

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063556.D
 Acq On : 14 Aug 2019 6:12
 Operator : JC/SY
 Sample : K4324-06
 Misc : 6.21g/5ml/MSVOA D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-E1-(4)

Quant Time: Aug 14 08:34:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	4764	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	10574	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	10193	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	3597	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	8501	166.94	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	333.88%	
35) Dibromofluoromethane	6.92	113	4090	45.93	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	91.86%	
50) Toluene-d8	10.42	98	6979	35.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.30%	
62) 4-Bromofluorobenzene	13.56	95	3413	38.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.74	50	416	9.238	ug/l #	41
5) Bromomethane	2.14	94	1151	54.567	ug/l #	11
6) Chloroethane	2.20	64	187	9.148	ug/l #	1
10) Methyl Iodide	3.32	142	533	7.276	ug/l #	29
12) 1,1-Dichloroethene	3.08	96	210	5.455	ug/l #	1
13) Acrolein	3.10	56	207	94.866	ug/l #	18
14) Allyl chloride	3.64	41	287	4.959	ug/l #	8
16) Acetone	3.22	43	27939	2698.965	ug/l #	89
18) Methyl Acetate	3.62	43	952	48.553	ug/l #	57
21) trans-1,2-Dichloroethene	4.28	96	183	4.518	ug/l #	1
23) Vinyl Acetate	5.04	43	179	2.578	ug/l #	82
24) 1,1-Dichloroethane	5.04	63	253	3.416	ug/l #	88
25) 2-Butanone	6.08	43	1737	169.899	ug/l #	58
29) Tetrahydrofuran	6.19	42	213	44.710	ug/l #	27
36) 1,1-Dichloropropene	7.05	75	441	4.718	ug/l #	42
37) Ethyl Acetate	6.18	43	191	4.876	ug/l #	73
38) Carbon Tetrachloride	7.04	117	671	4.763	ug/l #	13
40) Benzene	7.41	78	219	1.065	ug/l #	50
41) Methacrylonitrile	6.45	41	198	4.015	ug/l #	37
43) Isopropyl Acetate	9.43	43	183	3.488	ug/l #	48
45) 1,2-Dichloropropane	9.08	63	230	4.801	ug/l #	47
51) 4-Methyl-2-Pentanone	10.29	43	183	5.098	ug/l #	40
57) 1,3-Dichloropropane	11.42	76	206	3.045	ug/l #	42
59) 2-Hexanone	11.48	43	518	19.832	ug/l #	30
70) Styrene	13.11	104	204	1.021	ug/l #	29
71) Bromoform	13.22	173	187	3.244	ug/l #	38
74) N-amyl acetate	13.29	43	208	3.622	ug/l #	53
78) n-propylbenzene	13.77	91	755	2.820	ug/l #	53
79) 2-Chlorotoluene	13.77	91	755	4.892	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.93	105	379	1.896	ug/l #	31
81) trans-1,4-Dichloro-2-buten	13.56	75	2072	186.744	ug/l #	1
84) 1,2,4-Trimethylbenzene	14.25	105	438	2.368	ug/l #	31
85) sec-Butylbenzene	14.25	105	438	1.959	ug/l #	62
87) 1,3-Dichlorobenzene	14.54	146	612	5.411	ug/l #	71

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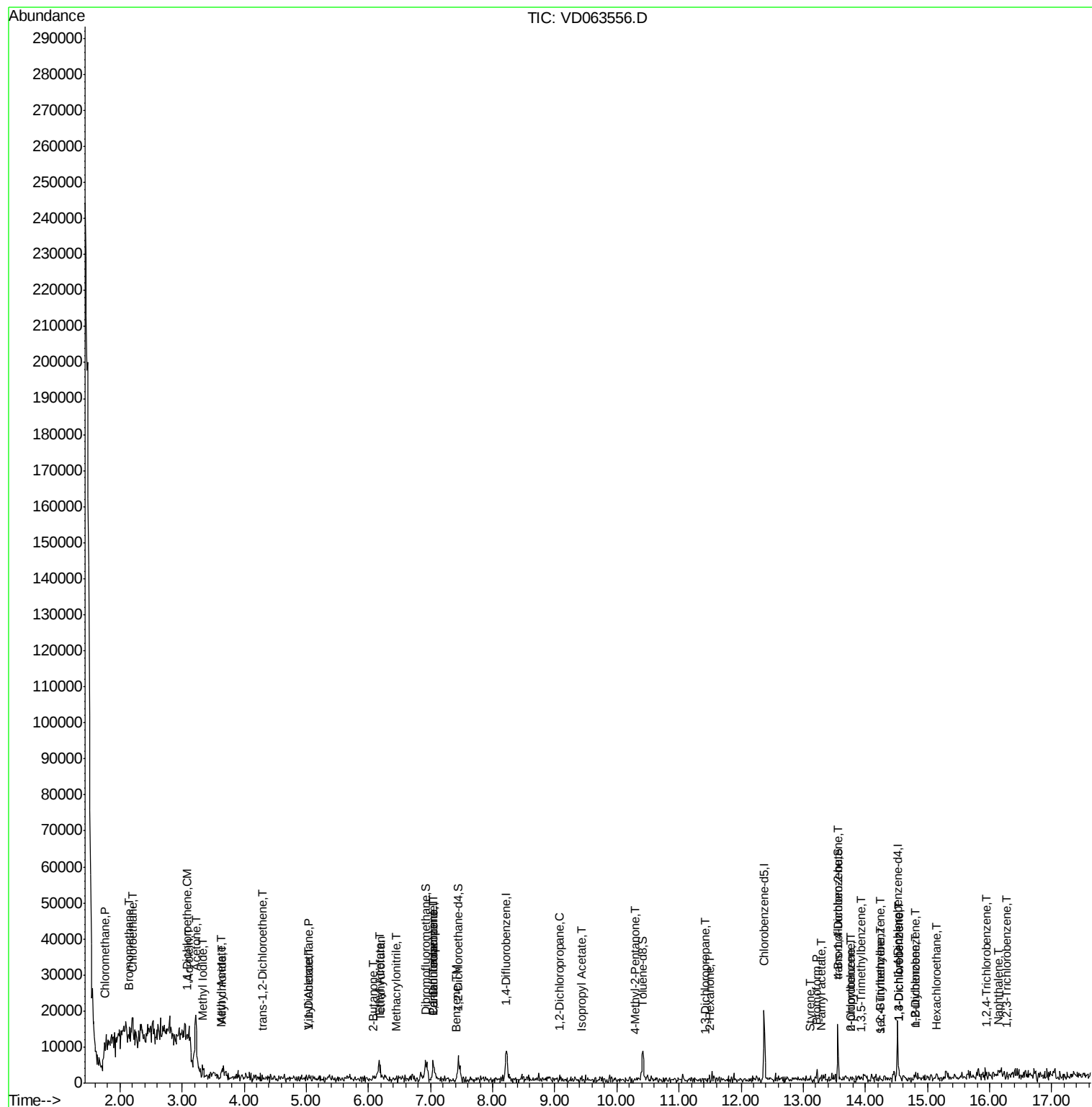
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	14.54	146	612	5.640	ug/l #	68
89) n-Butylbenzene	14.80	91	203	1.041	ug/l #	28
90) Hexachloroethane	15.13	117	212	3.946	ug/l #	12
91) 1,2-Dichlorobenzene	14.82	146	513	5.346	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.95	180	262	3.711	ug/l #	74
95) Naphthalene	16.13	128	1203	11.242	ug/l #	71
96) 1,2,3-Trichlorobenzene	16.27	180	253	4.436	ug/l #	72

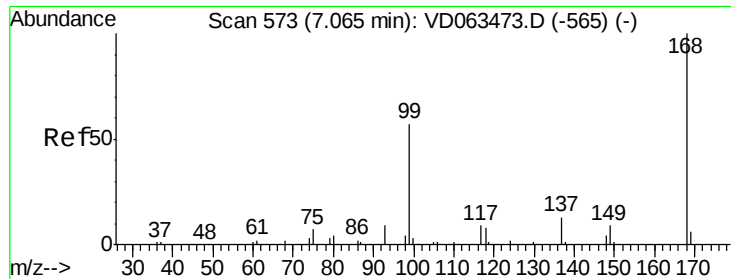
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

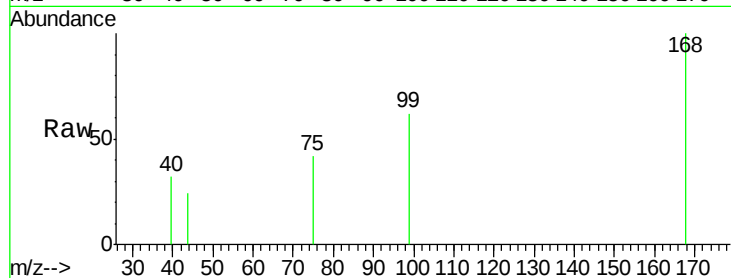
T8-E1-(4)

Tot Ion:168 Resp: 4764

Ion Ratio Lower Upper

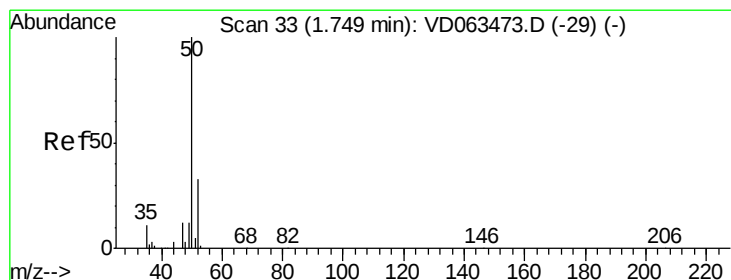
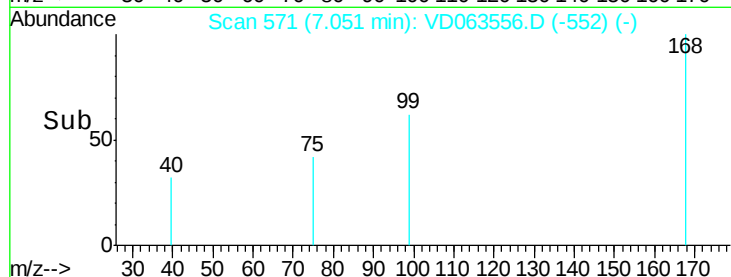
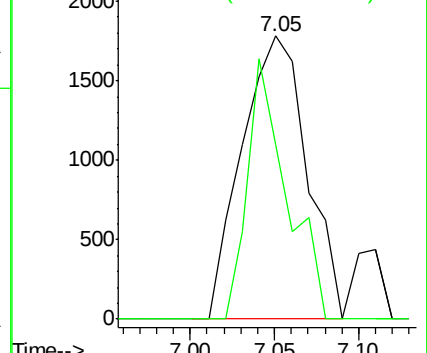
168 100

99 61.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 9.238 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063556.D

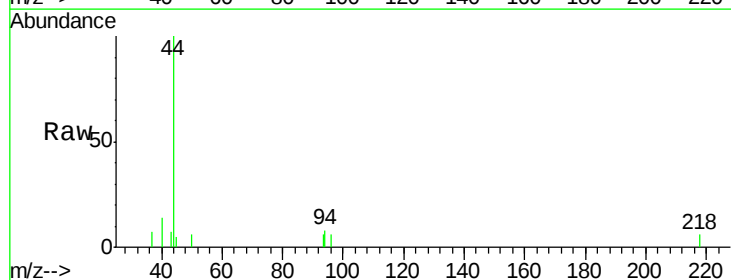
Acq: 14 Aug 2019 6:12

Tgt Ion: 50 Resp: 416

Ion Ratio Lower Upper

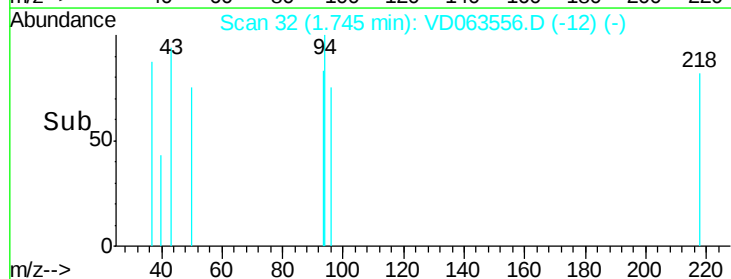
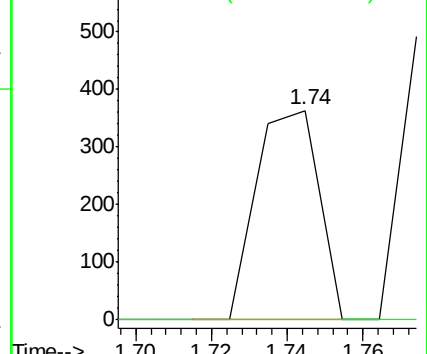
50 100

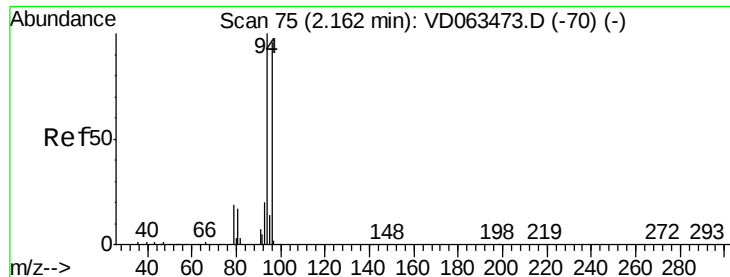
52 0.0 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 54.567 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

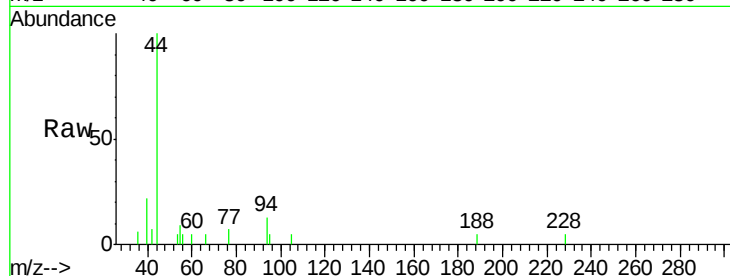
Tot Ion: 94 Resp: 1151

Ion Ratio Lower Upper

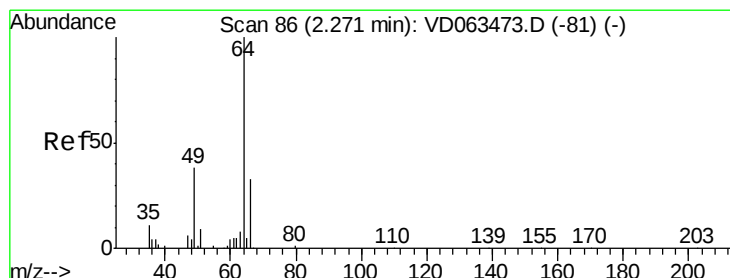
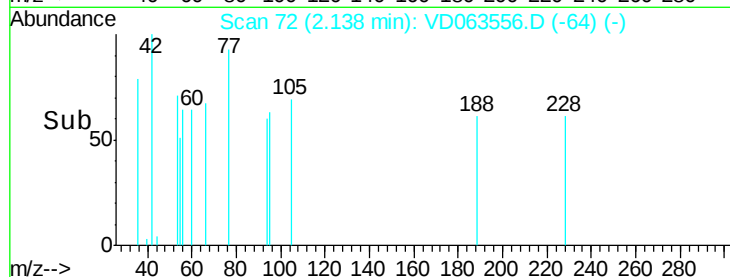
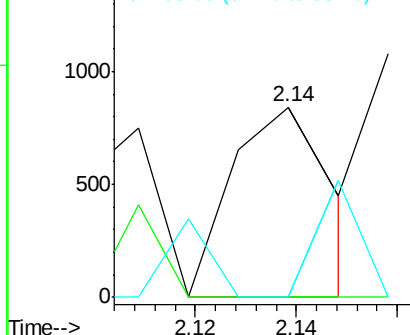
94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



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: 9.148 ug/l

RT: 2.20 min Scan# 78

Delta R.T. -0.07 min

Lab File: VD063556.D

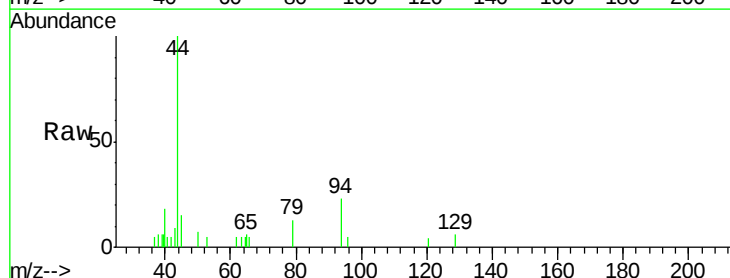
Acq: 14 Aug 2019 6:12

Tgt Ion: 64 Resp: 187

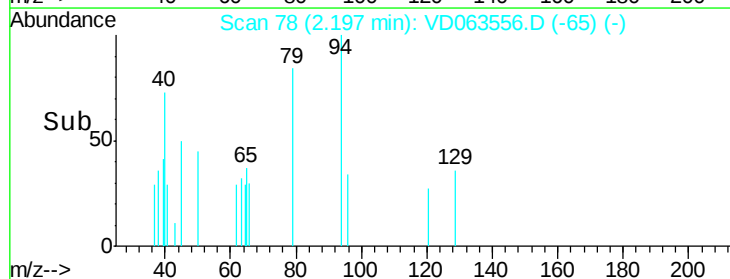
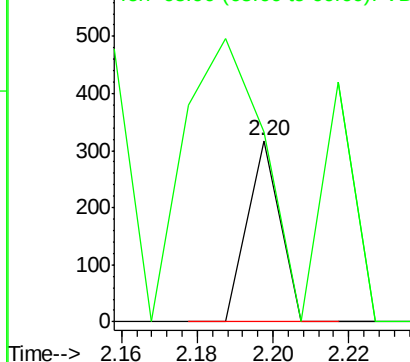
Ion Ratio Lower Upper

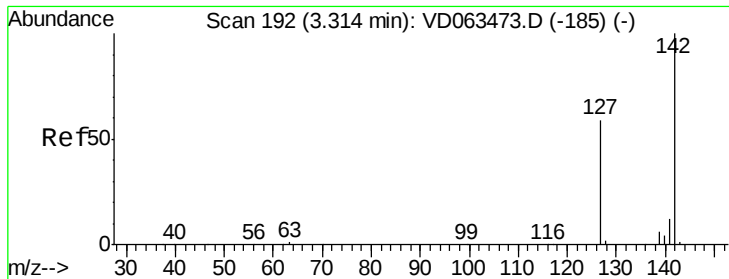
64 100

66 104.7 26.3 39.5#



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

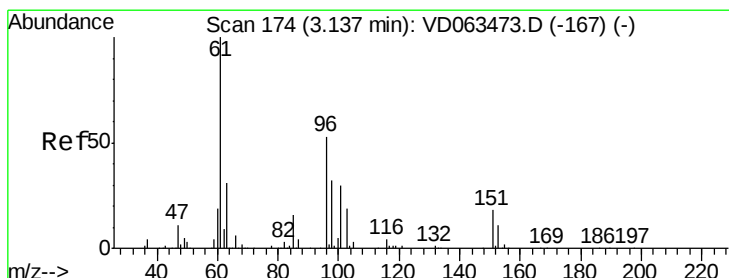
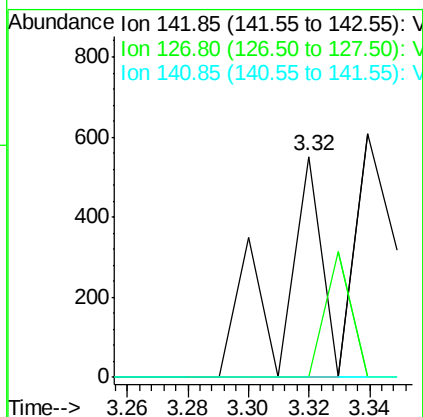
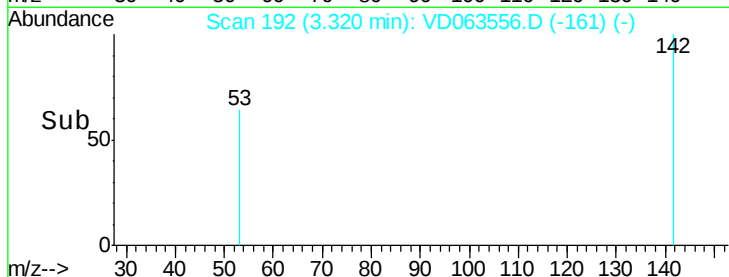
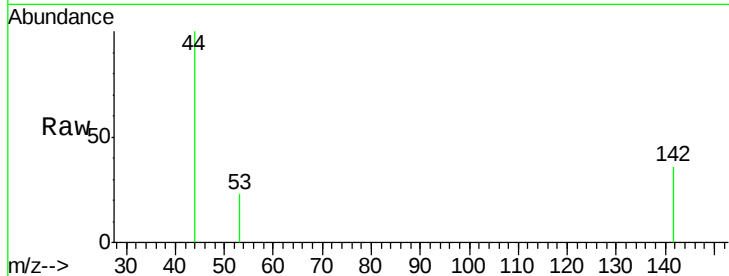




#10
Methvl Iodide
Concen: 7.276 ug/l
RT: 3.32 min Scan# 192
Delta R.T. 0.01 min
Lab File: VD063556.D
Acq: 14 Aug 2019 6:12

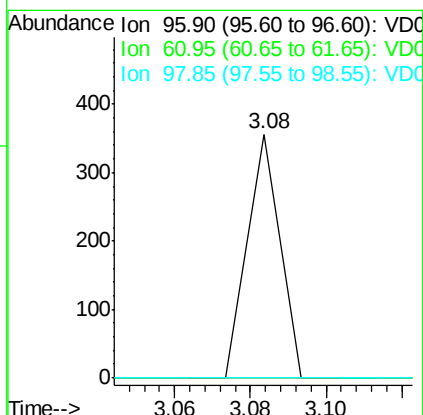
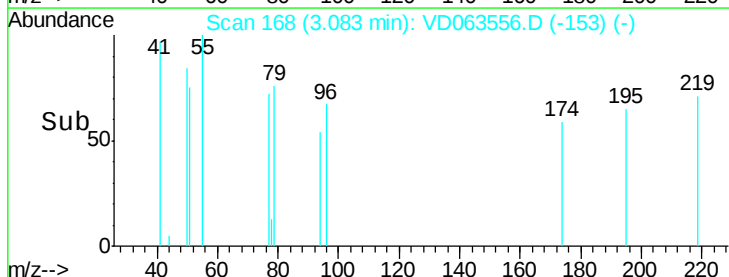
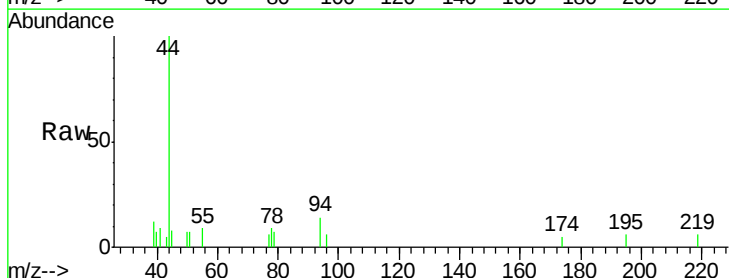
Instrument :
MSVOA_D
ClientSampleId :
T8-E1-(4)

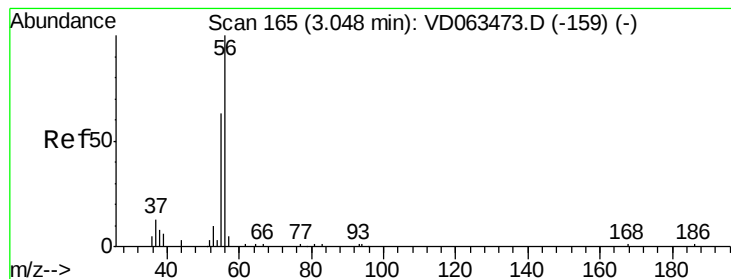
Tot Ion:142 Resp: 533
Ion Ratio Lower Upper
142 100
127 0.0 47.2 70.8#
141 0.0 9.8 14.8#



#12
1,1-Dichloroethene
Concen: 5.455 ug/l
RT: 3.08 min Scan# 168
Delta R.T. -0.05 min
Lab File: VD063556.D
Acq: 14 Aug 2019 6:12

Tgt Ion: 96 Resp: 210
Ion Ratio Lower Upper
96 100
61 0.0 151.7 227.5#
98 0.0 48.4 72.6#





#13

Acrolein

Concen: 94.866 ug/l

RT: 3.10 min Scan# 170

Delta R.T. 0.05 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

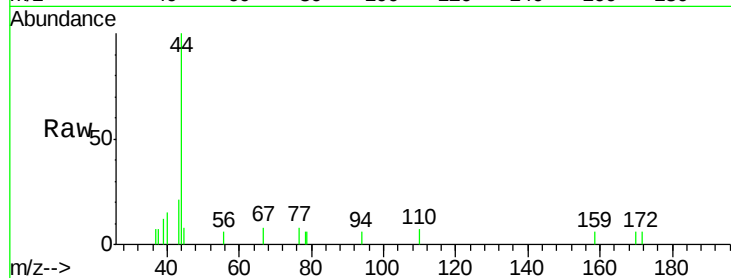
T8-E1-(4)

Tot Ion: 56 Resp: 207

Ion Ratio Lower Upper

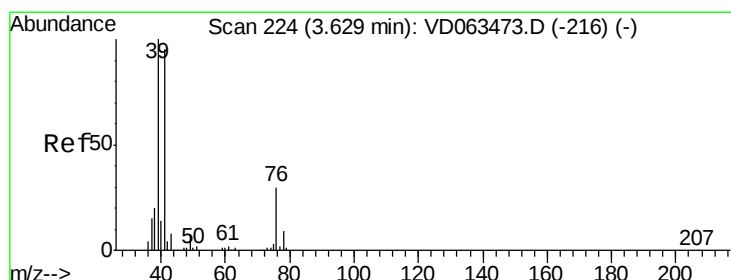
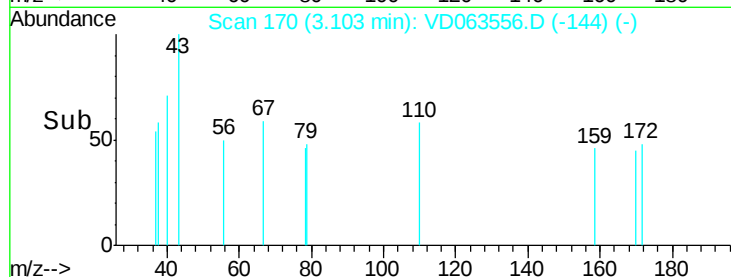
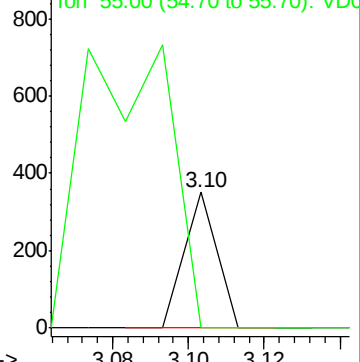
56 100

55 0.0 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.959 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

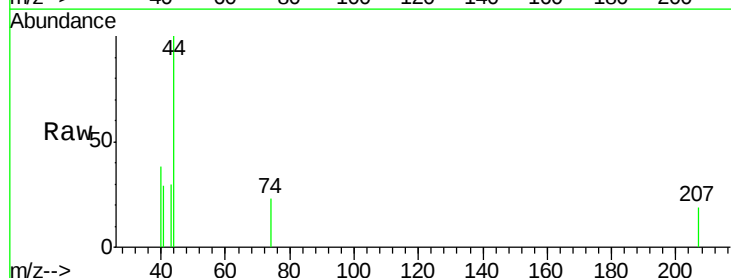
Tgt Ion: 41 Resp: 287

Ion Ratio Lower Upper

41 100

39 0.0 84.2 126.4#

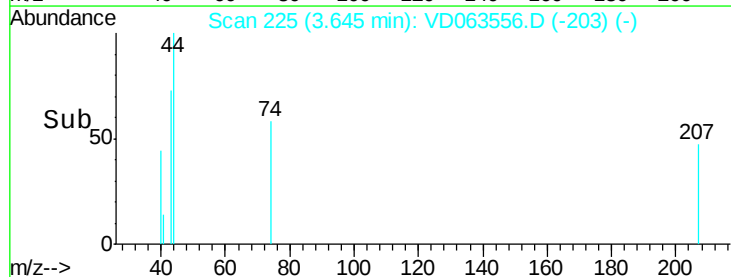
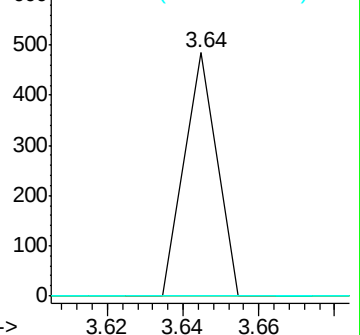
76 0.0 26.0 39.0#

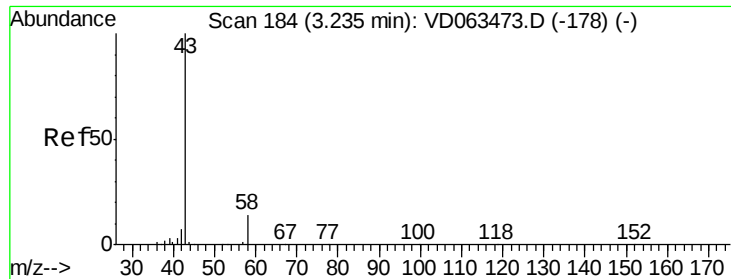


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 2698.965 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

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ClientSampleId :

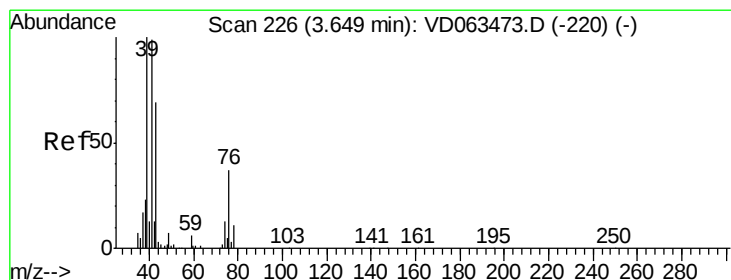
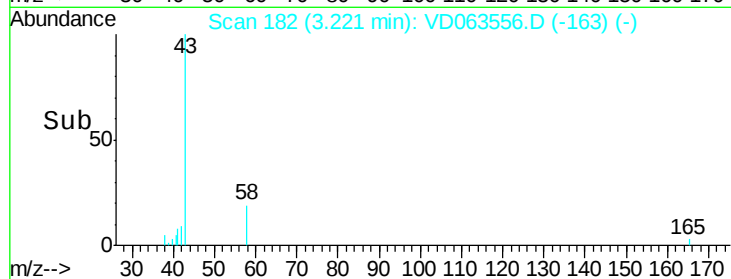
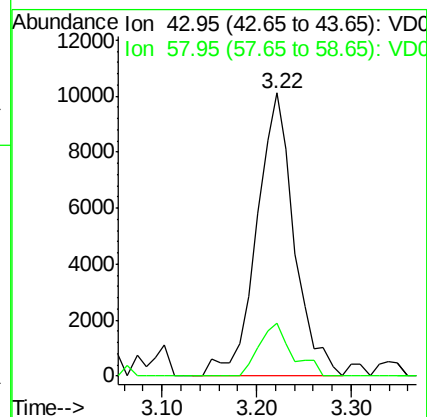
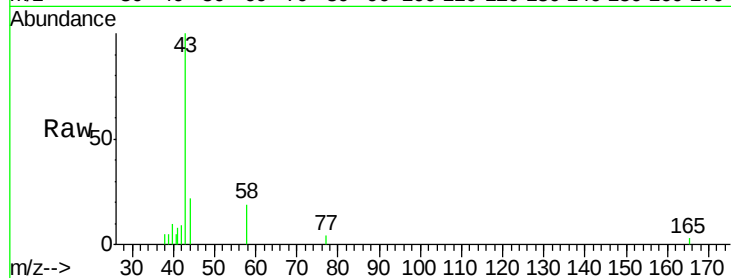
T8-E1-(4)

Tot Ion: 43 Resp: 27939

Ion Ratio Lower Upper

43 100

58 18.9 11.4 17.2#



#18

Methyl Acetate

Concen: 48.553 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD063556.D

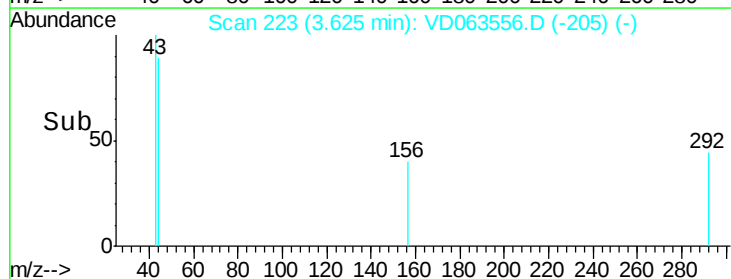
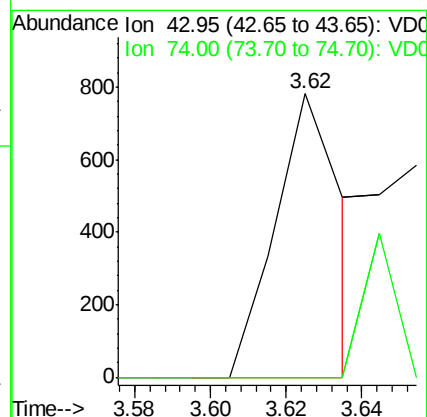
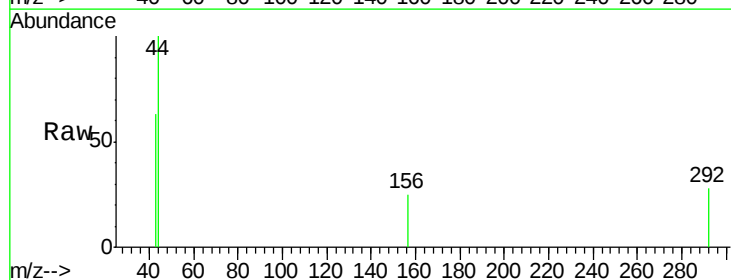
Acq: 14 Aug 2019 6:12

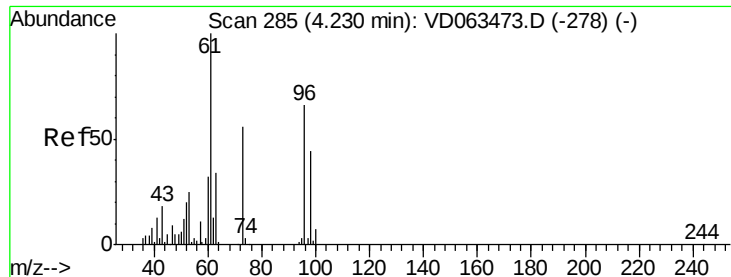
Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

74 0.0 15.4 23.2#





#21

trans-1,2-Dichloroethene

Concen: 4.518 ug/l

RT: 4.28 min Scan# 290

Delta R.T. 0.05 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

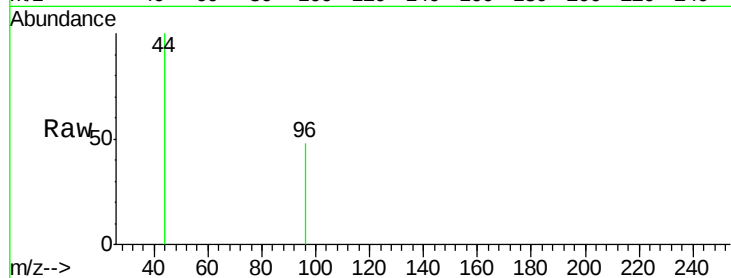
Tot Ion: 96 Resp: 183

Ion Ratio Lower Upper

96 100

61 0.0 121.7 182.5#

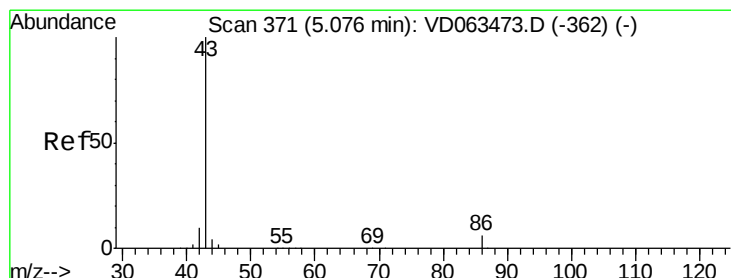
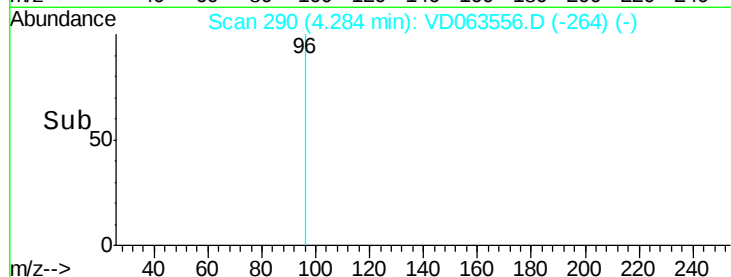
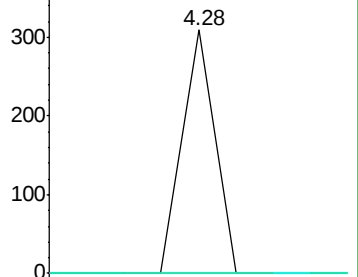
98 0.0 54.2 81.2#



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



#23

Vinyl Acetate

Concen: 2.578 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD063556.D

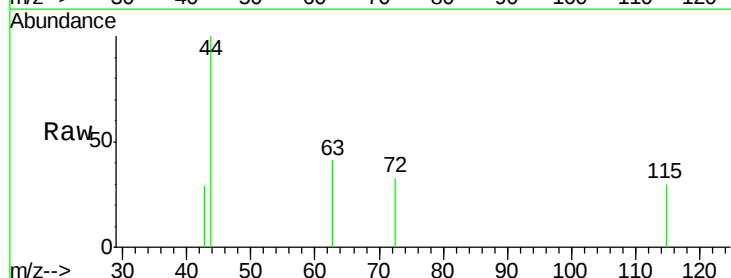
Acq: 14 Aug 2019 6:12

Tgt Ion: 43 Resp: 179

Ion Ratio Lower Upper

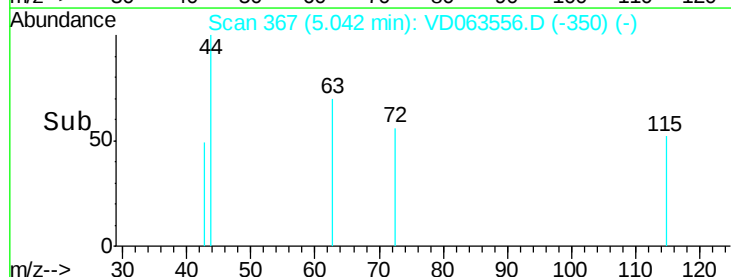
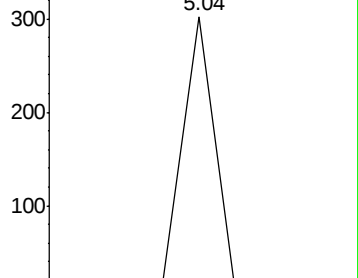
43 100

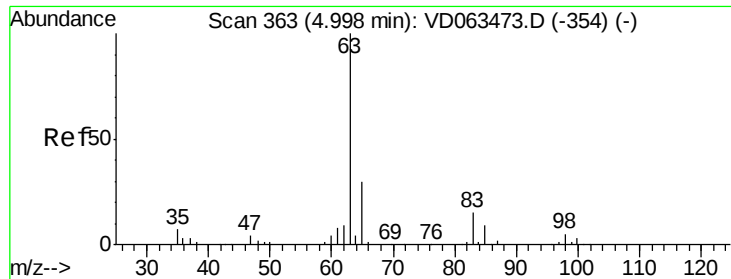
86 0.0 4.8 7.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 3.416 ug/l

RT: 5.04 min Scan# 367

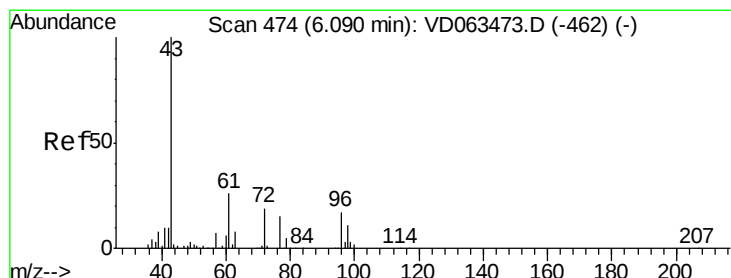
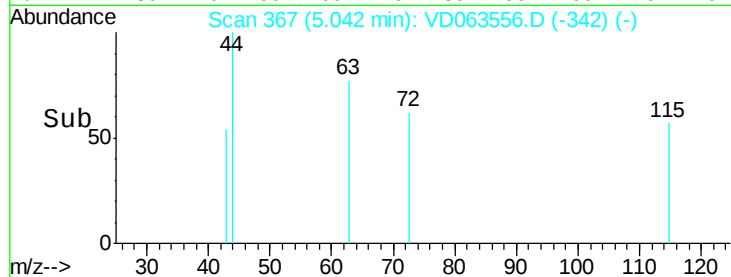
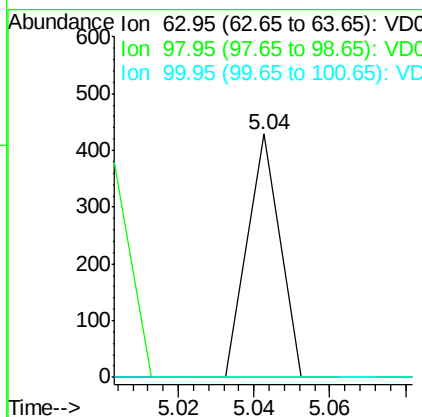
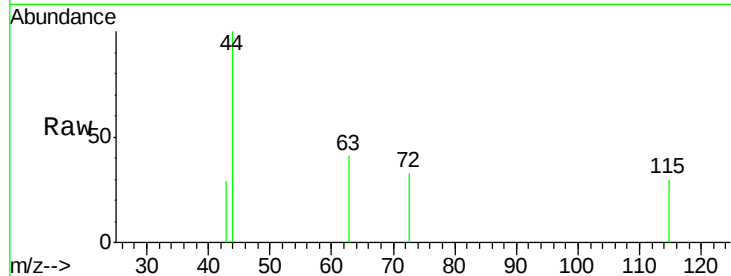
Delta R.T. 0.04 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :
MSVOA_D
ClientSampleId :
T8-E1-(4)

Tot Ion:	63	Resp:	253
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.2#
100	0.0	1.3	3.8#



#25

2-Butanone

Concen: 169.899 ug/l

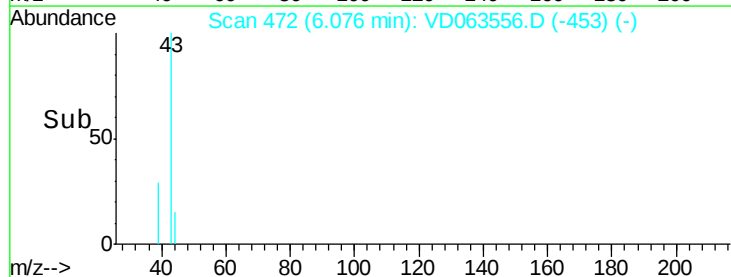
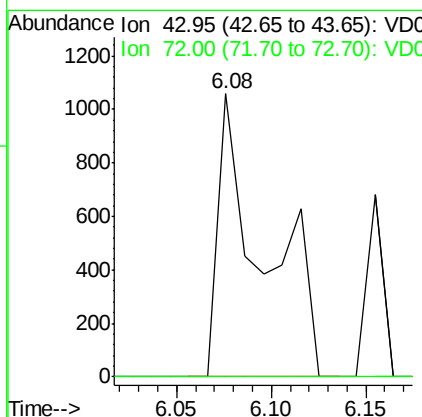
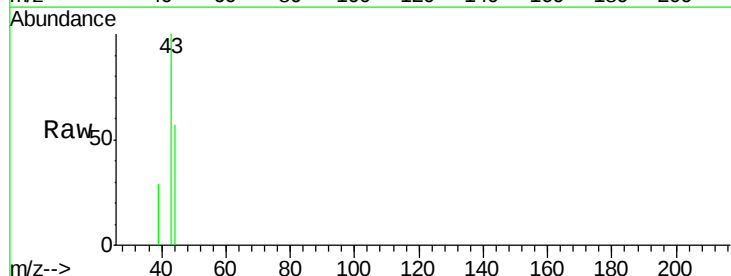
RT: 6.08 min Scan# 472

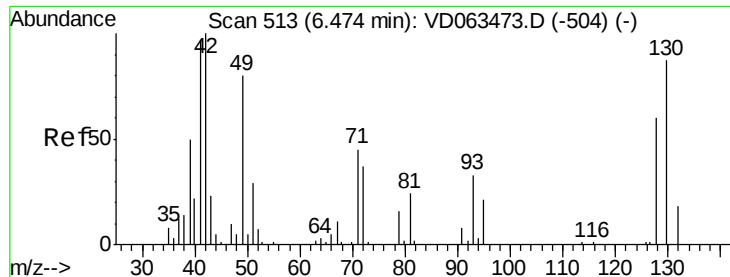
Delta R.T. -0.01 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Tgt Ion:	43	Resp:	1737
Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.1	22.7#





#29

Tetrahydrofuran

Concen: 44.710 ug/l

RT: 6.19 min Scan# 484

Delta R.T. -0.28 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

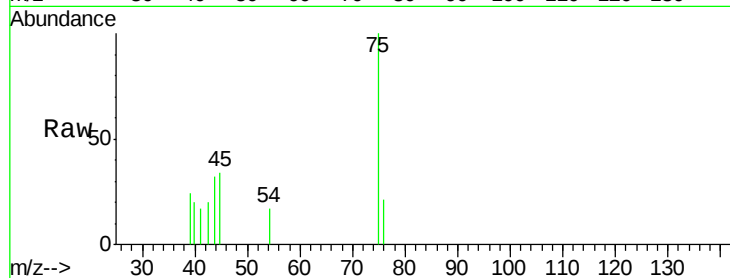
Tot Ion: 42 Resp: 213

Ion Ratio Lower Upper

42 100

72 87.8 31.5 47.3#

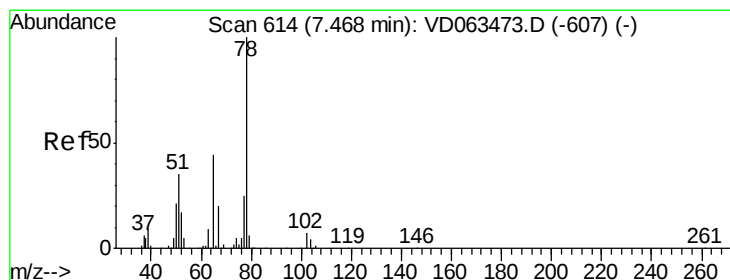
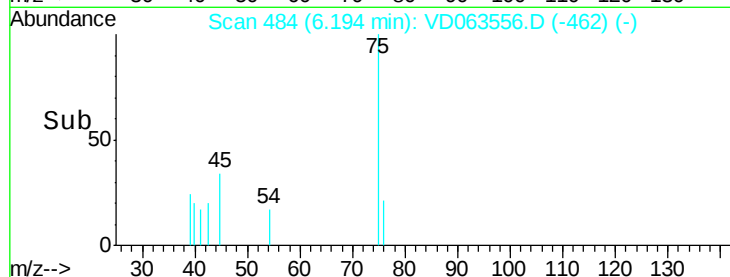
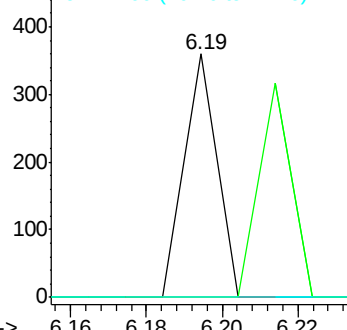
71 0.0 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 166.937 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD063556.D

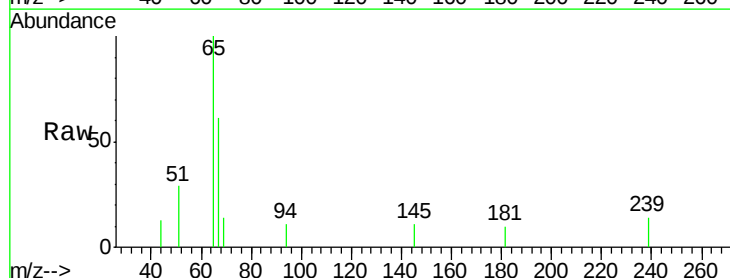
Acq: 14 Aug 2019 6:12

Tgt Ion: 65 Resp: 8501

Ion Ratio Lower Upper

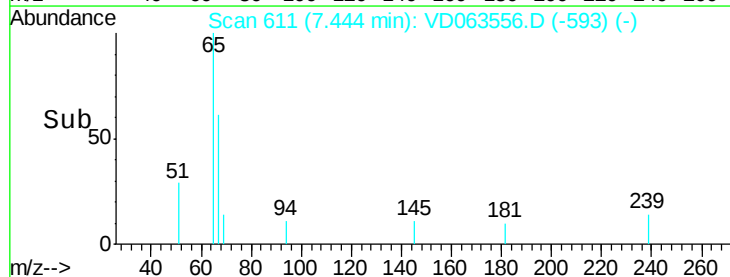
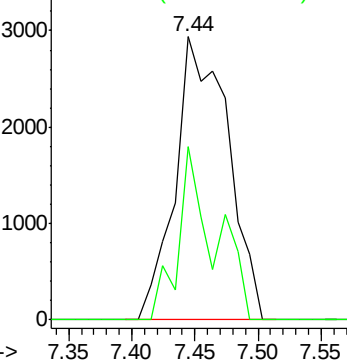
65 100

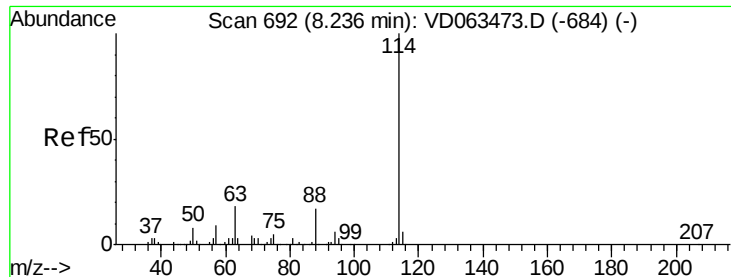
67 61.3 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

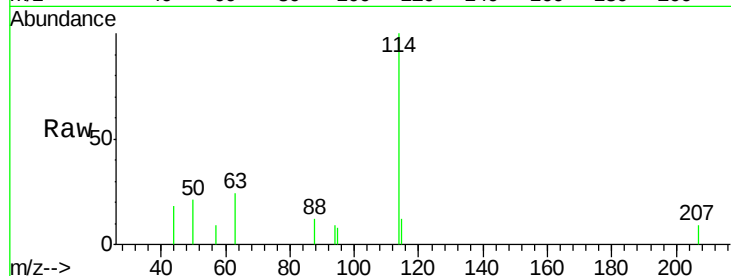
Tot Ion:114 Resp: 10574

Ion Ratio Lower Upper

114 100

63 23.6 0.0 36.2

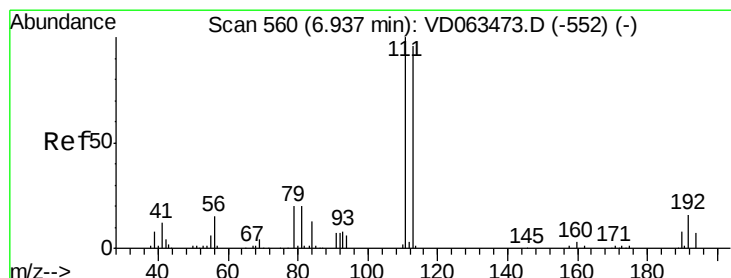
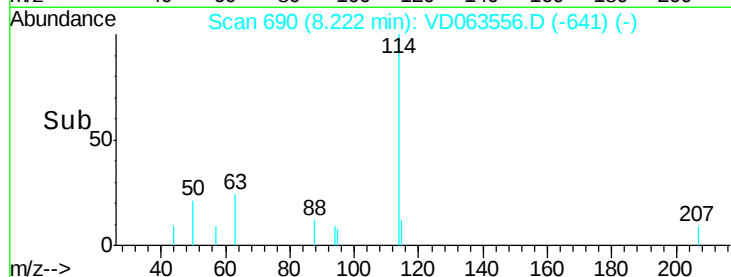
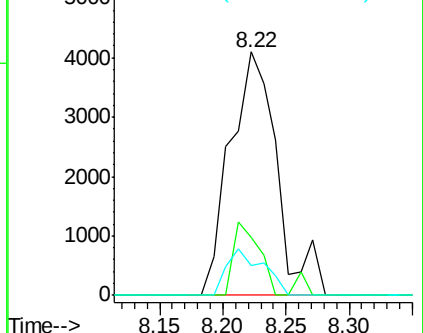
88 12.2 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 45.927 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

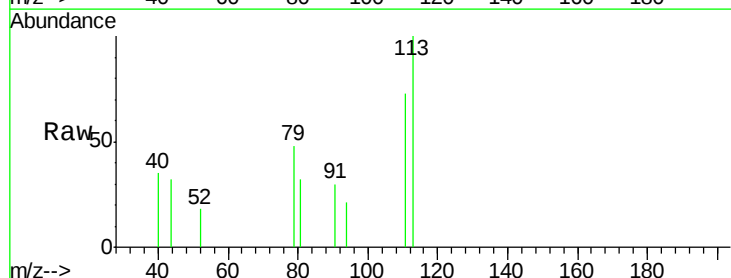
Tgt Ion:113 Resp: 4090

Ion Ratio Lower Upper

113 100

111 72.5 83.1 124.7#

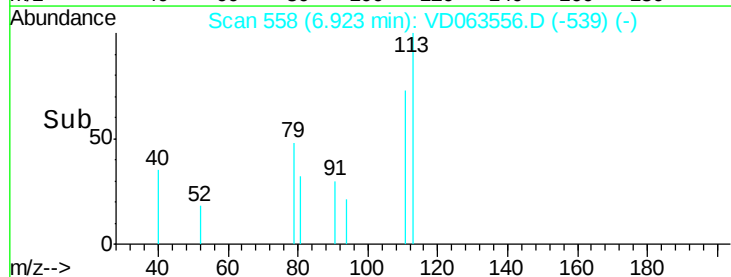
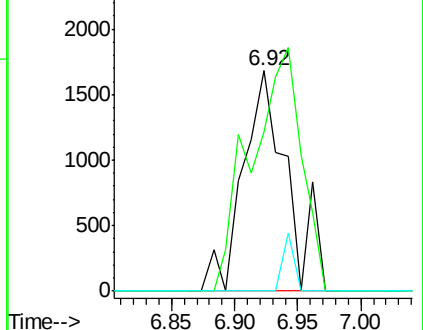
192 0.0 13.1 19.7#

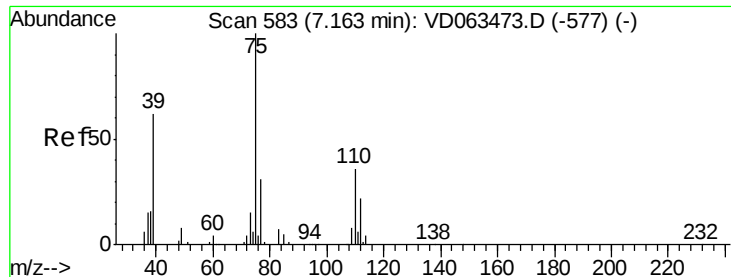


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

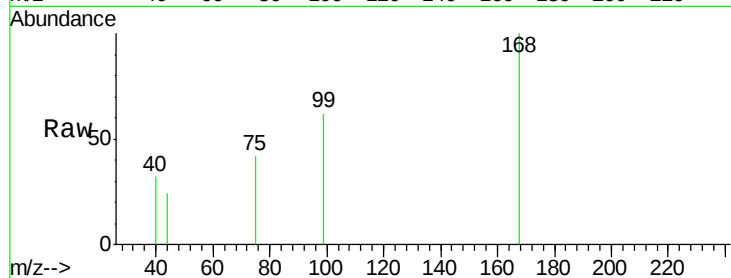
Tot Ion: 75 Resp: 441

Ion Ratio Lower Upper

75 100

110 0.0 17.6 52.8#

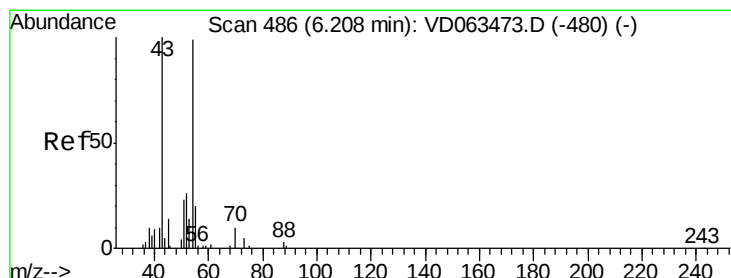
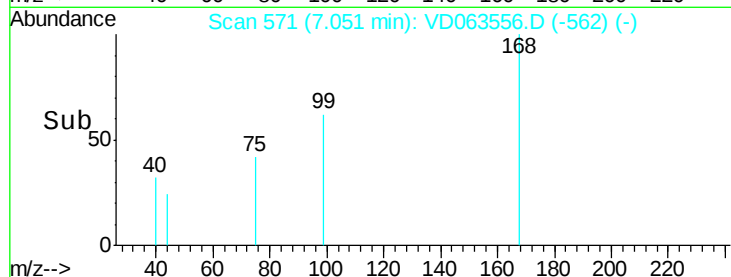
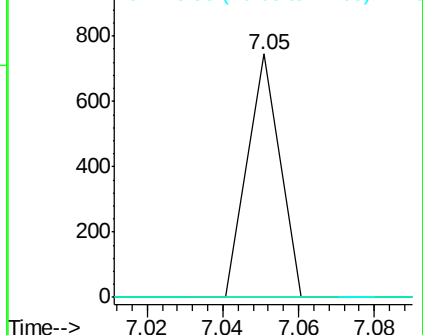
77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 4.876 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.02 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

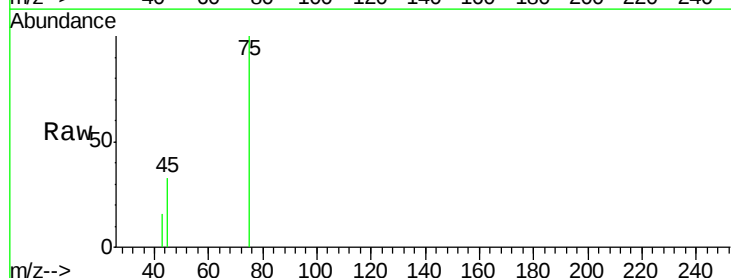
Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

61 0.0 9.0 13.6#

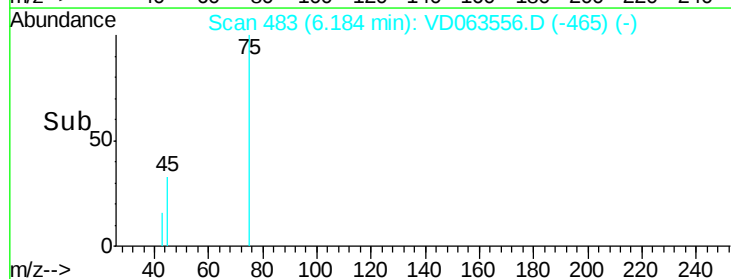
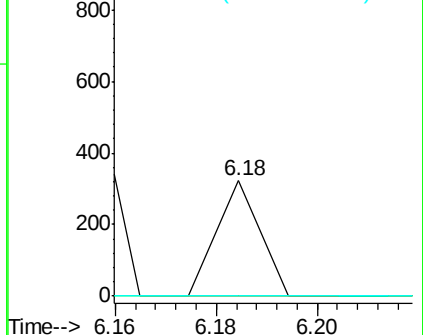
70 0.0 6.9 10.3#

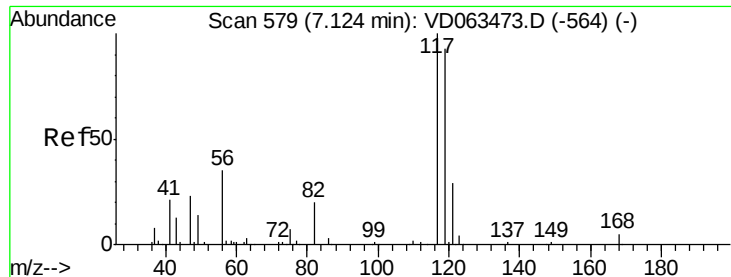


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 4.763 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

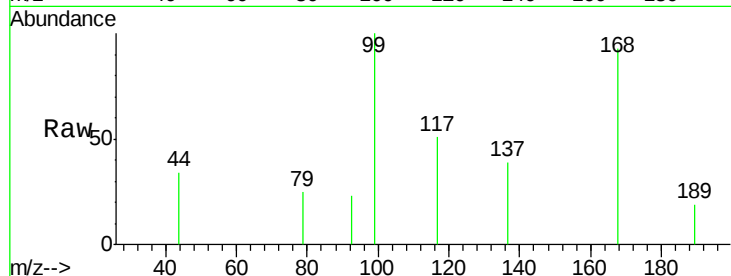
Tot Ion:117 Resp: 671

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

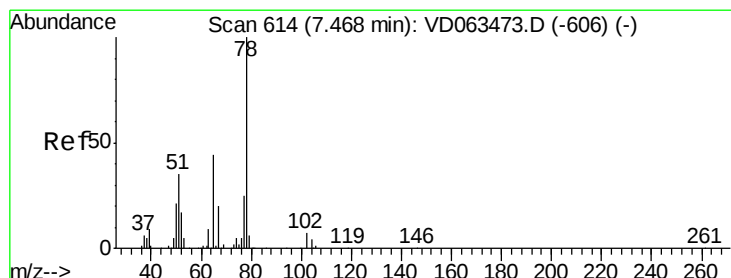
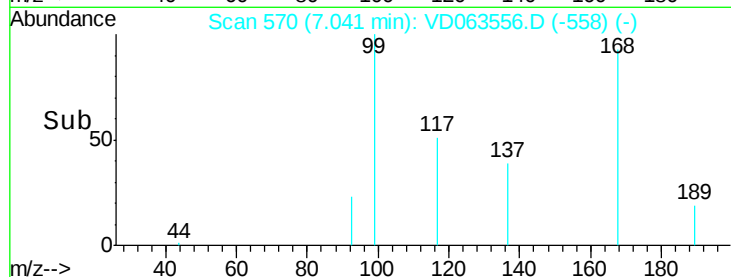
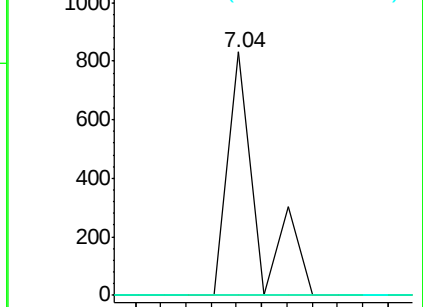
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#40

Benzene

Concen: 1.065 ug/l

RT: 7.41 min Scan# 607

Delta R.T. -0.06 min

Lab File: VD063556.D

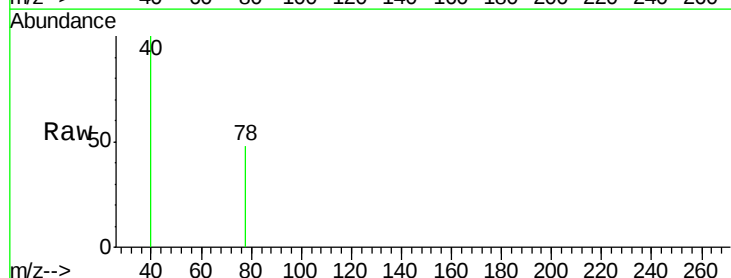
Acq: 14 Aug 2019 6:12

Tgt Ion: 78 Resp: 219

Ion Ratio Lower Upper

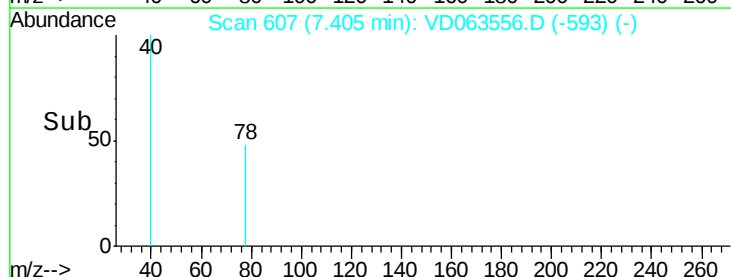
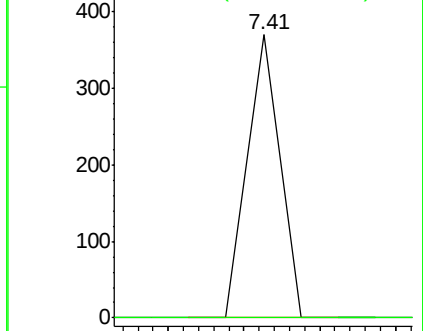
78 100

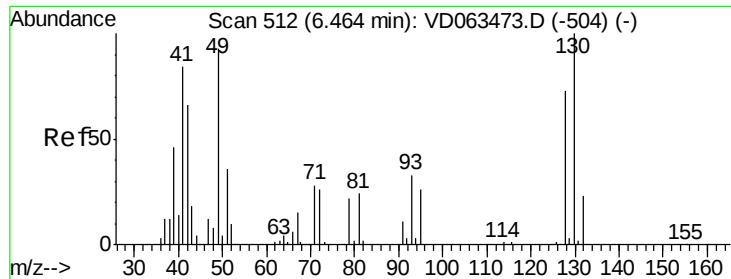
77 0.0 20.1 30.1#



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V





#41

Methacrylonitrile

Concen: 4.015 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

Tot Ion: 41 Resp: 198

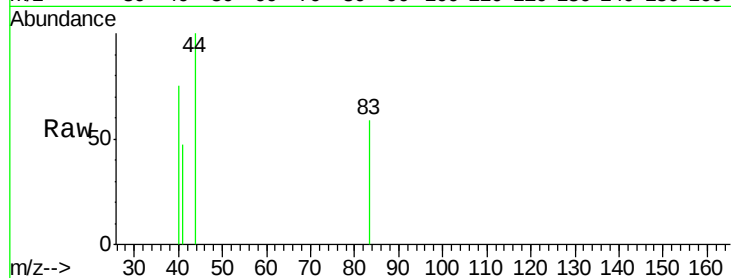
Ion Ratio Lower Upper

41 100

39 0.0 44.6 66.8#

67 0.0 14.4 21.6#

52 0.0 9.3 13.9#

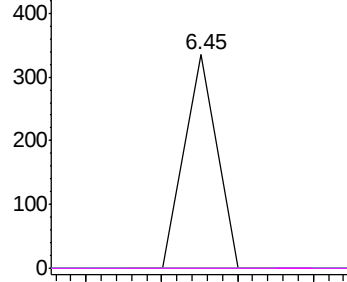


Abundance Ion 40.95 (40.65 to 41.65): VDC

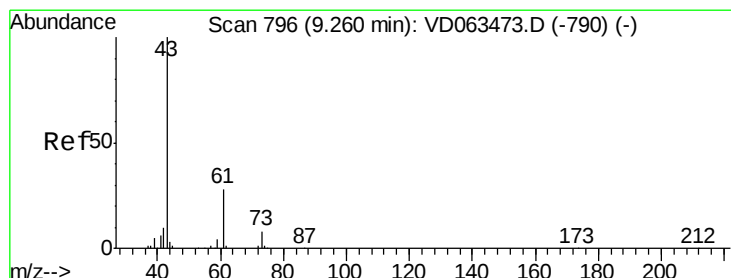
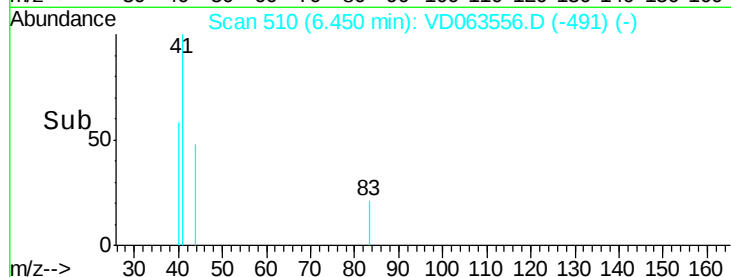
Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



Time-->



#43

Isopropyl Acetate

Concen: 3.488 ug/l

RT: 9.43 min Scan# 813

Delta R.T. 0.17 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

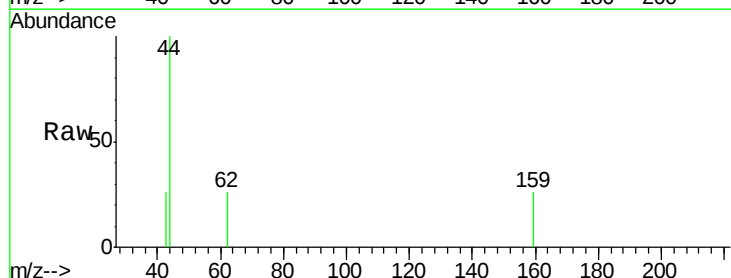
Tgt Ion: 43 Resp: 183

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.2#

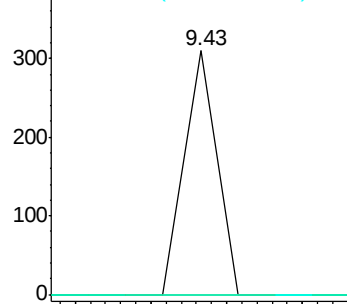
87 0.0 0.2 0.4#



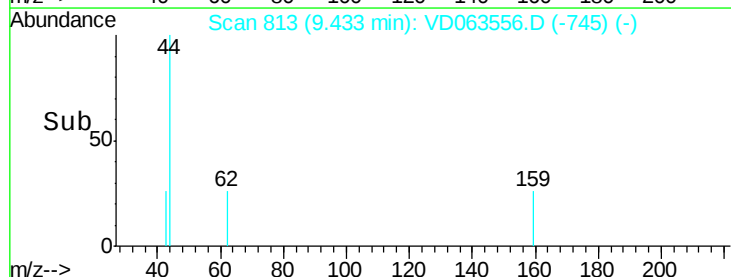
Abundance Ion 42.95 (42.65 to 43.65): VDC

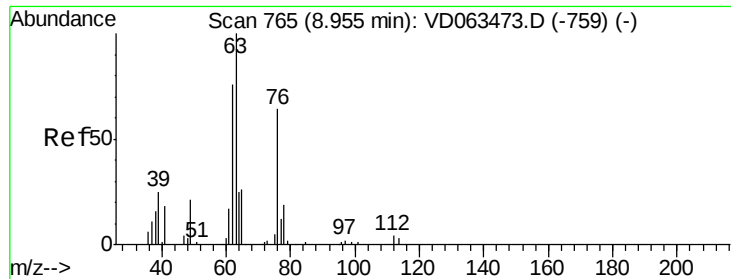
Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



Time-->





#45

1,2-Dichloropropane

Concen: 4.801 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.12 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

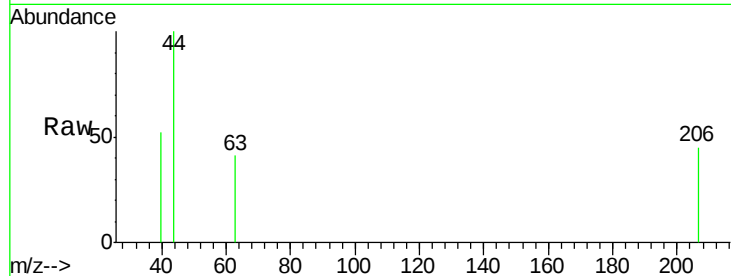
T8-E1-(4)

Tot Ion: 63 Resp: 230

Ion Ratio Lower Upper

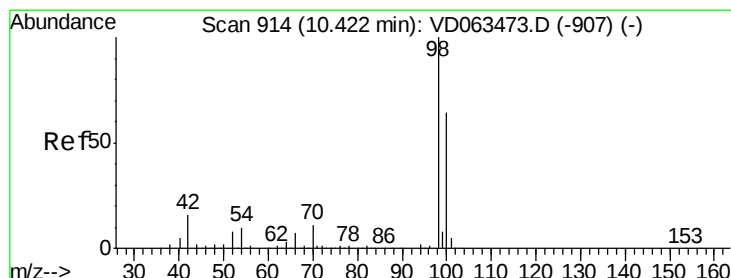
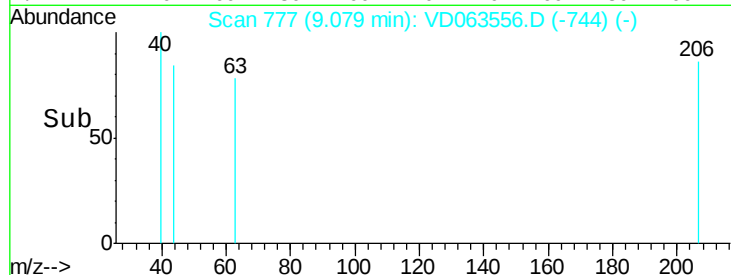
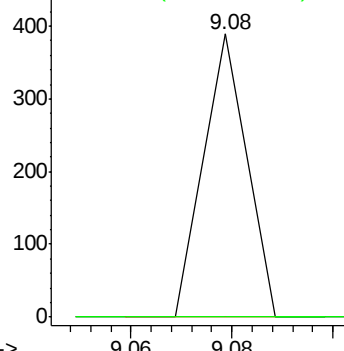
63 100

65 0.0 22.5 33.7#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#50

Toluene-d8

Concen: 35.645 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063556.D

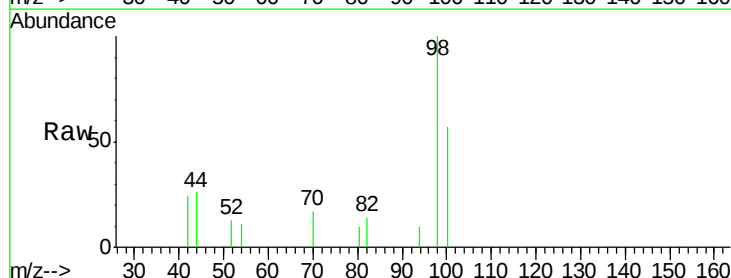
Acq: 14 Aug 2019 6:12

Tgt Ion: 98 Resp: 6979

Ion Ratio Lower Upper

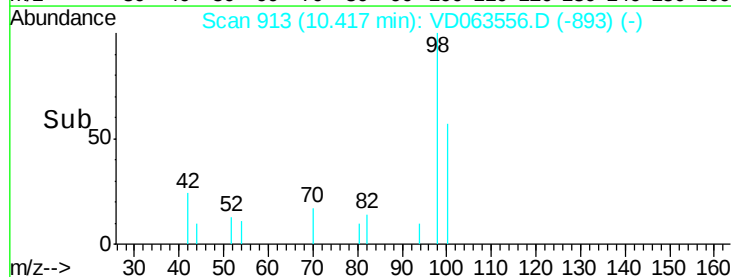
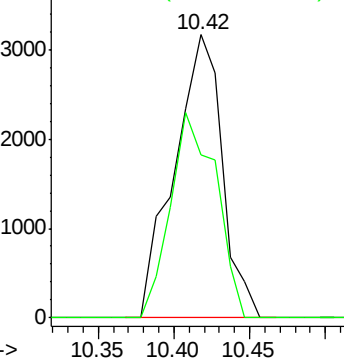
98 100

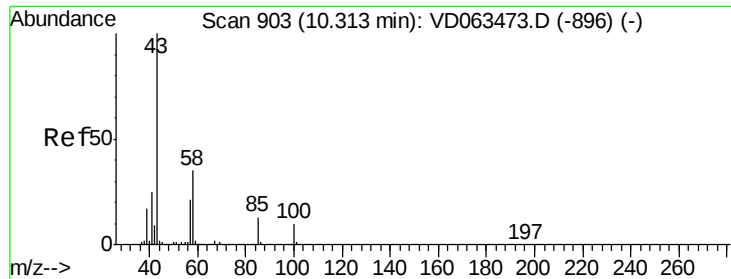
100 57.4 51.7 77.5



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: 5.098 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

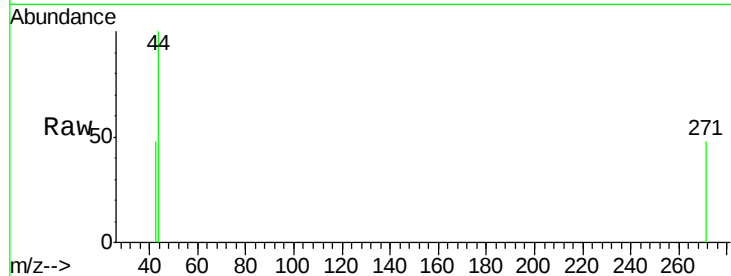
T8-E1-(4)

Tot Ion: 43 Resp: 183

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

300

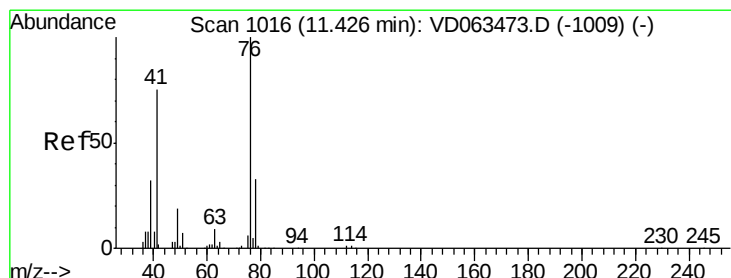
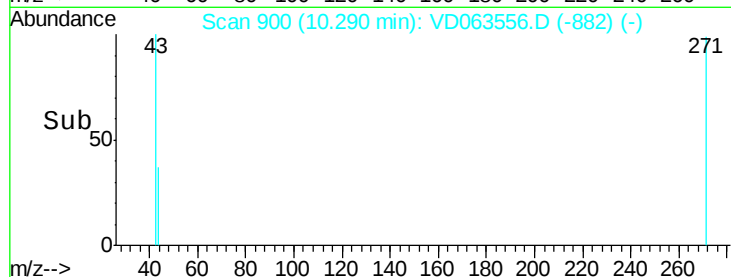
200

100

0

10.26 10.28 10.30 10.32

Time-->



#57

1,3-Dichloropropane

Concen: 3.045 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD063556.D

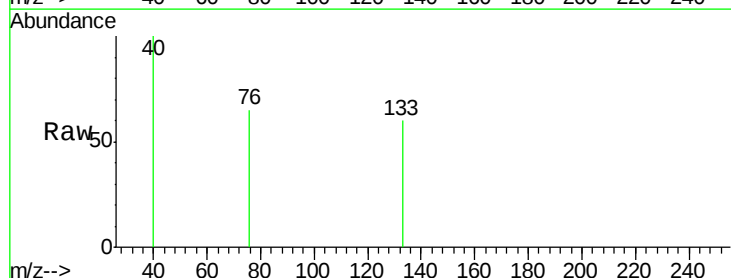
Acq: 14 Aug 2019 6:12

Tgt Ion: 76 Resp: 206

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

400

300

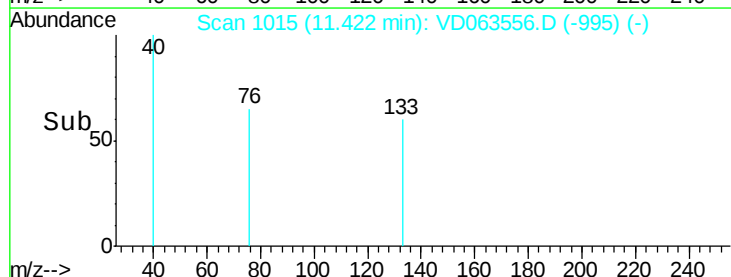
200

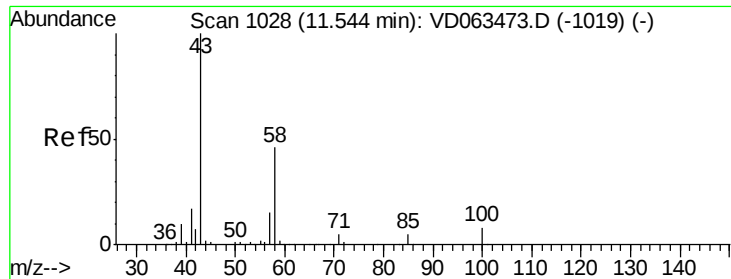
100

0

11.40 11.42 11.44

Time-->

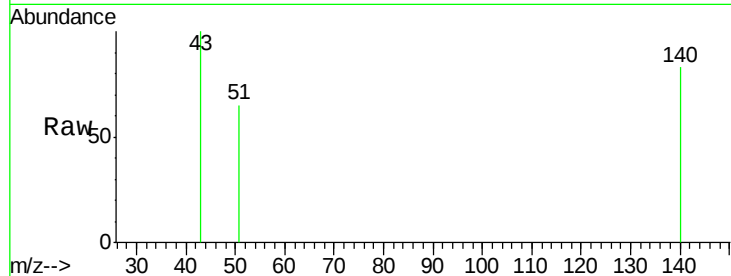




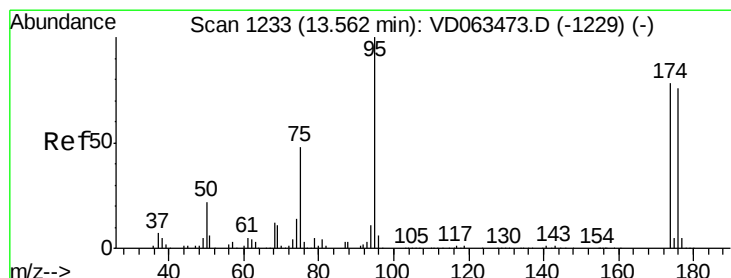
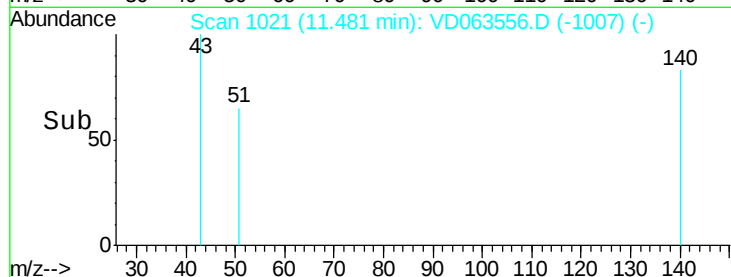
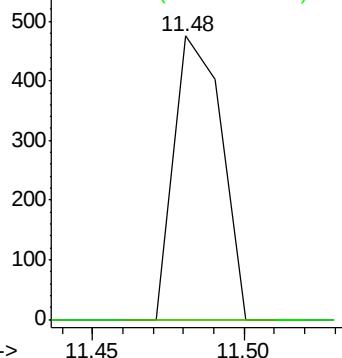
#59
2-Hexanone
Concen: 19.832 ug/l
RT: 11.48 min Scan# 1021
Delta R.T. -0.06 min
Lab File: VD063556.D
Acq: 14 Aug 2019 6:12

Instrument :
MSVOA_D
ClientSampleId :
T8-E1-(4)

Tot Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
58 0.0 23.1 69.2#

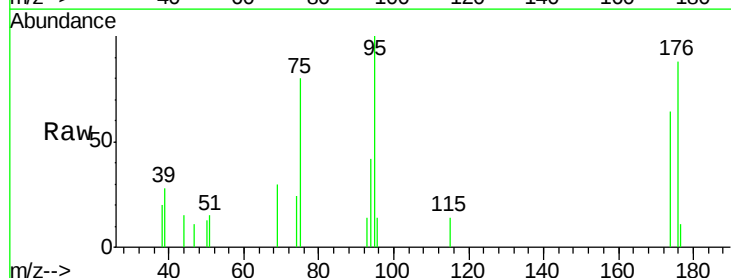


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

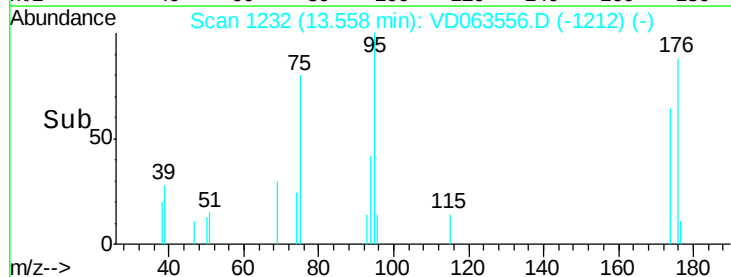
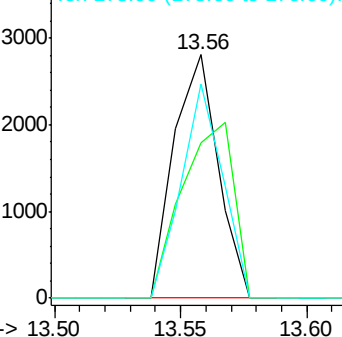


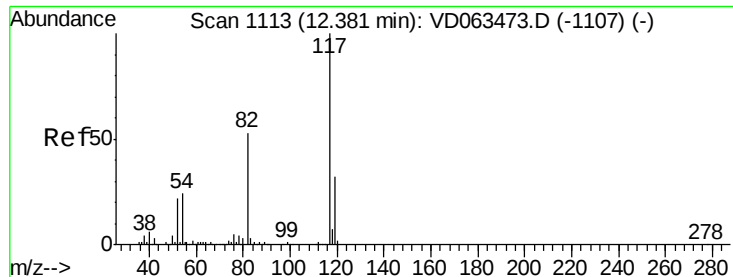
#62
4-Bromofluorobenzene
Concen: 38.460 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063556.D
Acq: 14 Aug 2019 6:12

Tgt Ion: 95 Resp: 3413
Ion Ratio Lower Upper
95 100
174 56.1 0.0 155.4
176 87.4 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

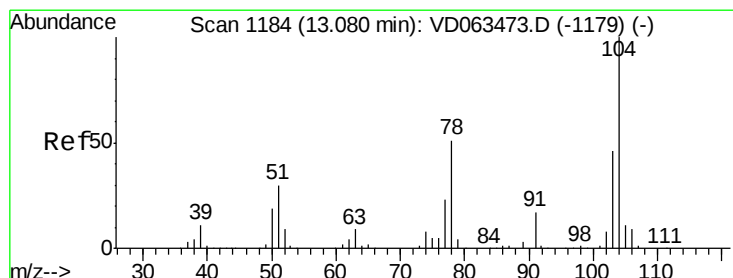
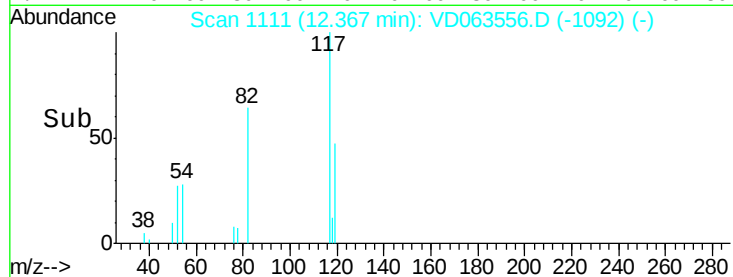
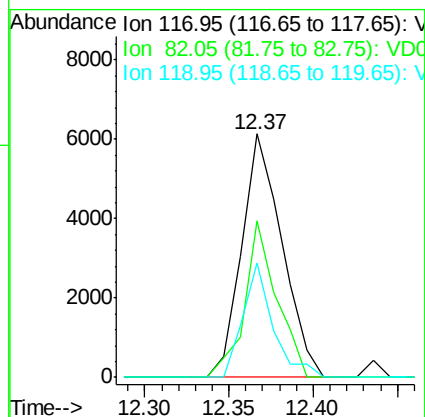
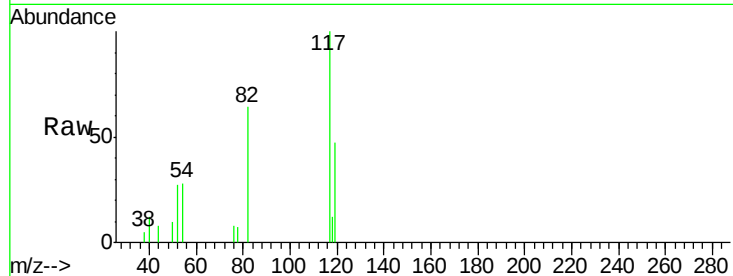




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063556.D
Acq: 14 Aug 2019 6:12

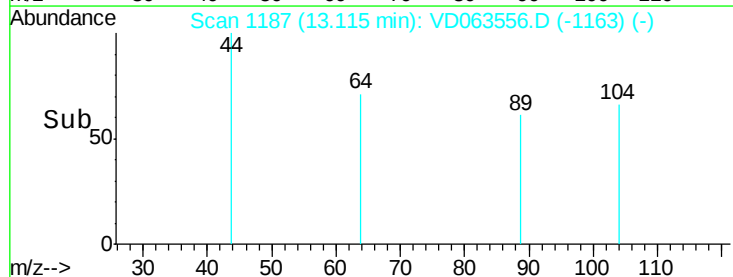
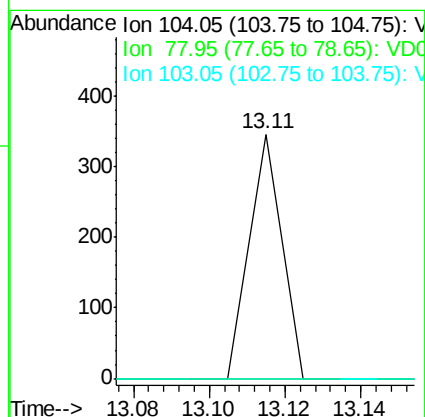
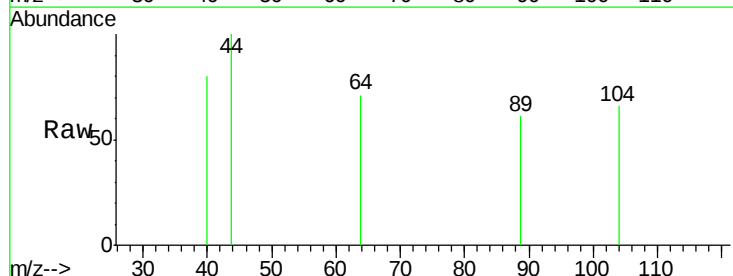
Instrument :
MSVOA_D
ClientSampleId :
T8-E1-(4)

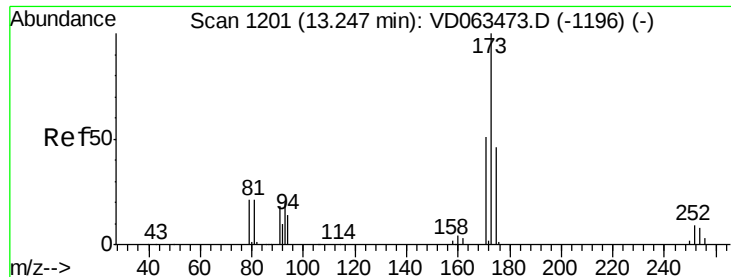
Tot Ion:117 Resp: 10193
Ion Ratio Lower Upper
117 100
82 64.4 42.0 63.0#
119 47.2 25.4 38.0#



#70
Styrene
Concen: 1.021 ug/l
RT: 13.11 min Scan# 1187
Delta R.T. 0.04 min
Lab File: VD063556.D
Acq: 14 Aug 2019 6:12

Tgt Ion:104 Resp: 204
Ion Ratio Lower Upper
104 100
78 0.0 40.8 61.2#
103 0.0 36.4 54.6#





#71

Bromoform

Concen: 3.244 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

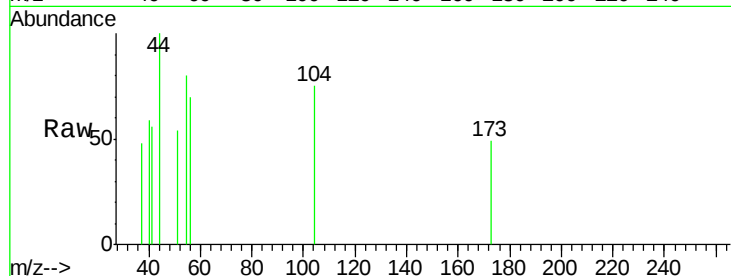
Tot Ion:173 Resp: 187

Ion Ratio Lower Upper

173 100

175 0.0 22.8 68.3#

254 0.0 6.6 9.8#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V

13.22

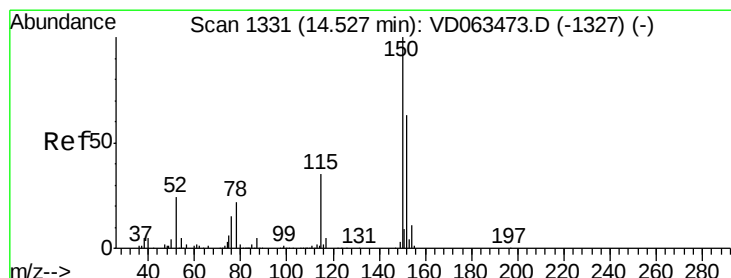
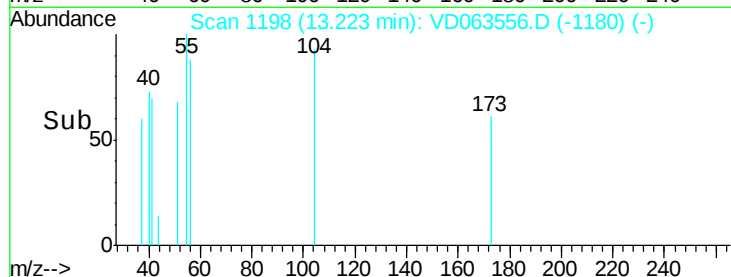
300

200

100

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

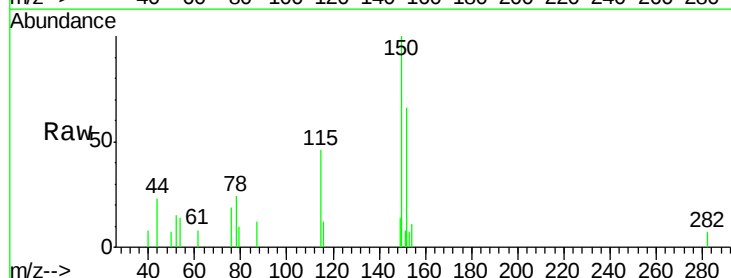
Tgt Ion:152 Resp: 3597

Ion Ratio Lower Upper

152 100

115 88.2 30.9 92.7

150 151.2 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

14.52

5000

4000

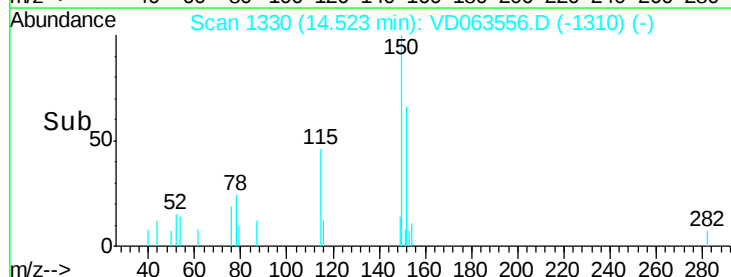
3000

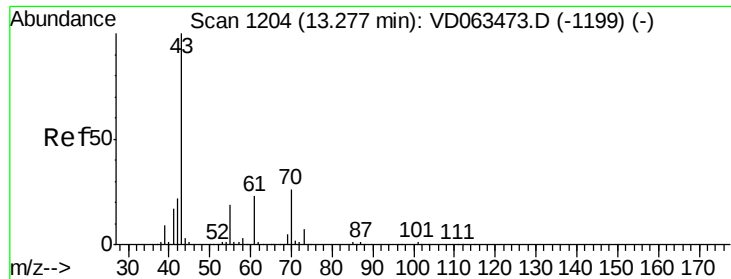
2000

1000

0

Time-->





#74

N-amvl acetate

Concen: 3.622 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

Tot Ion: 43 Resp: 208

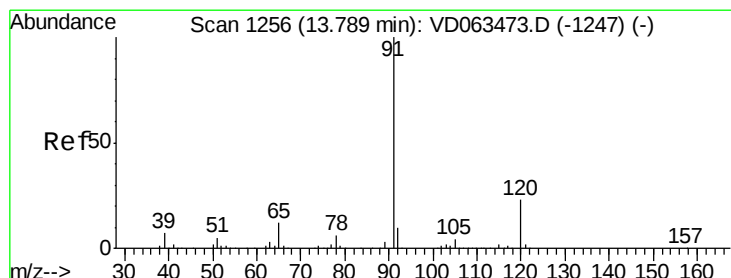
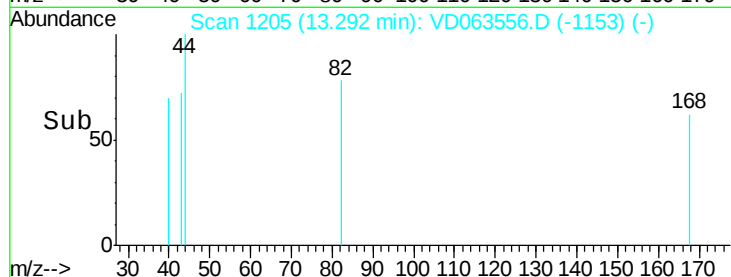
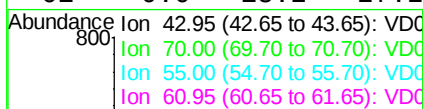
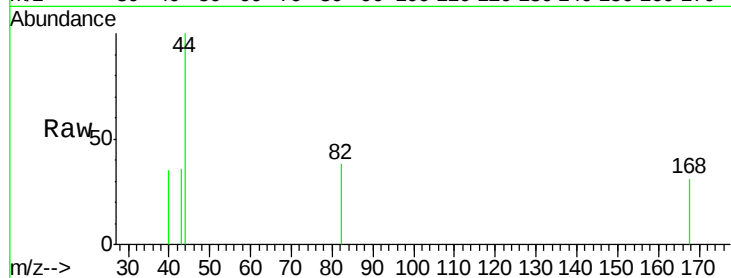
Ion Ratio Lower Upper

43 100

70 0.0 21.1 31.7#

55 0.0 15.4 23.0#

61 0.0 18.2 27.2#



#78

n-propylbenzene

Concen: 2.820 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063556.D

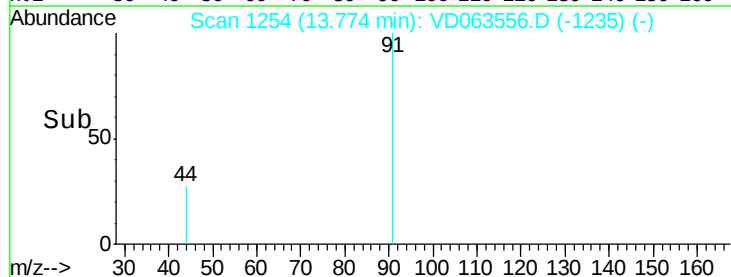
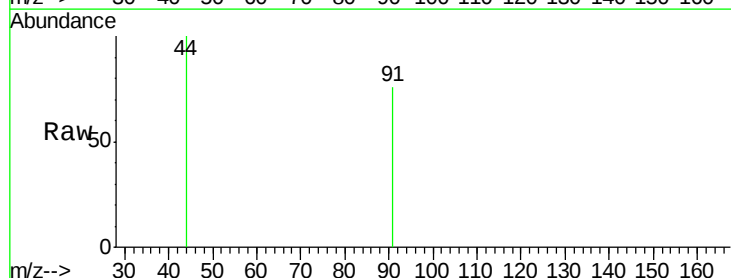
Acq: 14 Aug 2019 6:12

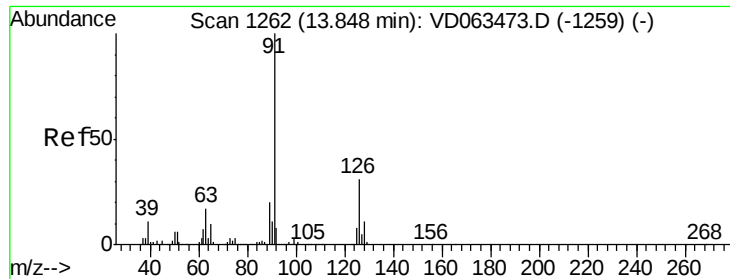
Tgt Ion: 91 Resp: 755

Ion Ratio Lower Upper

91 100

120 0.0 11.3 33.9#





#79

2-Chlorotoluene

Concen: 4.892 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.07 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

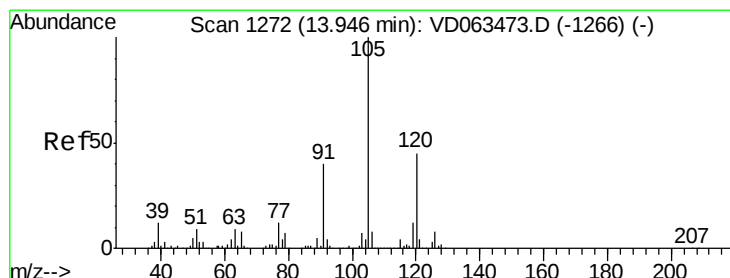
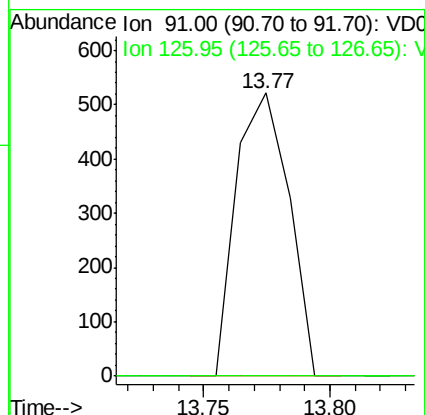
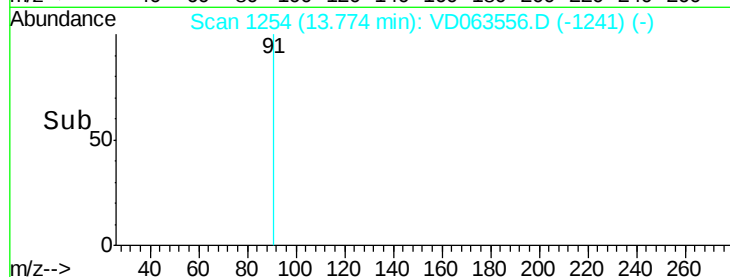
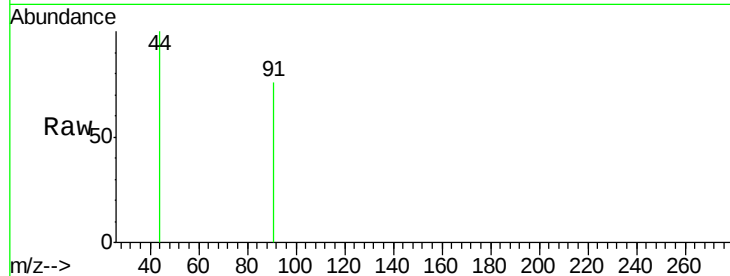
T8-E1-(4)

Tot Ion: 91 Resp: 755

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.7#



#80

1,3,5-Trimethylbenzene

Concen: 1.896 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063556.D

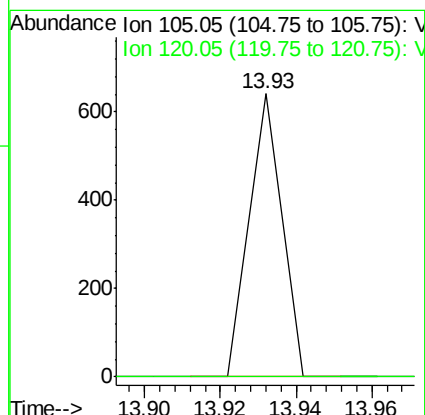
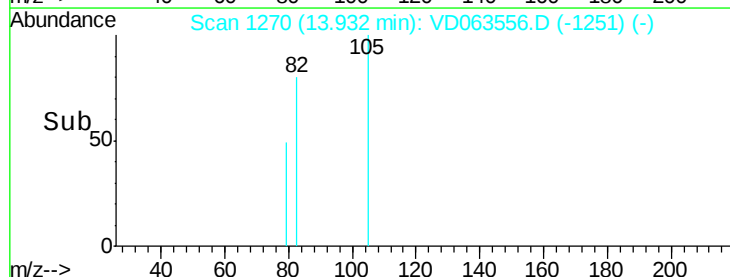
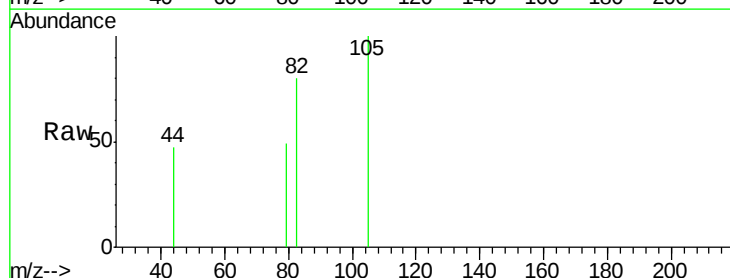
Acq: 14 Aug 2019 6:12

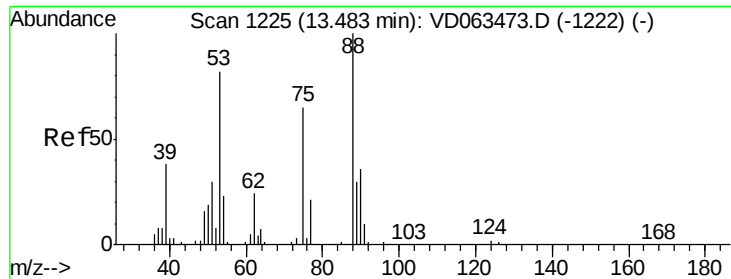
Tgt Ion: 105 Resp: 379

Ion Ratio Lower Upper

105 100

120 0.0 22.8 68.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 186.744 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

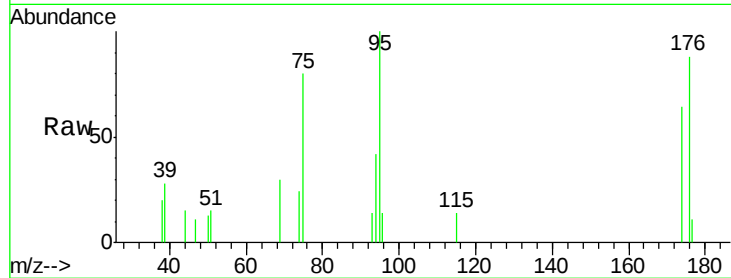
Tot Ion: 75 Resp: 2072

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

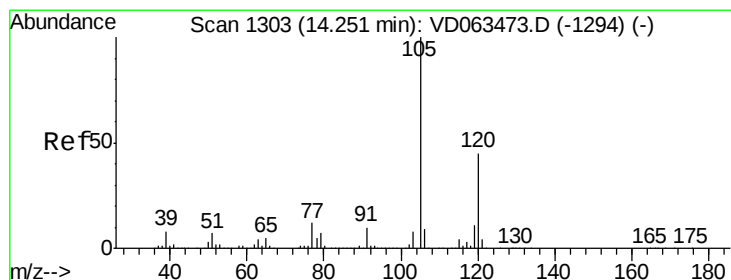
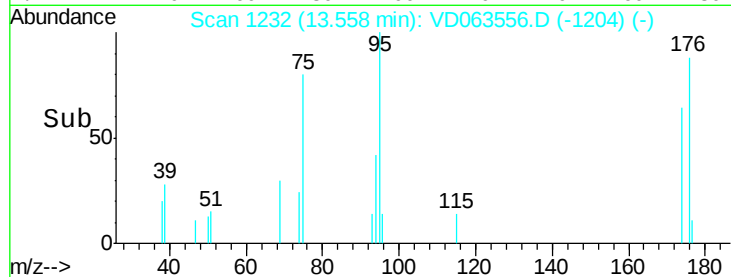
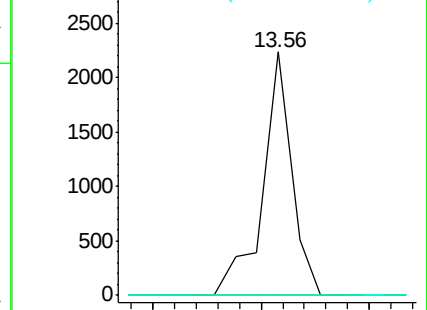
89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#84

1,2,4-Trimethylbenzene

Concen: 2.368 ug/l

RT: 14.25 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD063556.D

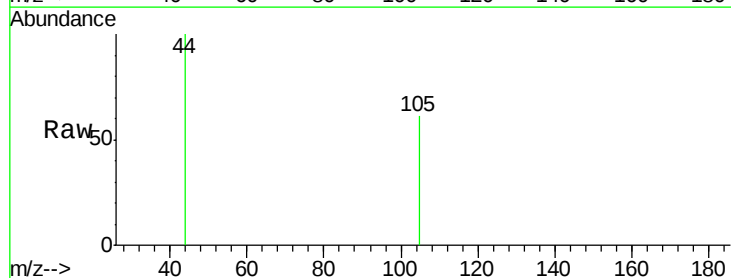
Acq: 14 Aug 2019 6:12

Tgt Ion: 105 Resp: 438

Ion Ratio Lower Upper

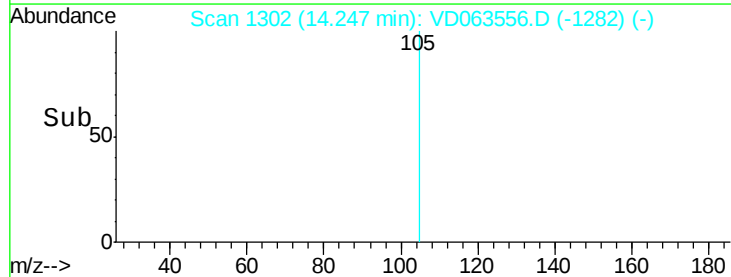
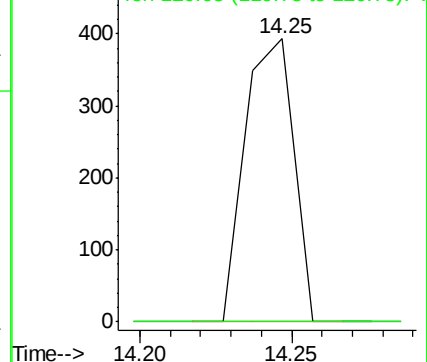
105 100

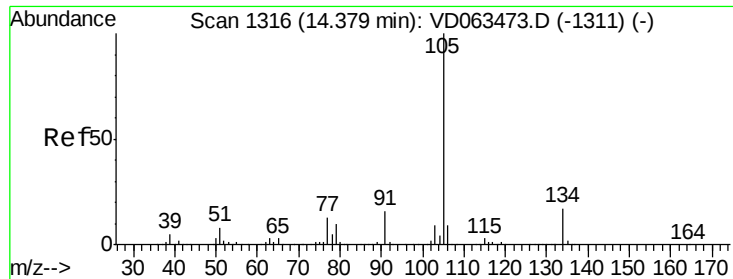
120 0.0 22.7 68.1#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 1.959 ug/l

RT: 14.25 min Scan# 1302

Delta R.T. -0.13 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampled :

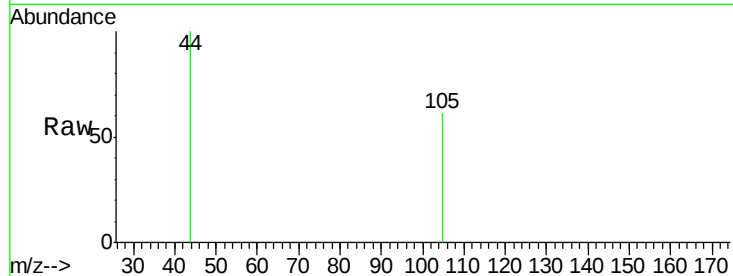
T8-E1-(4)

Tot Ion:105 Resp: 438

Ion Ratio Lower Upper

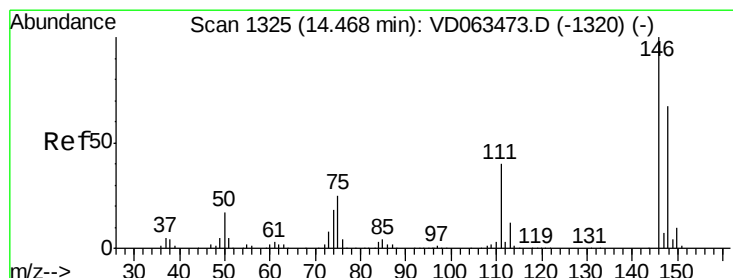
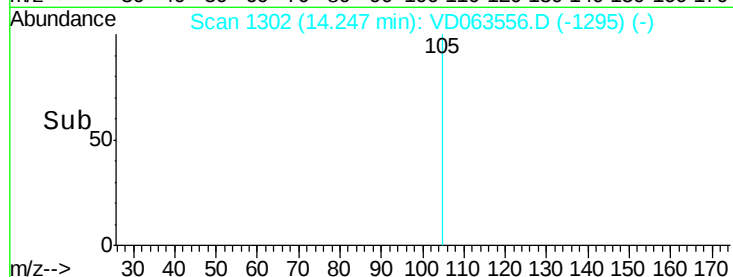
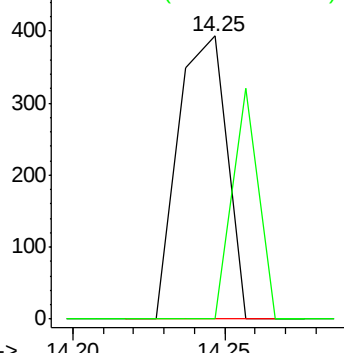
105 100

134 0.0 8.3 24.8#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#87

1,3-Dichlorobenzene

Concen: 5.411 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.07 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

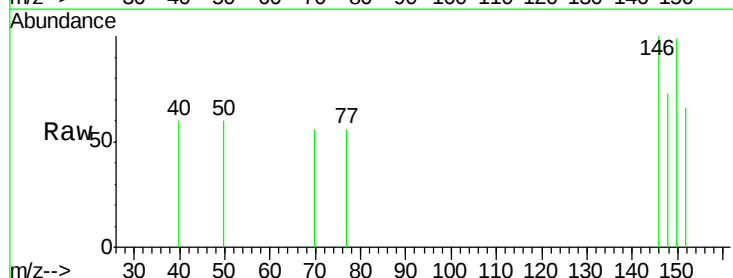
Tgt Ion:146 Resp: 612

Ion Ratio Lower Upper

146 100

111 0.0 20.0 60.0#

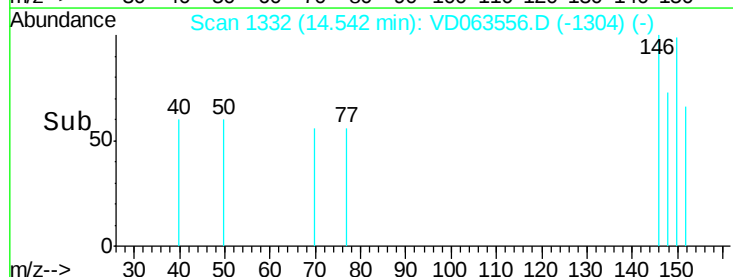
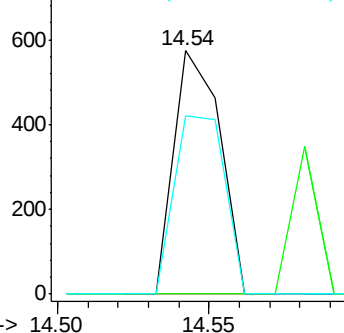
148 73.3 33.6 100.6

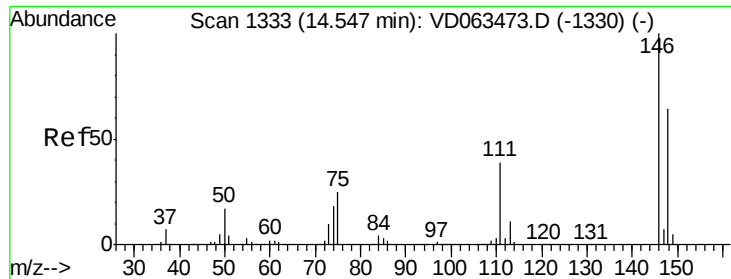


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 5.640 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

T8-E1-(4)

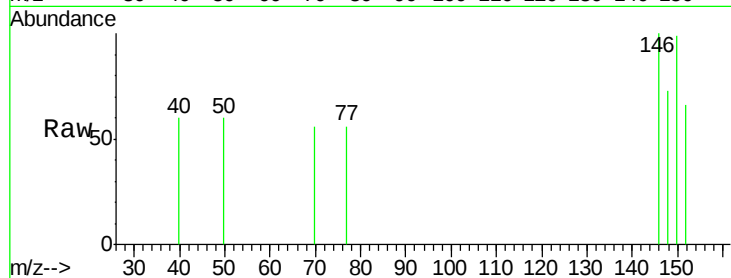
Tot Ion:146 Resp: 612

Ion Ratio Lower Upper

146 100

111 0.0 19.7 59.0#

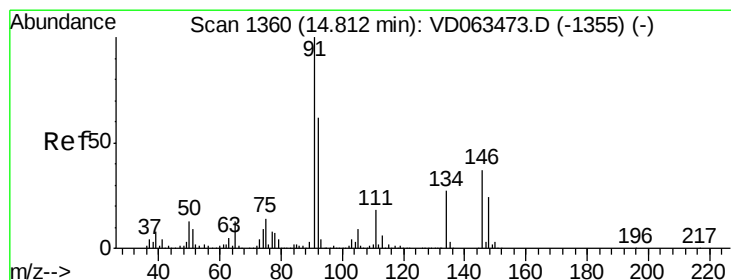
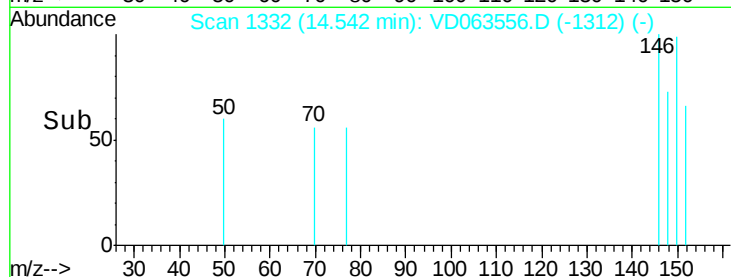
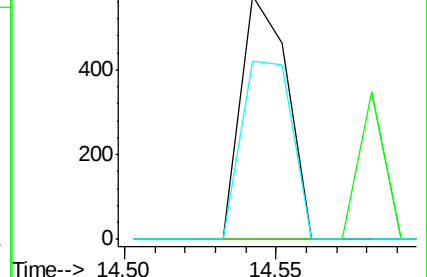
148 73.3 32.1 96.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.041 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

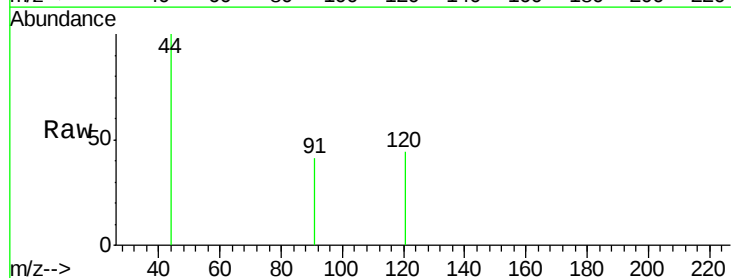
Tgt Ion: 91 Resp: 203

Ion Ratio Lower Upper

91 100

92 0.0 30.8 92.3#

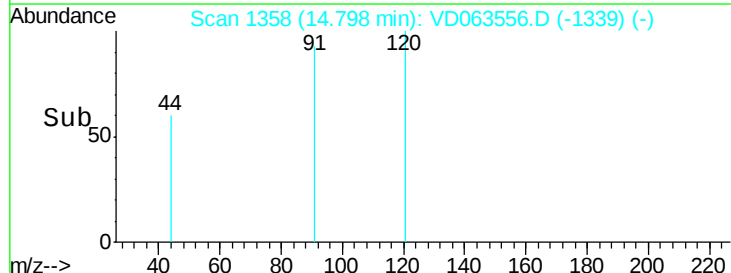
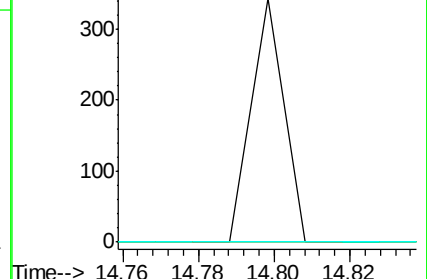
134 0.0 13.4 40.2#

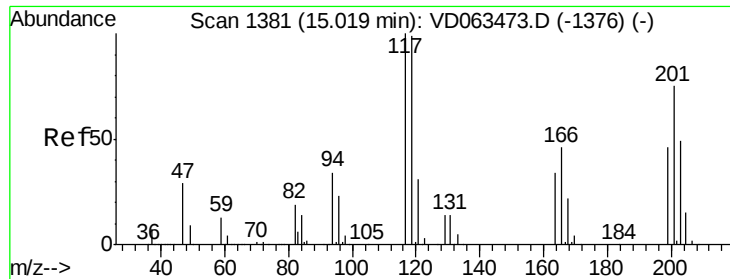


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 3.946 ug/l

RT: 15.13 min Scan# 1392

Delta R.T. 0.11 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

Instrument :

MSVOA_D

ClientSampleId :

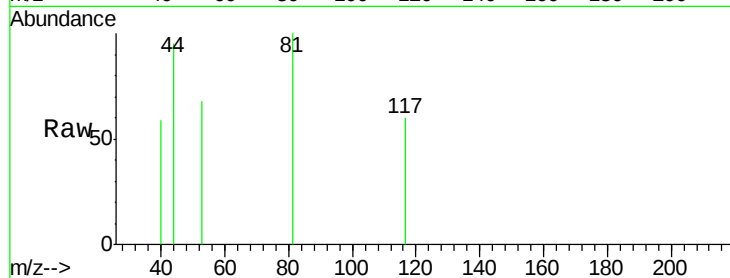
T8-E1-(4)

Tot Ion:117 Resp: 212

Ion Ratio Lower Upper

117 100

201 0.0 37.5 112.5#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.13

400

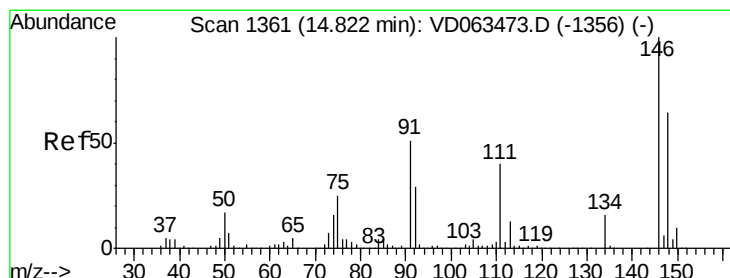
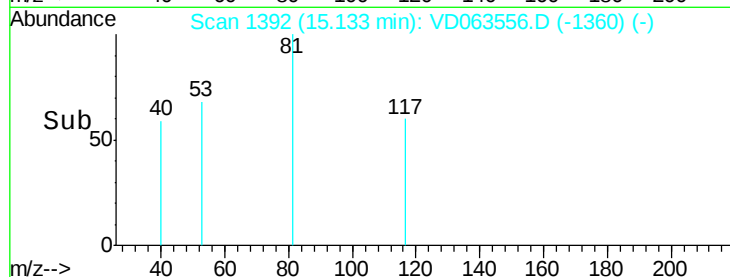
300

200

100

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 5.346 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD063556.D

Acq: 14 Aug 2019 6:12

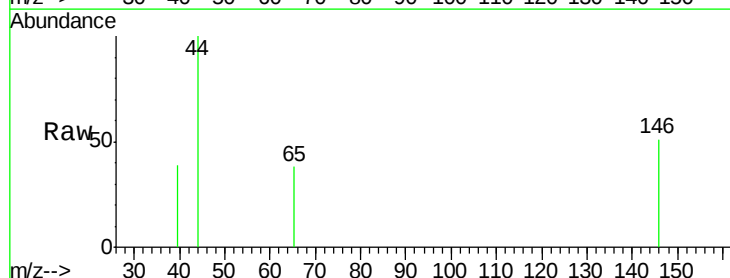
Tgt Ion:146 Resp: 513

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.6#

148 0.0 32.1 96.5#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

14.82

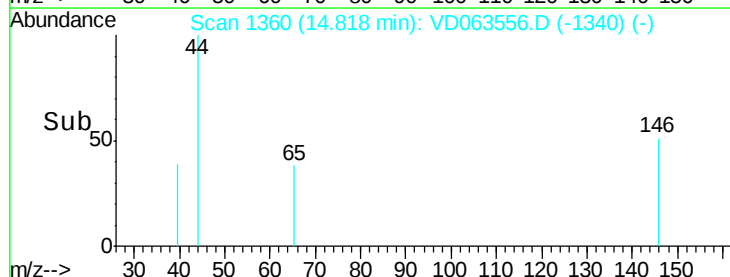
600

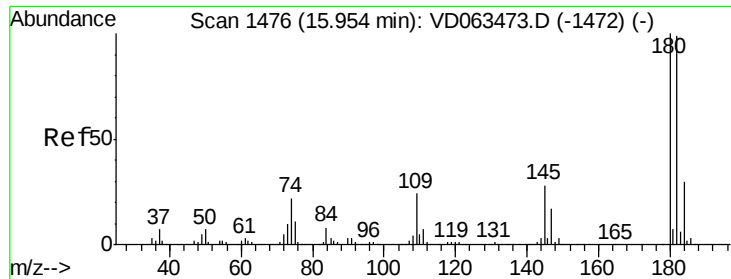
400

200

0

Time-->

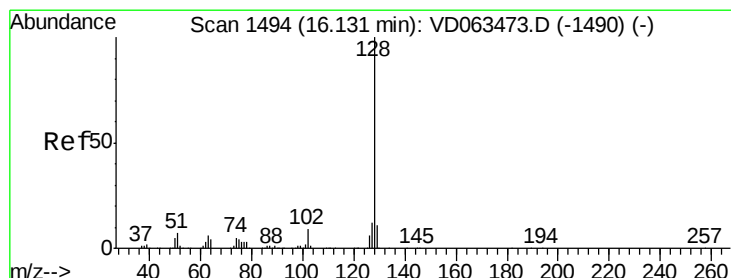
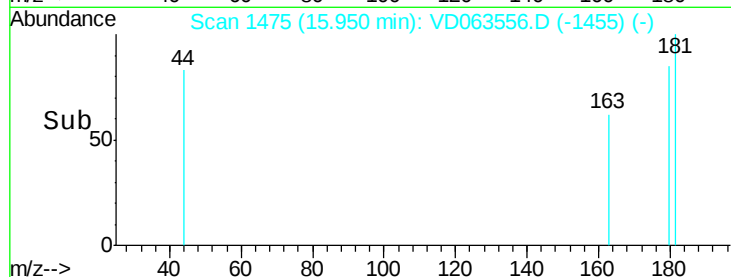
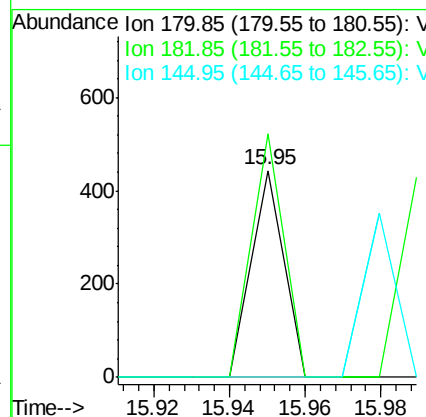
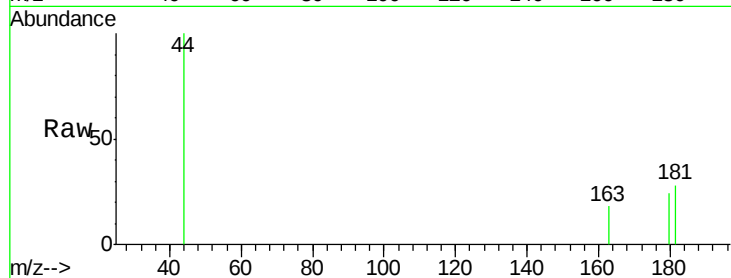




#93
 1,2,4-Trichlorobenzene
 Concen: 3.711 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063556.D
 Acq: 14 Aug 2019 6:12

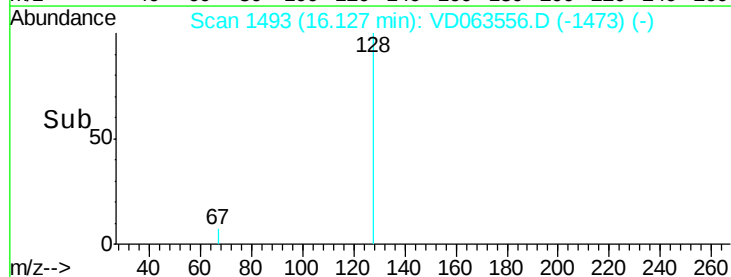
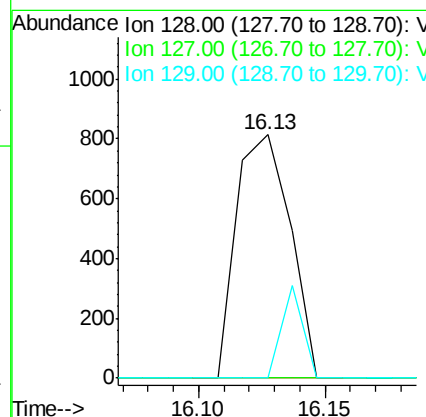
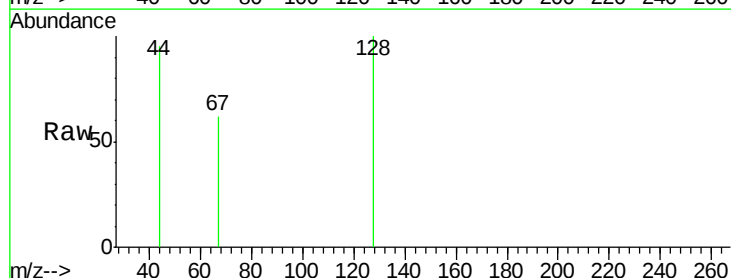
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-E1-(4)

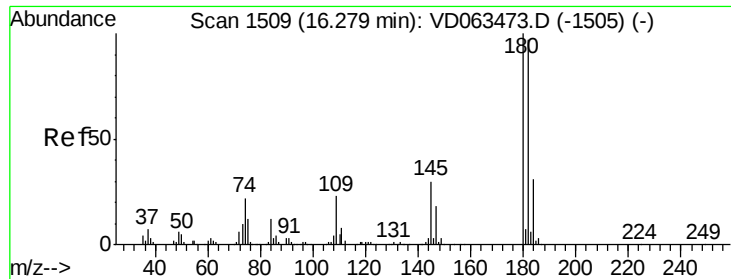
Tot Ion:180 Resp: 262
 Ion Ratio Lower Upper
 180 100
 182 117.6 49.7 149.1
 145 0.0 14.1 42.2#



#95
 Naphthalene
 Concen: 11.242 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VD063556.D
 Acq: 14 Aug 2019 6:12

Tgt Ion:128 Resp: 1203
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.4 14.0#
 129 0.0 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.436 ug/l
 RT: 16.27 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VD063556.D
 Acq: 14 Aug 2019 6:12

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-E1-(4)

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.6	48.4	145.2
145	0.0	14.9	44.9#

