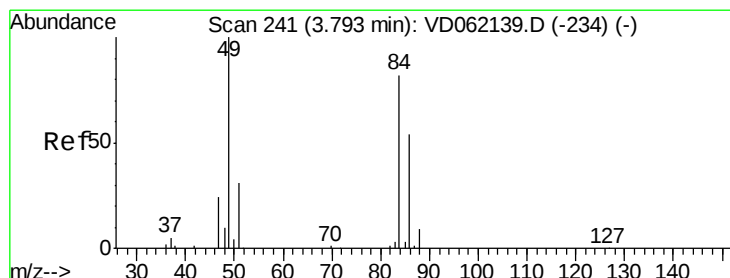
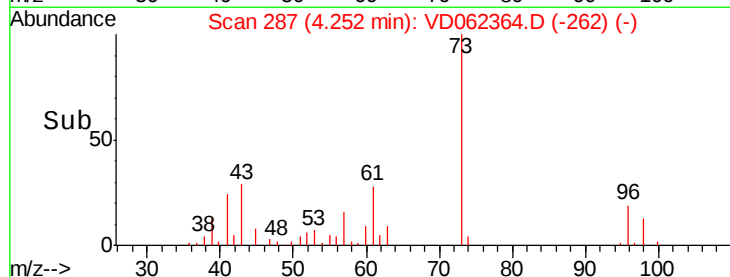
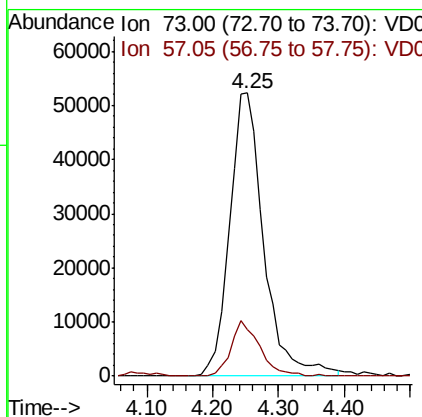
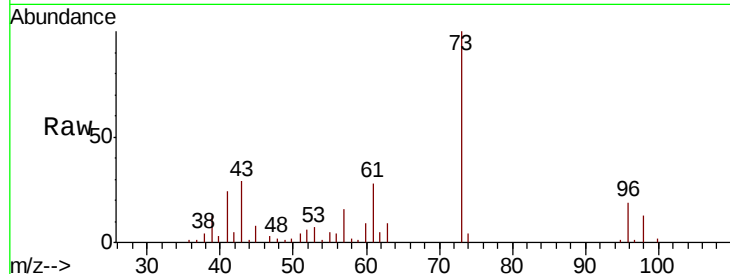




#19
Methyl tert-butyl Ether
Concen: 19.179 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.05 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

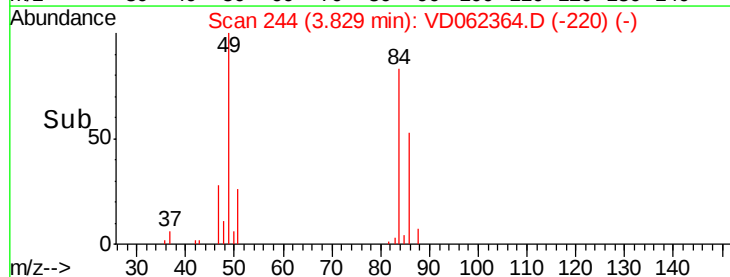
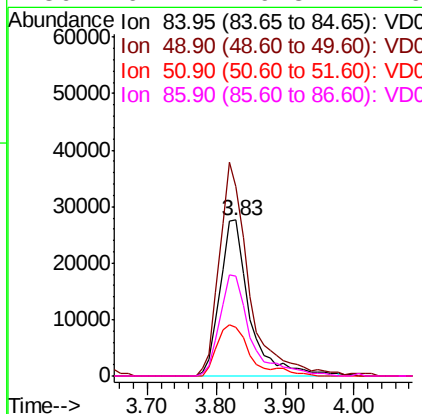
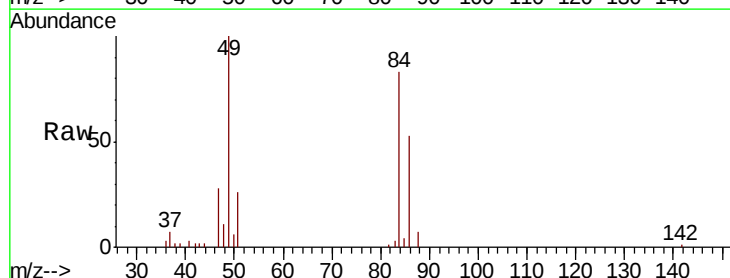
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

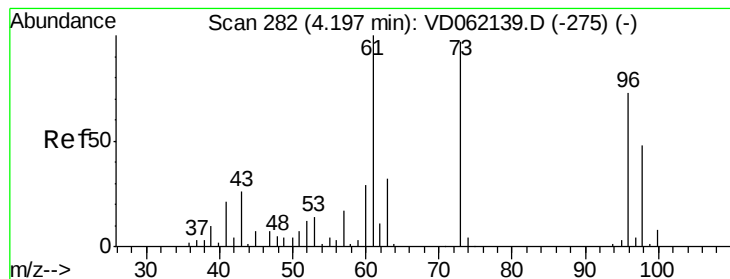
Tgt Ion: 73 Resp: 189184
Ion Ratio Lower Upper
73 100
57 16.3 16.3 24.5#



#20
Methylene Chloride
Concen: 16.812 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 84 Resp: 82570
Ion Ratio Lower Upper
84 100
49 121.1 94.0 141.0
51 31.0 29.0 43.4
86 64.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 15.878 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS02

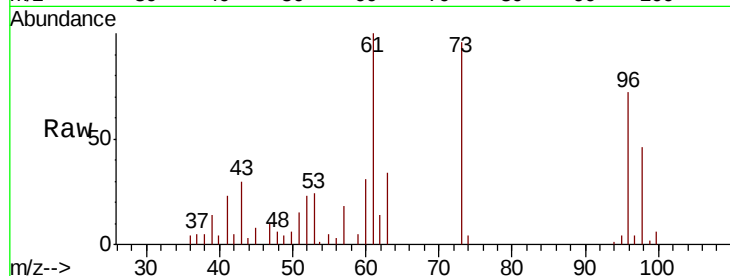
Tgt Ion: 96 Resp: 81309

Ion Ratio Lower Upper

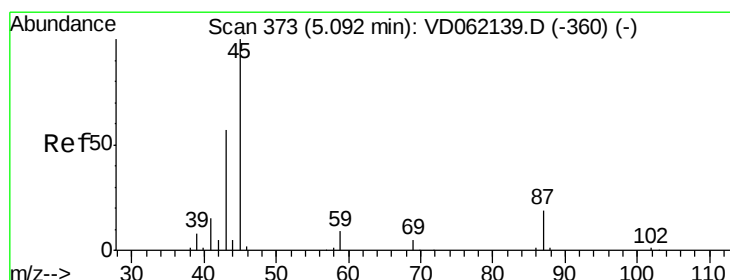
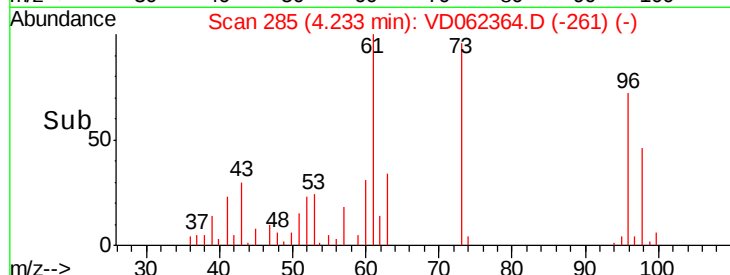
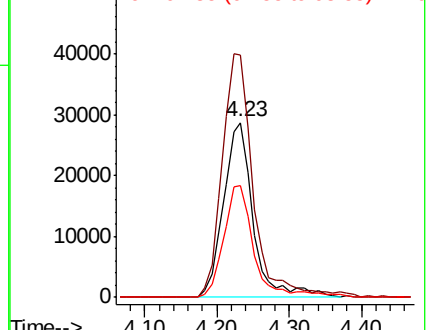
96 100

61 138.7 104.4 156.6

98 64.1 51.8 77.8



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



#22

Diisopropyl ether

Concen: 16.670 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.05 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Tgt Ion: 45 Resp: 237360

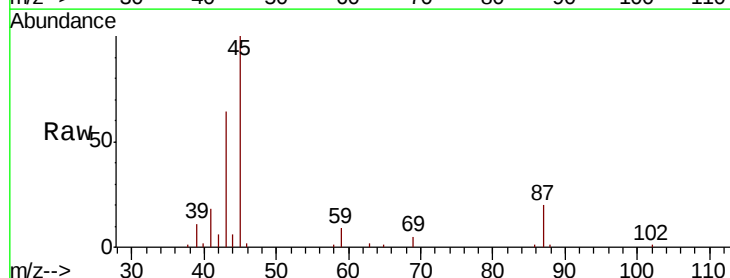
Ion Ratio Lower Upper

45 100

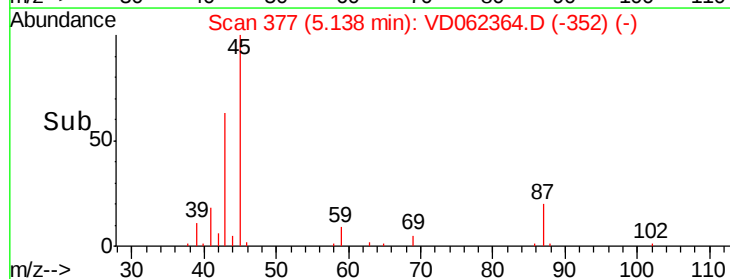
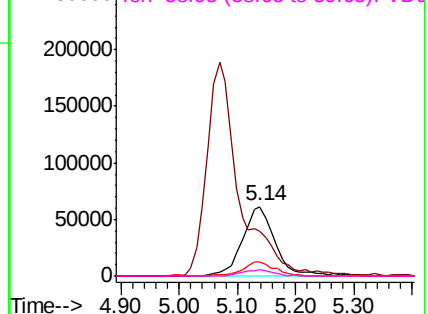
43 63.9 46.2 69.2

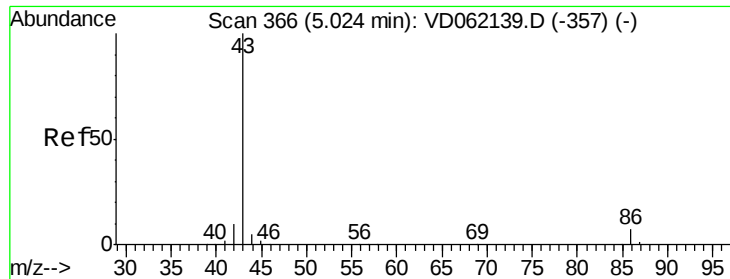
87 20.5 15.9 23.9

59 9.1 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: 95.681 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.05 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

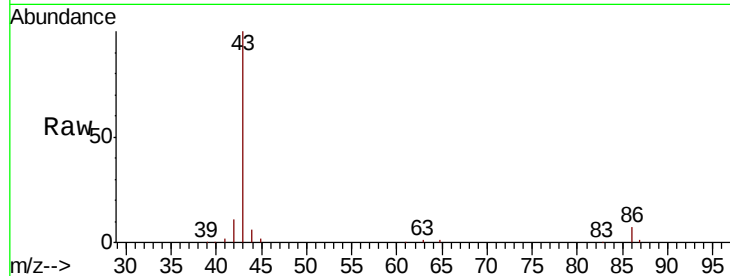
VD0514SBSD02

Tgt Ion: 43 Resp: 718811

Ion Ratio Lower Upper

43 100

86 6.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062364.D (-370) (-)

Ion 86.00 (85.70 to 86.70): VD062364.D (-370) (-)

5.07

200000

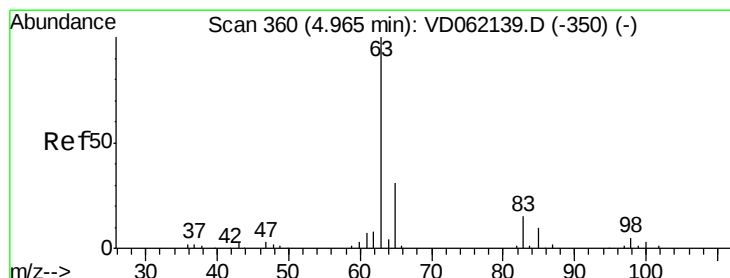
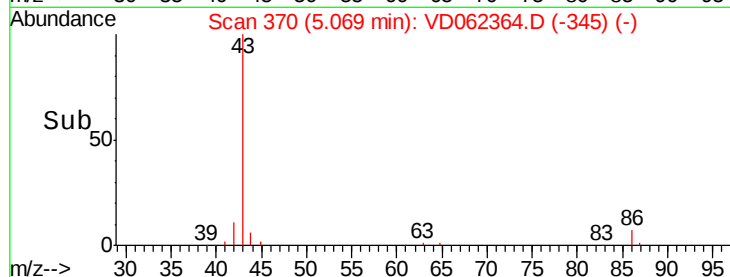
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 16.839 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.04 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

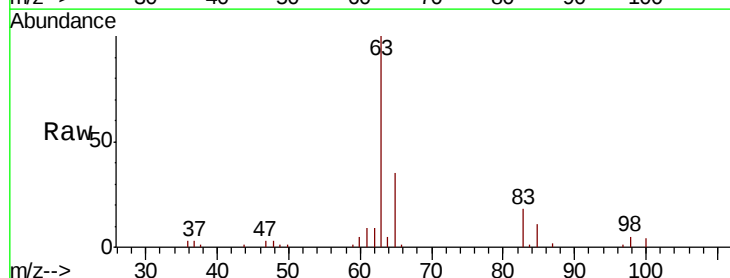
Tgt Ion: 63 Resp: 144643

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

100 3.6 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062364.D (-363) (-)

Ion 97.95 (97.65 to 98.65): VD062364.D (-363) (-)

Ion 99.95 (99.65 to 100.65): VD062364.D (-363) (-)

5.00

50000

40000

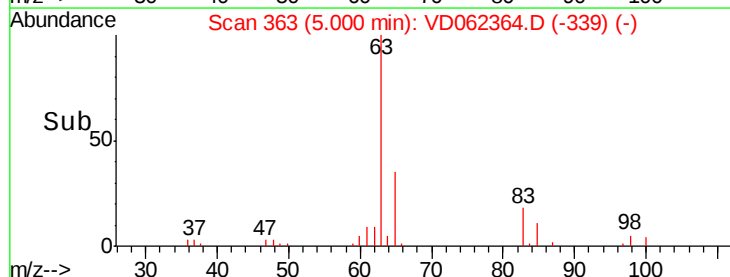
30000

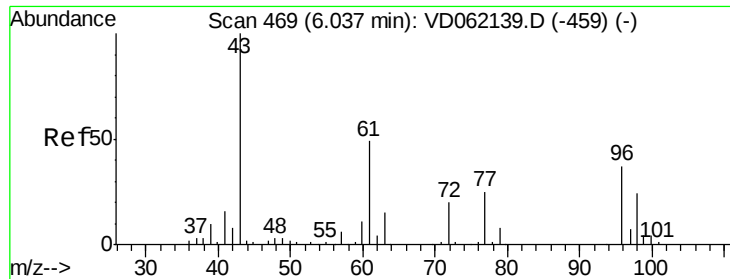
20000

10000

0

Time--> 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 93.972 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.05 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

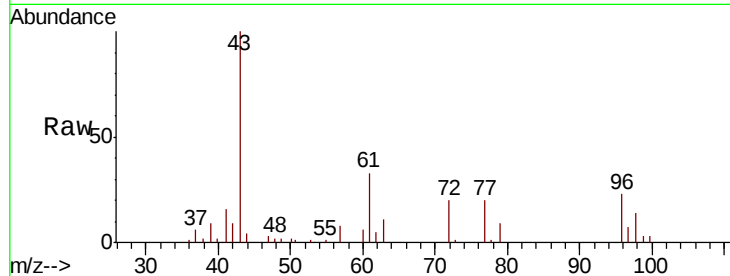
VD0514SBSD02

Tgt Ion: 43 Resp: 120566

Ion Ratio Lower Upper

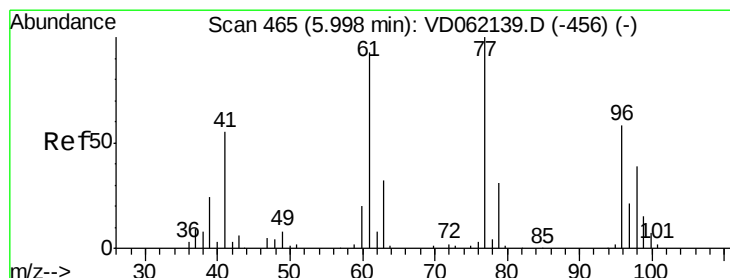
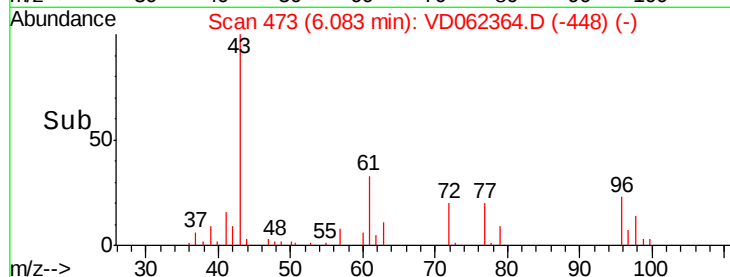
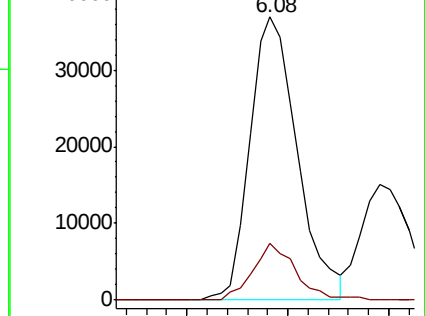
43 100

72 20.2 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: 19.383 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.04 min

Lab File: VD062364.D

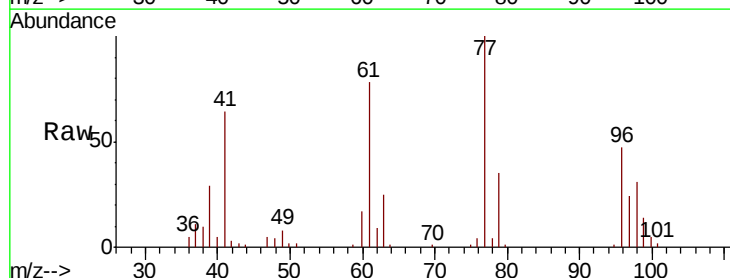
Acq: 15 May 2019 00:47

Tgt Ion: 77 Resp: 165849

Ion Ratio Lower Upper

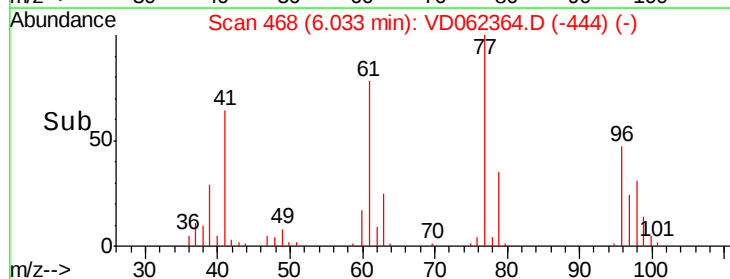
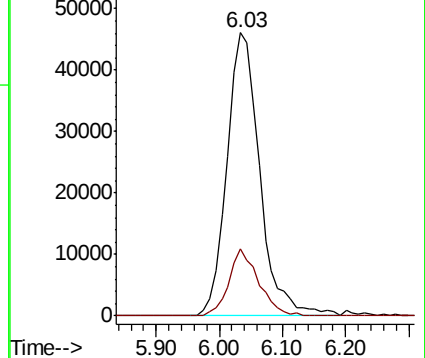
77 100

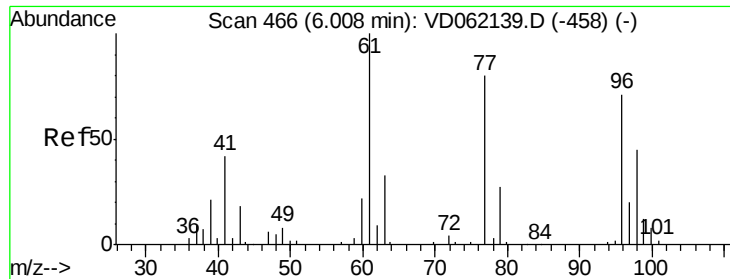
97 23.6 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



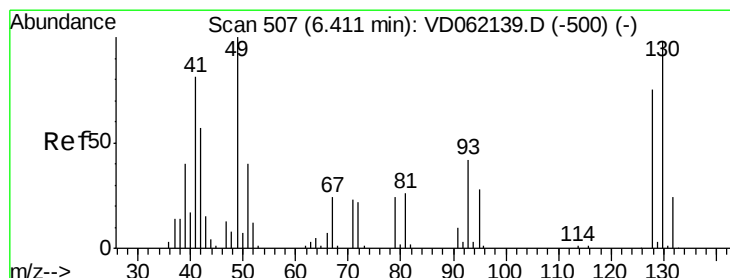
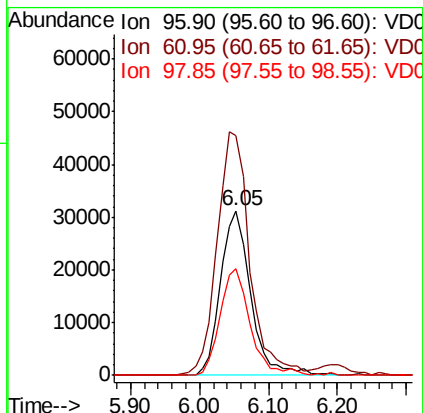
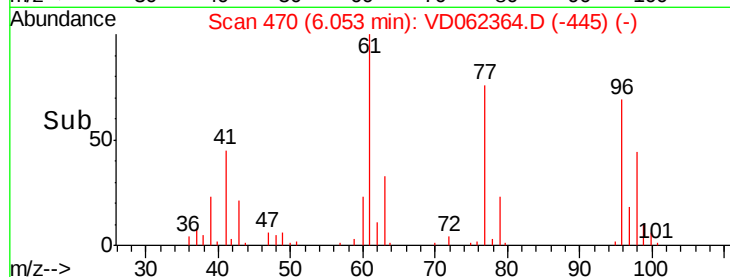
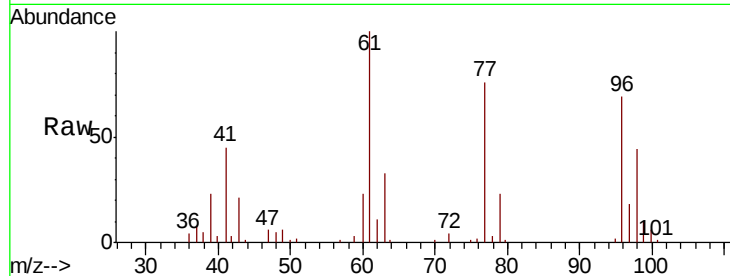


#27

cis-1,2-Dichloroethene
Concen: 16.549 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.05 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS02

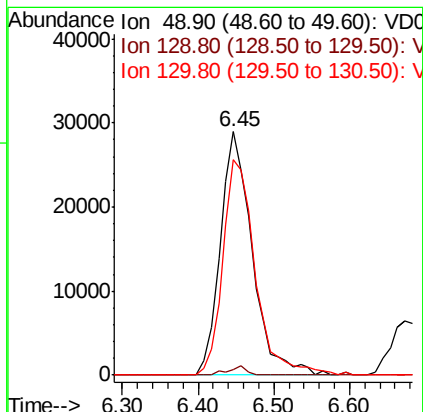
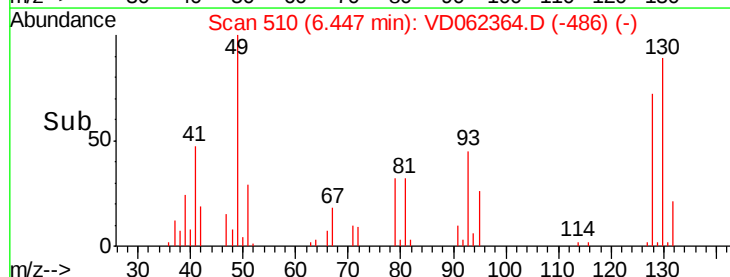
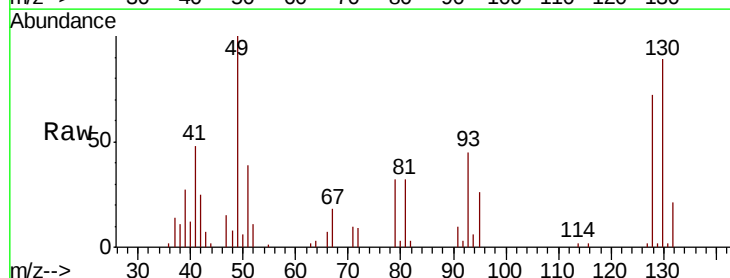
Tgt Ion: 96 Resp: 94859
Ion Ratio Lower Upper
96 100
61 145.9 0.0 279.8
98 64.9 0.0 136.0

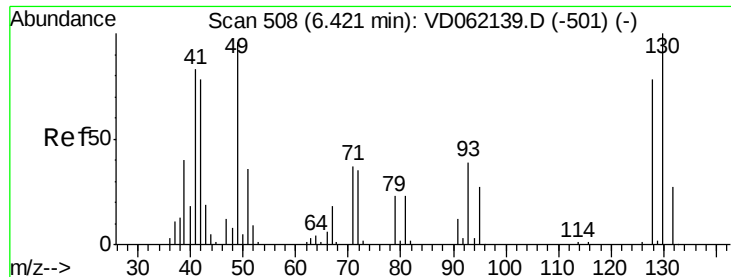


#28

Bromochloromethane
Concen: 24.964 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 49 Resp: 84368
Ion Ratio Lower Upper
49 100
129 2.2 0.0 6.6
130 88.6 86.7 130.1

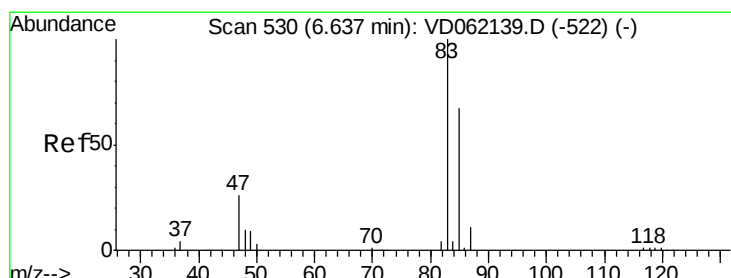
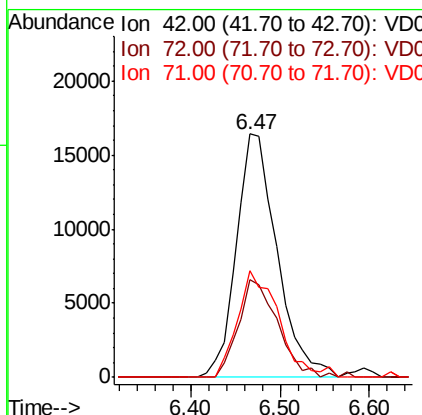
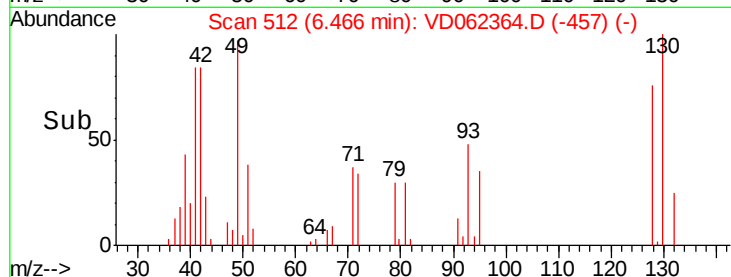
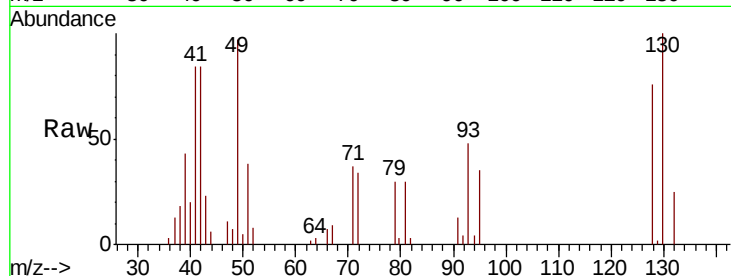




#29
Tetrahydrofuran
Concen: 88.073 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

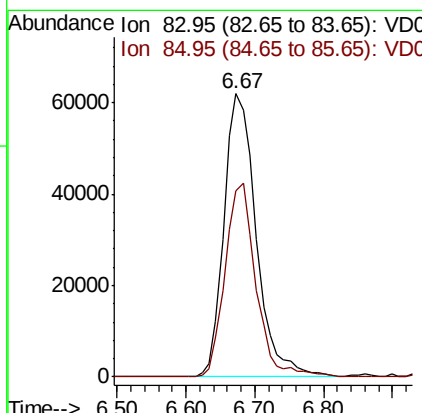
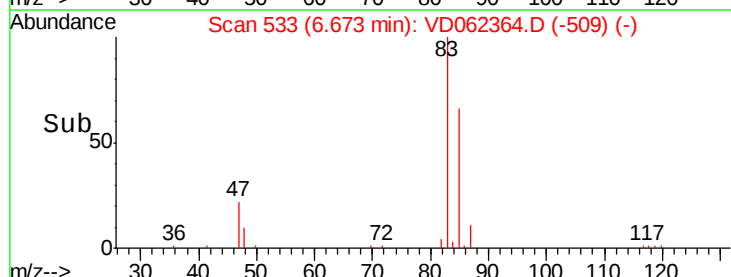
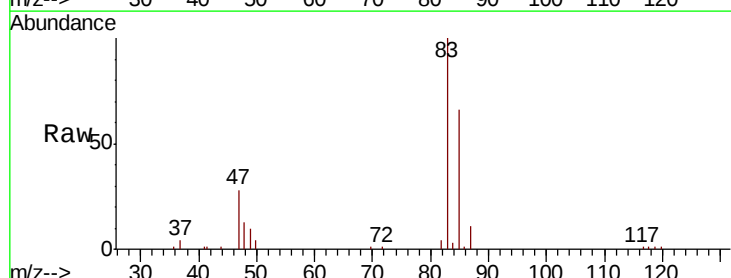
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS02

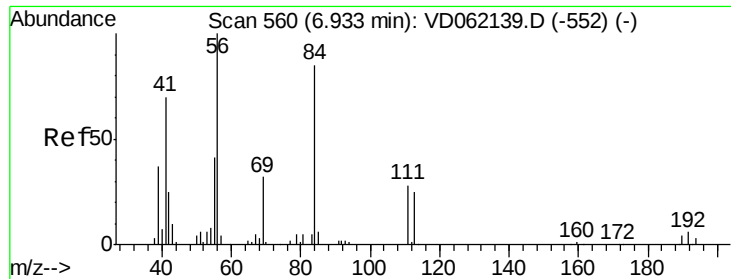
Tgt Ion: 42 Resp: 52065
Ion Ratio Lower Upper
42 100
72 39.0 37.8 56.6
71 44.5 36.7 55.1



#30
Chloroform
Concen: 19.413 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 83 Resp: 200972
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5

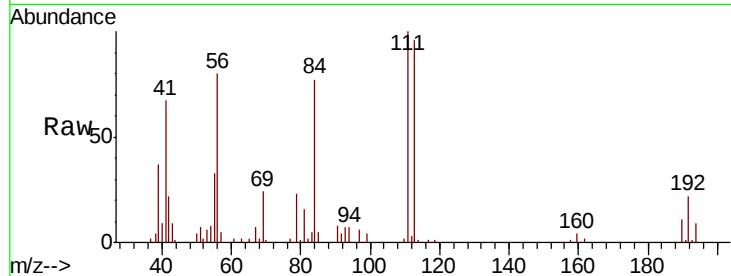




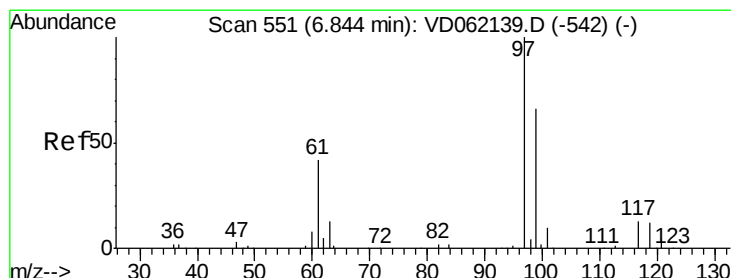
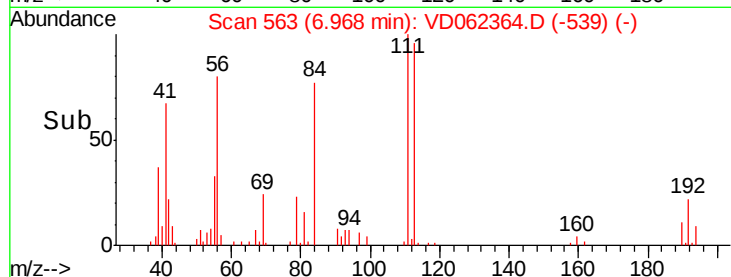
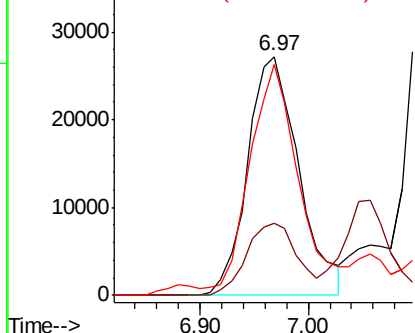
#31
Cyclohexane
Concen: 15.164 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

Tgt Ion: 56 Resp: 89240
Ion Ratio Lower Upper
56 100
69 30.1 25.8 38.6
84 96.4 72.2 108.4

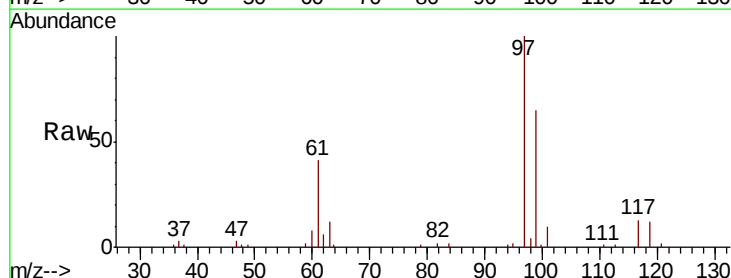


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

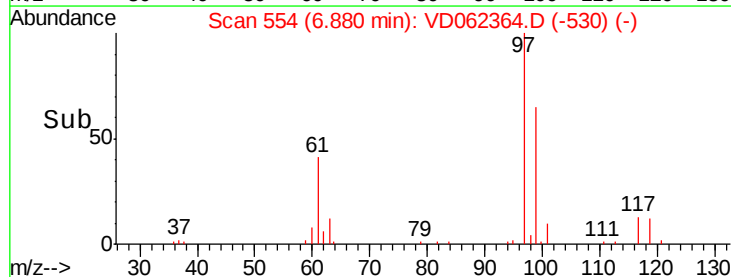
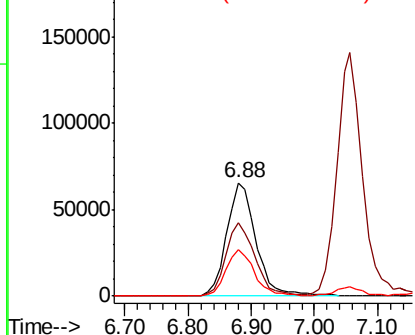


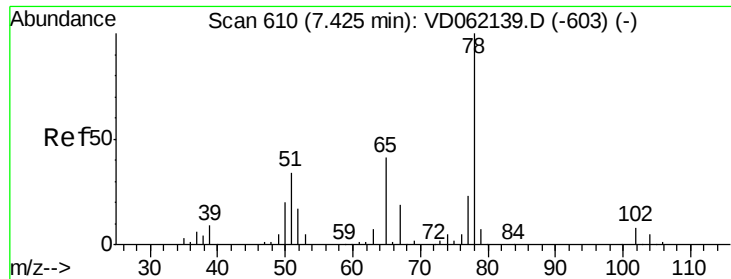
#32
1,1,1-Trichloroethane
Concen: 21.577 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 97 Resp: 211127
Ion Ratio Lower Upper
97 100
99 65.1 52.2 78.2
61 41.0 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: 60.396 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.05 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

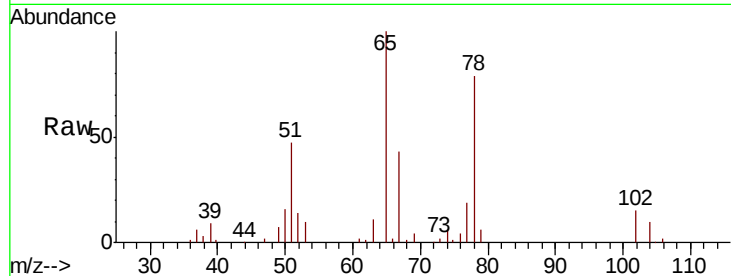
VD0514SBSD02

Tgt Ion: 65 Resp: 338752

Ion Ratio Lower Upper

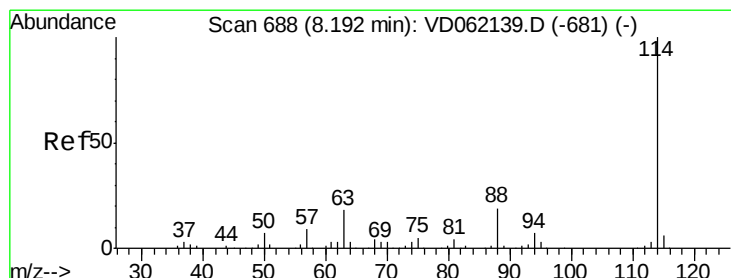
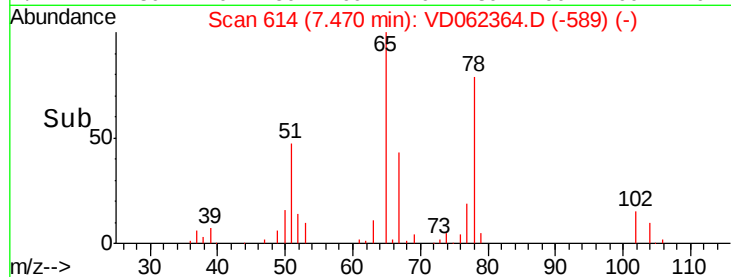
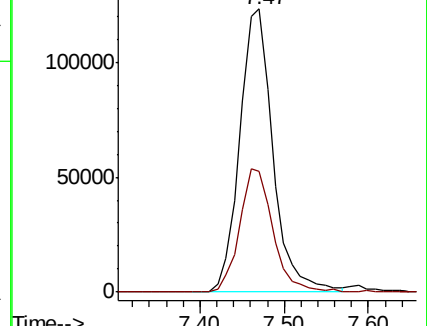
65 100

67 42.8 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: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

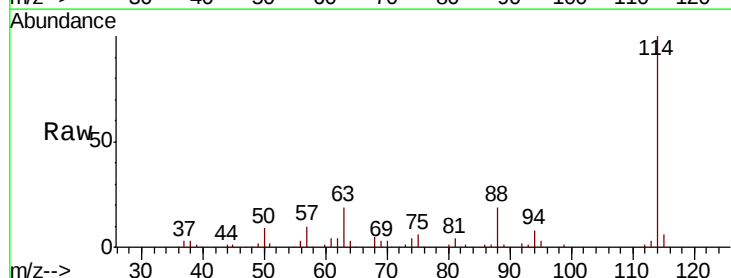
Tgt Ion: 114 Resp: 770011

Ion Ratio Lower Upper

114 100

63 19.2 0.0 32.4

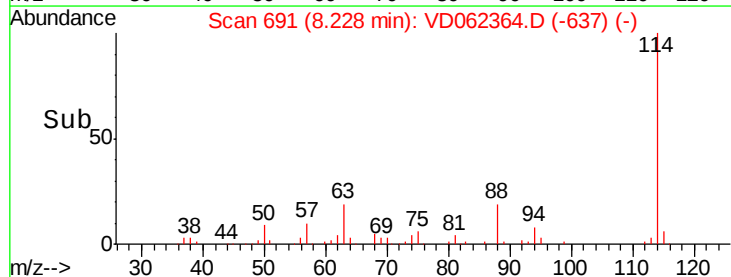
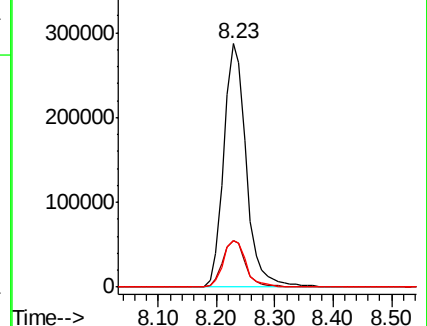
88 19.2 0.0 33.6

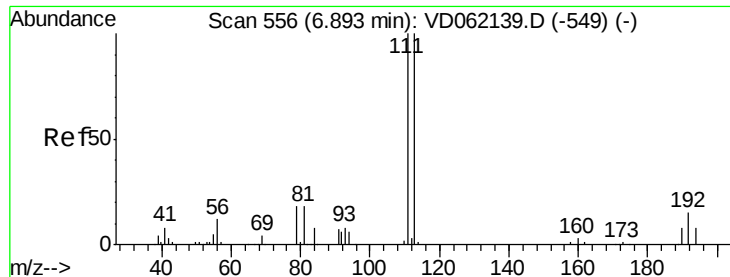


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

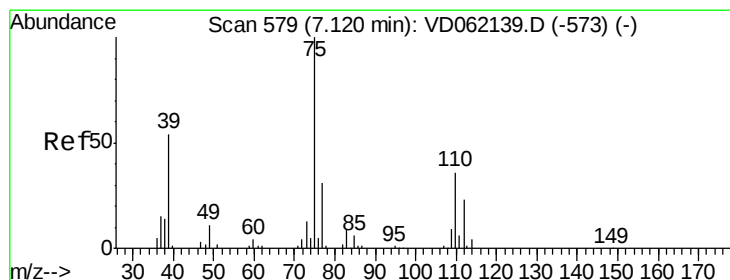
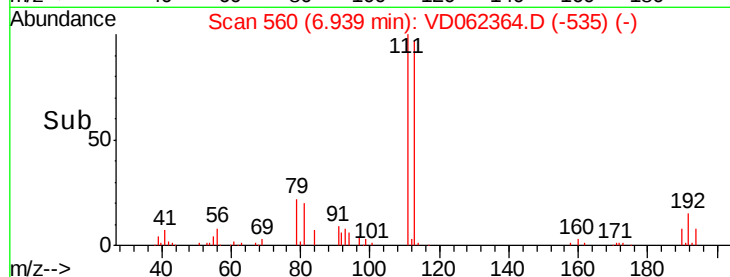
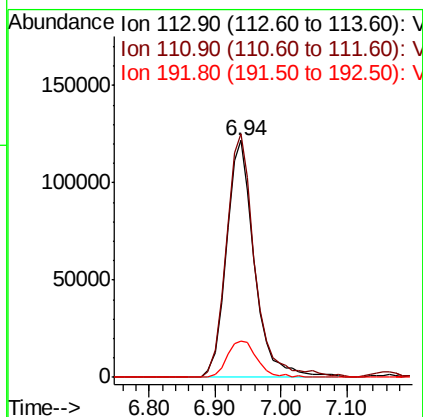
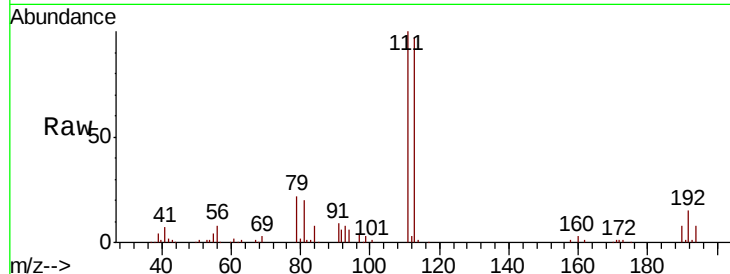




#35
 Dibromofluoromethane
 Concen: 56.636 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.05 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

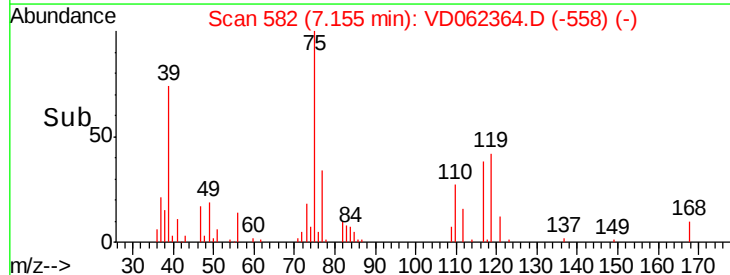
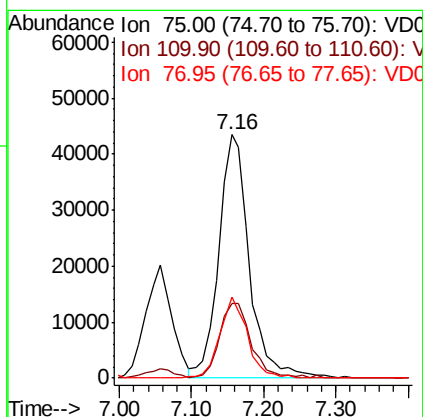
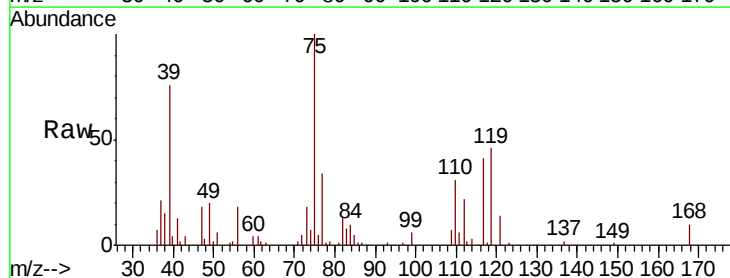
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

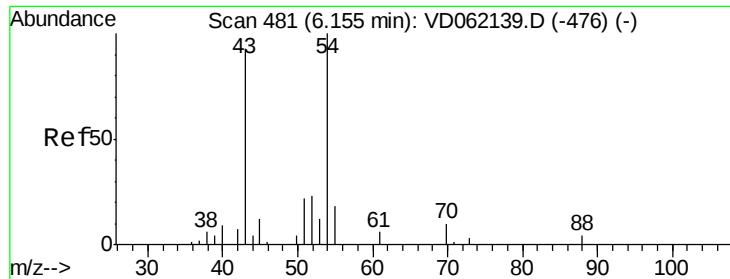
Tgt Ion: 113 Resp: 361841
 Ion Ratio Lower Upper
 113 100
 111 102.7 78.5 117.7
 192 15.3 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 20.054 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.04 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion: 75 Resp: 126610
 Ion Ratio Lower Upper
 75 100
 110 30.8 19.1 57.1
 77 33.5 25.6 38.4





#37

Ethyl Acetate

Concen: 20.854 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.04 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD02

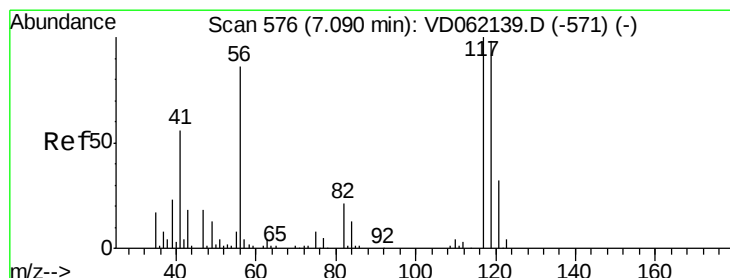
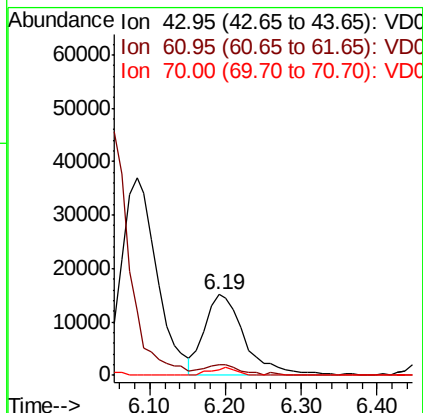
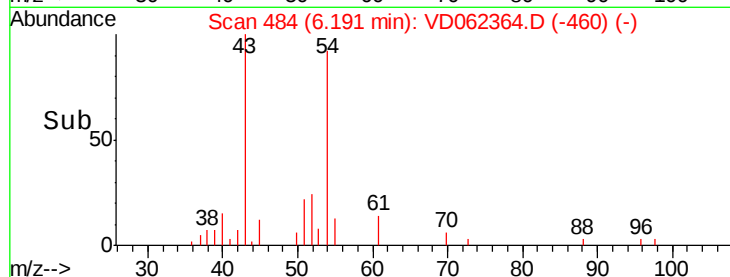
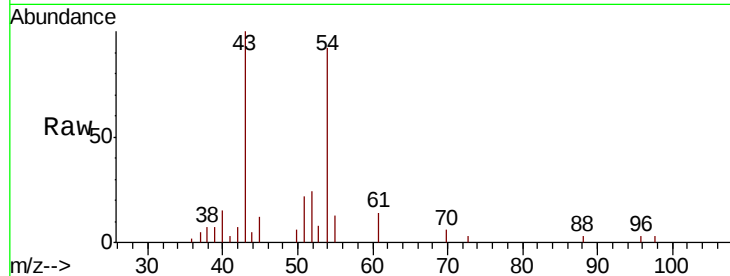
Tgt Ion: 43 Resp: 55835

Ion Ratio Lower Upper

43 100

61 13.8 14.7 22.1#

70 6.5 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 23.395 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.04 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

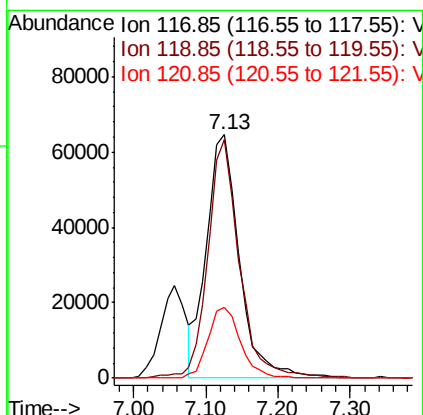
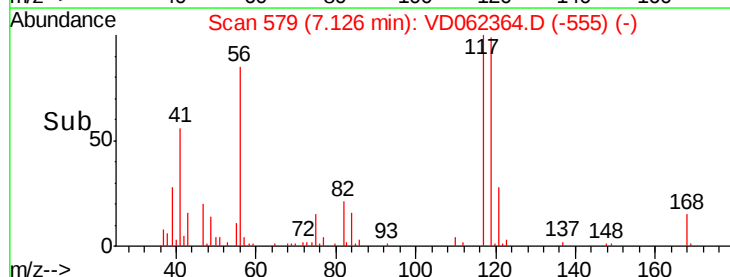
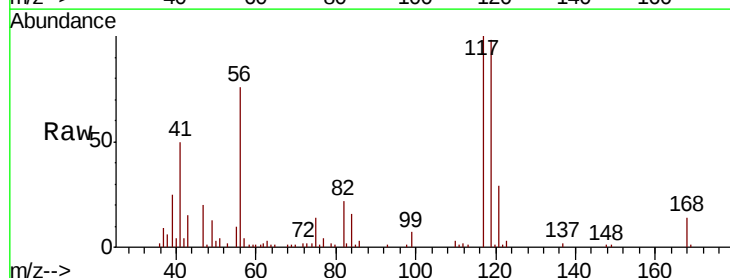
Tgt Ion: 117 Resp: 204432

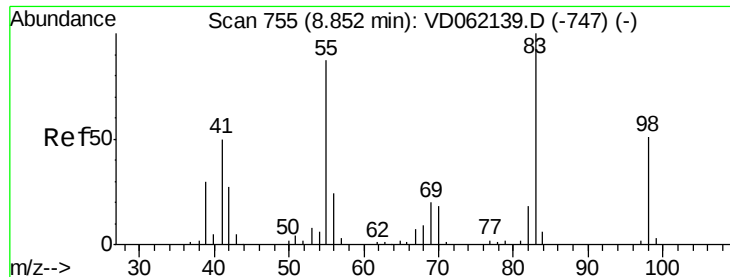
Ion Ratio Lower Upper

117 100

119 97.7 75.8 113.8

121 29.3 25.9 38.9

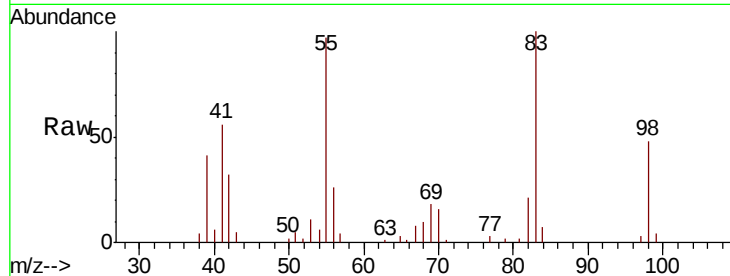




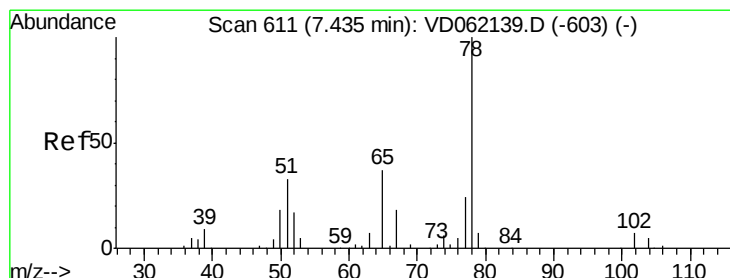
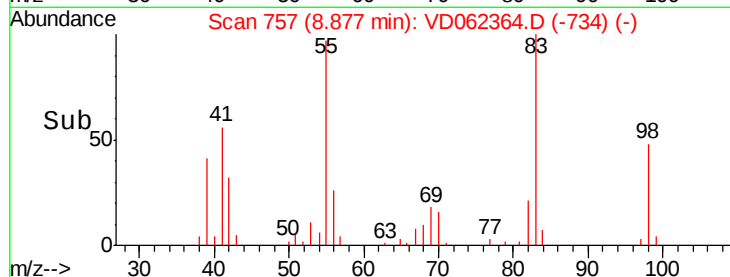
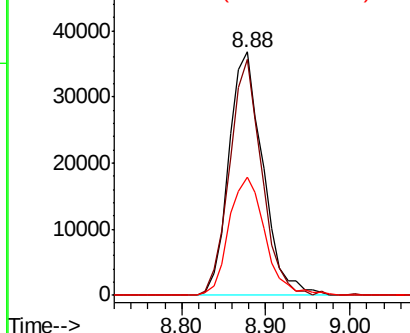
#39
Methylcyclohexane
Concen: 17.117 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.03 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS02

Tgt Ion: 83 Resp: 103538
Ion Ratio Lower Upper
83 100
55 96.9 68.2 102.4
98 48.4 38.2 57.4

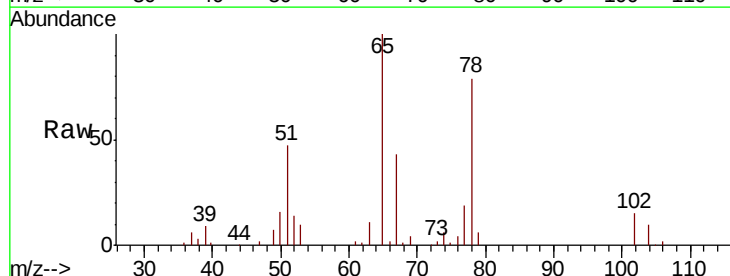


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

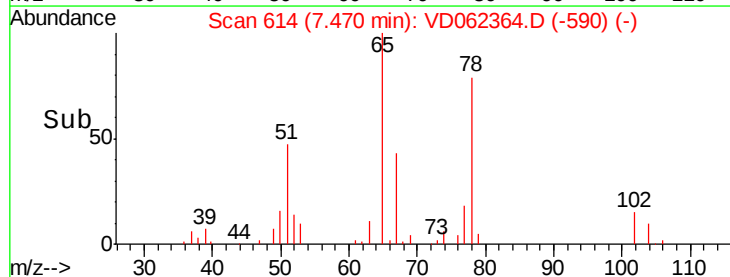
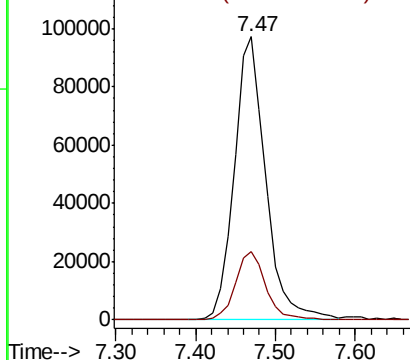


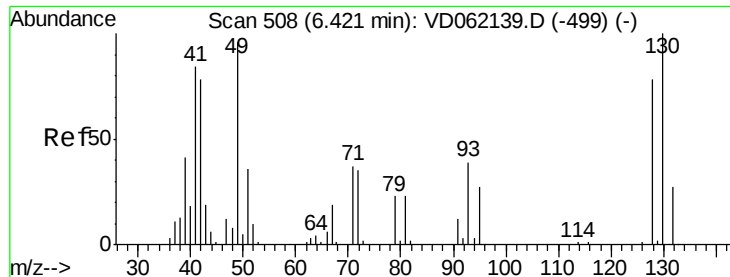
#40
Benzene
Concen: 18.590 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 78 Resp: 265023
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5



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

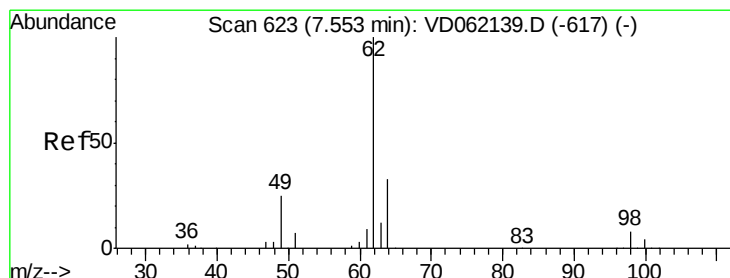
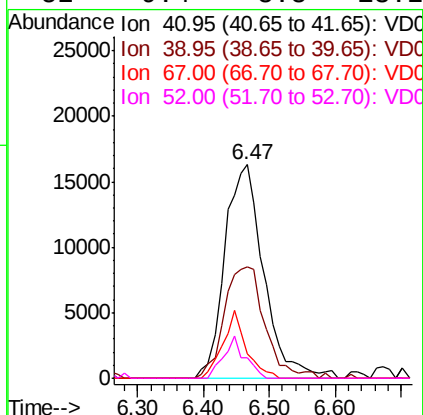
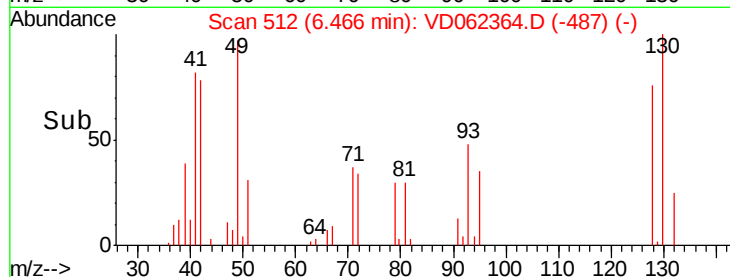
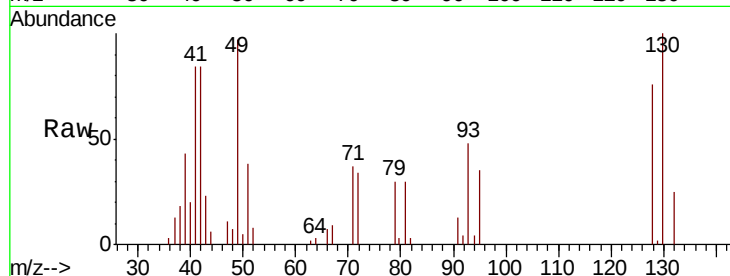




#41
Methacrylonitrile
Concen: 20.567 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

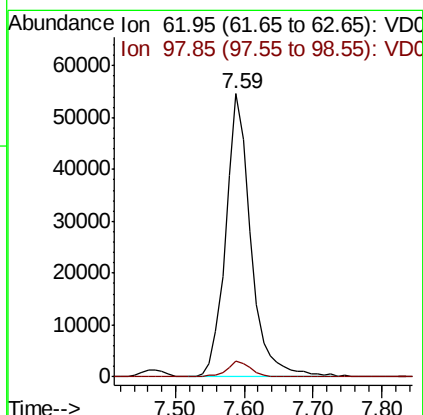
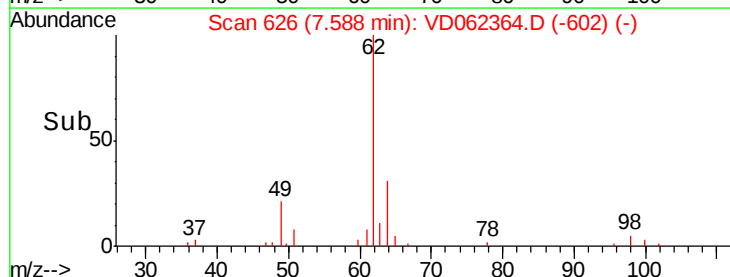
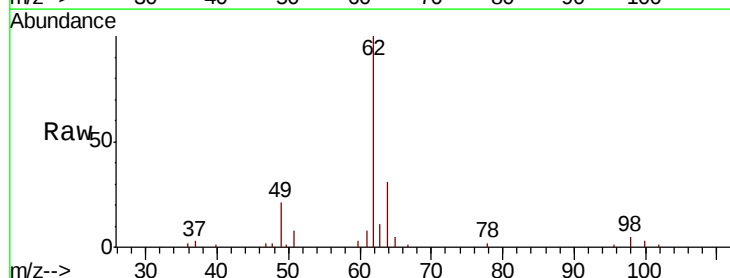
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

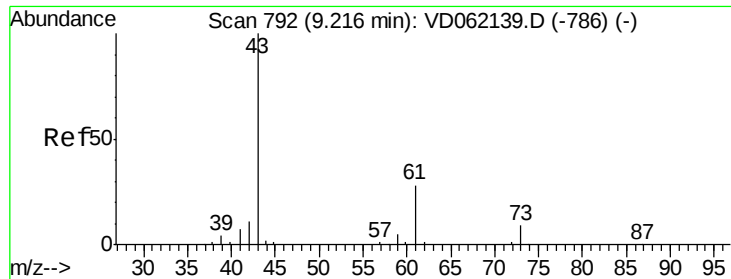
Tgt Ion: 41 Resp: 67292
Ion Ratio Lower Upper
41 100
39 51.9 34.1 51.1#
67 11.2 23.8 35.6#
52 9.4 8.8 13.2



#42
1,2-Dichloroethane
Concen: 22.826 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 62 Resp: 137874
Ion Ratio Lower Upper
62 100
98 5.4 0.0 17.8



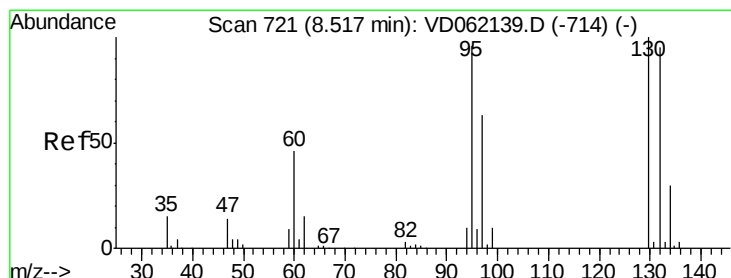
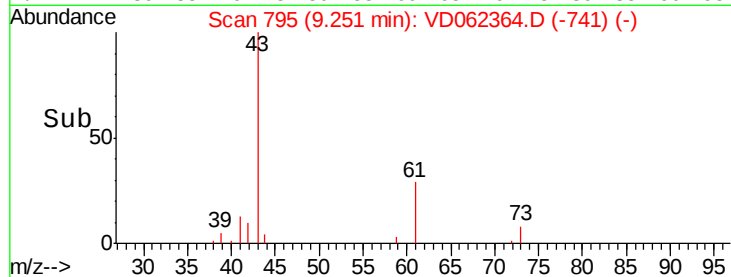
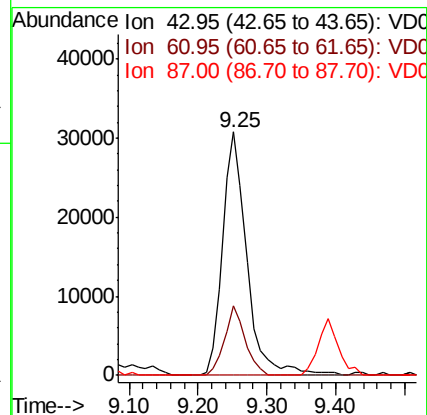
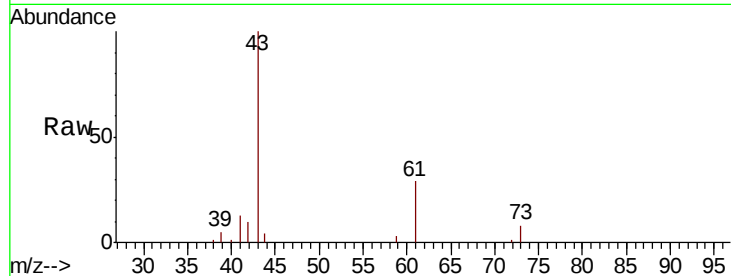


#43

Isopropyl Acetate
 Concen: 19.659 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.04 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

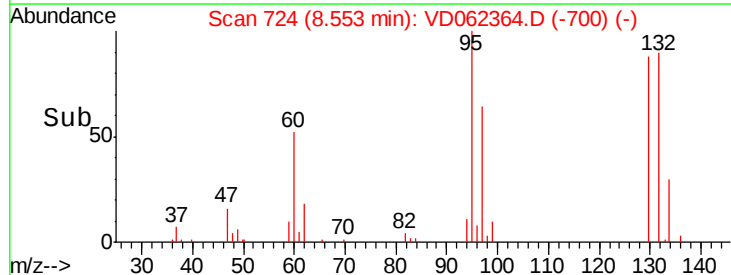
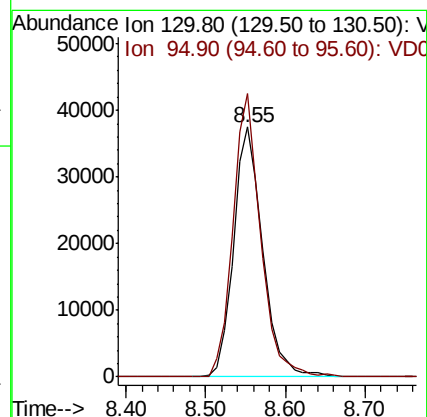
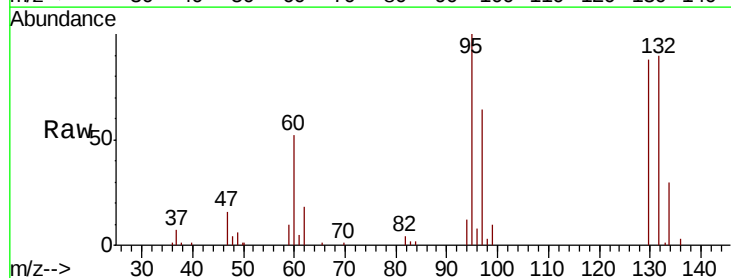
Tgt Ion: 43 Resp: 74648
 Ion Ratio Lower Upper
 43 100
 61 28.7 25.1 37.7
 87 0.0 0.0 0.0

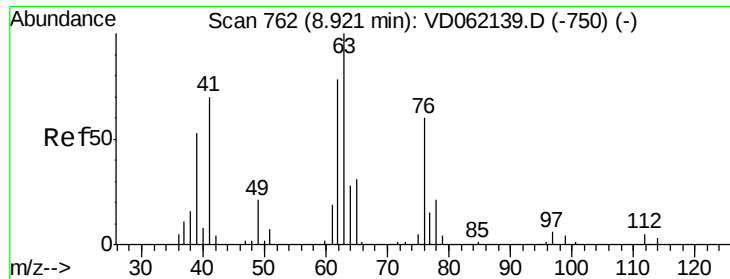


#44

Trichloroethene
 Concen: 17.544 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.04 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion: 130 Resp: 95308
 Ion Ratio Lower Upper
 130 100
 95 113.4 0.0 174.0

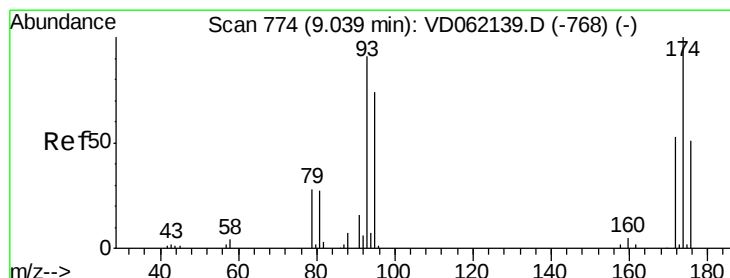
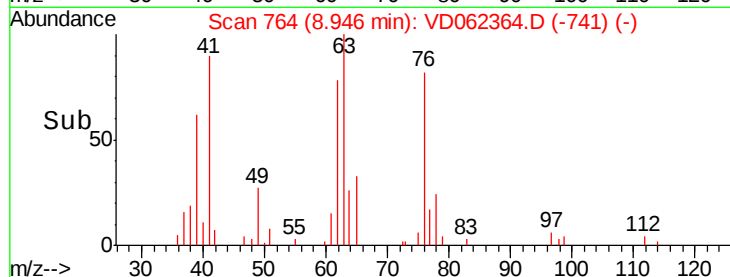
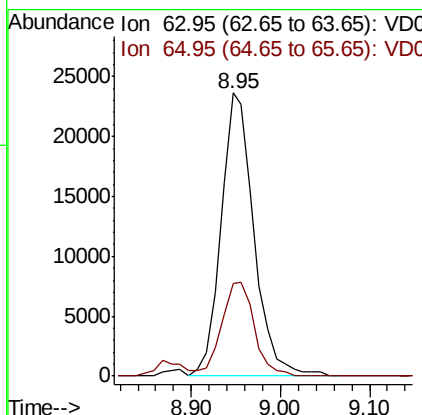
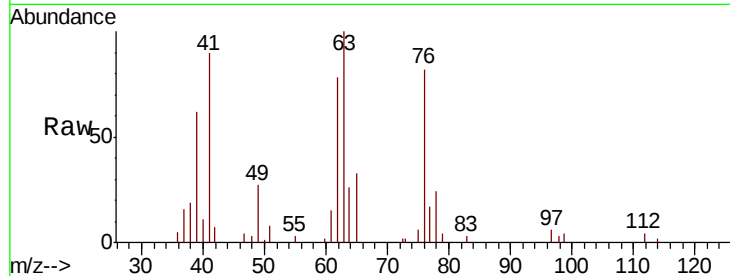




#45
 1,2-Dichloropropane
 Concen: 17.304 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.03 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

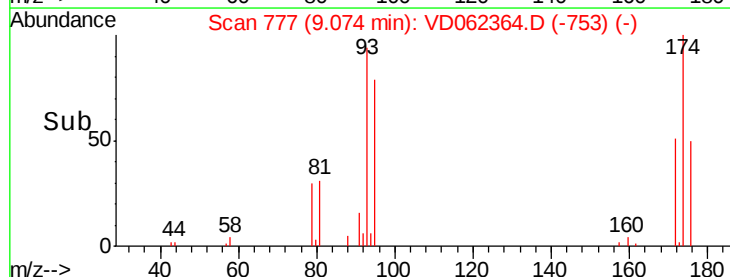
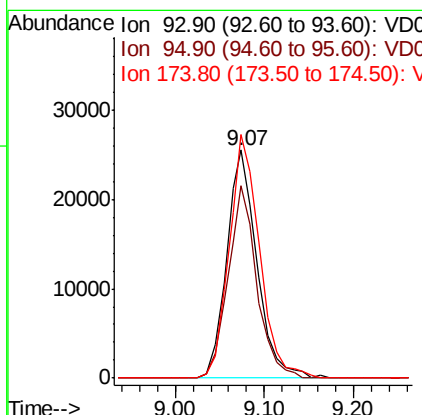
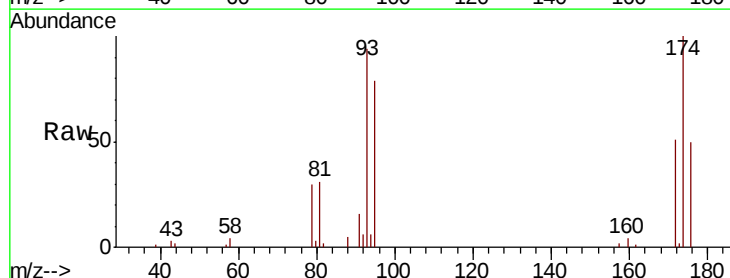
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0514SBSD02

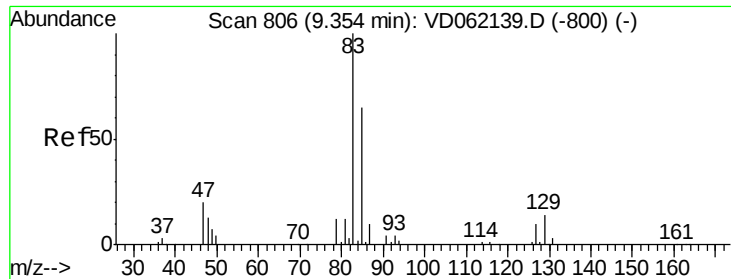
Tgt Ion: 63 Resp: 61019
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.8 35.6



#46
 Dibromomethane
 Concen: 21.090 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.04 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion: 93 Resp: 60476
 Ion Ratio Lower Upper
 93 100
 95 84.4 64.8 97.2
 174 106.8 79.3 118.9





#47

Bromodichloromethane

Concen: 20.746 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.04 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS02

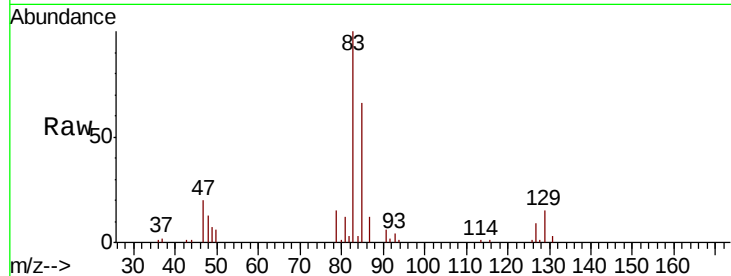
Tgt Ion: 83 Resp: 145513

Ion Ratio Lower Upper

83 100

85 65.9 50.9 76.3

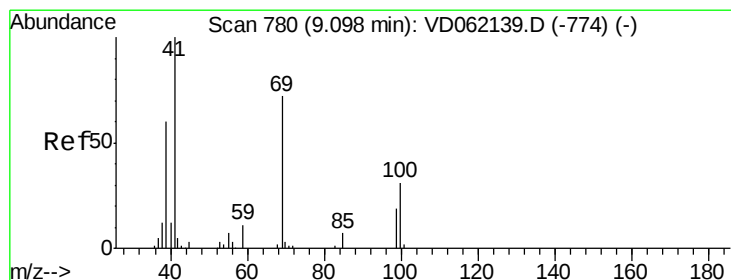
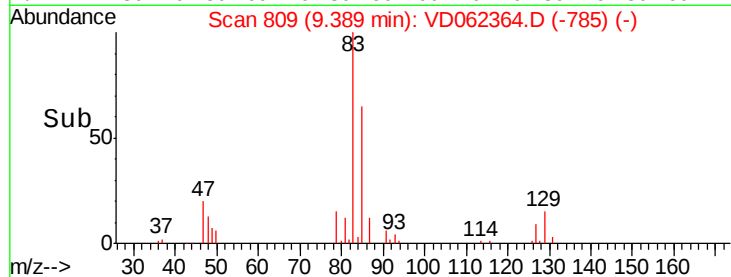
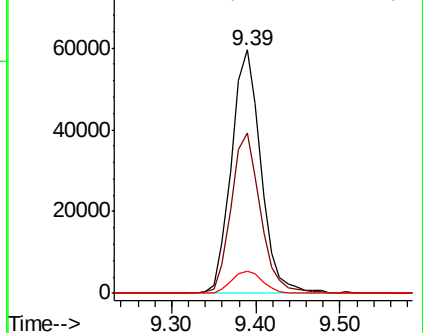
127 9.2 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.355 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.04 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

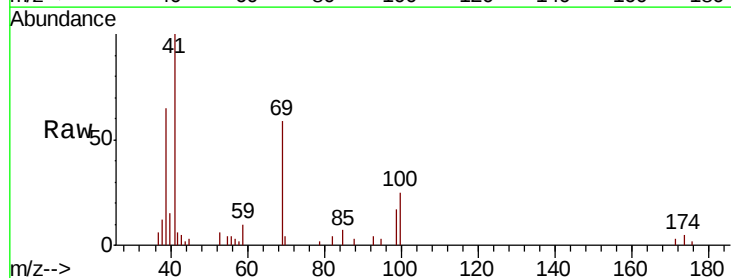
Tgt Ion: 41 Resp: 52285

Ion Ratio Lower Upper

41 100

69 58.6 64.2 96.2#

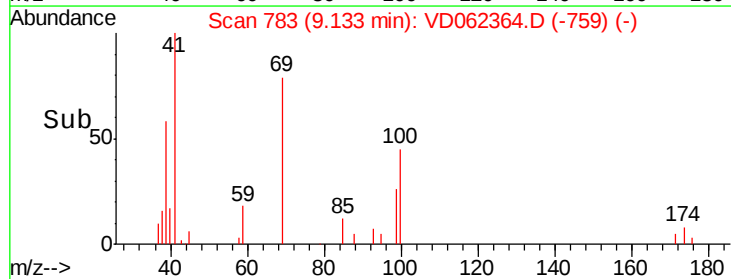
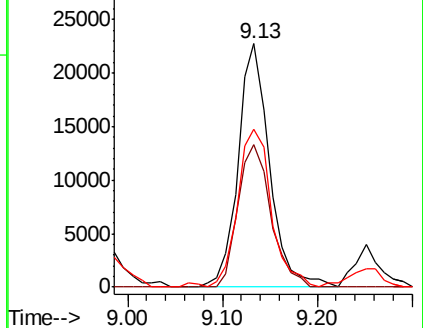
39 64.9 46.8 70.2

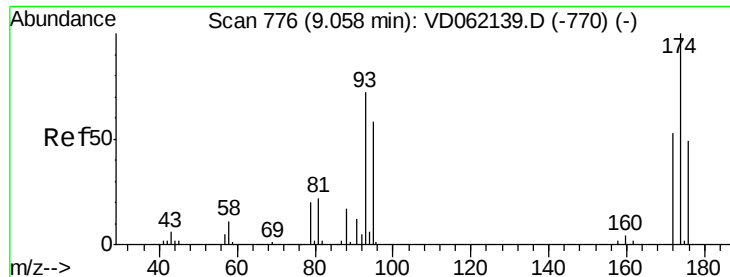


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

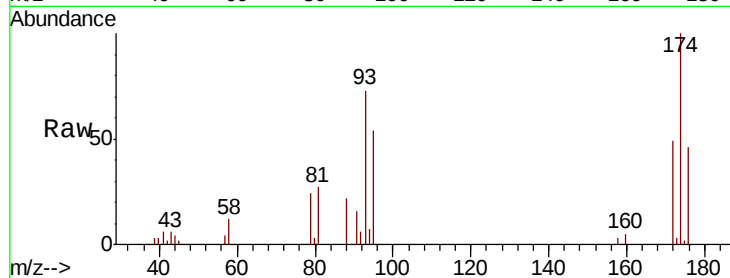




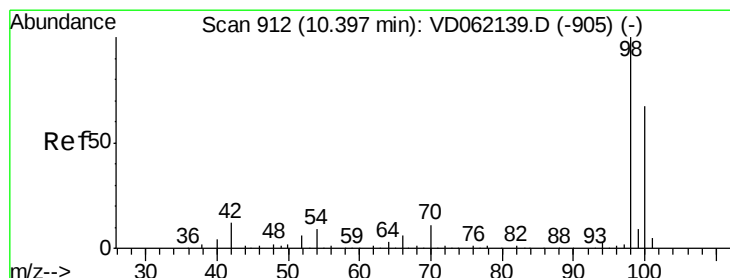
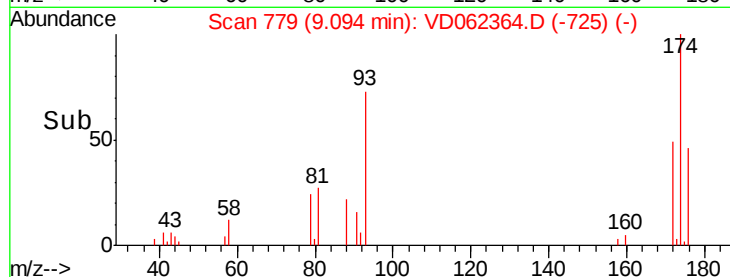
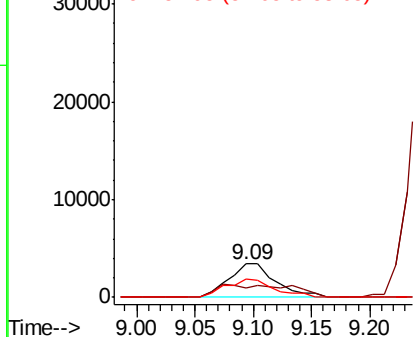
#49
1,4-Dioxane
Concen: 373.163 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

Tgt Ion: 88 Resp: 9417
Ion Ratio Lower Upper
88 100
43 28.3 23.4 35.0
58 56.0 44.0 66.0

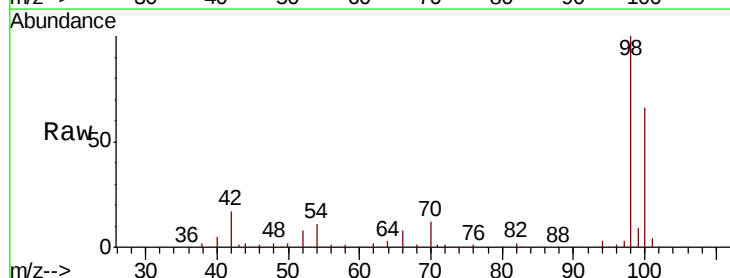


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

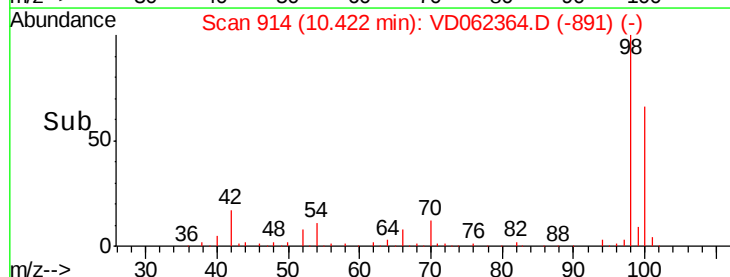
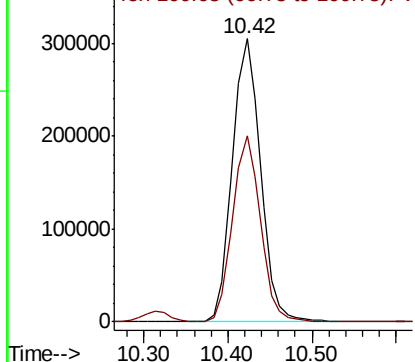


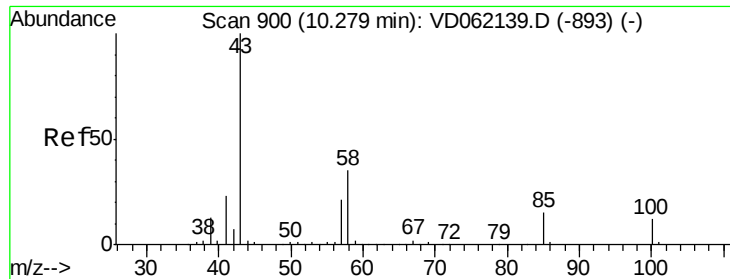
#50
Toluene-d8
Concen: 46.492 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 98 Resp: 716170
Ion Ratio Lower Upper
98 100
100 65.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

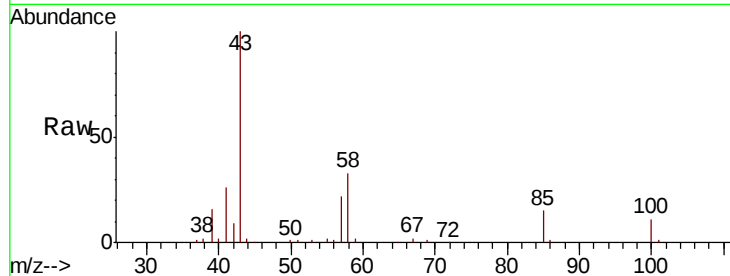




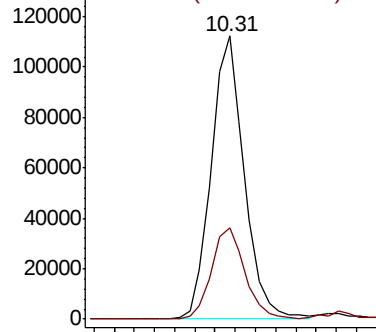
#51
 4-Methyl-2-Pentanone
 Concen: 104.832 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.04 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

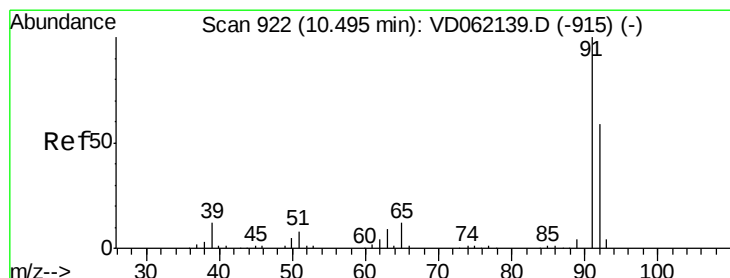
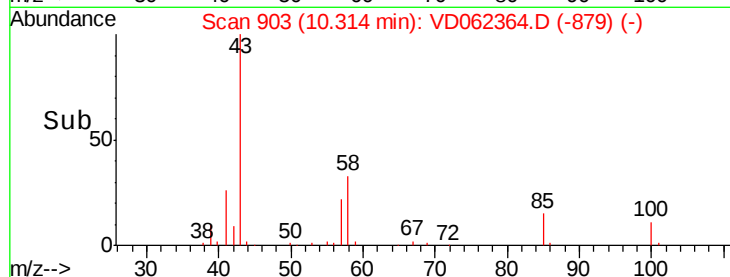
Tgt Ion: 43 Resp: 255879
 Ion Ratio Lower Upper
 43 100
 58 32.5 30.4 45.6



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

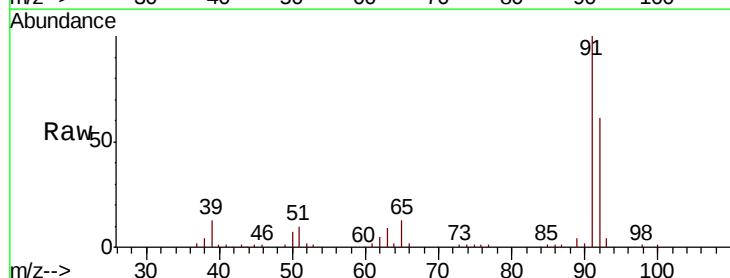


Time-->

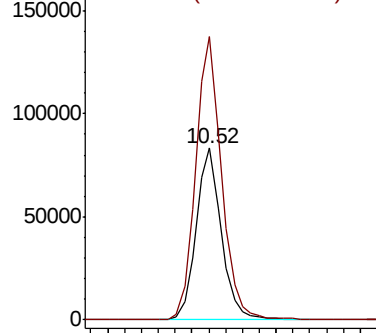


#52
 Toluene
 Concen: 18.563 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.03 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

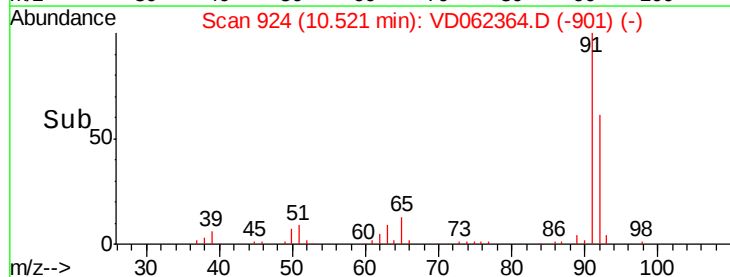
Tgt Ion: 92 Resp: 172190
 Ion Ratio Lower Upper
 92 100
 91 165.0 136.6 204.8

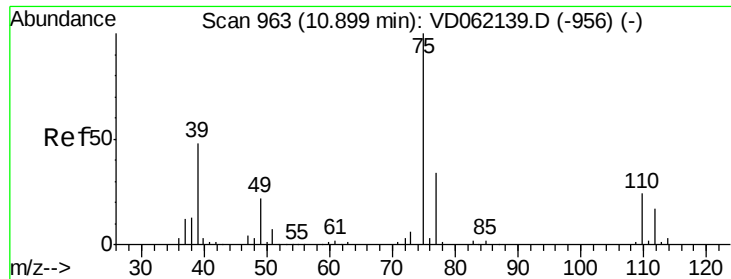


Abundance Ion 92.00 (91.70 to 92.70): VDC
 Ion 91.00 (90.70 to 91.70): VDC



Time-->

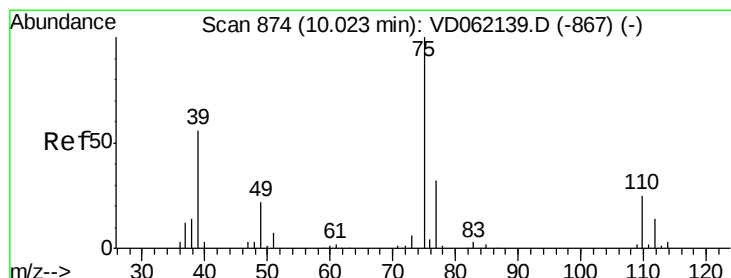
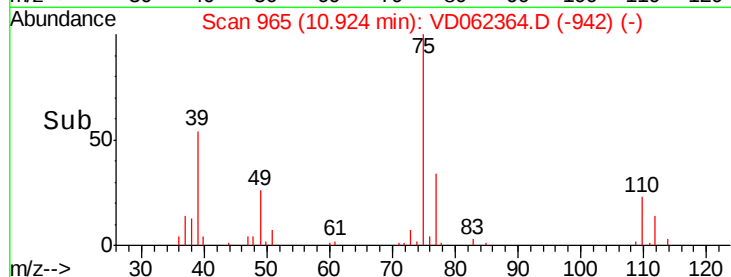
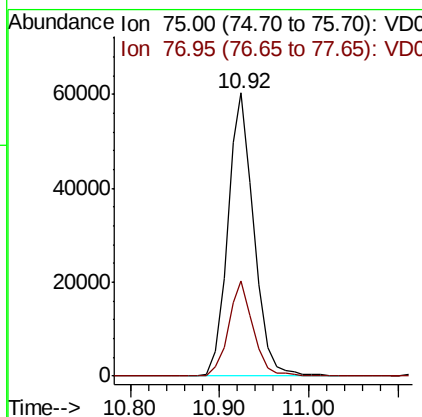
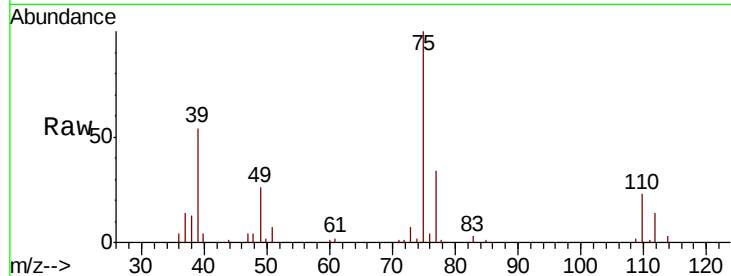




#53
 t-1,3-Dichloropropene
 Concen: 20.355 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.03 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

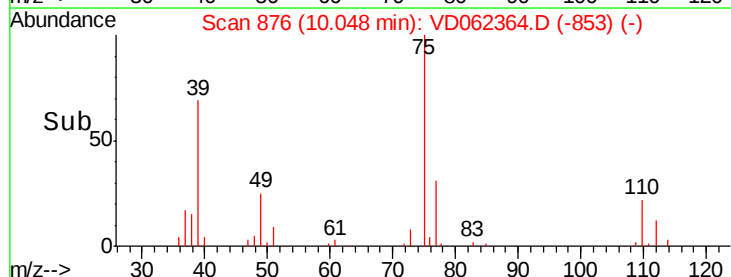
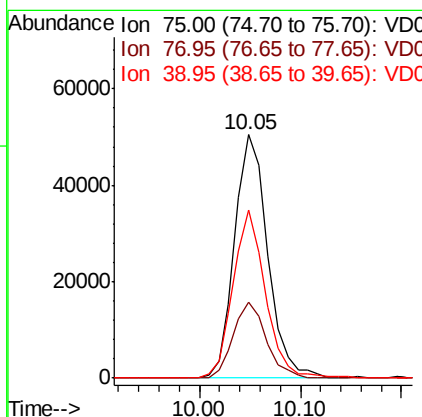
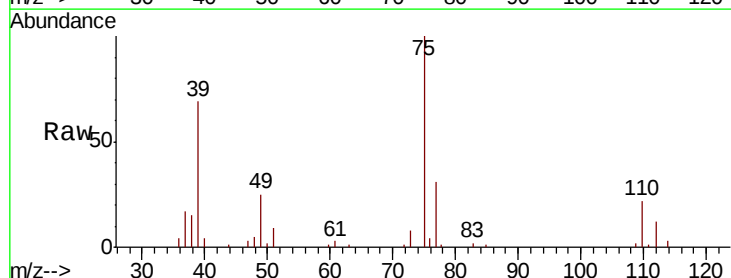
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

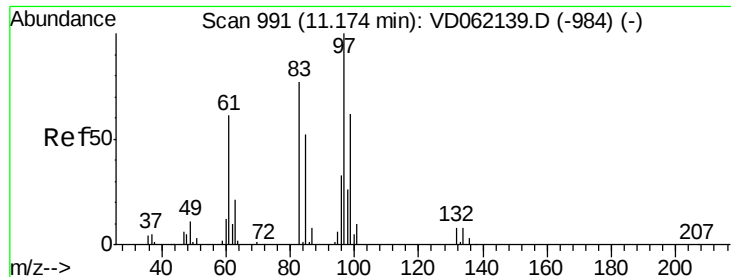
Tgt Ion: 75 Resp: 123394
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 17.436 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.03 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion: 75 Resp: 115311
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.5 38.3
 39 69.3 39.4 59.2#

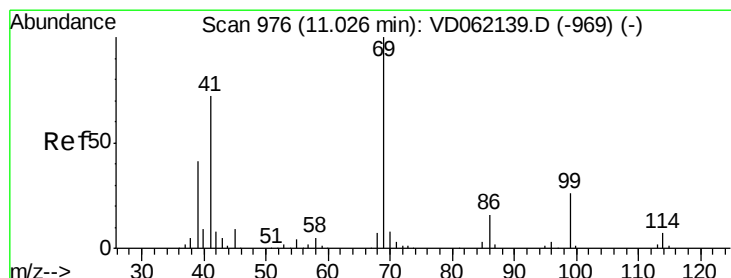
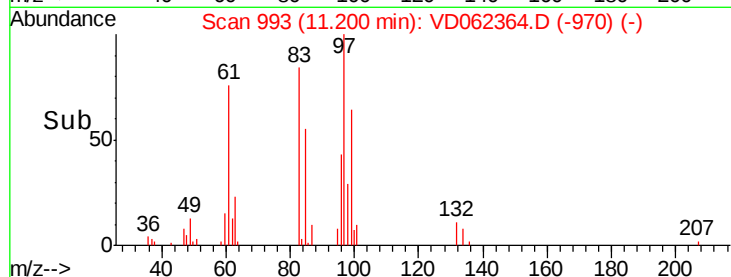
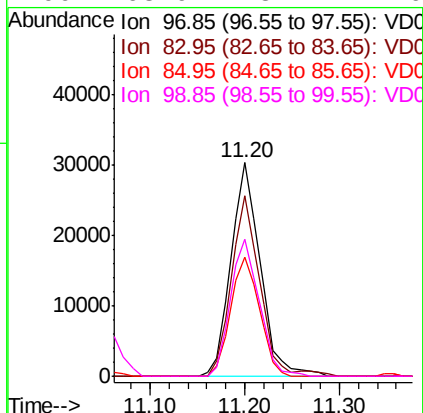
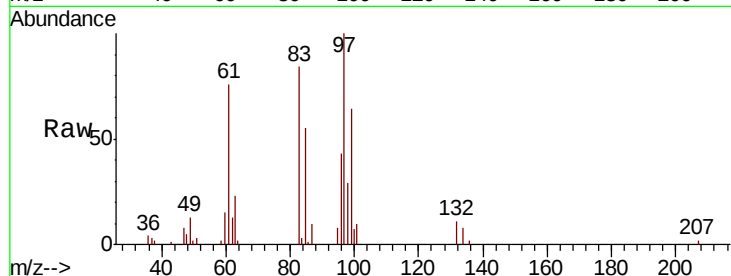




#55
 1,1,2-Trichloroethane
 Concen: 19.870 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.03 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

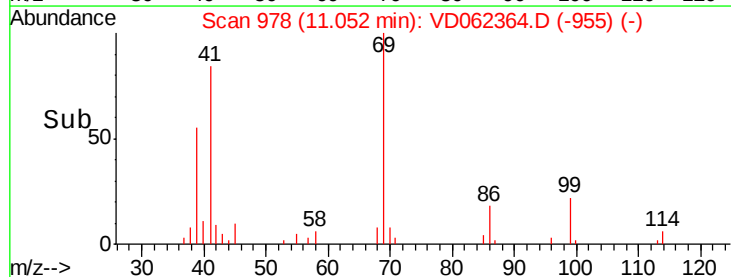
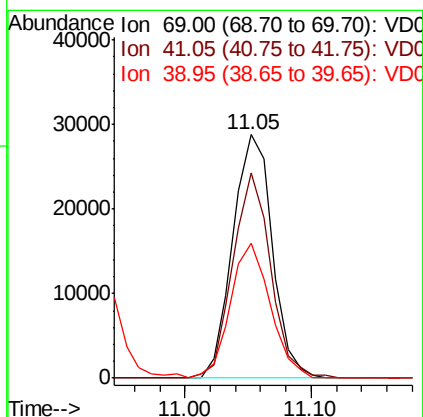
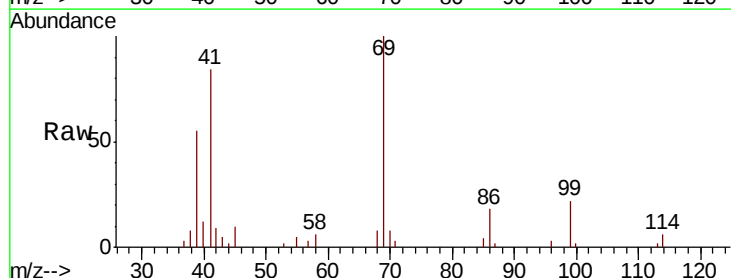
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

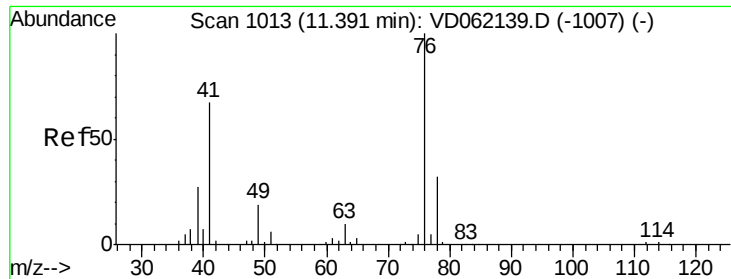
Tgt Ion:	97	Resp:	65213
Ion	Ratio	Lower	Upper
97	100		
83	84.4	65.7	98.5
85	56.5	45.6	68.4
99	63.9	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 18.261 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.03 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion:	69	Resp:	62277
Ion	Ratio	Lower	Upper
69	100		
41	84.0	56.3	84.5
39	55.3	29.4	44.2#

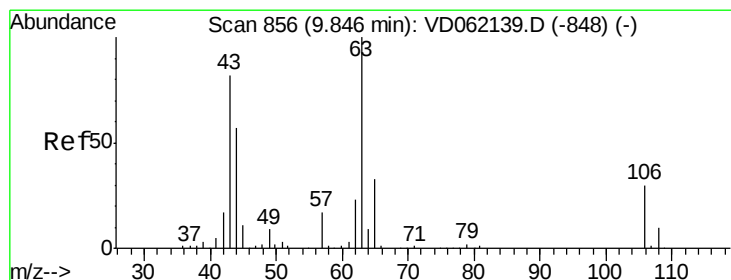
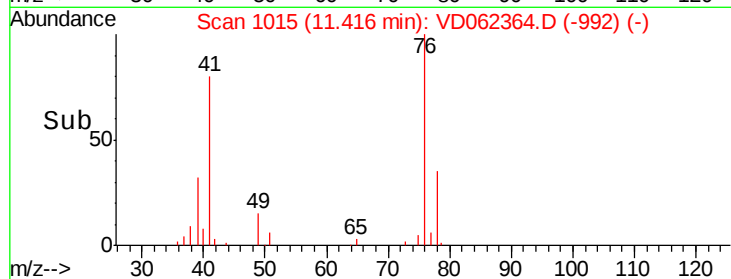
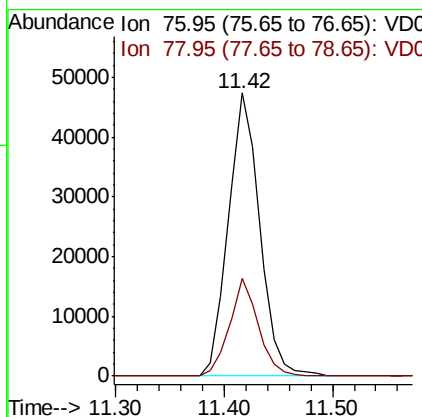
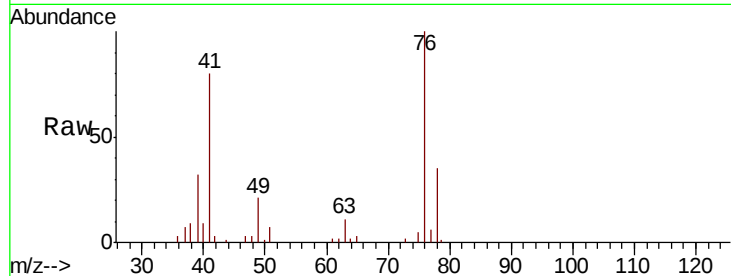




#57
 1,3-Dichloropropane
 Concen: 19.218 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.03 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

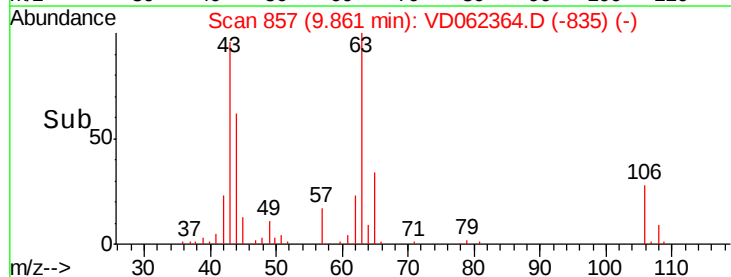
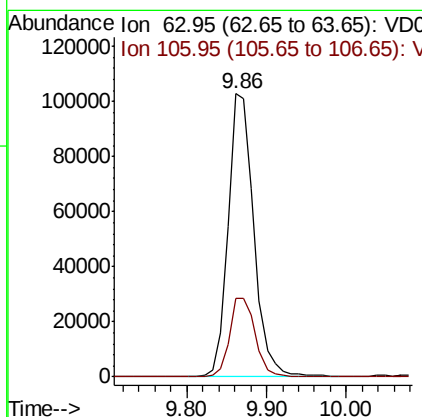
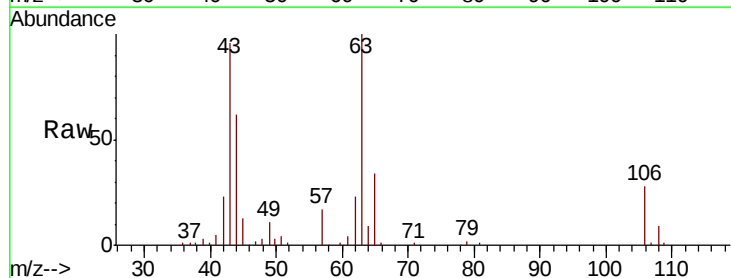
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

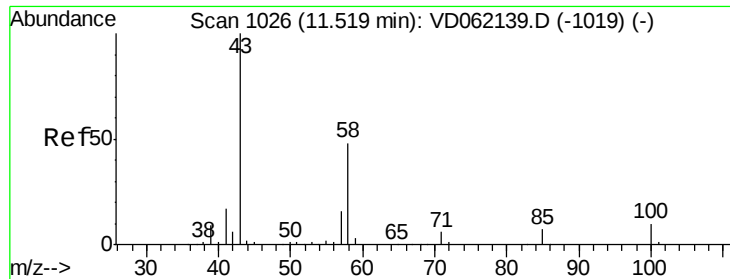
Tgt Ion: 76 Resp: 95287
 Ion Ratio Lower Upper
 76 100
 78 34.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.863 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion: 63 Resp: 232608
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.6 34.0

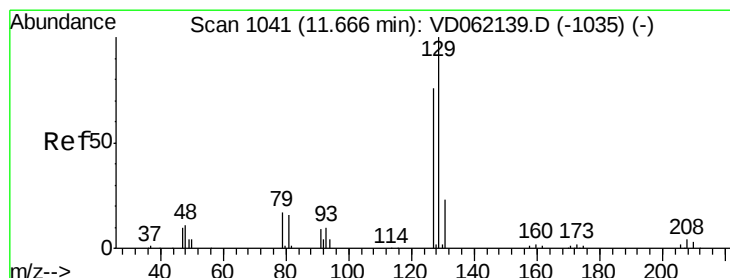
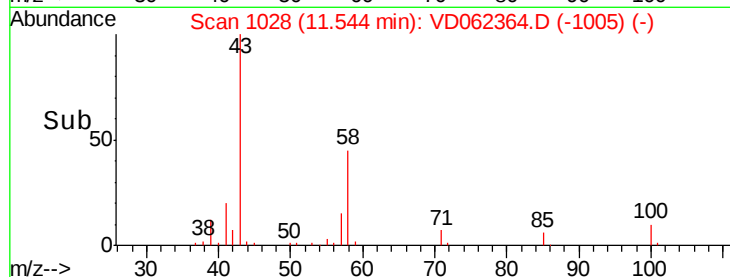
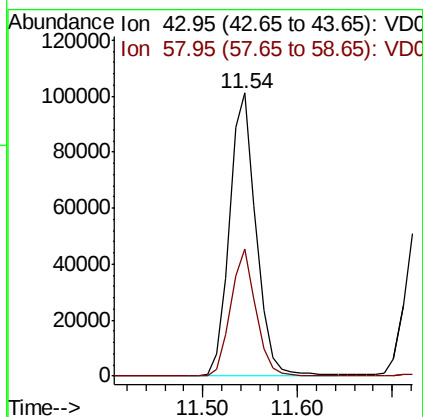
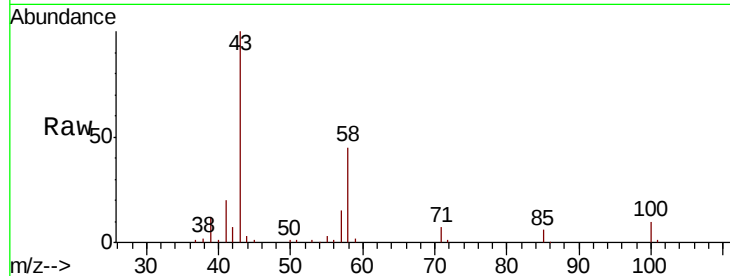




#59
2-Hexanone
Concen: 109.439 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.03 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

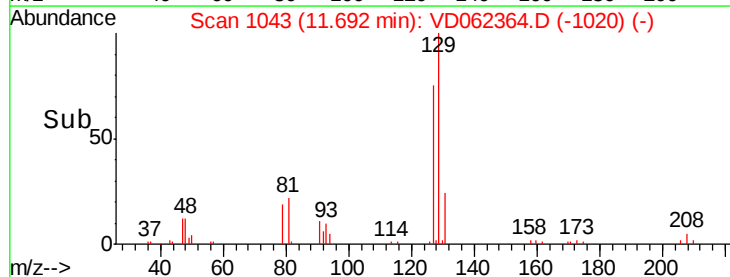
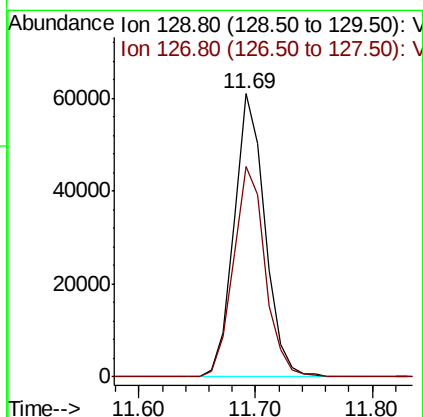
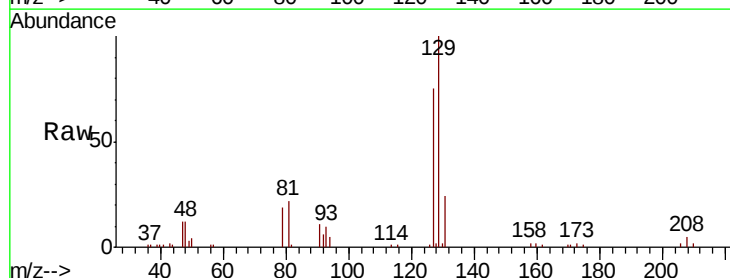
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

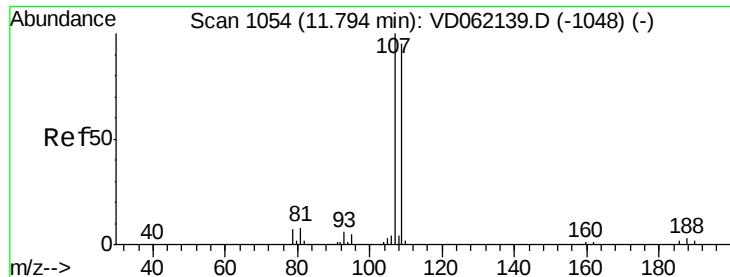
Tgt Ion: 43 Resp: 196881
Ion Ratio Lower Upper
43 100
58 44.8 25.4 76.4



#60
Dibromochloromethane
Concen: 19.699 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.03 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 129 Resp: 111733
Ion Ratio Lower Upper
129 100
127 74.5 38.0 113.9

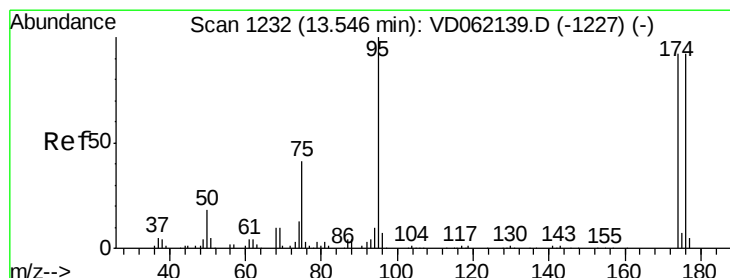
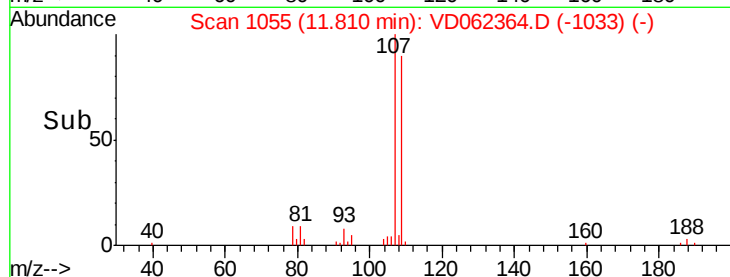
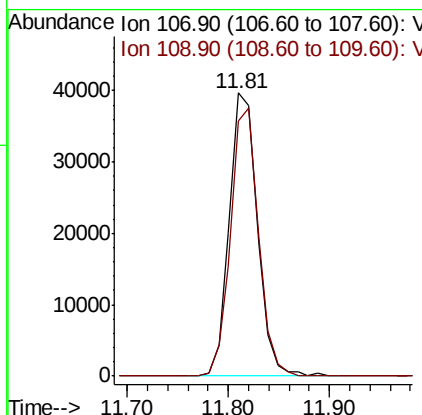
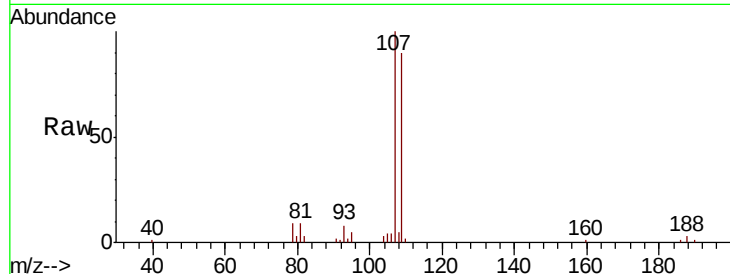




#61
 1,2-Dibromoethane
 Concen: 19.196 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

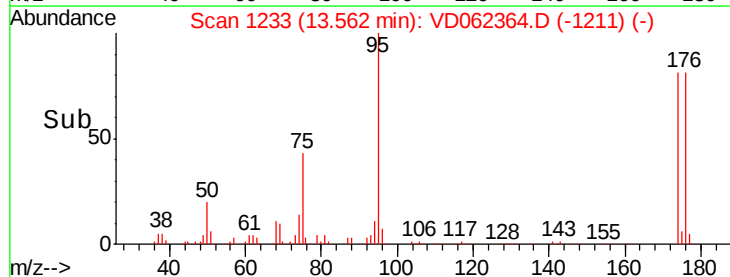
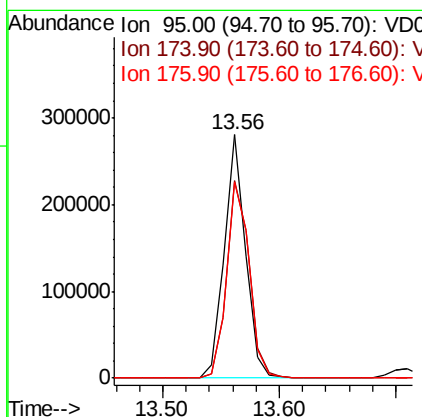
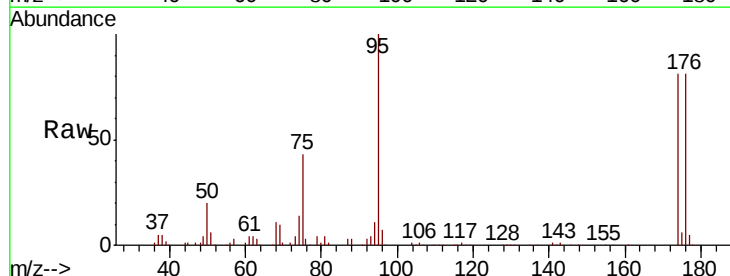
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

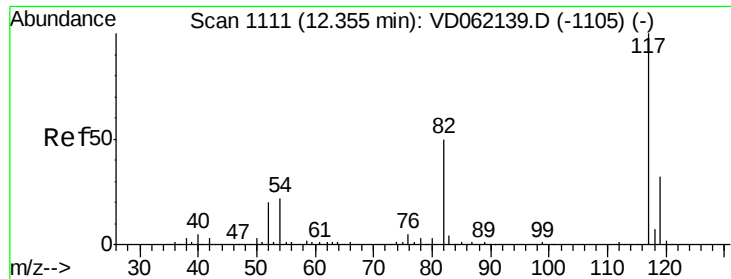
Tgt Ion: 107 Resp: 76595
 Ion Ratio Lower Upper
 107 100
 109 90.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 57.044 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion: 95 Resp: 352855
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 181.8
 176 80.6 0.0 174.4

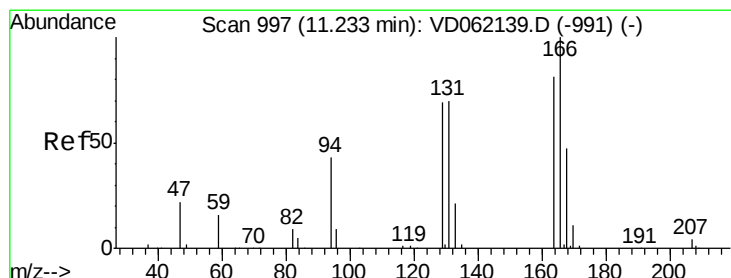
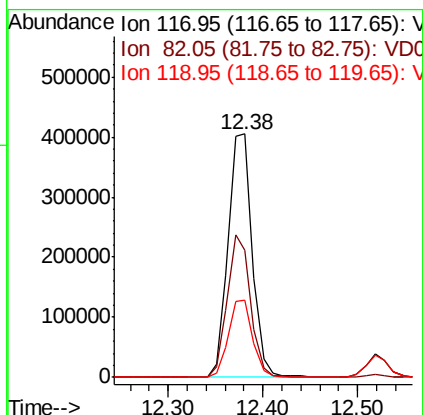
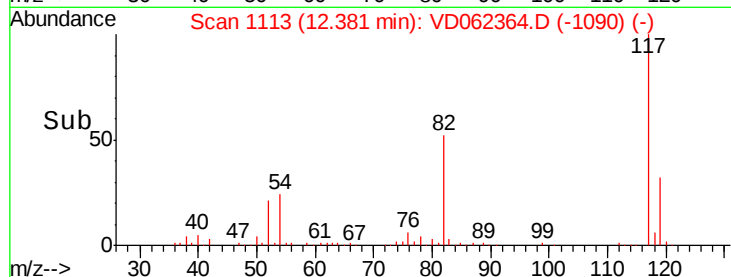
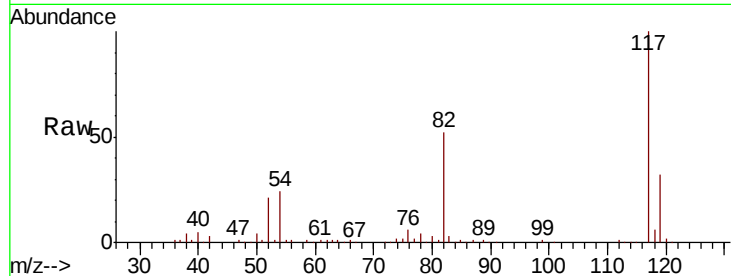




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

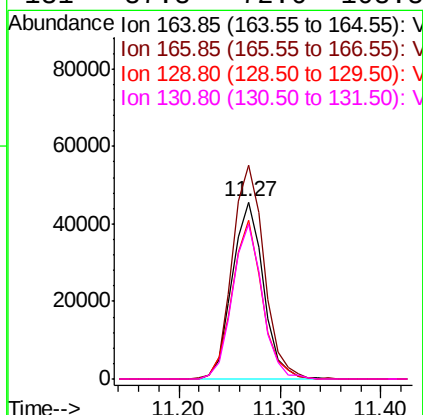
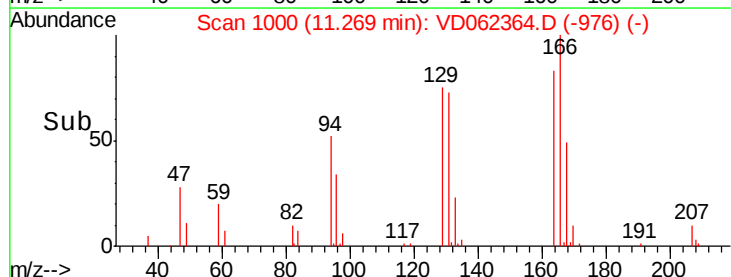
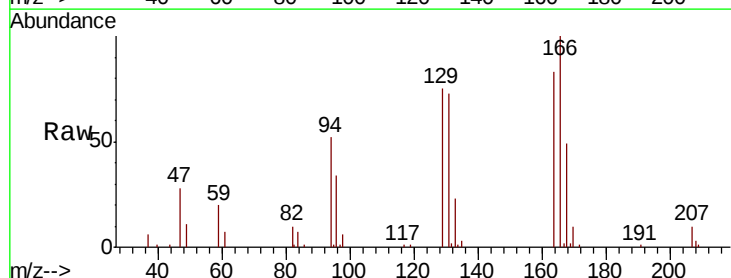
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

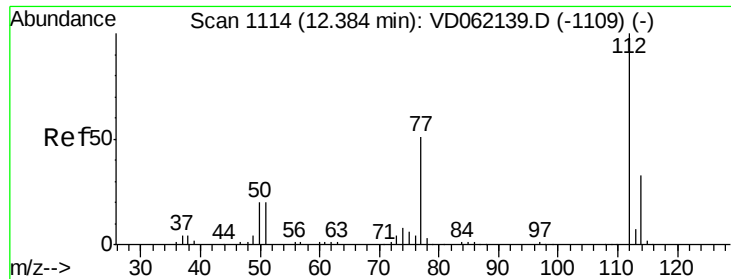
Tgt Ion:117 Resp: 717021
Ion Ratio Lower Upper
117 100
82 52.2 36.2 54.2
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 17.445 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.04 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion:164 Resp: 97812
Ion Ratio Lower Upper
164 100
166 120.9 101.5 152.3
129 90.1 74.6 112.0
131 87.8 72.6 108.8

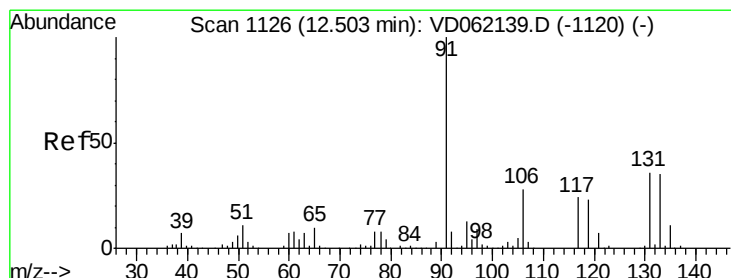
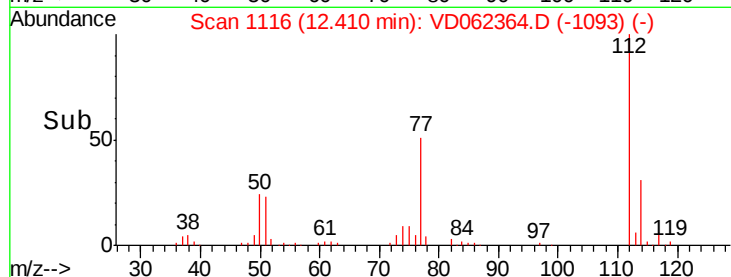
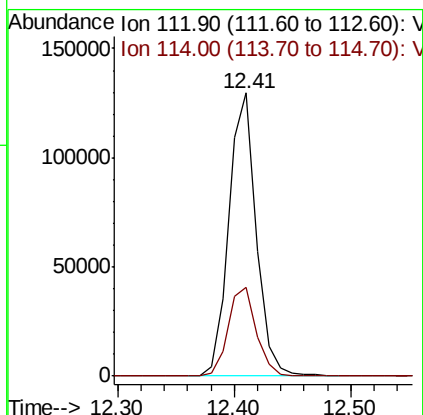
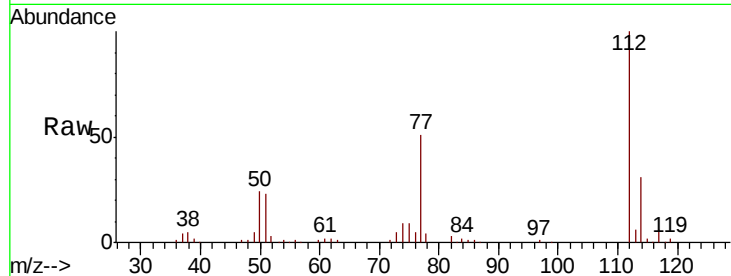




#65
Chlorobenzene
Concen: 15.722 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.03 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

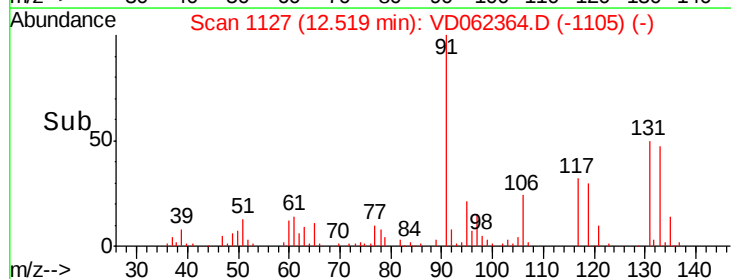
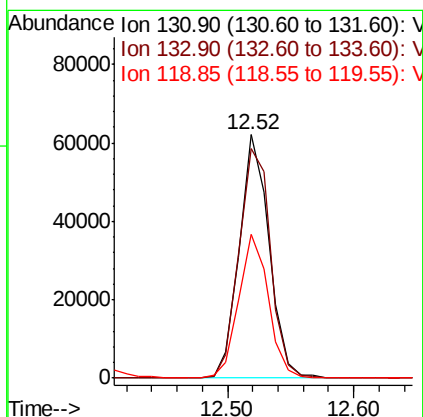
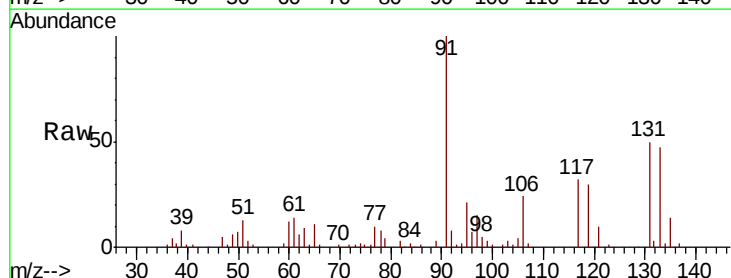
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

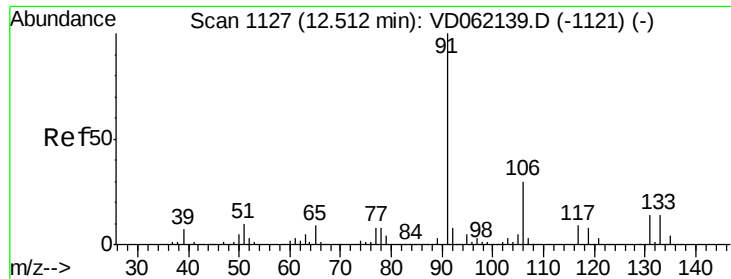
Tgt Ion:112 Resp: 209960
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.400 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion:131 Resp: 101130
Ion Ratio Lower Upper
131 100
133 94.1 48.6 145.8
119 58.9 34.7 104.1

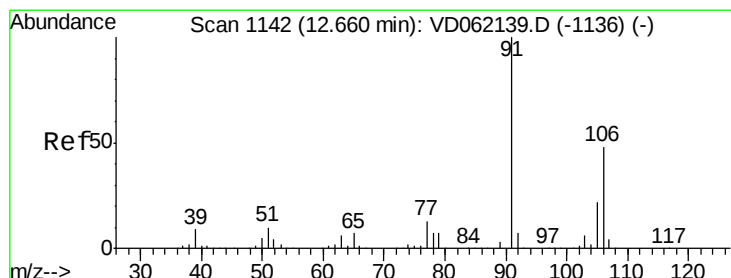
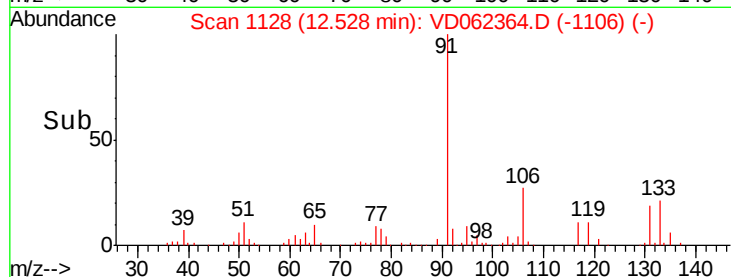
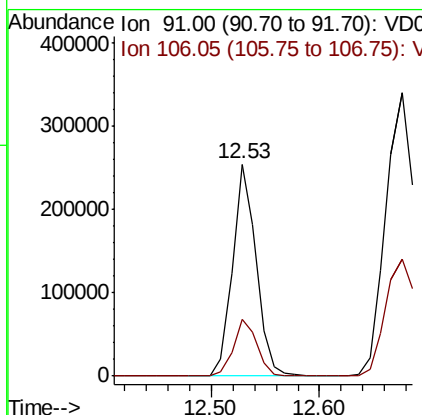
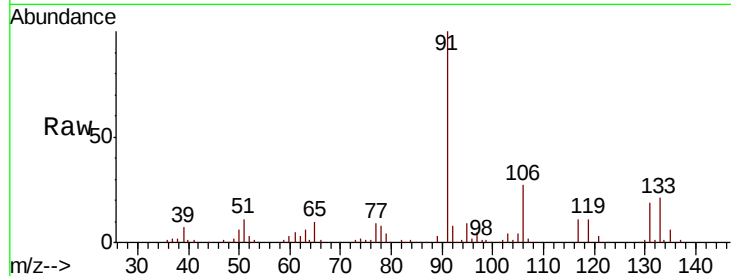




#67
Ethyl Benzene
Concen: 17.307 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

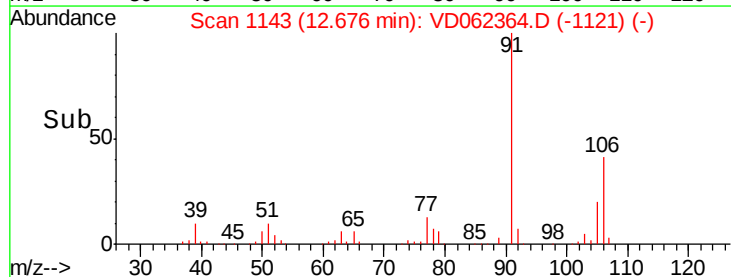
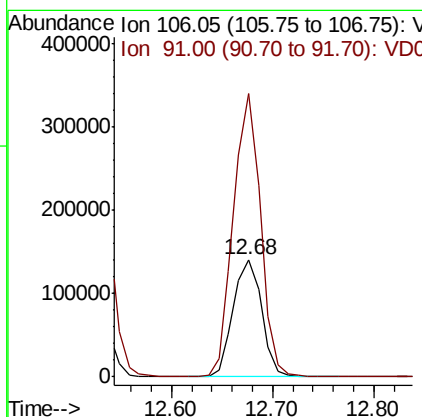
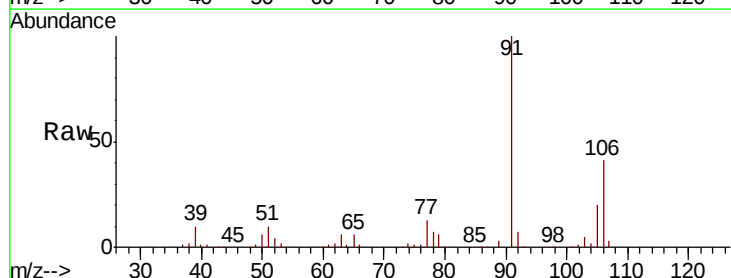
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

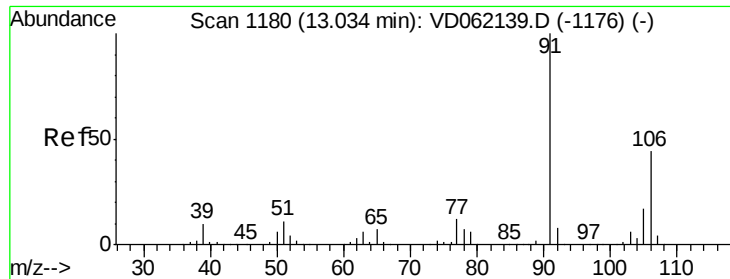
Tgt Ion: 91 Resp: 386952
Ion Ratio Lower Upper
91 100
106 26.7 24.7 37.1



#68
m/p-Xylenes
Concen: 34.075 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 106 Resp: 277179
Ion Ratio Lower Upper
106 100
91 241.2 164.0 246.0

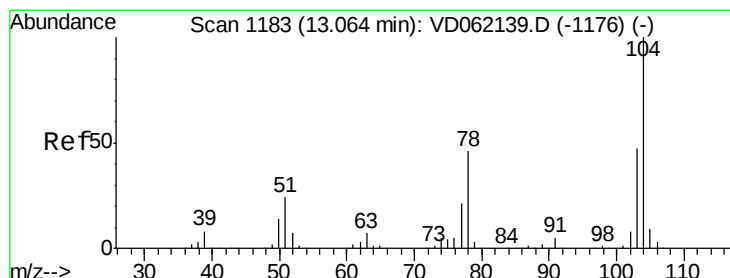
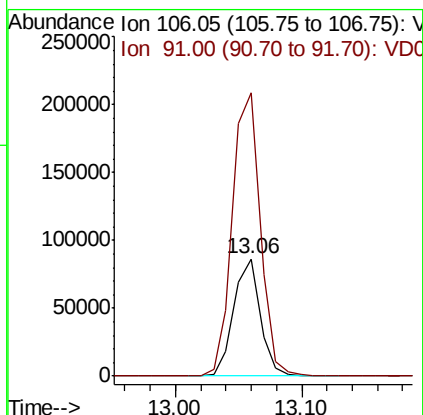
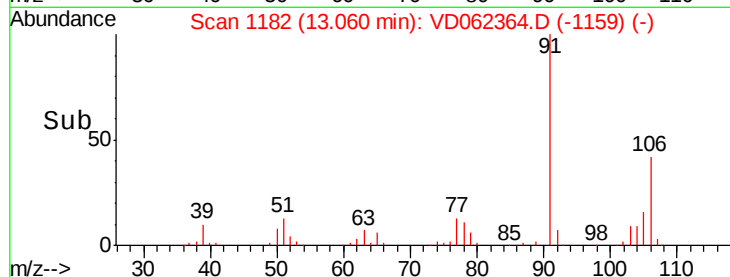
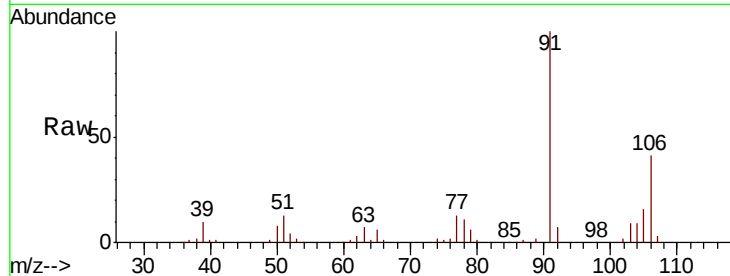




#69
o-Xylene
Concen: 16.617 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.03 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

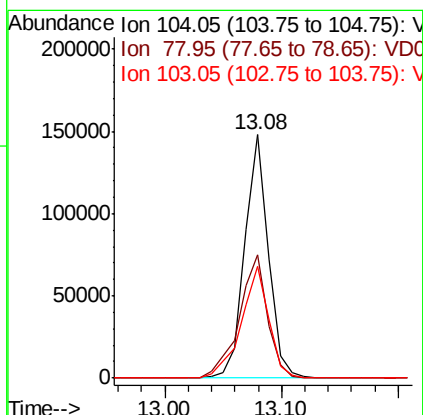
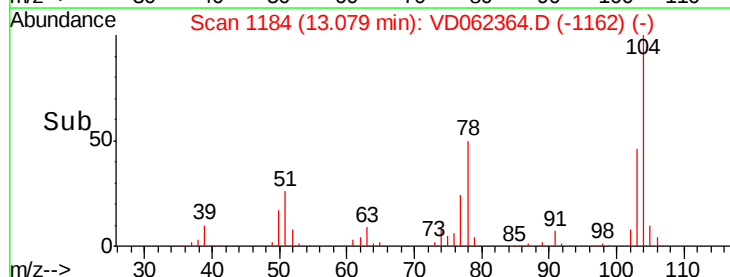
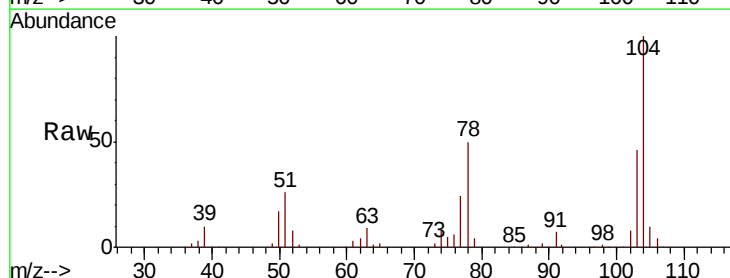
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

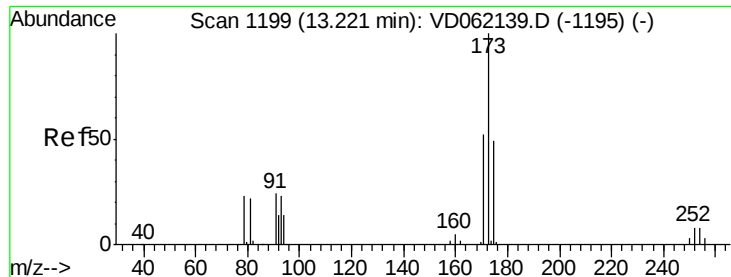
Tgt Ion:106 Resp: 125665
Ion Ratio Lower Upper
106 100
91 241.2 106.7 319.9



#70
Styrene
Concen: 16.172 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion:104 Resp: 207180
Ion Ratio Lower Upper
104 100
78 50.5 35.4 53.2
103 46.0 37.5 56.3





#71

Bromoform

Concen: 17.177 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.03 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD02

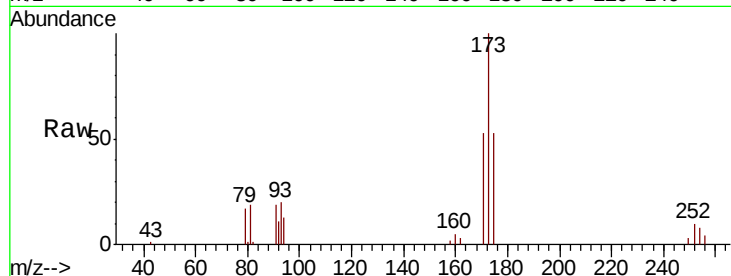
Tgt Ion:173 Resp: 69459

Ion Ratio Lower Upper

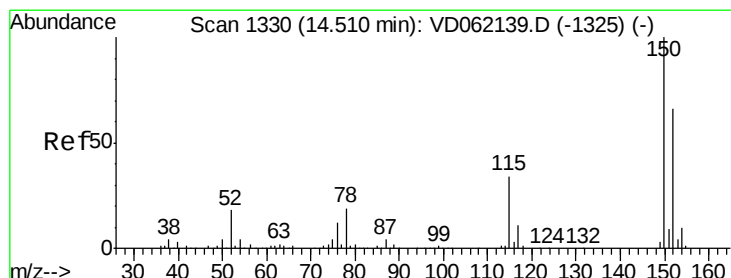
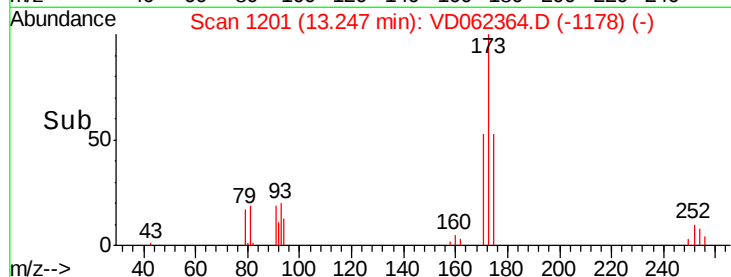
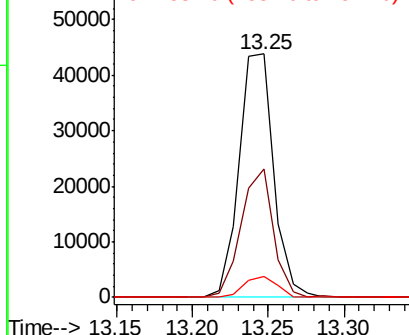
173 100

175 52.6 24.4 73.4

254 8.5 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: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

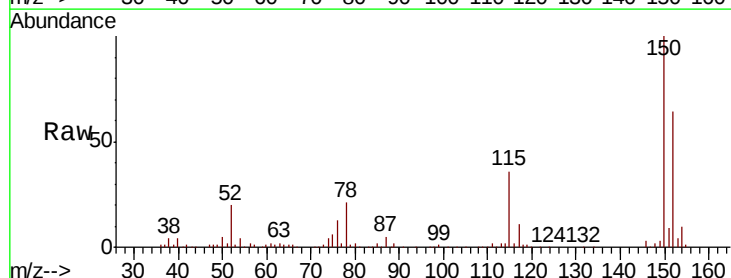
Tgt Ion:152 Resp: 333014

Ion Ratio Lower Upper

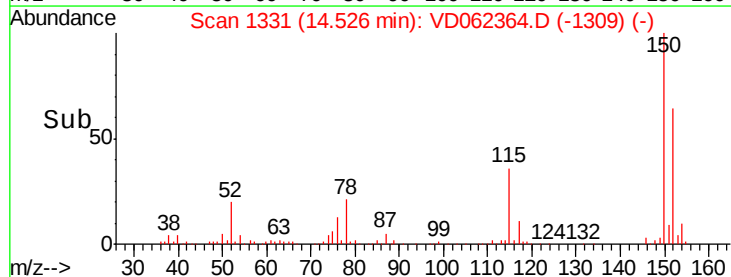
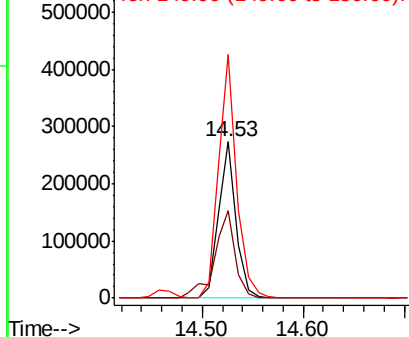
152 100

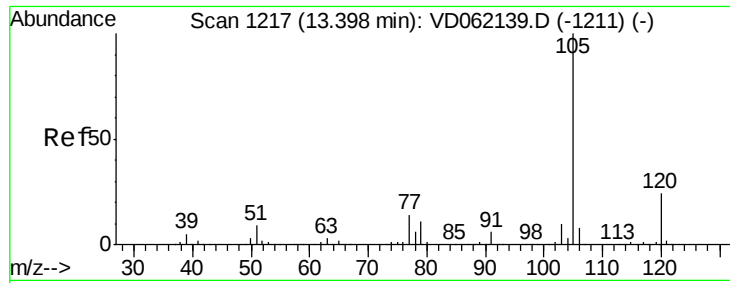
115 56.0 30.9 92.7

150 156.0 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: 18.809 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

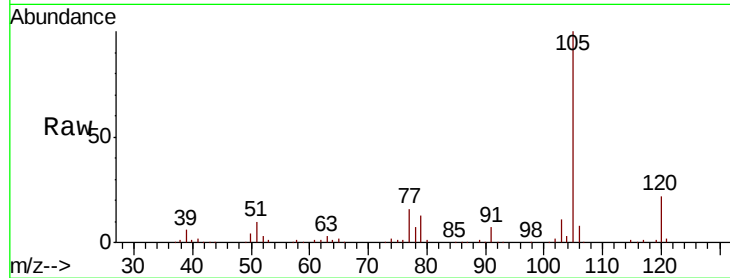
VD0514SBSD02

Tgt Ion:105 Resp: 375458

Ion Ratio Lower Upper

105 100

120 22.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

250000

200000

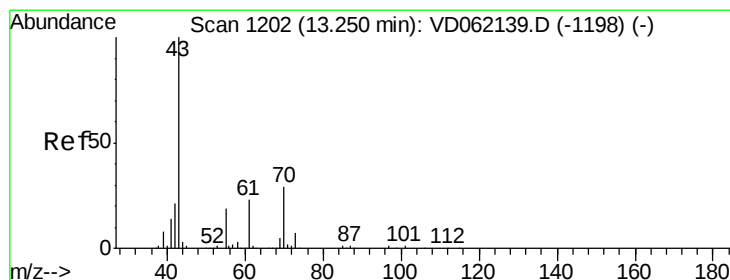
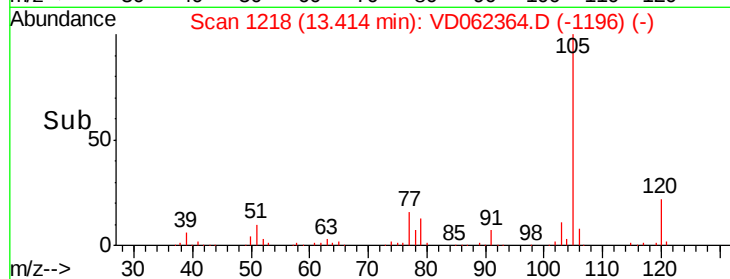
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.784 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.03 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Tgt Ion: 43 Resp: 103542

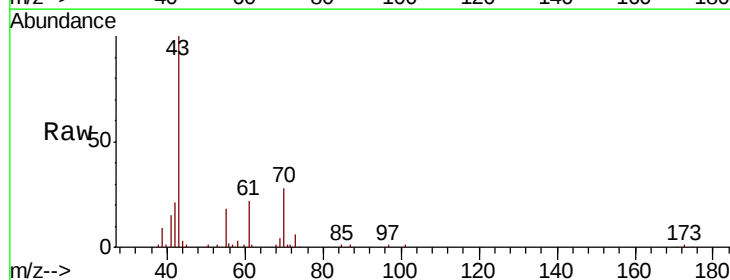
Ion Ratio Lower Upper

43 100

70 27.6 24.2 36.4

55 18.0 16.0 24.0

61 22.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

100000

80000

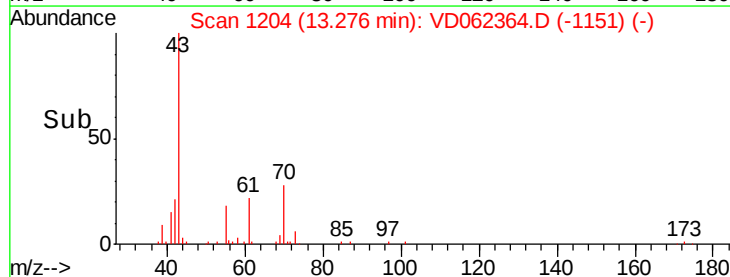
60000

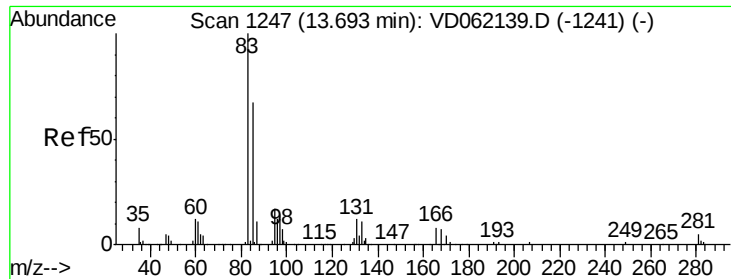
40000

20000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 19.441 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD02

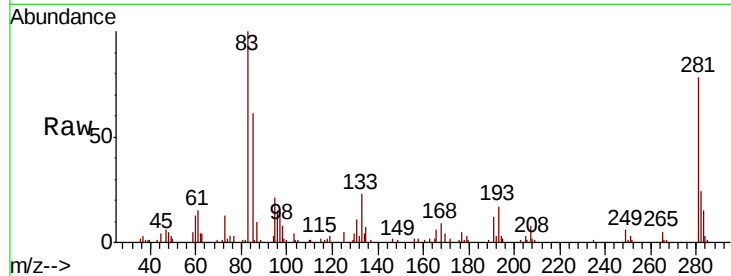
Tgt Ion: 83 Resp: 73469

Ion Ratio Lower Upper

83 100

131 11.4 5.0 14.9

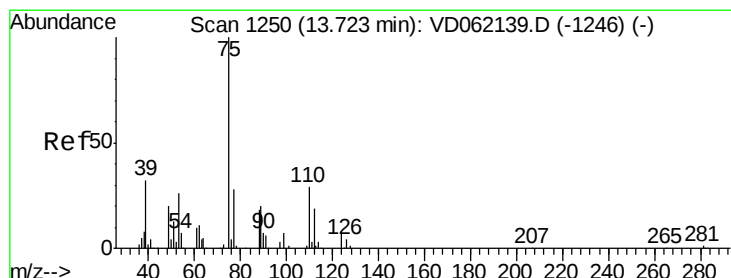
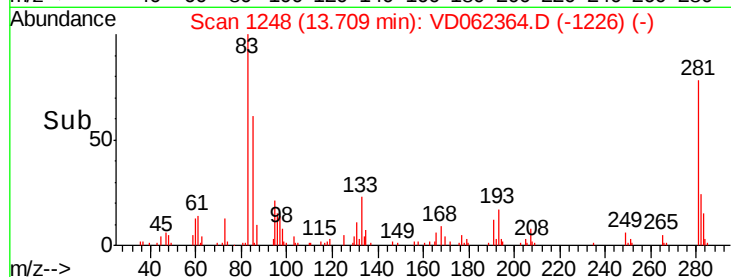
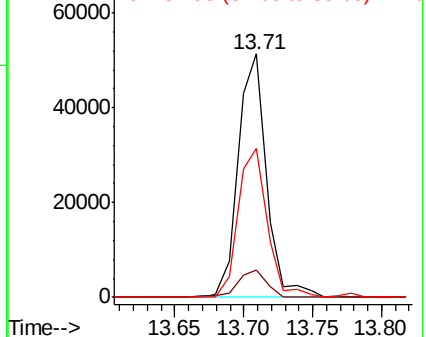
85 61.0 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.763 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD062364.D

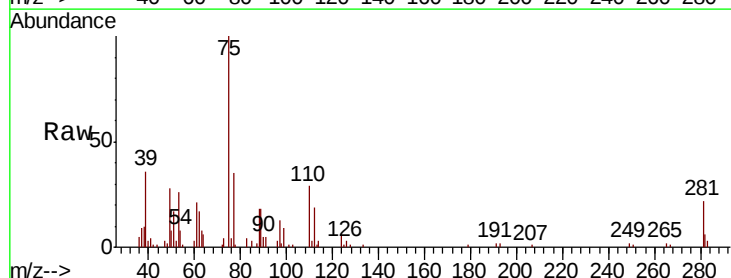
Acq: 15 May 2019 00:47

Tgt Ion: 75 Resp: 78213

Ion Ratio Lower Upper

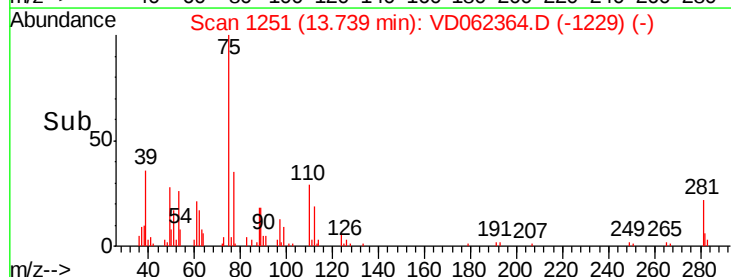
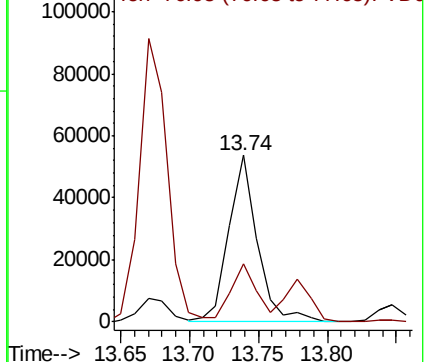
75 100

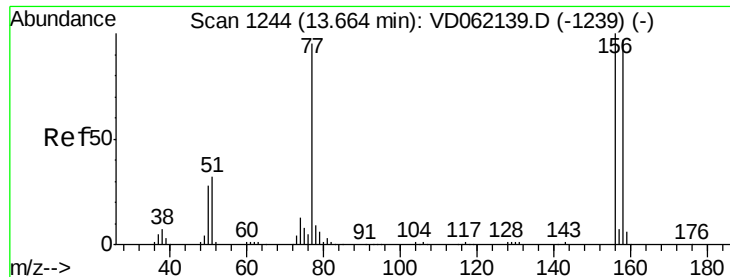
77 34.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.010 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBS02

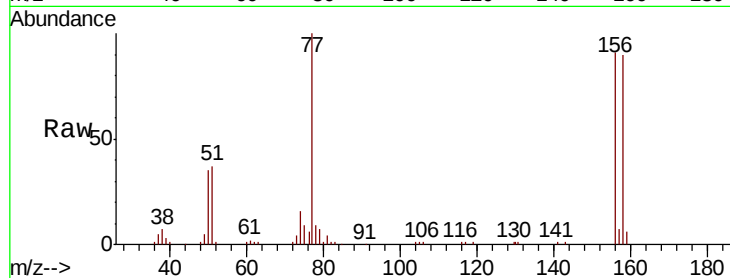
Tgt Ion:156 Resp: 100640

Ion Ratio Lower Upper

156 100

77 110.1 53.1 159.4

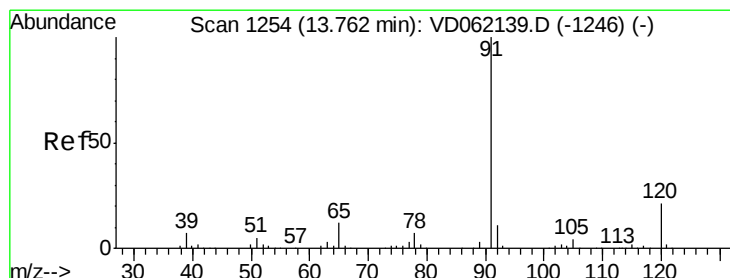
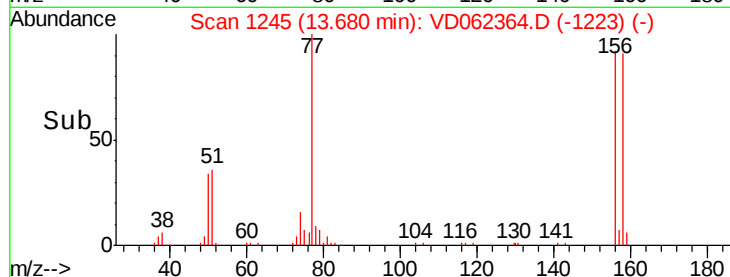
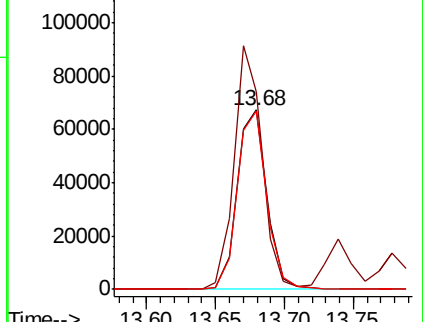
158 99.5 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 17.521 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD062364.D

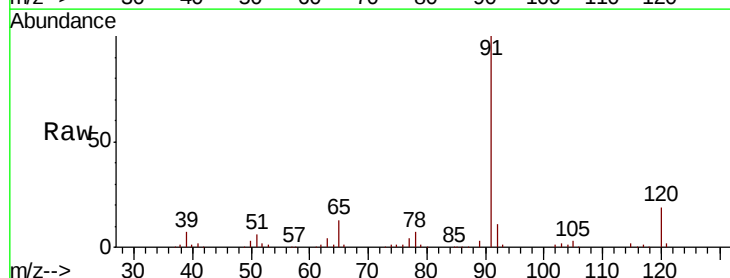
Acq: 15 May 2019 00:47

Tgt Ion: 91 Resp: 417221

Ion Ratio Lower Upper

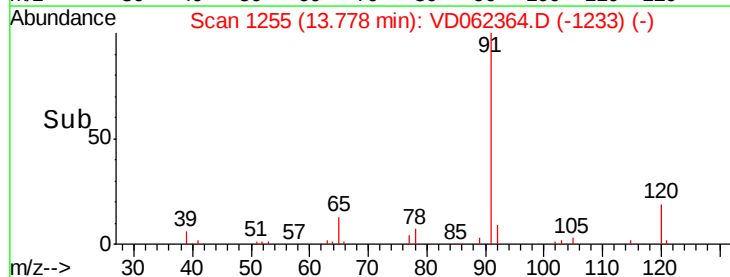
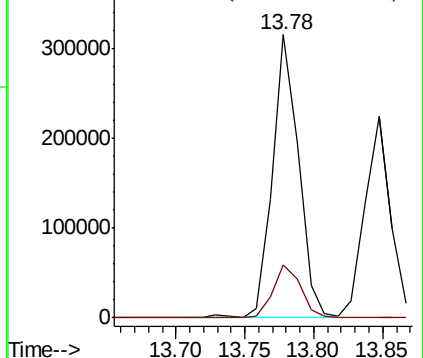
91 100

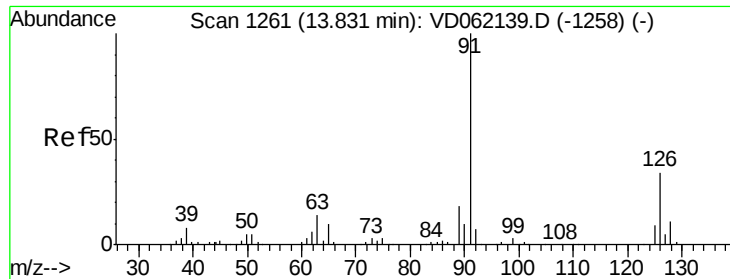
120 18.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.176 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

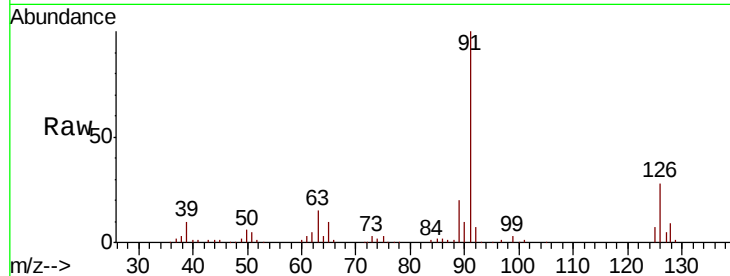
VD0514SBSD02

Tgt Ion: 91 Resp: 288796

Ion Ratio Lower Upper

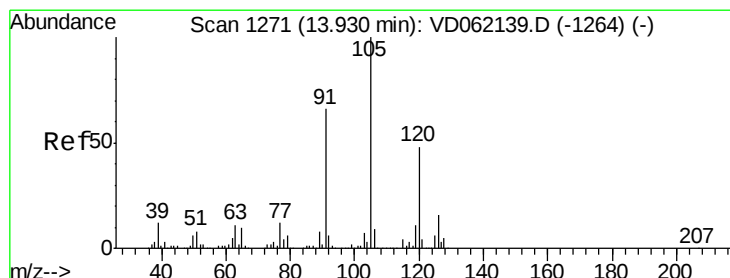
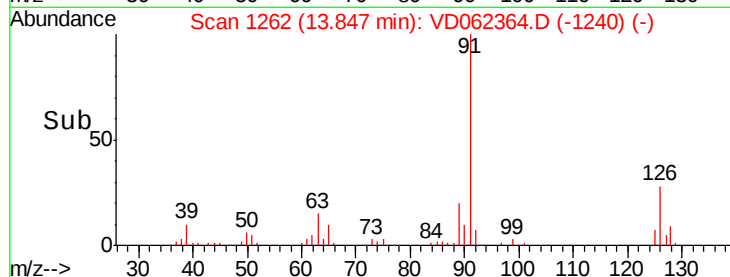
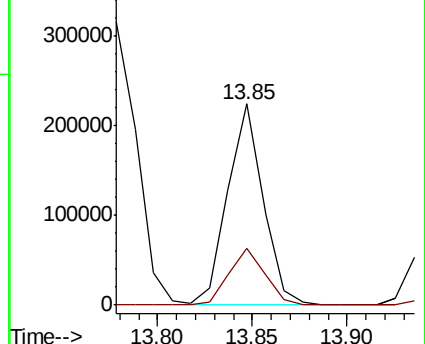
91 100

126 28.3 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 20.942 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD062364.D

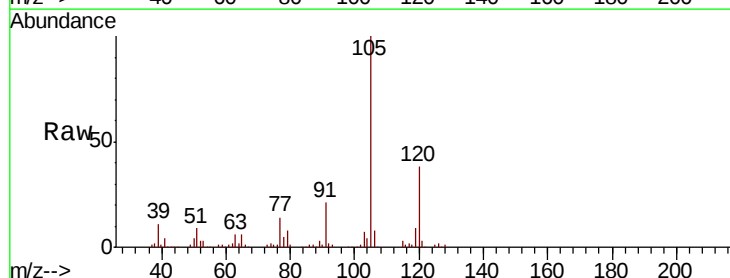
Acq: 15 May 2019 00:47

Tgt Ion: 105 Resp: 352021

Ion Ratio Lower Upper

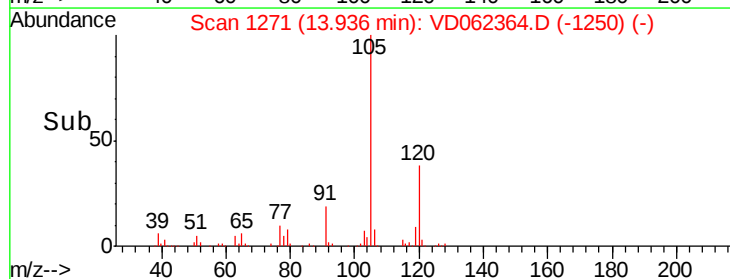
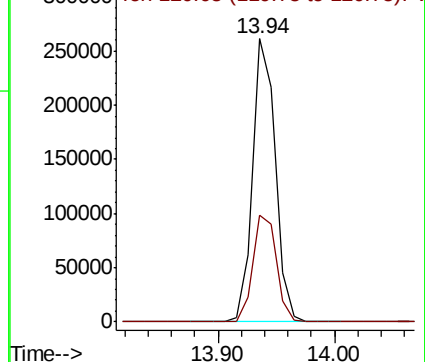
105 100

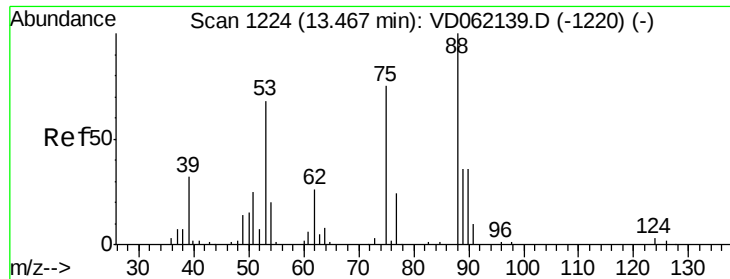
120 37.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.680 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

VD0514SBSD02

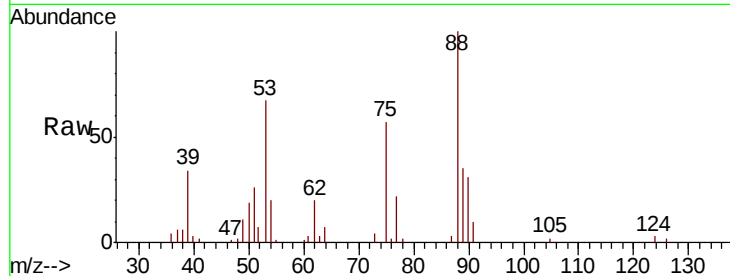
Tgt Ion: 75 Resp: 18636

Ion Ratio Lower Upper

75 100

53 116.4 65.8 98.8#

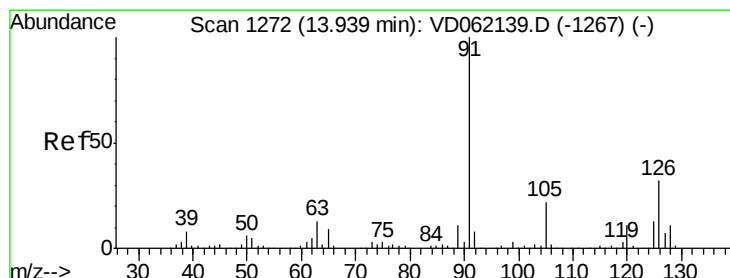
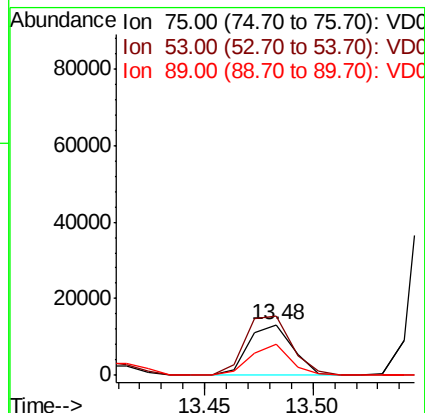
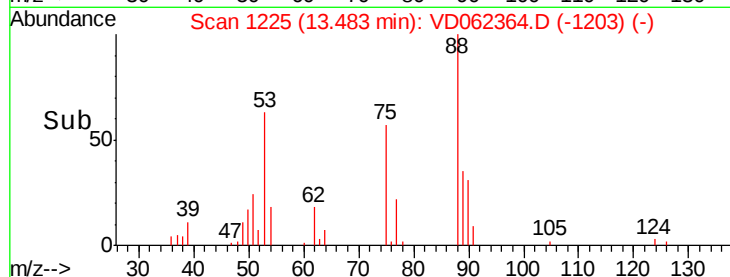
89 61.5 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.842 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD062364.D

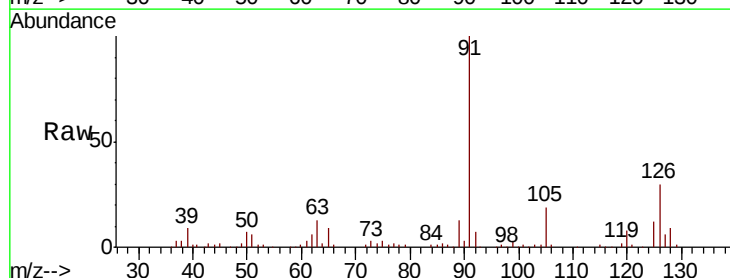
Acq: 15 May 2019 00:47

Tgt Ion: 91 Resp: 350533

Ion Ratio Lower Upper

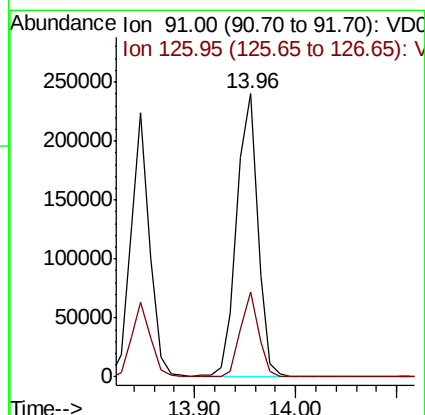
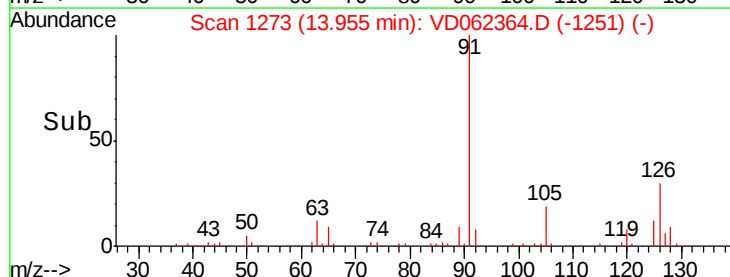
91 100

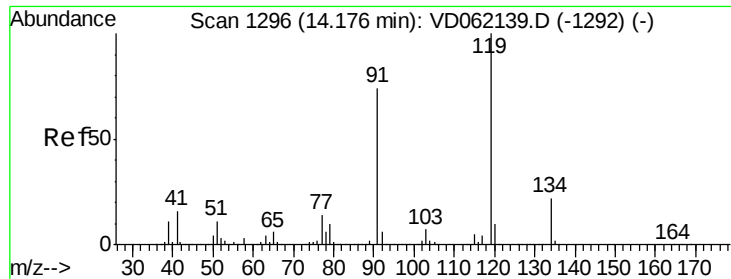
126 29.9 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

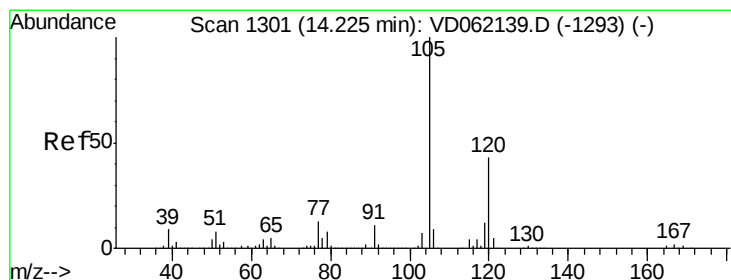
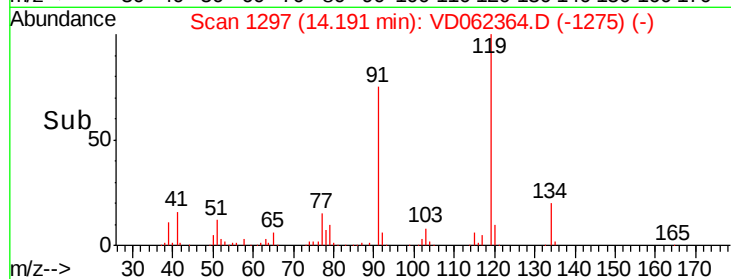
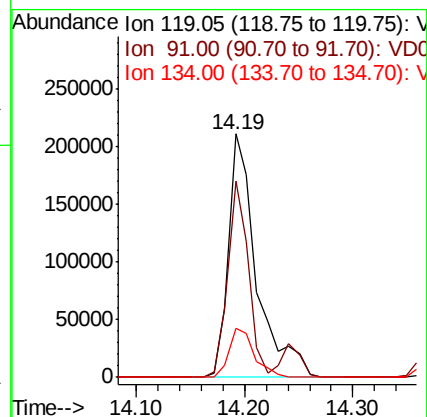
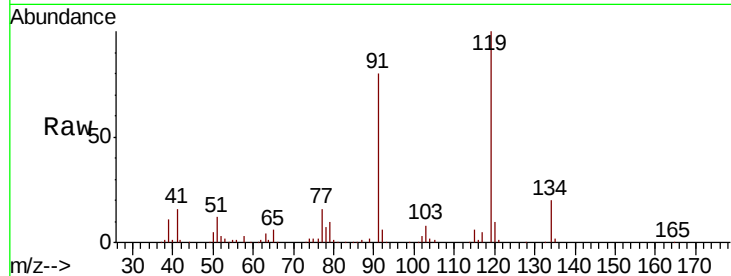




#83
 tert-Butylbenzene
 Concen: 20.147 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

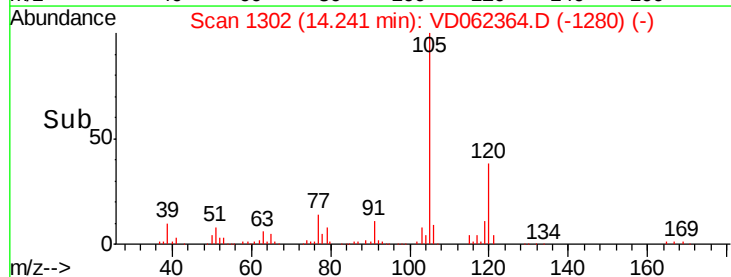
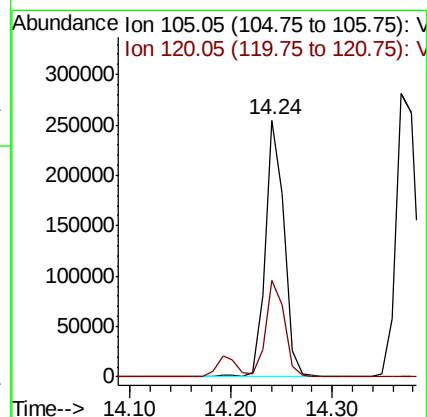
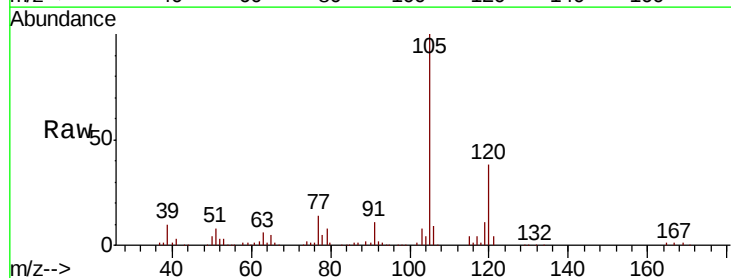
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

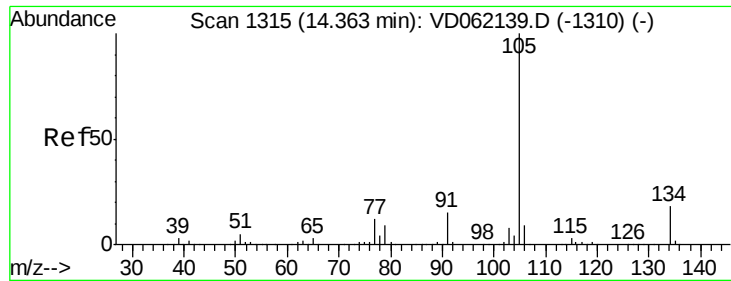
Tgt Ion:119 Resp: 380648
 Ion Ratio Lower Upper
 119 100
 91 80.4 34.2 102.6
 134 20.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.577 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion:105 Resp: 330239
 Ion Ratio Lower Upper
 105 100
 120 37.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.013 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

Instrument :

MSVOA_D

ClientSampleId :

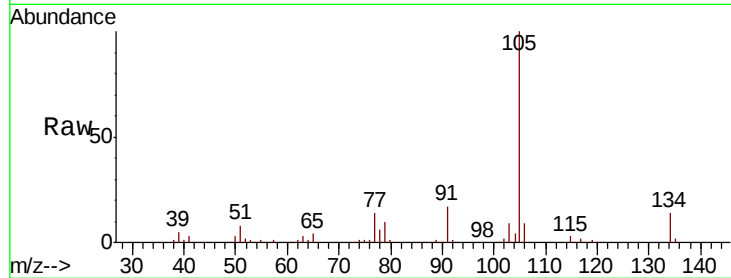
VD0514SBS02

Tgt Ion:105 Resp: 393865

Ion Ratio Lower Upper

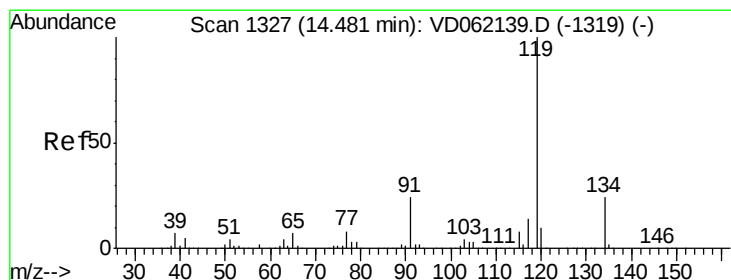
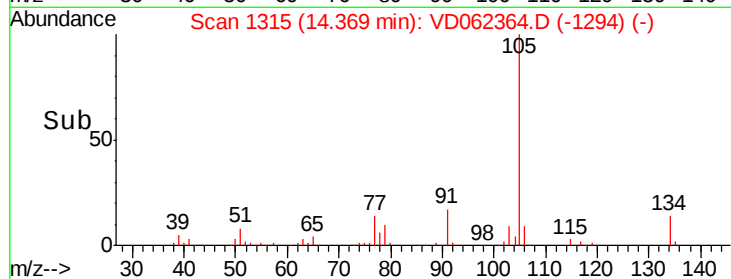
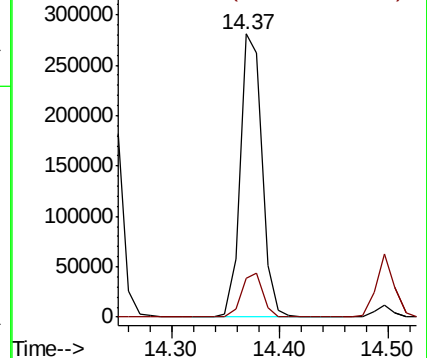
105 100

134 13.5 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: 17.557 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.02 min

Lab File: VD062364.D

Acq: 15 May 2019 00:47

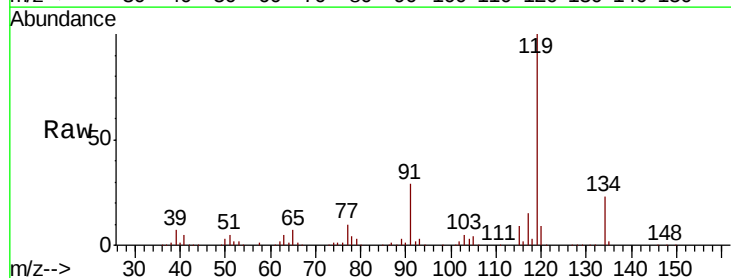
Tgt Ion:119 Resp: 324945

Ion Ratio Lower Upper

119 100

134 23.0 12.8 38.3

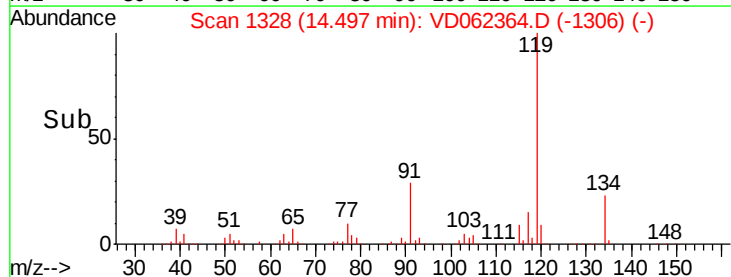
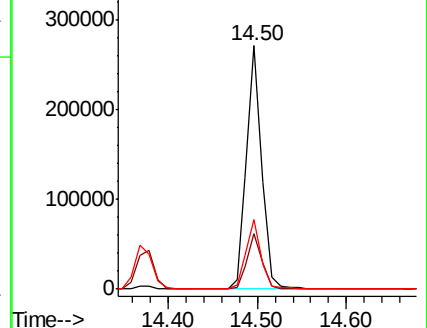
91 28.8 10.7 32.1

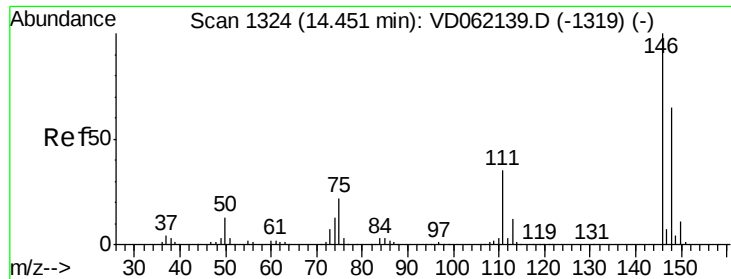


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

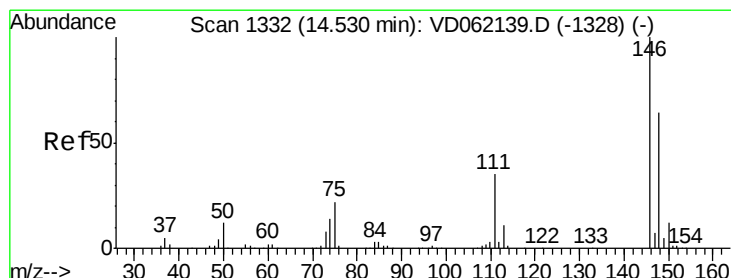
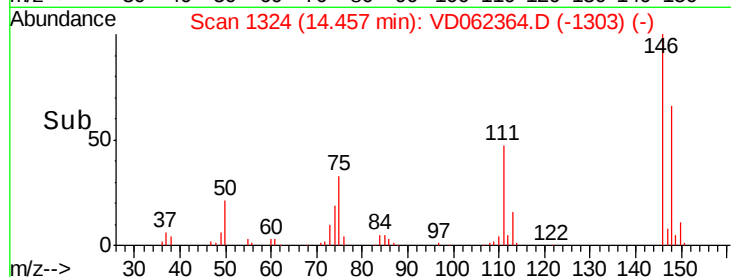
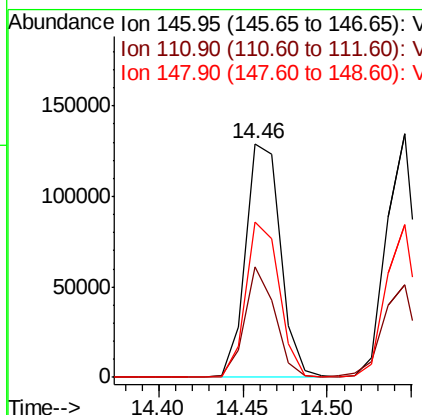
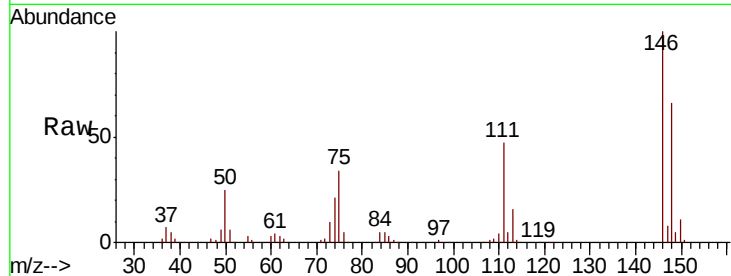




#87
 1,3-Dichlorobenzene
 Concen: 18.196 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

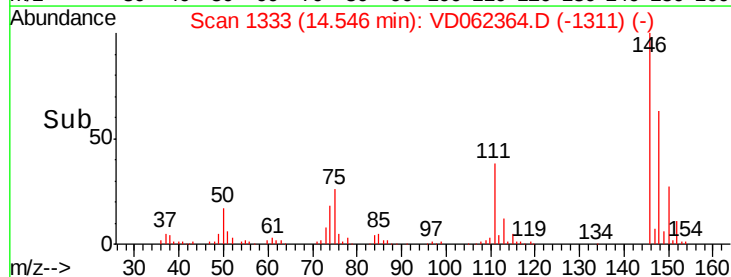
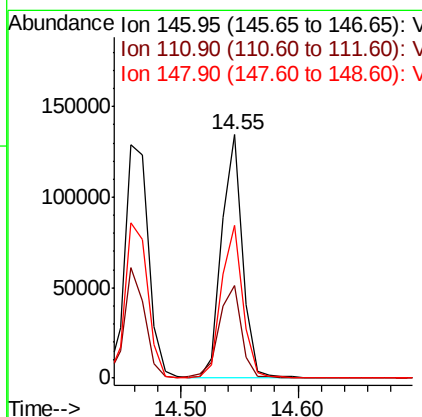
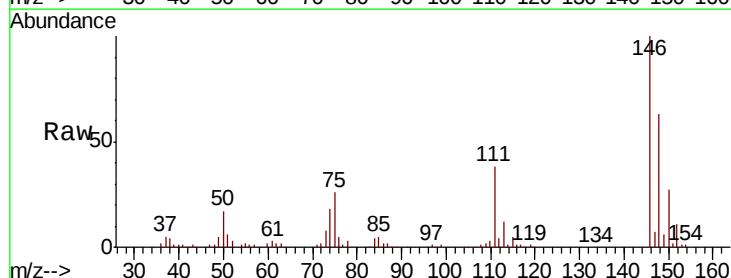
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS02

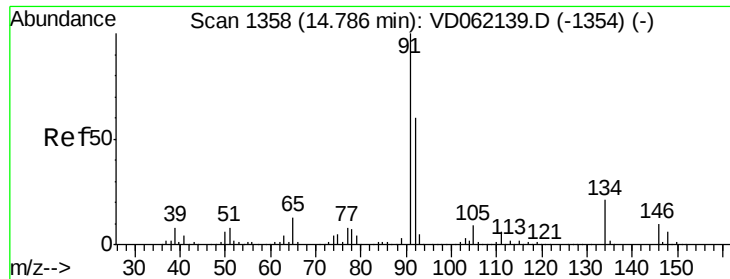
Tgt Ion:146 Resp: 185745
 Ion Ratio Lower Upper
 146 100
 111 47.0 20.0 60.0
 148 66.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 16.645 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion:146 Resp: 166948
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.2 60.5
 148 62.7 32.0 96.2

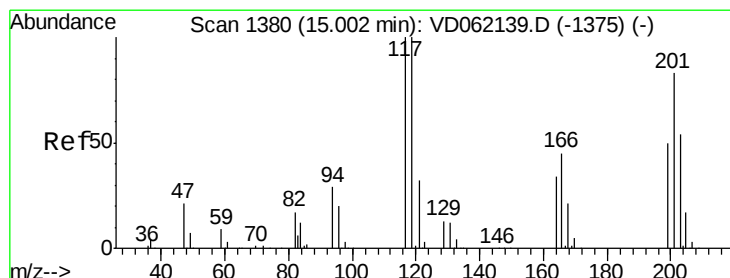
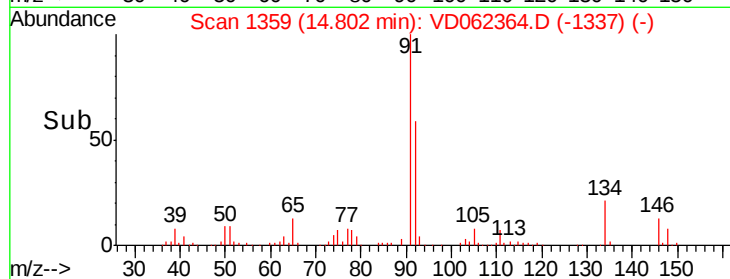
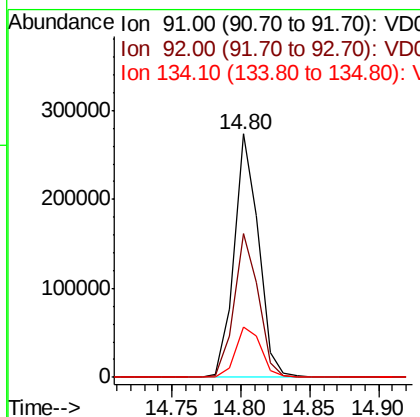
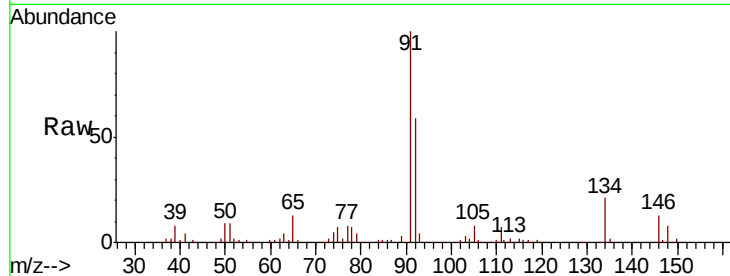




#89
n-Butylbenzene
Concen: 20.272 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

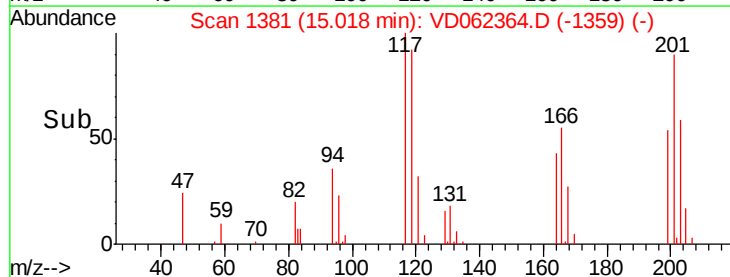
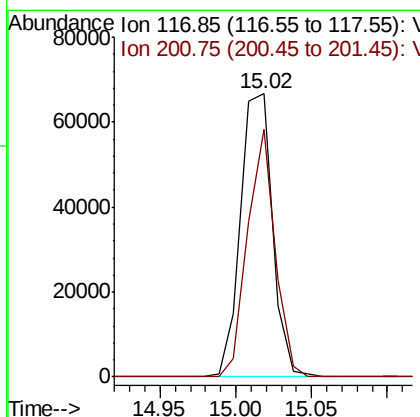
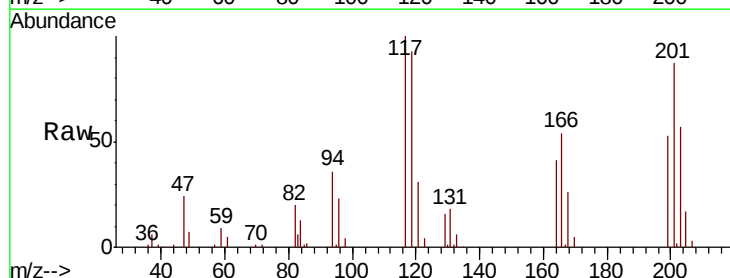
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS02

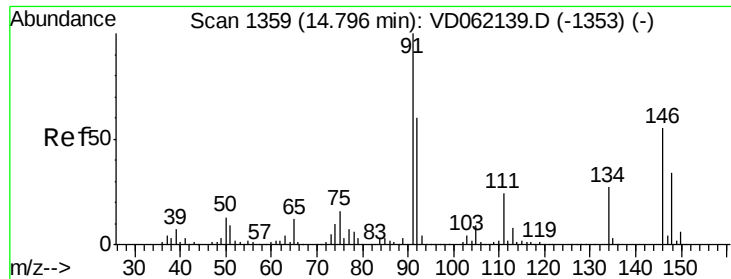
Tgt Ion: 91 Resp: 336763
Ion Ratio Lower Upper
91 100
92 59.1 30.3 91.0
134 20.7 14.5 43.6



#90
Hexachloroethane
Concen: 19.454 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.02 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion: 117 Resp: 97915
Ion Ratio Lower Upper
117 100
201 87.4 30.2 90.6

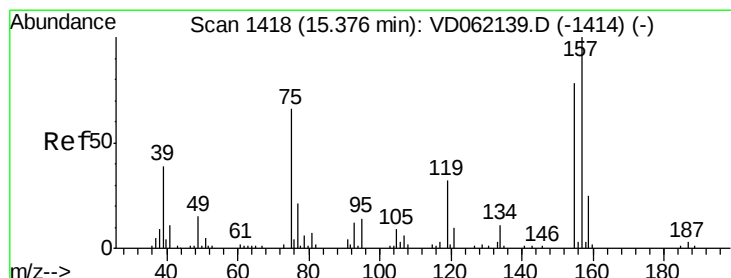
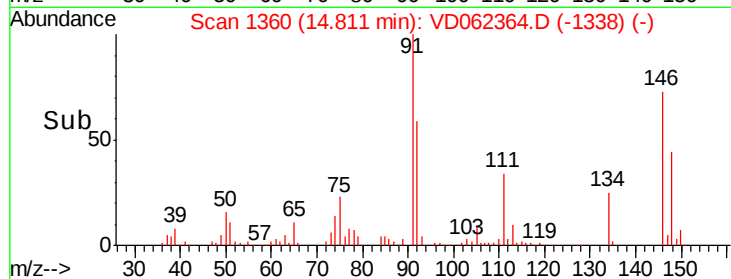
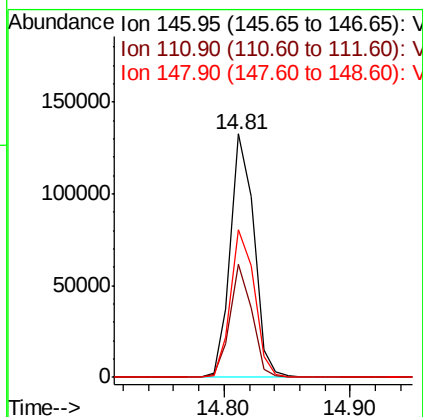
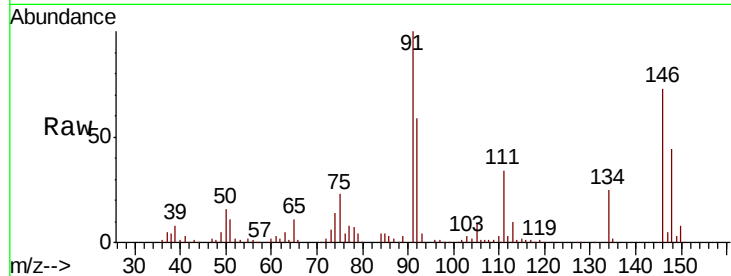




#91
 1,2-Dichlorobenzene
 Concen: 20.376 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

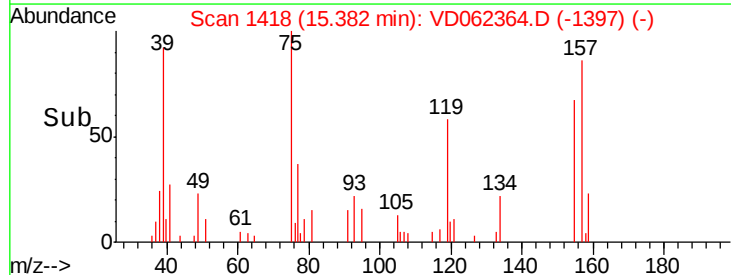
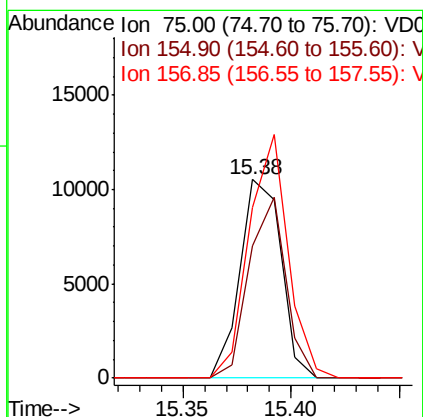
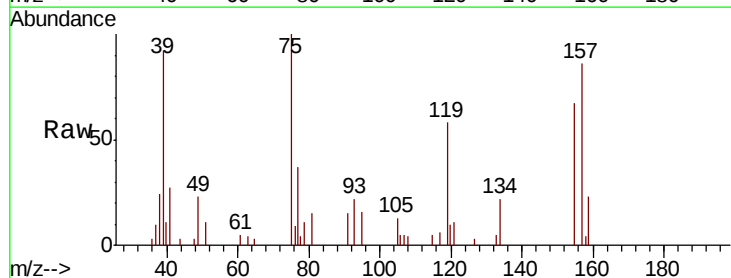
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBSD02

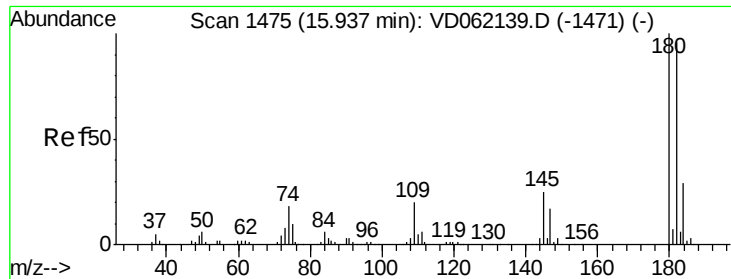
Tgt Ion: 146 Resp: 171298
 Ion Ratio Lower Upper
 146 100
 111 46.3 20.0 59.9
 148 60.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.588 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion: 75 Resp: 14012
 Ion Ratio Lower Upper
 75 100
 155 66.7 55.3 165.8
 157 86.0 67.8 203.2

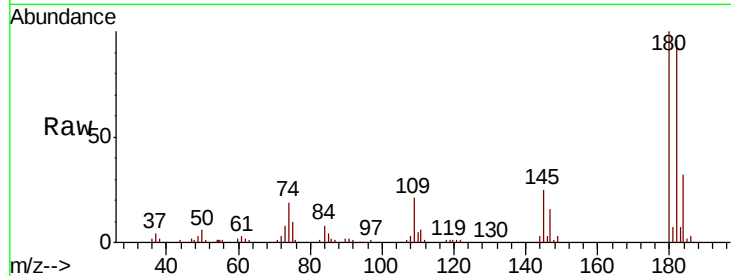




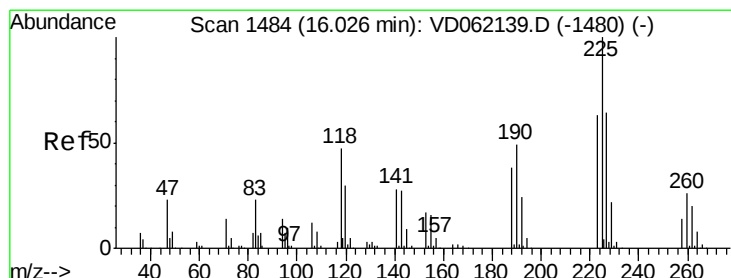
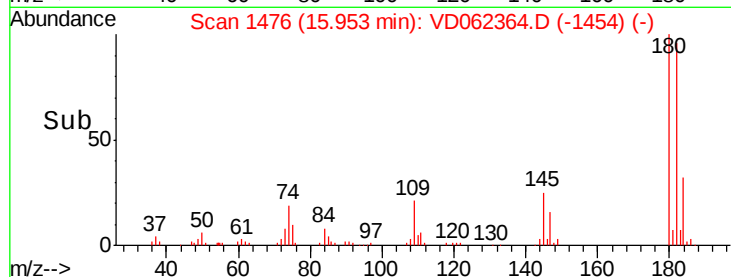
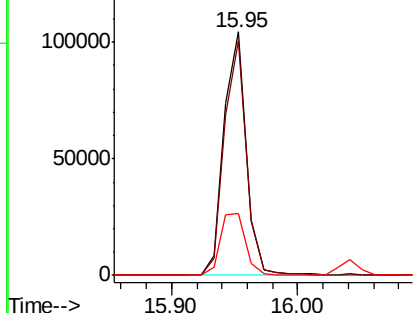
#93
 1,2,4-Trichlorobenzene
 Concen: 20.777 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0514SBSD02

Tgt Ion:180 Resp: 127136
 Ion Ratio Lower Upper
 180 100
 182 96.1 49.3 147.8
 145 25.2 16.2 48.6

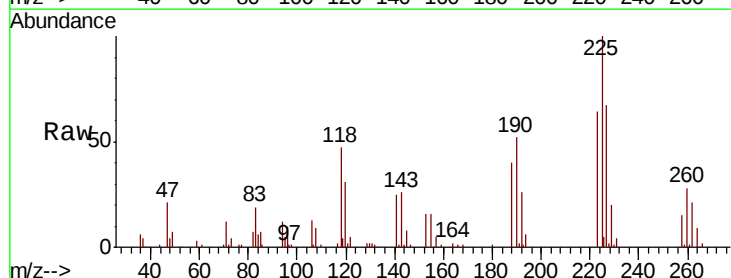


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

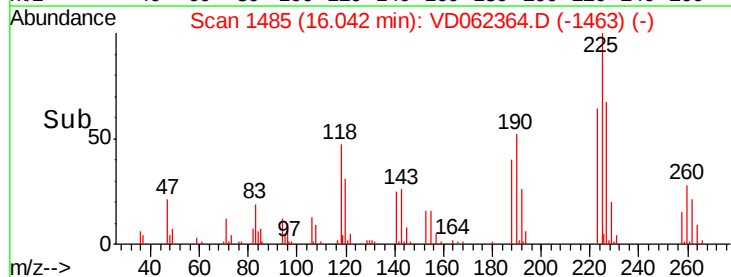
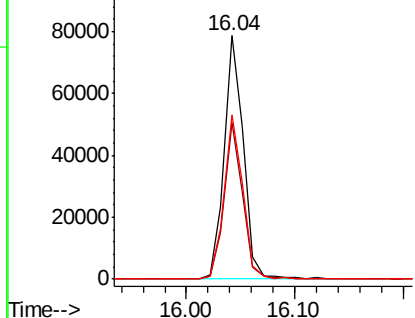


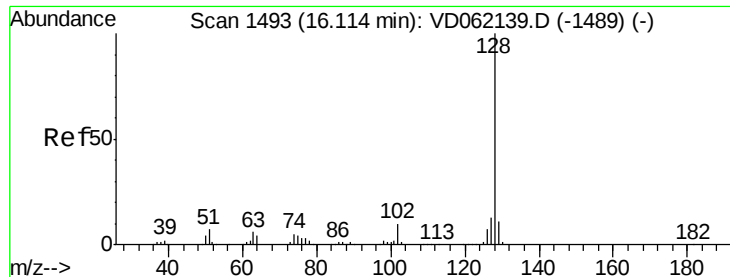
#94
 Hexachlorobutadiene
 Concen: 21.171 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD062364.D
 Acq: 15 May 2019 00:47

Tgt Ion:225 Resp: 96353
 Ion Ratio Lower Upper
 225 100
 223 64.1 30.6 92.0
 227 67.3 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

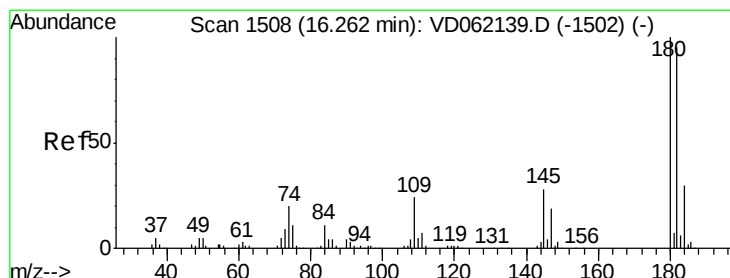
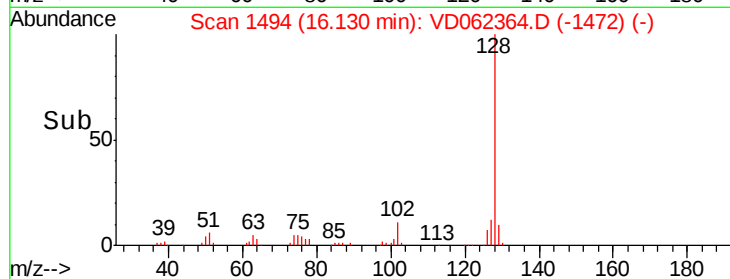
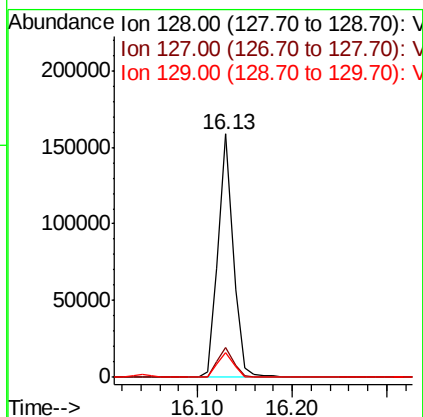
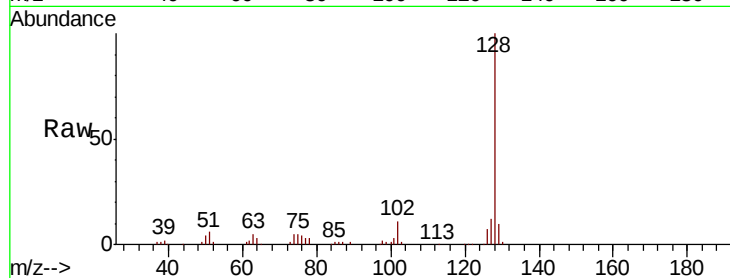




#95
Naphthalene
Concen: 21.011 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.02 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD02

Tgt Ion:128 Resp: 179494
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.905 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.02 min
Lab File: VD062364.D
Acq: 15 May 2019 00:47

Tgt Ion:180 Resp: 88125
Ion Ratio Lower Upper
180 100
182 94.4 47.0 141.0
145 30.4 17.0 51.0

