

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050719\
 Data File : VD062141.D
 Acq On : 7 May 2019 14:03
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: May 07 14:26:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	884765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1302319	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1146859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	522900	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	860490	102.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.30%	
35) Dibromofluoromethane	6.90	113	1062839	90.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.46%	
50) Toluene-d8	10.39	98	2522635	87.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.52%	
62) 4-Bromofluorobenzene	13.54	95	975025	83.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	864365	100.974	ug/l	96
3) Chloromethane	1.74	50	622233	106.425	ug/l	97
4) Vinyl Chloride	1.84	62	649764	103.625	ug/l	100
5) Bromomethane	2.14	94	154455	102.835	ug/l	98
6) Chloroethane	2.23	64	197397	71.730	ug/l	98
7) Trichlorofluoromethane	2.50	101	1176130	98.989	ug/l	99
8) Diethyl Ether	2.85	74	255121	111.495	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.13	101	900805	97.810	ug/l	98
10) Methyl Iodide	3.29	142	1445013	106.433	ug/l	95
11) Tert butyl alcohol	4.05	59	235650	579.076	ug/l	100
12) 1,1-Dichloroethene	3.11	96	736120	100.313	ug/l	99
13) Acrolein	3.02	56	236484	567.835	ug/l	90
14) Allyl chloride	3.59	41	1028633	100.397	ug/l	90
15) Acrylonitrile	4.17	53	590937	544.635	ug/l	88
16) Acetone	3.21	43	882546	498.820	ug/l #	90
17) Carbon Disulfide	3.36	76	2321775	115.501	ug/l	100
18) Methyl Acetate	3.62	43	319603	106.569	ug/l	93
19) Methyl tert-butyl Ether	4.21	73	1530962	104.745	ug/l	96
20) Methylene Chloride	3.79	84	786600	112.433	ug/l	94
21) trans-1,2-Dichloroethene	4.19	96	798296	100.067	ug/l	96
22) Diisopropyl ether	5.09	45	2236050	106.833	ug/l	94
23) Vinyl Acetate	5.03	43	6183766	540.130	ug/l	97
24) 1,1-Dichloroethane	4.96	63	1444695	117.520	ug/l	99
25) 2-Butanone	6.04	43	1065404	589.179	ug/l	100
26) 2,2-Dichloropropane	6.00	77	1318556	108.288	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	938252	114.050	ug/l	98
28) Bromochloromethane	6.42	49	545075	111.441	ug/l	95
29) Tetrahydrofuran	6.44	42	472477	585.200	ug/l	96
30) Chloroform	6.64	83	1614923	106.325	ug/l	98
31) Cyclohexane	6.93	56	928443	104.552	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	1431008	97.342	ug/l	98
36) 1,1-Dichloropropene	7.13	75	1056585	97.322	ug/l	97
37) Ethyl Acetate	6.16	43	470673	100.000	ug/l #	92
38) Carbon Tetrachloride	7.10	117	1498407	97.346	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	1024451	93.869	ug/l	95
40) Benzene	7.43	78	2596248	105.452	ug/l	99
41) Methacrylonitrile	6.42	41	583374	105.501	ug/l	92
42) 1,2-Dichloroethane	7.56	62	1098904	104.641	ug/l	97
43) Isopropyl Acetate	9.22	43	714084	109.033	ug/l #	97
44) Trichloroethene	8.52	130	990902	102.375	ug/l	91
45) 1,2-Dichloropropane	8.92	63	660353	108.349	ug/l	97
46) Dibromomethane	9.04	93	525163	105.003	ug/l	87
47) Bromodichloromethane	9.36	83	1259476	103.144	ug/l	99
48) Methyl methacrylate	9.10	41	402326	101.961	ug/l	91
49) 1,4-Dioxane	9.06	88	93257	2171.354	ug/l	98
51) 4-Methyl-2-Pentanone	10.28	43	2115995	518.526	ug/l	95
52) Toluene	10.49	92	1667322	102.898	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	1102051	102.978	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	1196854	99.673	ug/l	92
55) 1,1,2-Trichloroethane	11.18	97	614505	103.352	ug/l	95
56) Ethyl methacrylate	11.02	69	616264	99.486	ug/l #	89
57) 1,3-Dichloropropane	11.40	76	861816	93.641	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	1618092	489.257	ug/l	98
59) 2-Hexanone	11.52	43	1471222	479.714	ug/l	96
60) Dibromochloromethane	11.67	129	1013651	101.001	ug/l	100
61) 1,2-Dibromoethane	11.79	107	738172	108.023	ug/l	97
64) Tetrachloroethene	11.24	164	895391	95.965	ug/l	97
65) Chlorobenzene	12.39	112	2028017	96.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	890340	89.396	ug/l	96
67) Ethyl Benzene	12.52	91	3274610	86.503	ug/l	98
68) m/p-Xylenes	12.66	106	2293128	161.033	ug/l	99
69) o-Xylene	13.04	106	1111061	86.924	ug/l	99
70) Styrene	13.06	104	1985755	95.028	ug/l	97
71) Bromoform	13.23	173	675606	97.790	ug/l #	98
73) Isopropylbenzene	13.39	105	3434581	110.108	ug/l	99
74) N-amyl acetate	13.26	43	920780	114.257	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	669267	119.694	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	675113	116.972	ug/l	98
77) Bromobenzene	13.66	156	879309	108.267	ug/l	91
78) n-propylbenzene	13.77	91	3854503	109.147	ug/l	98
79) 2-Chlorotoluene	13.84	91	2153525	103.267	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	2524337	98.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	203775	113.271	ug/l #	86
82) 4-Chlorotoluene	13.93	91	2328160	94.564	ug/l	88
83) tert-Butylbenzene	14.18	119	2975001	100.258	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	2575520	99.917	ug/l	97
85) sec-Butylbenzene	14.36	105	3015428	94.937	ug/l	98
86) p-Isopropyltoluene	14.49	119	2792580	92.175	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1700986	108.824	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	1537126	103.715	ug/l	99
89) n-Butylbenzene	14.79	91	2622200	106.891	ug/l	98
90) Hexachloroethane	15.00	117	866315	109.720	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	1348711	110.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	111658	118.290	ug/l	91

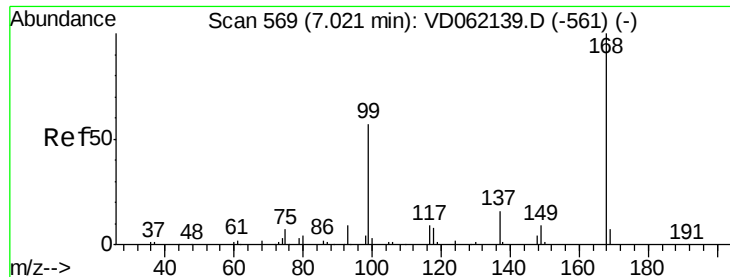
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	981430	110.457	ug/l	95
94) Hexachlorobutadiene	16.03	225	737034	107.049	ug/l	99
95) Naphthalene	16.12	128	1517172	114.075	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	669578	114.185	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

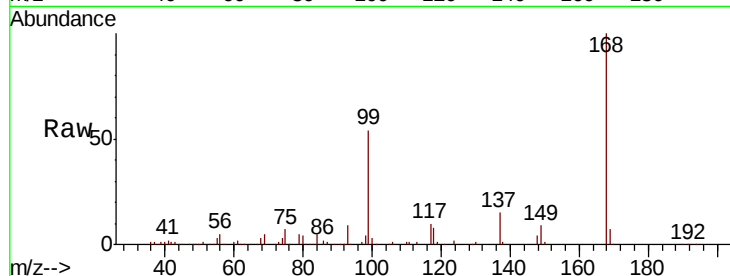
VSTDIC100

Tgt Ion:168 Resp: 884765

Ion Ratio Lower Upper

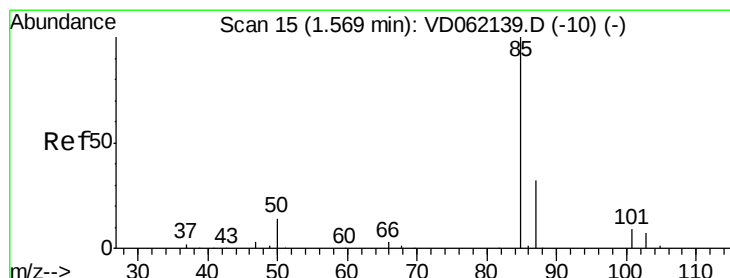
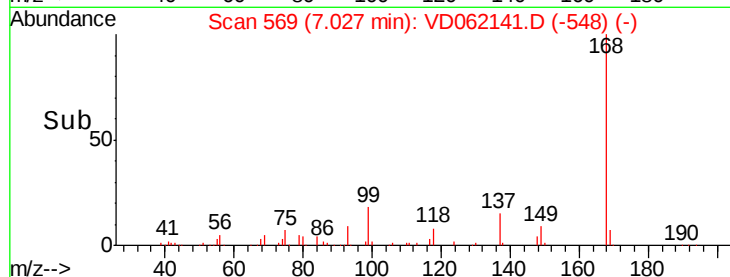
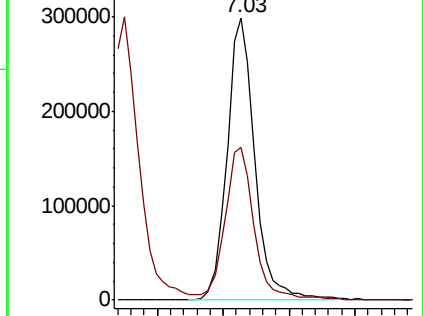
168 100

99 54.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 100.974 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062141.D

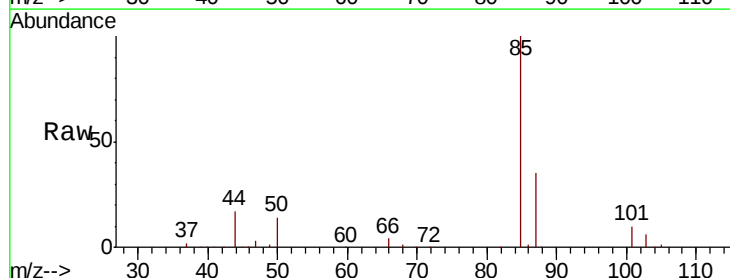
Acq: 7 May 2019 14:03

Tgt Ion: 85 Resp: 864365

Ion Ratio Lower Upper

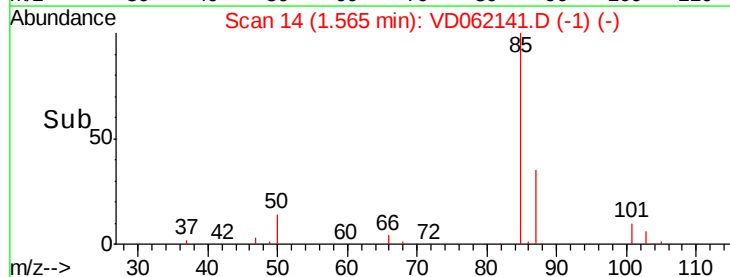
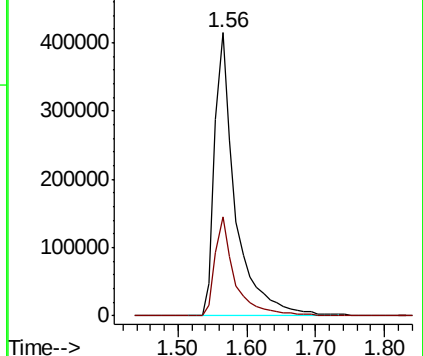
85 100

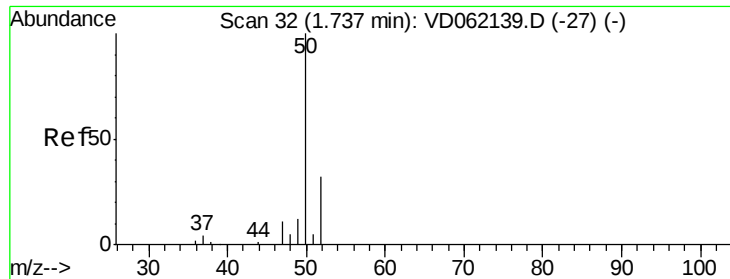
87 34.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 106.425 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

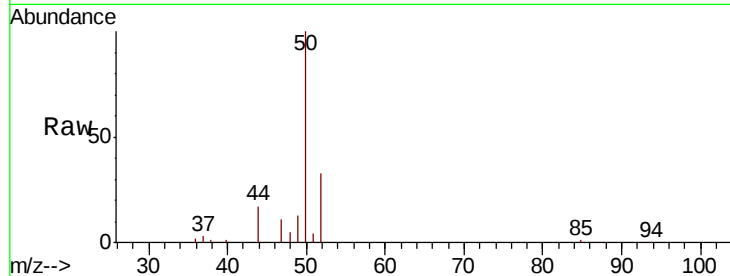
VSTDIC100

Tgt Ion: 50 Resp: 622233

Ion Ratio Lower Upper

50 100

52 33.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

200000

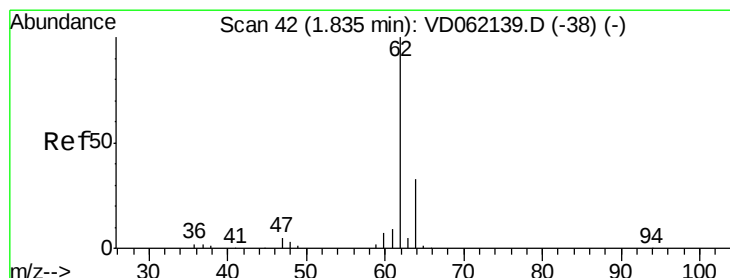
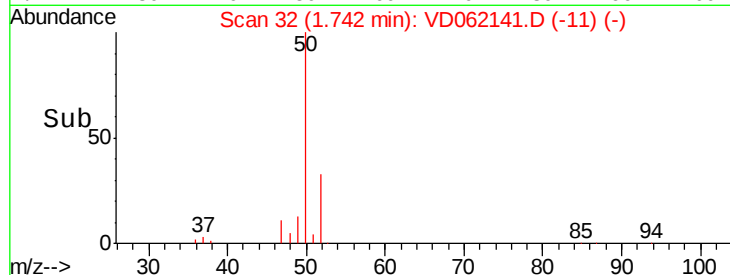
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 103.625 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD062141.D

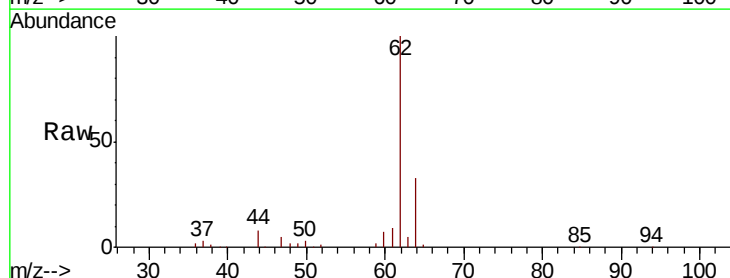
Acq: 7 May 2019 14:03

Tgt Ion: 62 Resp: 649764

Ion Ratio Lower Upper

62 100

64 33.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

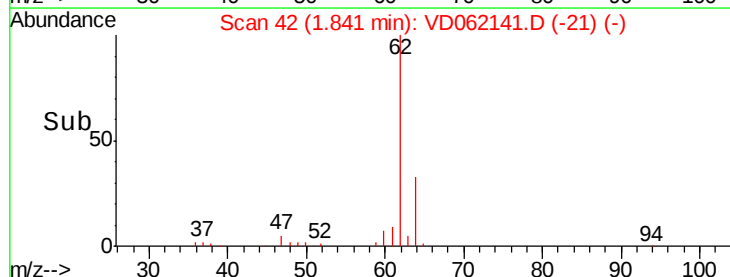
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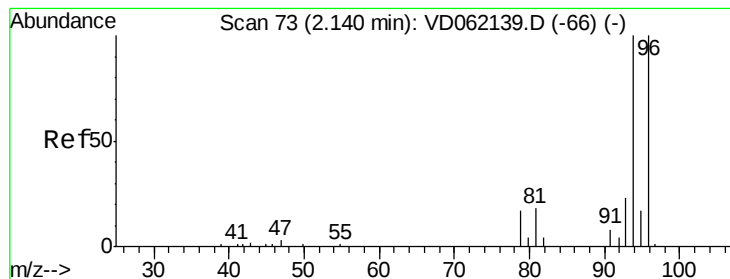
200000

100000

0

Time-->





#5

Bromomethane

Concen: 102.835 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

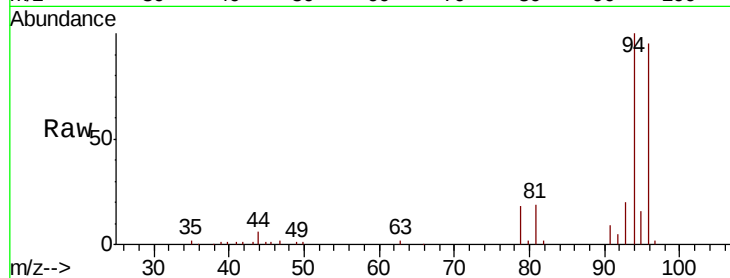
Tgt Ion: 94 Resp: 154455

Ion Ratio Lower Upper

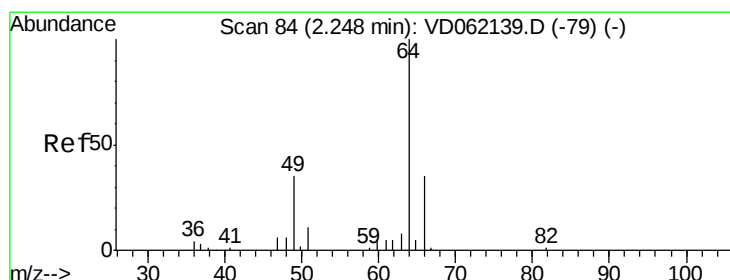
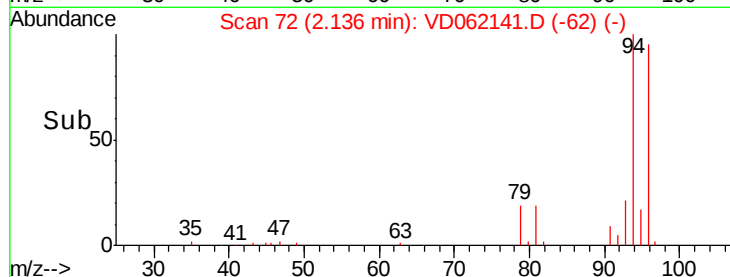
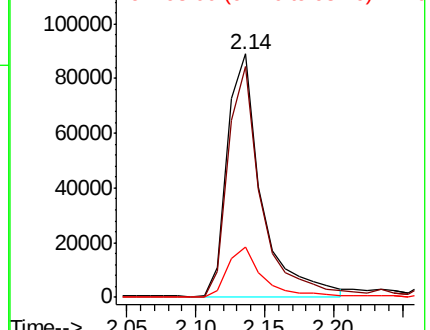
94 100

96 94.6 76.6 115.0

93 20.4 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: 71.730 ug/l

RT: 2.23 min Scan# 82

Delta R.T. -0.01 min

Lab File: VD062141.D

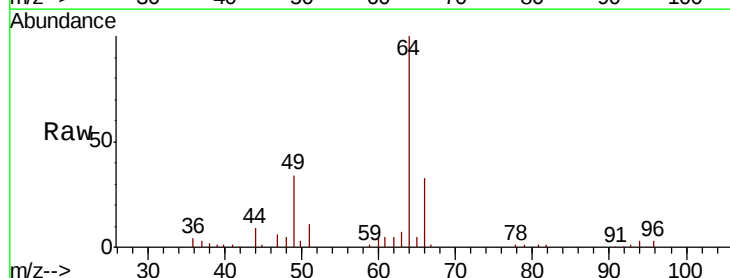
Acq: 7 May 2019 14:03

Tgt Ion: 64 Resp: 197397

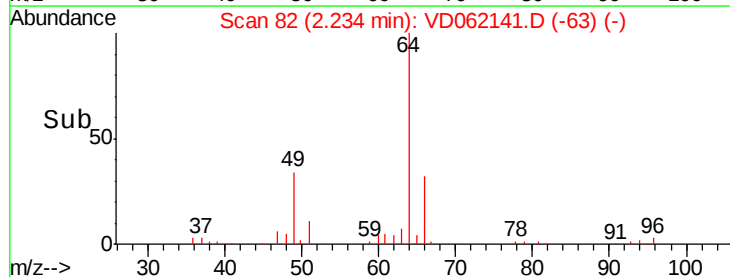
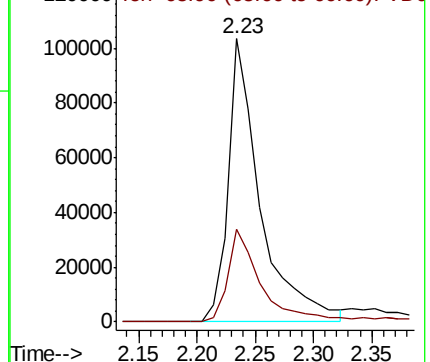
Ion Ratio Lower Upper

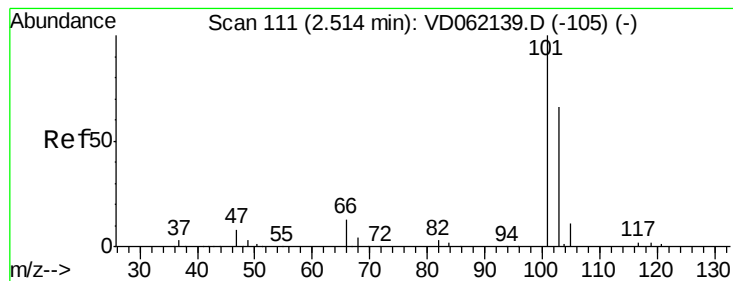
64 100

66 32.9 25.6 38.4



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



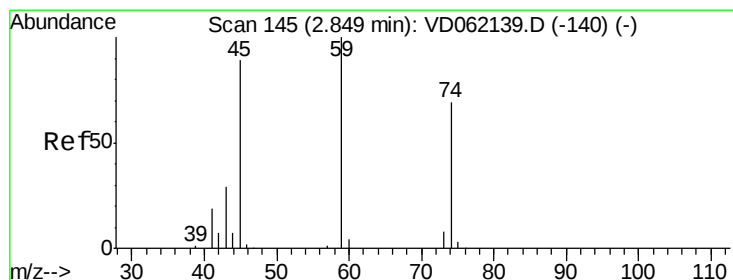
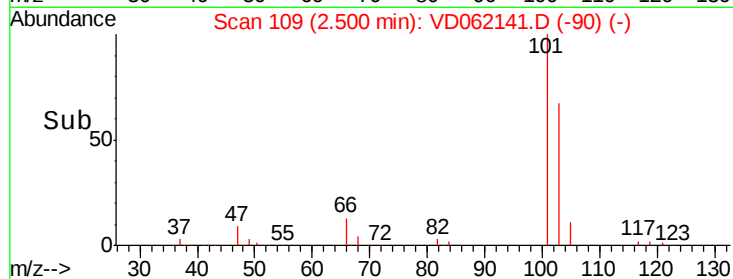
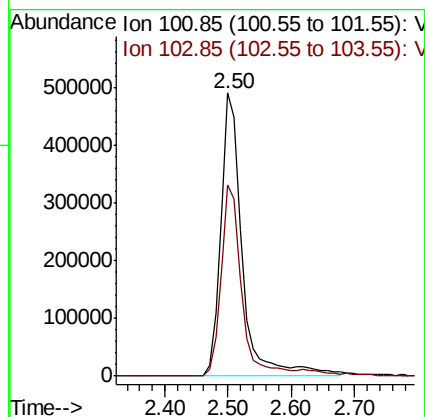
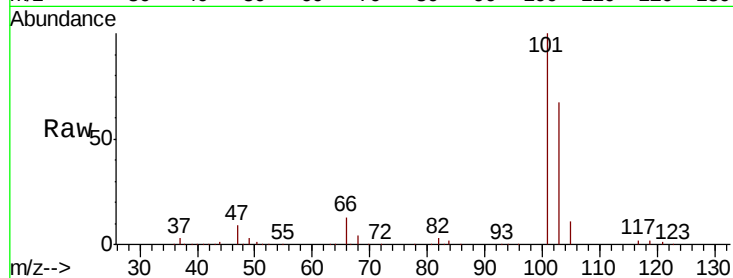


#7

Trichlorofluoromethane
Concen: 98.989 ug/l
RT: 2.50 min Scan# 109
Delta R.T. -0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

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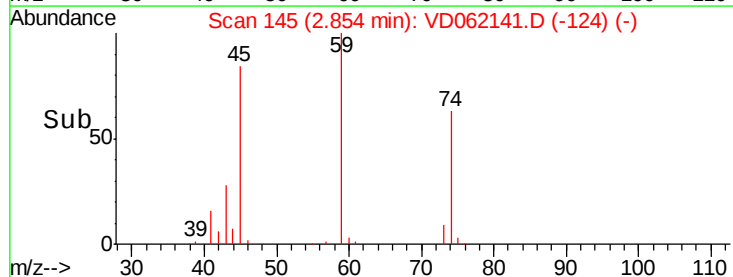
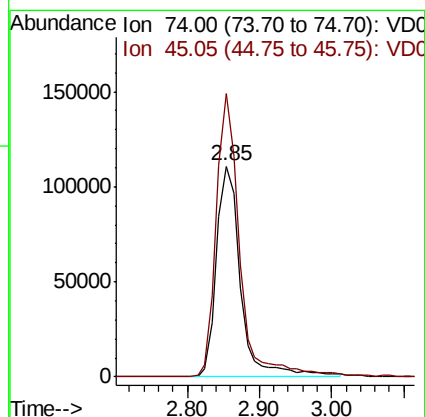
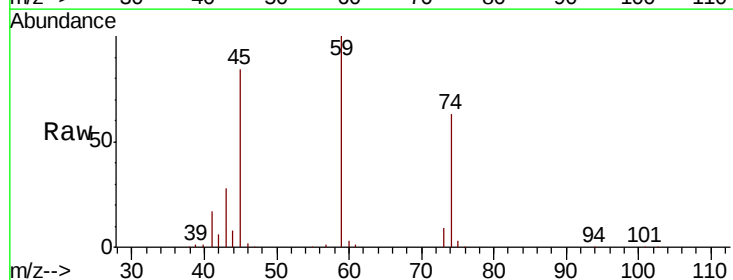
Tgt Ion: 101 Resp: 1176130
Ion Ratio Lower Upper
101 100
103 67.5 53.6 80.4



#8

Diethyl Ether
Concen: 111.495 ug/l
RT: 2.85 min Scan# 145
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 74 Resp: 255121
Ion Ratio Lower Upper
74 100
45 134.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.810 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

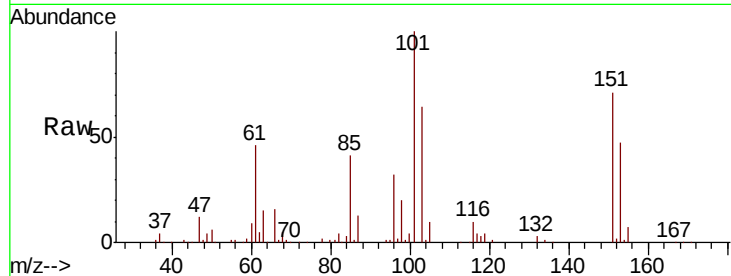
Tgt Ion:101 Resp: 900805

Ion Ratio Lower Upper

101 100

85 40.8 32.4 48.6

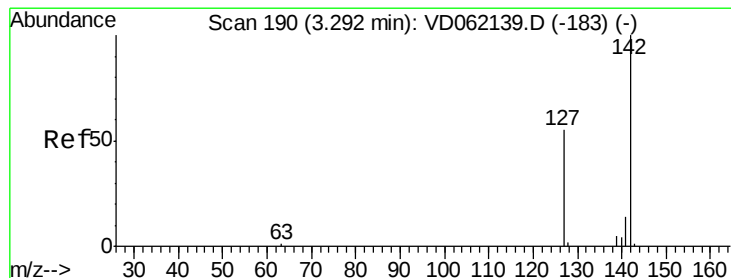
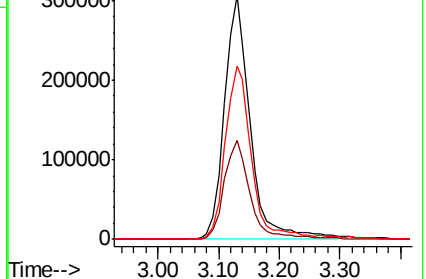
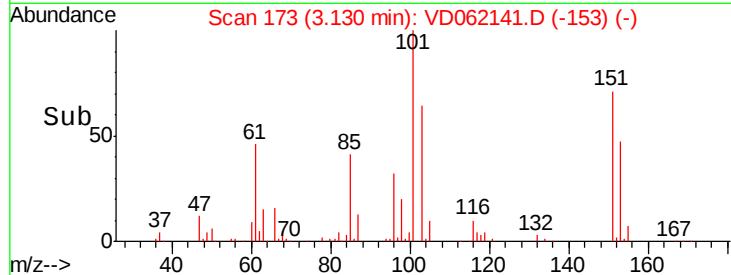
151 71.4 59.4 89.0



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: 106.433 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

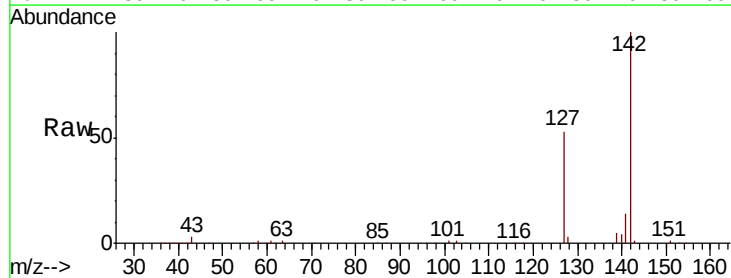
Tgt Ion:142 Resp: 1445013

Ion Ratio Lower Upper

142 100

127 52.5 38.8 58.2

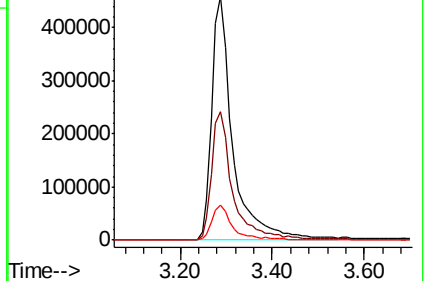
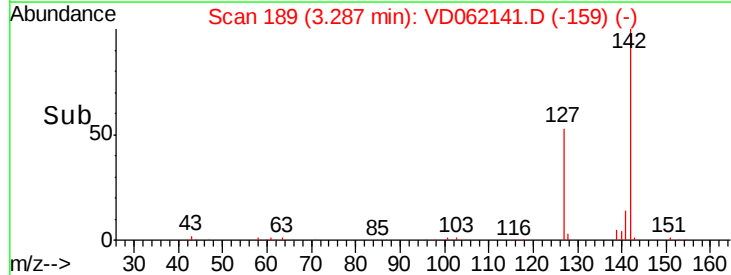
141 14.2 11.4 17.0

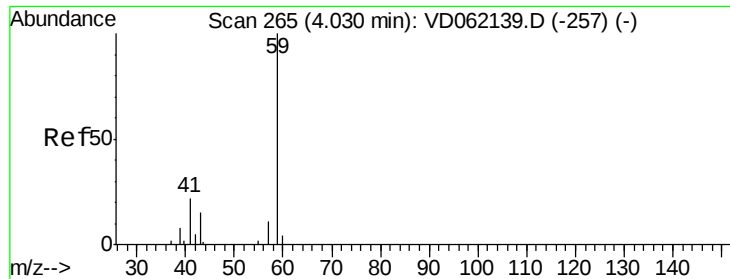


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

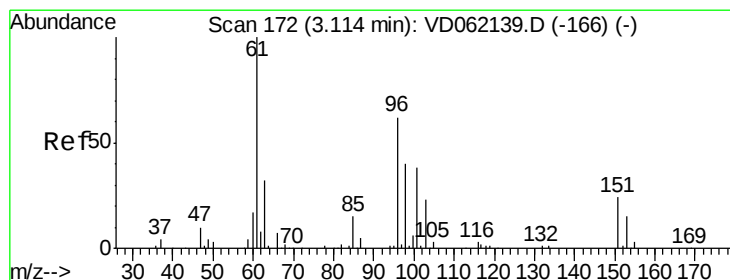
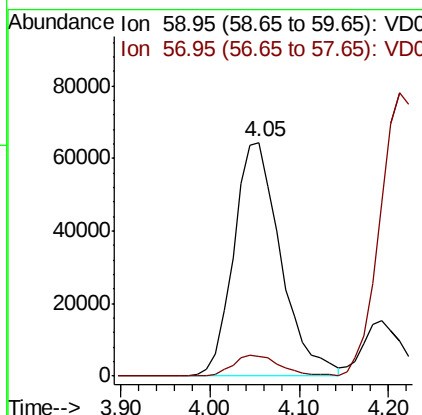
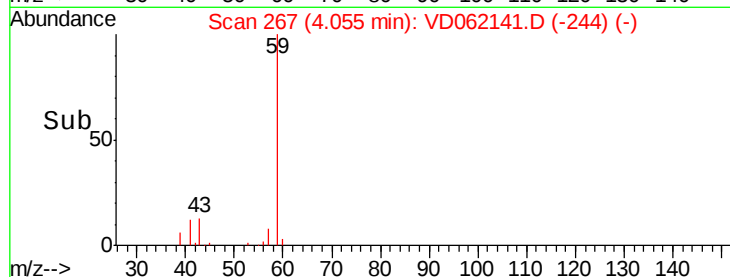
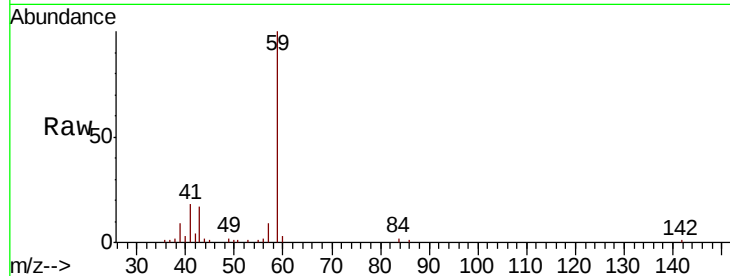




#11
Tert butyl alcohol
Concen: 579.076 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.03 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

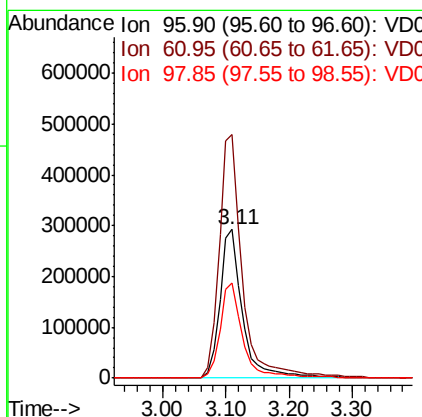
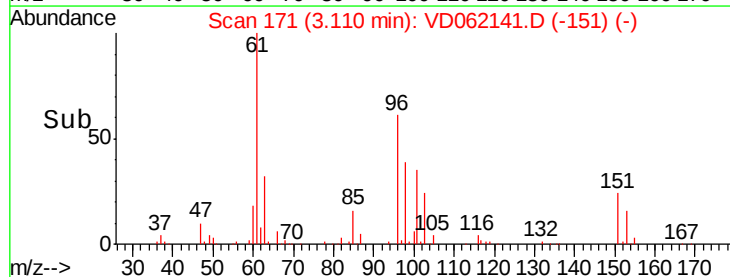
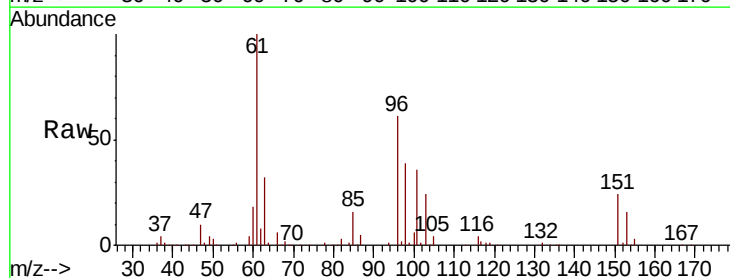
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

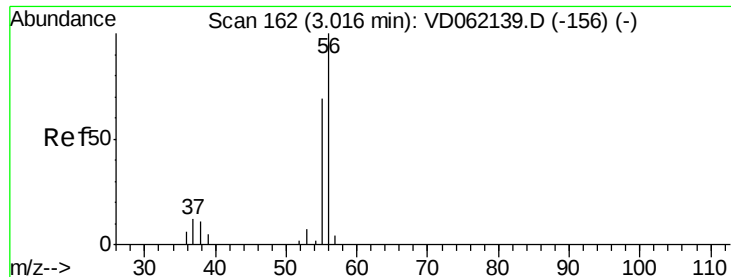
Tgt Ion: 59 Resp: 235650
Ion Ratio Lower Upper
59 100
57 8.5 6.9 10.3



#12
1,1-Dichloroethene
Concen: 100.313 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 96 Resp: 736120
Ion Ratio Lower Upper
96 100
61 163.9 129.8 194.8
98 64.1 51.2 76.8

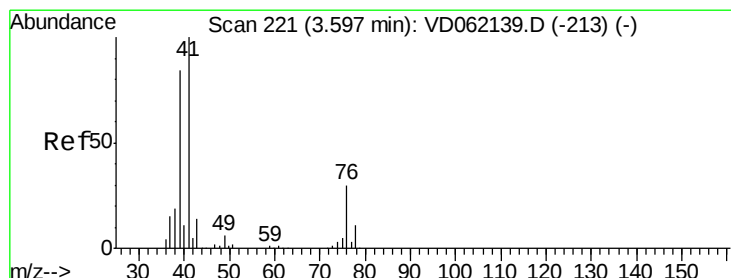
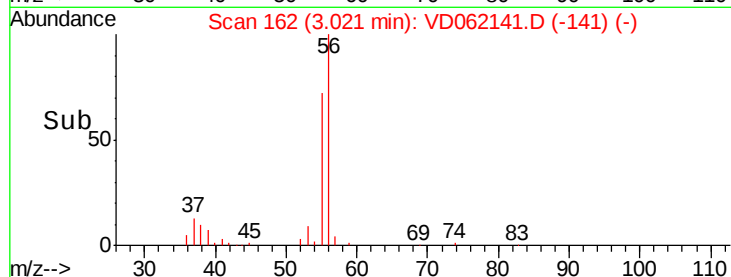
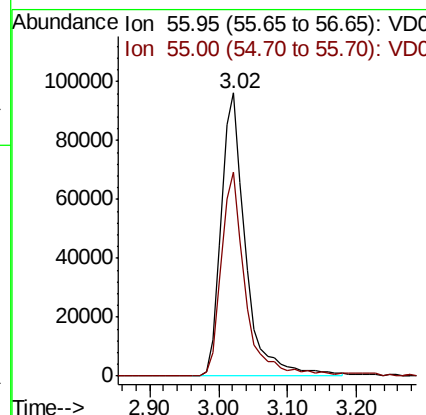
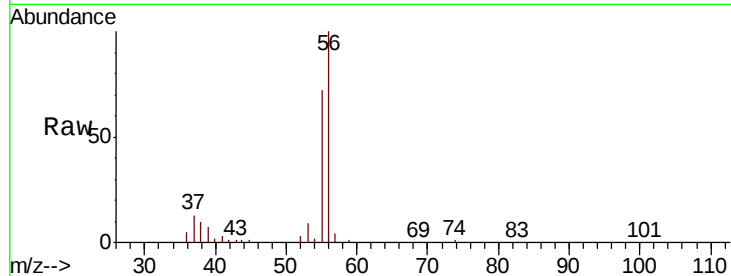




#13
Acrolein
Concen: 567.835 ug/l
RT: 3.02 min Scan# 162
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

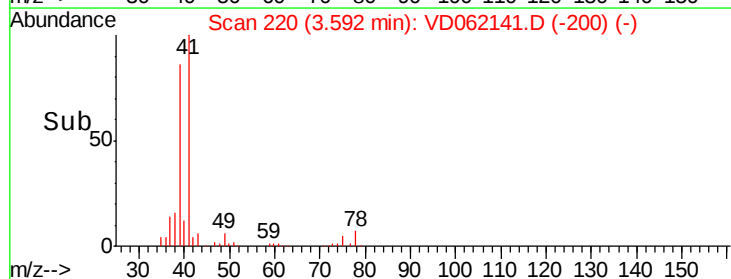
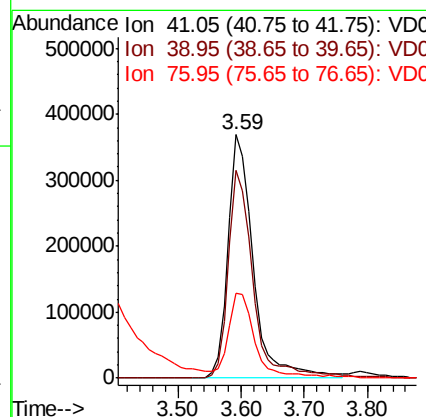
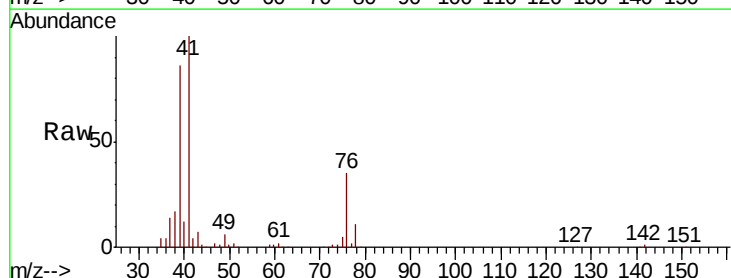
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 236484
Ion Ratio Lower Upper
56 100
55 72.3 51.4 77.2



#14
Allyl chloride
Concen: 100.397 ug/l
RT: 3.59 min Scan# 220
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 41 Resp: 1028633
Ion Ratio Lower Upper
41 100
39 85.5 60.5 90.7
76 34.7 31.8 47.8





#15

Acrylonitrile

Concen: 544.635 ug/l

RT: 4.17 min Scan# 279

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

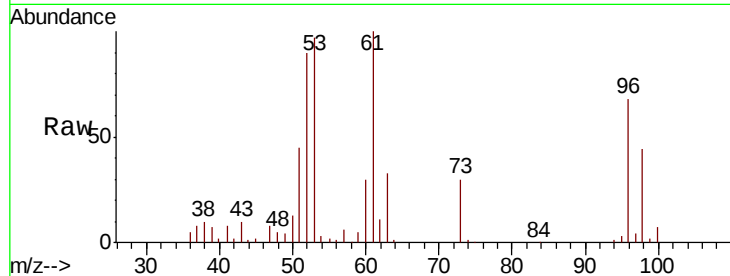
Tgt Ion: 53 Resp: 590937

Ion Ratio Lower Upper

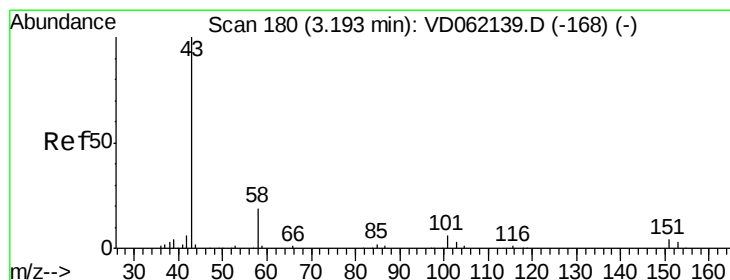
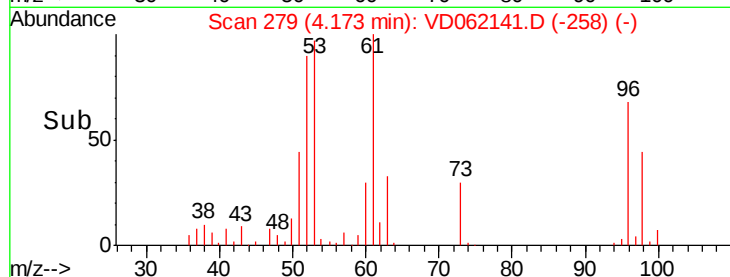
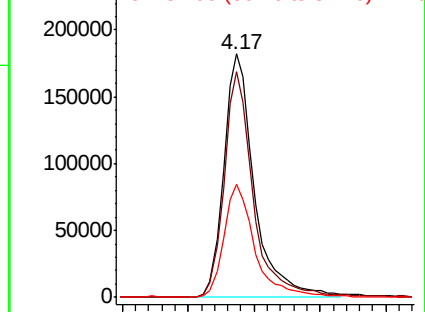
53 100

52 92.7 65.0 97.4

51 46.4 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 498.820 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD062141.D

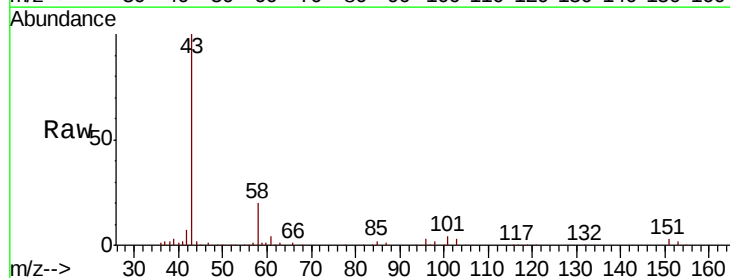
Acq: 7 May 2019 14:03

Tgt Ion: 43 Resp: 882546

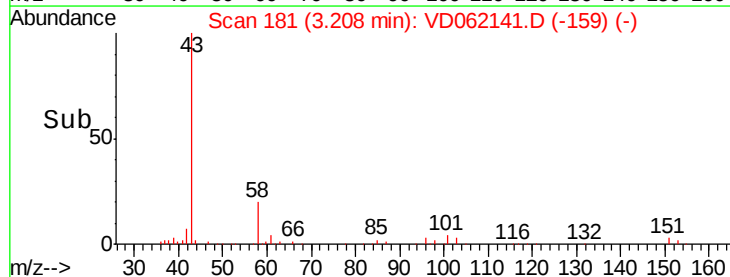
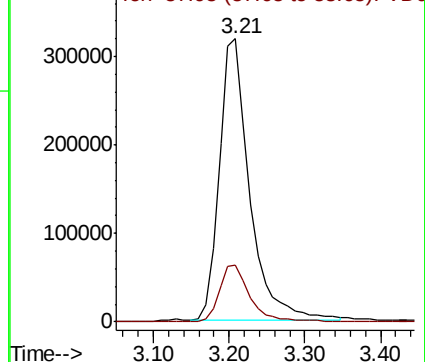
Ion Ratio Lower Upper

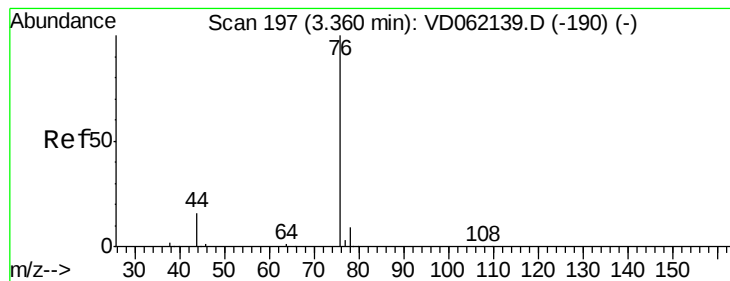
43 100

58 19.9 19.9 29.9#



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





#17

Carbon Disulfide

Concen: 115.501 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

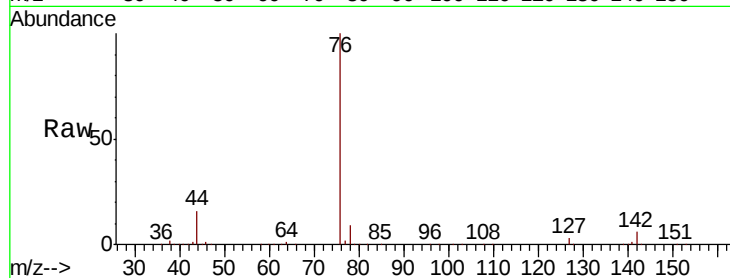
VSTDIC100

Tgt Ion: 76 Resp: 2321775

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

3.36

800000

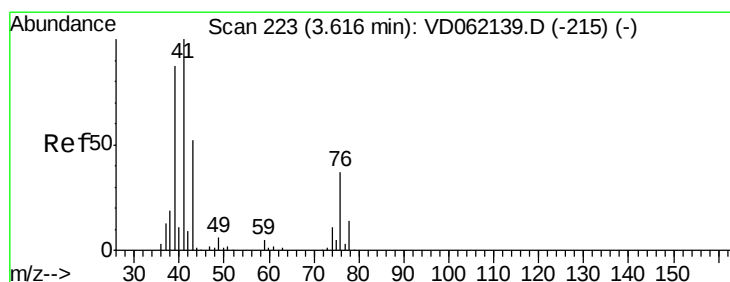
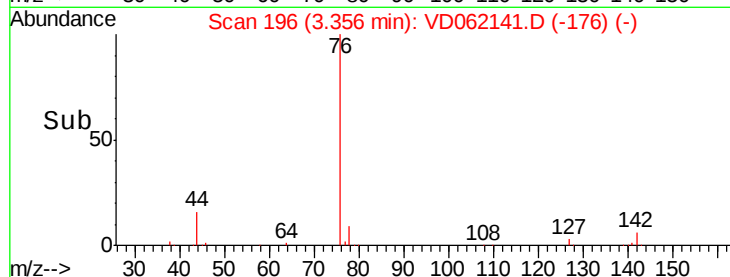
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 106.569 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD062141.D

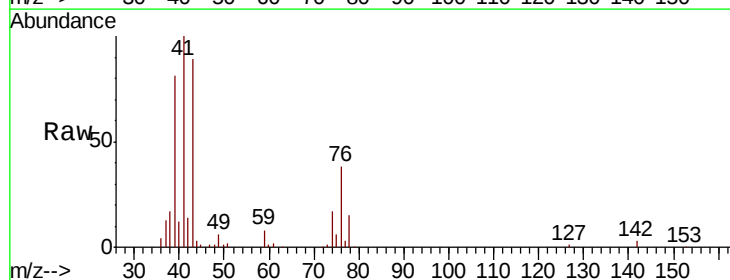
Acq: 7 May 2019 14:03

Tgt Ion: 43 Resp: 319603

Ion Ratio Lower Upper

43 100

74 19.0 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

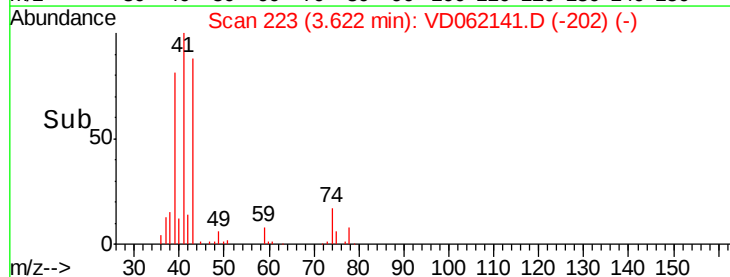
3.62

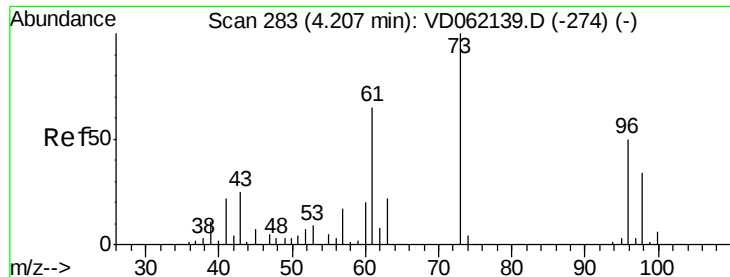
100000

50000

0

Time-->

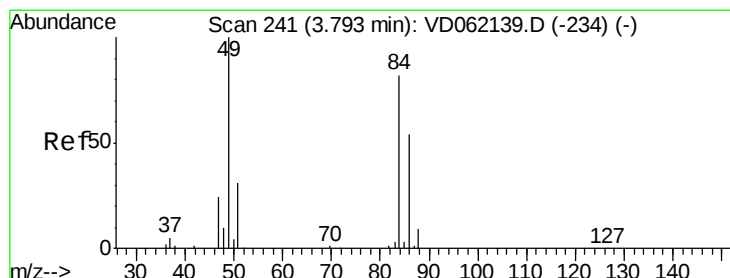
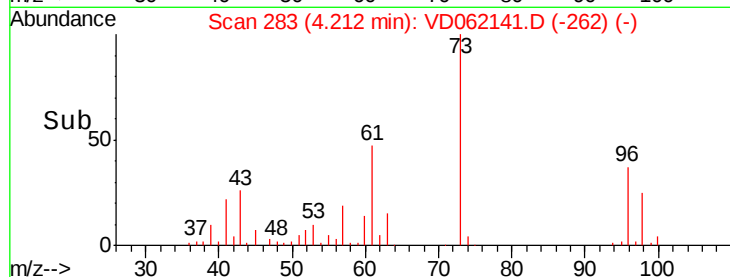
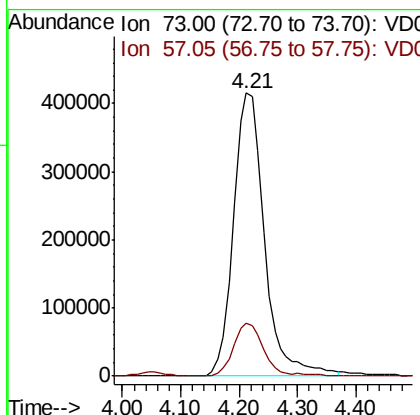
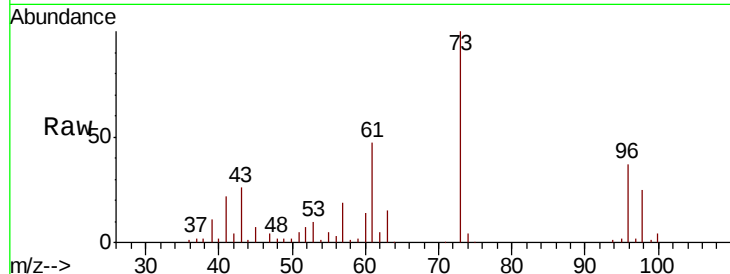




#19
Methyl tert-butyl Ether
Concen: 104.745 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

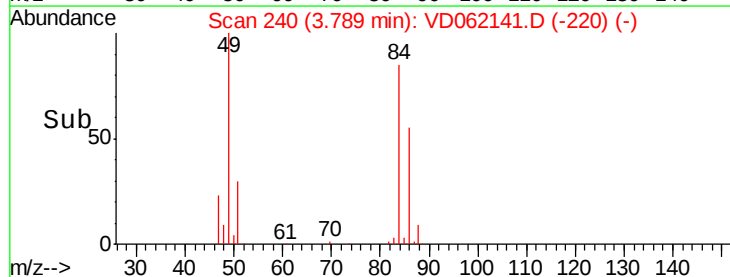
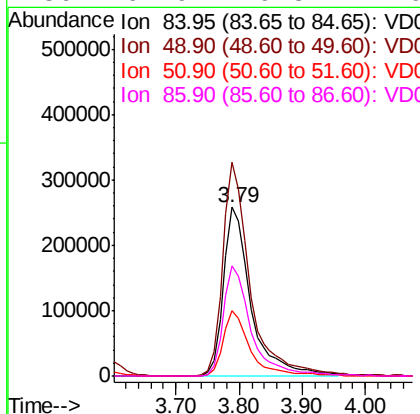
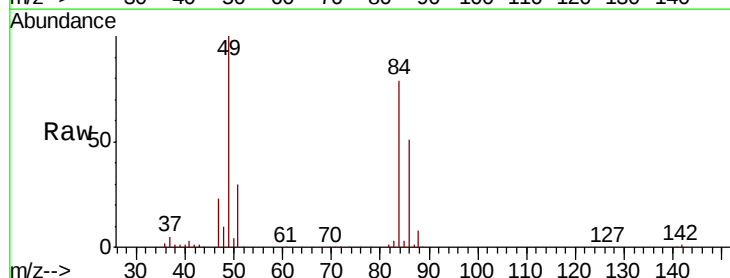
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

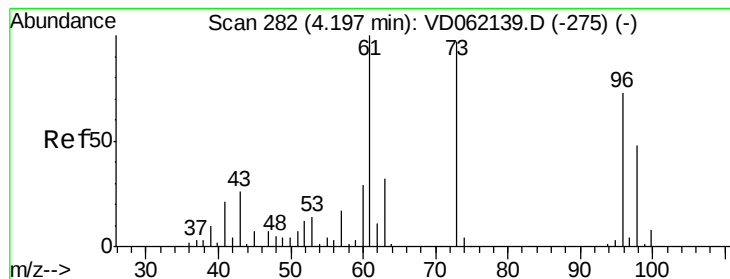
Tgt Ion: 73 Resp: 1530962
Ion Ratio Lower Upper
73 100
57 18.8 16.3 24.5



#20
Methylene Chloride
Concen: 112.433 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 84 Resp: 786600
Ion Ratio Lower Upper
84 100
49 126.6 94.0 141.0
51 38.5 29.0 43.4
86 64.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 100.067 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

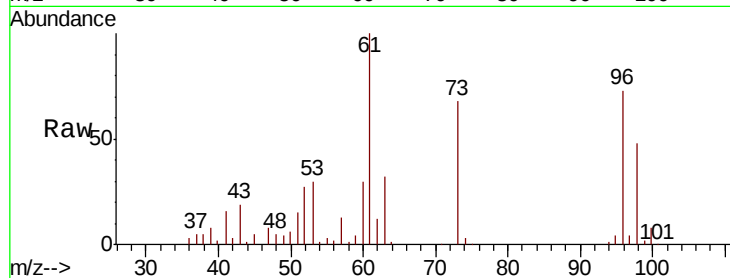
Tgt Ion: 96 Resp: 798296

Ion Ratio Lower Upper

96 100

61 137.1 104.4 156.6

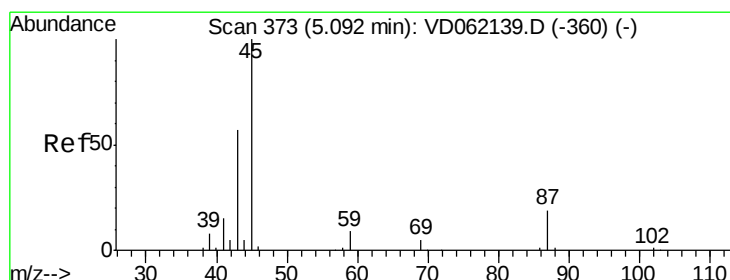
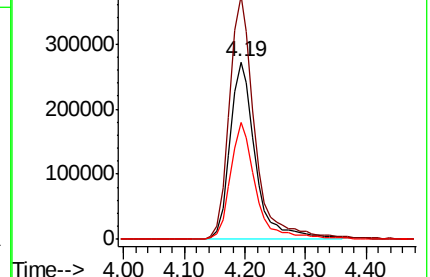
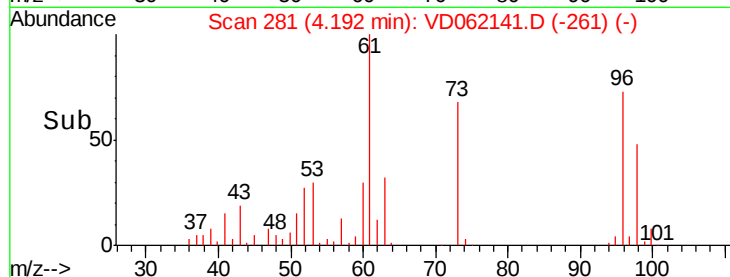
98 65.6 51.8 77.8



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: 106.833 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tgt Ion: 45 Resp: 2236050

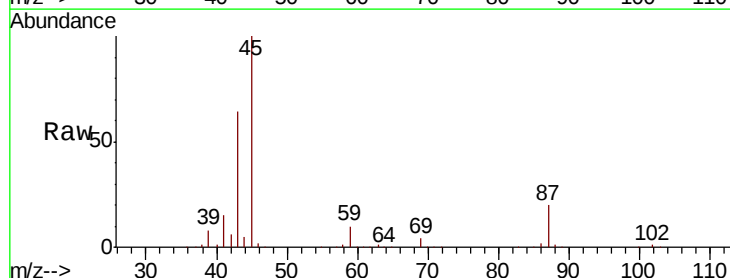
Ion Ratio Lower Upper

45 100

43 64.1 46.2 69.2

87 19.9 15.9 23.9

59 9.7 7.9 11.9

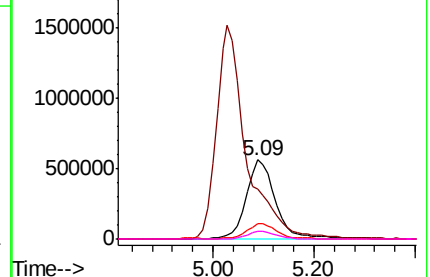
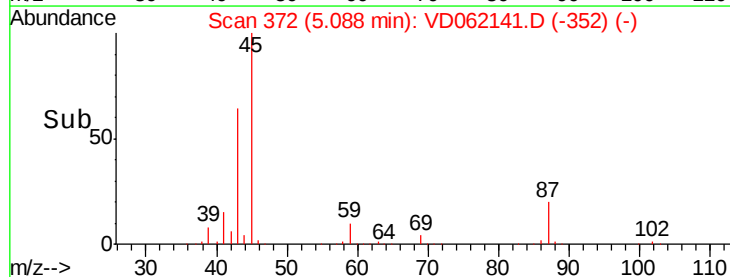


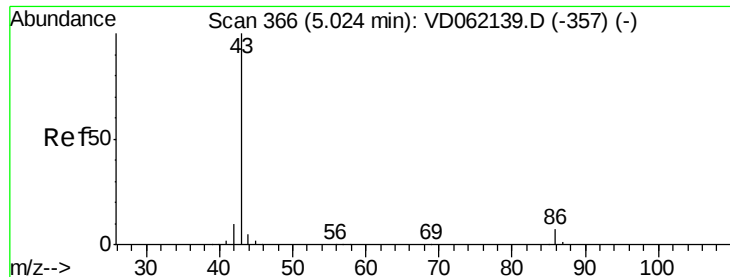
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 540.130 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

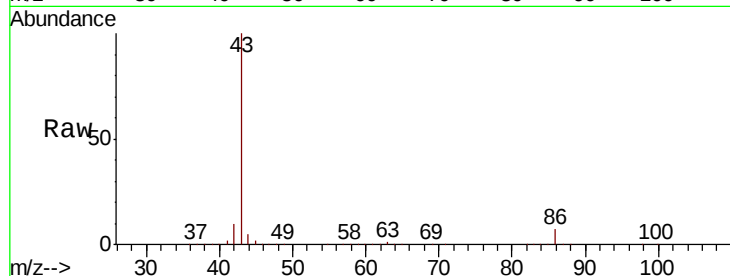
VSTDIC100

Tgt Ion: 43 Resp: 6183766

Ion Ratio Lower Upper

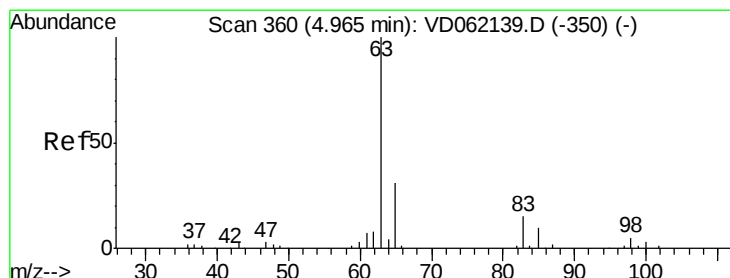
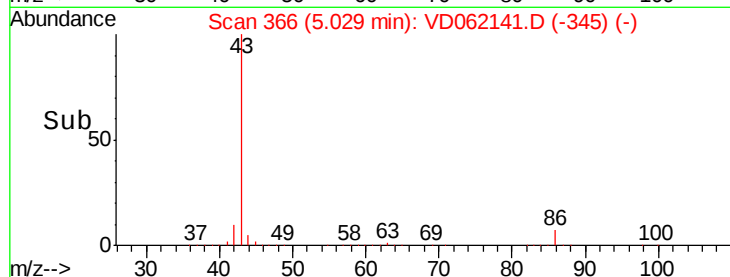
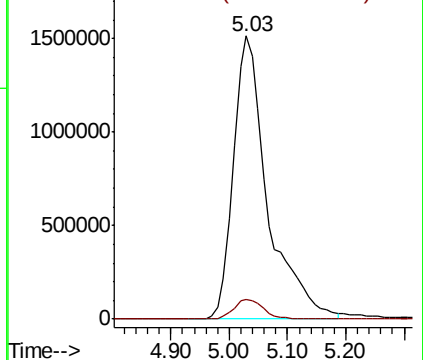
43 100

86 6.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 117.520 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

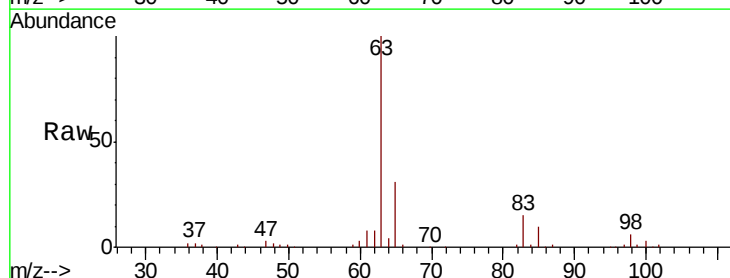
Tgt Ion: 63 Resp: 1444695

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

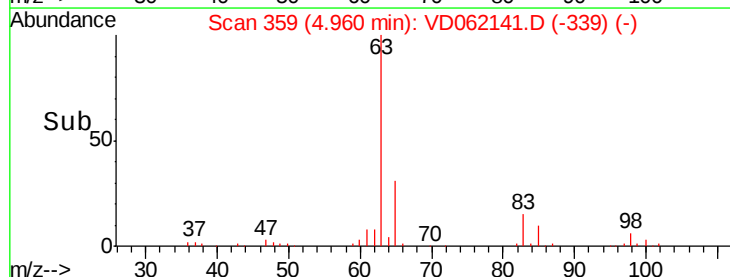
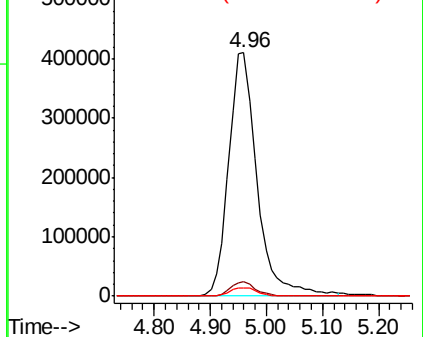
100 3.4 1.8 5.5

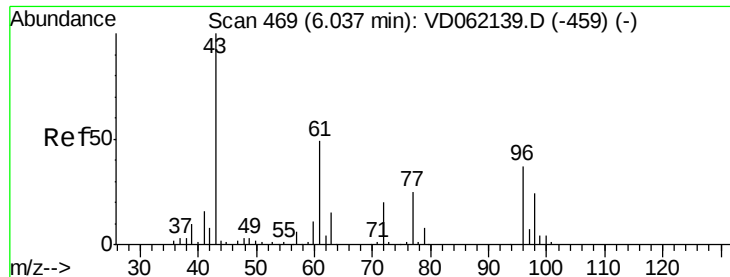


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 589.179 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

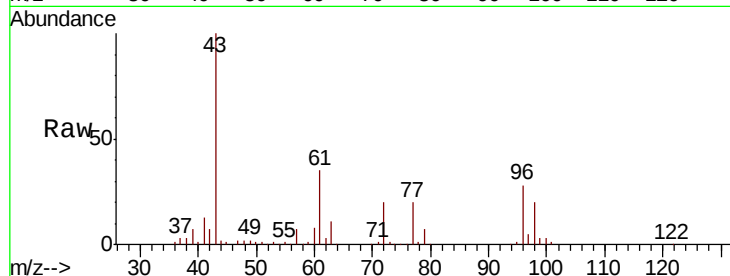
VSTDIC100

Tgt Ion: 43 Resp: 1065404

Ion Ratio Lower Upper

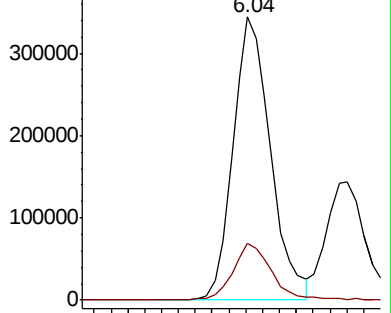
43 100

72 20.2 16.2 24.4

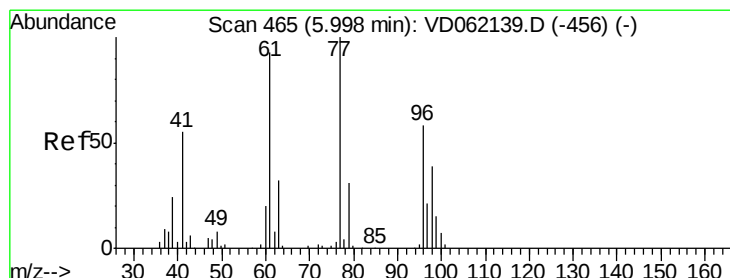
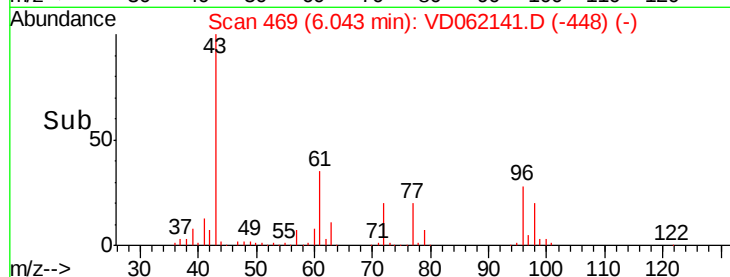


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 108.288 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD062141.D

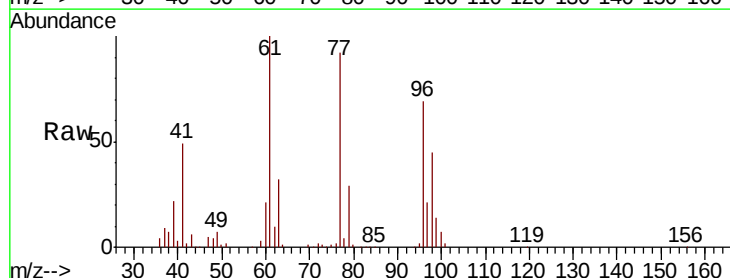
Acq: 7 May 2019 14:03

Tgt Ion: 77 Resp: 1318556

Ion Ratio Lower Upper

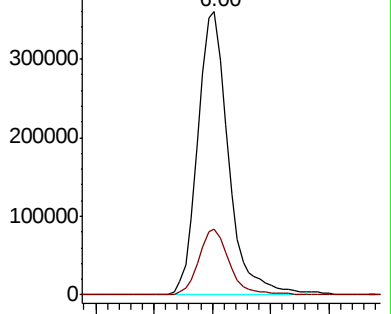
77 100

97 23.3 11.9 35.9

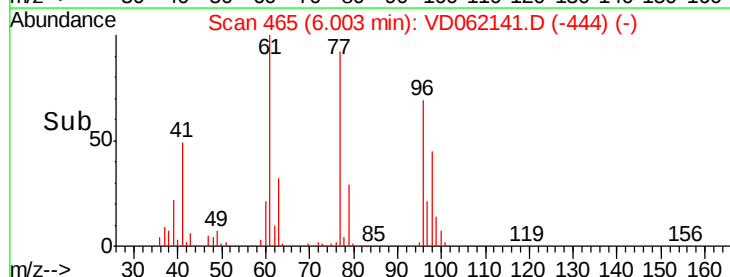


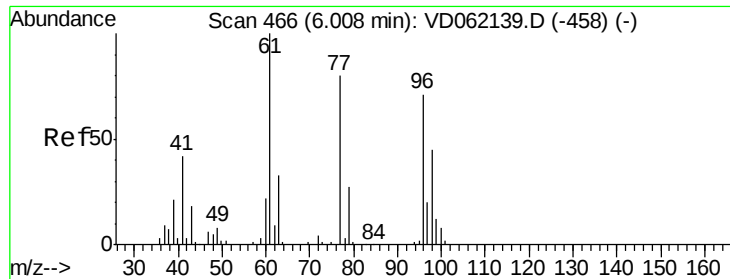
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



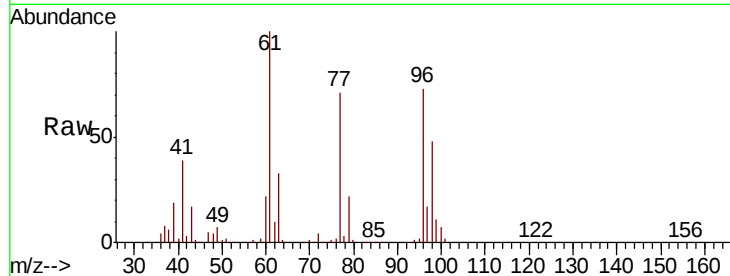


#27

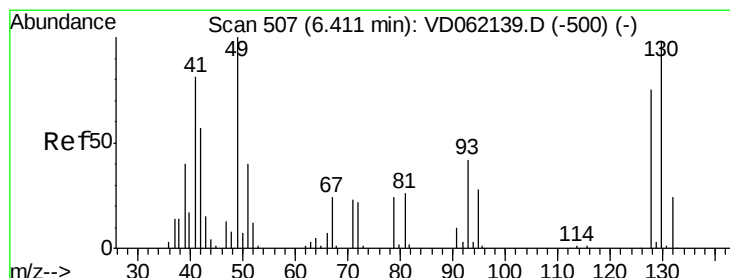
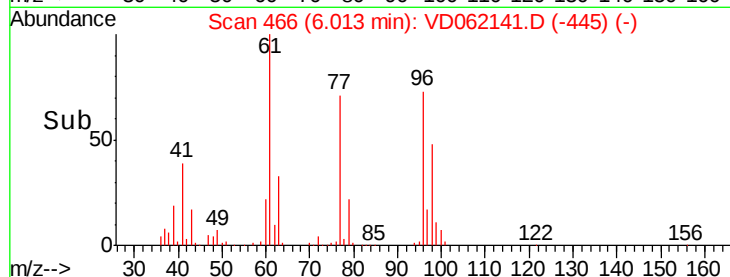
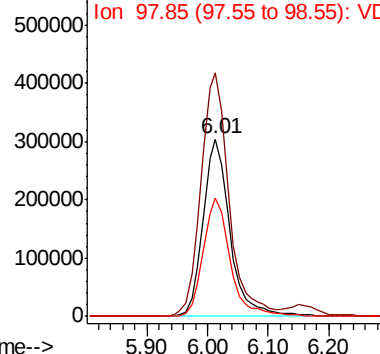
cis-1,2-Dichloroethene
 Concen: 114.050 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 96 Resp: 938252
 Ion Ratio Lower Upper
 96 100
 61 137.4 0.0 279.8
 98 66.5 0.0 136.0



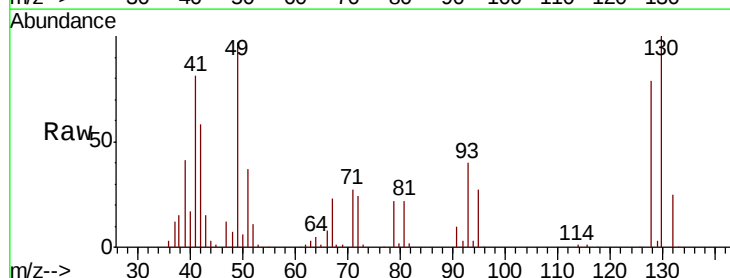
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



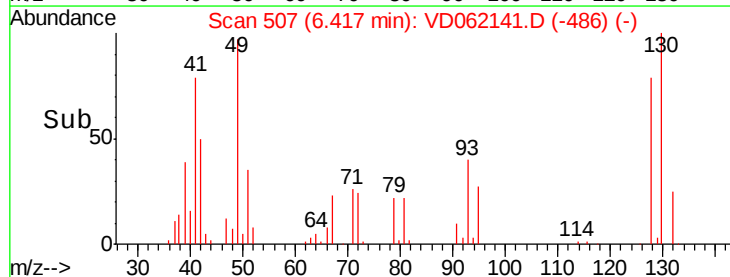
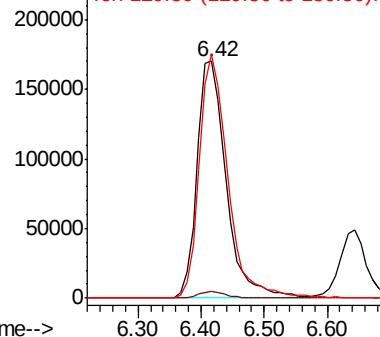
#28

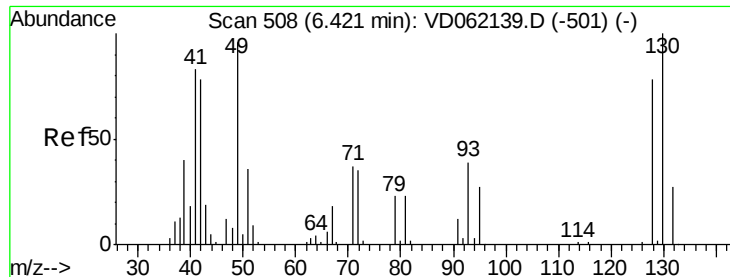
Bromochloromethane
 Concen: 111.441 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 49 Resp: 545075
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 6.6
 130 102.9 86.7 130.1



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

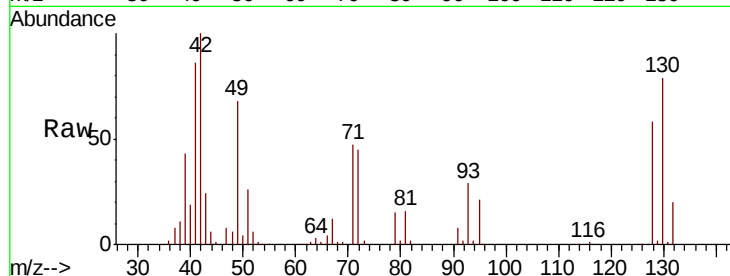




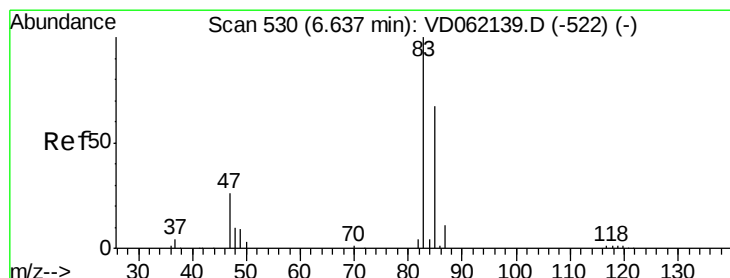
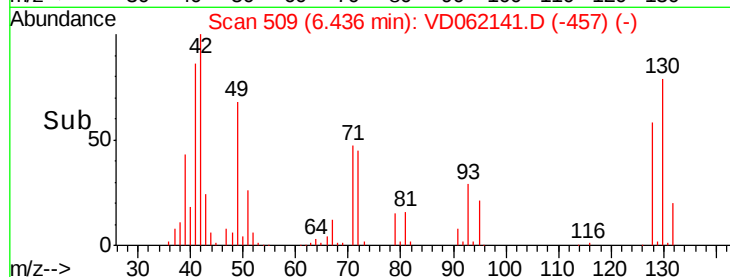
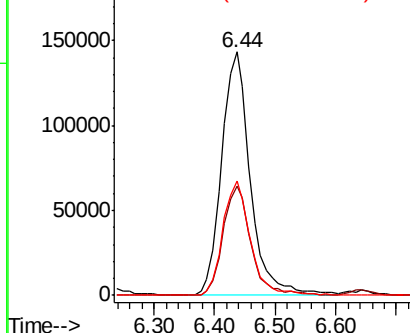
#29
Tetrahydrofuran
Concen: 585.200 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 472477
Ion Ratio Lower Upper
42 100
72 43.3 37.8 56.6
71 45.0 36.7 55.1

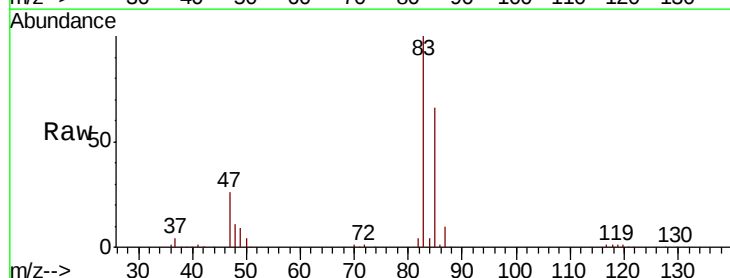


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

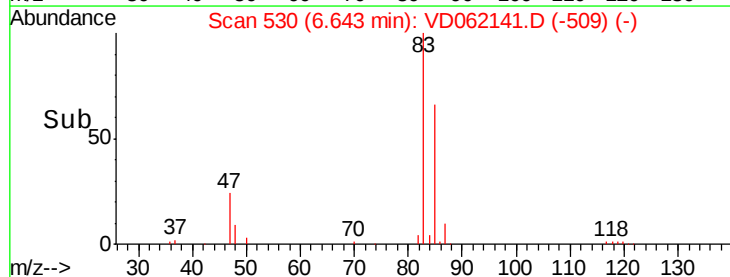
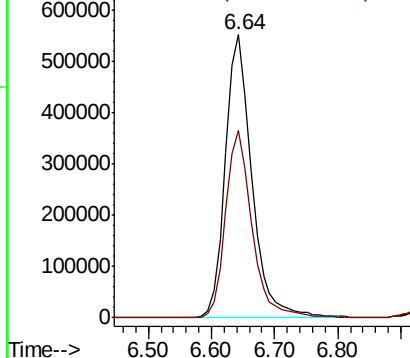


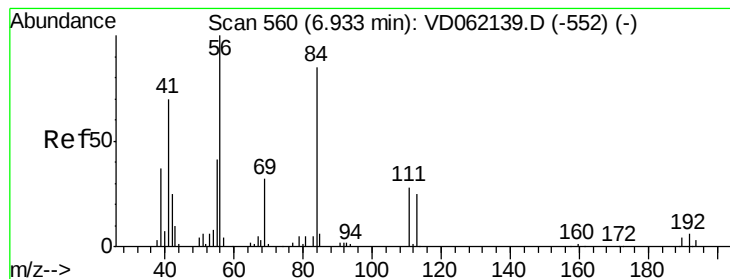
#30
Chloroform
Concen: 106.325 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 83 Resp: 1614923
Ion Ratio Lower Upper
83 100
85 66.1 51.7 77.5



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





#31

Cyclohexane

Concen: 104.552 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

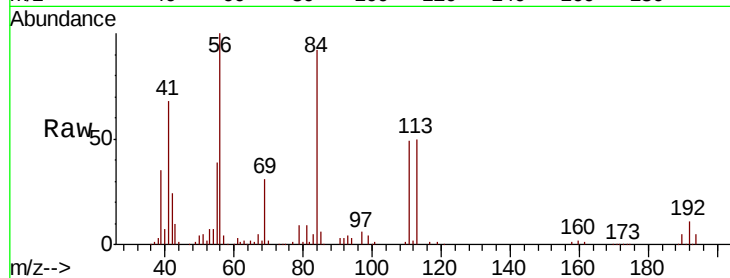
Tgt Ion: 56 Resp: 928443

Ion Ratio Lower Upper

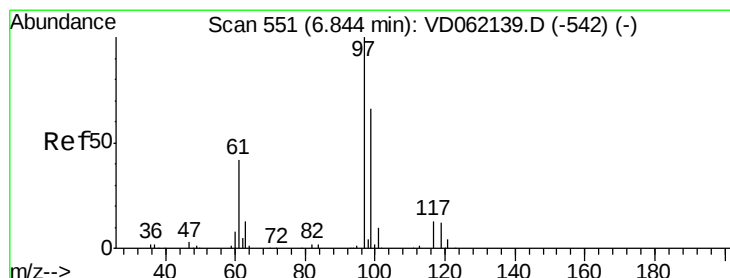
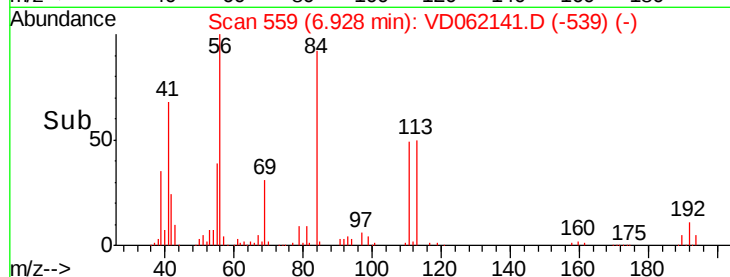
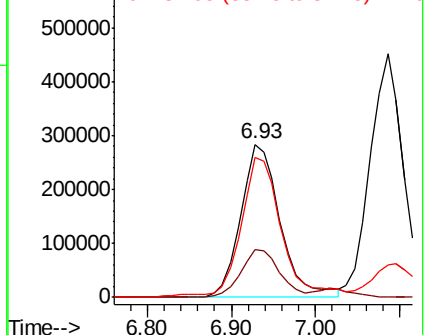
56 100

69 30.9 25.8 38.6

84 92.0 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: 97.342 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

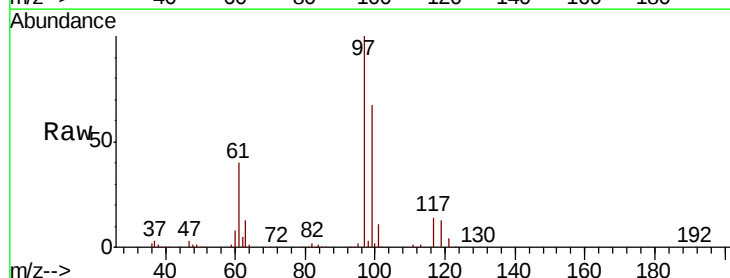
Tgt Ion: 97 Resp: 1431008

Ion Ratio Lower Upper

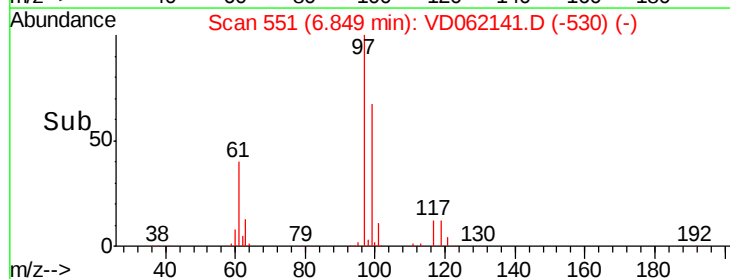
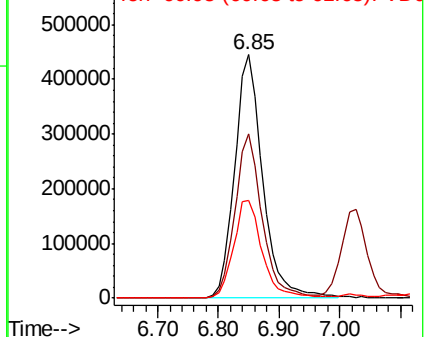
97 100

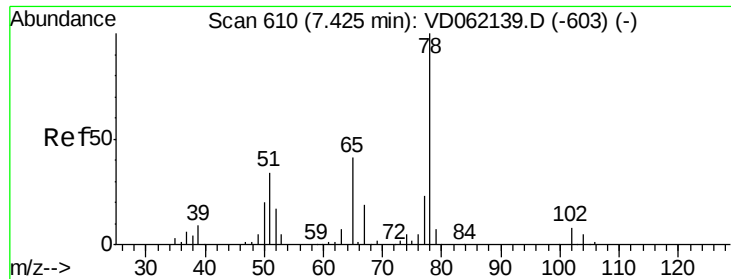
99 67.4 52.2 78.2

61 40.4 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: 102.146 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

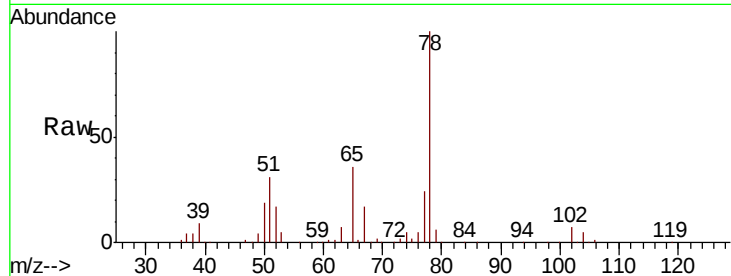
VSTDIC100

Tgt Ion: 65 Resp: 860490

Ion Ratio Lower Upper

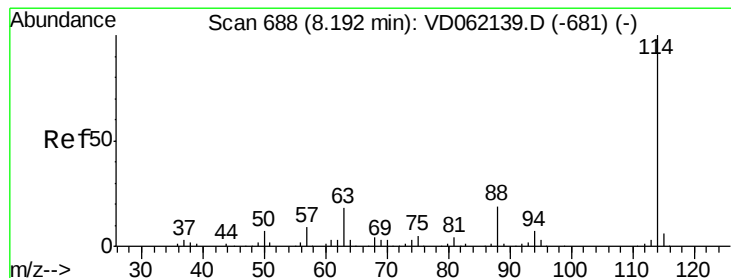
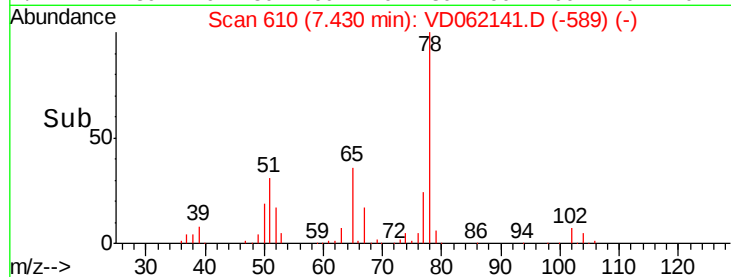
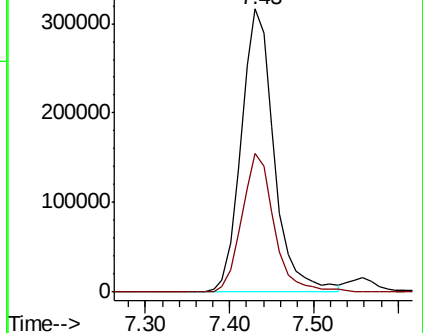
65 100

67 48.9 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: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

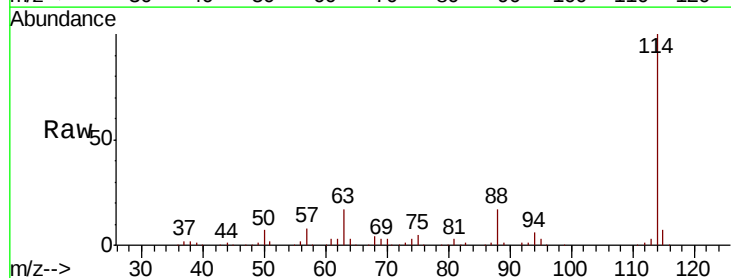
Tgt Ion: 114 Resp: 1302319

Ion Ratio Lower Upper

114 100

63 17.0 0.0 32.4

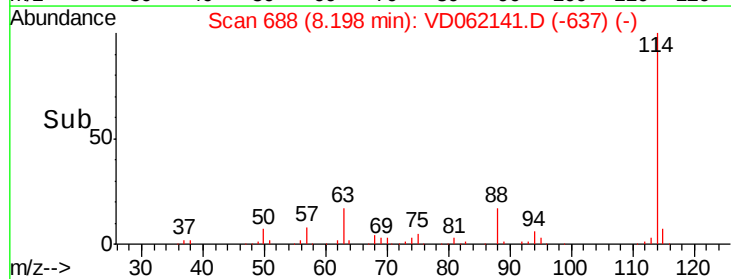
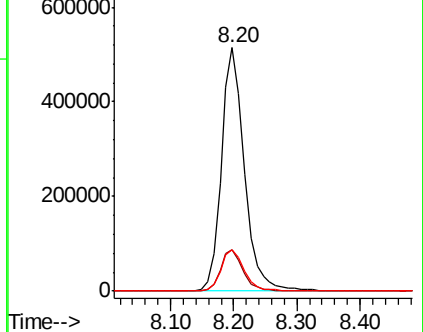
88 17.1 0.0 33.6

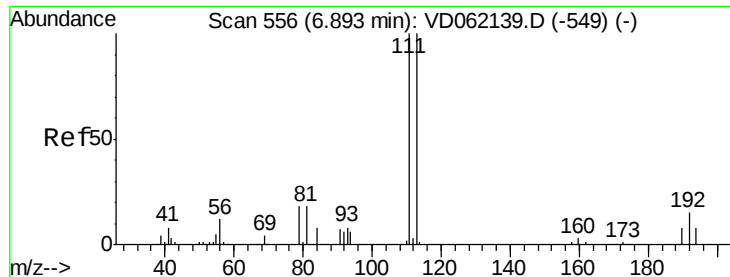


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

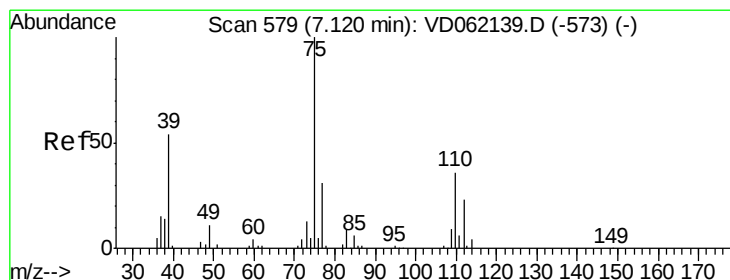
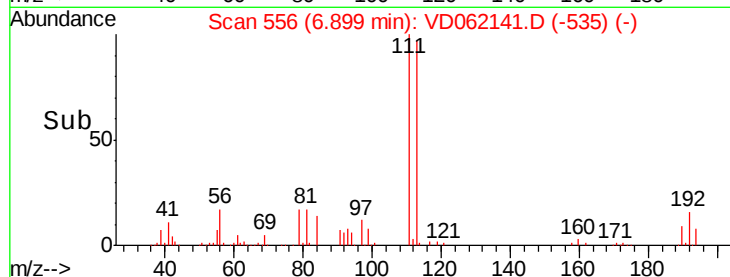
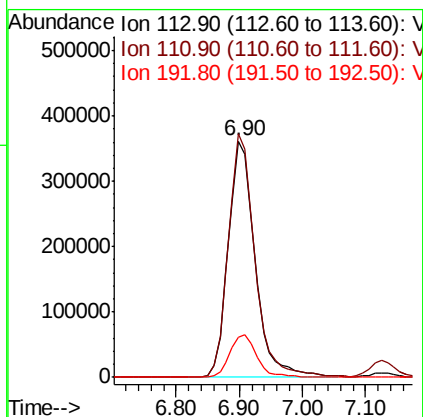
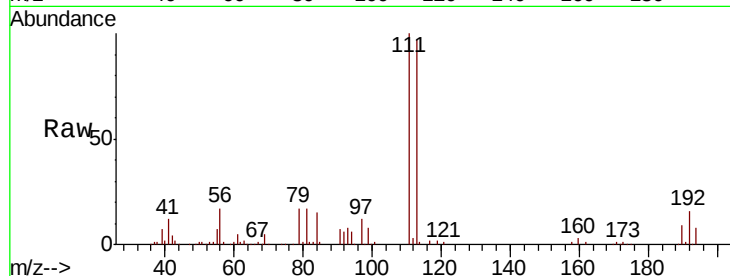




#35
 Dibromofluoromethane
 Concen: 90.226 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

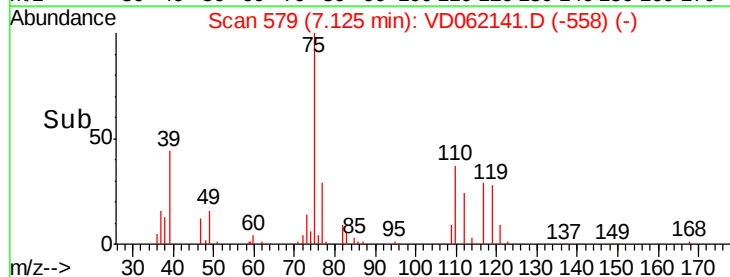
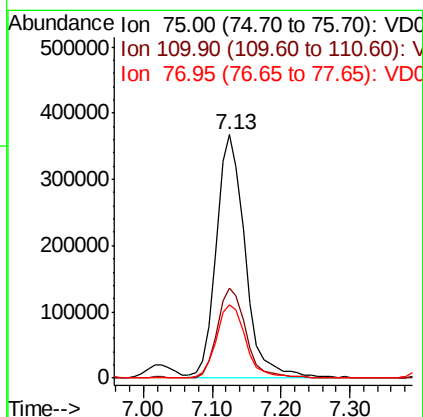
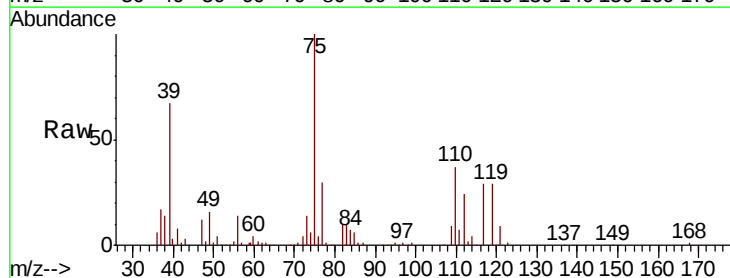
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

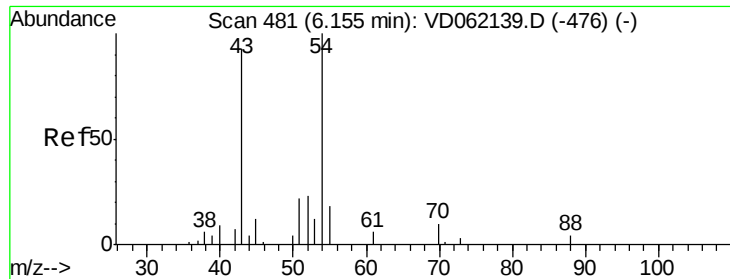
Tgt Ion:113 Resp: 1062839
 Ion Ratio Lower Upper
 113 100
 111 103.1 78.5 117.7
 192 17.0 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 97.322 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 75 Resp: 1056585
 Ion Ratio Lower Upper
 75 100
 110 37.0 19.1 57.1
 77 30.0 25.6 38.4





#37

Ethyl Acetate

Concen: 100.000 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

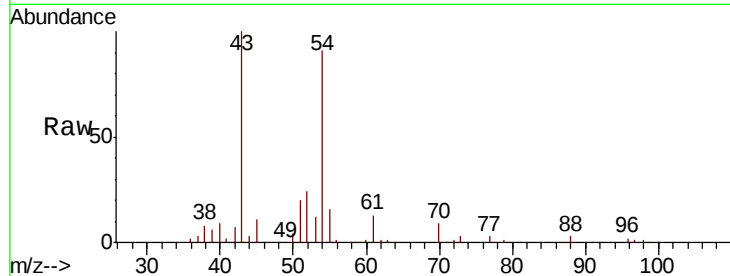
Tgt Ion: 43 Resp: 470673

Ion Ratio Lower Upper

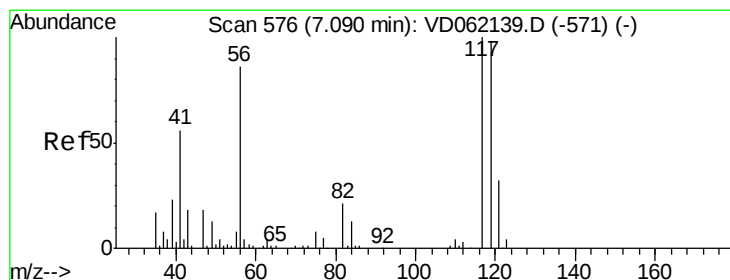
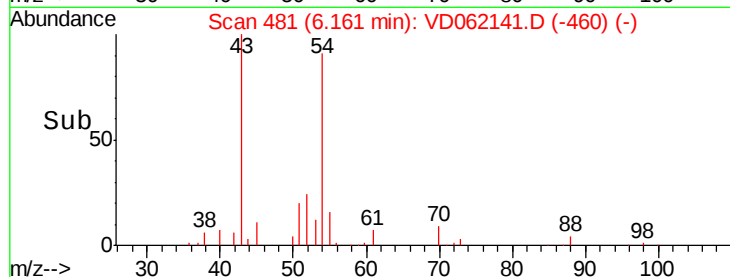
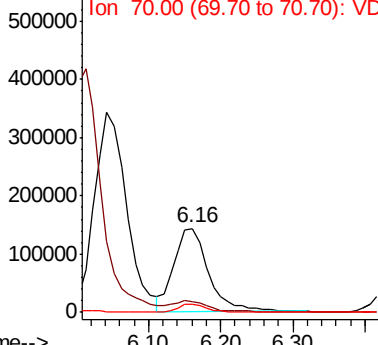
43 100

61 13.5 14.7 22.1#

70 9.1 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 97.346 ug/l

RT: 7.10 min Scan# 576

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

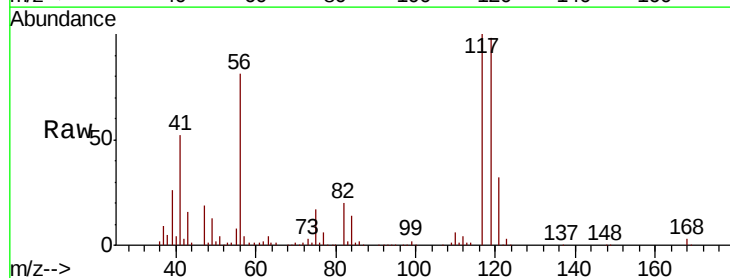
Tgt Ion: 117 Resp: 1498407

Ion Ratio Lower Upper

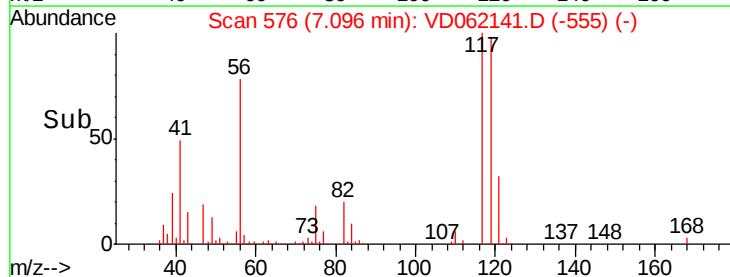
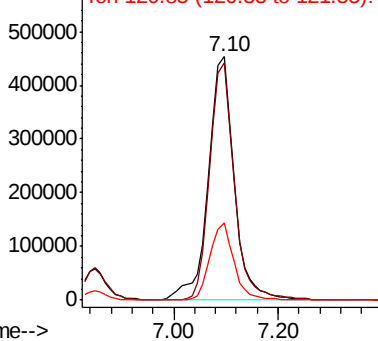
117 100

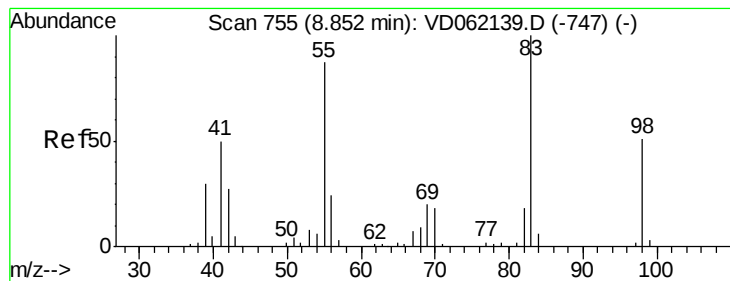
119 97.7 75.8 113.8

121 31.9 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 93.869 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

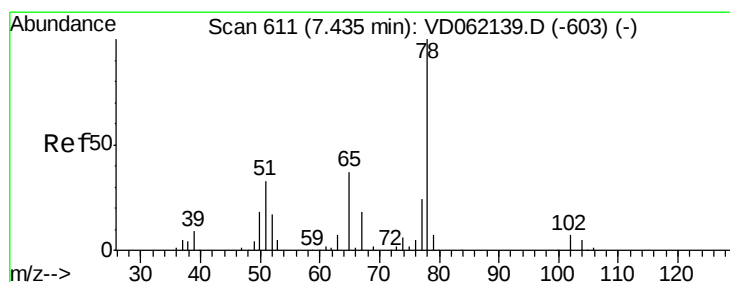
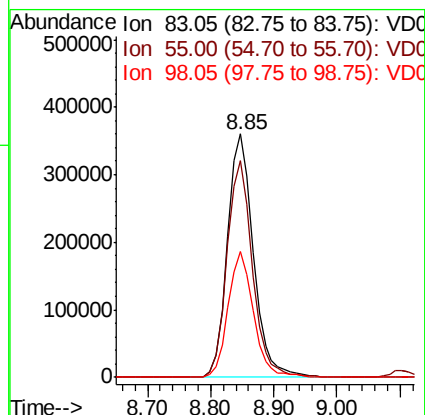
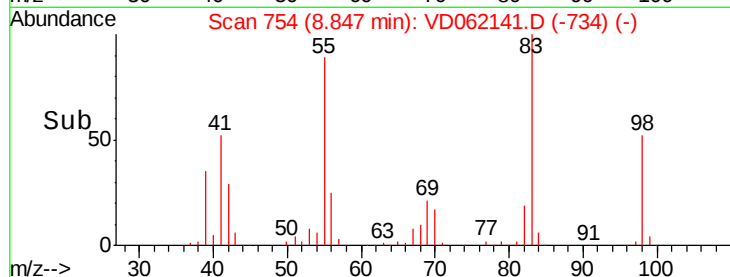
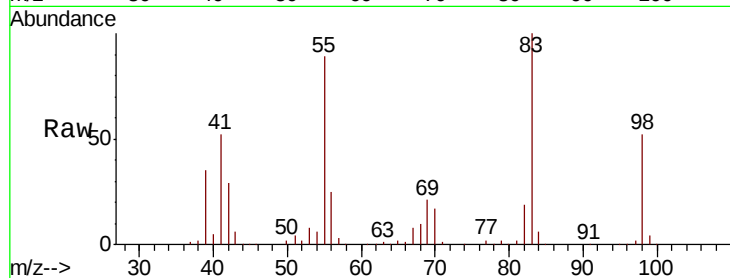
Tgt Ion: 83 Resp: 1024451

Ion Ratio Lower Upper

83 100

55 89.0 68.2 102.4

98 51.6 38.2 57.4



#40

Benzene

Concen: 105.452 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD062141.D

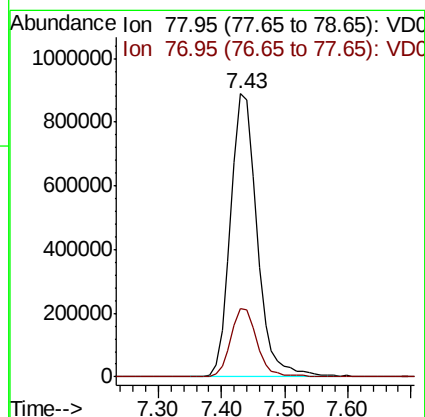
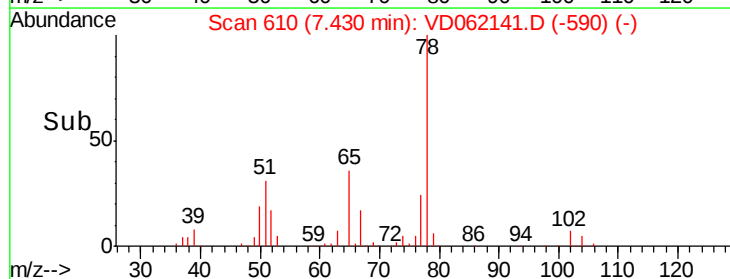
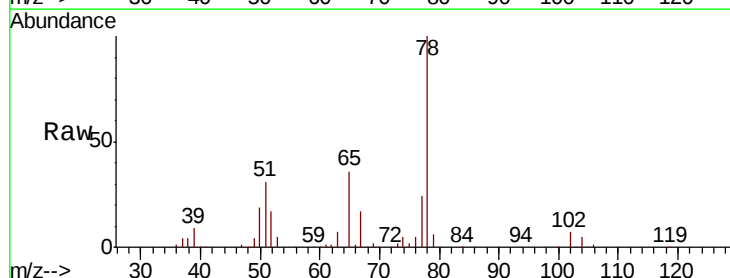
Acq: 7 May 2019 14:03

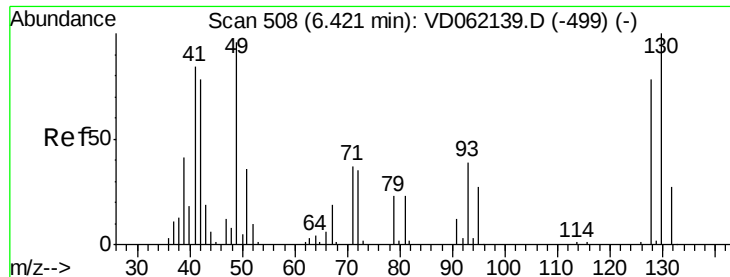
Tgt Ion: 78 Resp: 2596248

Ion Ratio Lower Upper

78 100

77 24.2 19.7 29.5

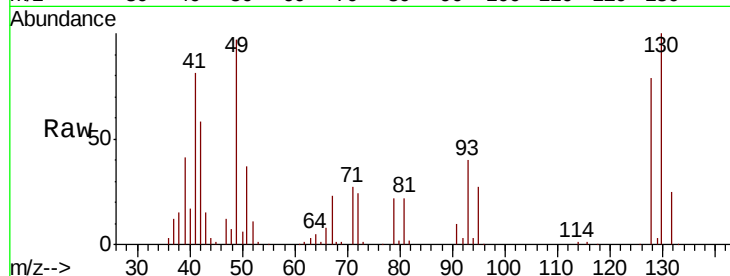




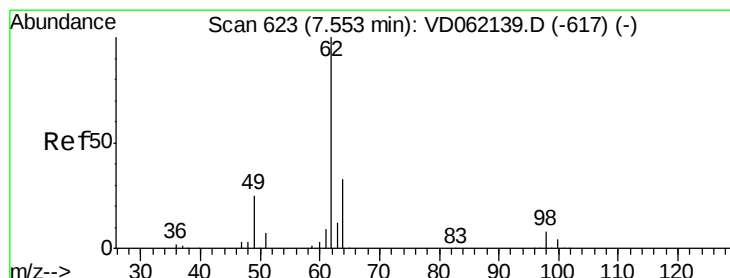
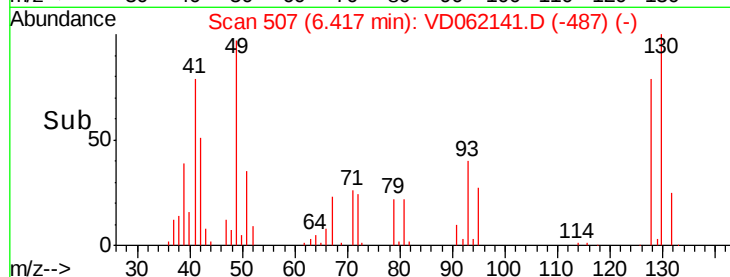
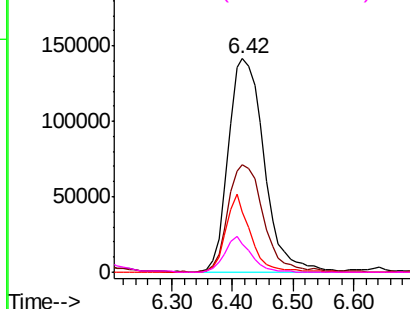
#41
Methacrylonitrile
Concen: 105.501 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 583374
Ion Ratio Lower Upper
41 100
39 50.3 34.1 51.1
67 28.5 23.8 35.6
52 13.2 8.8 13.2

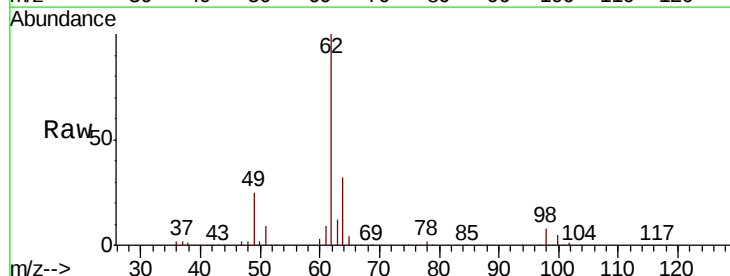


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

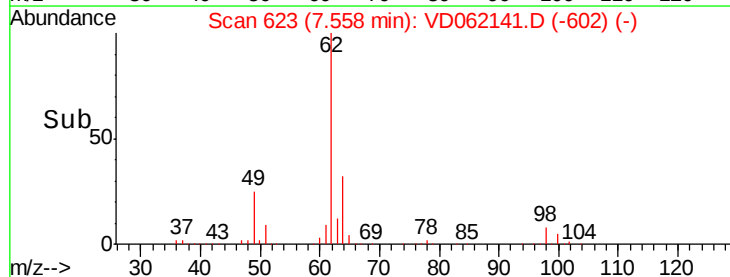
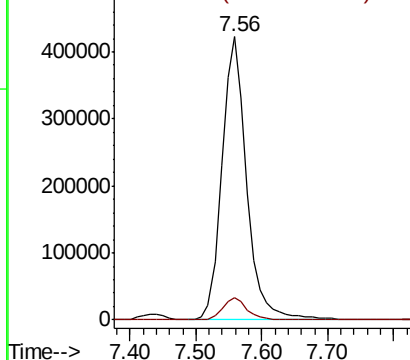


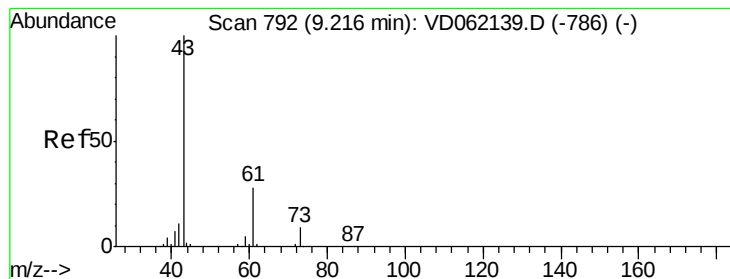
#42
1,2-Dichloroethane
Concen: 104.641 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 62 Resp: 1098904
Ion Ratio Lower Upper
62 100
98 7.7 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 109.033 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

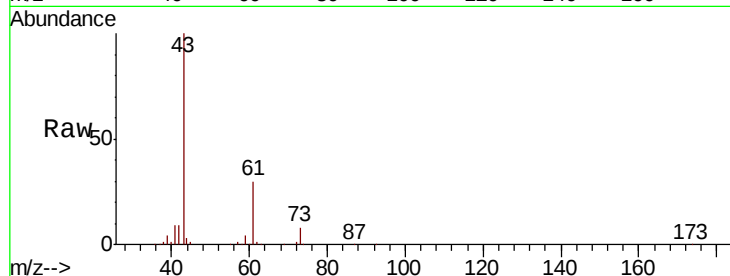
Tgt Ion: 43 Resp: 714084

Ion Ratio Lower Upper

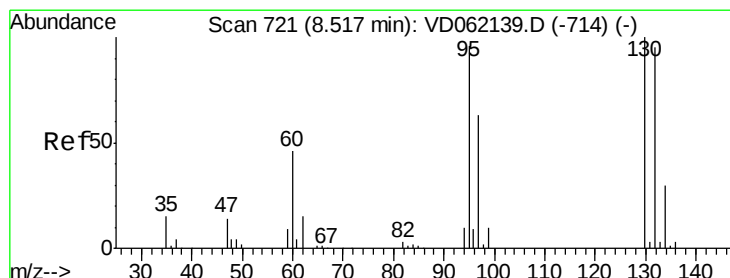
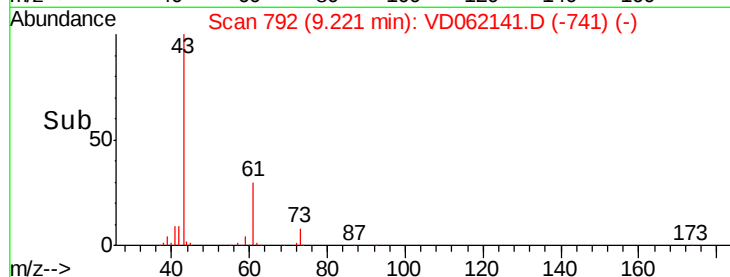
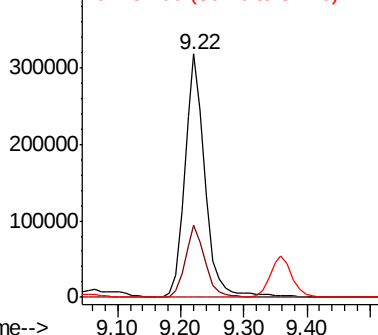
43 100

61 29.6 25.1 37.7

87 0.2 0.0 0.0#



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



#44

Trichloroethene

Concen: 102.375 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.01 min

Lab File: VD062141.D

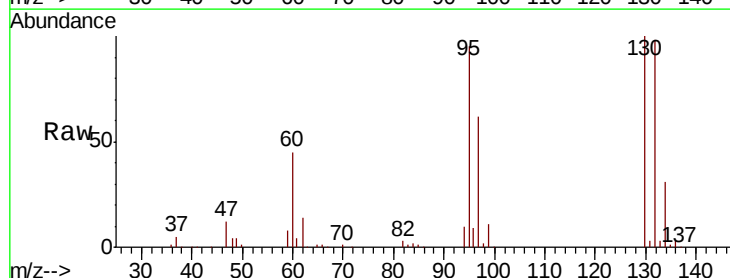
Acq: 7 May 2019 14:03

Tgt Ion: 130 Resp: 990902

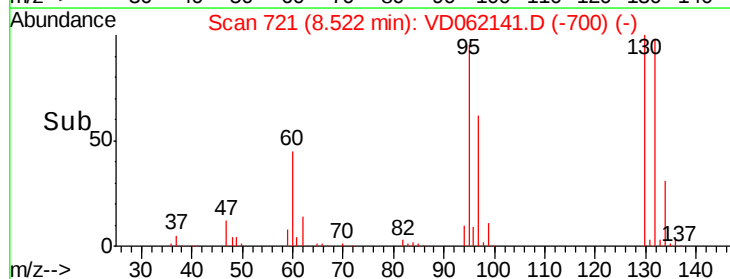
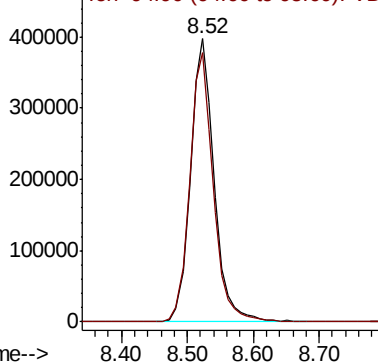
Ion Ratio Lower Upper

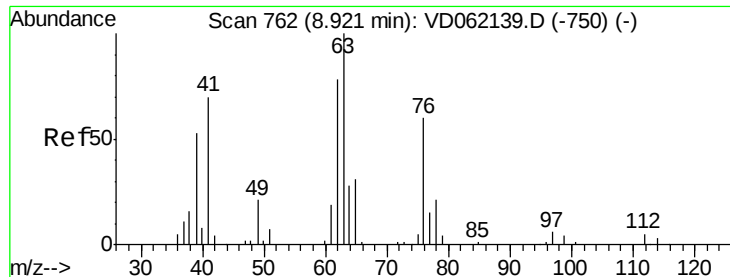
130 100

95 95.1 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 108.349 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

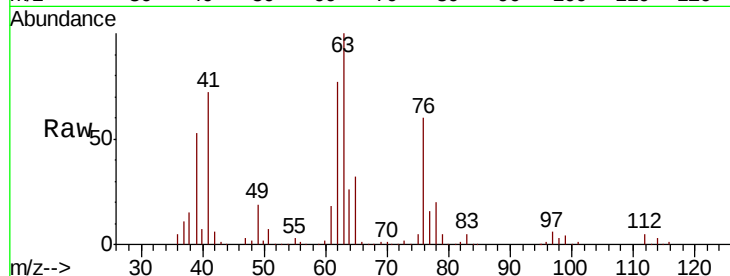
VSTDIC100

Tgt Ion: 63 Resp: 660353

Ion Ratio Lower Upper

63 100

65 31.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

250000

200000

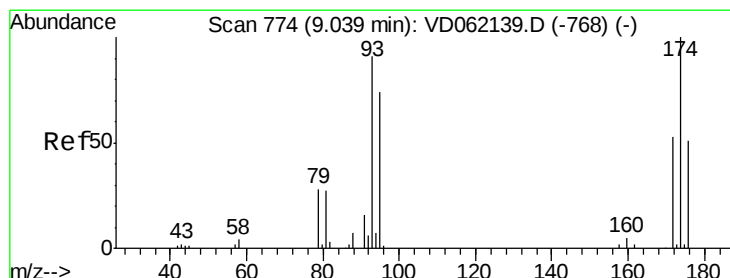
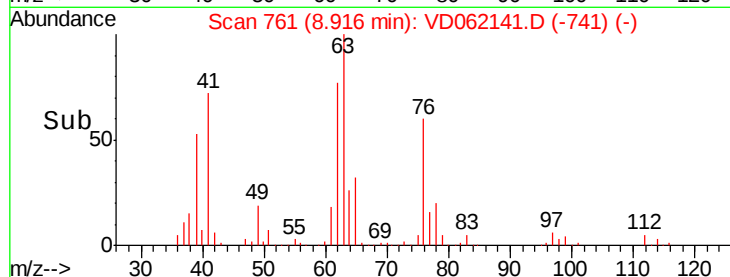
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 105.003 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

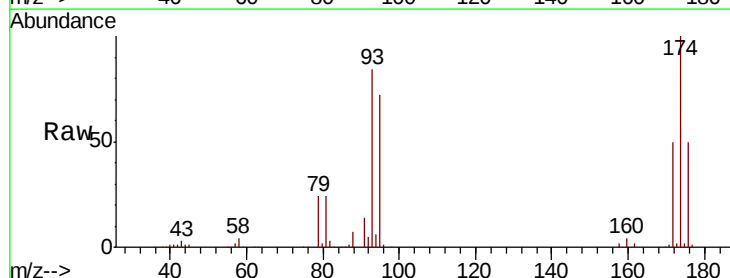
Tgt Ion: 93 Resp: 525163

Ion Ratio Lower Upper

93 100

95 85.1 64.8 97.2

174 118.4 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

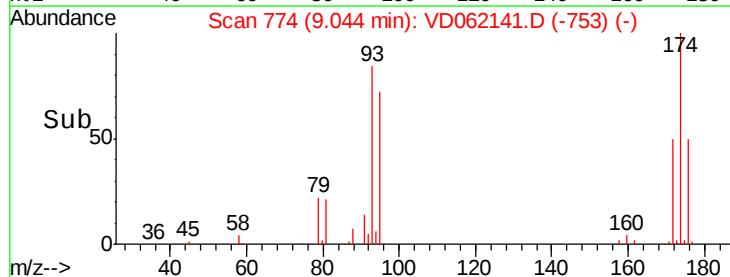
300000

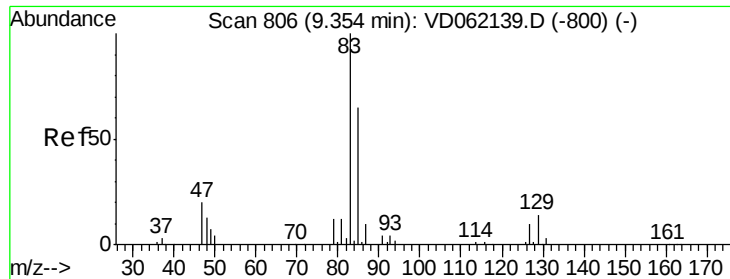
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 103.144 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

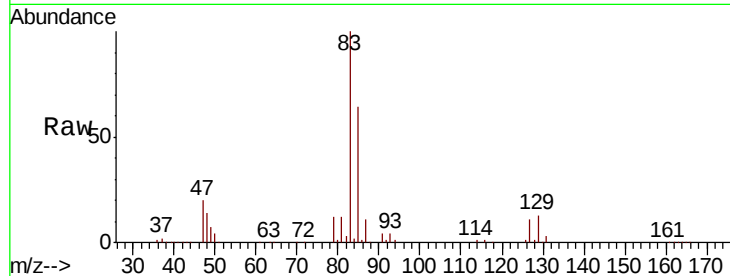
Tgt Ion: 83 Resp: 1259476

Ion Ratio Lower Upper

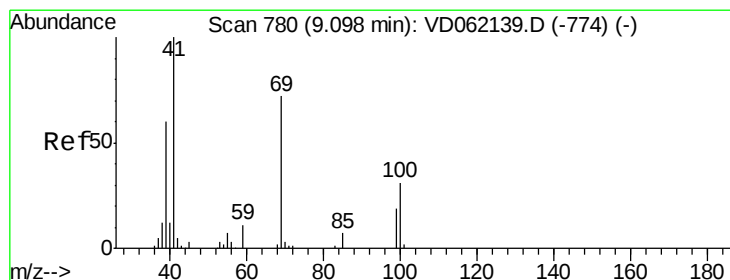
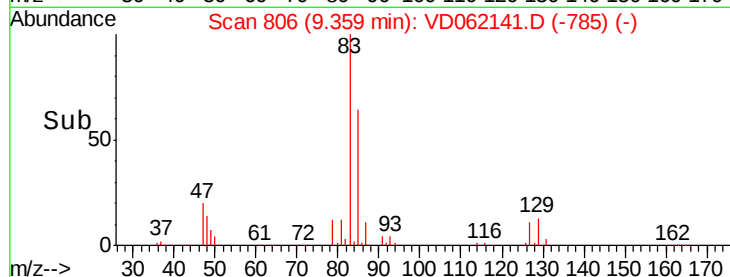
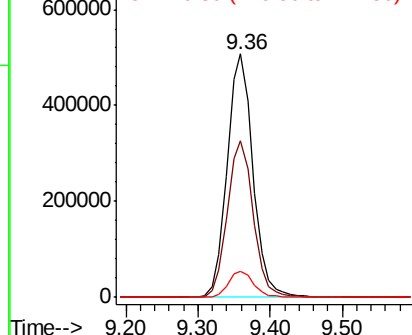
83 100

85 64.3 50.9 76.3

127 10.5 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: 101.961 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

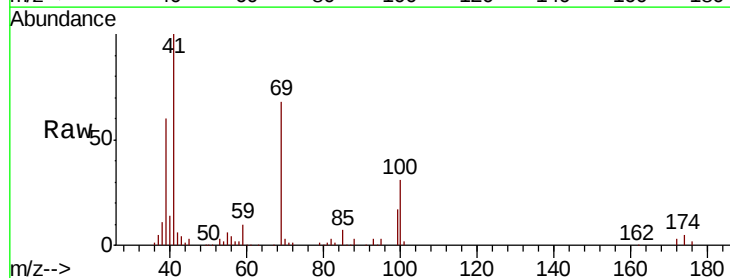
Tgt Ion: 41 Resp: 402326

Ion Ratio Lower Upper

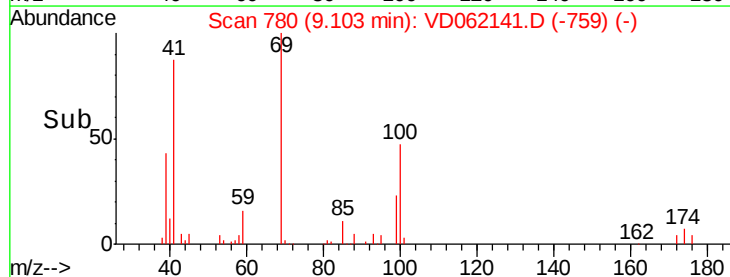
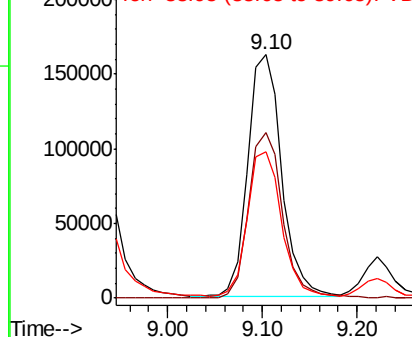
41 100

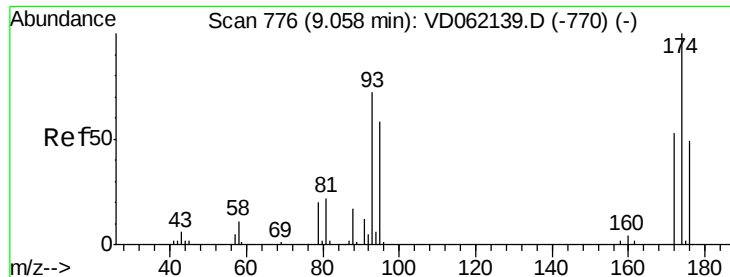
69 67.8 64.2 96.2

39 60.3 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

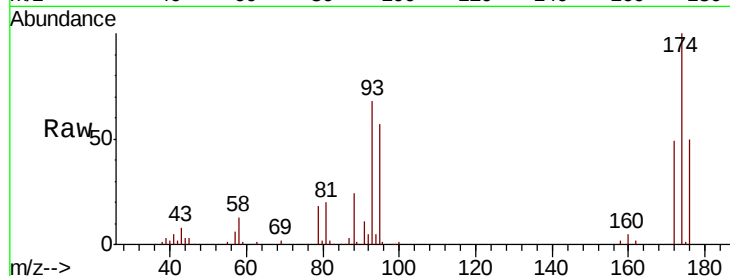




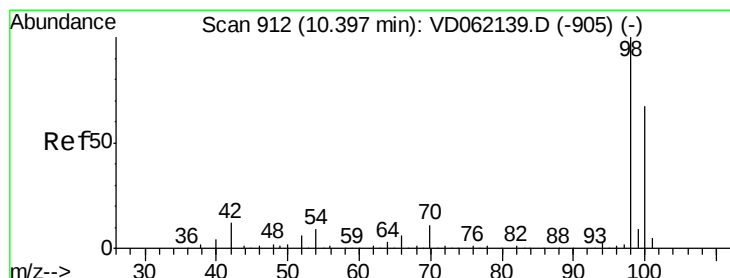
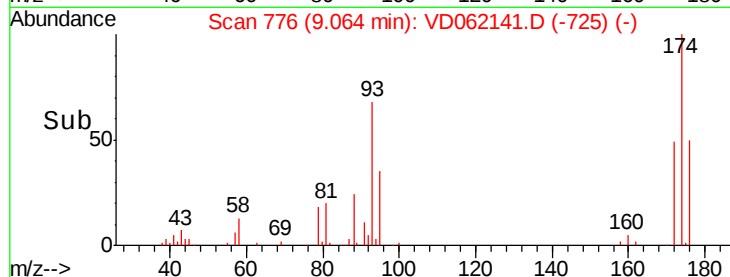
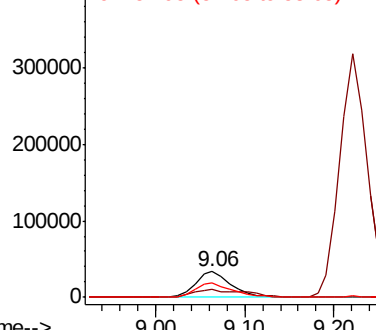
#49
1,4-Dioxane
Concen: 2171.354 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 93257
Ion Ratio Lower Upper
88 100
43 31.6 23.4 35.0
58 55.6 44.0 66.0

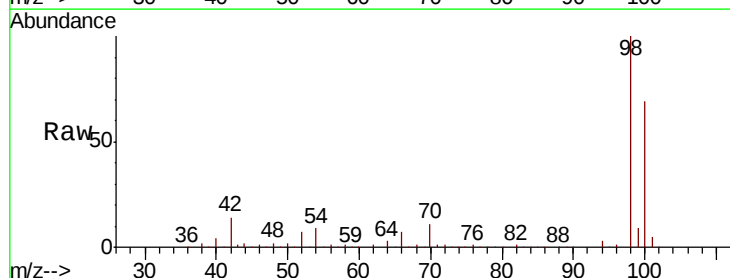


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

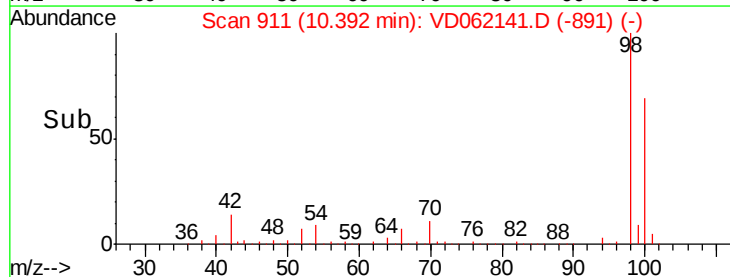
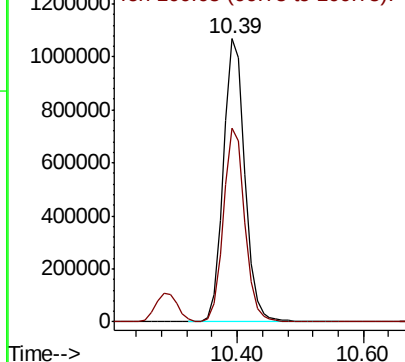


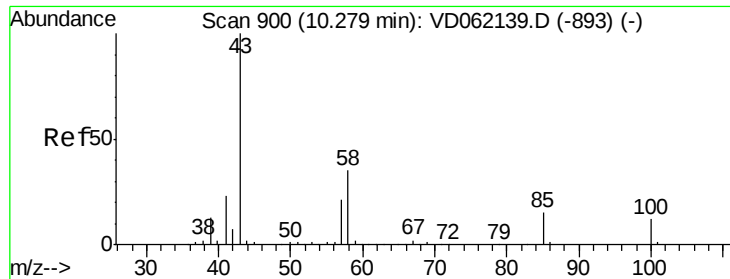
#50
Toluene-d8
Concen: 87.259 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 98 Resp: 2522635
Ion Ratio Lower Upper
98 100
100 68.6 53.8 80.8



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

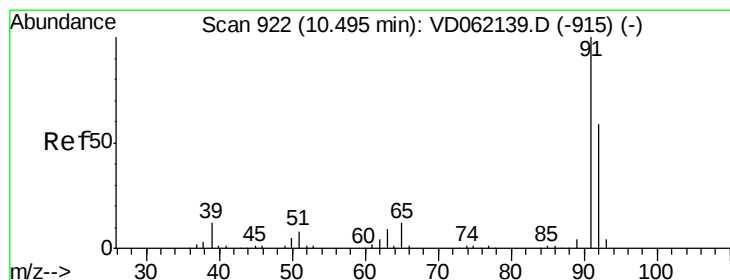
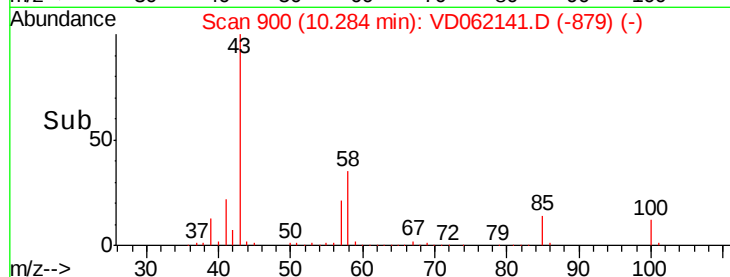
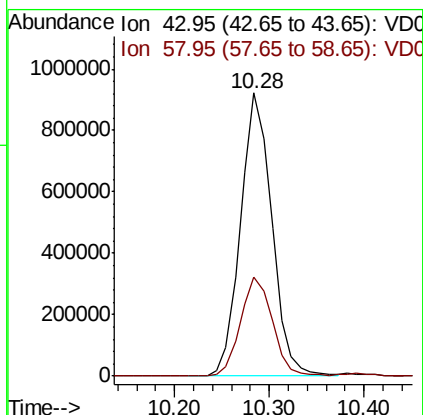
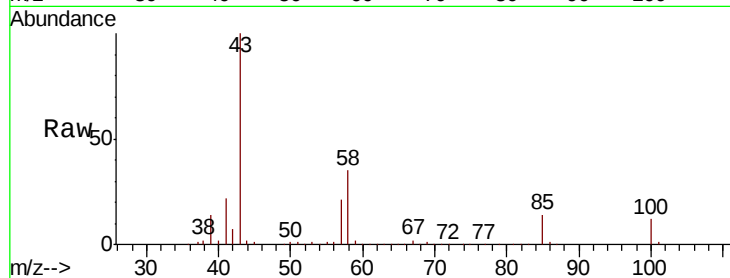




#51
 4-Methyl-2-Pentanone
 Concen: 518.526 ug/l
 RT: 10.28 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

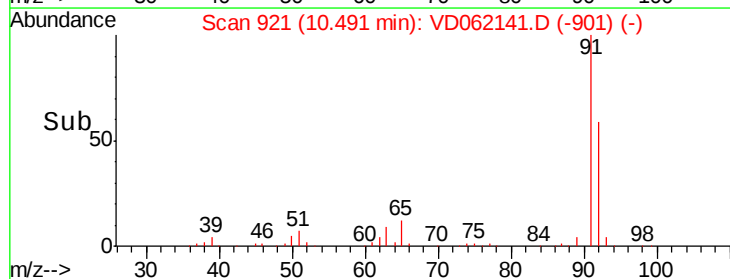
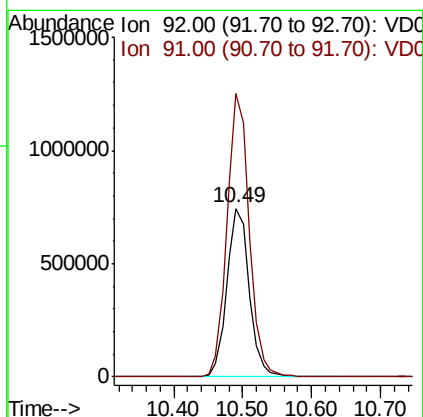
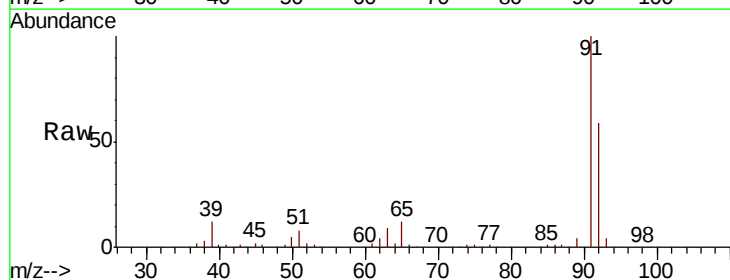
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

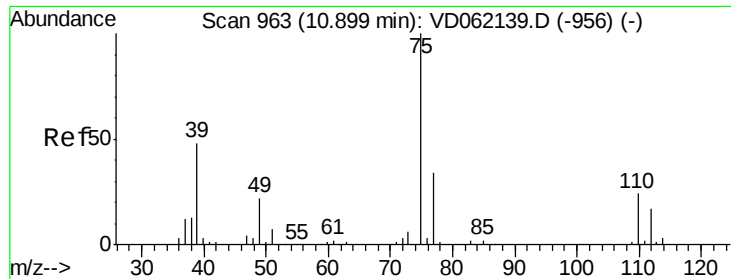
Tgt Ion: 43 Resp: 2115995
 Ion Ratio Lower Upper
 43 100
 58 35.2 30.4 45.6



#52
 Toluene
 Concen: 102.898 ug/l
 RT: 10.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 92 Resp: 1667322
 Ion Ratio Lower Upper
 92 100
 91 168.3 136.6 204.8

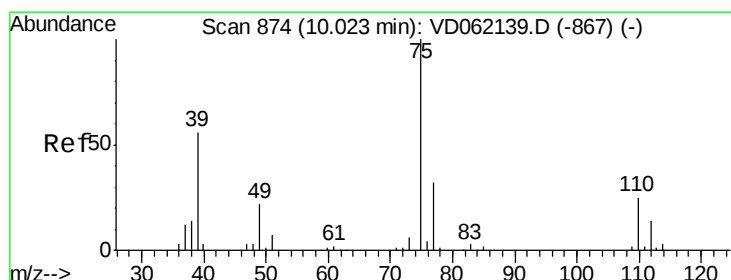
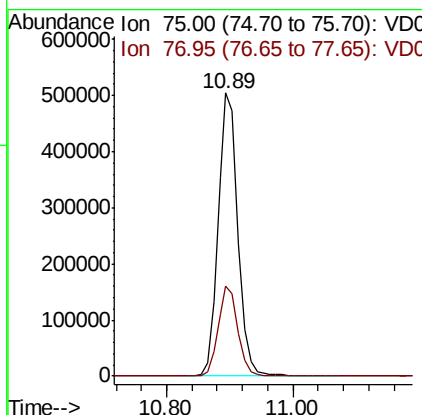
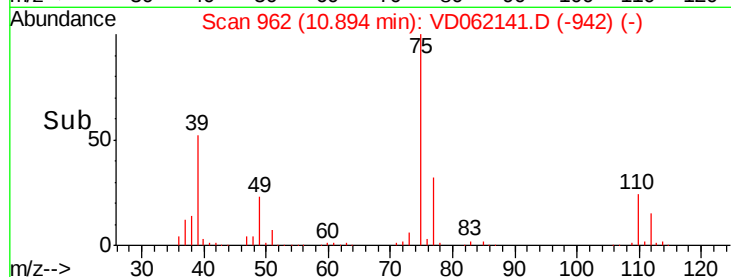
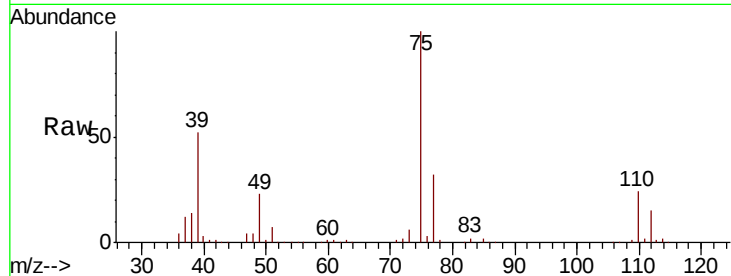




#53
 t-1,3-Dichloropropene
 Concen: 102.978 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

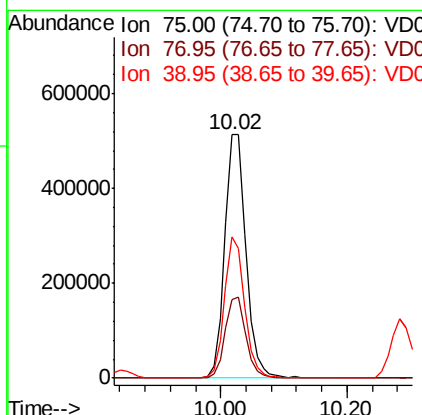
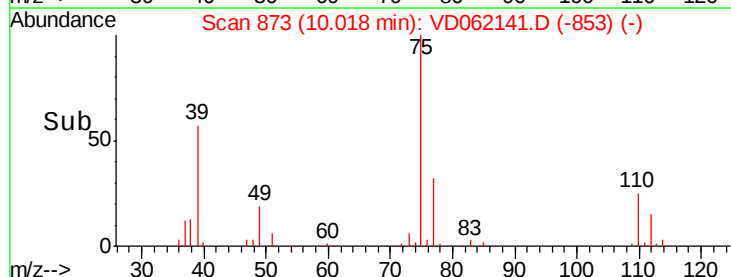
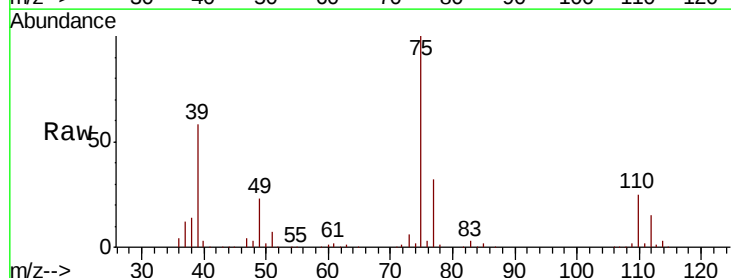
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

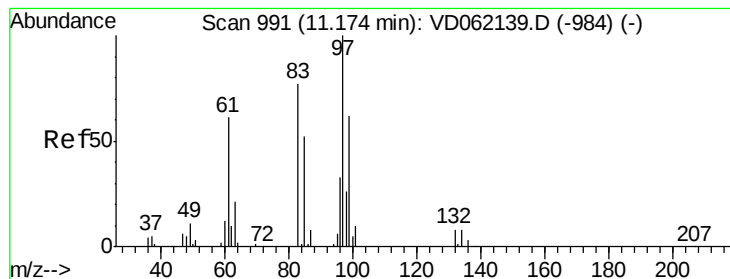
Tgt Ion: 75 Resp: 1102051
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 99.673 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 75 Resp: 1196854
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.5 38.3
 39 58.0 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 103.352 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 614505

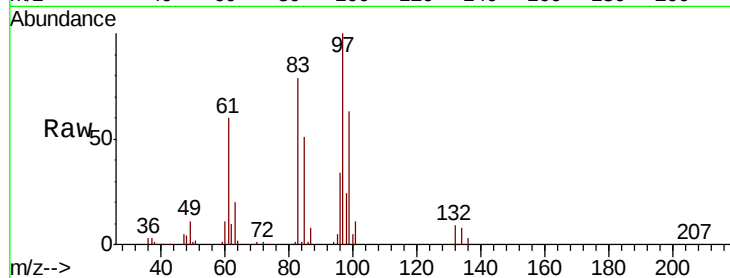
Ion Ratio Lower Upper

97 100

83 79.4 65.7 98.5

85 50.9 45.6 68.4

99 63.4 48.4 72.6



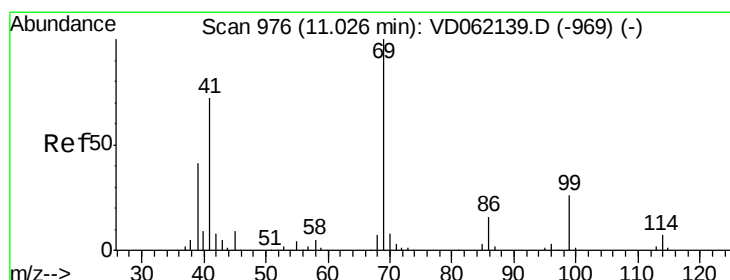
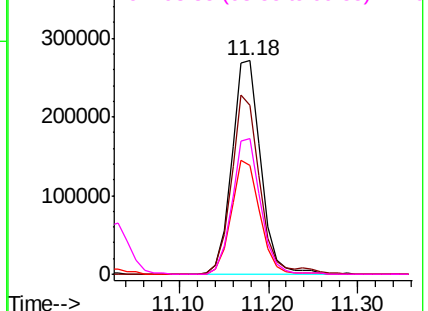
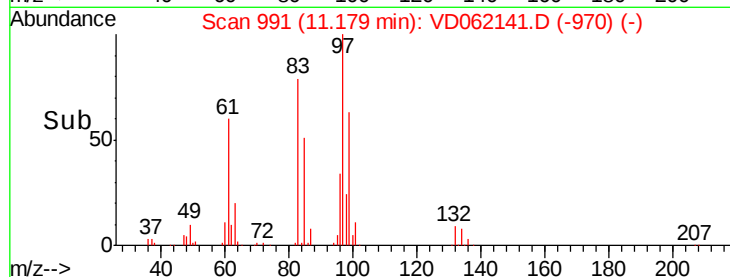
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 99.486 ug/l

RT: 11.02 min Scan# 975

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

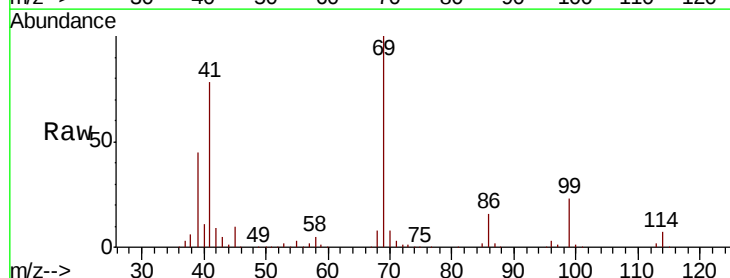
Tgt Ion: 69 Resp: 616264

Ion Ratio Lower Upper

69 100

41 77.8 56.3 84.5

39 45.3 29.4 44.2#

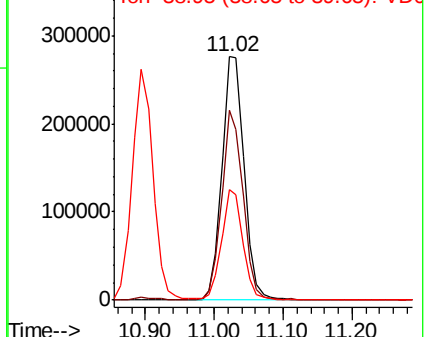
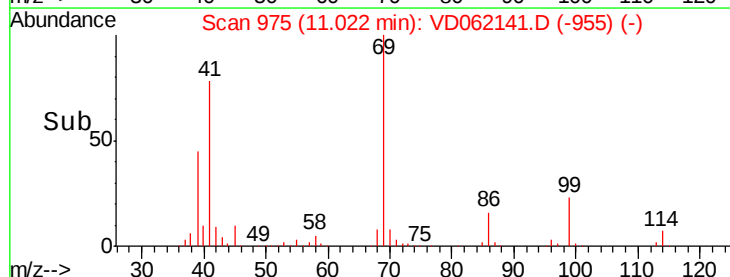


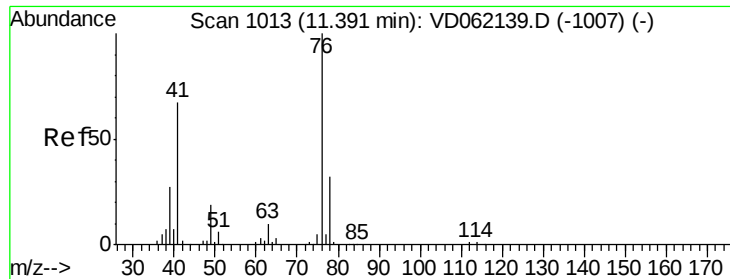
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

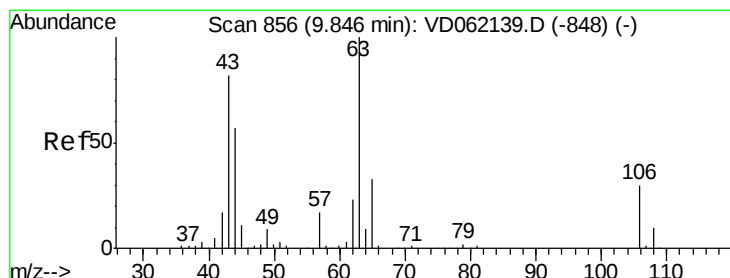
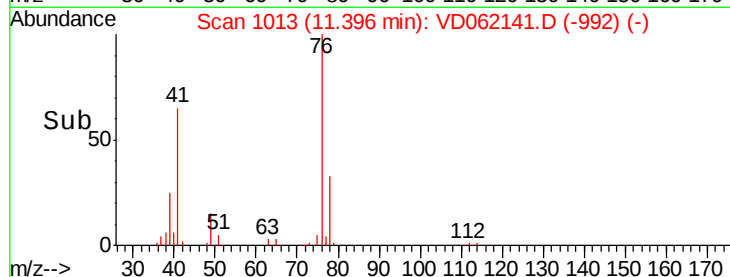
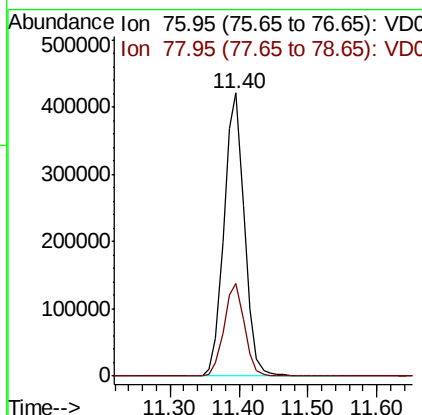
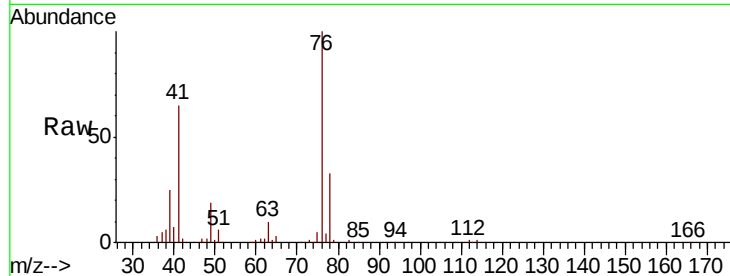




#57
 1,3-Dichloropropane
 Concen: 93.641 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

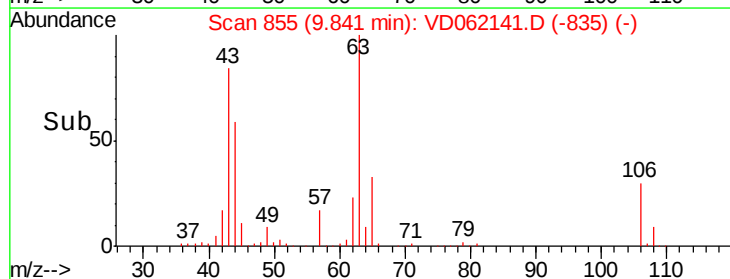
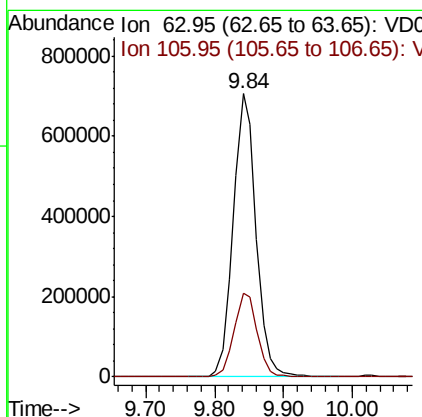
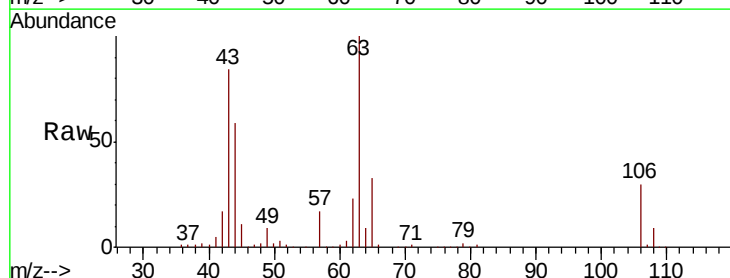
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

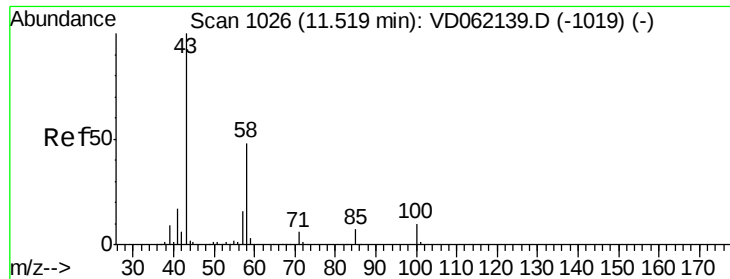
Tgt Ion: 76 Resp: 861816
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 489.257 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 63 Resp: 1618092
 Ion Ratio Lower Upper
 63 100
 106 29.6 22.6 34.0

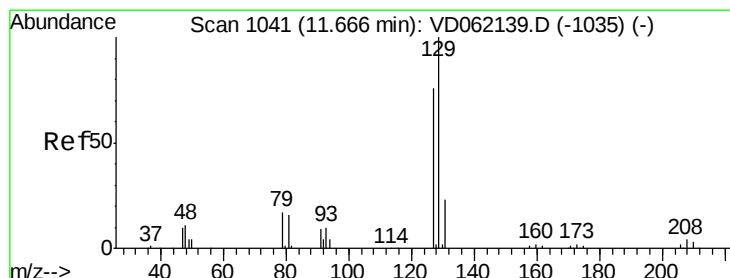
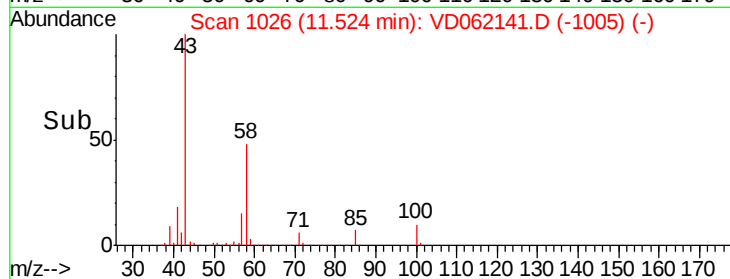
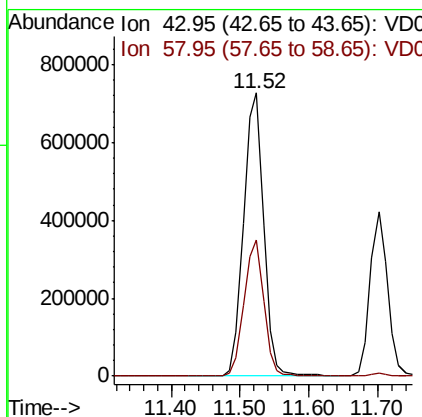
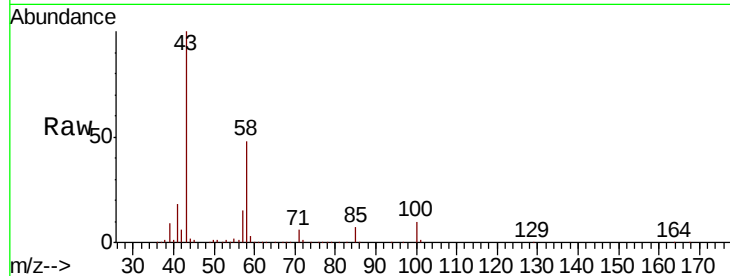




#59
2-Hexanone
Concen: 479.714 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

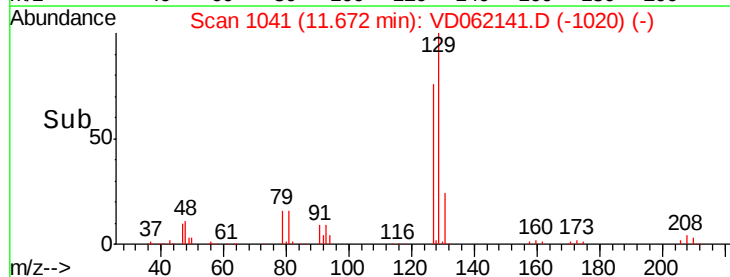
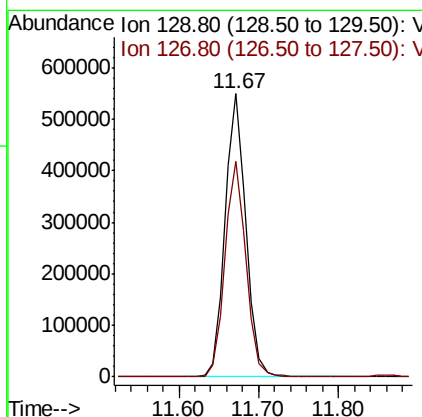
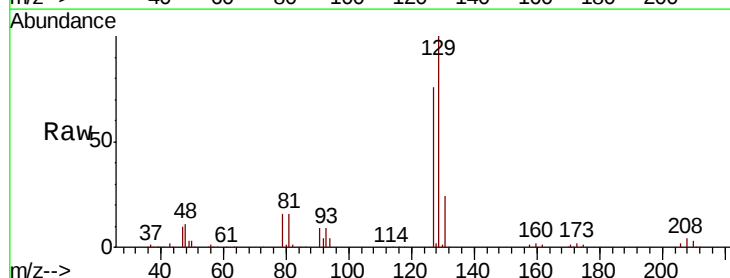
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

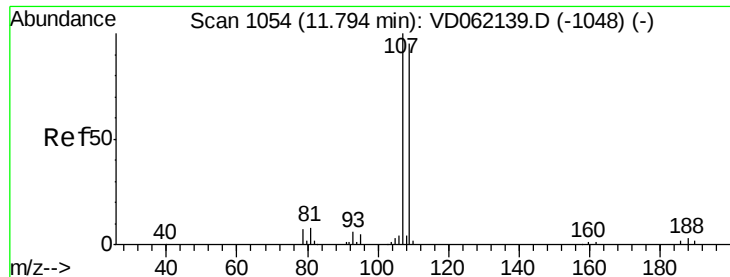
Tgt Ion: 43 Resp: 1471222
Ion Ratio Lower Upper
43 100
58 47.9 25.4 76.4



#60
Dibromochloromethane
Concen: 101.001 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 129 Resp: 1013651
Ion Ratio Lower Upper
129 100
127 76.3 38.0 113.9

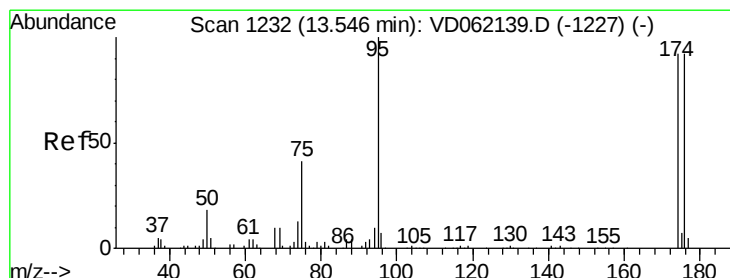
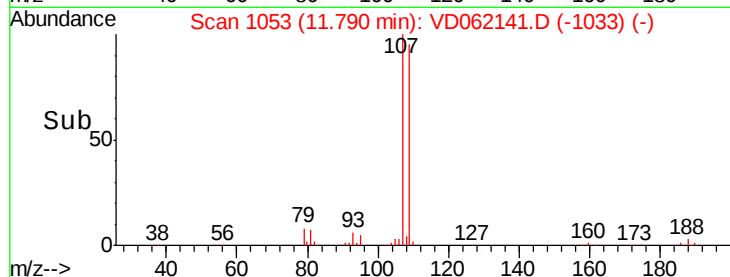
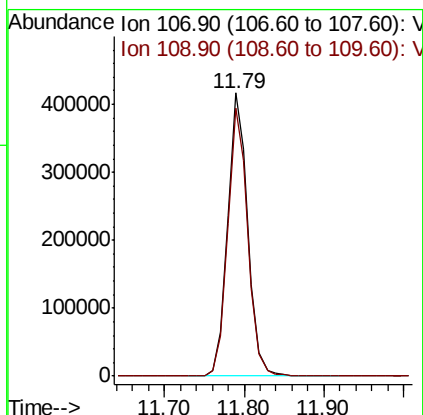
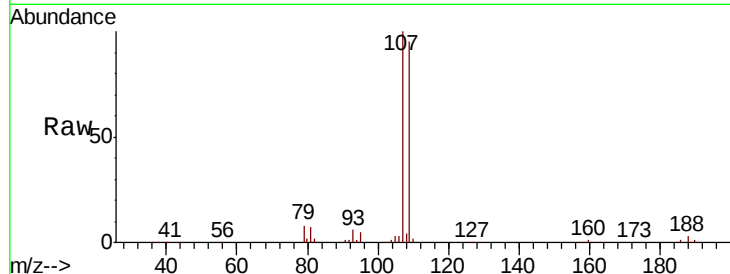




#61
 1,2-Dibromoethane
 Concen: 108.023 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

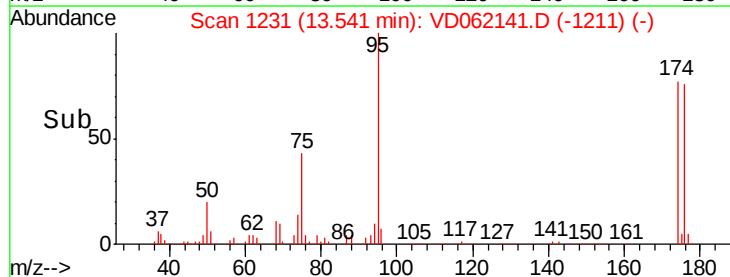
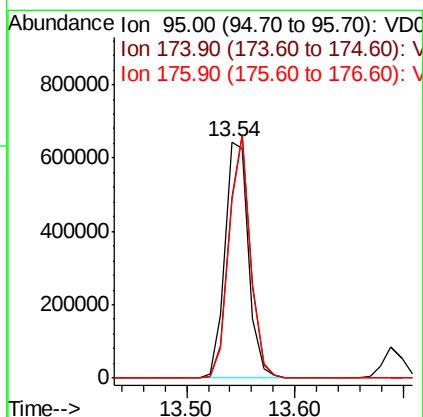
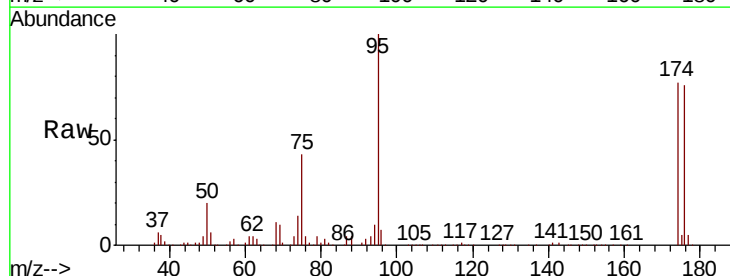
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 107 Resp: 738172
 Ion Ratio Lower Upper
 107 100
 109 94.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 83.582 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 95 Resp: 975025
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 181.8
 176 75.7 0.0 174.4

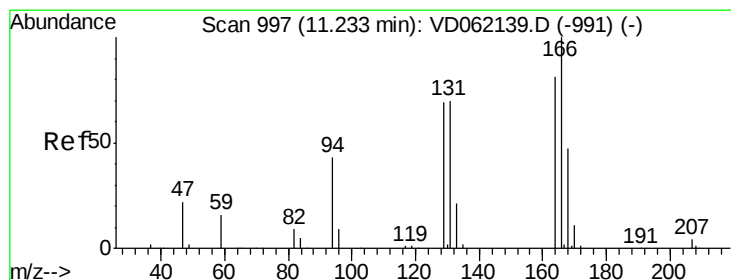
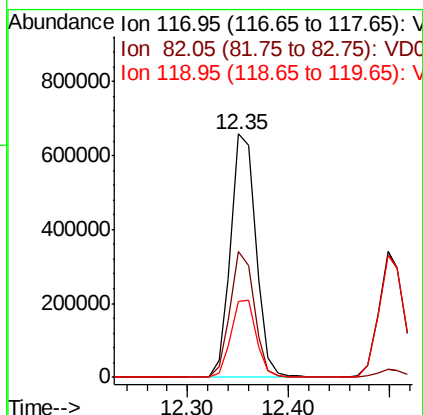
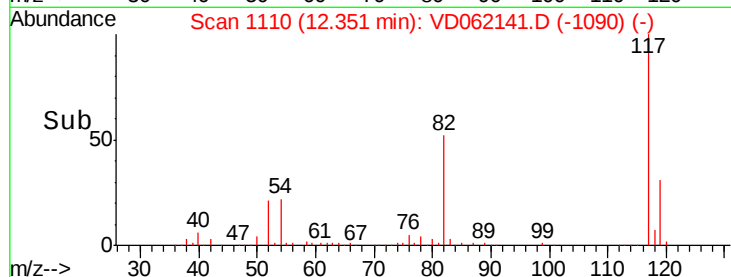
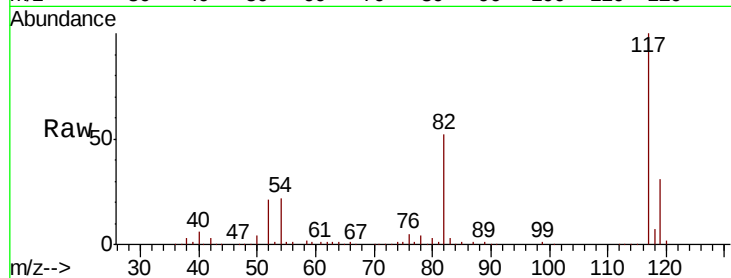




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

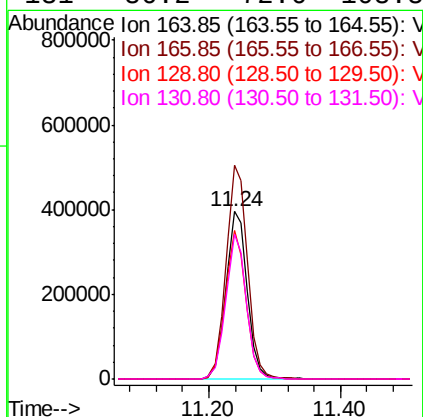
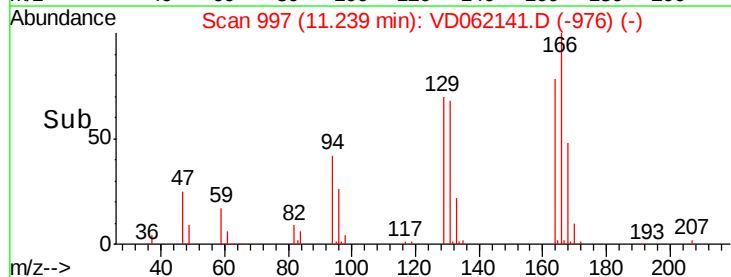
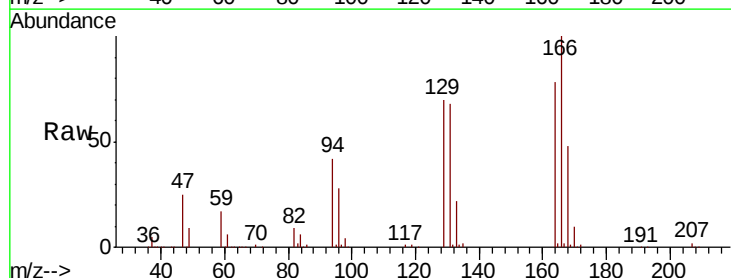
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 1146859
Ion Ratio Lower Upper
117 100
82 51.5 36.2 54.2
119 31.0 26.2 39.4



#64
Tetrachloroethene
Concen: 95.965 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion:164 Resp: 895391
Ion Ratio Lower Upper
164 100
166 127.7 101.5 152.3
129 89.1 74.6 112.0
131 86.2 72.6 108.8

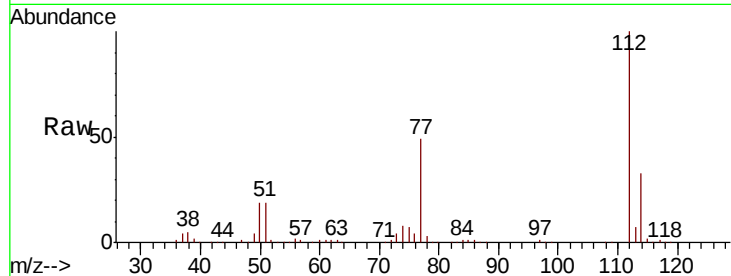




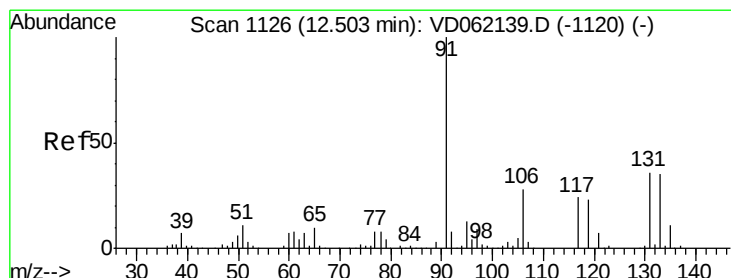
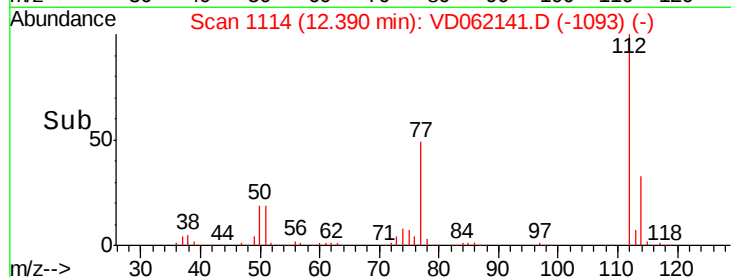
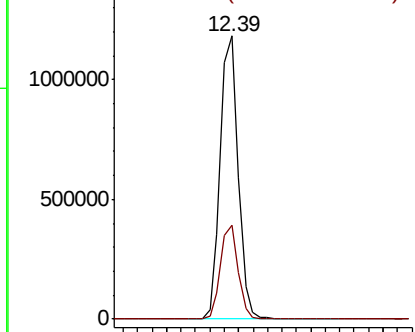
#65
Chlorobenzene
Concen: 96.337 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:112 Resp: 2028017
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8

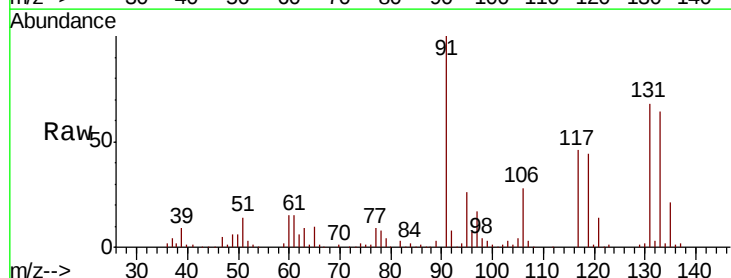


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

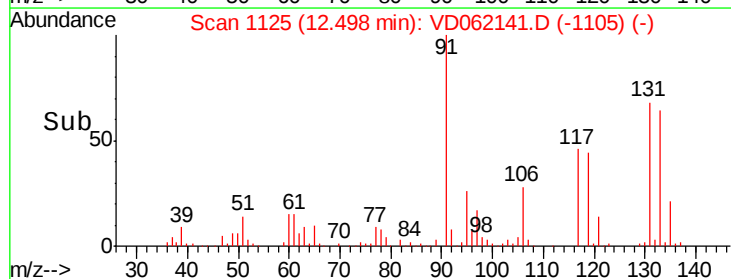
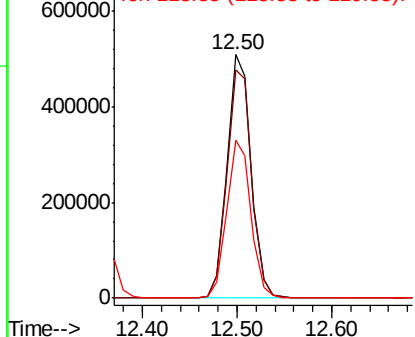


#66
1,1,1,2-Tetrachloroethane
Concen: 89.396 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion:131 Resp: 890340
Ion Ratio Lower Upper
131 100
133 93.9 48.6 145.8
119 65.0 34.7 104.1



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

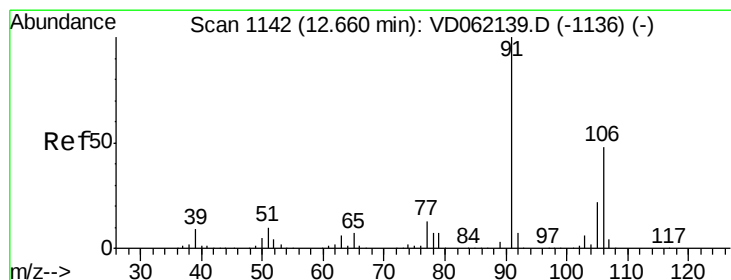
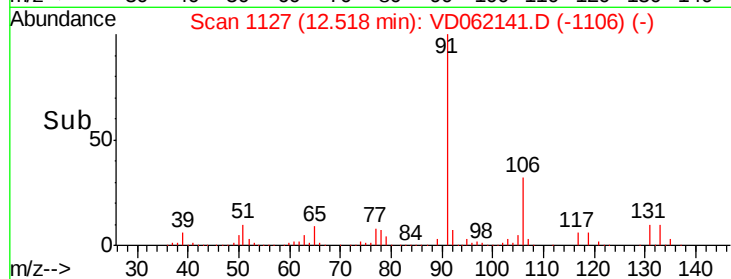
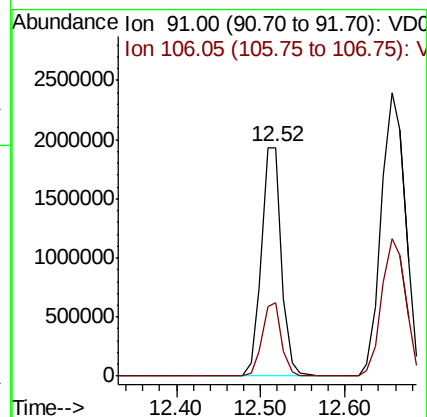
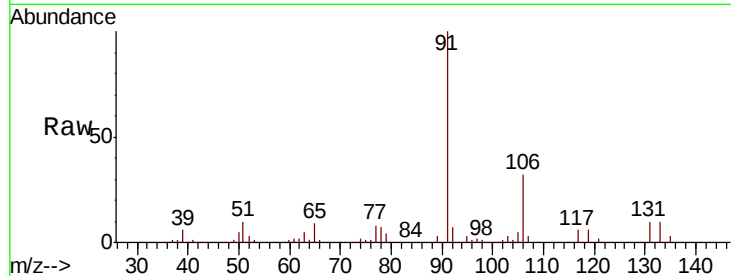




#67
Ethyl Benzene
Concen: 86.503 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

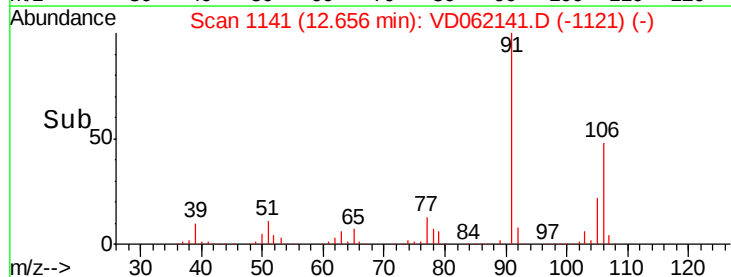
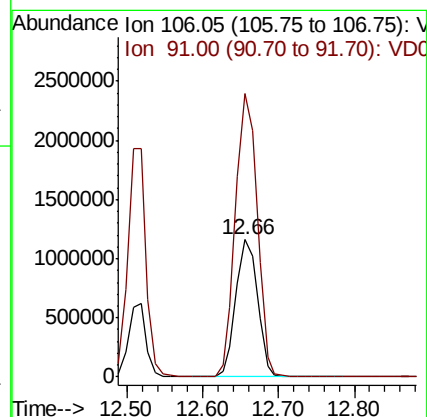
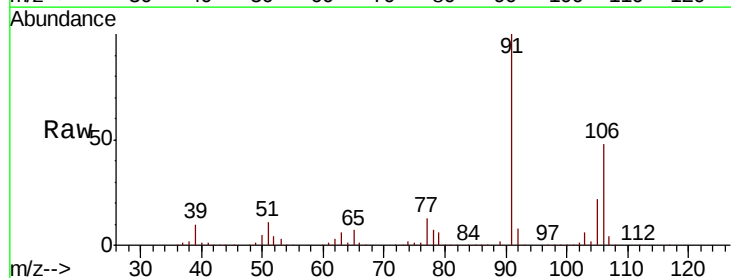
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 3274610
Ion Ratio Lower Upper
91 100
106 31.9 24.7 37.1



#68
m/p-Xylenes
Concen: 161.033 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 106 Resp: 2293128
Ion Ratio Lower Upper
106 100
91 206.4 164.0 246.0

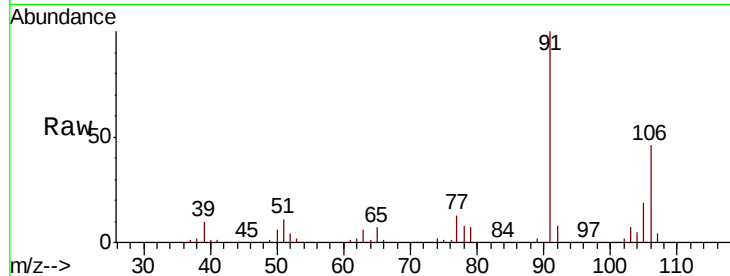




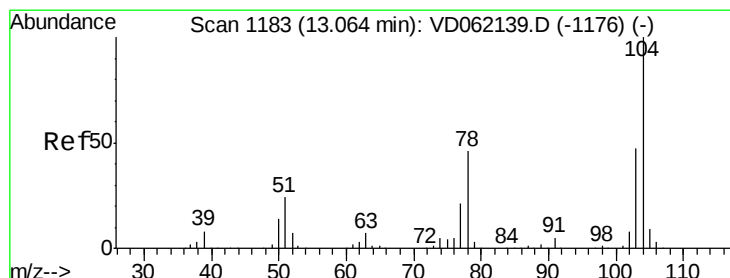
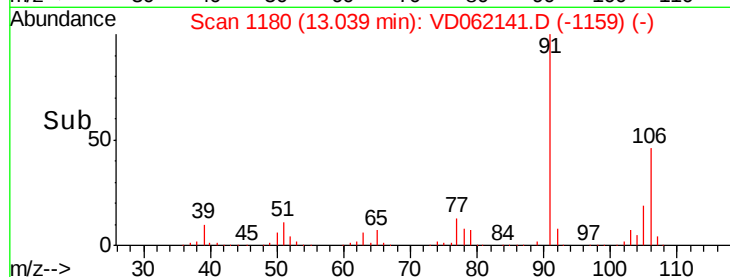
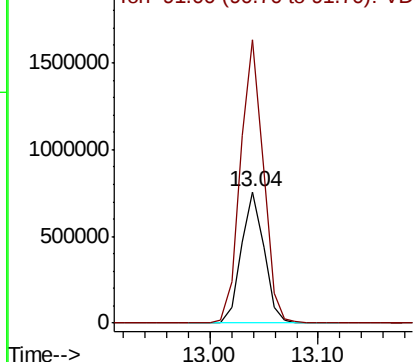
#69
o-Xylene
Concen: 86.924 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1111061
Ion Ratio Lower Upper
106 100
91 215.3 106.7 319.9

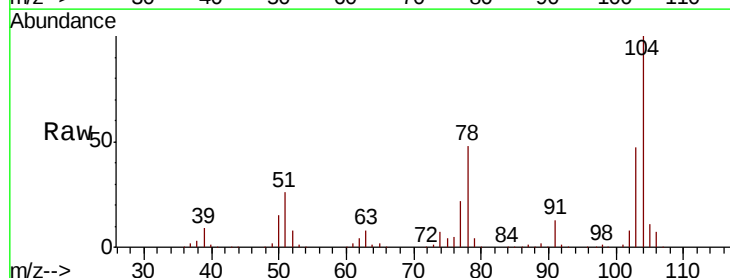


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

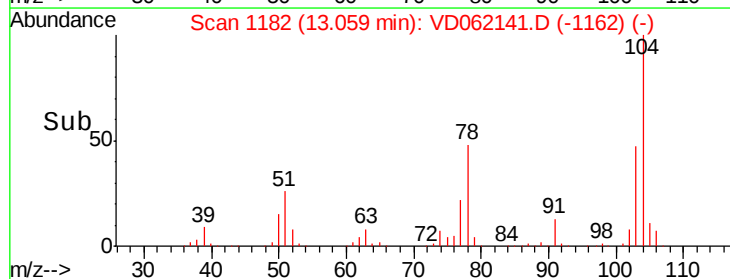
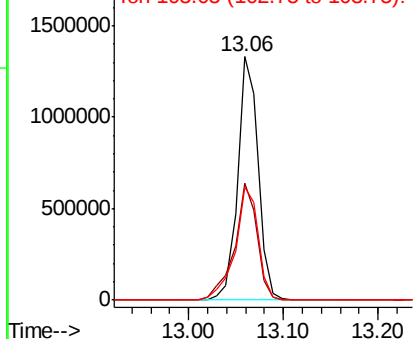


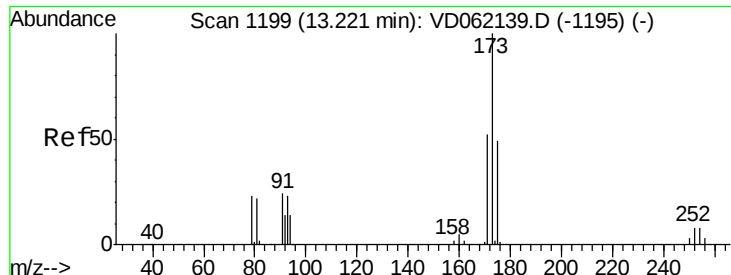
#70
Styrene
Concen: 95.028 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion:104 Resp: 1985755
Ion Ratio Lower Upper
104 100
78 47.9 35.4 53.2
103 46.6 37.5 56.3



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





#71

Bromoform

Concen: 97.790 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

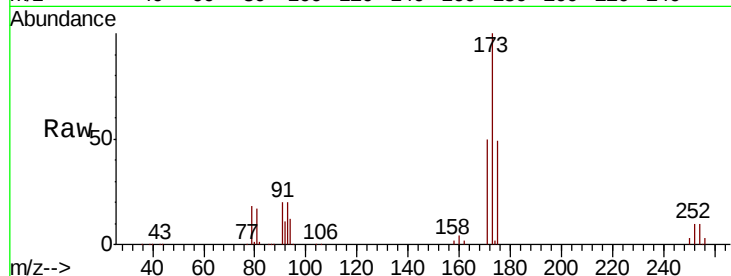
Tgt Ion:173 Resp: 675606

Ion Ratio Lower Upper

173 100

175 49.2 24.4 73.4

254 10.0 5.4 8.2#

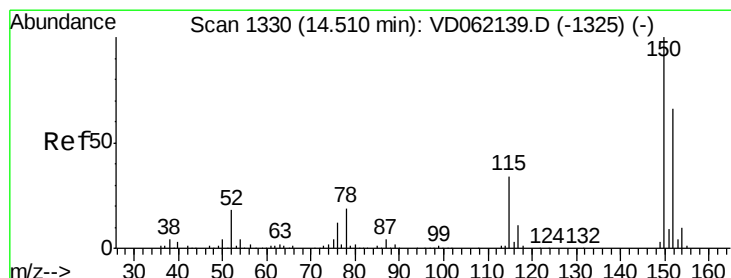
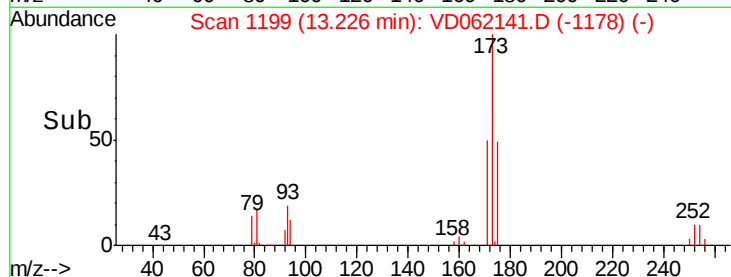
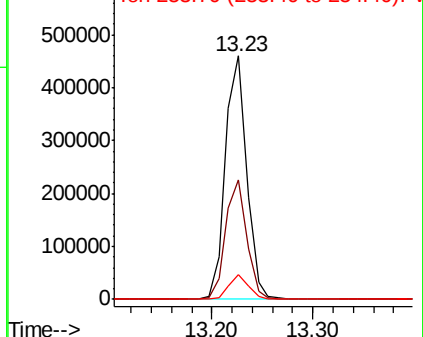


Abundance

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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

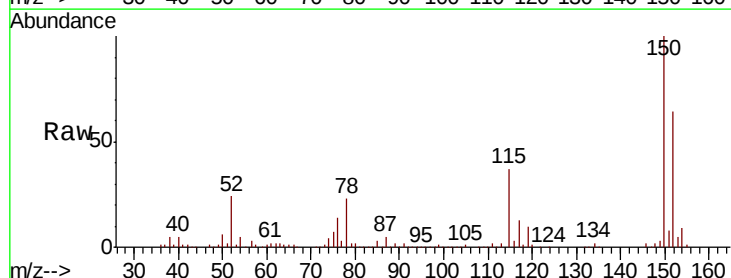
Tgt Ion:152 Resp: 522900

Ion Ratio Lower Upper

152 100

115 57.8 30.9 92.7

150 155.6 0.0 314.8

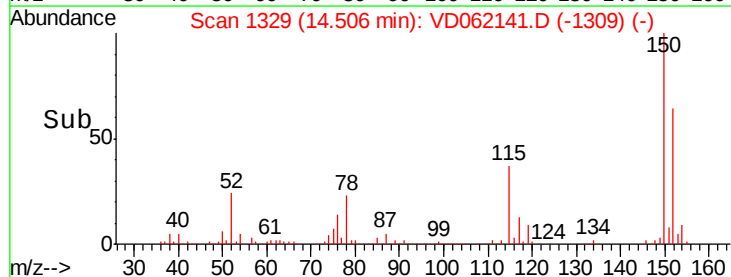
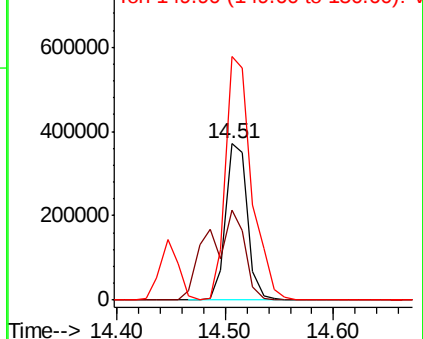


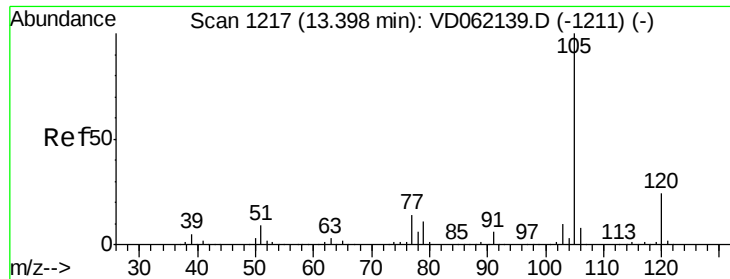
Abundance

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: 110.108 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

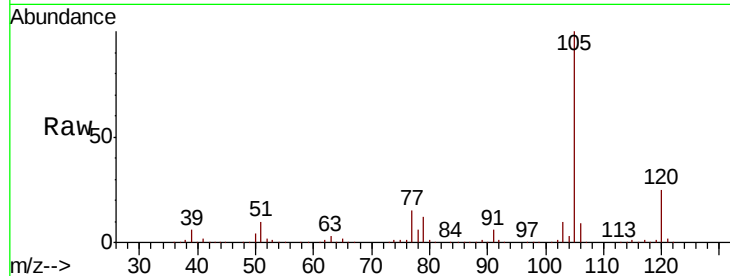
VSTDIC100

Tgt Ion:105 Resp: 3434581

Ion Ratio Lower Upper

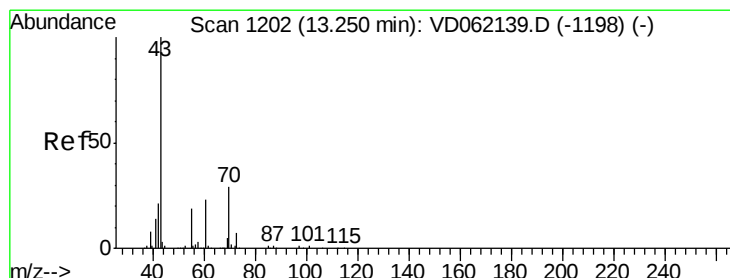
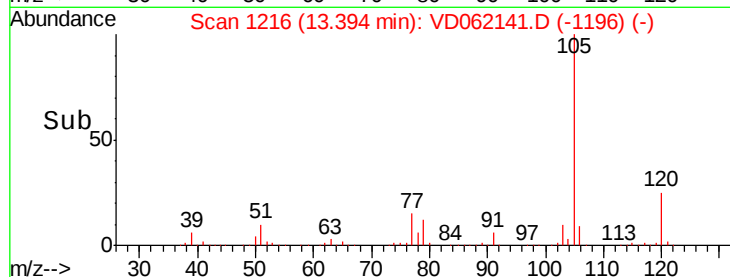
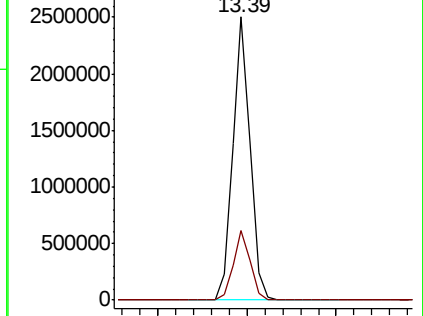
105 100

120 24.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 114.257 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Tgt Ion: 43 Resp: 920780

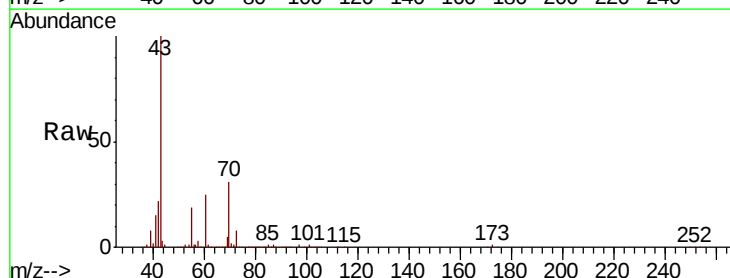
Ion Ratio Lower Upper

43 100

70 30.9 24.2 36.4

55 18.8 16.0 24.0

61 24.9 21.6 32.4

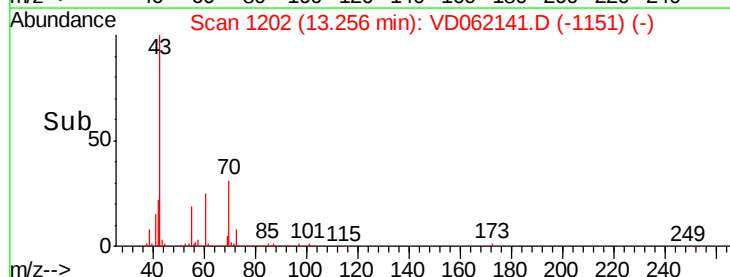
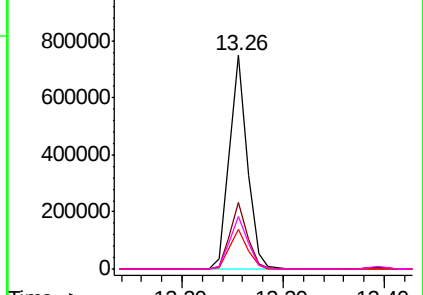


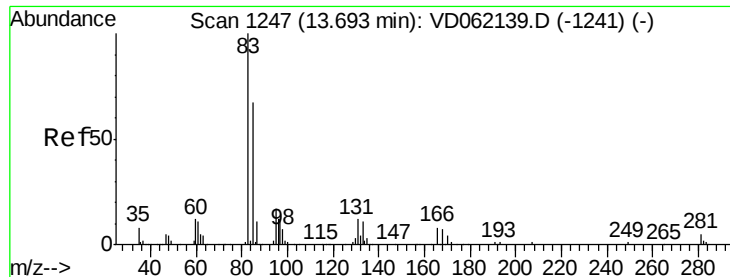
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 119.694 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

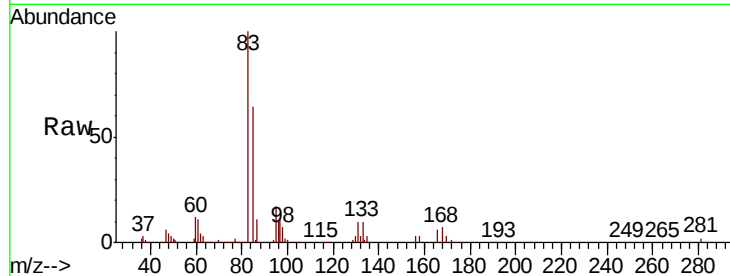
Tgt Ion: 83 Resp: 669267

Ion Ratio Lower Upper

83 100

131 10.4 5.0 14.9

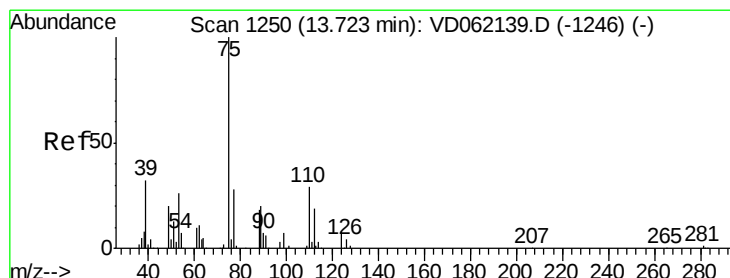
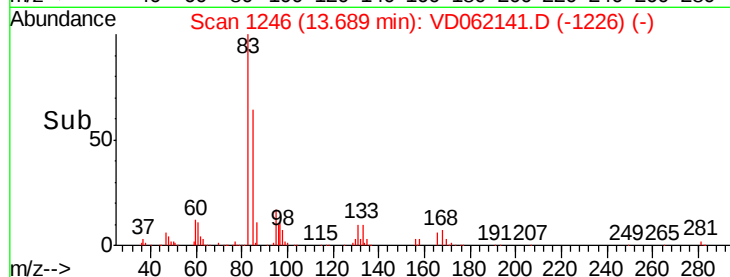
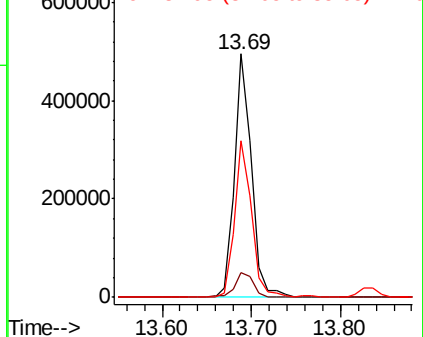
85 64.4 32.6 97.7



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: 116.972 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062141.D

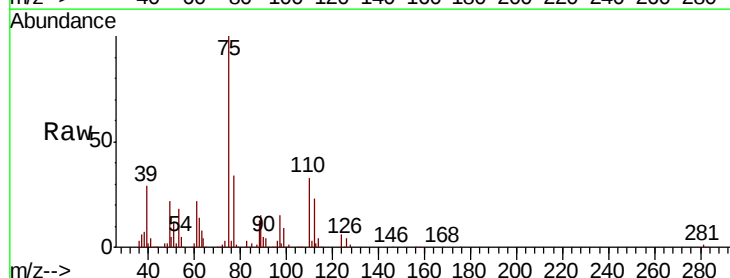
Acq: 7 May 2019 14:03

Tgt Ion: 75 Resp: 675113

Ion Ratio Lower Upper

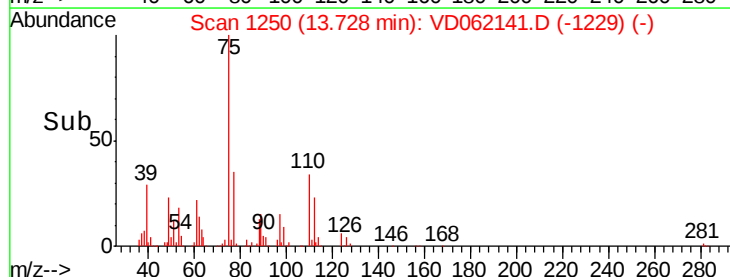
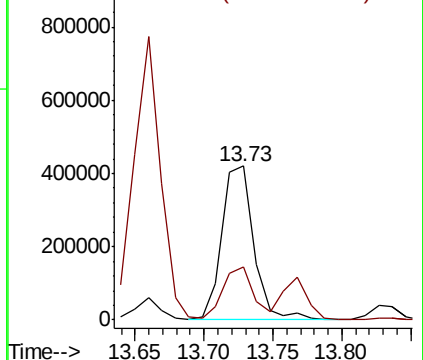
75 100

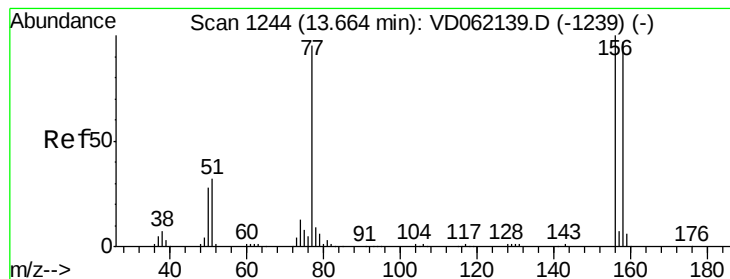
77 34.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 108.267 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

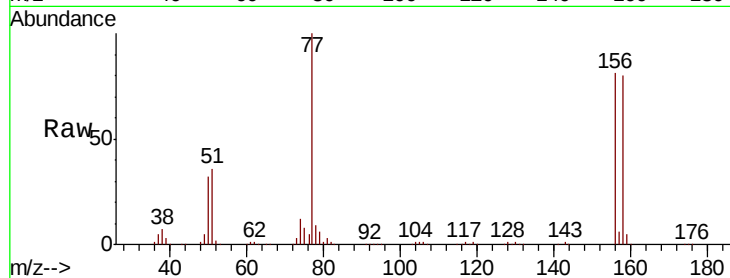
Tgt Ion:156 Resp: 879309

Ion Ratio Lower Upper

156 100

77 123.1 53.1 159.4

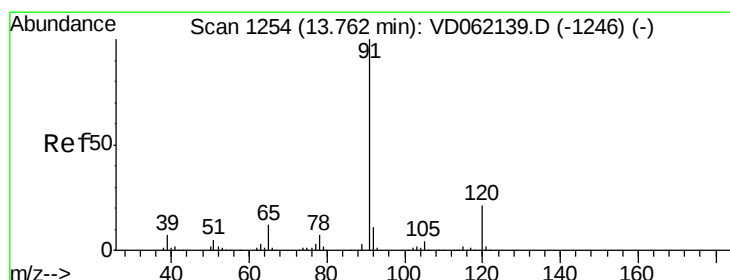
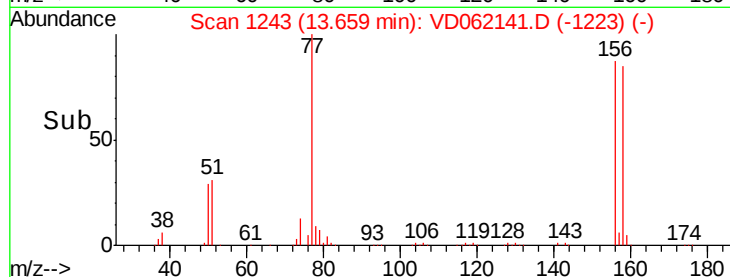
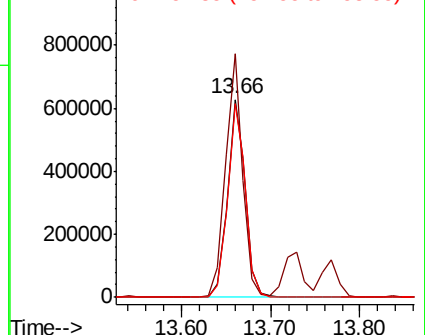
158 97.9 49.4 148.0



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: 109.147 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062141.D

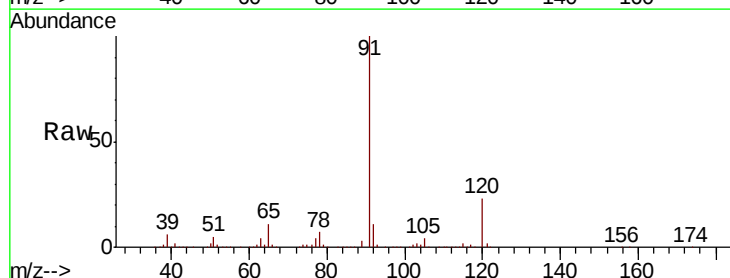
Acq: 7 May 2019 14:03

Tgt Ion: 91 Resp: 3854503

Ion Ratio Lower Upper

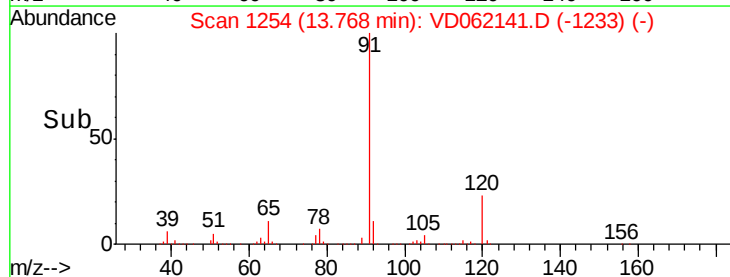
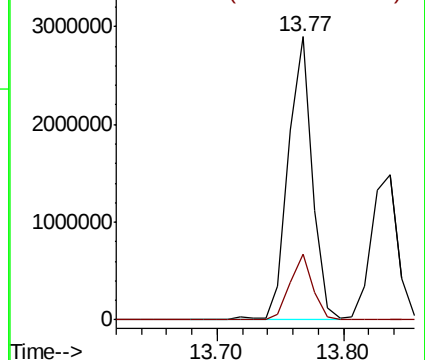
91 100

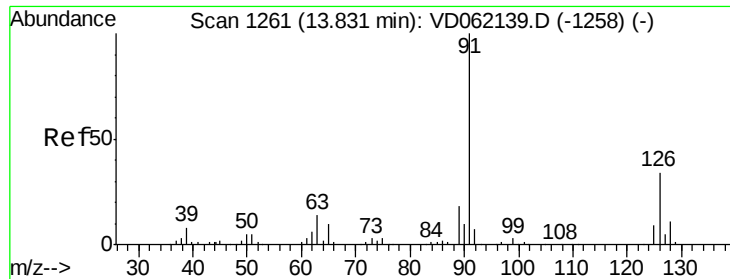
120 23.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 103.267 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

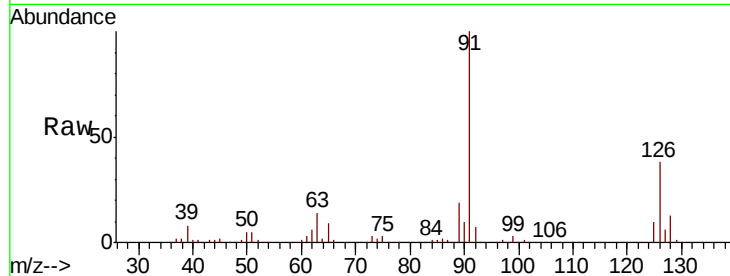
VSTDIC100

Tgt Ion: 91 Resp: 2153525

Ion Ratio Lower Upper

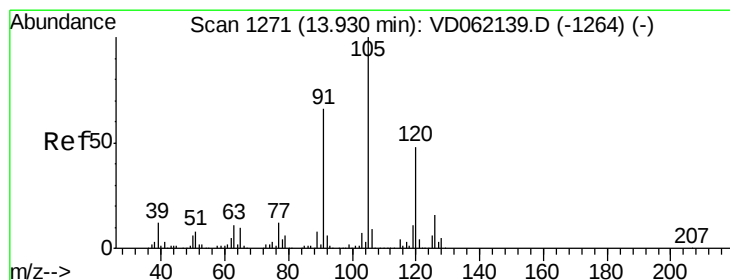
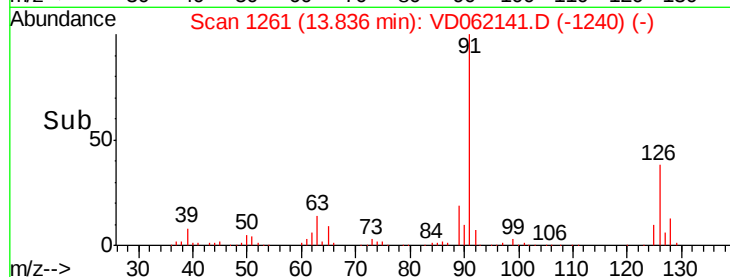
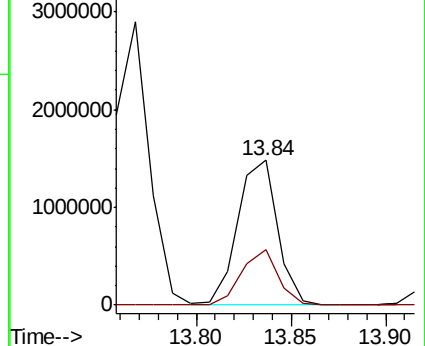
91 100

126 38.1 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: 98.654 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062141.D

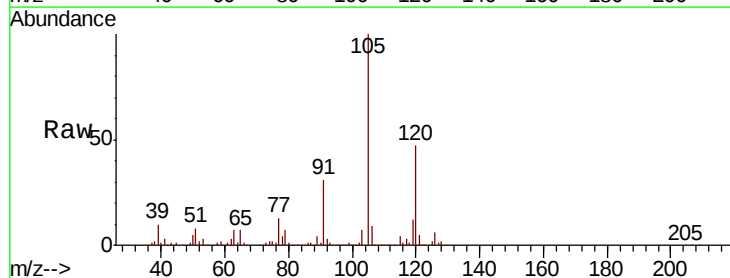
Acq: 7 May 2019 14:03

Tgt Ion: 105 Resp: 2524337

Ion Ratio Lower Upper

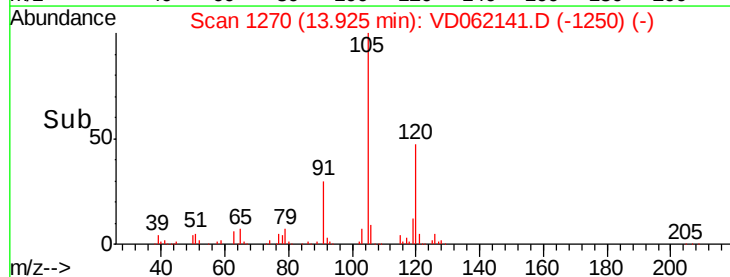
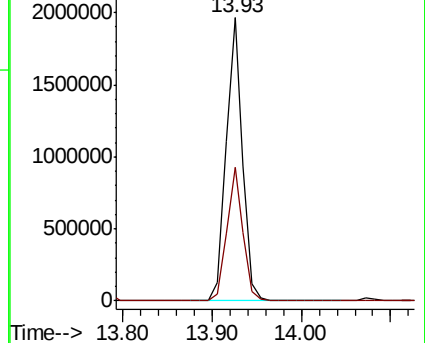
105 100

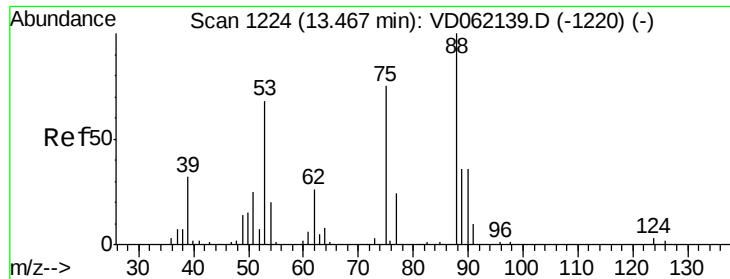
120 47.2 24.0 72.0



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: 113.271 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

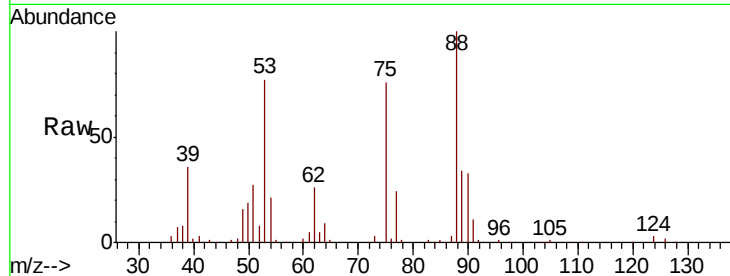
Tgt Ion: 75 Resp: 203775

Ion Ratio Lower Upper

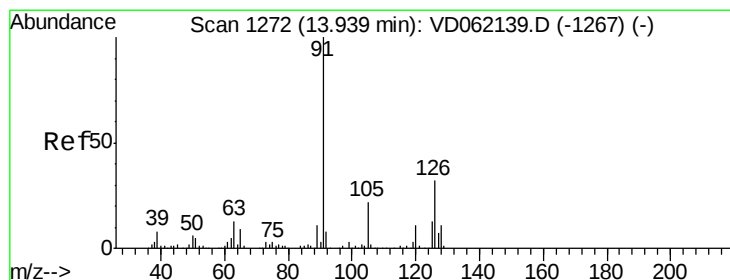
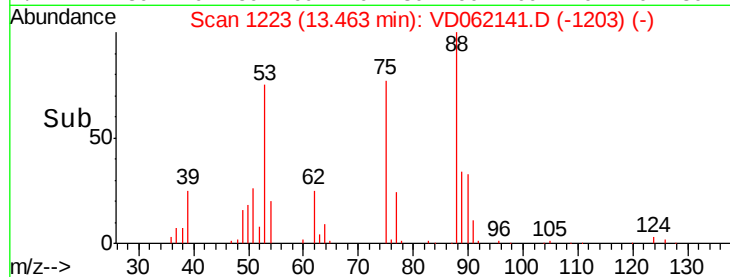
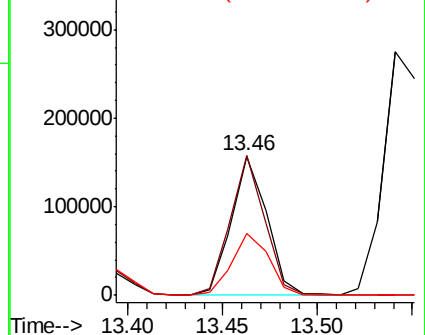
75 100

53 100.3 65.8 98.8#

89 44.7 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: 94.564 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062141.D

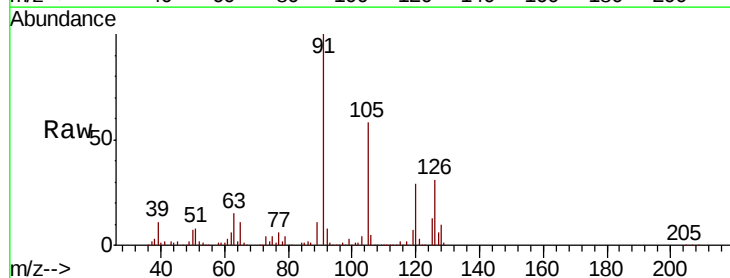
Acq: 7 May 2019 14:03

Tgt Ion: 91 Resp: 2328160

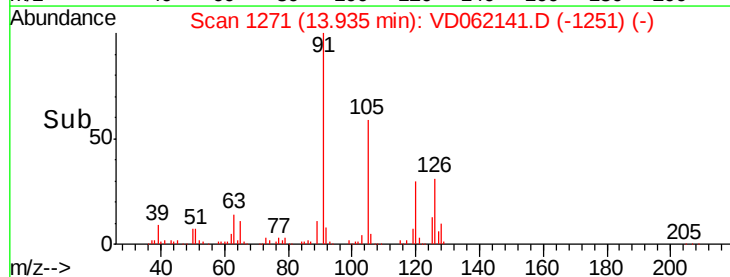
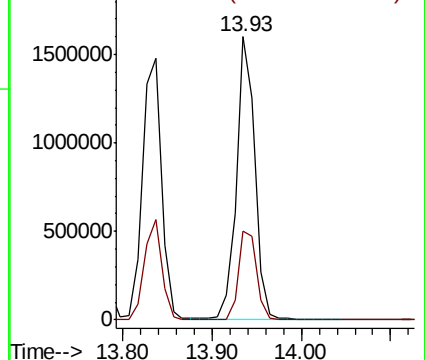
Ion Ratio Lower Upper

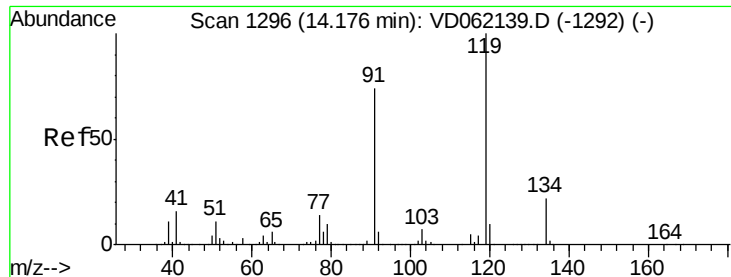
91 100

126 31.2 19.1 57.5



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

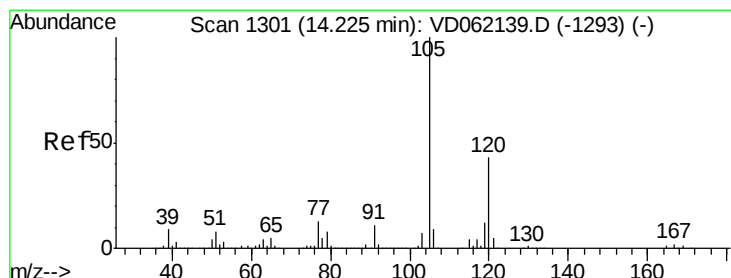
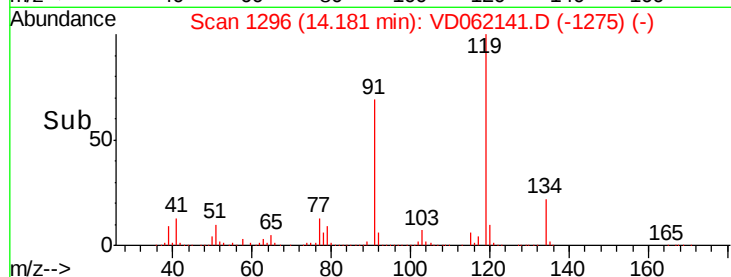
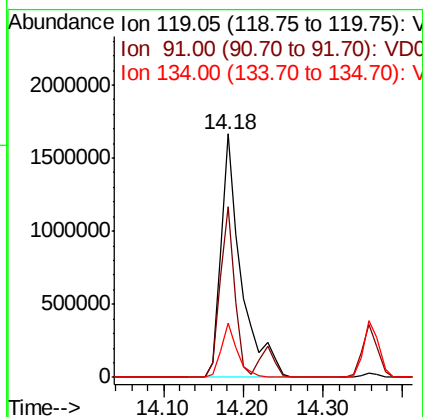
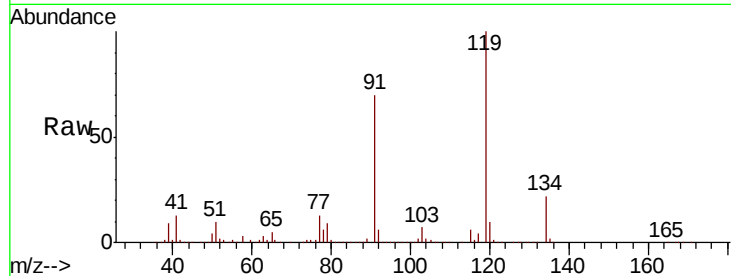




#83
 tert-Butylbenzene
 Concen: 100.258 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

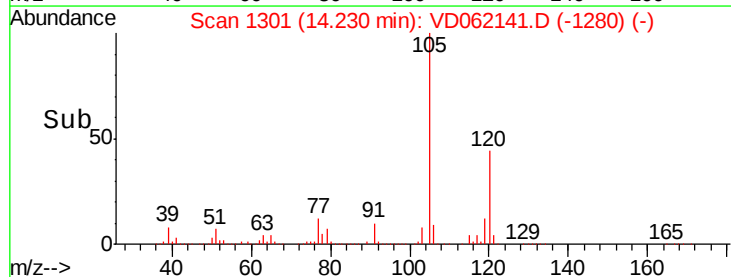
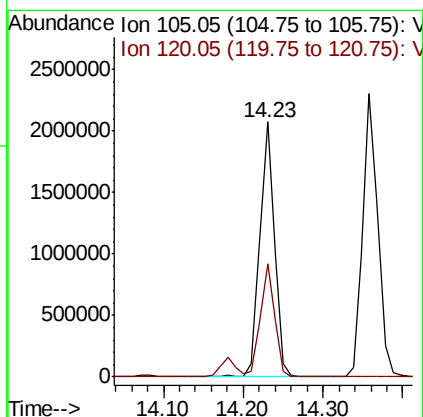
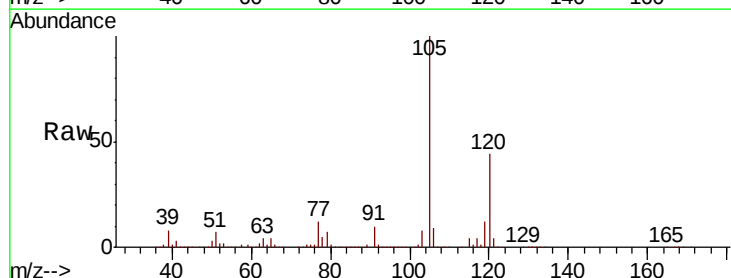
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

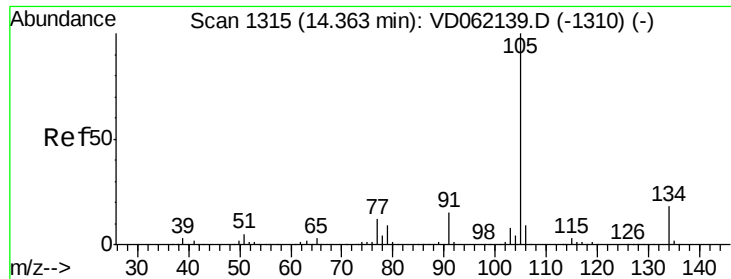
Tgt Ion:119 Resp: 2975001
 Ion Ratio Lower Upper
 119 100
 91 69.9 34.2 102.6
 134 22.4 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 99.917 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion:105 Resp: 2575520
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.1 69.2

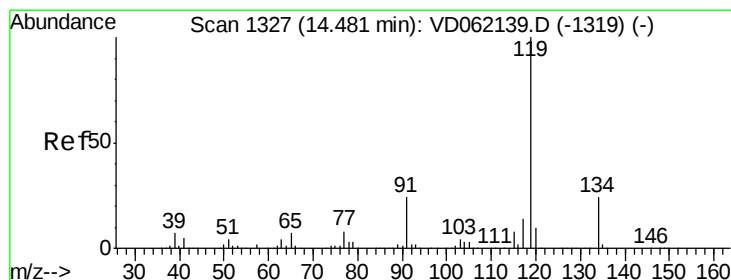
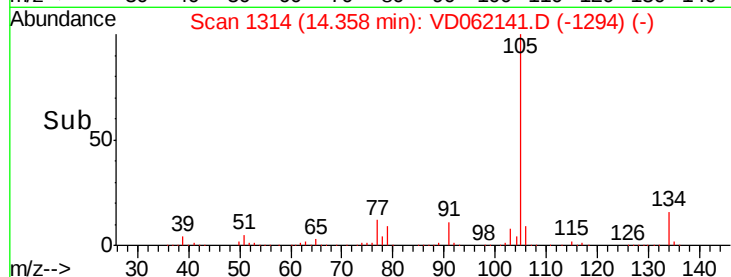
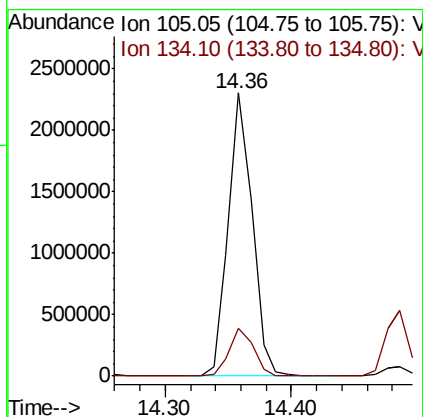
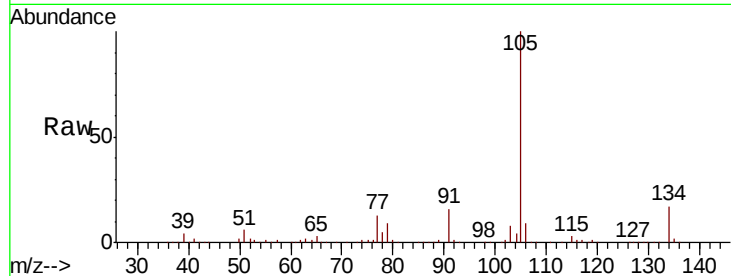




#85
 sec-Butylbenzene
 Concen: 94.937 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

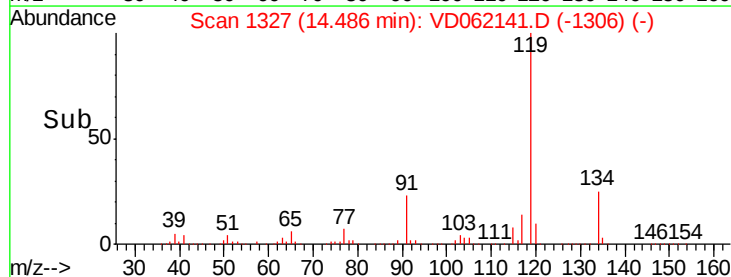
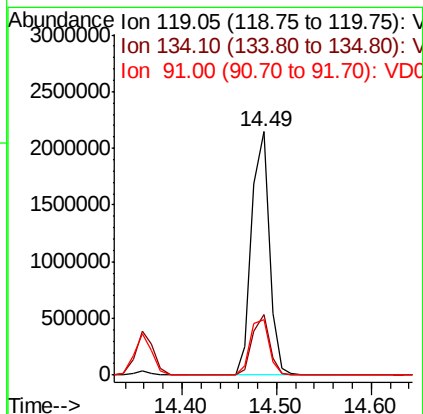
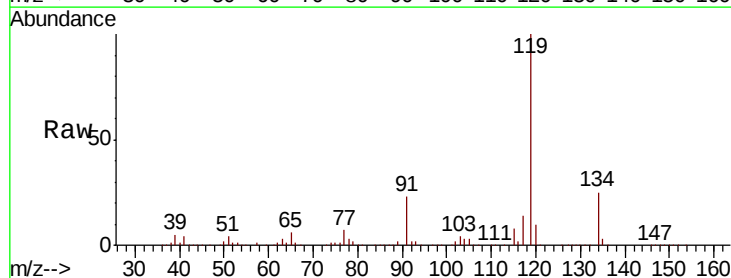
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

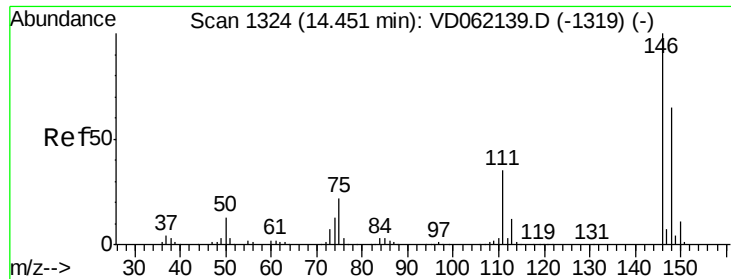
Tgt Ion:105 Resp: 3015428
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 92.175 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion:119 Resp: 2792580
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 22.7 10.7 32.1

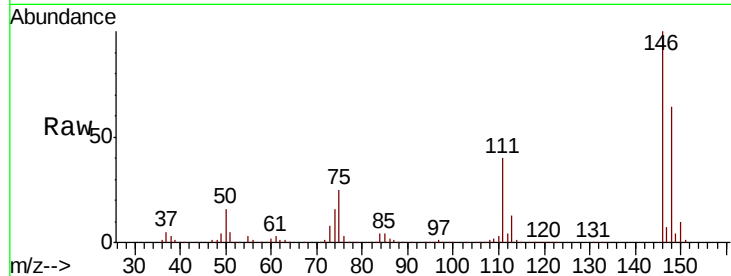




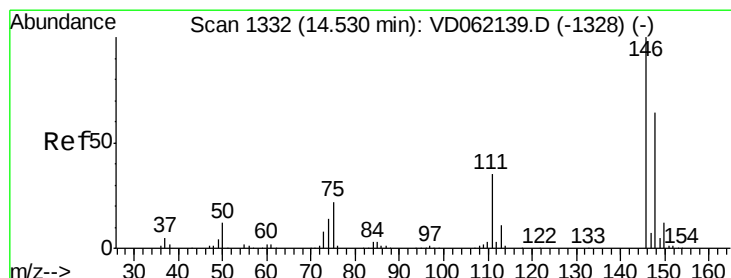
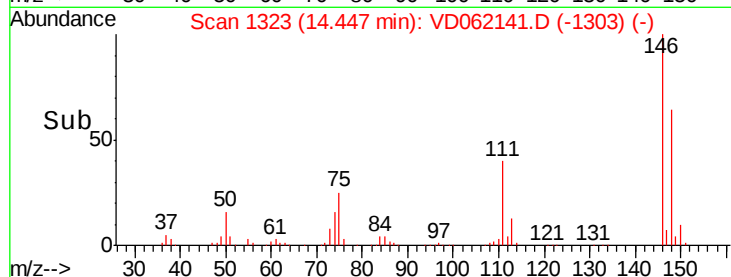
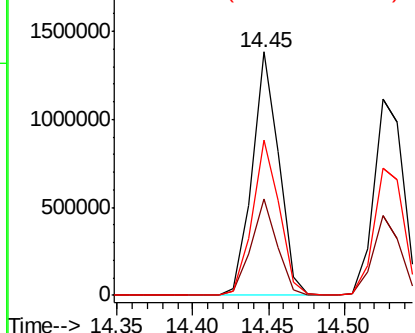
#87
 1,3-Dichlorobenzene
 Concen: 108.824 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1700986
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 60.0
 148 63.7 31.8 95.4

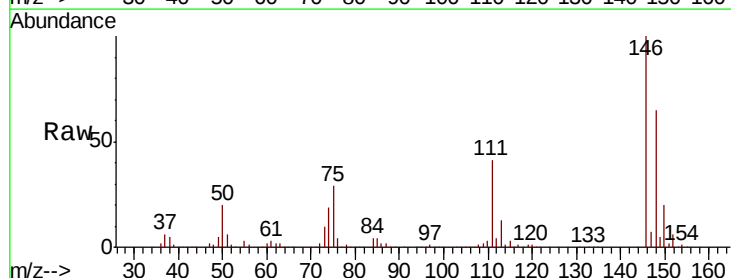


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

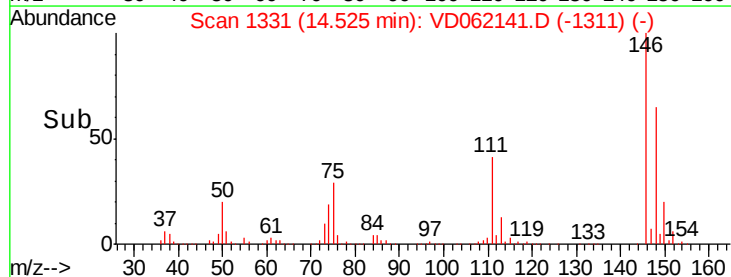
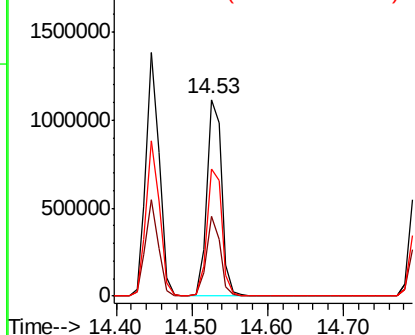


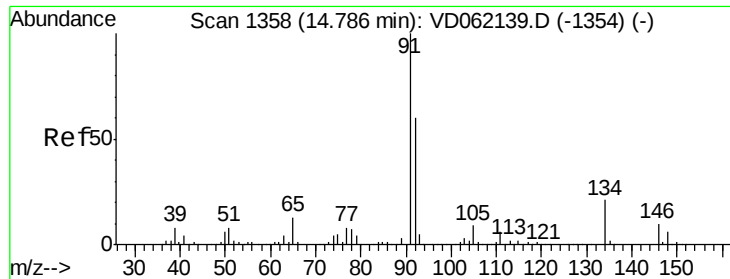
#88
 1,4-Dichlorobenzene
 Concen: 103.715 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion:146 Resp: 1537126
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.2 60.5
 148 64.7 32.0 96.2



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

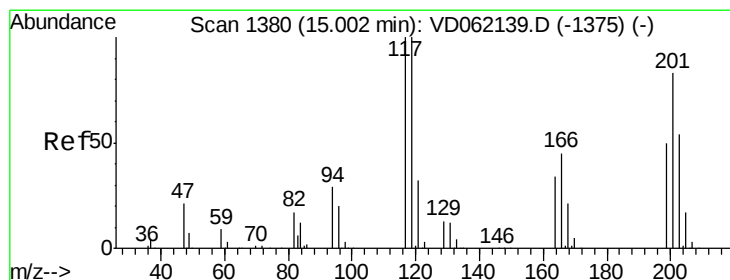
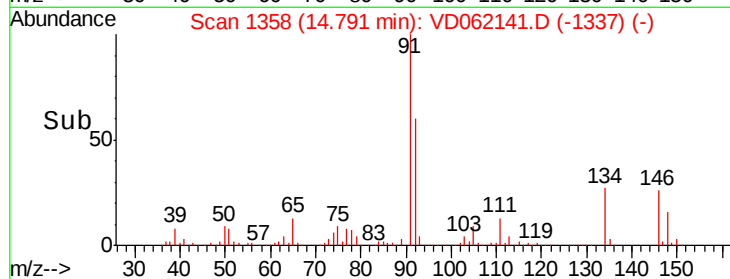
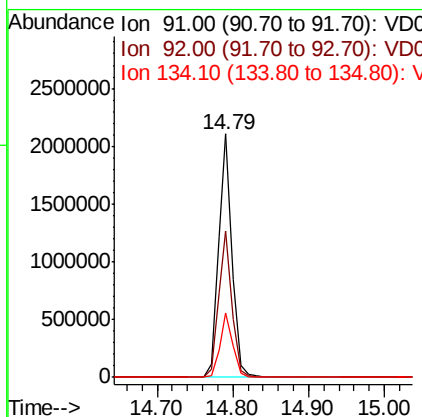
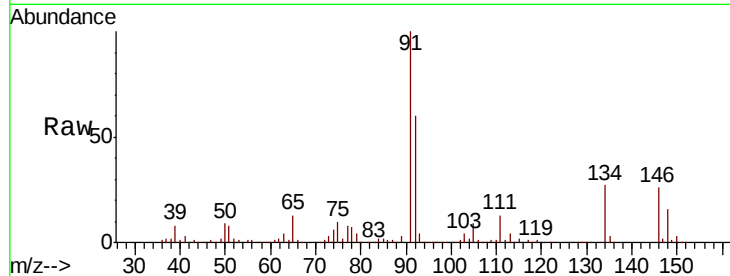




#89
n-Butylbenzene
Concen: 106.891 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

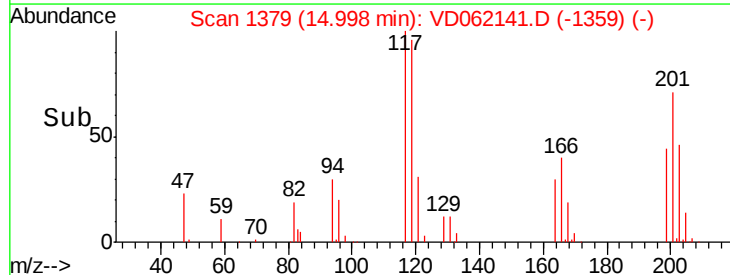
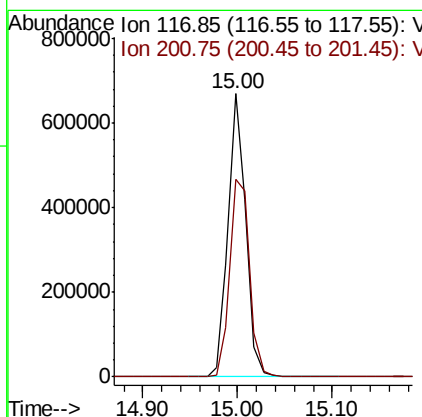
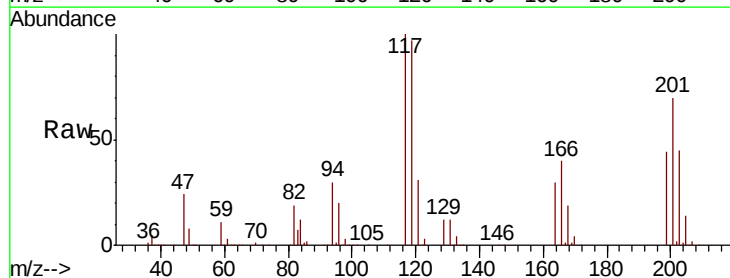
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

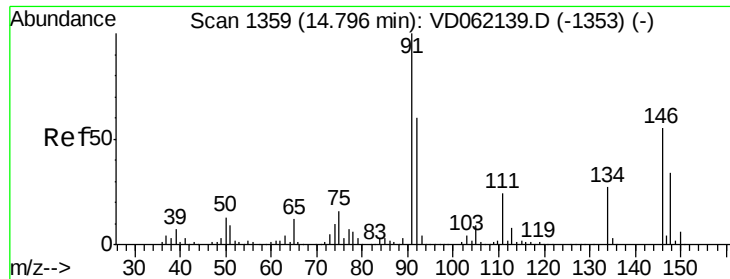
Tgt Ion: 91 Resp: 2622200
Ion Ratio Lower Upper
91 100
92 60.0 30.3 91.0
134 26.5 14.5 43.6



#90
Hexachloroethane
Concen: 109.720 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD062141.D
Acq: 7 May 2019 14:03

Tgt Ion: 117 Resp: 866315
Ion Ratio Lower Upper
117 100
201 70.0 30.2 90.6

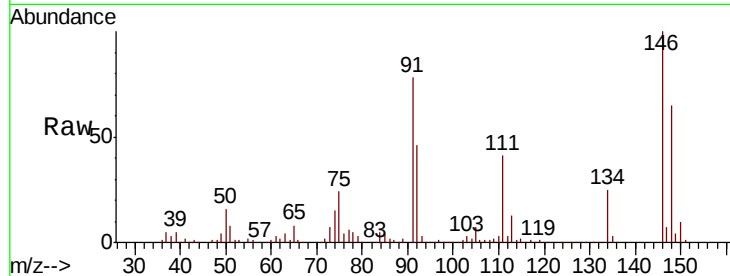




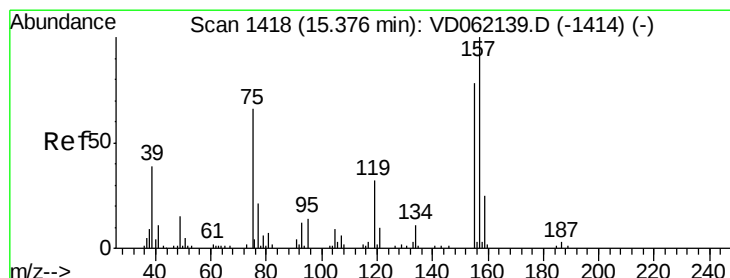
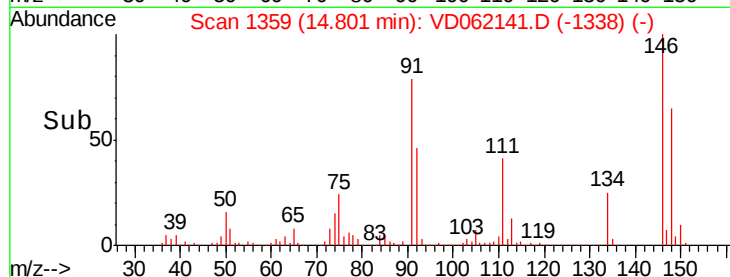
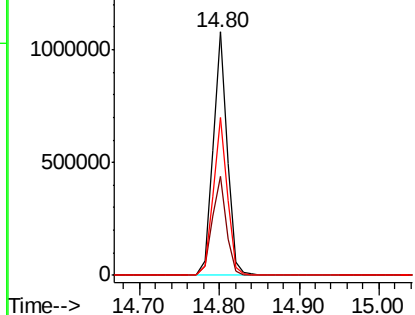
#91
 1,2-Dichlorobenzene
 Concen: 110.646 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1348711
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.0 59.9
 148 64.9 32.3 96.8

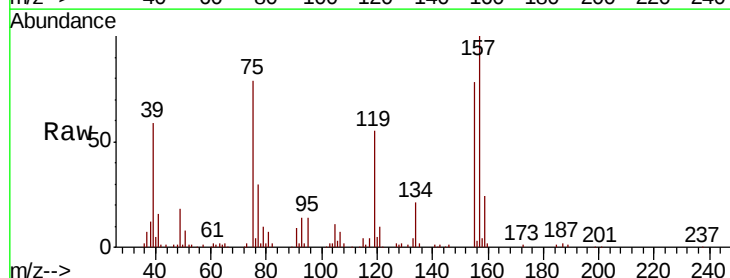


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

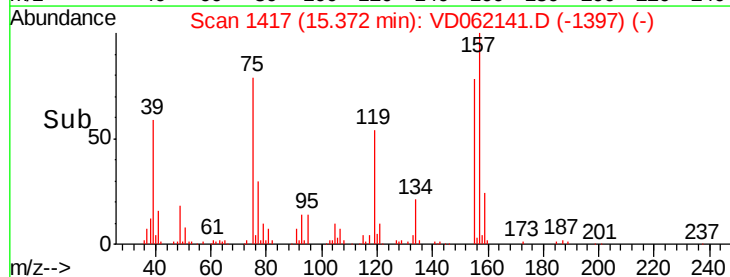
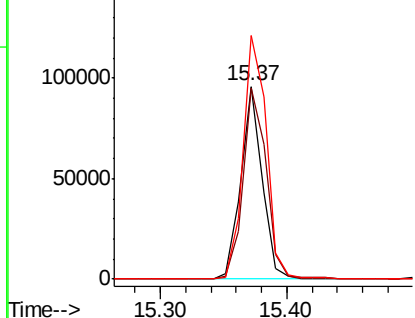


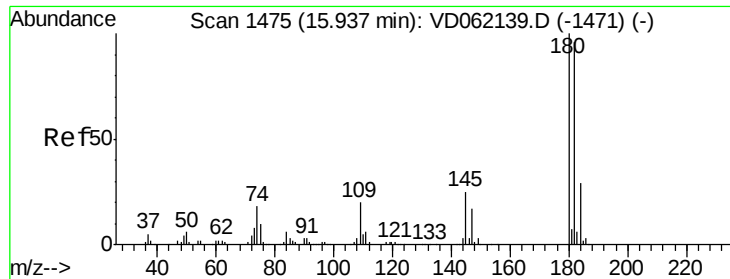
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 118.290 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion: 75 Resp: 111658
 Ion Ratio Lower Upper
 75 100
 155 99.1 55.3 165.8
 157 126.5 67.8 203.2



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

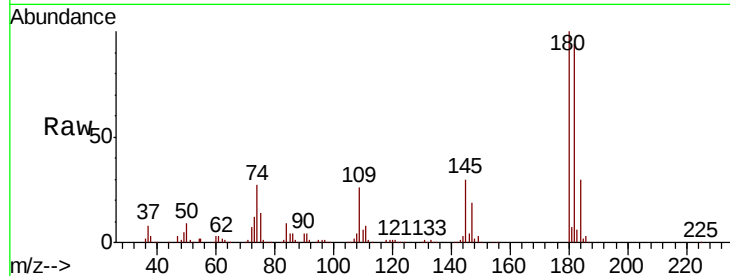




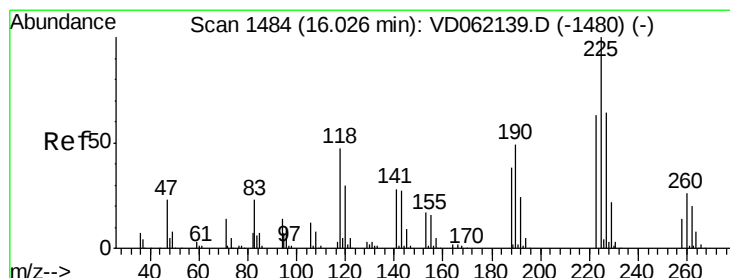
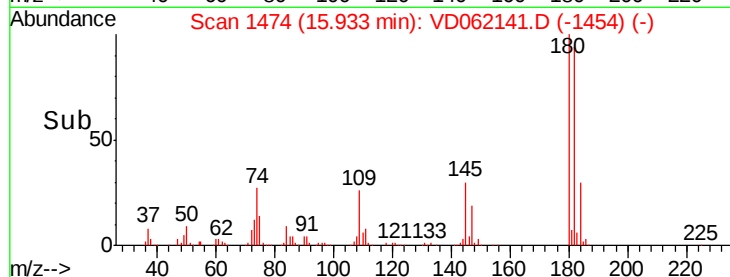
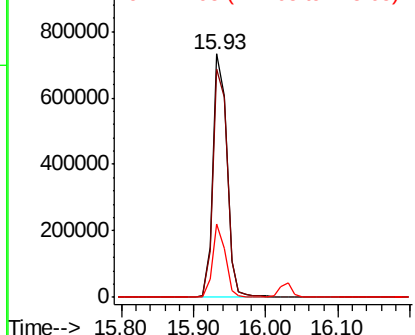
#93
 1,2,4-Trichlorobenzene
 Concen: 110.457 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 981430
 Ion Ratio Lower Upper
 180 100
 182 93.5 49.3 147.8
 145 30.4 16.2 48.6

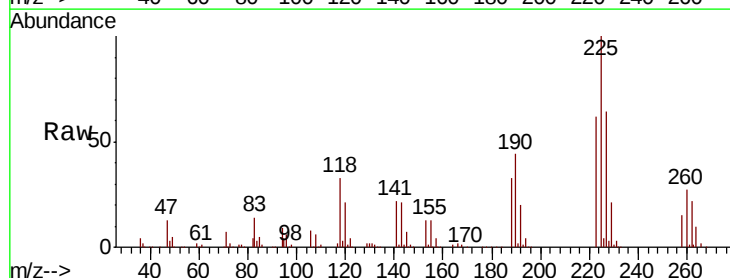


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

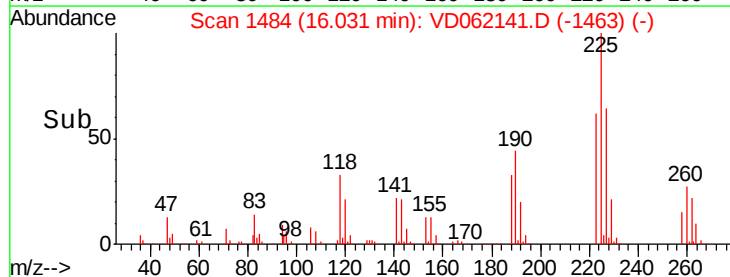
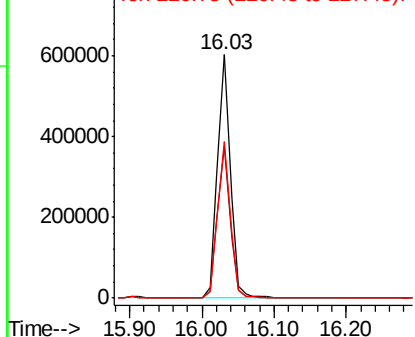


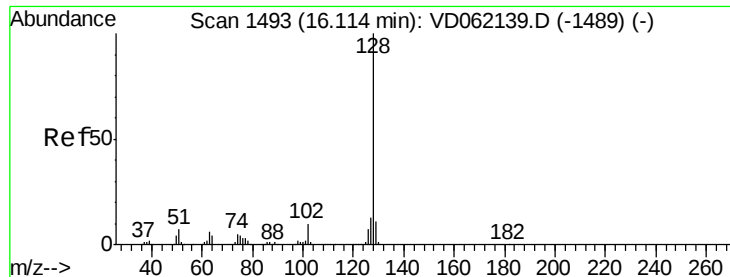
#94
 Hexachlorobutadiene
 Concen: 107.049 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062141.D
 Acq: 7 May 2019 14:03

Tgt Ion:225 Resp: 737034
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.6 92.0
 227 64.3 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: 114.075 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

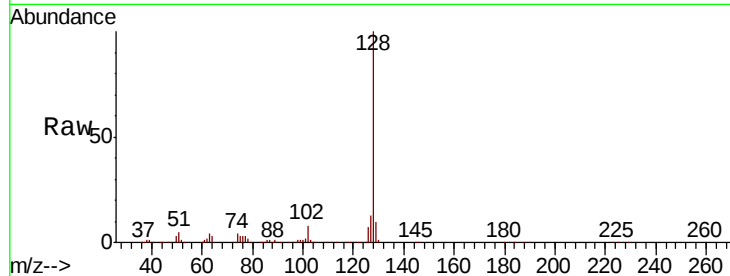
Tgt Ion:128 Resp: 1517172

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

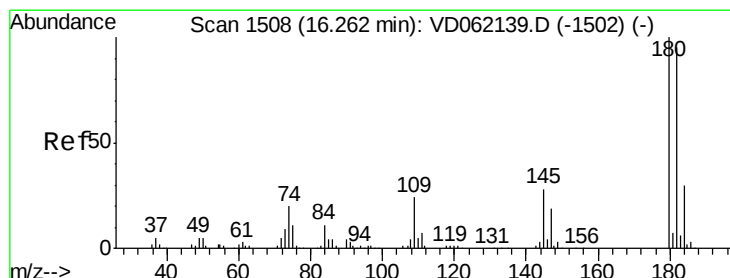
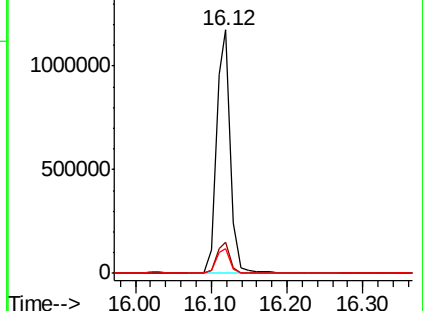
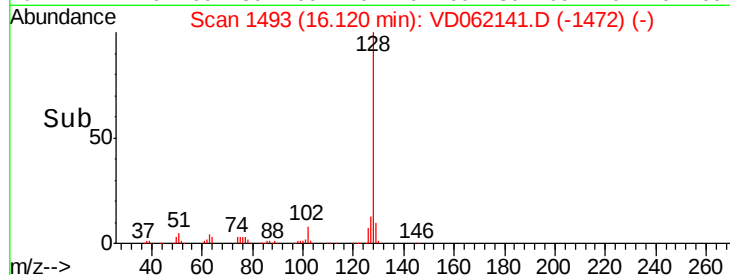
129 10.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 114.185 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD062141.D

Acq: 7 May 2019 14:03

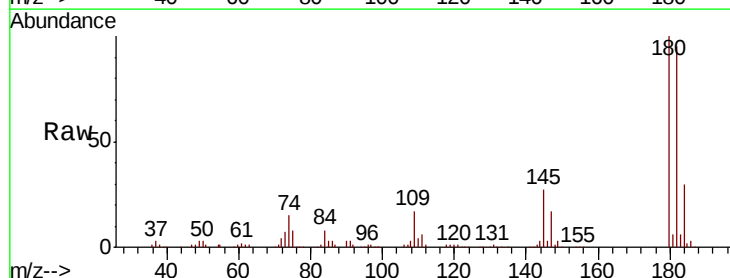
Tgt Ion:180 Resp: 669578

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.0

145 27.0 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

