

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062146.D
 Acq On : 7 May 2019 22:29
 Operator : FY/SY
 Sample : VD0507SBS01
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Quant Time: May 08 04:32:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.97	168	617359	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	8.16	114	919310	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	812026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	526359	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.39	65	317777	55.39	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	110.78%	
35) Dibromofluoromethane	6.85	113	386496	50.67	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.37	98	959957	52.20	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	13.54	95	413916	56.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.55	85	111236	18.839	ug/l	99
3) Chloromethane	1.72	50	85978	20.152	ug/l	93
4) Vinyl Chloride	1.82	62	85727	20.445	ug/l	98
5) Bromomethane	2.10	94	17716	18.032	ug/l	91
6) Chloroethane	2.20	64	28986	16.475	ug/l	94
7) Trichlorofluoromethane	2.47	101	166185	20.386	ug/l	92
8) Diethyl Ether	2.80	74	38233	24.319	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.08	101	124515	20.192	ug/l	99
10) Methyl Iodide	3.23	142	163767	17.572	ug/l	96
11) Tert butyl alcohol	3.97	59	36136	123.393	ug/l #	93
12) 1,1-Dichloroethene	3.06	96	96944	20.595	ug/l	98
13) Acrolein	2.96	56	33752	111.430	ug/l	92
14) Allyl chloride	3.53	41	136092	19.884	ug/l	87
15) Acrylonitrile	4.10	53	87638	113.853	ug/l	87
16) Acetone	3.14	43	120517	100.168	ug/l	96
17) Carbon Disulfide	3.30	76	265097	19.577	ug/l	100
18) Methyl Acetate	3.56	43	48034	22.153	ug/l #	89
19) Methyl tert-butyl Ether	4.14	73	211373	20.949	ug/l	95
20) Methylene Chloride	3.73	84	150073	29.874	ug/l	97
21) trans-1,2-Dichloroethene	4.13	96	103764	19.809	ug/l	98
22) Diisopropyl ether	5.01	45	319204	21.916	ug/l	96
23) Vinyl Acetate	4.95	43	901308	117.290	ug/l	99
24) 1,1-Dichloroethane	4.89	63	193654	22.040	ug/l	98
25) 2-Butanone	5.98	43	137799	105.002	ug/l	96
26) 2,2-Dichloropropane	5.94	77	159674	18.244	ug/l	99
27) cis-1,2-Dichloroethene	5.95	96	118255	20.169	ug/l	98
28) Bromochloromethane	6.35	49	82265	23.798	ug/l	91
29) Tetrahydrofuran	6.38	42	67980	112.424	ug/l	95
30) Chloroform	6.59	83	218940	20.676	ug/l	99
31) Cyclohexane	6.87	56	114541	19.028	ug/l	97
32) 1,1,1-Trichloroethane	6.80	97	205768	20.559	ug/l	99
36) 1,1-Dichloropropene	7.08	75	144814	19.212	ug/l	97
37) Ethyl Acetate	6.10	43	73967	23.140	ug/l #	92
38) Carbon Tetrachloride	7.04	117	198225	19.001	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.81	83	133367	18.467	ug/l #	89
40) Benzene	7.39	78	338813	19.906	ug/l	99
41) Methacrylonitrile	6.36	41	87037	22.281	ug/l #	90
42) 1,2-Dichloroethane	7.51	62	143317	19.874	ug/l	95
43) Isopropyl Acetate	9.19	43	92485	20.401	ug/l	99
44) Trichloroethene	8.48	130	128919	19.877	ug/l	89
45) 1,2-Dichloropropane	8.88	63	78073	18.545	ug/l	100
46) Dibromomethane	9.01	93	68133	19.901	ug/l	94
47) Bromodichloromethane	9.32	83	152229	18.179	ug/l	98
48) Methyl methacrylate	9.07	41	61480	22.017	ug/l	90
49) 1,4-Dioxane	9.02	88	14494	481.072	ug/l	96
51) 4-Methyl-2-Pentanone	10.26	43	317239	108.863	ug/l	96
52) Toluene	10.47	92	221727	20.022	ug/l	98
53) t-1,3-Dichloropropene	10.88	75	145783	20.143	ug/l	97
54) cis-1,3-Dichloropropene	9.99	75	149134	18.888	ug/l	94
55) 1,1,2-Trichloroethane	11.15	97	76364	19.489	ug/l	94
56) Ethyl methacrylate	11.01	69	78376	19.249	ug/l	92
57) 1,3-Dichloropropane	11.37	76	118580	20.032	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.81	63	238535	107.249	ug/l	95
59) 2-Hexanone	11.50	43	233818	108.863	ug/l	96
60) Dibromochloromethane	11.66	129	138419	20.441	ug/l	98
61) 1,2-Dibromoethane	11.77	107	100019	20.996	ug/l	97
64) Tetrachloroethene	11.22	164	117248	18.465	ug/l	94
65) Chlorobenzene	12.38	112	303488	20.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.49	131	123237	18.723	ug/l	98
67) Ethyl Benzene	12.50	91	462105	18.250	ug/l	98
68) m/p-Xylenes	12.65	106	321289	34.877	ug/l	96
69) o-Xylene	13.02	106	169216	19.758	ug/l	87
70) Styrene	13.05	104	263416	18.156	ug/l	99
71) Bromoform	13.21	173	96397	21.050	ug/l	97
73) Isopropylbenzene	13.39	105	551127	17.467	ug/l	100
74) N-amyl acetate	13.25	43	142547	17.232	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.68	83	99225	16.612	ug/l	97
76) 1,2,3-Trichloropropane	13.71	75	110703	17.697	ug/l	99
77) Bromobenzene	13.65	156	140450	15.902	ug/l	96
78) n-propylbenzene	13.75	91	695243	18.472	ug/l	92
79) 2-Chlorotoluene	13.82	91	353270	16.389	ug/l	91
80) 1,3,5-Trimethylbenzene	13.92	105	447982	16.861	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.46	75	28327	16.041	ug/l #	84
82) 4-Chlorotoluene	13.93	91	429346	16.926	ug/l	87
83) tert-Butylbenzene	14.18	119	525553	17.599	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	470287	17.639	ug/l	95
85) sec-Butylbenzene	14.35	105	626998	19.149	ug/l	98
86) p-Isopropyltoluene	14.48	119	548952	18.765	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	310671	19.255	ug/l	100
88) 1,4-Dichlorobenzene	14.52	146	292580	18.455	ug/l	96
89) n-Butylbenzene	14.79	91	511596	19.484	ug/l	96
90) Hexachloroethane	14.99	117	136399	17.145	ug/l	94
91) 1,2-Dichlorobenzene	14.80	146	281701	21.200	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17708	18.060	ug/l	82

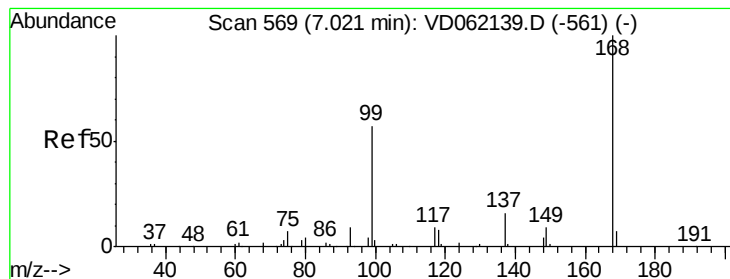
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	190697	19.717	ug/l	91
94) Hexachlorobutadiene	16.03	225	127886	17.778	ug/l	97
95) Naphthalene	16.11	128	262947	19.473	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	137397	22.594	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.97 min Scan# 564

Delta R.T. -0.05 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

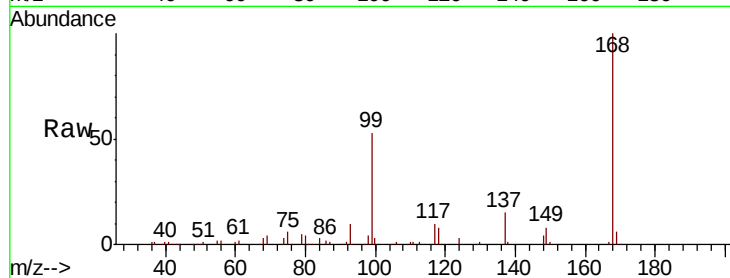
VD0507SBS01

Tot Ion:168 Resp: 617359

Ion Ratio Lower Upper

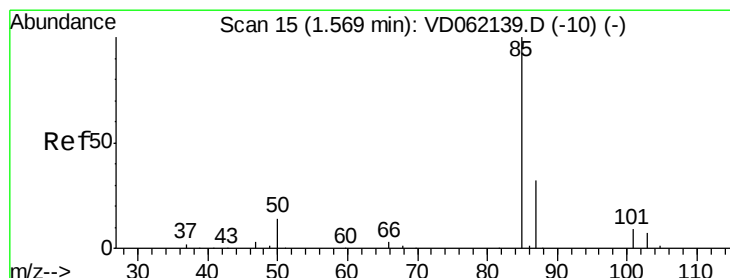
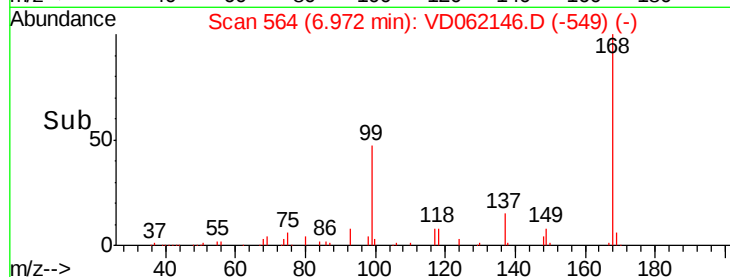
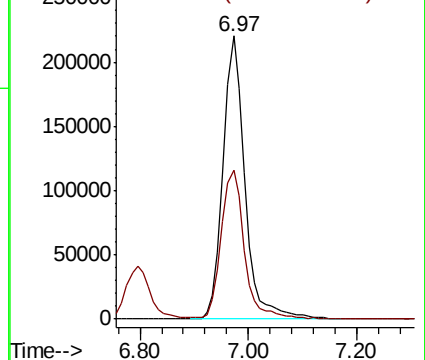
168 100

99 52.8 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: 18.839 ug/l

RT: 1.55 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062146.D

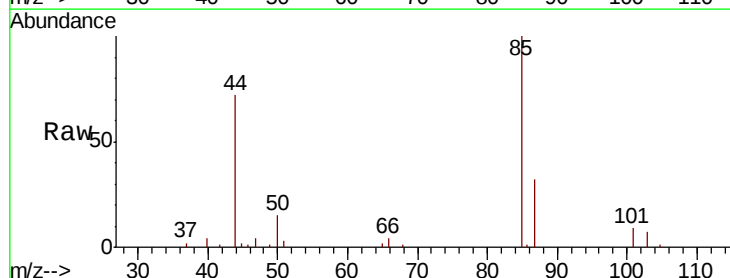
Acq: 7 May 2019 22:29

Tgt Ion: 85 Resp: 111236

Ion Ratio Lower Upper

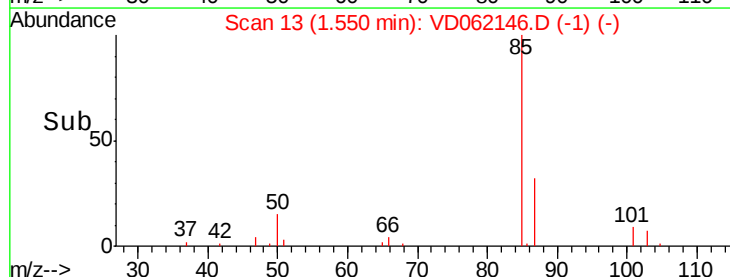
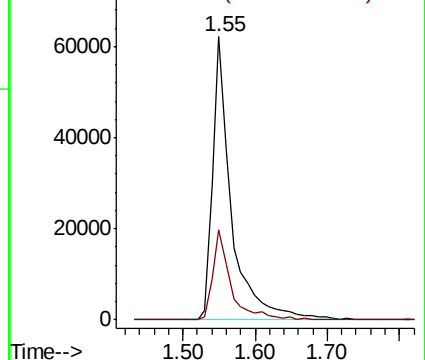
85 100

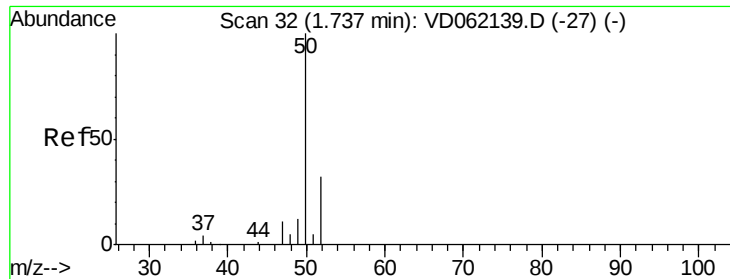
87 32.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.152 ug/l

RT: 1.72 min Scan# 30

Delta R.T. -0.02 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

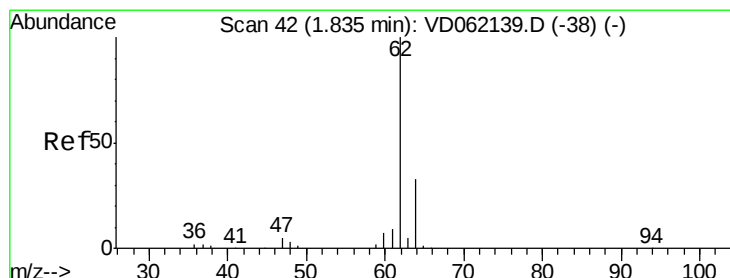
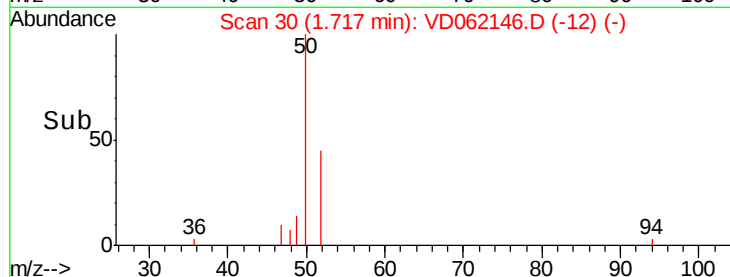
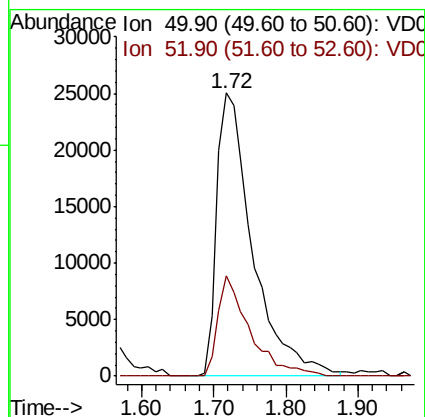
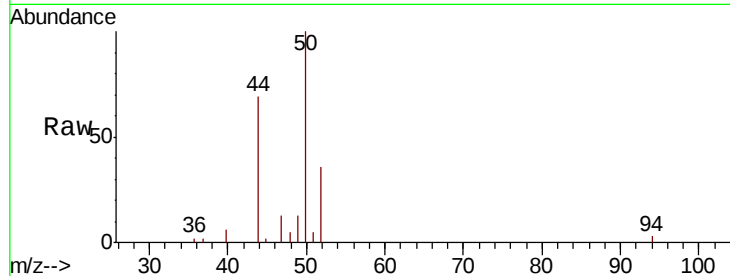
VD0507SBS01

Tot Ion: 50 Resp: 85978

Ion Ratio Lower Upper

50 100

52 35.6 25.2 37.8



#4

Vinyl Chloride

Concen: 20.445 ug/l

RT: 1.82 min Scan# 40

Delta R.T. -0.02 min

Lab File: VD062146.D

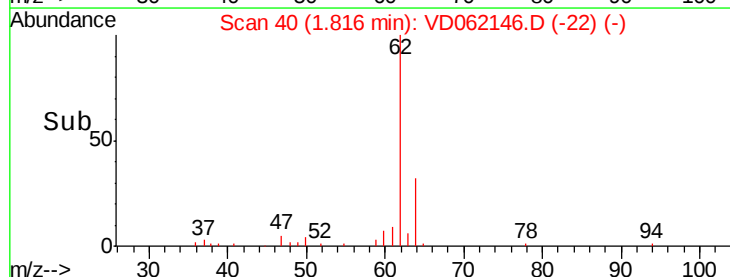
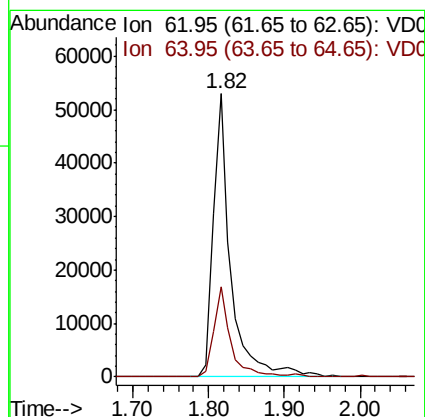
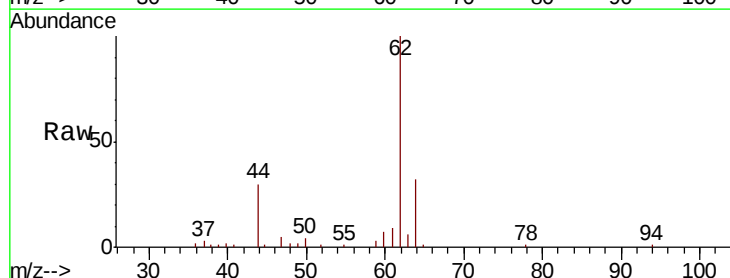
Acq: 7 May 2019 22:29

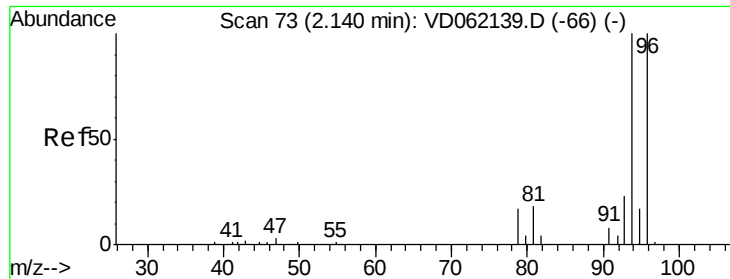
Tgt Ion: 62 Resp: 85727

Ion Ratio Lower Upper

62 100

64 31.9 26.5 39.7





#5

Bromomethane

Concen: 18.032 ug/l

RT: 2.10 min Scan# 69

Delta R.T. -0.04 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

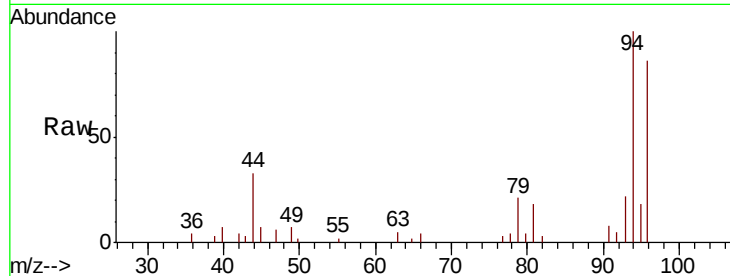
Tot Ion: 94 Resp: 17716

Ion Ratio Lower Upper

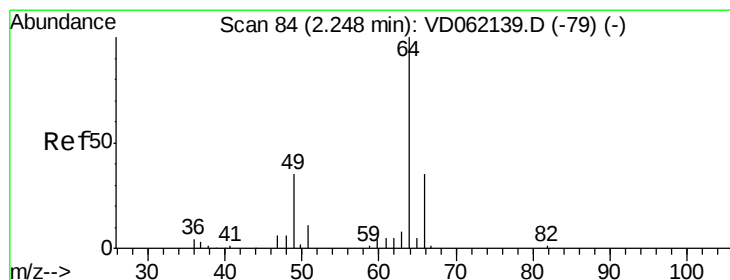
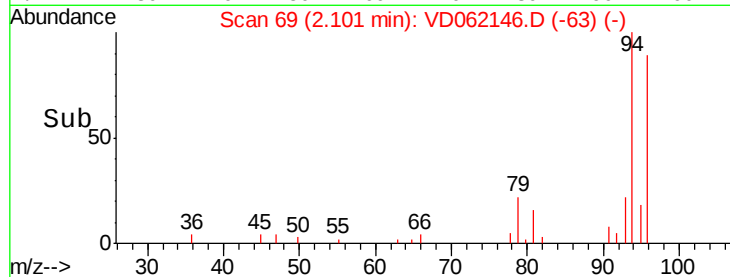
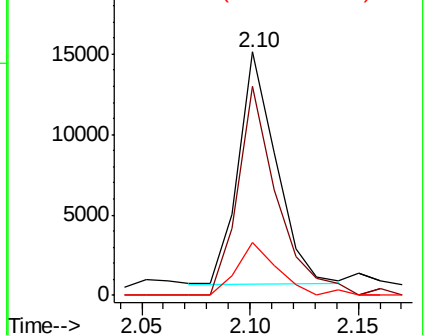
94 100

96 85.8 76.6 115.0

93 21.7 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 16.475 ug/l

RT: 2.20 min Scan# 79

Delta R.T. -0.05 min

Lab File: VD062146.D

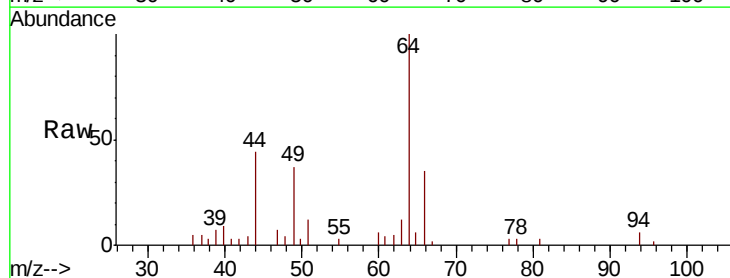
Acq: 7 May 2019 22:29

Tgt Ion: 64 Resp: 28986

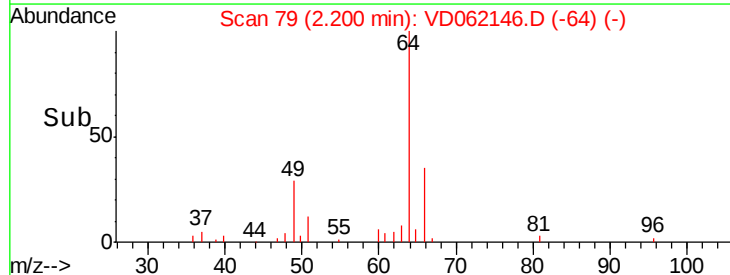
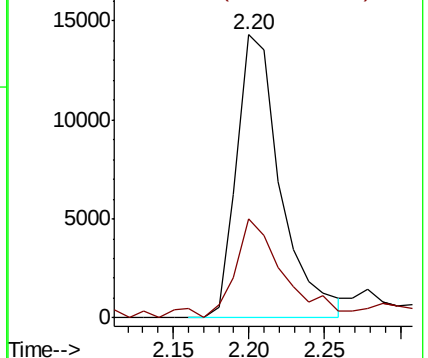
Ion Ratio Lower Upper

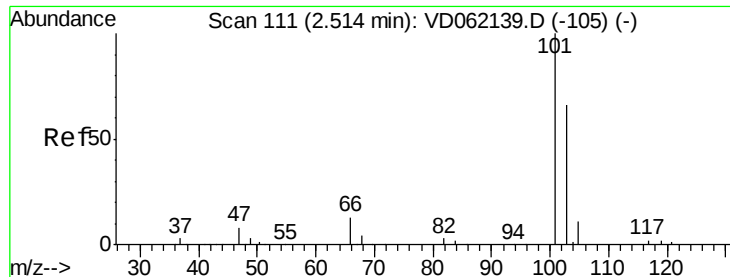
64 100

66 35.2 25.6 38.4



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



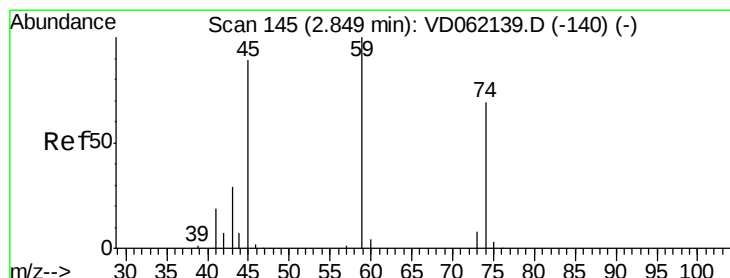
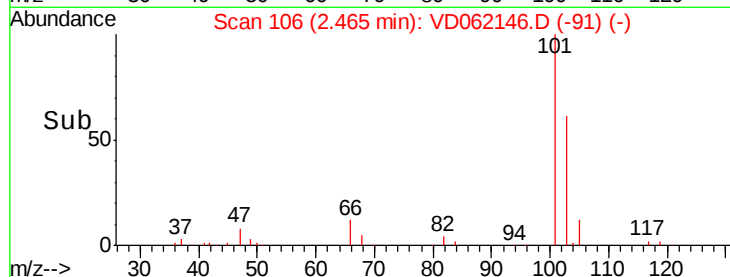
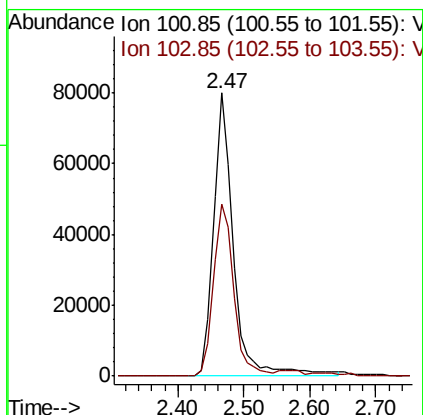
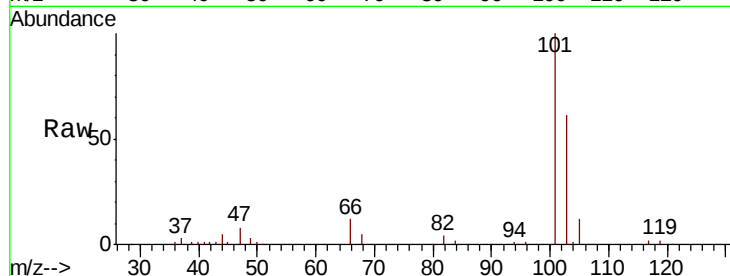


#7

Trichlorofluoromethane
 Concen: 20.386 ug/l
 RT: 2.47 min Scan# 106
 Delta R.T. -0.05 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Instrument :
 MSVOA_D
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 VD0507SBS01

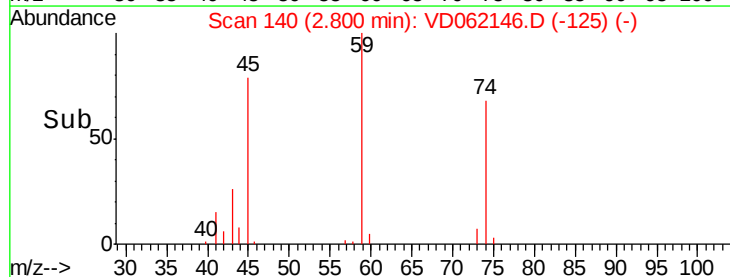
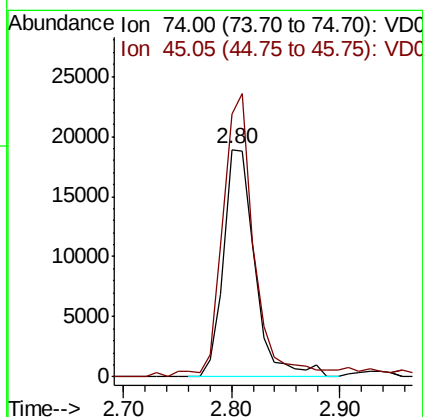
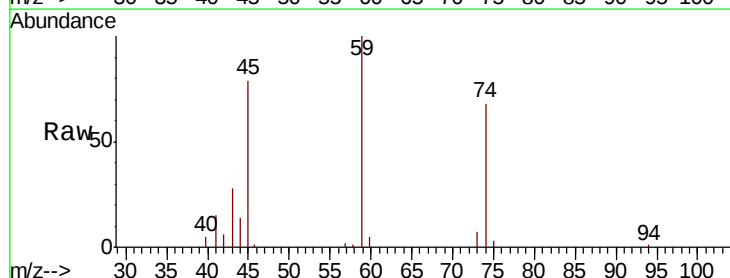
Tot Ion:101 Resp: 166185
 Ion Ratio Lower Upper
 101 100
 103 60.9 53.6 80.4



#8

Diethyl Ether
 Concen: 24.319 ug/l
 RT: 2.80 min Scan# 140
 Delta R.T. -0.05 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion: 74 Resp: 38233
 Ion Ratio Lower Upper
 74 100
 45 117.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.192 ug/l

RT: 3.08 min Scan# 168

Delta R.T. -0.06 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

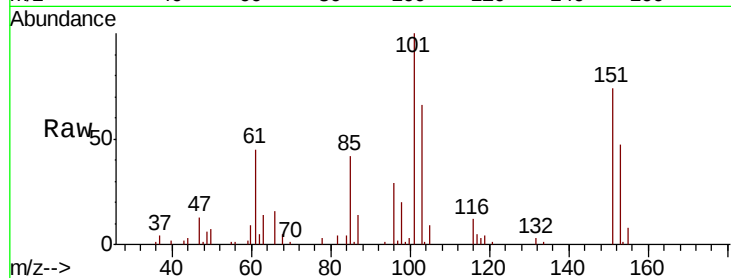
Tot Ion:101 Resp: 124515

Ion Ratio Lower Upper

101 100

85 42.0 32.4 48.6

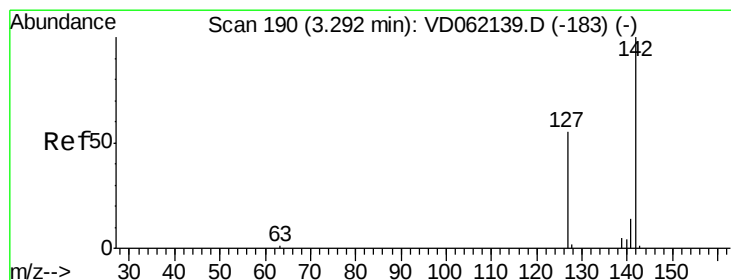
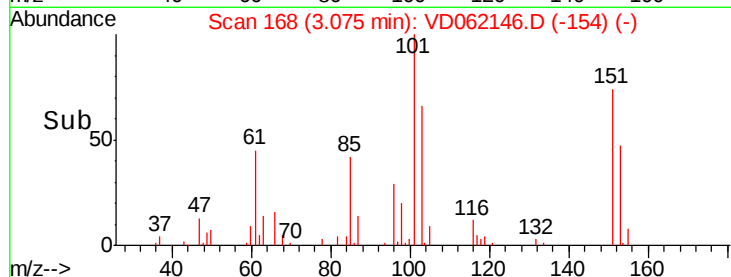
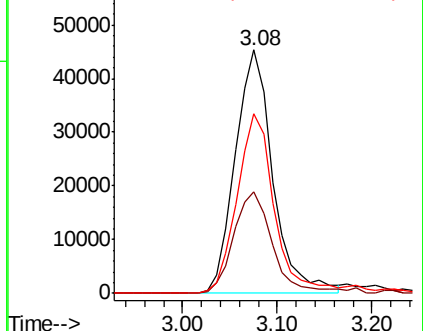
151 74.0 59.4 89.0



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: 17.572 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.06 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

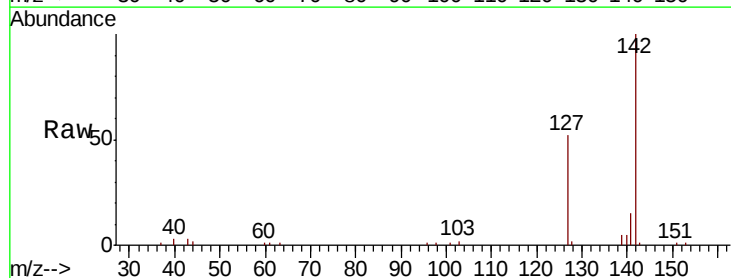
Tgt Ion:142 Resp: 163767

Ion Ratio Lower Upper

142 100

127 52.0 38.8 58.2

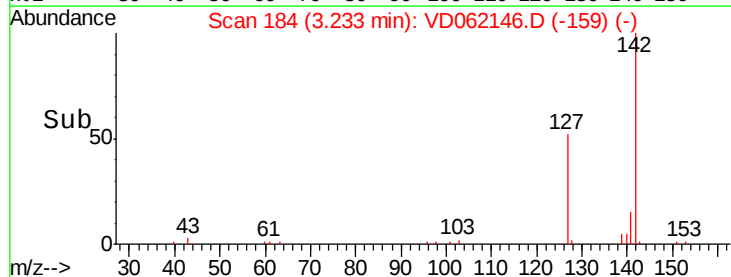
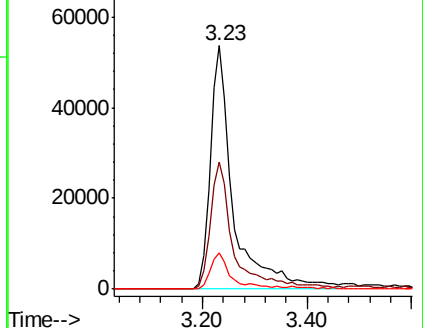
141 14.8 11.4 17.0

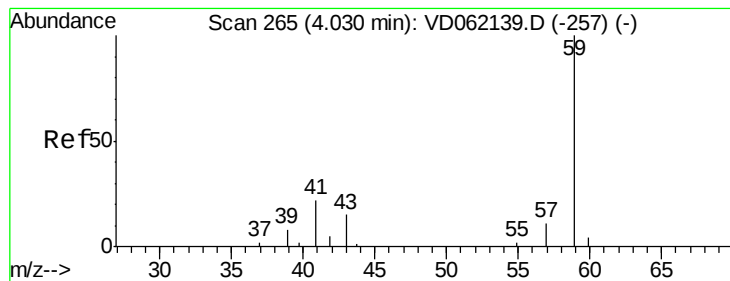


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



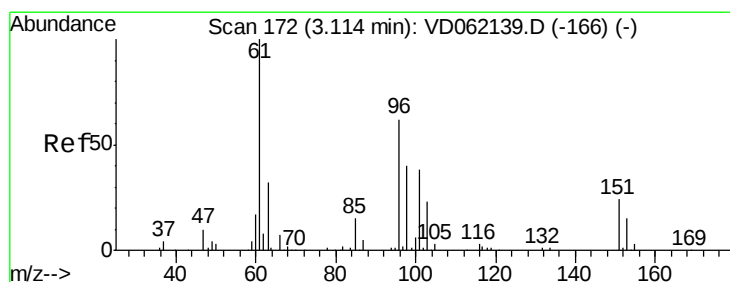
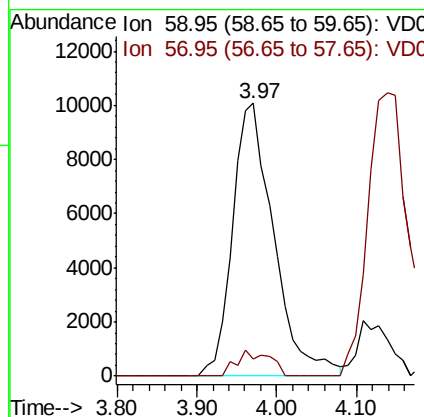
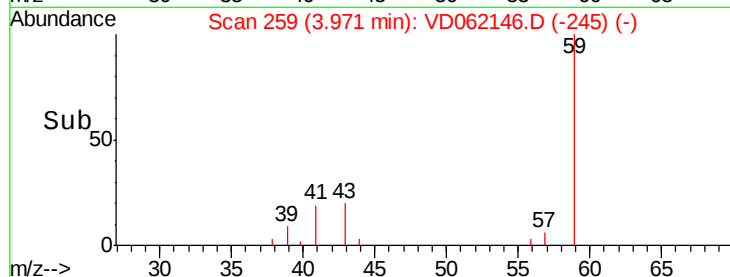
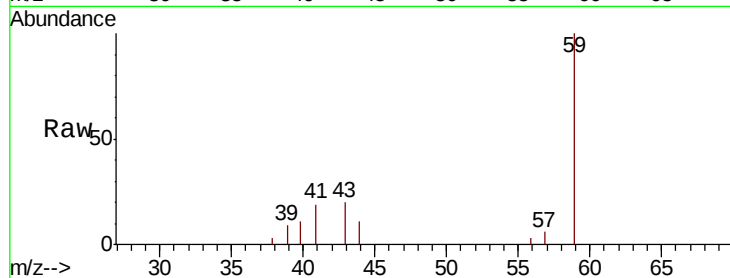


#11

Tert butyl alcohol
 Concen: 123.393 ug/l
 RT: 3.97 min Scan# 259
 Delta R.T. -0.06 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

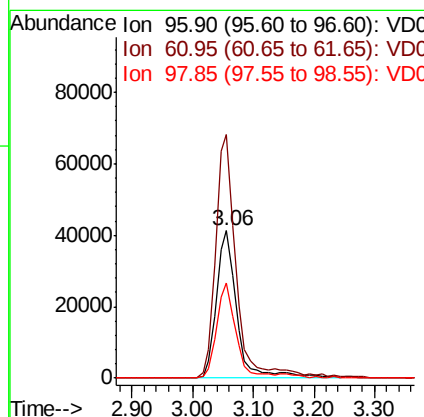
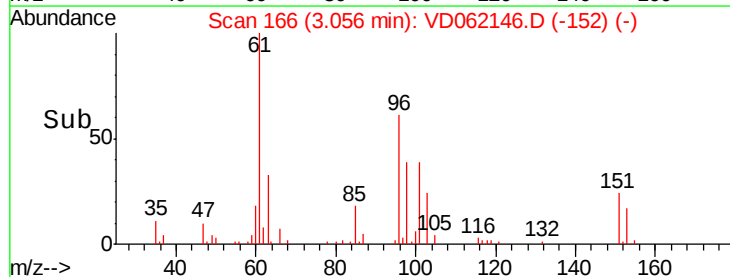
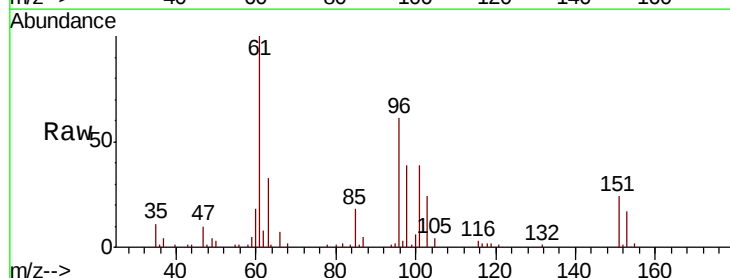
Tot Ion: 59 Resp: 36136
 Ion Ratio Lower Upper
 59 100
 57 6.2 6.9 10.3#

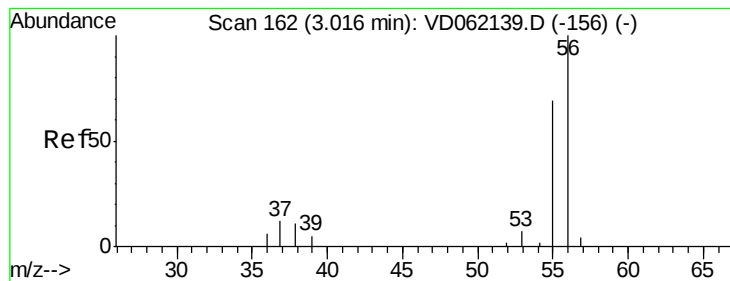


#12

1,1-Dichloroethene
 Concen: 20.595 ug/l
 RT: 3.06 min Scan# 166
 Delta R.T. -0.06 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion: 96 Resp: 96944
 Ion Ratio Lower Upper
 96 100
 61 165.2 129.8 194.8
 98 64.8 51.2 76.8





#13

Acrolein

Concen: 111.430 ug/l

RT: 2.96 min Scan# 156

Delta R.T. -0.06 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

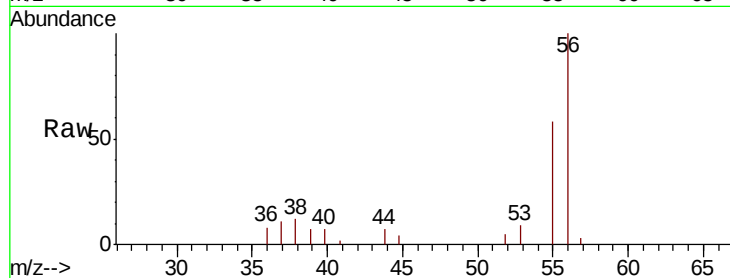
VD0507SBS01

Tot Ion: 56 Resp: 33752

Ion Ratio Lower Upper

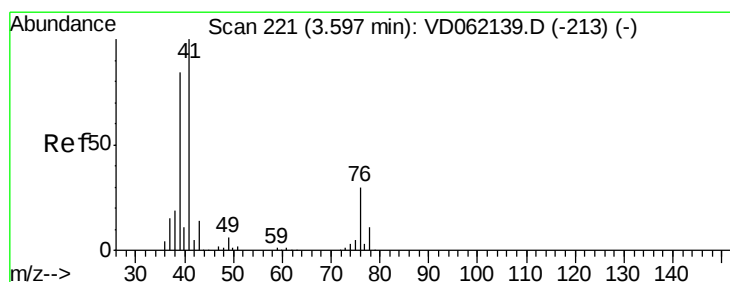
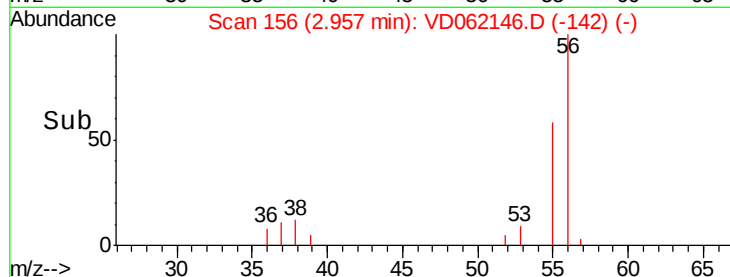
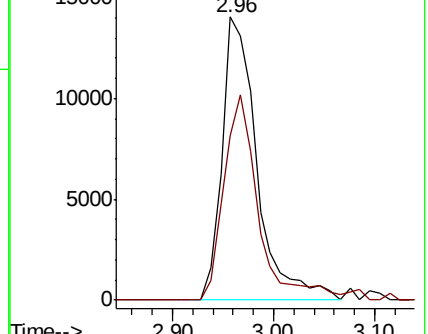
56 100

55 58.1 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.884 ug/l

RT: 3.53 min Scan# 214

Delta R.T. -0.07 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

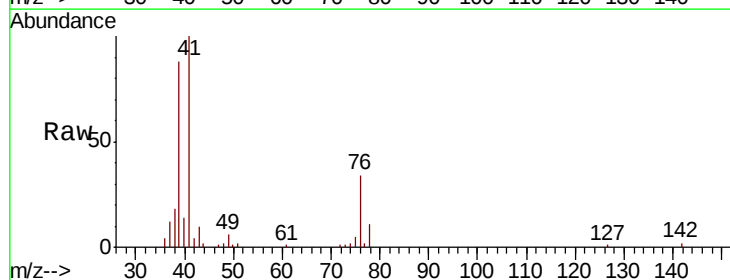
Tgt Ion: 41 Resp: 136092

Ion Ratio Lower Upper

41 100

39 88.1 60.5 90.7

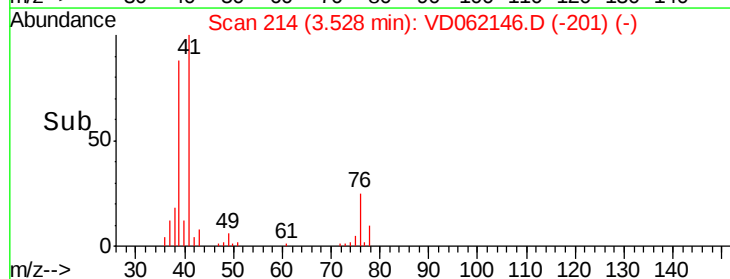
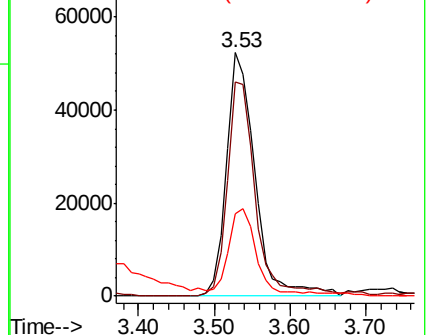
76 34.0 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 113.853 ug/l

RT: 4.10 min Scan# 272

Delta R.T. -0.07 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

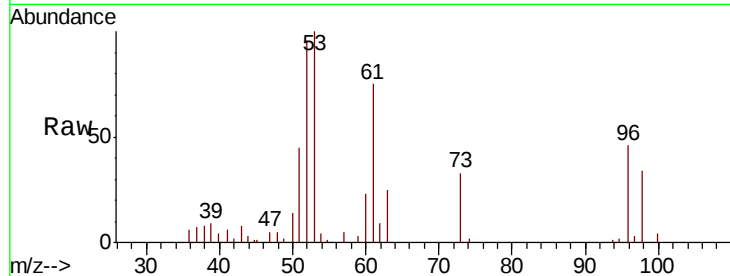
Tot Ion: 53 Resp: 87638

Ion Ratio Lower Upper

53 100

52 96.0 65.0 97.4

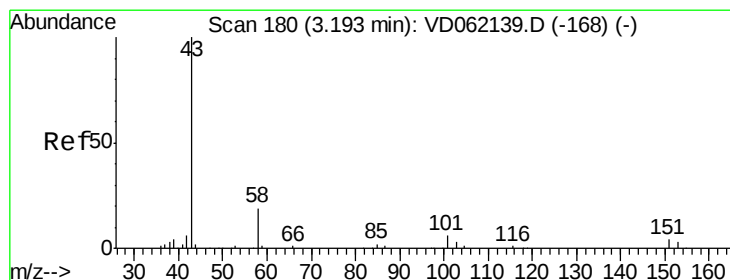
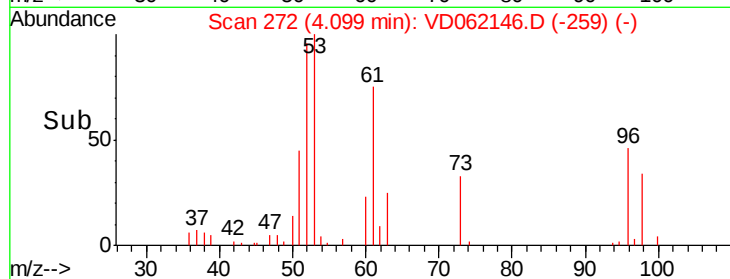
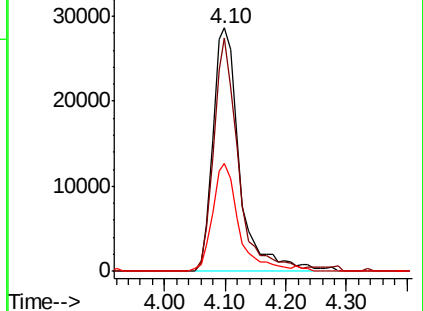
51 44.5 32.6 48.8



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: 100.168 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.05 min

Lab File: VD062146.D

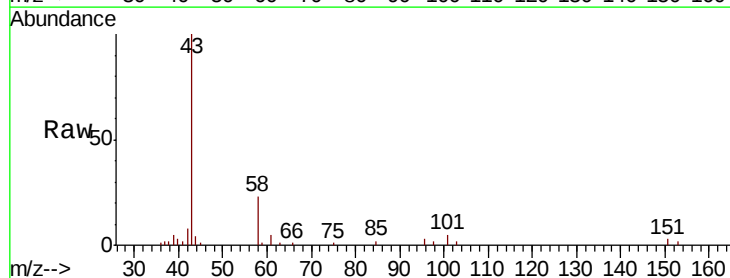
Acq: 7 May 2019 22:29

Tgt Ion: 43 Resp: 120517

Ion Ratio Lower Upper

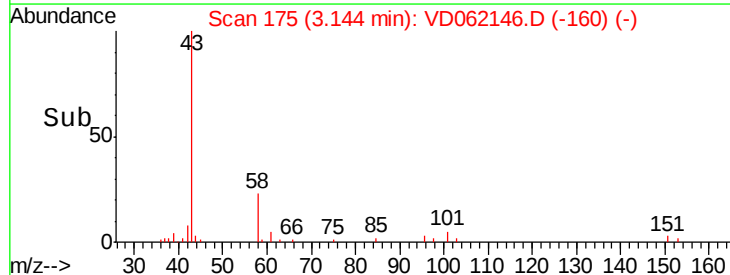
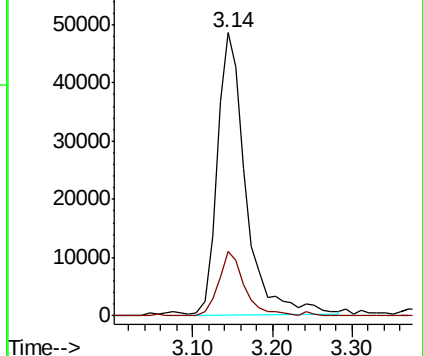
43 100

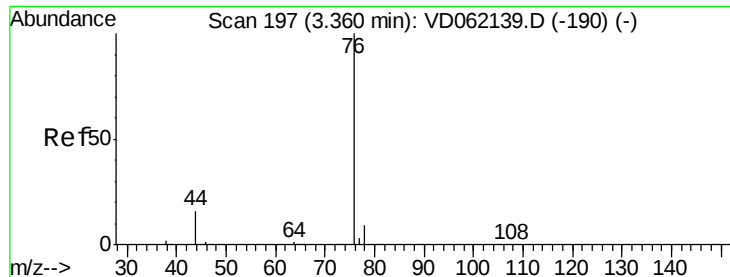
58 22.8 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

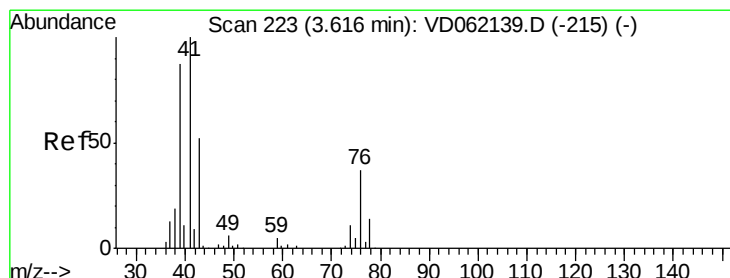
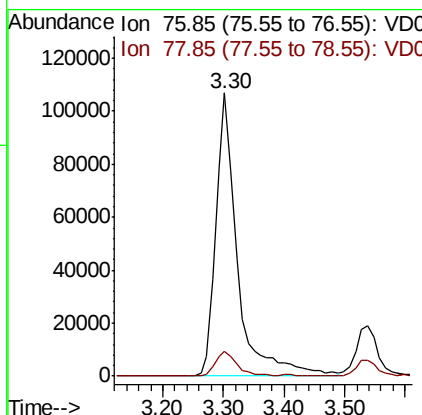
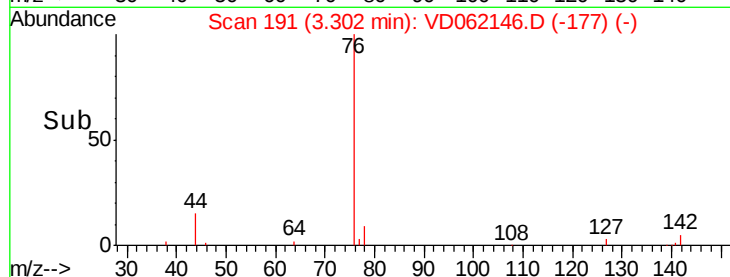
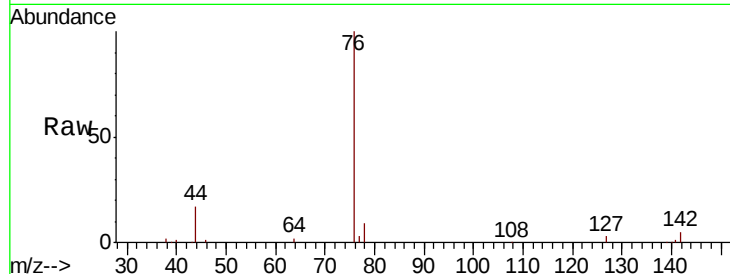




#17
Carbon Disulfide
Concen: 19.577 ug/l
RT: 3.30 min Scan# 191
Delta R.T. -0.06 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

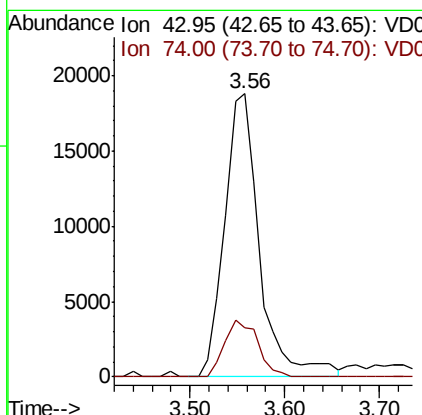
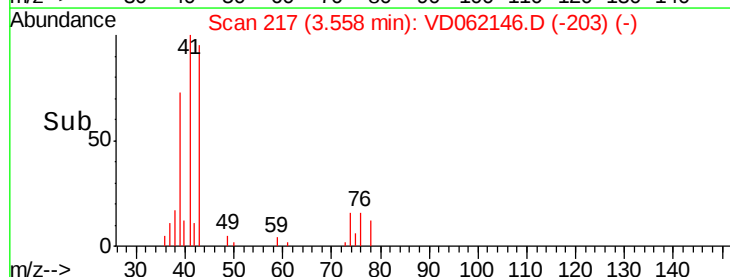
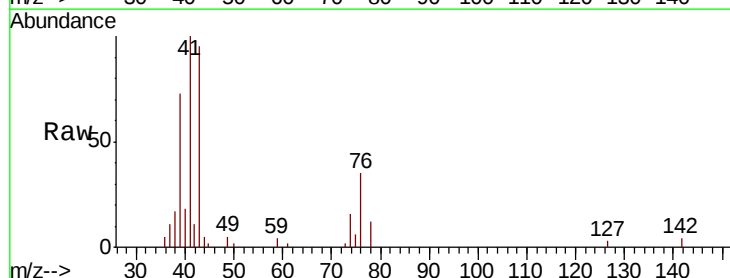
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 76 Resp: 265097
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 22.153 ug/l
RT: 3.56 min Scan# 217
Delta R.T. -0.06 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 43 Resp: 48034
Ion Ratio Lower Upper
43 100
74 17.3 18.0 27.0#

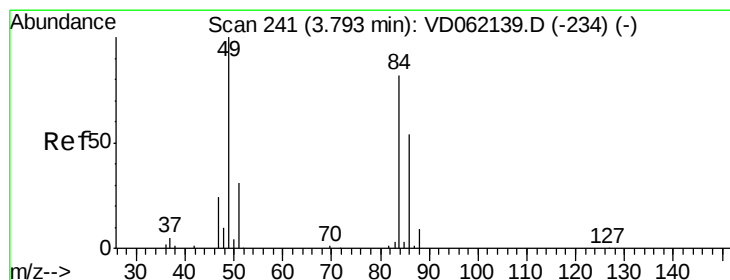
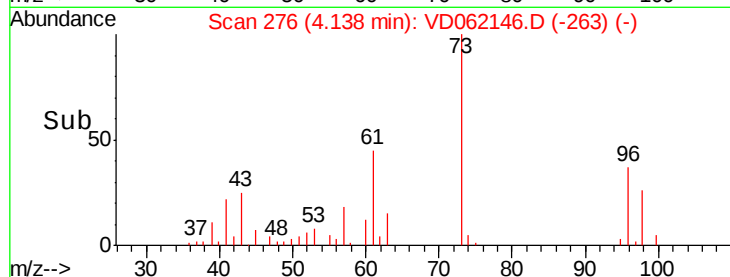
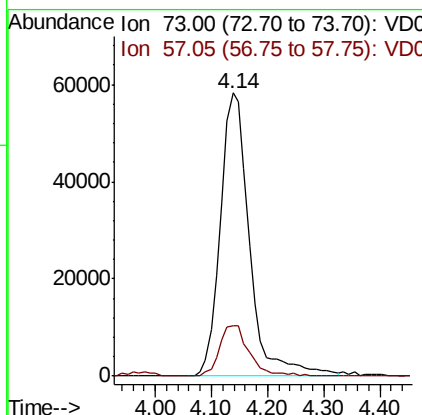
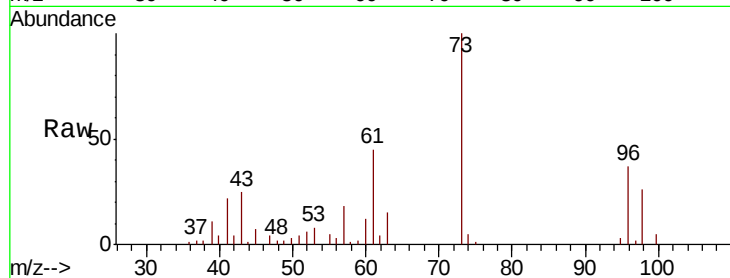




#19
Methyl tert-butyl Ether
Concen: 20.949 ug/l
RT: 4.14 min Scan# 276
Delta R.T. -0.07 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

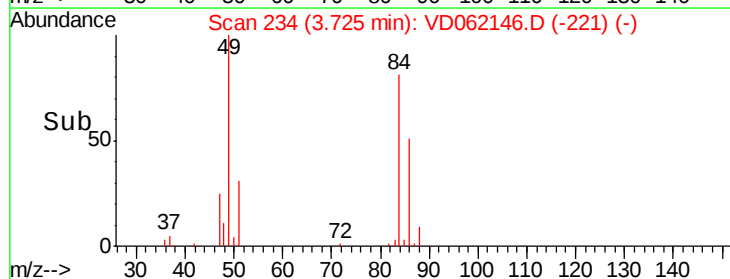
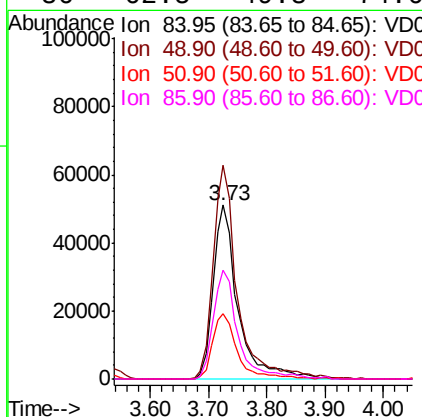
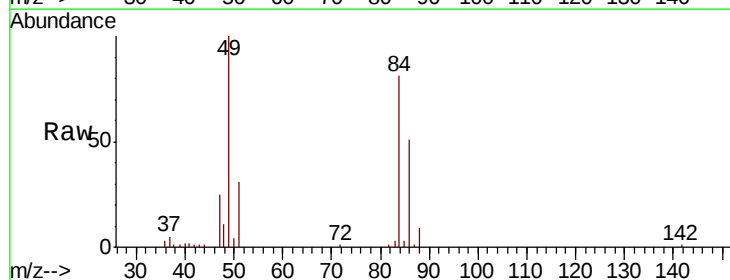
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 73 Resp: 211373
Ion Ratio Lower Upper
73 100
57 17.9 16.3 24.5



#20
Methylene Chloride
Concen: 29.874 ug/l
RT: 3.73 min Scan# 234
Delta R.T. -0.07 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 84 Resp: 150073
Ion Ratio Lower Upper
84 100
49 123.0 94.0 141.0
51 37.9 29.0 43.4
86 62.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.809 ug/l

RT: 4.13 min Scan# 275

Delta R.T. -0.07 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

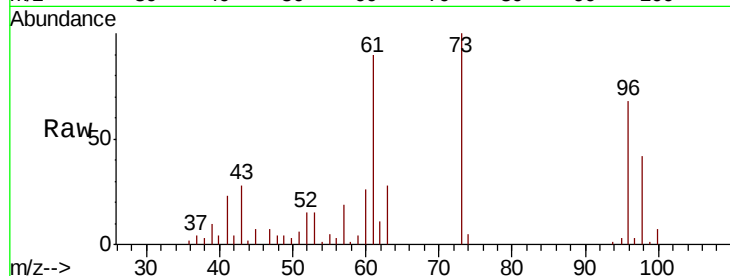
Tot Ion: 96 Resp: 103764

Ion Ratio Lower Upper

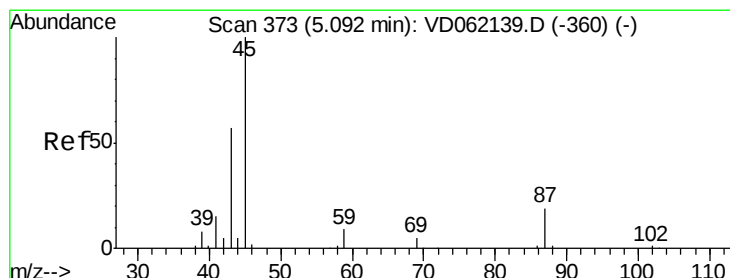
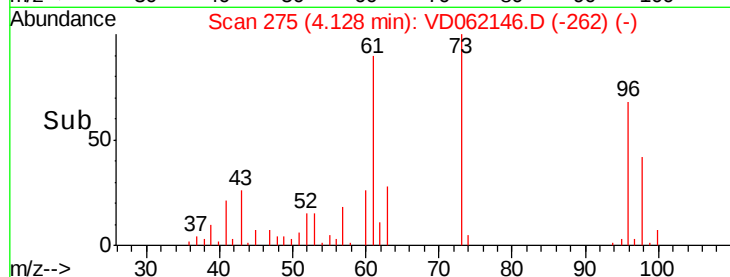
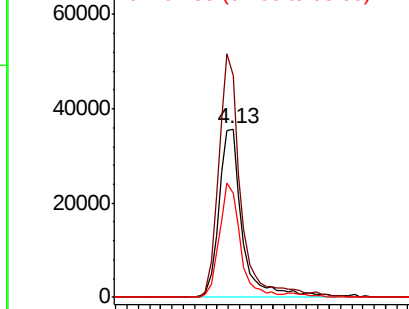
96 100

61 131.8 104.4 156.6

98 61.6 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: 21.916 ug/l

RT: 5.01 min Scan# 365

Delta R.T. -0.08 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Tgt Ion: 45 Resp: 319204

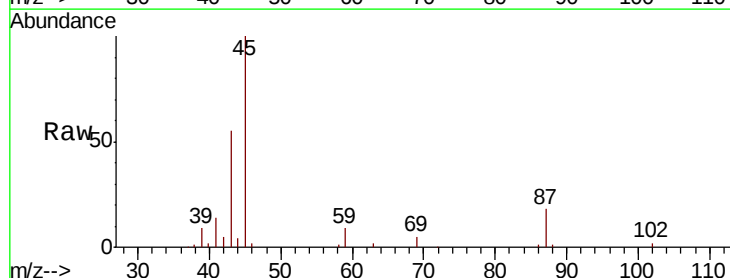
Ion Ratio Lower Upper

45 100

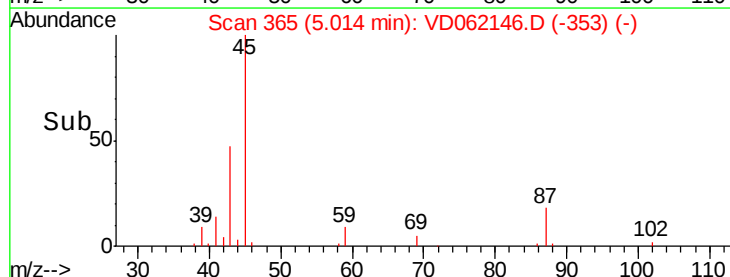
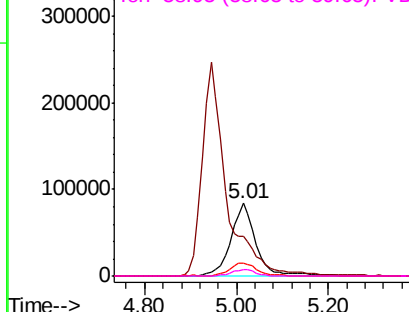
43 54.7 46.2 69.2

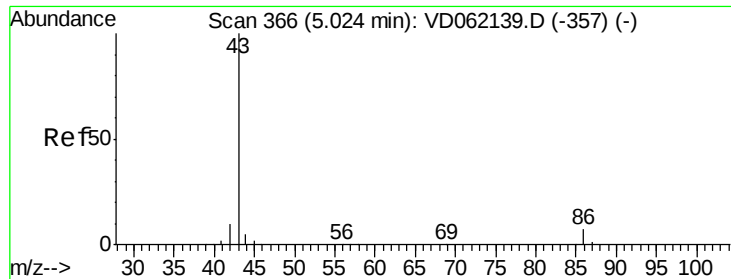
87 18.0 15.9 23.9

59 8.6 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: 117.290 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.08 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleID :

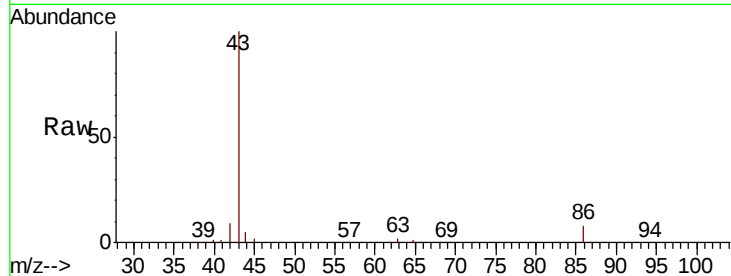
VD0507SBS01

Tot Ion: 43 Resp: 901308

Ion Ratio Lower Upper

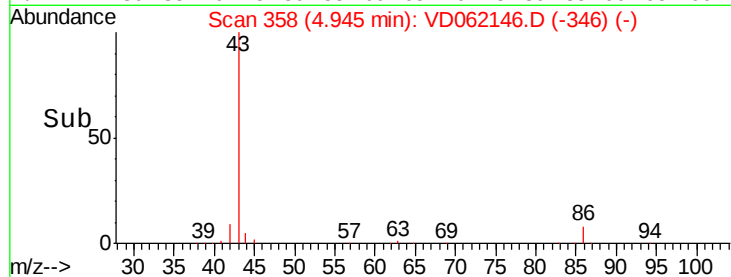
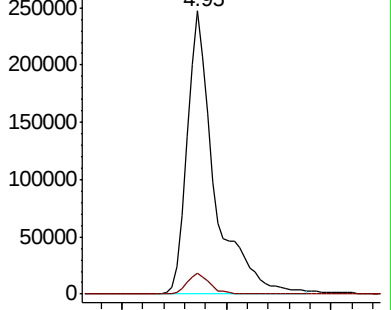
43 100

86 7.6 6.4 9.6

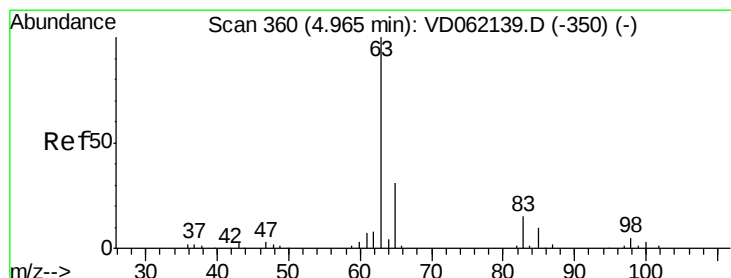


Abundance Ion 42.95 (42.65 to 43.65): VD062139.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VD062139.D (-357) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 22.040 ug/l

RT: 4.89 min Scan# 352

Delta R.T. -0.08 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

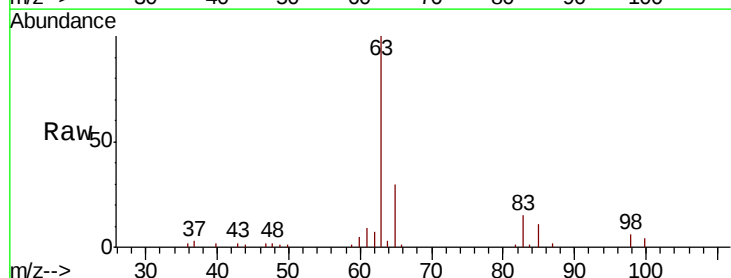
Tgt Ion: 63 Resp: 193654

Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

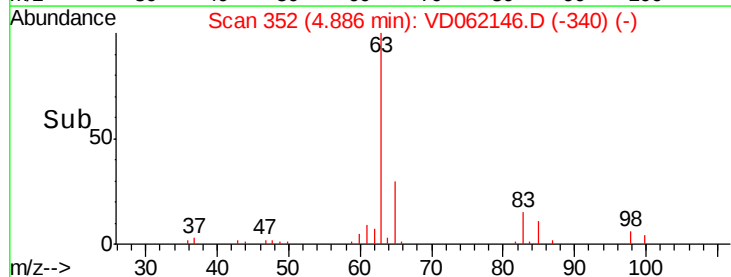
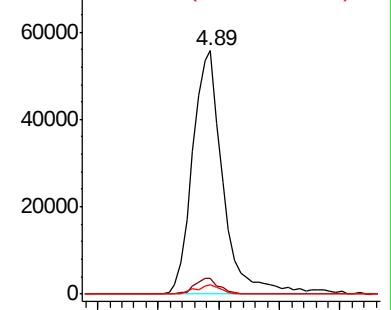
100 3.9 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062139.D (-350) (-)

Ion 97.95 (97.65 to 98.65): VD062139.D (-350) (-)

Ion 99.95 (99.65 to 100.65): VD062139.D (-350) (-)



Time-->



#25

2-Butanone

Concen: 105.002 ug/l

RT: 5.98 min Scan# 463

Delta R.T. -0.06 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

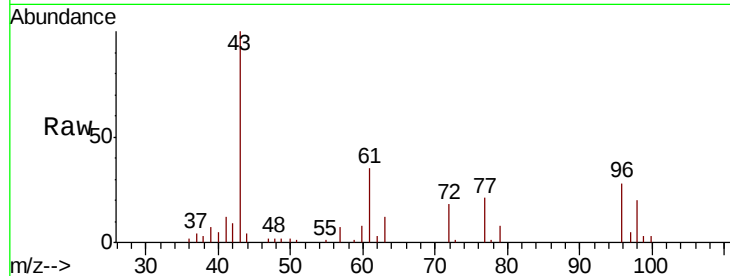
VD0507SBS01

Tot Ion: 43 Resp: 137799

Ion Ratio Lower Upper

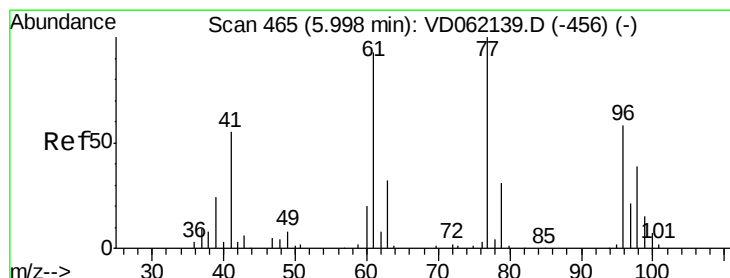
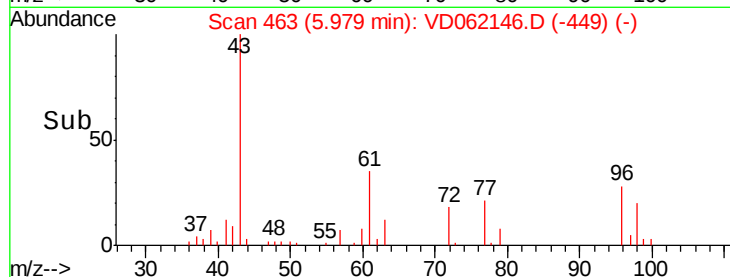
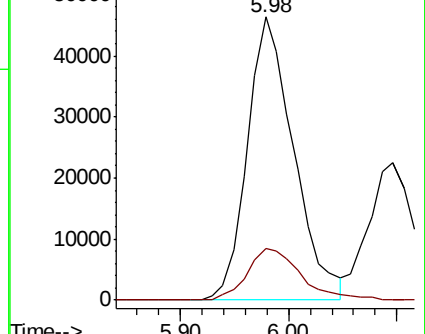
43 100

72 18.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.244 ug/l

RT: 5.94 min Scan# 459

Delta R.T. -0.06 min

Lab File: VD062146.D

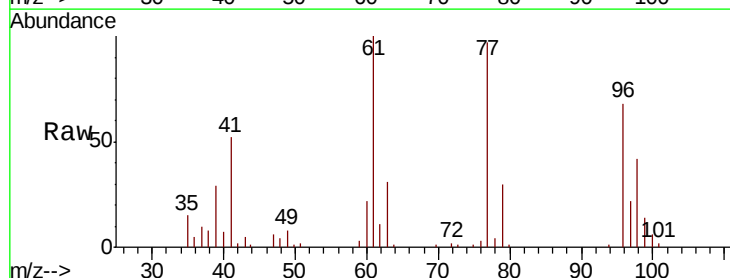
Acq: 7 May 2019 22:29

Tgt Ion: 77 Resp: 159674

Ion Ratio Lower Upper

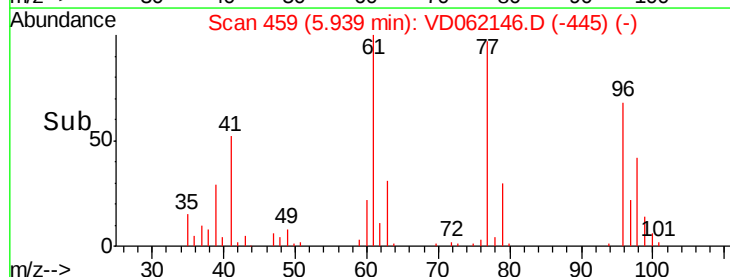
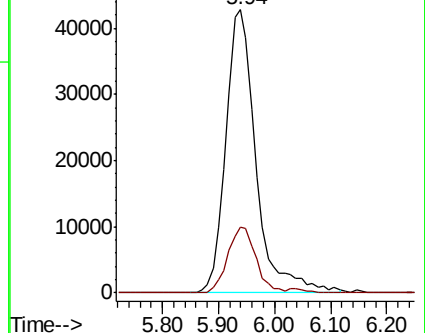
77 100

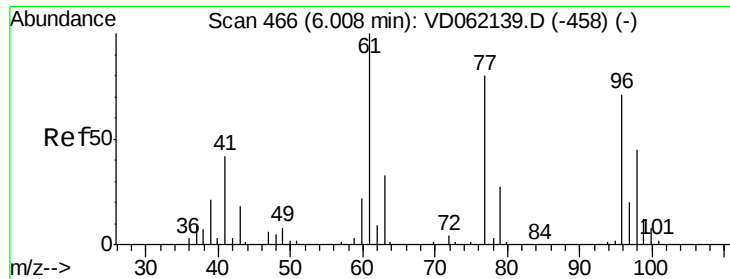
97 23.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



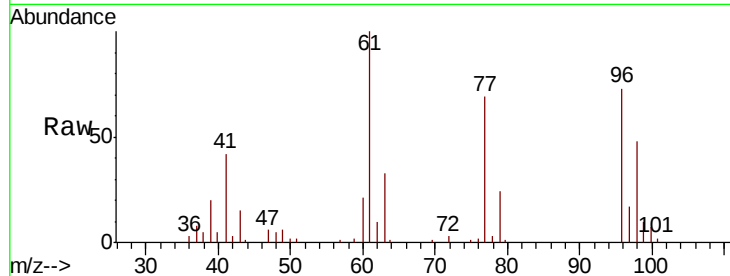


#27

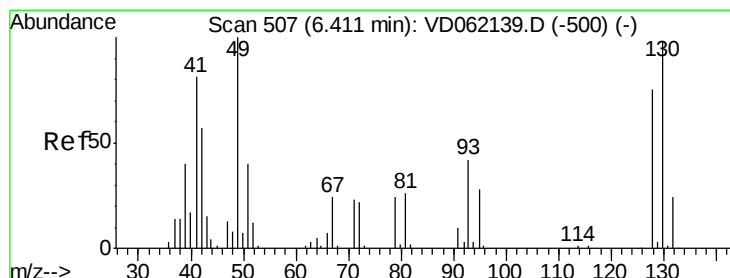
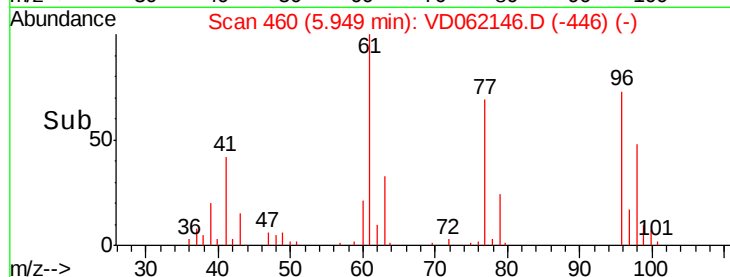
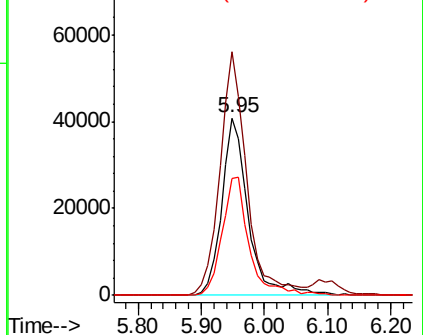
cis-1,2-Dichloroethene
 Concen: 20.169 ug/l
 RT: 5.95 min Scan# 460
 Delta R.T. -0.06 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Tot Ion: 96 Resp: 118255
 Ion Ratio Lower Upper
 96 100
 61 137.3 0.0 279.8
 98 66.1 0.0 136.0



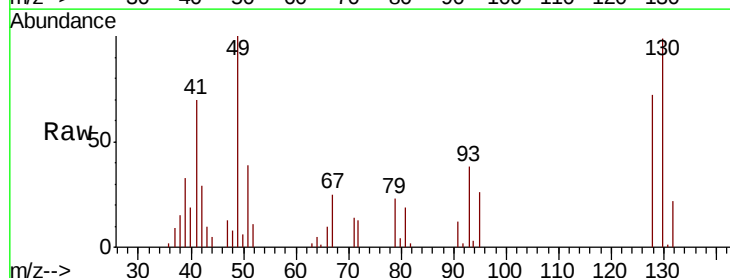
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



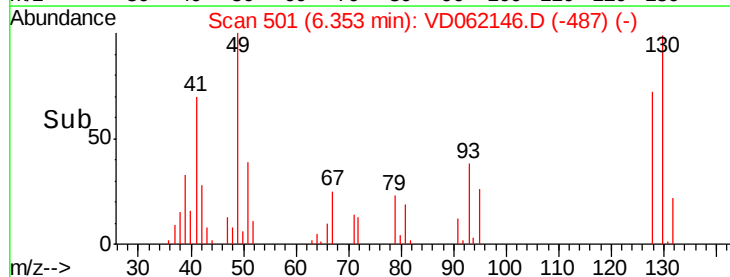
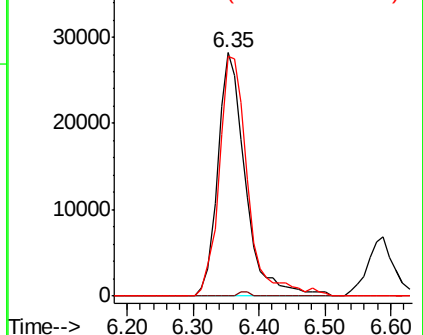
#28

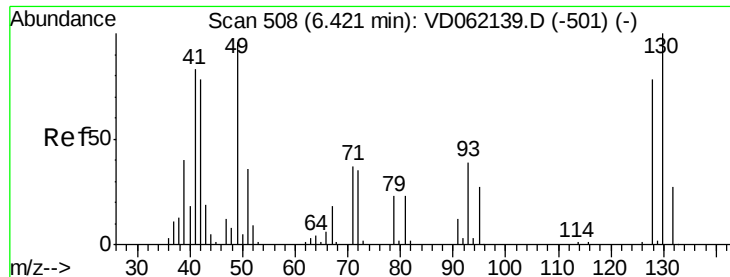
Bromochloromethane
 Concen: 23.798 ug/l
 RT: 6.35 min Scan# 501
 Delta R.T. -0.06 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion: 49 Resp: 82265
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 98.5 86.7 130.1



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

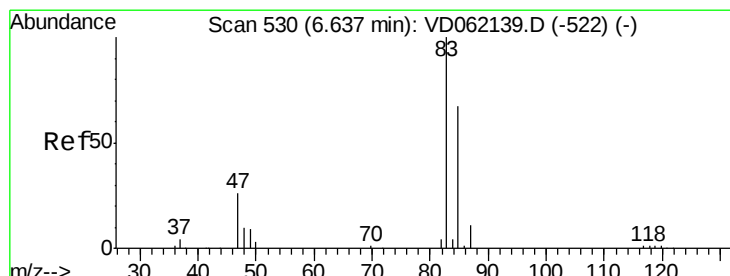
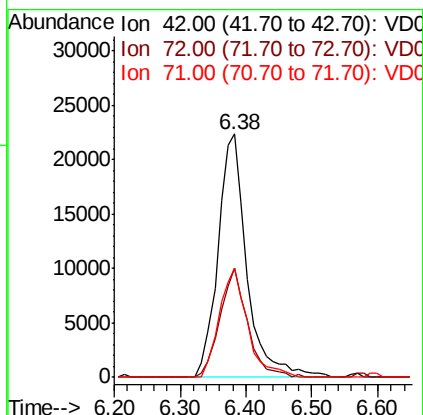
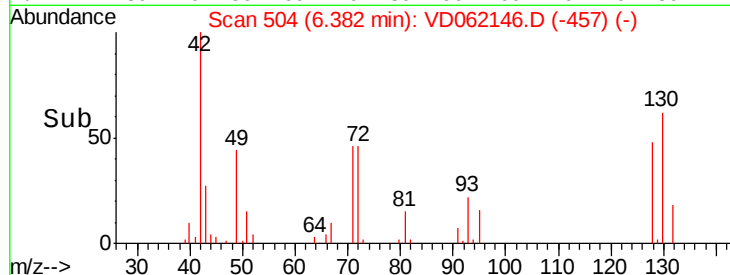
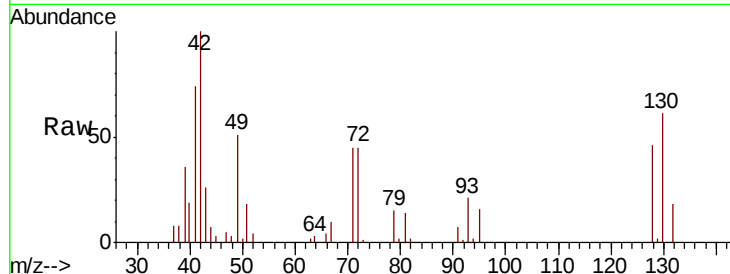




#29
Tetrahydrofuran
Concen: 112.424 ug/l
RT: 6.38 min Scan# 504
Delta R.T. -0.04 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

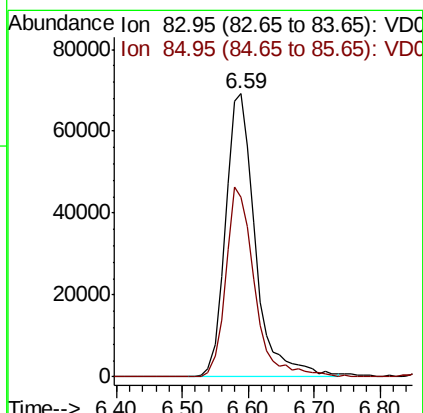
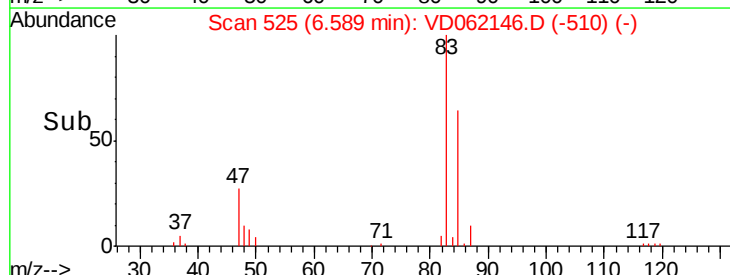
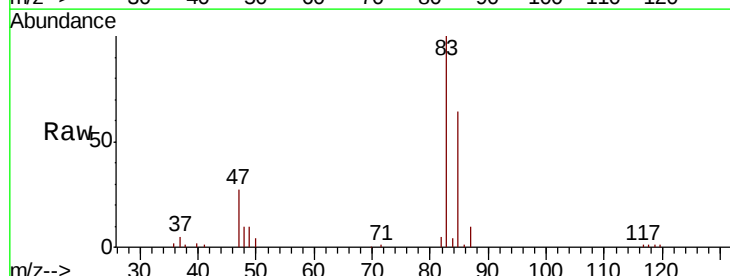
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

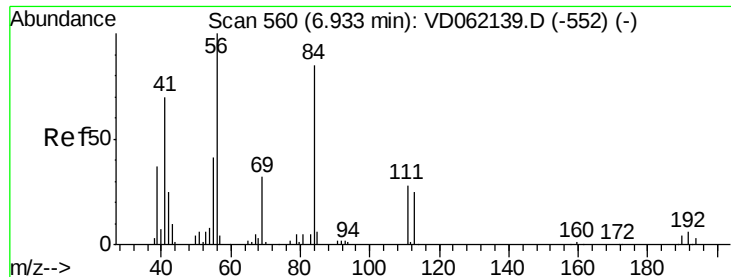
Tot Ion: 42 Resp: 67980
Ion Ratio Lower Upper
42 100
72 42.9 37.8 56.6
71 44.1 36.7 55.1



#30
Chloroform
Concen: 20.676 ug/l
RT: 6.59 min Scan# 525
Delta R.T. -0.05 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 83 Resp: 218940
Ion Ratio Lower Upper
83 100
85 63.6 51.7 77.5

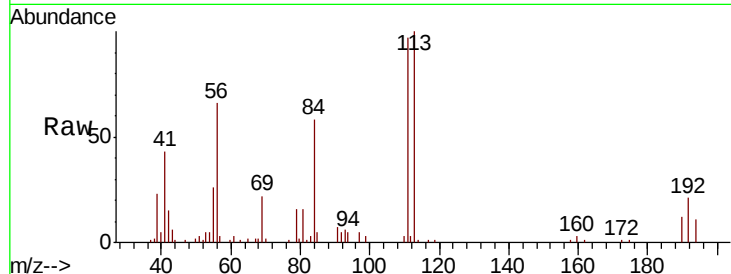




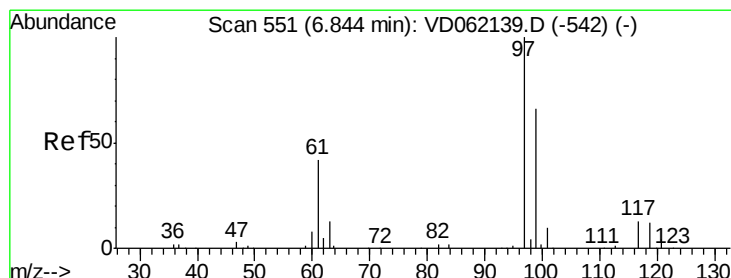
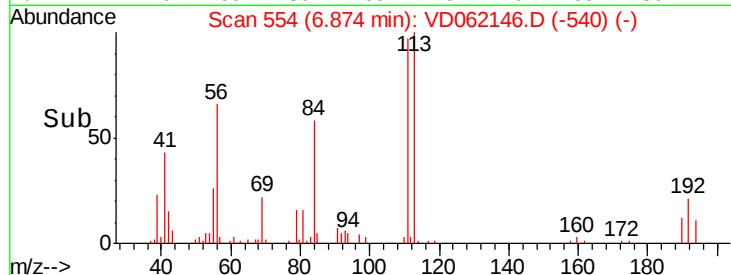
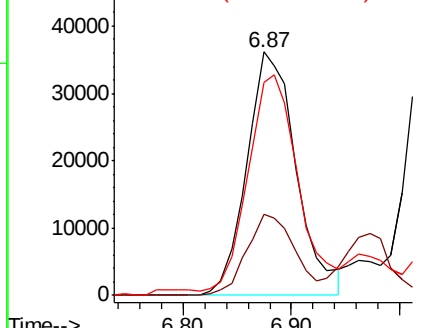
#31
Cvclohexane
Concen: 19.028 ug/l
RT: 6.87 min Scan# 554
Delta R.T. -0.06 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 56 Resp: 114541
Ion Ratio Lower Upper
56 100
69 33.1 25.8 38.6
84 87.3 72.2 108.4

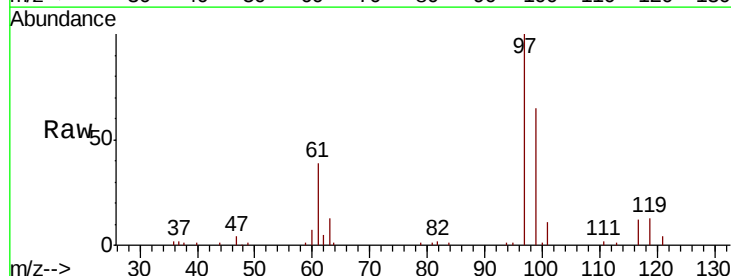


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

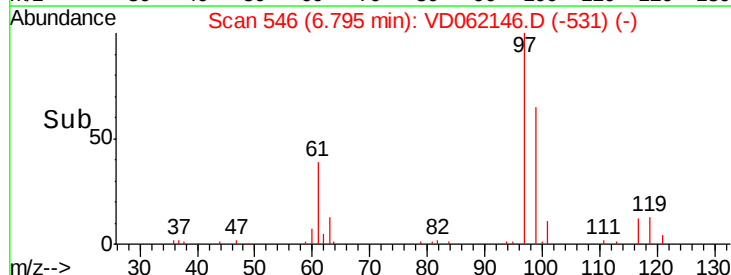
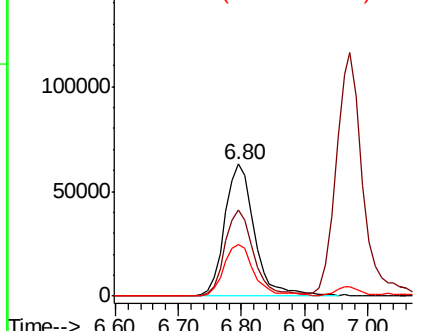


#32
1,1,1-Trichloroethane
Concen: 20.559 ug/l
RT: 6.80 min Scan# 546
Delta R.T. -0.05 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 97 Resp: 205768
Ion Ratio Lower Upper
97 100
99 65.4 52.2 78.2
61 38.6 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: 55.389 ug/l

RT: 7.39 min Scan# 606

Delta R.T. -0.04 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

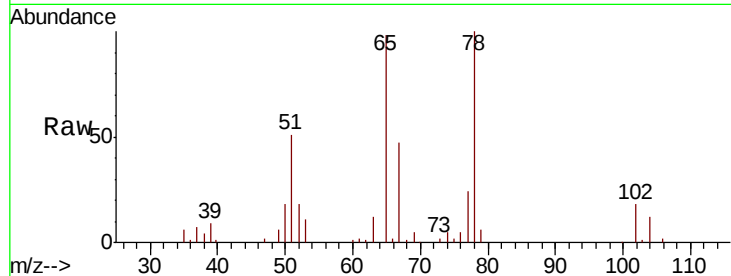
VD0507SBS01

Tot Ion: 65 Resp: 317777

Ion Ratio Lower Upper

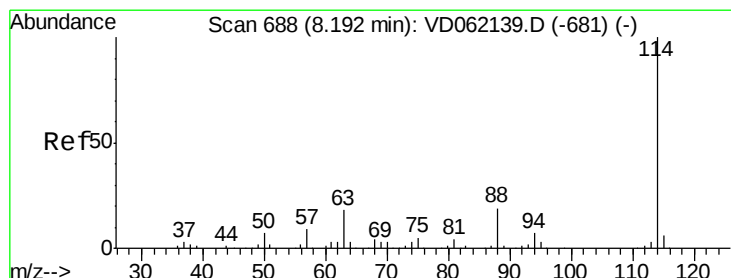
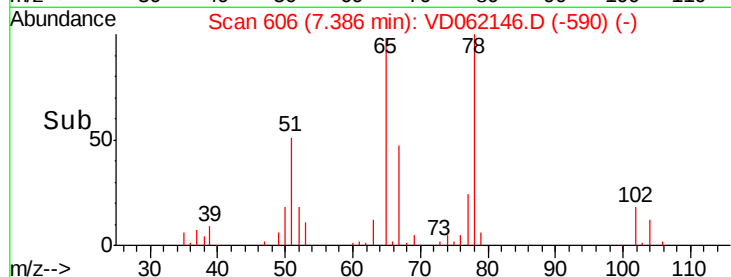
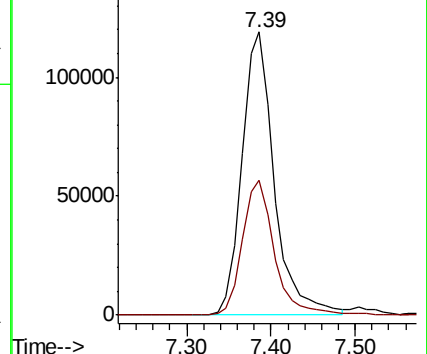
65 100

67 47.9 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: 8.16 min Scan# 685

Delta R.T. -0.03 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

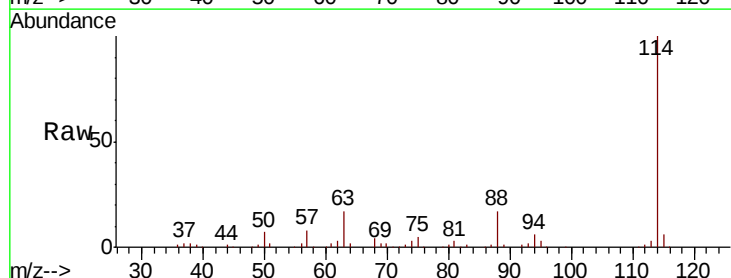
Tgt Ion: 114 Resp: 919310

Ion Ratio Lower Upper

114 100

63 16.7 0.0 32.4

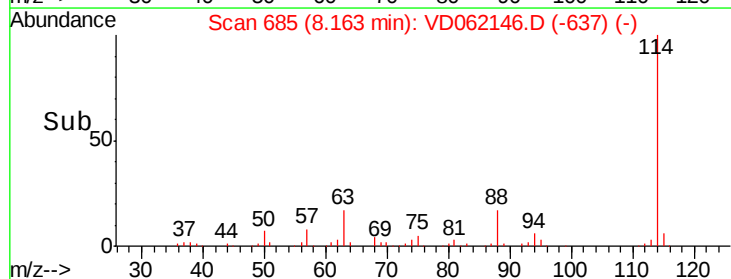
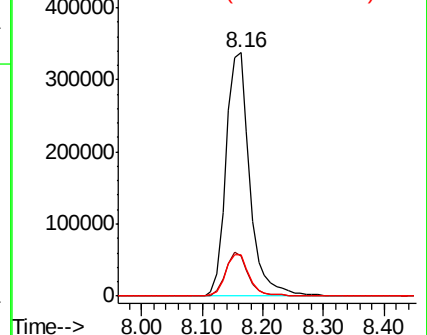
88 17.3 0.0 33.6

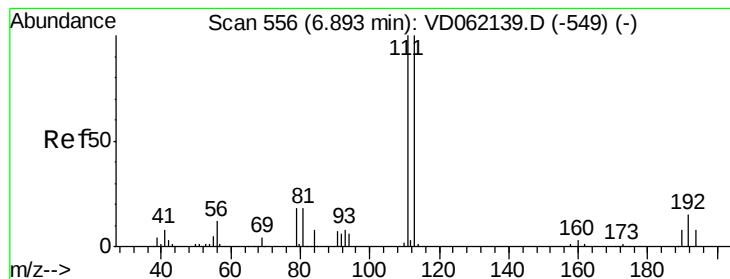


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.671 ug/l

RT: 6.85 min Scan# 552

Delta R.T. -0.04 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

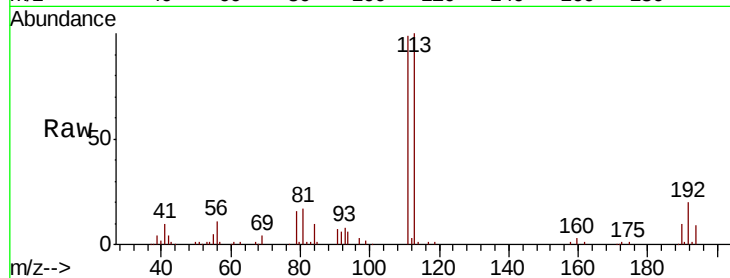
Tot Ion:113 Resp: 386496

Ion Ratio Lower Upper

113 100

111 98.6 78.5 117.7

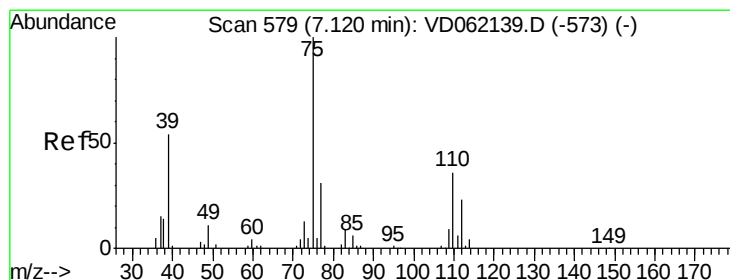
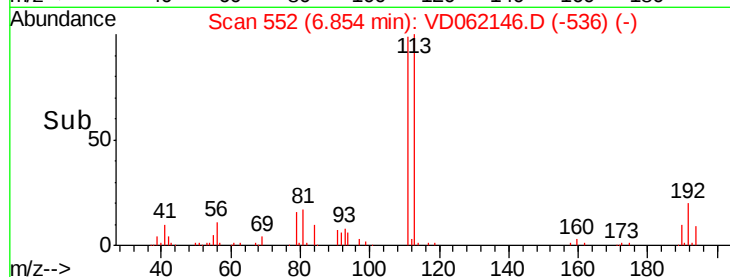
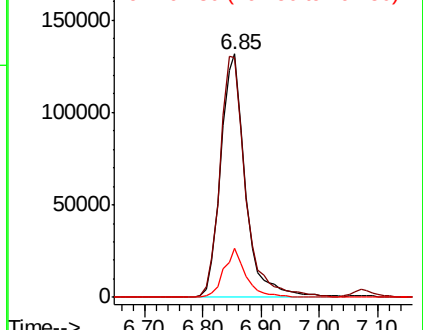
192 20.0 13.0 19.4#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.212 ug/l

RT: 7.08 min Scan# 575

Delta R.T. -0.04 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

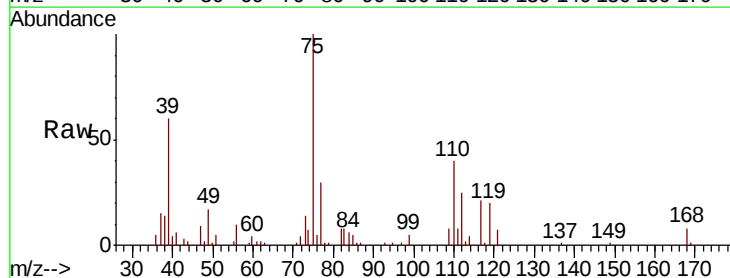
Tgt Ion: 75 Resp: 144814

Ion Ratio Lower Upper

75 100

110 40.2 19.1 57.1

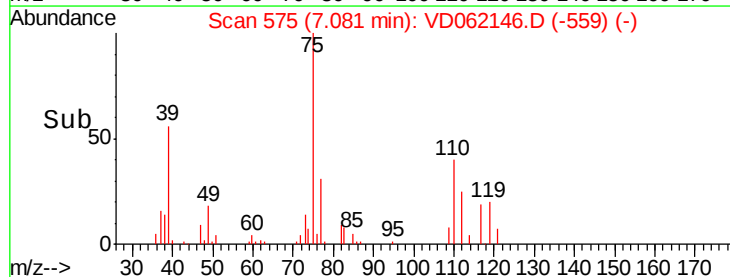
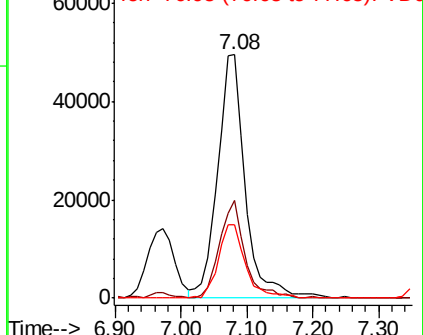
77 30.4 25.6 38.4

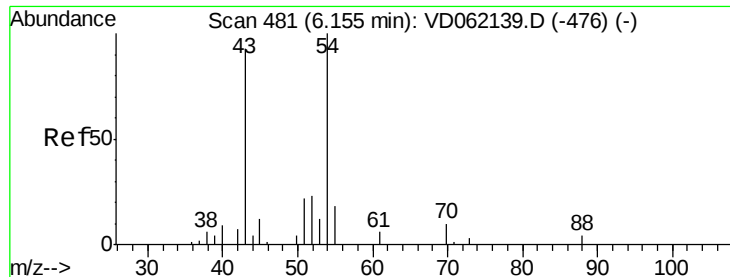


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

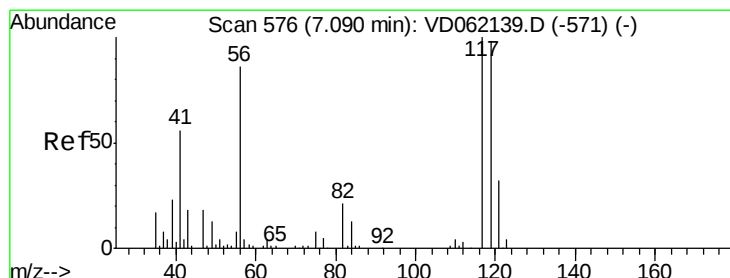
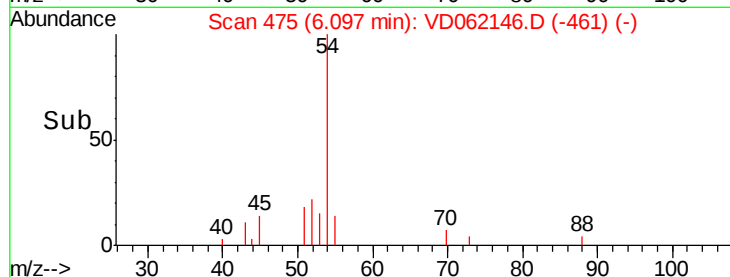
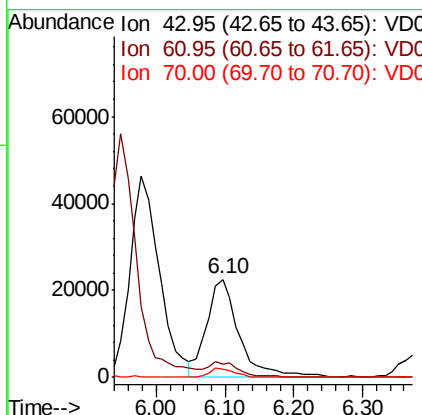
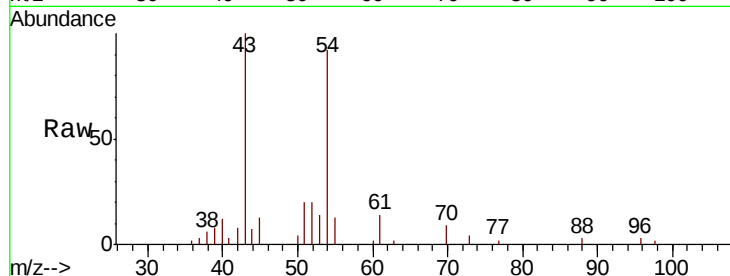




#37
Ethyl Acetate
Concen: 23.140 ug/l
RT: 6.10 min Scan# 475
Delta R.T. -0.06 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

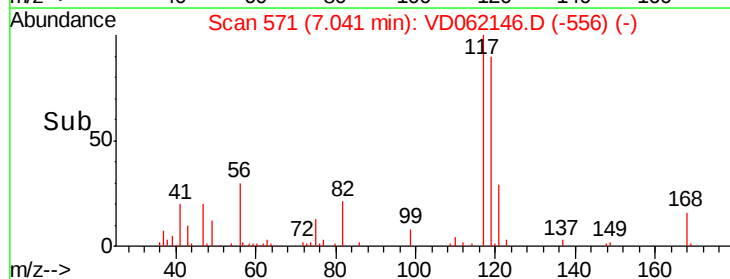
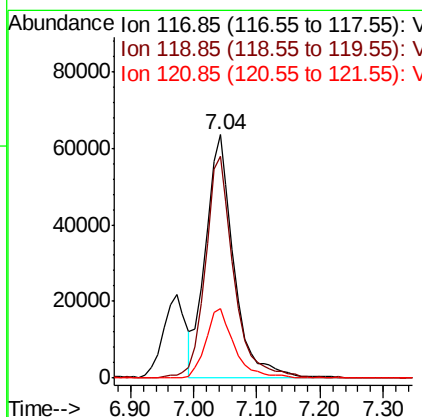
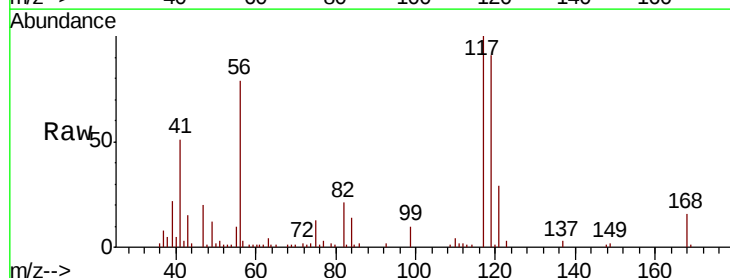
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

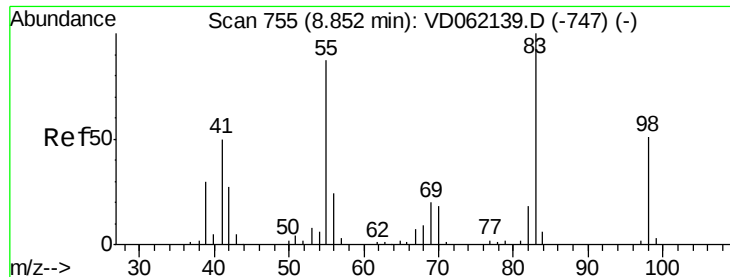
Tot Ion: 43 Resp: 73967
Ion Ratio Lower Upper
43 100
61 13.7 14.7 22.1#
70 8.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 19.001 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 117 Resp: 198225
Ion Ratio Lower Upper
117 100
119 90.9 75.8 113.8
121 28.6 25.9 38.9

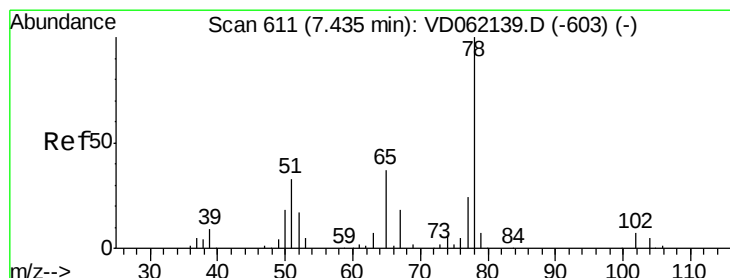
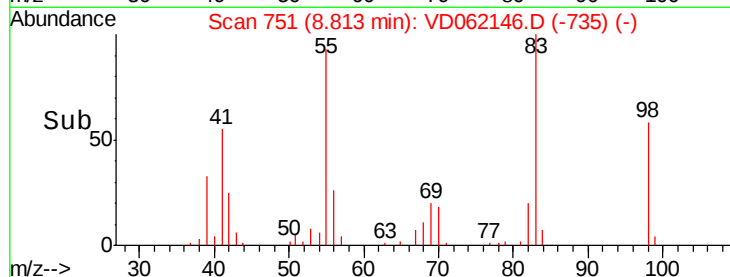
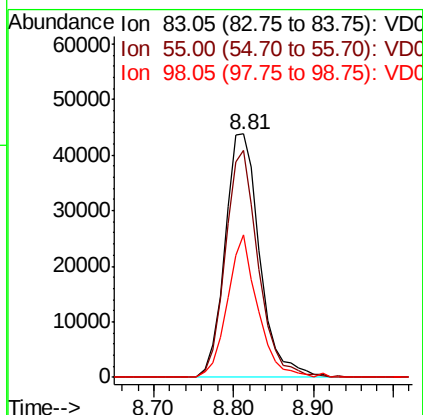
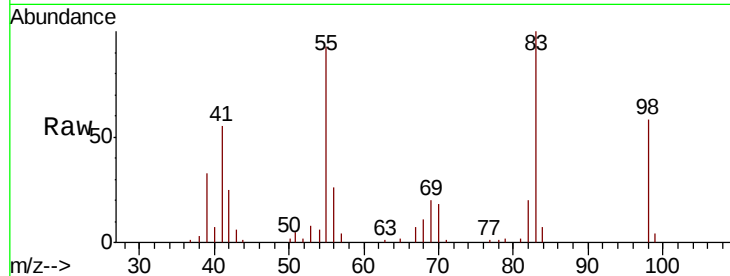




#39
Methvlcvclohexane
Concen: 18.467 ug/l
RT: 8.81 min Scan# 751
Delta R.T. -0.04 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

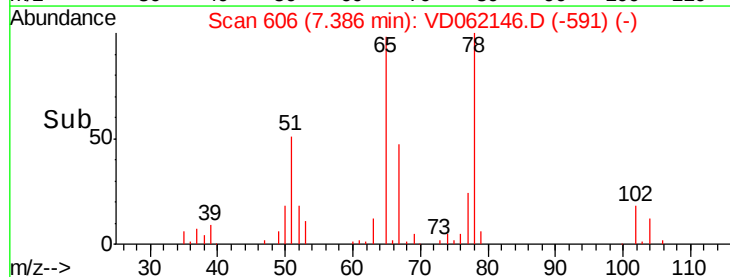
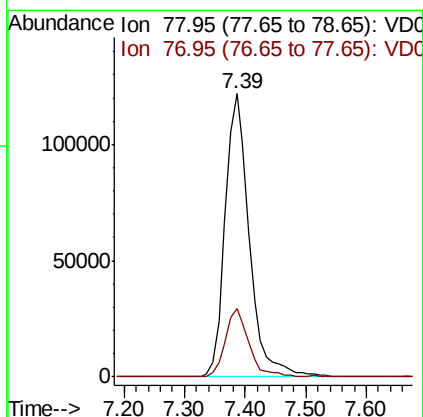
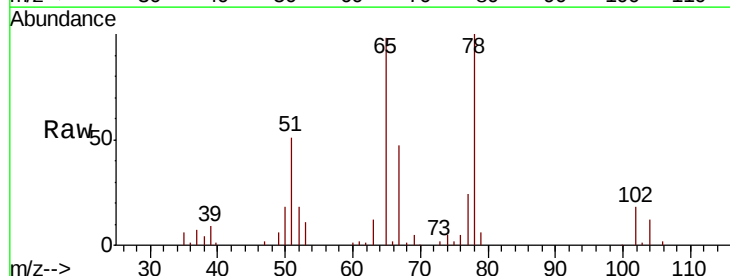
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 83 Resp: 133367
Ion Ratio Lower Upper
83 100
55 93.4 68.2 102.4
98 58.3 38.2 57.4#



#40
Benzene
Concen: 19.906 ug/l
RT: 7.39 min Scan# 606
Delta R.T. -0.05 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 78 Resp: 338813
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5

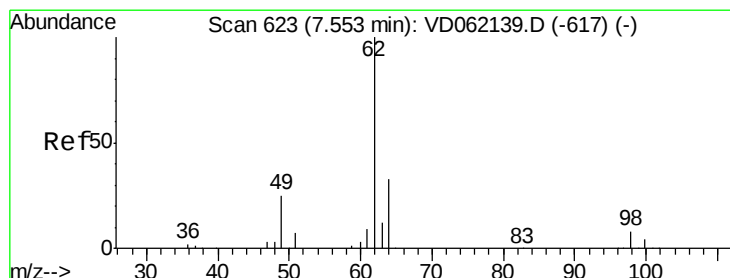
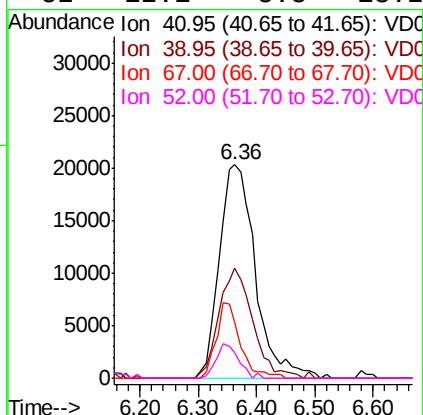
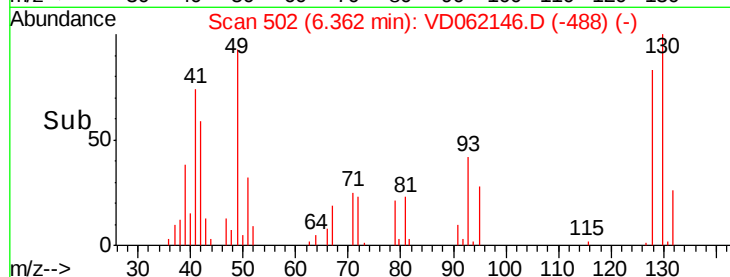
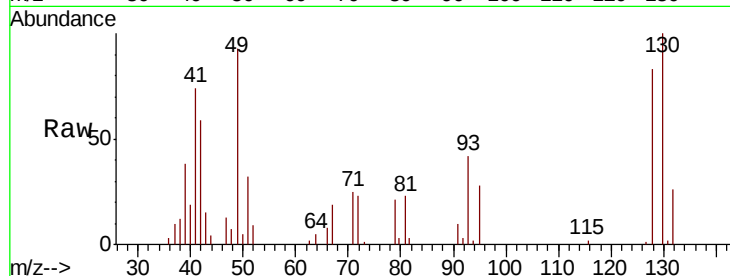




#41
Methacrylonitrile
Concen: 22.281 ug/l
RT: 6.36 min Scan# 502
Delta R.T. -0.06 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

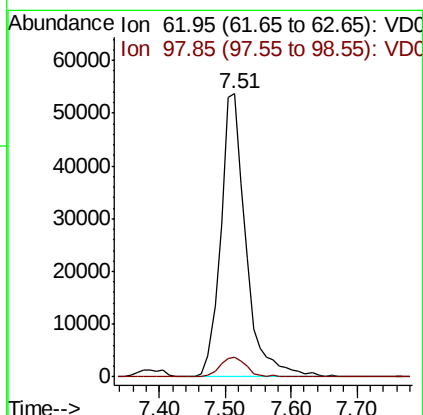
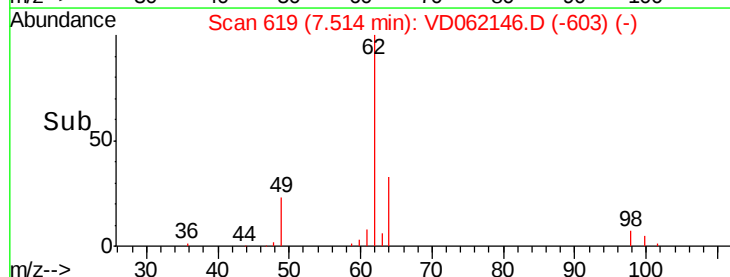
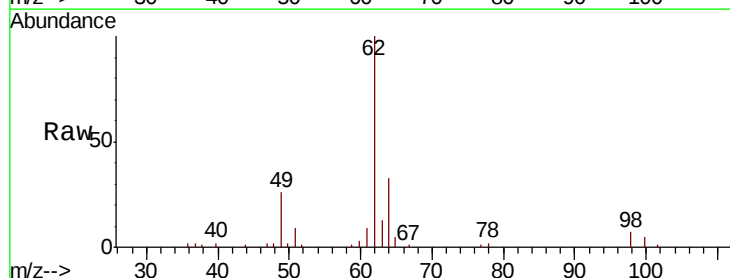
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 41 Resp: 87037
Ion Ratio Lower Upper
41 100
39 51.4 34.1 51.1#
67 26.3 23.8 35.6
52 12.1 8.8 13.2



#42
1,2-Dichloroethane
Concen: 19.874 ug/l
RT: 7.51 min Scan# 619
Delta R.T. -0.04 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 62 Resp: 143317
Ion Ratio Lower Upper
62 100
98 7.0 0.0 17.8



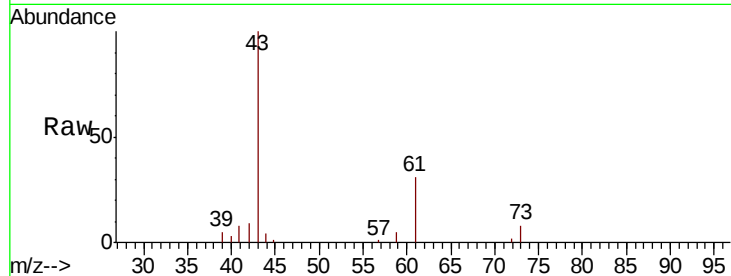


#43

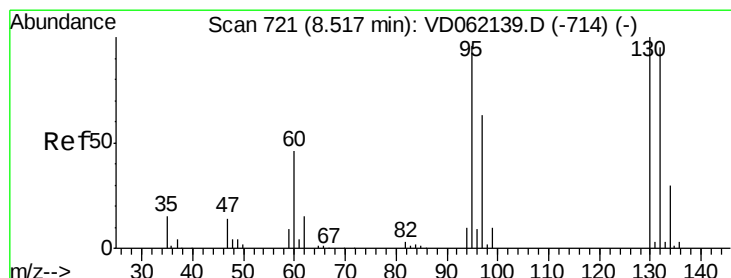
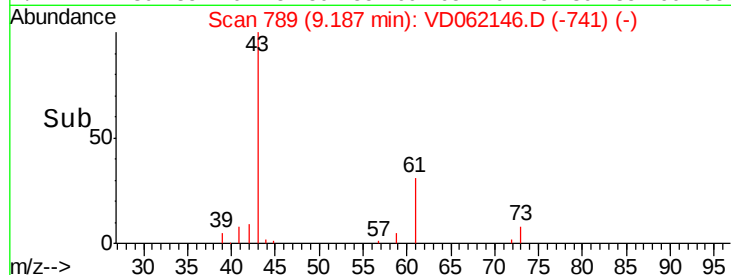
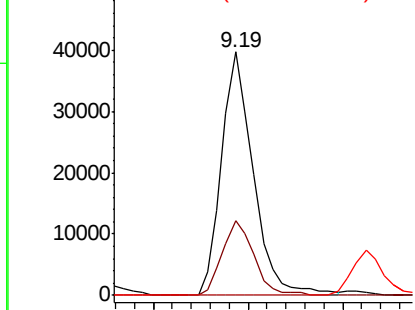
Isopropyl Acetate
 Concen: 20.401 ug/l
 RT: 9.19 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Tot Ion: 43 Resp: 92485
 Ion Ratio Lower Upper
 43 100
 61 30.9 25.1 37.7
 87 0.0 0.0 0.0



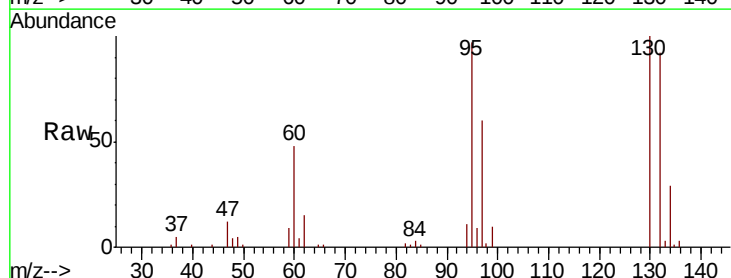
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



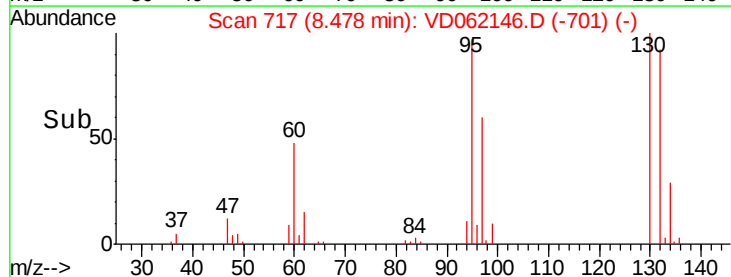
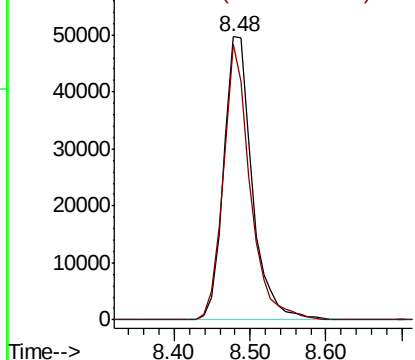
#44

Trichloroethene
 Concen: 19.877 ug/l
 RT: 8.48 min Scan# 717
 Delta R.T. -0.04 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion: 130 Resp: 128919
 Ion Ratio Lower Upper
 130 100
 95 97.3 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 18.545 ug/l

RT: 8.88 min Scan# 758

Delta R.T. -0.04 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

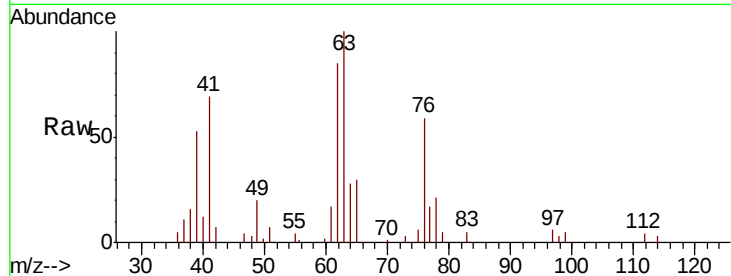
VD0507SBS01

Tot Ion: 63 Resp: 78073

Ion Ratio Lower Upper

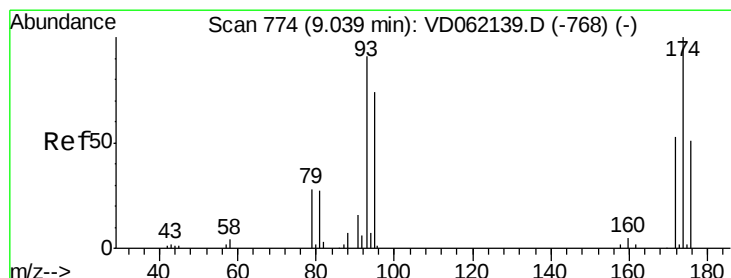
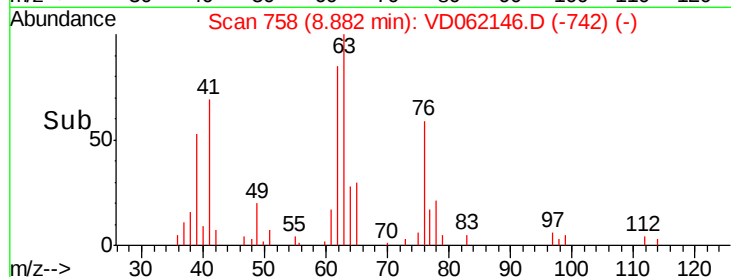
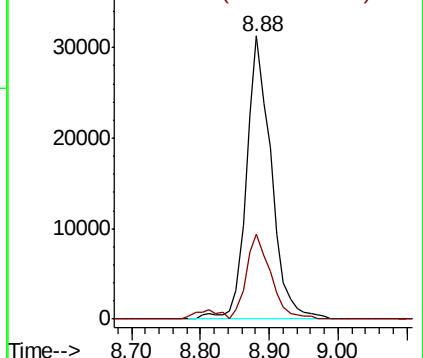
63 100

65 29.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.901 ug/l

RT: 9.01 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

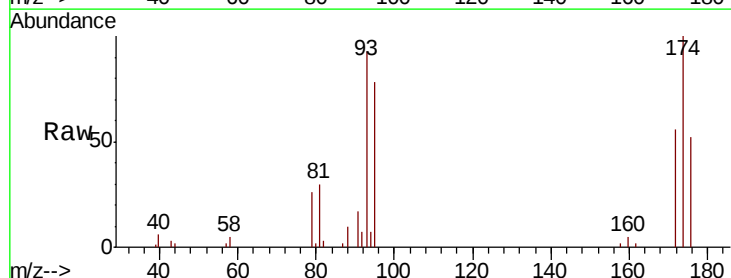
Tgt Ion: 93 Resp: 68133

Ion Ratio Lower Upper

93 100

95 83.9 64.8 97.2

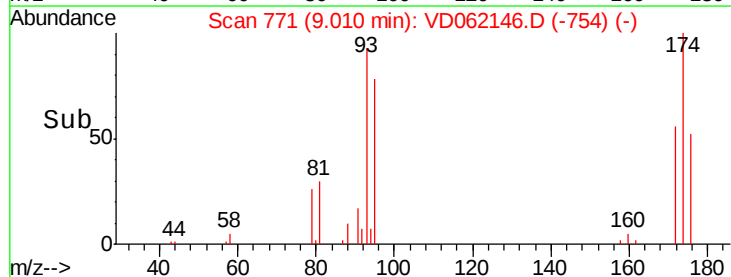
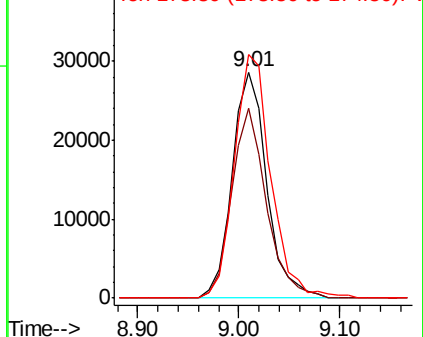
174 107.9 79.3 118.9



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): VDC





#47

Bromodichloromethane

Concen: 18.179 ug/l

RT: 9.32 min Scan# 803

Delta R.T. -0.03 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

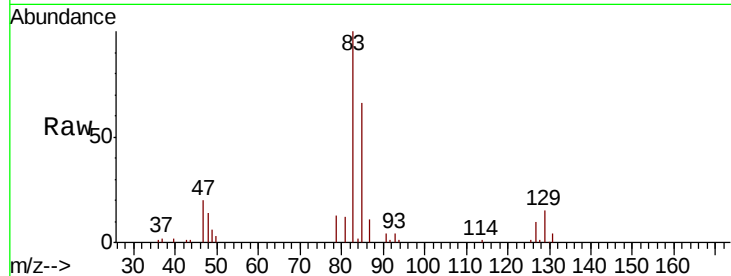
Tot Ion: 83 Resp: 152229

Ion Ratio Lower Upper

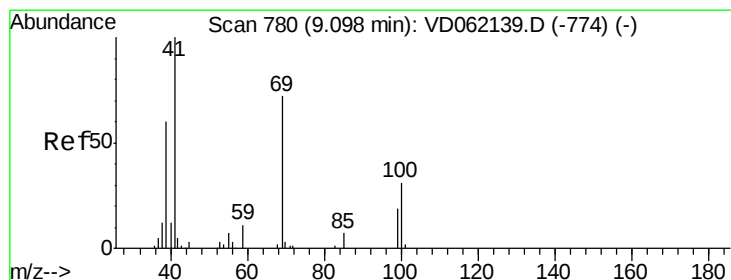
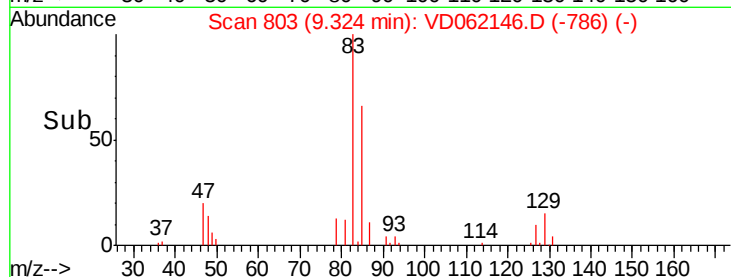
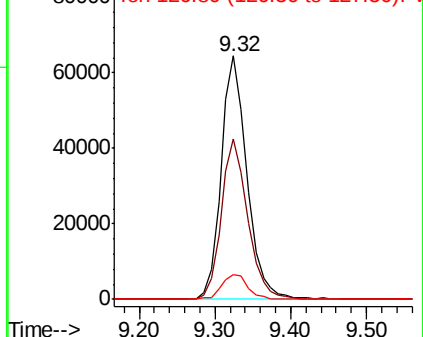
83 100

85 65.8 50.9 76.3

127 10.3 8.1 12.1



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



#48

Methyl methacrylate

Concen: 22.017 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

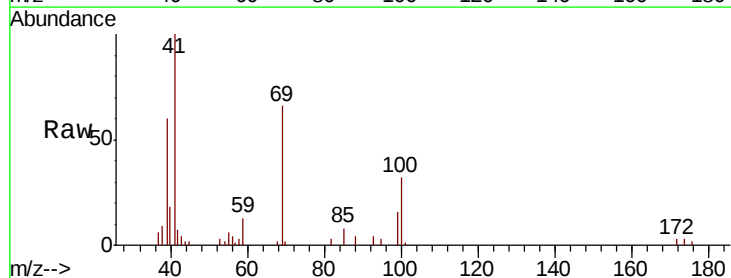
Tgt Ion: 41 Resp: 61480

Ion Ratio Lower Upper

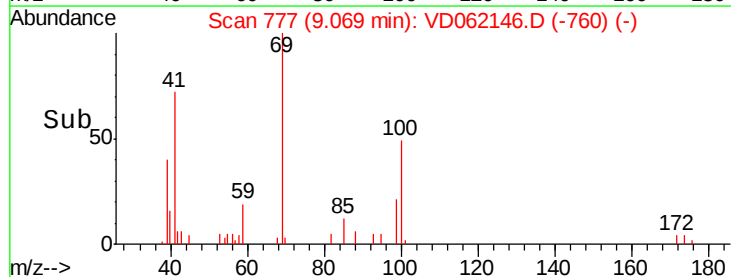
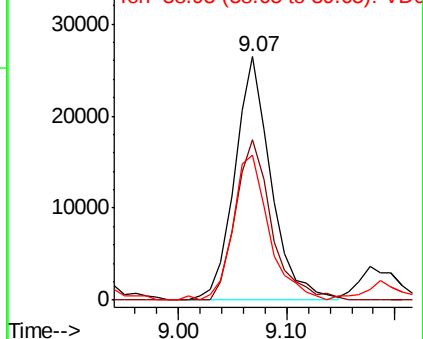
41 100

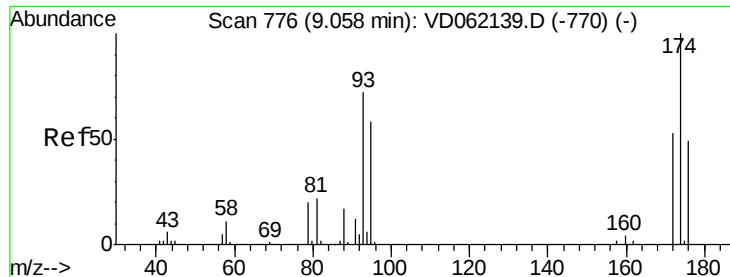
69 65.9 64.2 96.2

39 59.6 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

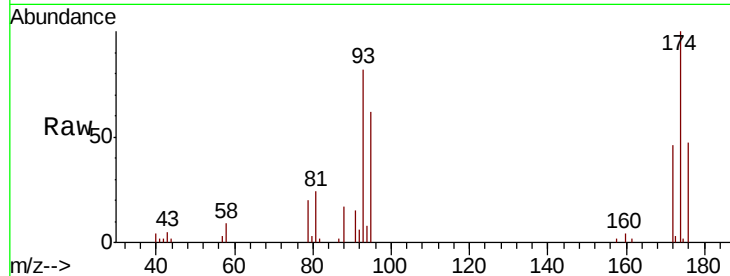




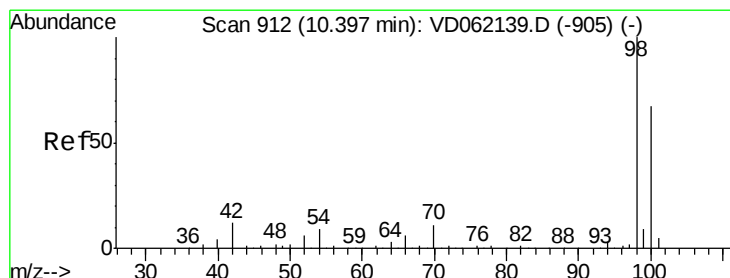
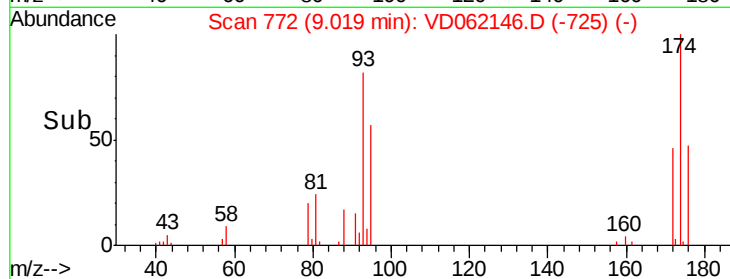
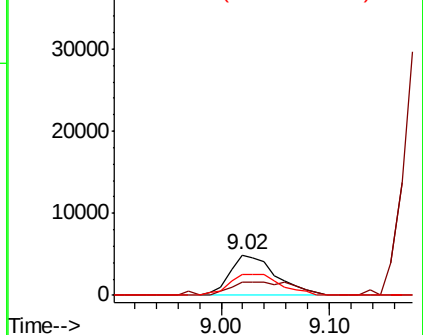
#49
1,4-Dioxane
Concen: 481.072 ug/l
RT: 9.02 min Scan# 772
Delta R.T. -0.04 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 88 Resp: 14494
Ion Ratio Lower Upper
88 100
43 31.6 23.4 35.0
58 52.4 44.0 66.0

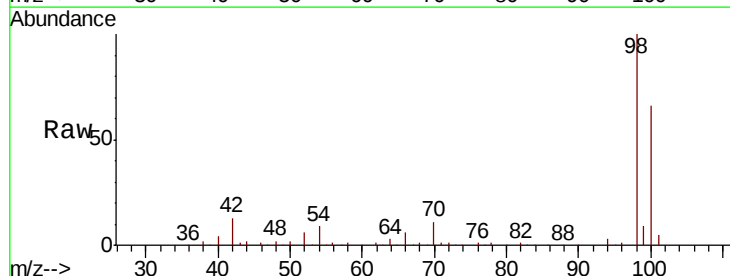


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

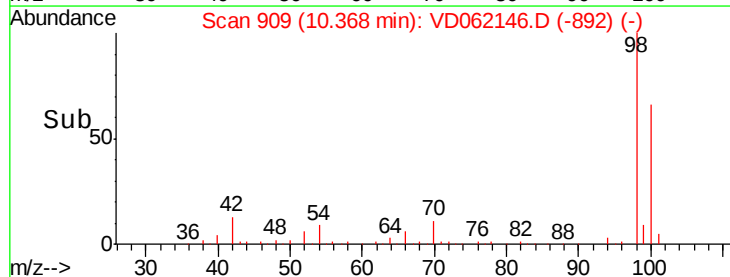
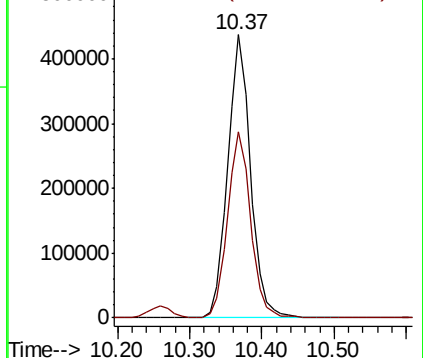


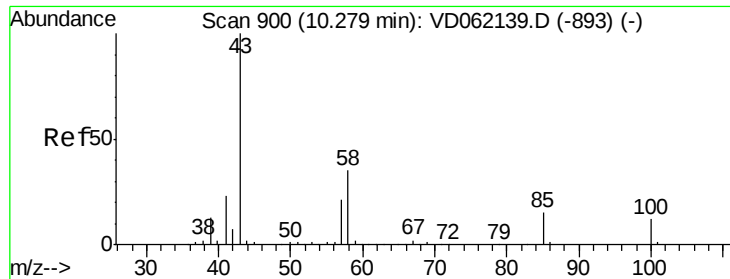
#50
Toluene-d8
Concen: 52.198 ug/l
RT: 10.37 min Scan# 909
Delta R.T. -0.03 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 98 Resp: 959957
Ion Ratio Lower Upper
98 100
100 66.0 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: 108.863 ug/l

RT: 10.26 min Scan# 898

Delta R.T. -0.02 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

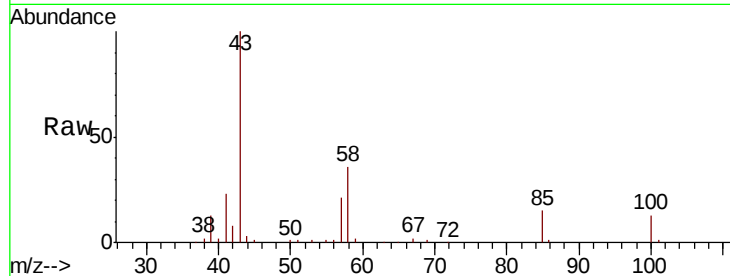
VD0507SBS01

Tot Ion: 43 Resp: 317239

Ion Ratio Lower Upper

43 100

58 35.7 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.26

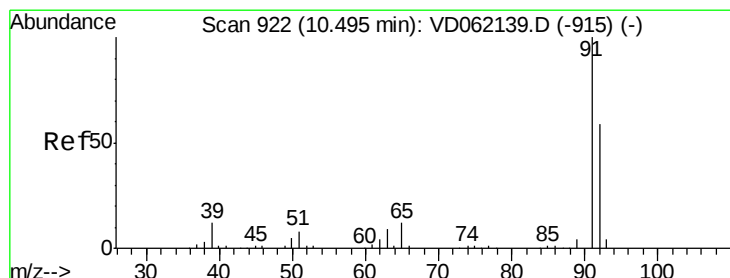
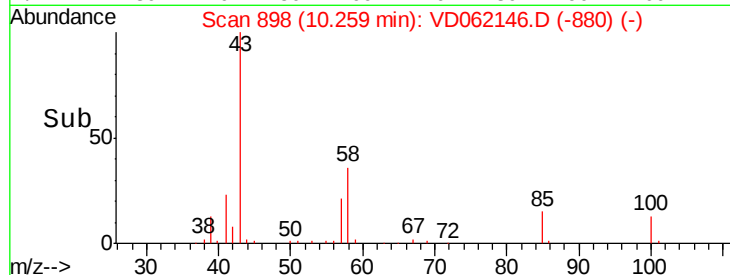
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.022 ug/l

RT: 10.47 min Scan# 919

Delta R.T. -0.03 min

Lab File: VD062146.D

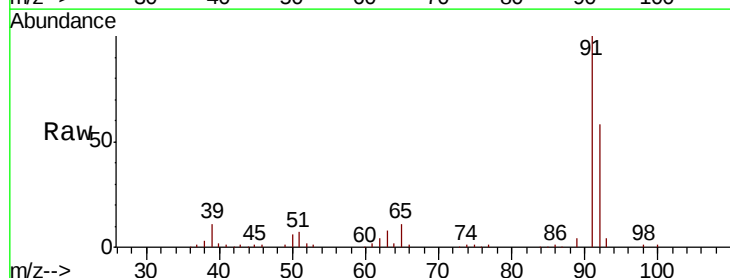
Acq: 7 May 2019 22:29

Tgt Ion: 92 Resp: 221727

Ion Ratio Lower Upper

92 100

91 173.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

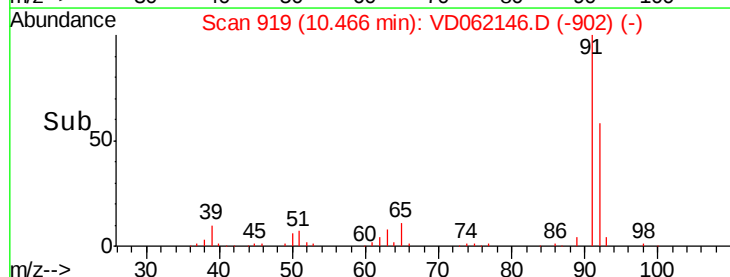
150000

100000

50000

0

Time-->

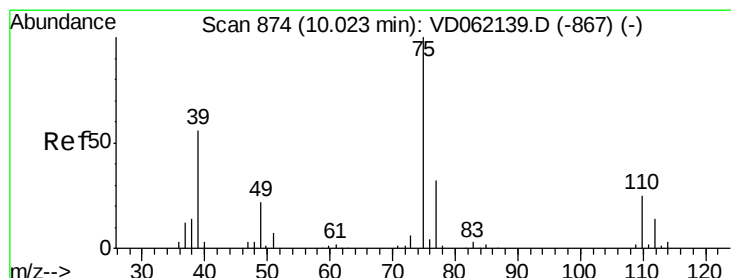
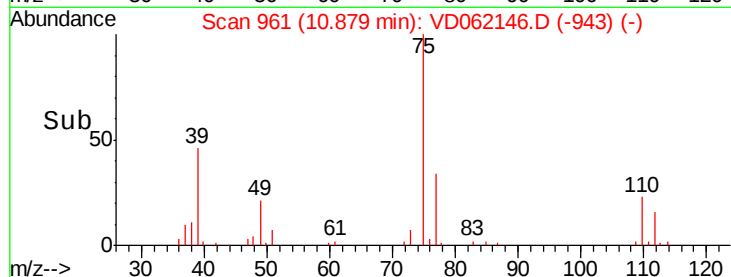
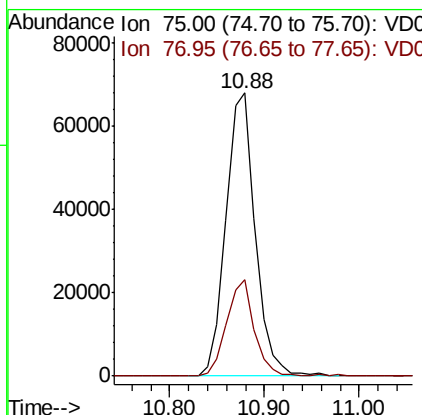
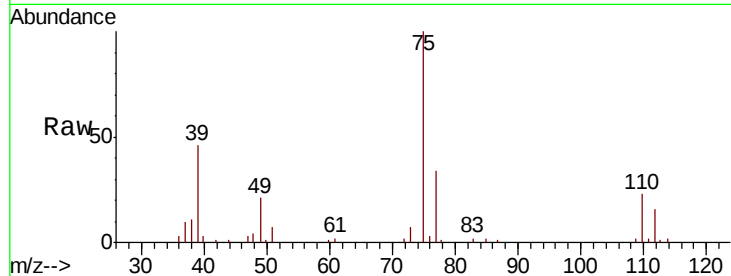




#53
 t-1,3-Dichloropropene
 Concen: 20.143 ug/l
 RT: 10.88 min Scan# 961
 Delta R.T. -0.02 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

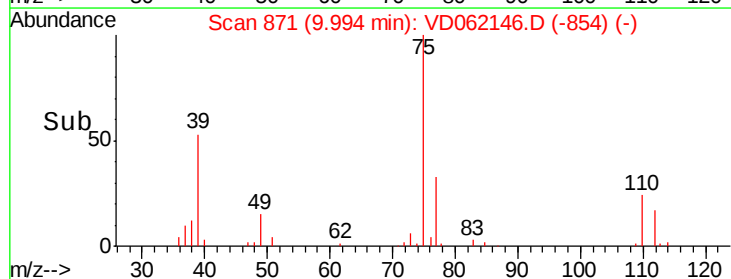
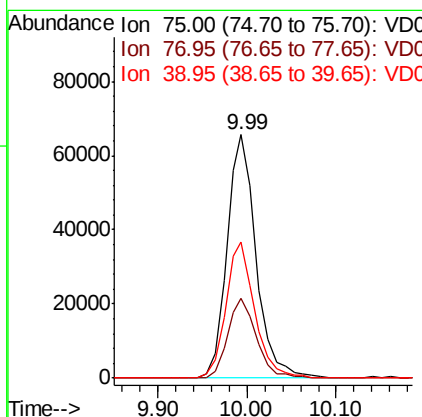
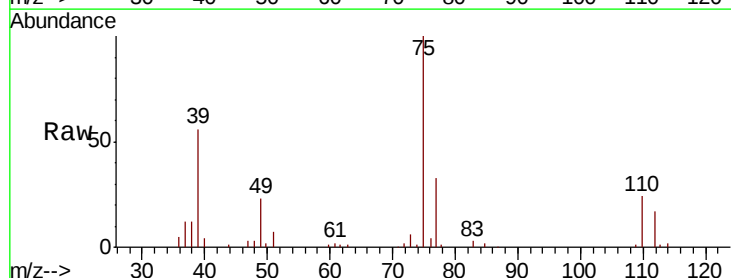
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

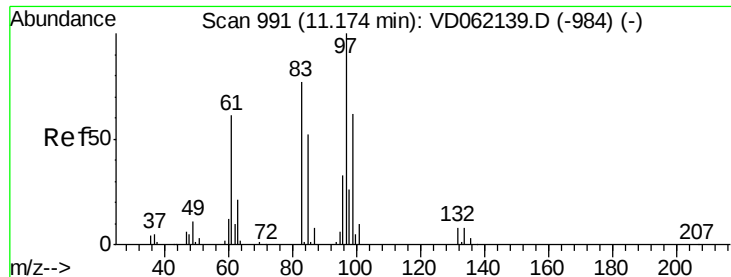
Tot Ion: 75 Resp: 145783
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.888 ug/l
 RT: 9.99 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion: 75 Resp: 149134
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.5 38.3
 39 55.8 39.4 59.2

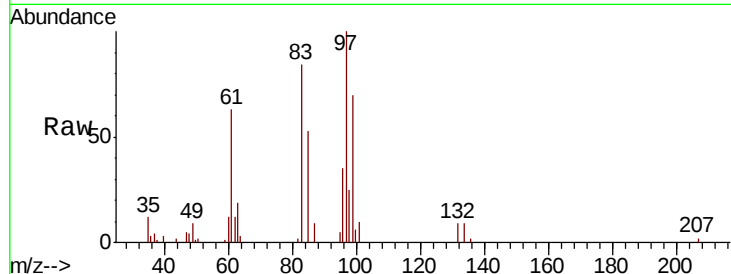




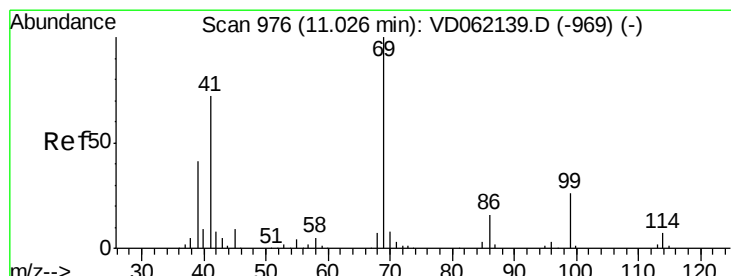
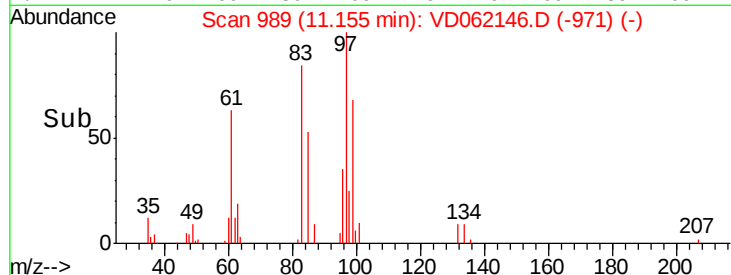
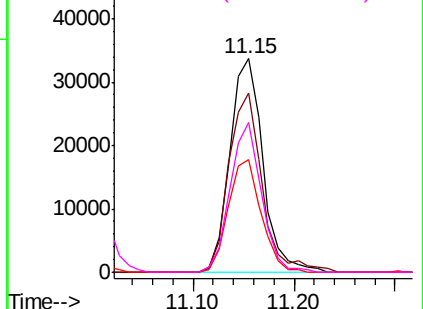
#55
1,1,2-Trichloroethane
Concen: 19.489 ug/l
RT: 11.15 min Scan# 989
Delta R.T. -0.02 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion:	97	Resp:	76364
Ion	Ratio	Lower	Upper
97	100		
83	83.6	65.7	98.5
85	52.9	45.6	68.4
99	70.1	48.4	72.6

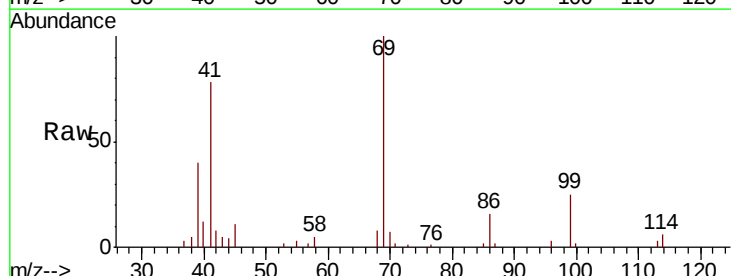


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

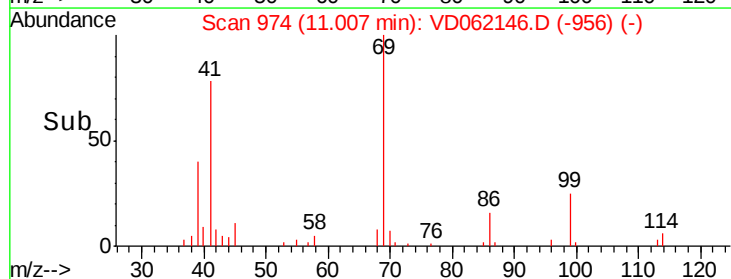
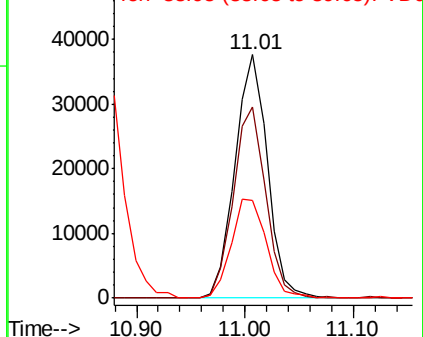


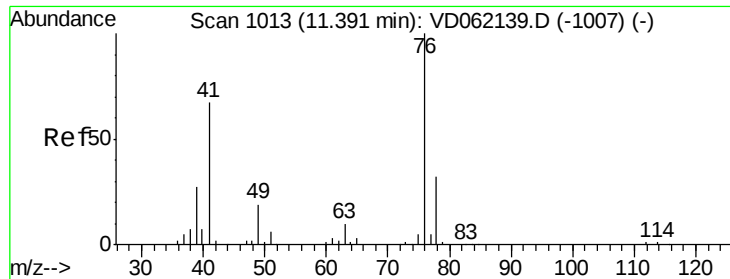
#56
Ethyl methacrylate
Concen: 19.249 ug/l
RT: 11.01 min Scan# 974
Delta R.T. -0.02 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion:	69	Resp:	78376
Ion	Ratio	Lower	Upper
69	100		
41	78.3	56.3	84.5
39	40.0	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

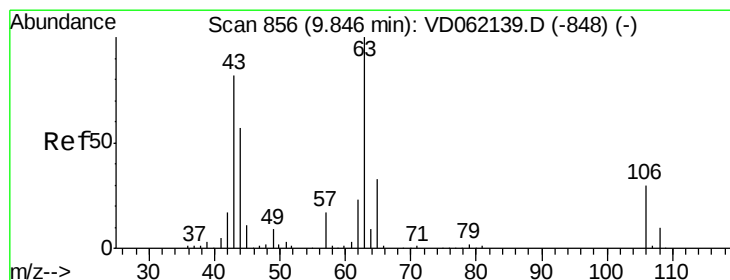
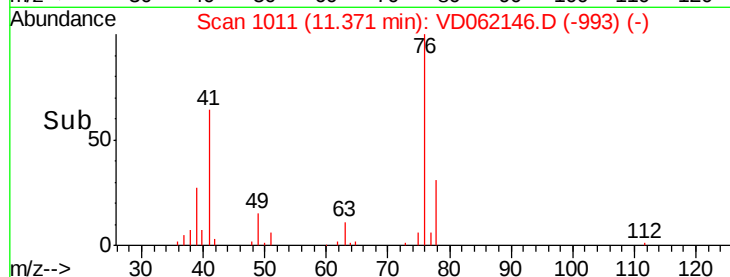
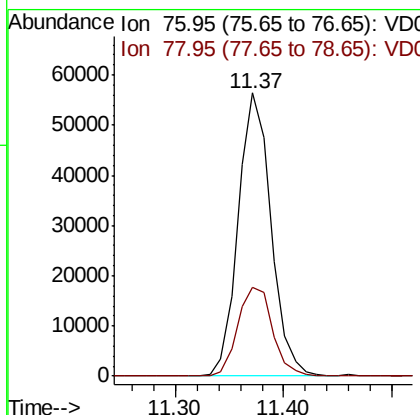
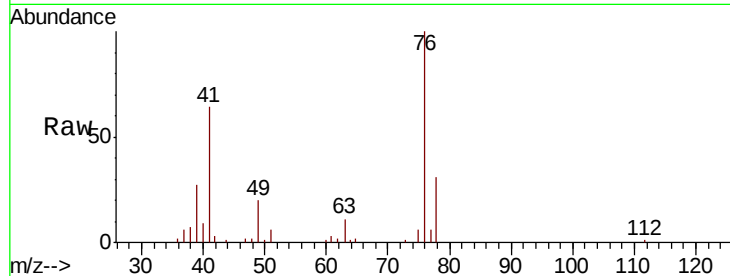




#57
 1,3-Dichloropropane
 Concen: 20.032 ug/l
 RT: 11.37 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

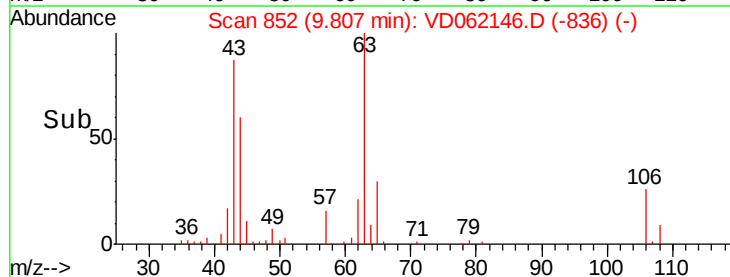
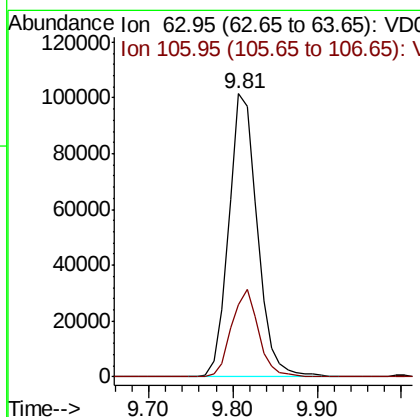
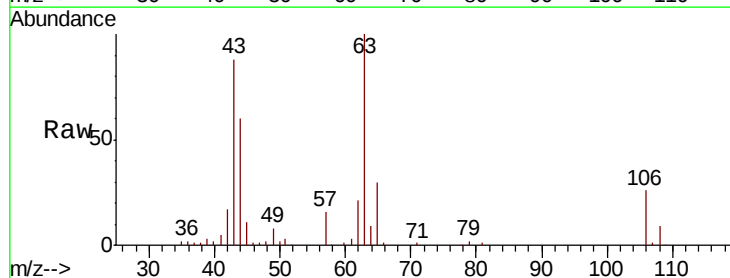
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

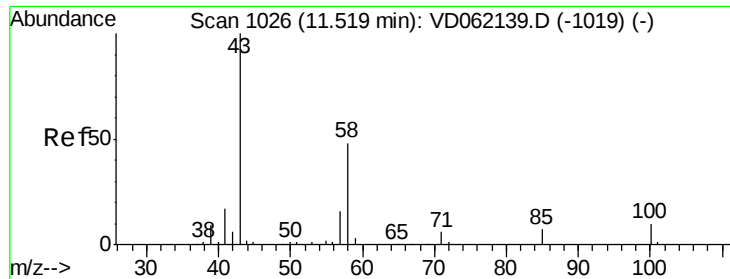
Tot Ion: 76 Resp: 118580
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.249 ug/l
 RT: 9.81 min Scan# 852
 Delta R.T. -0.04 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion: 63 Resp: 238535
 Ion Ratio Lower Upper
 63 100
 106 25.5 22.6 34.0

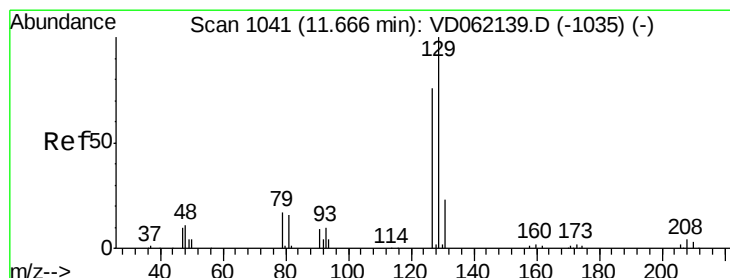
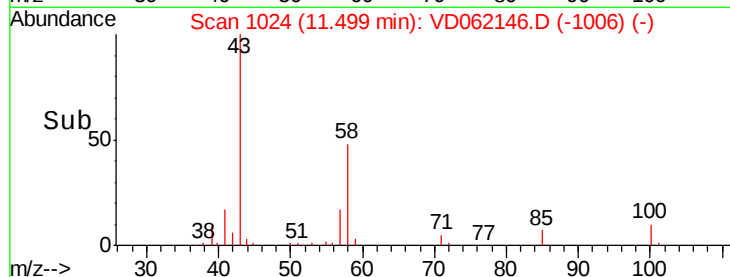
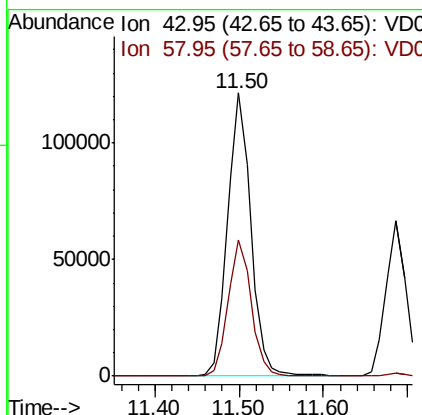
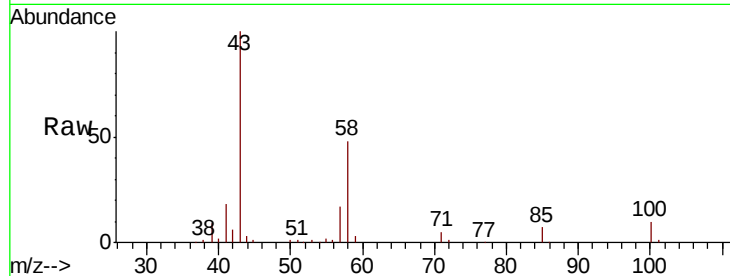




#59
2-Hexanone
Concen: 108.863 ug/l
RT: 11.50 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

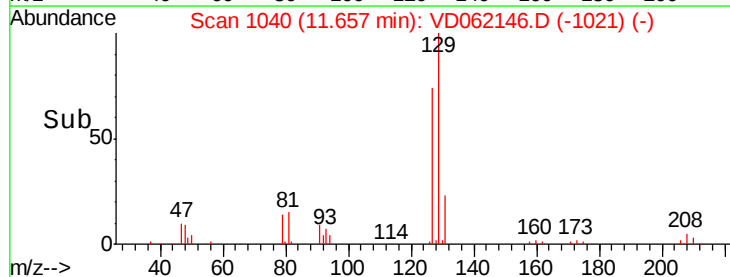
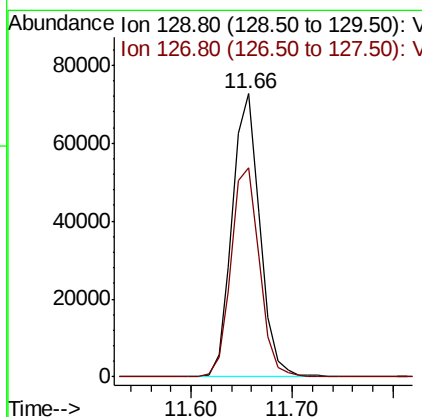
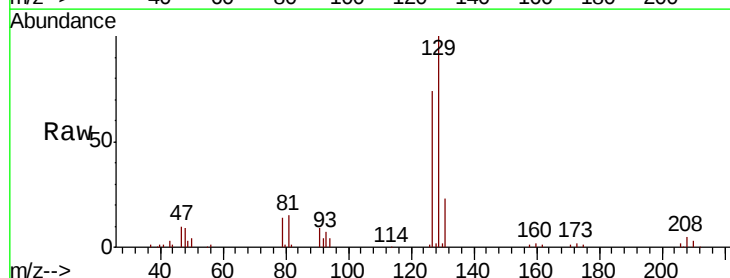
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 43 Resp: 233818
Ion Ratio Lower Upper
43 100
58 48.0 25.4 76.4



#60
Dibromochloromethane
Concen: 20.441 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 129 Resp: 138419
Ion Ratio Lower Upper
129 100
127 73.8 38.0 113.9

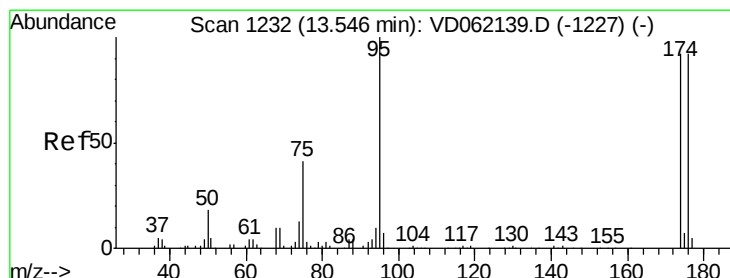
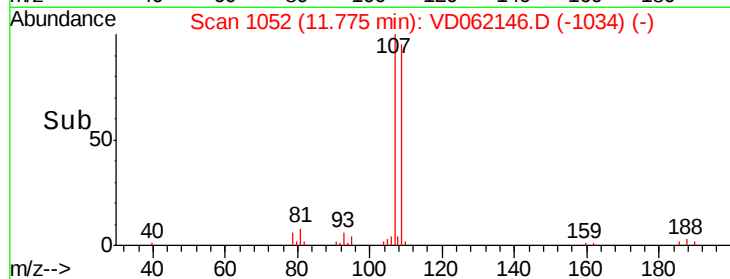
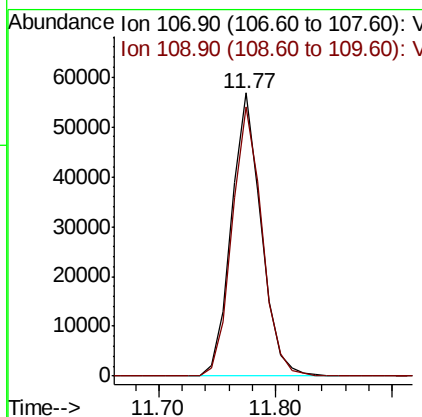
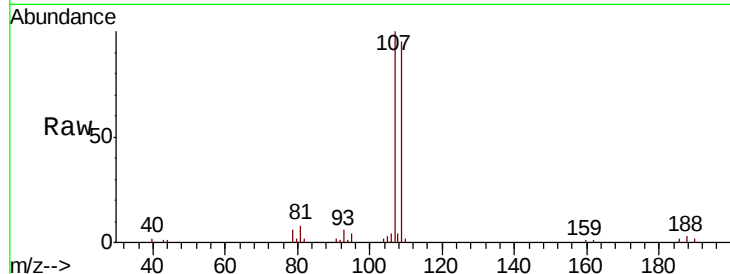




#61
 1,2-Dibromoethane
 Concen: 20.996 ug/l
 RT: 11.77 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

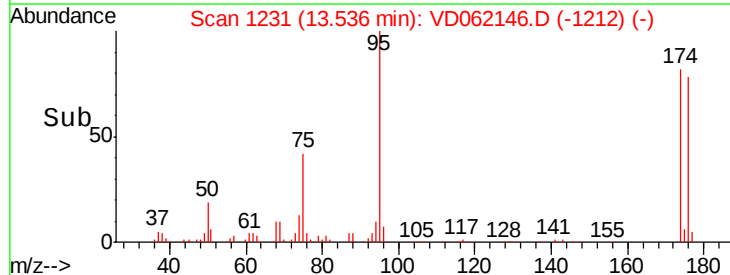
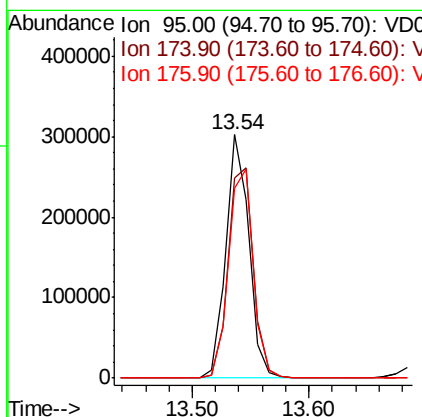
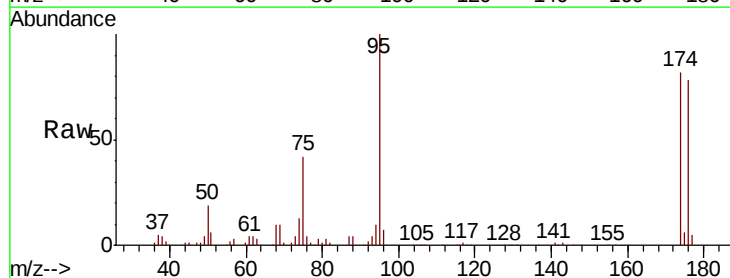
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Tot Ion:107 Resp: 100019
 Ion Ratio Lower Upper
 107 100
 109 94.9 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 56.048 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion: 95 Resp: 413916
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 181.8
 176 77.9 0.0 174.4

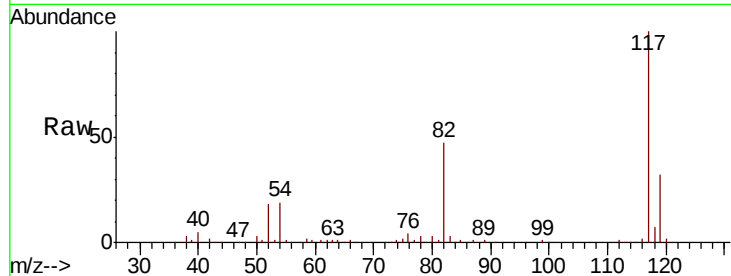




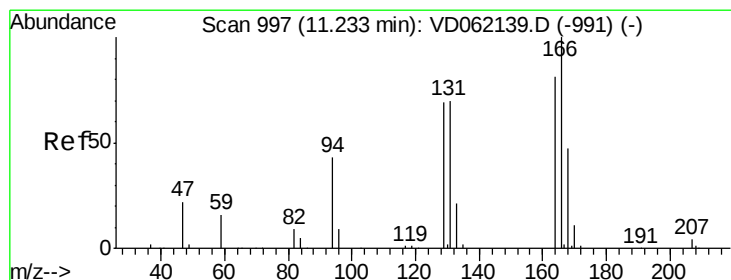
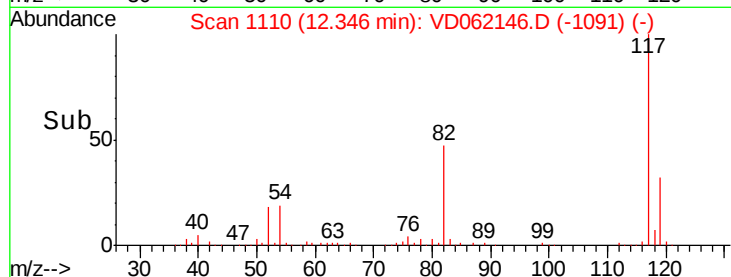
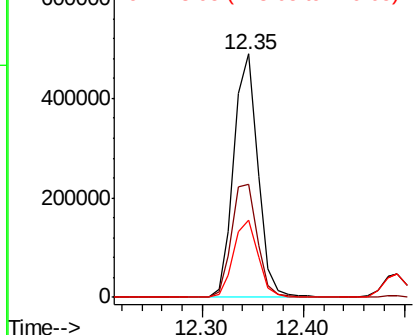
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion:117 Resp: 812026
Ion Ratio Lower Upper
117 100
82 46.6 36.2 54.2
119 31.7 26.2 39.4

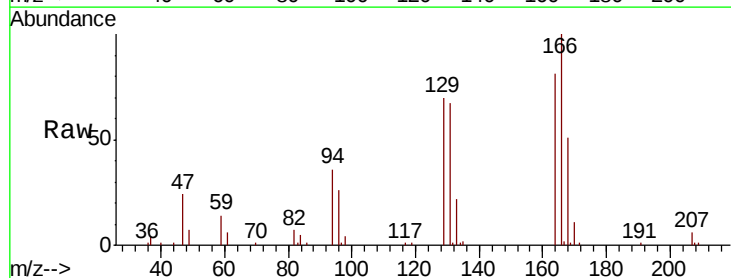


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

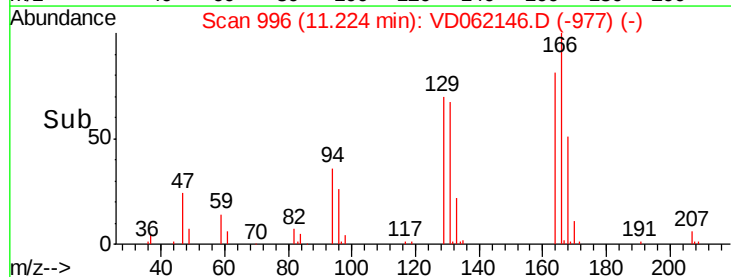
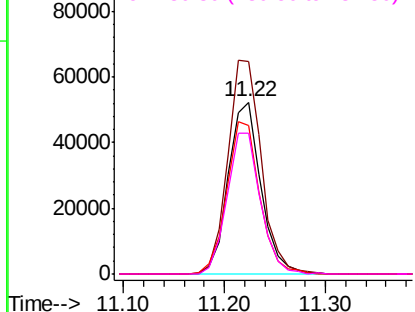


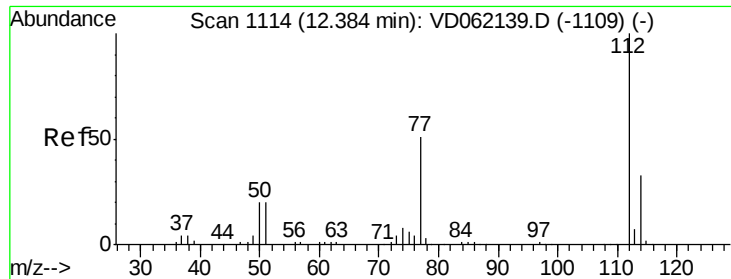
#64
Tetrachloroethene
Concen: 18.465 ug/l
RT: 11.22 min Scan# 996
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion:164 Resp: 117248
Ion Ratio Lower Upper
164 100
166 123.6 101.5 152.3
129 86.6 74.6 112.0
131 82.3 72.6 108.8



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

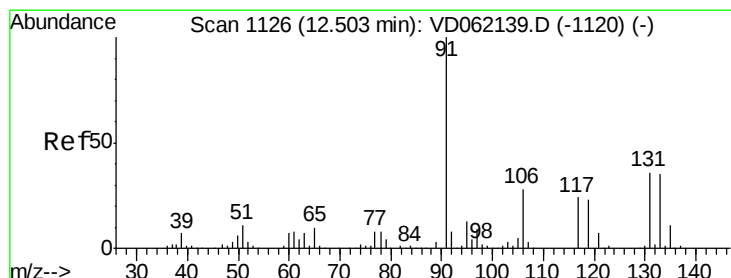
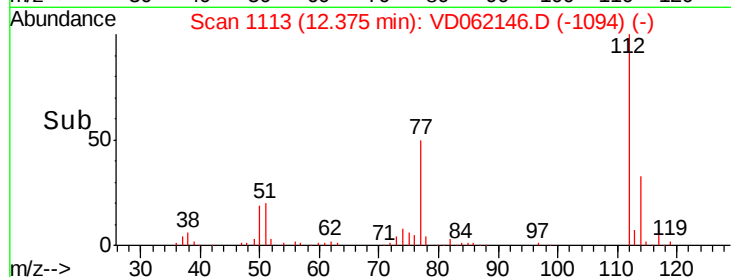
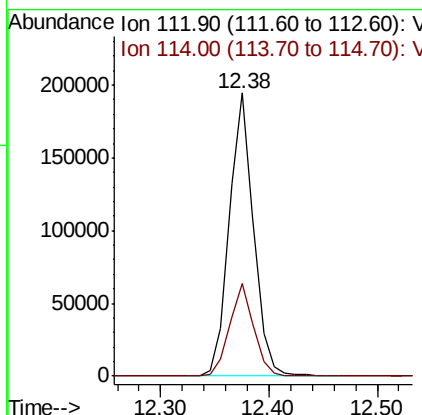
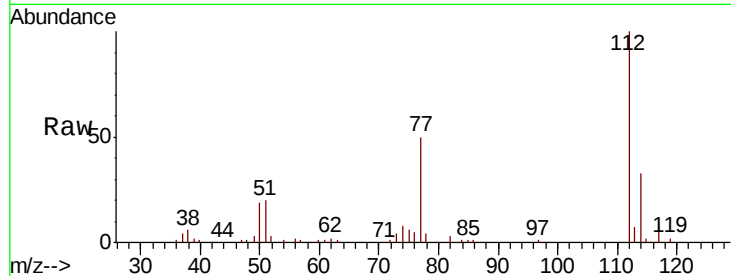




#65
Chlorobenzene
Concen: 20.066 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

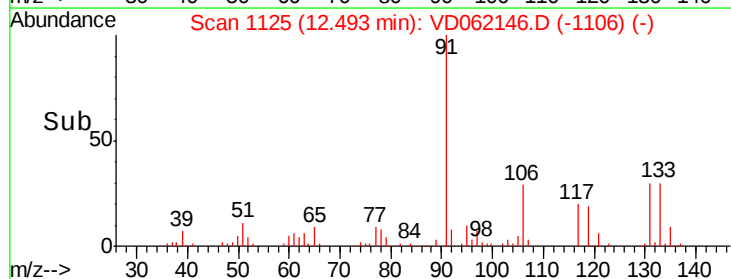
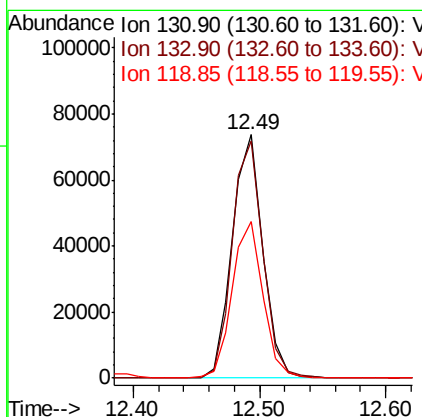
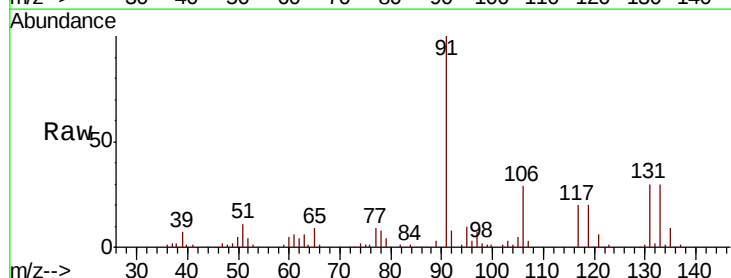
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion:112 Resp: 303488
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.723 ug/l
RT: 12.49 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion:131 Resp: 123237
Ion Ratio Lower Upper
131 100
133 97.2 48.6 145.8
119 64.5 34.7 104.1

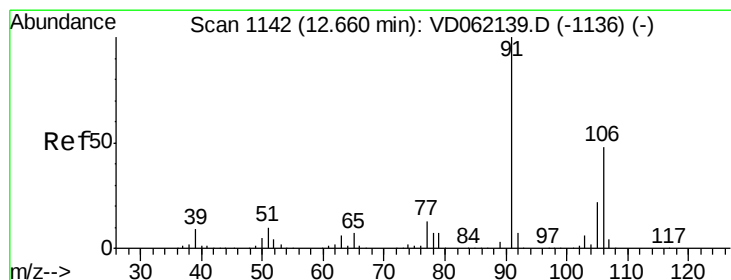
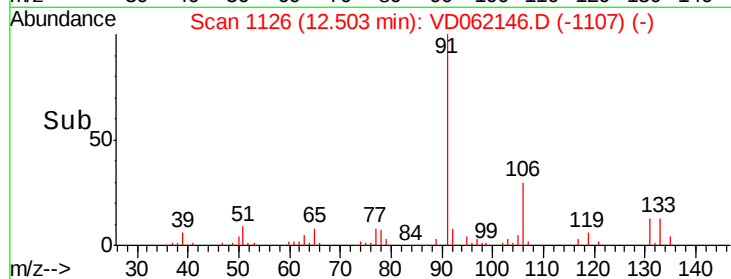
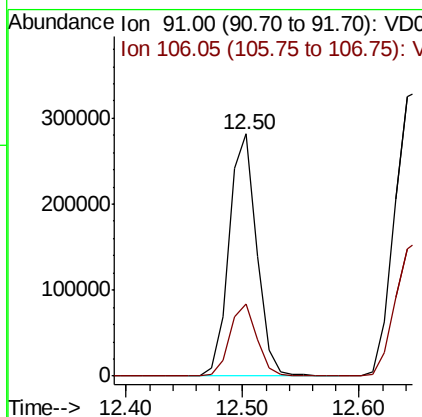
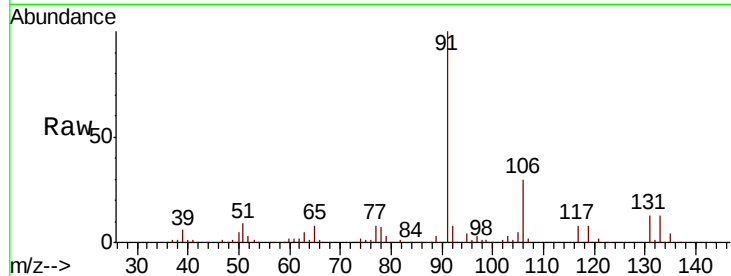




#67
Ethyl Benzene
Concen: 18.250 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

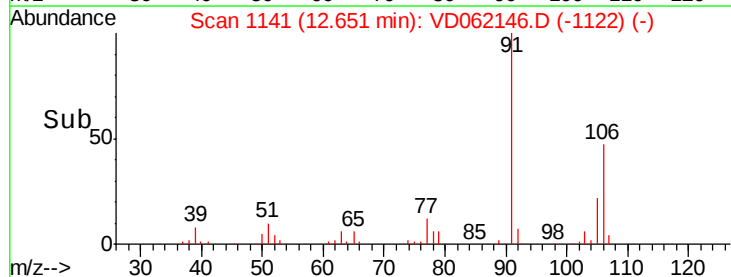
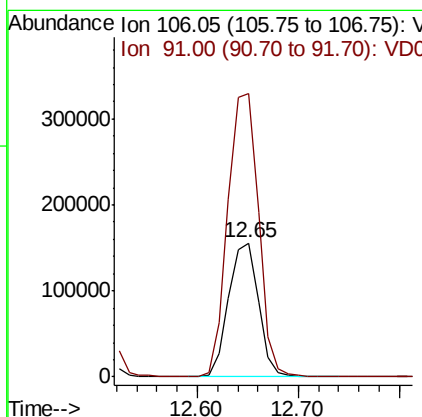
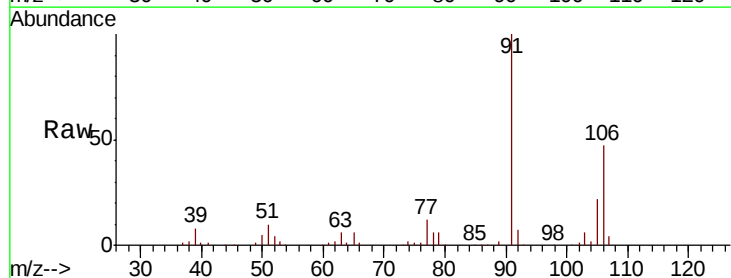
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion: 91 Resp: 462105
Ion Ratio Lower Upper
91 100
106 29.9 24.7 37.1



#68
m/p-Xylenes
Concen: 34.877 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion:106 Resp: 321289
Ion Ratio Lower Upper
106 100
91 210.9 164.0 246.0

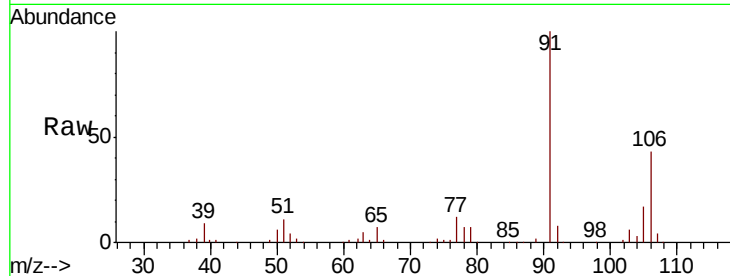




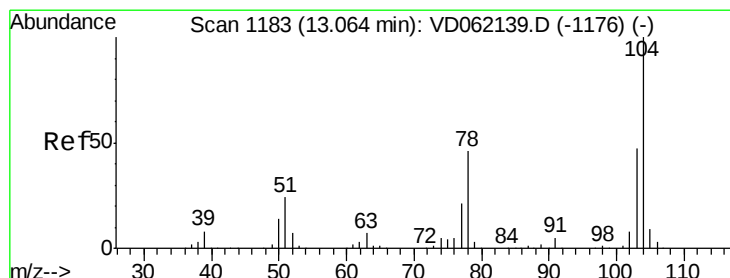
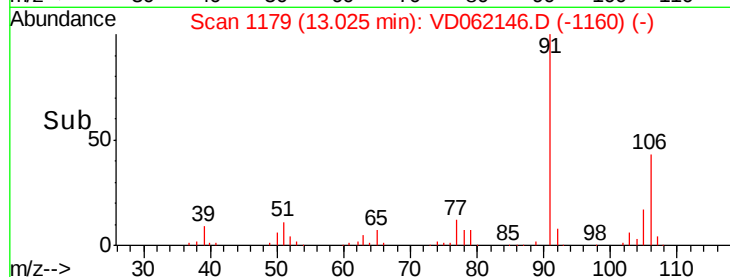
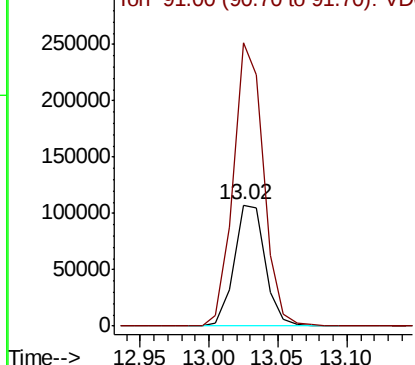
#69
o-Xylene
Concen: 19.758 ug/l
RT: 13.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Instrument :
MSVOA_D
ClientSampleID :
VD0507SBS01

Tot Ion:106 Resp: 169216
Ion Ratio Lower Upper
106 100
91 233.5 106.7 319.9

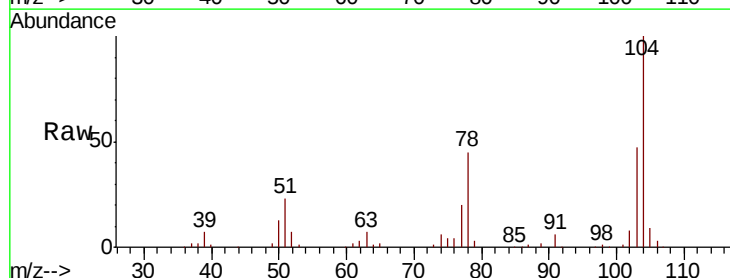


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

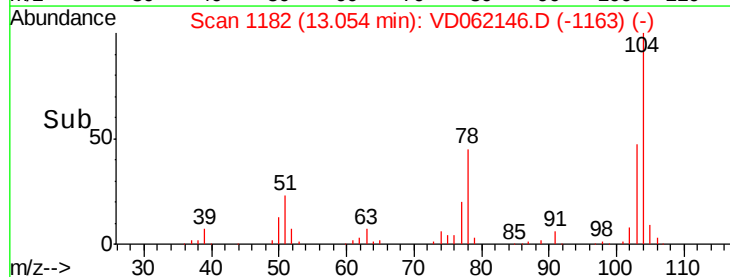
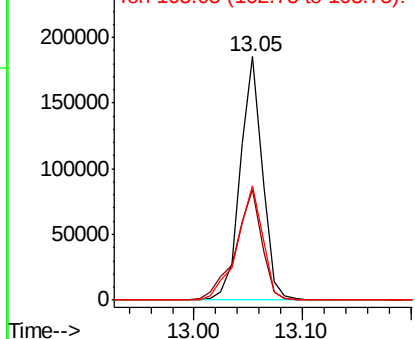


#70
Styrene
Concen: 18.156 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion:104 Resp: 263416
Ion Ratio Lower Upper
104 100
78 45.3 35.4 53.2
103 46.8 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

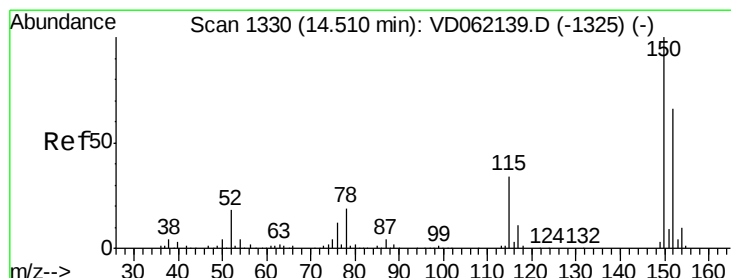
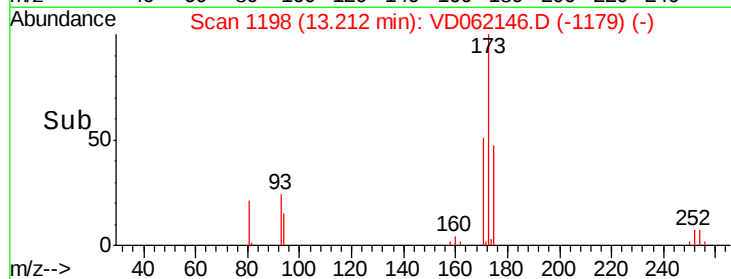
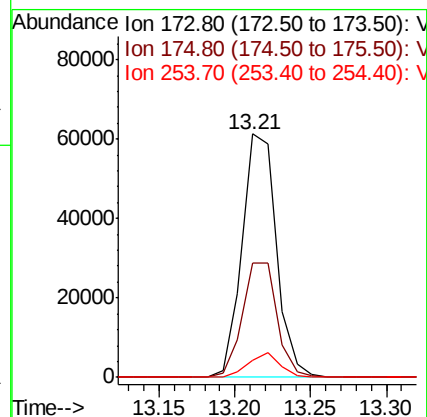
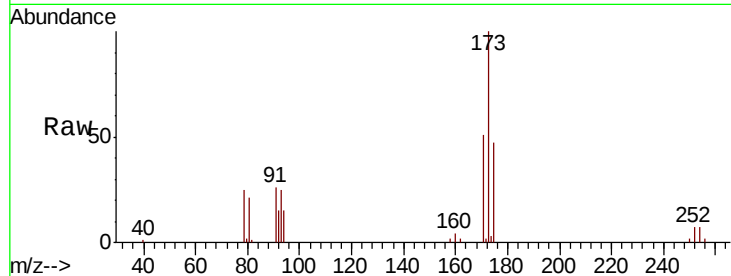




#71
Bromoform
Concen: 21.050 ug/l
RT: 13.21 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

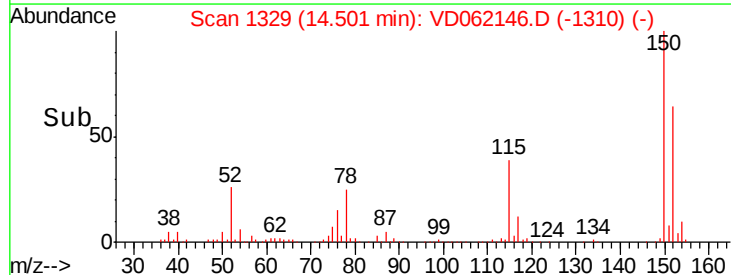
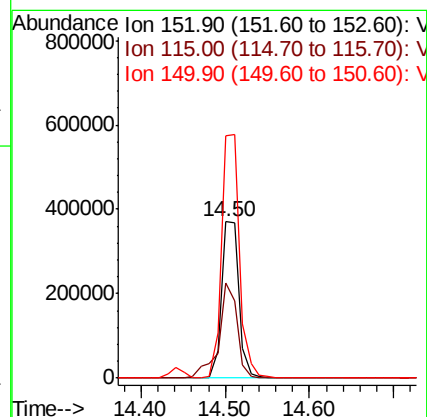
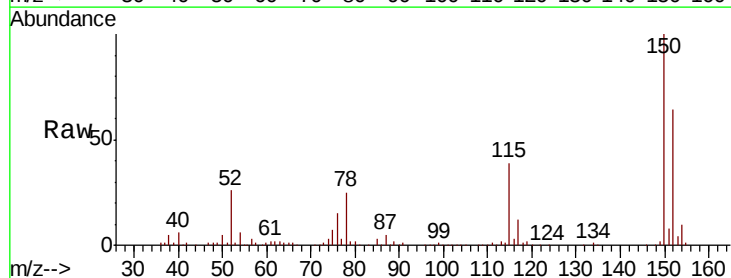
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

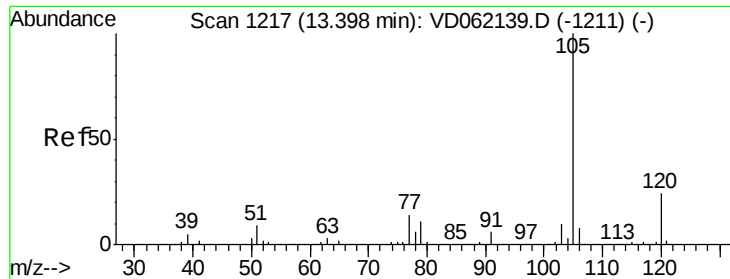
Tot Ion:173 Resp: 96397
Ion Ratio Lower Upper
173 100
175 46.8 24.4 73.4
254 7.0 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion:152 Resp: 526359
Ion Ratio Lower Upper
152 100
115 60.7 30.9 92.7
150 155.5 0.0 314.8





#73

Isopropylbenzene

Concen: 17.467 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

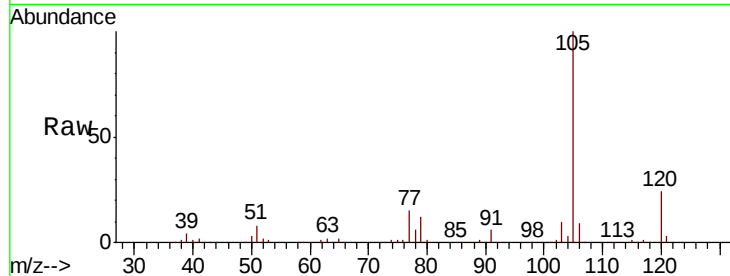
VD0507SBS01

Tot Ion:105 Resp: 551127

Ion Ratio Lower Upper

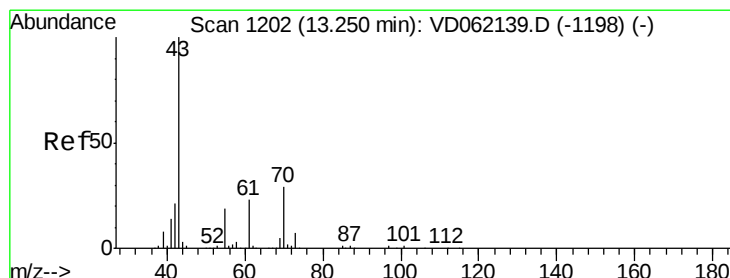
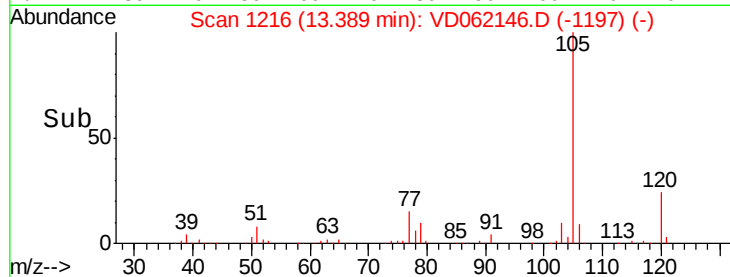
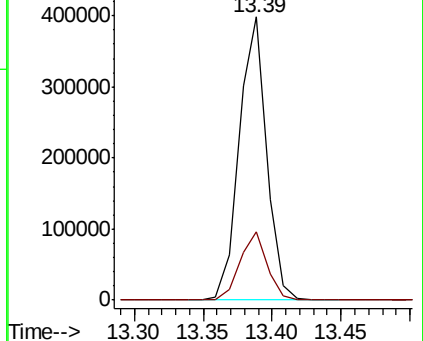
105 100

120 24.1 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: 17.232 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Tgt Ion: 43 Resp: 142547

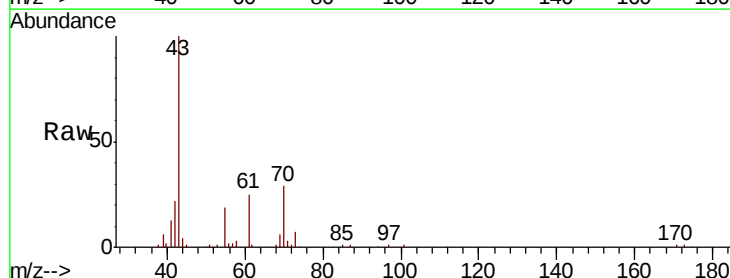
Ion Ratio Lower Upper

43 100

70 29.5 24.2 36.4

55 19.3 16.0 24.0

61 24.7 21.6 32.4

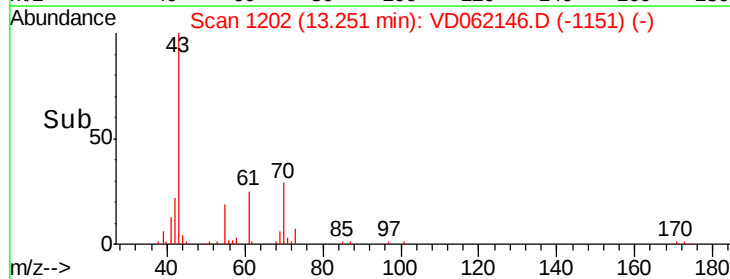
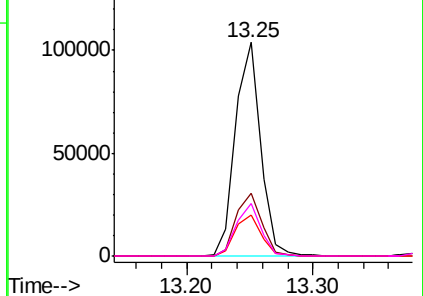


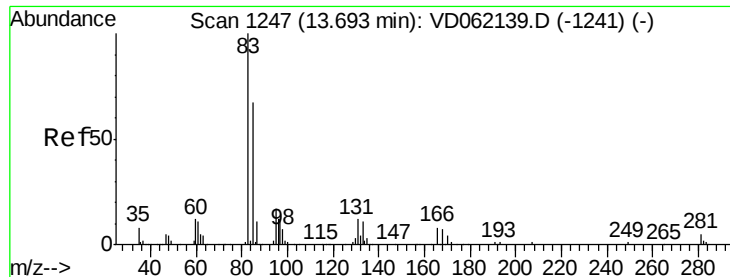
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 16.612 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

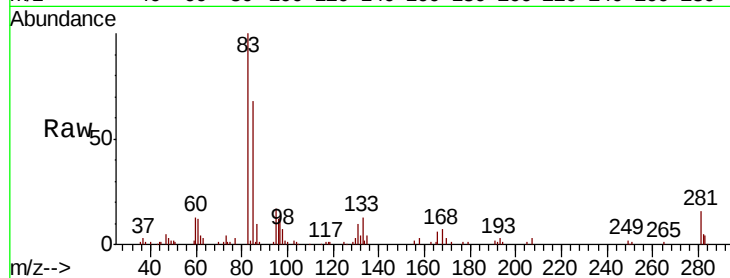
Tot Ion: 83 Resp: 99225

Ion Ratio Lower Upper

83 100

131 10.3 5.0 14.9

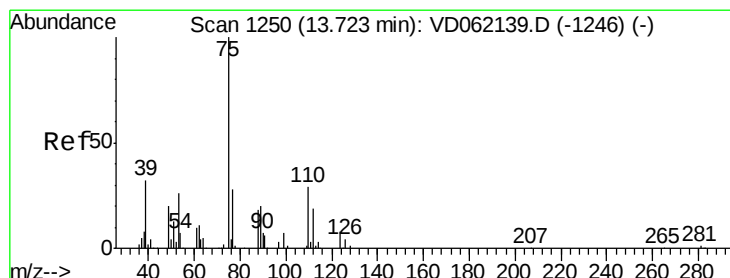
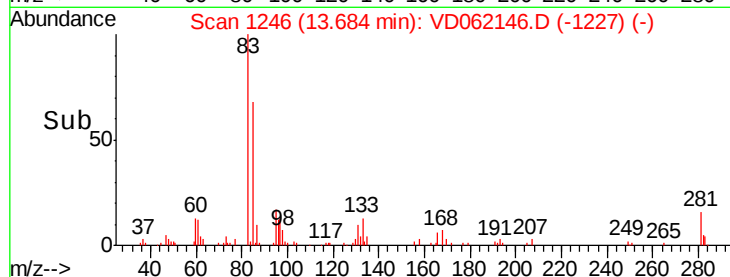
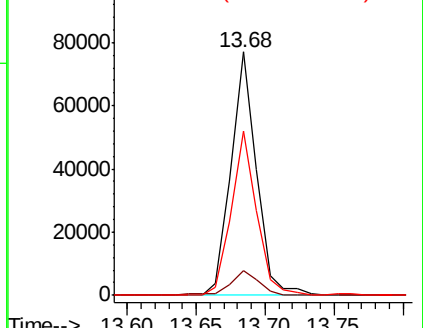
85 67.6 32.6 97.7



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: 17.697 ug/l

RT: 13.71 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062146.D

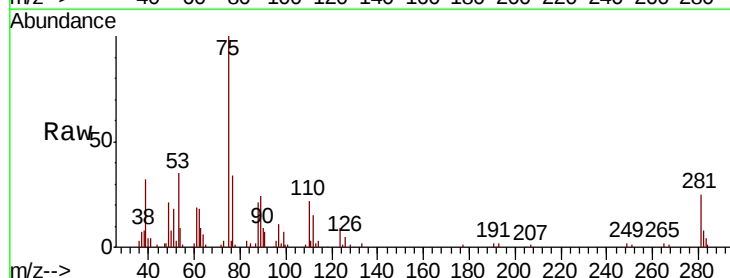
Acq: 7 May 2019 22:29

Tgt Ion: 75 Resp: 110703

Ion Ratio Lower Upper

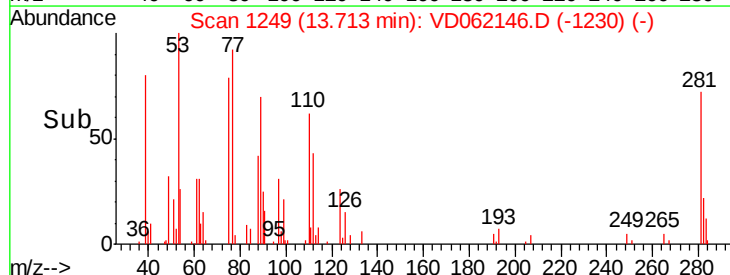
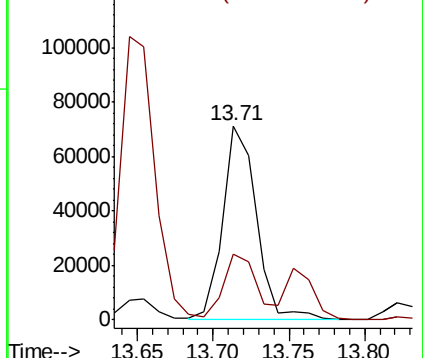
75 100

77 33.7 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: 15.902 ug/l

RT: 13.65 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

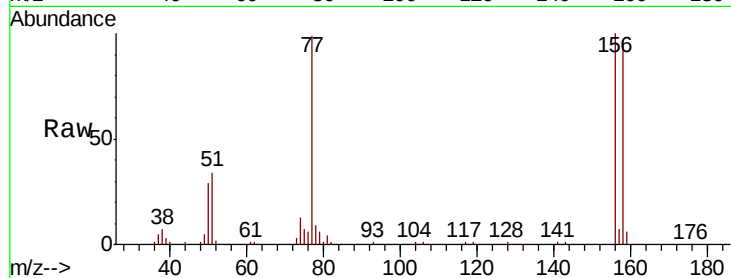
Tot Ion:156 Resp: 140450

Ion Ratio Lower Upper

156 100

77 99.0 53.1 159.4

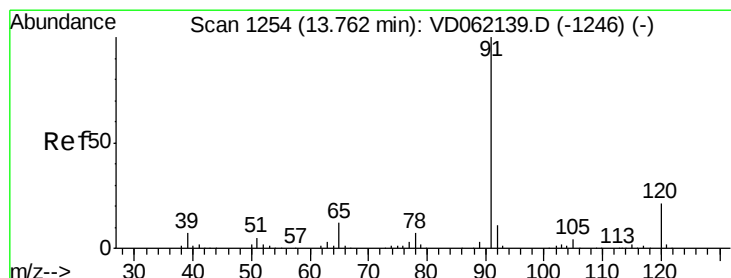
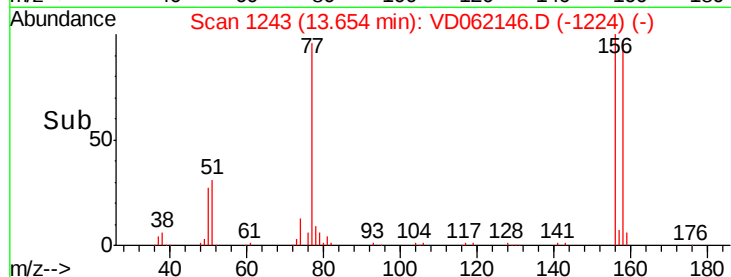
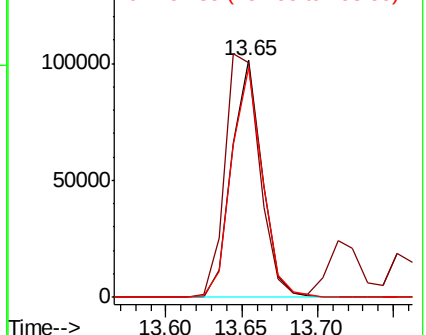
158 97.1 49.4 148.0



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: 18.472 ug/l

RT: 13.75 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD062146.D

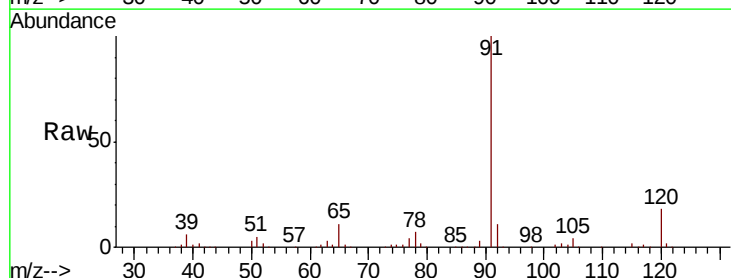
Acq: 7 May 2019 22:29

Tgt Ion: 91 Resp: 695243

Ion Ratio Lower Upper

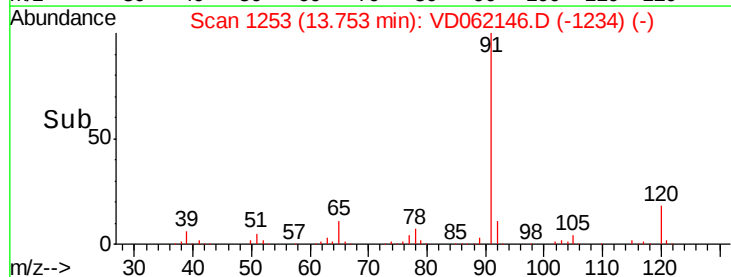
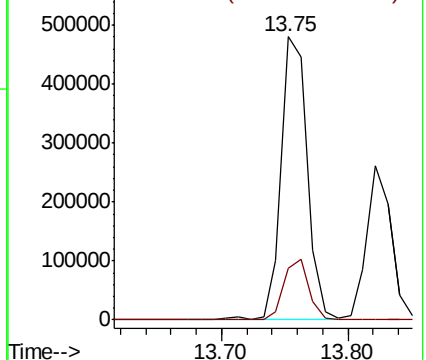
91 100

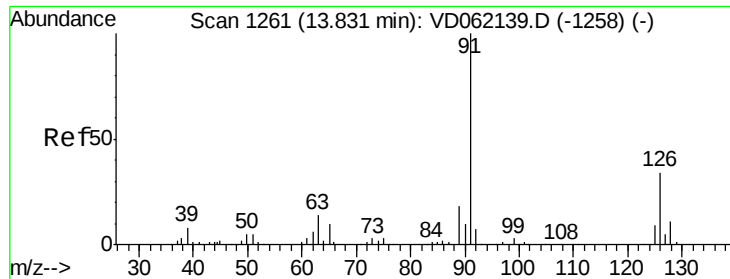
120 18.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 16.389 ug/l

RT: 13.82 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

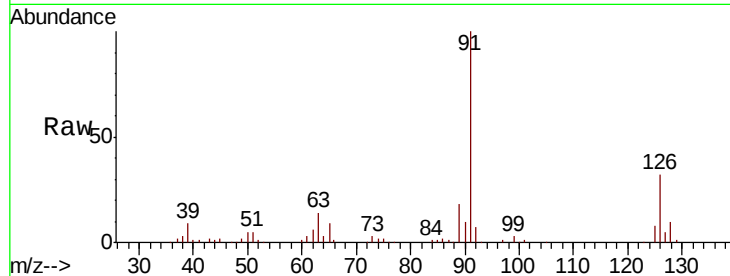
VD0507SBS01

Tot Ion: 91 Resp: 353270

Ion Ratio Lower Upper

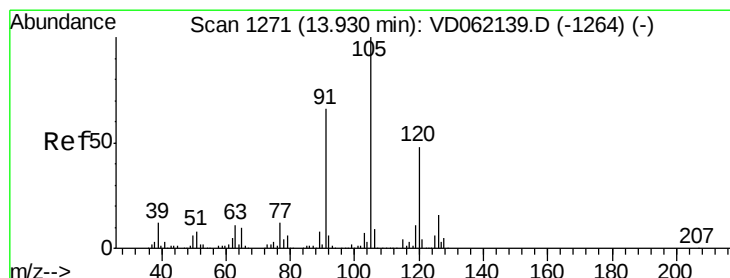
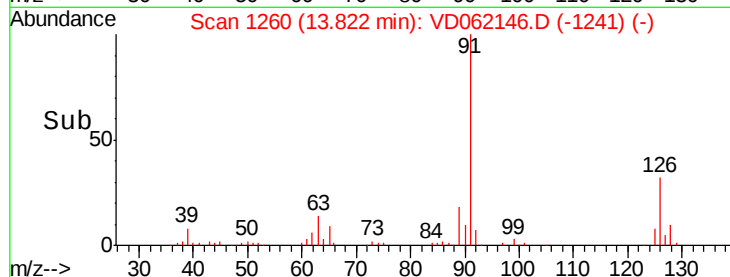
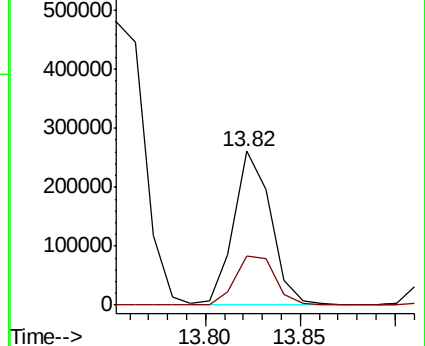
91 100

126 31.7 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: 16.861 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062146.D

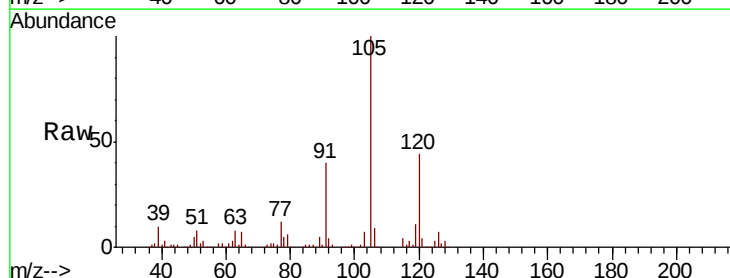
Acq: 7 May 2019 22:29

Tgt Ion:105 Resp: 447982

Ion Ratio Lower Upper

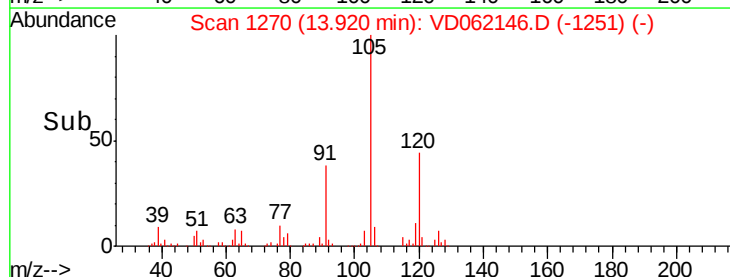
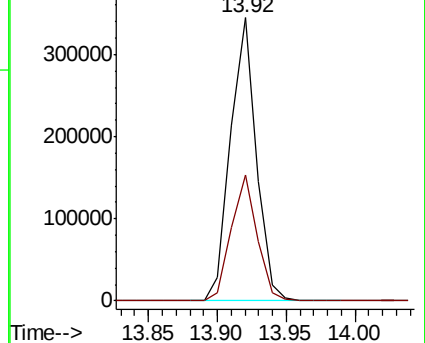
105 100

120 44.4 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

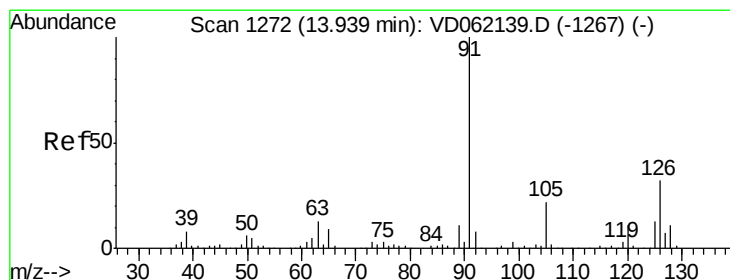
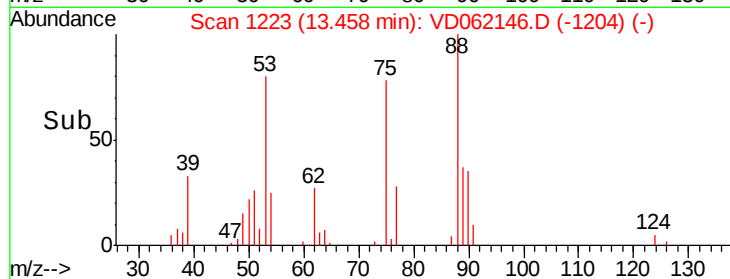
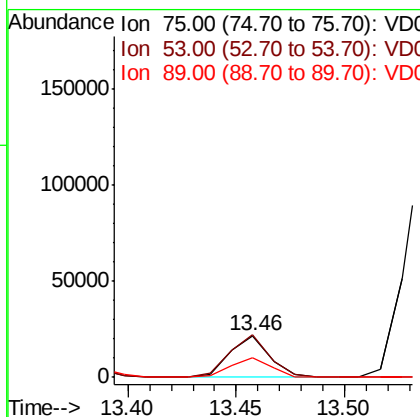
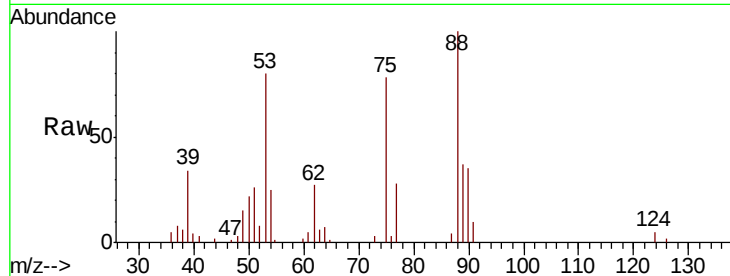




#81
trans-1,4-Dichloro-2-butene
Concen: 16.041 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

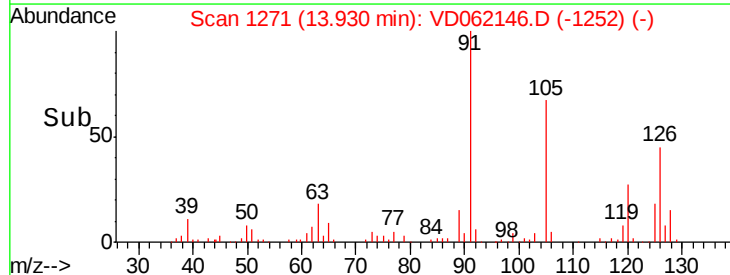
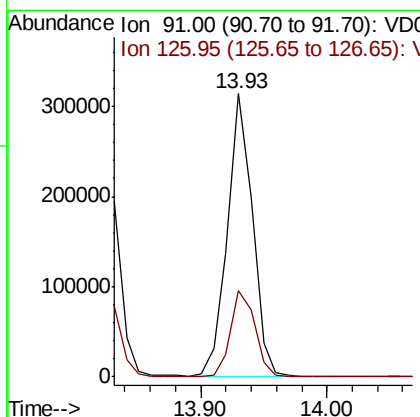
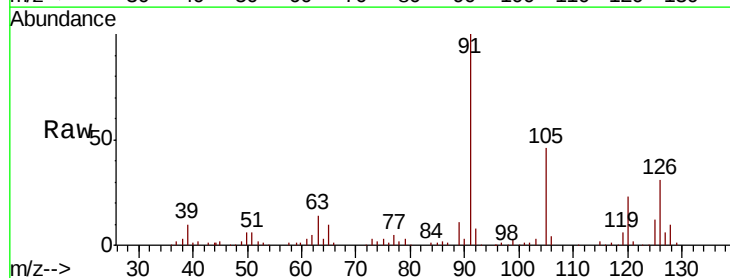
Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

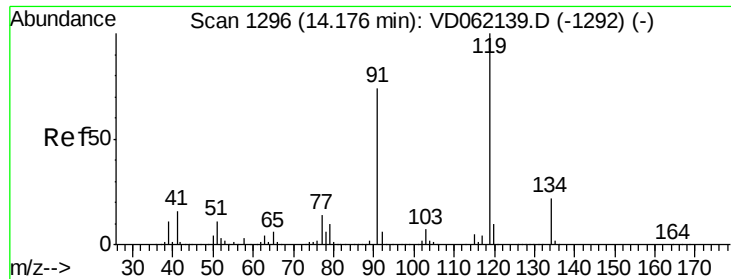
Tot Ion: 75 Resp: 28327
Ion Ratio Lower Upper
75 100
53 102.5 65.8 98.8#
89 46.9 35.0 52.6



#82
4-Chlorotoluene
Concen: 16.926 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion: 91 Resp: 429346
Ion Ratio Lower Upper
91 100
126 30.5 19.1 57.5

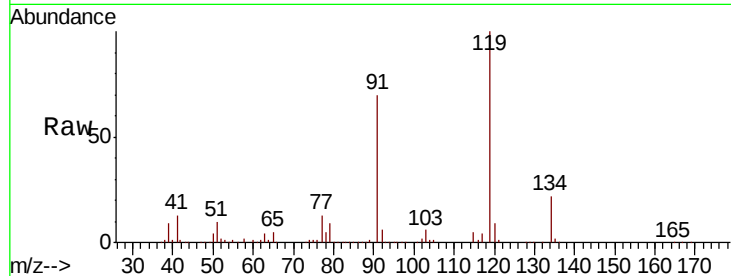




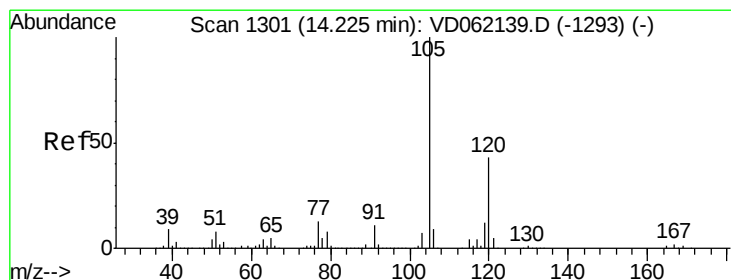
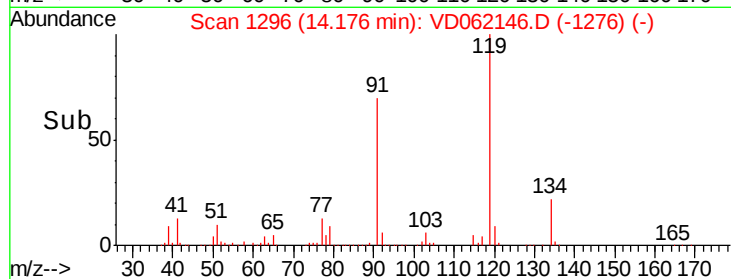
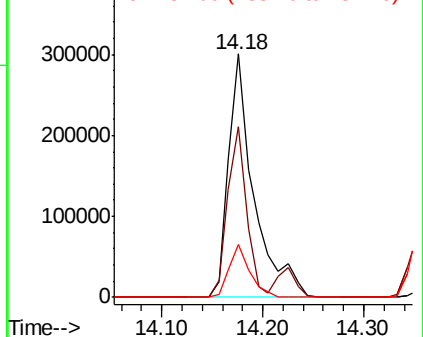
#83
tert-Butylbenzene
Concen: 17.599 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Instrument :
MSVOA_D
ClientSampleId :
VD0507SBS01

Tot Ion:119 Resp: 525553
Ion Ratio Lower Upper
119 100
91 70.2 34.2 102.6
134 21.7 12.0 36.0

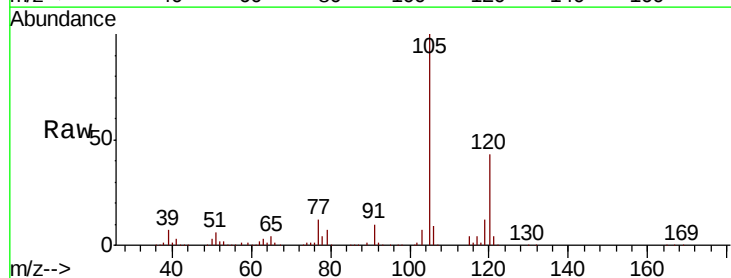


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

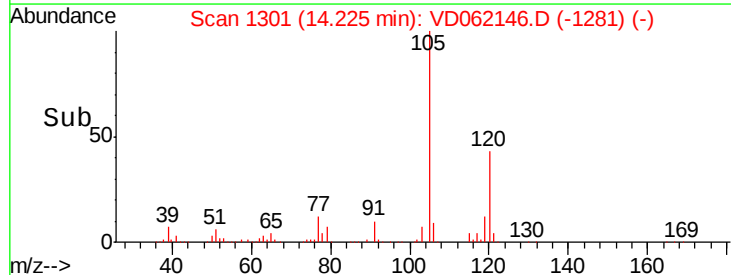
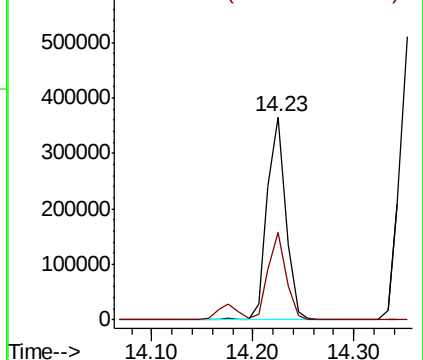


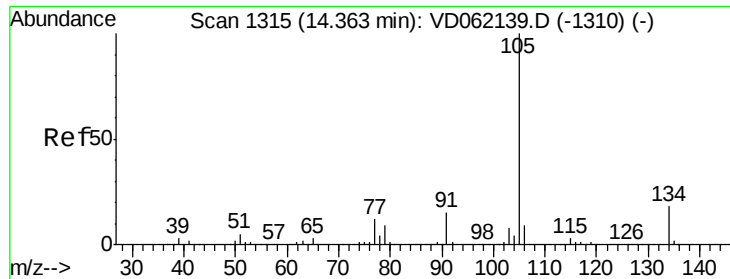
#84
1,2,4-Trimethylbenzene
Concen: 17.639 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD062146.D
Acq: 7 May 2019 22:29

Tgt Ion:105 Resp: 470287
Ion Ratio Lower Upper
105 100
120 43.0 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 19.149 ug/l

RT: 14.35 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

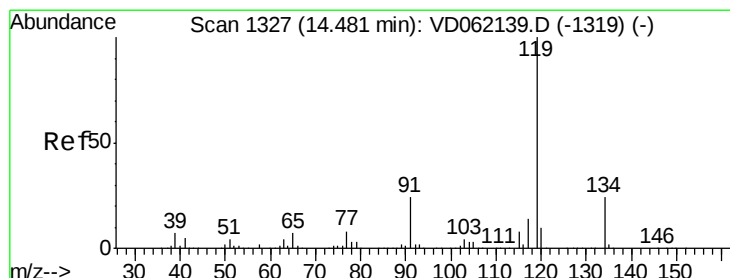
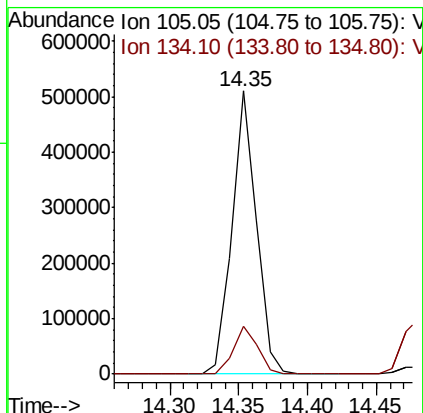
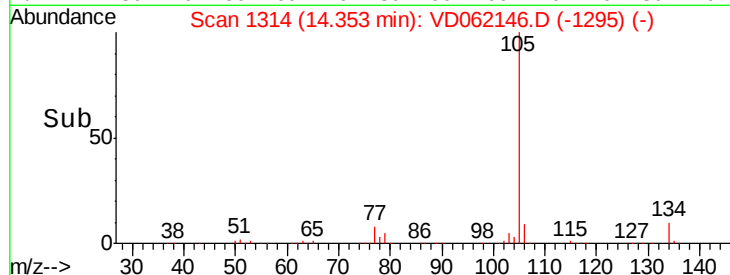
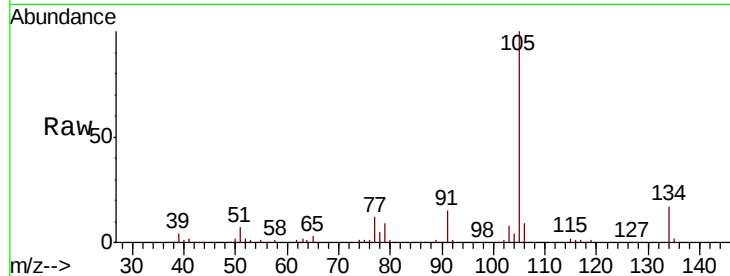
VD0507SBS01

Tot Ion:105 Resp: 626998

Ion Ratio Lower Upper

105 100

134 16.8 8.9 26.7



#86

p-Isopropyltoluene

Concen: 18.765 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

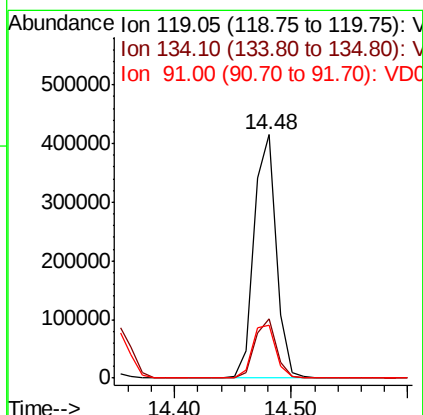
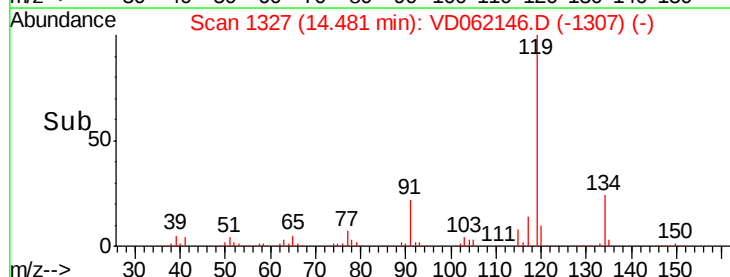
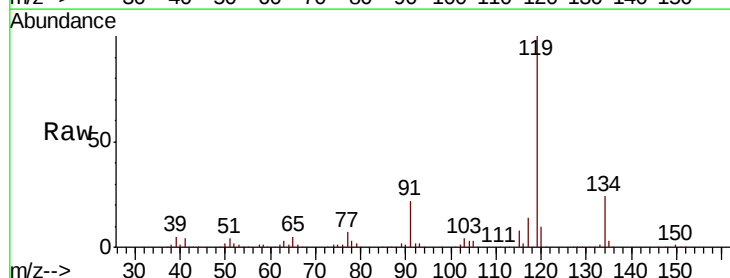
Tgt Ion:119 Resp: 548952

Ion Ratio Lower Upper

119 100

134 24.3 12.8 38.3

91 21.7 10.7 32.1

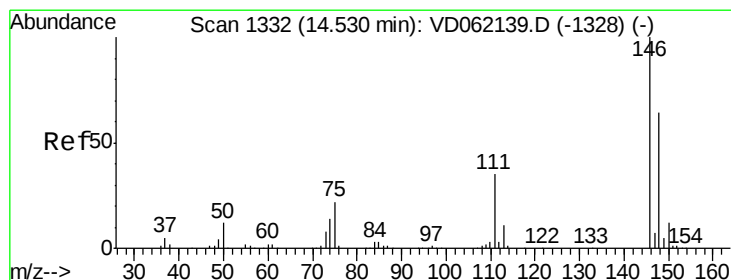
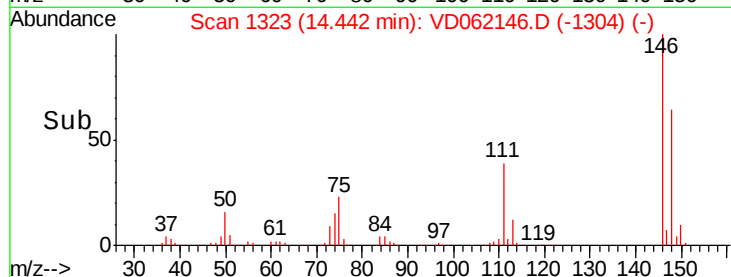
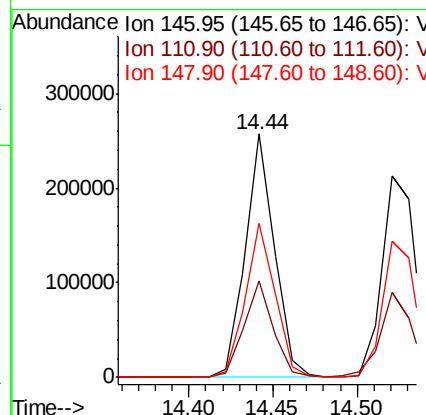
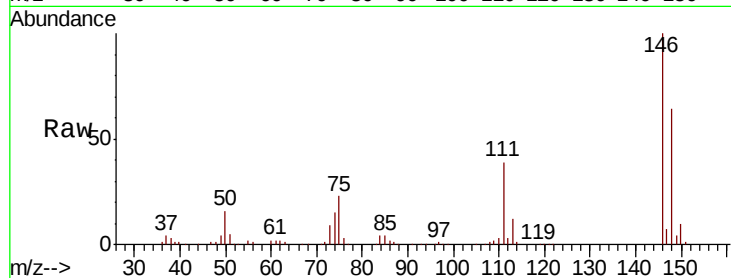




#87
 1,3-Dichlorobenzene
 Concen: 19.255 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

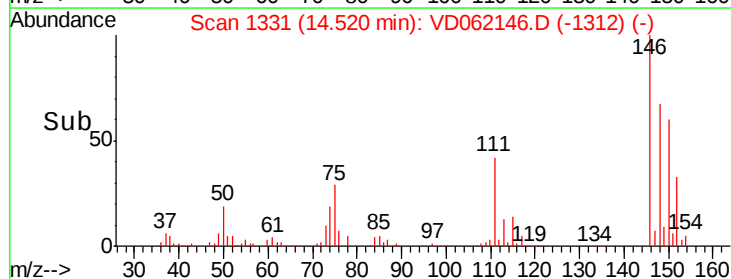
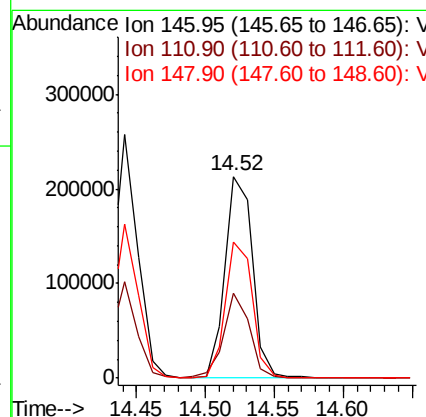
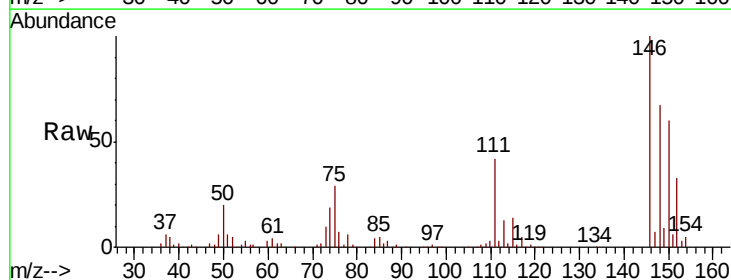
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Tot Ion:146 Resp: 310671
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 60.0
 148 63.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.455 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion:146 Resp: 292580
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.2 60.5
 148 67.4 32.0 96.2





#89

n-Butylbenzene

Concen: 19.484 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

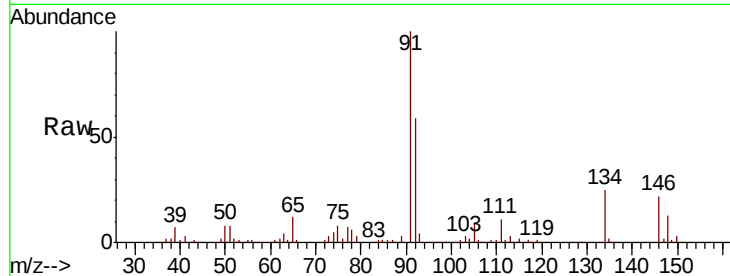
Tot Ion: 91 Resp: 511596

Ion Ratio Lower Upper

91 100

92 59.1 30.3 91.0

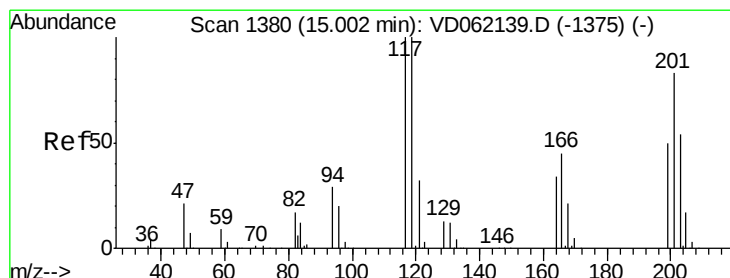
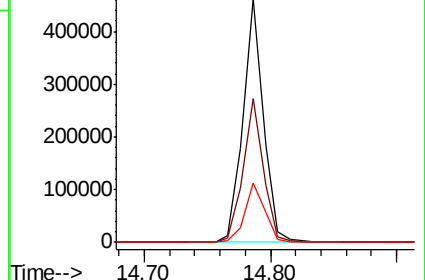
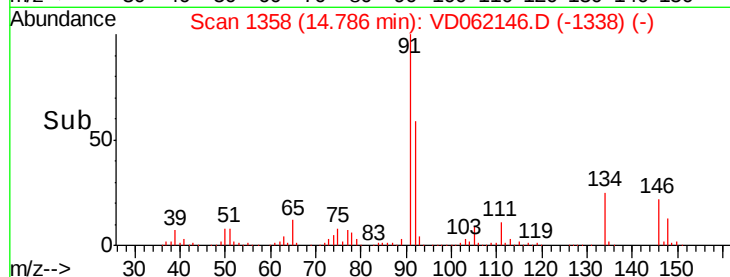
134 24.5 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 17.145 ug/l

RT: 14.99 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062146.D

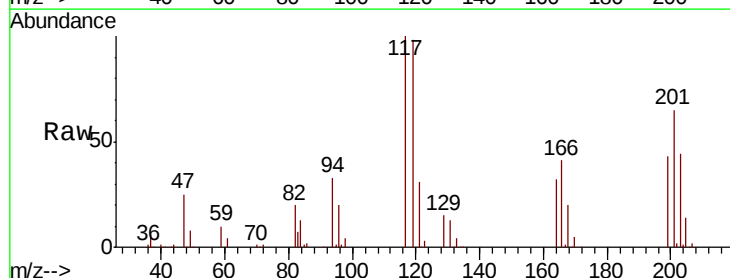
Acq: 7 May 2019 22:29

Tgt Ion: 117 Resp: 136399

Ion Ratio Lower Upper

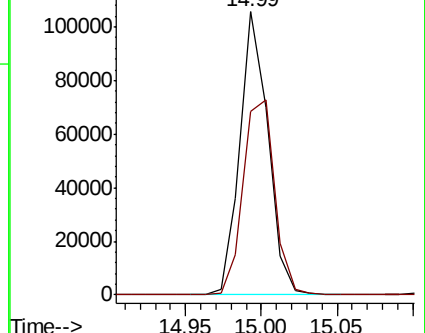
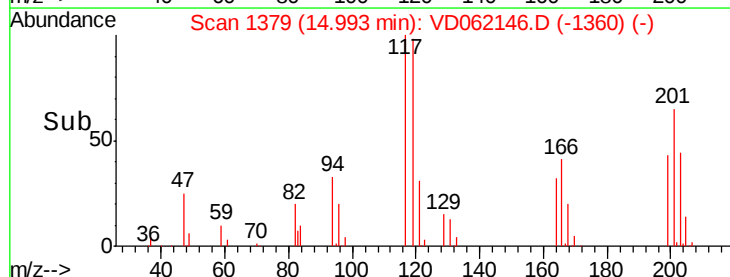
117 100

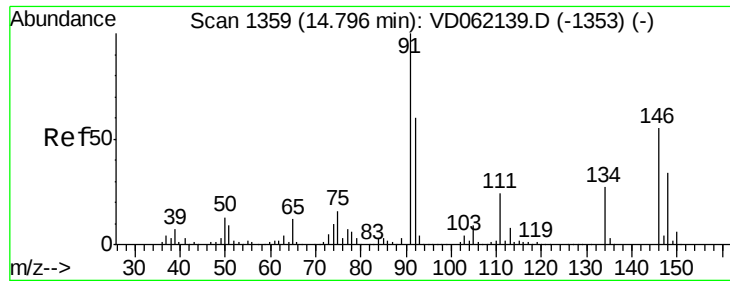
201 64.7 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

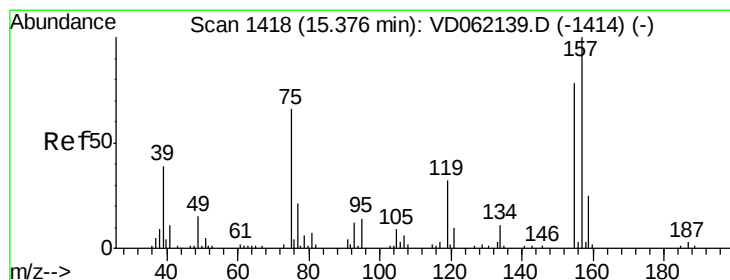
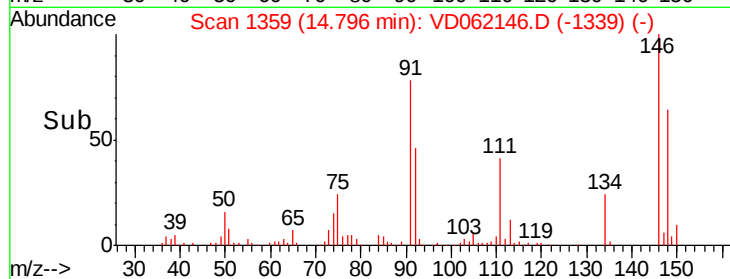
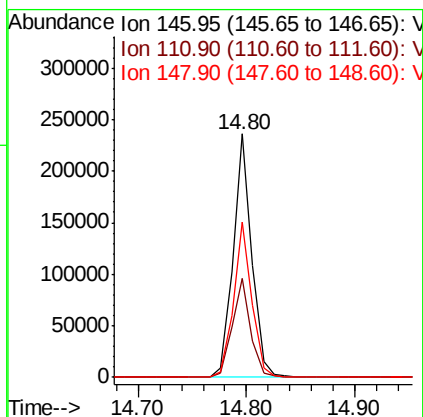
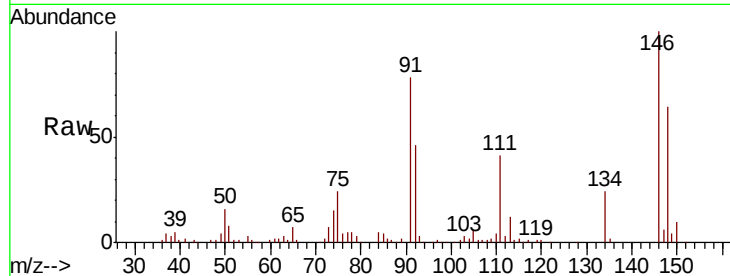




#91
 1,2-Dichlorobenzene
 Concen: 21.200 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

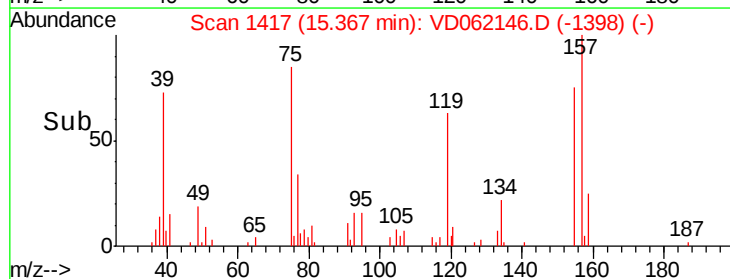
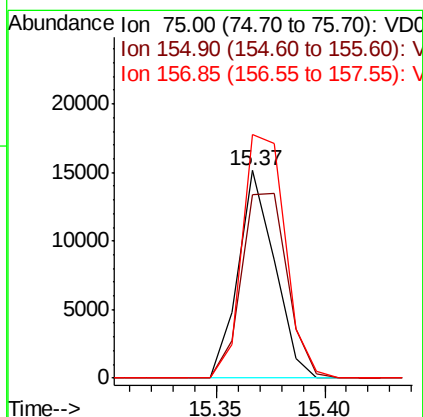
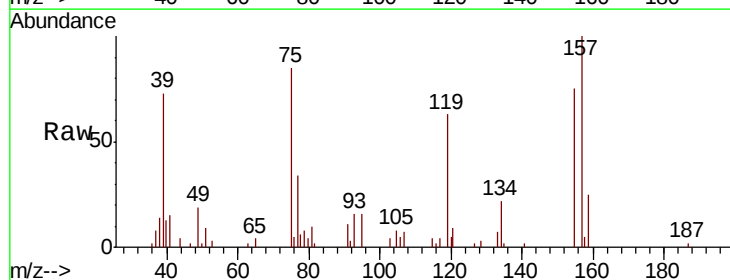
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

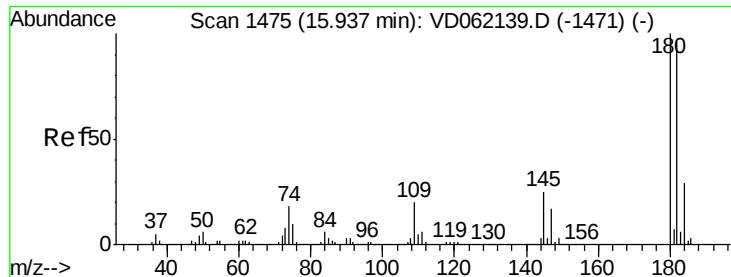
Tot Ion:146 Resp: 281701
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.0 59.9
 148 63.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.060 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion: 75 Resp: 17708
 Ion Ratio Lower Upper
 75 100
 155 88.5 55.3 165.8
 157 117.3 67.8 203.2

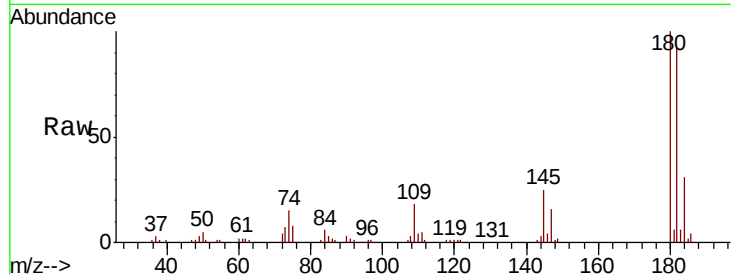




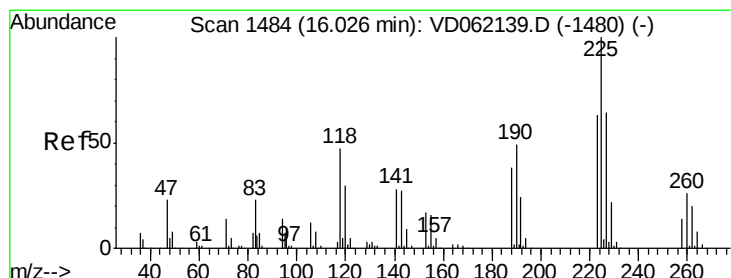
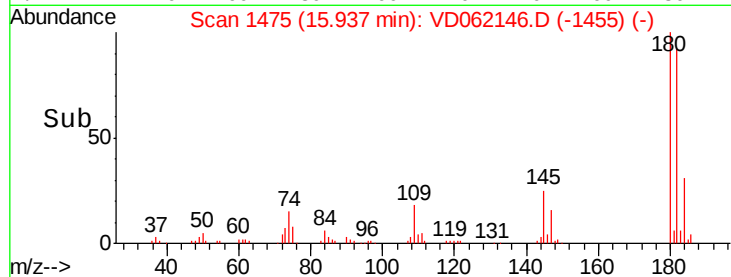
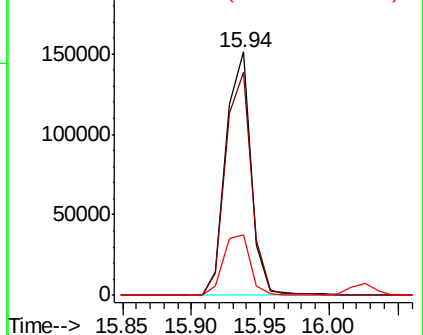
#93
 1,2,4-Trichlorobenzene
 Concen: 19.717 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0507SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	49.3	147.8
145	24.7	16.2	48.6

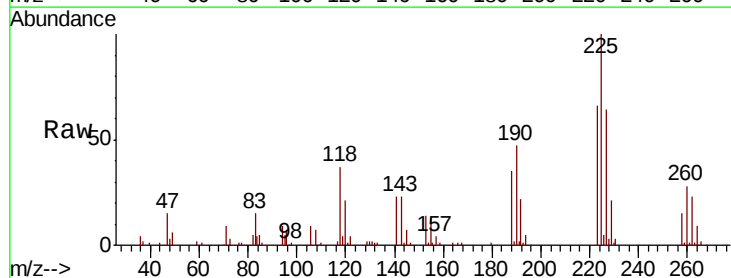


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

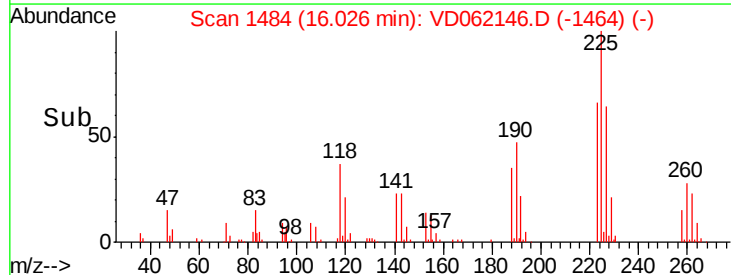
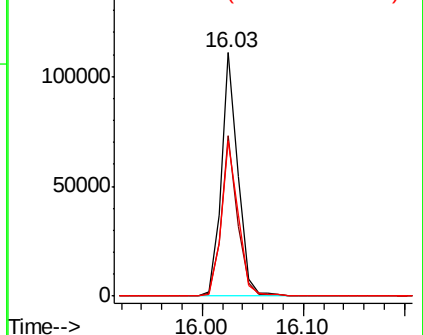


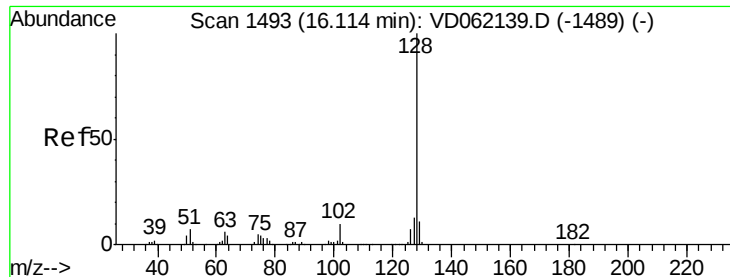
#94
 Hexachlorobutadiene
 Concen: 17.778 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062146.D
 Acq: 7 May 2019 22:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	30.6	92.0
227	64.0	32.0	96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 19.473 ug/l

RT: 16.11 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

Instrument :

MSVOA_D

ClientSampleId :

VD0507SBS01

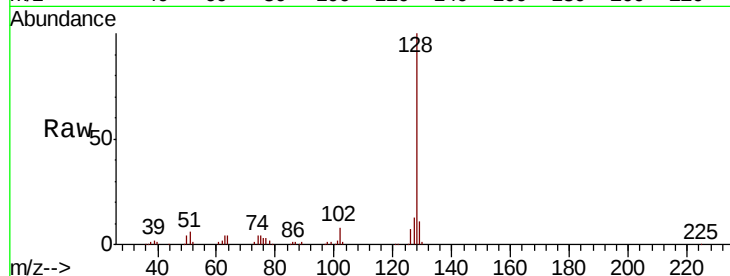
Tot Ion:128 Resp: 262947

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

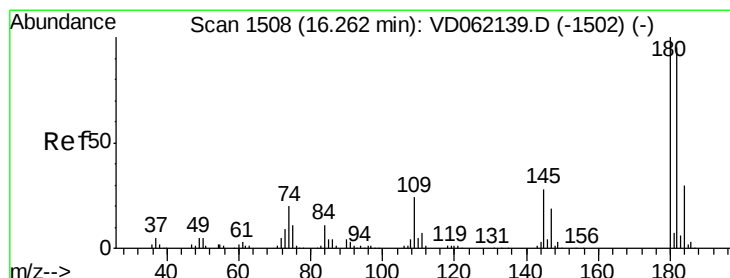
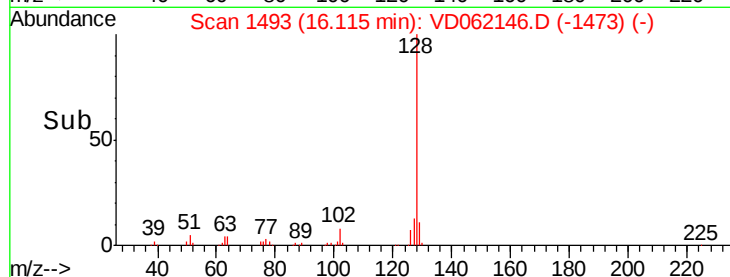
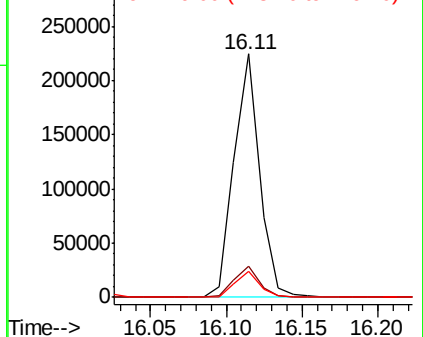
129 10.7 8.8 13.2



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: 22.594 ug/l

RT: 16.26 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062146.D

Acq: 7 May 2019 22:29

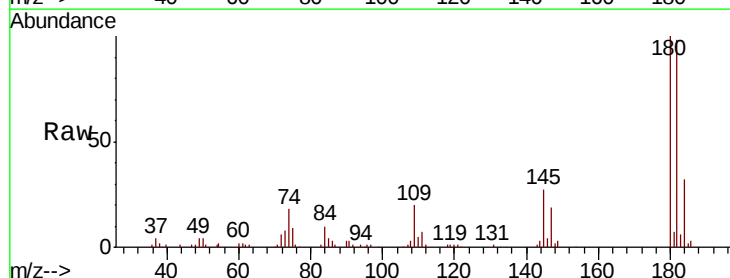
Tgt Ion:180 Resp: 137397

Ion Ratio Lower Upper

180 100

182 97.8 47.0 141.0

145 27.1 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

