

Data File : VD064502.D
Acq On : 11 Dec 2019 16:13
Operator : VA/SY
Sample : K6265-02
Misc : 7.31G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

Quant Time: Dec 12 03:06:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	219694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	347431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	462180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1476043	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	120540	60.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.24%	
35) Dibromofluoromethane	7.91	113	115227	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	10.34	98	1936766	234.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	469.76%	
62) 4-Bromofluorobenzene	12.64	95	3811938	1438.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2877.00%	

Target Compounds						Qvalue
13) Acrolein	3.92	56	310	1.795	ug/l #	79
15) Acrylonitrile	5.47	53	481	1.098	ug/l #	24
16) Acetone	4.16	43	364023	905.876	ug/l	100
17) Carbon Disulfide	4.41	76	8888	1.417	ug/l	97
20) Methylene Chloride	4.94	84	1572	Below Cal		82
25) 2-Butanone	7.22	43	632482	1112.948	ug/l	98
29) Tetrahydrofuran	7.57	42	347063	959.898	ug/l	99
31) Cyclohexane	8.06	56	1295009	440.075	ug/l #	17
36) 1,1-Dichloropropene	7.97	75	15328	4.664	ug/l #	50
37) Ethyl Acetate	7.22	43	632482	453.586	ug/l #	69
38) Carbon Tetrachloride	7.99	117	19396	5.592	ug/l #	15
39) Methylcyclohexane	9.32	83	2176406	533.903	ug/l #	30
40) Benzene	8.35	78	26235	2.874	ug/l	96
41) Methacrylonitrile	7.57	41	204342	255.533	ug/l #	50
42) 1,2-Dichloroethane	8.45	62	2937	1.103	ug/l #	1
43) Isopropyl Acetate	8.45	43	1050876	383.297	ug/l #	52
45) 1,2-Dichloropropane	9.41	63	24368	11.163	ug/l #	1
46) Dibromomethane	9.33	93	9837	7.985	ug/l #	1
47) Bromodichloromethane	9.63	83	665654	210.279	ug/l #	53
48) Methyl methacrylate	9.49	41	190389	151.756	ug/l #	9
49) 1,4-Dioxane	9.63	88	248	16.301	ug/l #	25
51) 4-Methyl-2-Pentanone	10.15	43	8166770	6020.219	ug/l #	38
53) t-1,3-Dichloropropene	10.64	75	5426	1.799	ug/l #	1
55) 1,1,2-Trichloroethane	10.78	97	9290501	5507.275	ug/l #	23
56) Ethyl methacrylate	10.64	69	6655603	3093.316	ug/l #	79
57) 1,3-Dichloropropane	10.96	76	3240	1.128	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.92	63	26411	30.792	ug/l #	44
59) 2-Hexanone	11.07	43	14376802	15273.331	ug/l #	47
60) Dibromochloromethane	11.07	129	117948	51.568	ug/l	62
61) 1,2-Dibromoethane	11.26	107	56956	33.815	ug/l #	2
65) Chlorobenzene	11.58	112	343786	35.664	ug/l #	42
67) Ethyl Benzene	11.78	91	353399	20.605	ug/l #	45
68) m/p-Xylenes	11.86	106	18784	2.872	ug/l #	1
69) o-Xylene	12.18	106	19912	3.297	ug/l #	1

Data File : VD064502.D
Acq On : 11 Dec 2019 16:13
Operator : VA/SY
Sample : K6265-02
Misc : 7.31G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

Quant Time: Dec 12 03:06:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

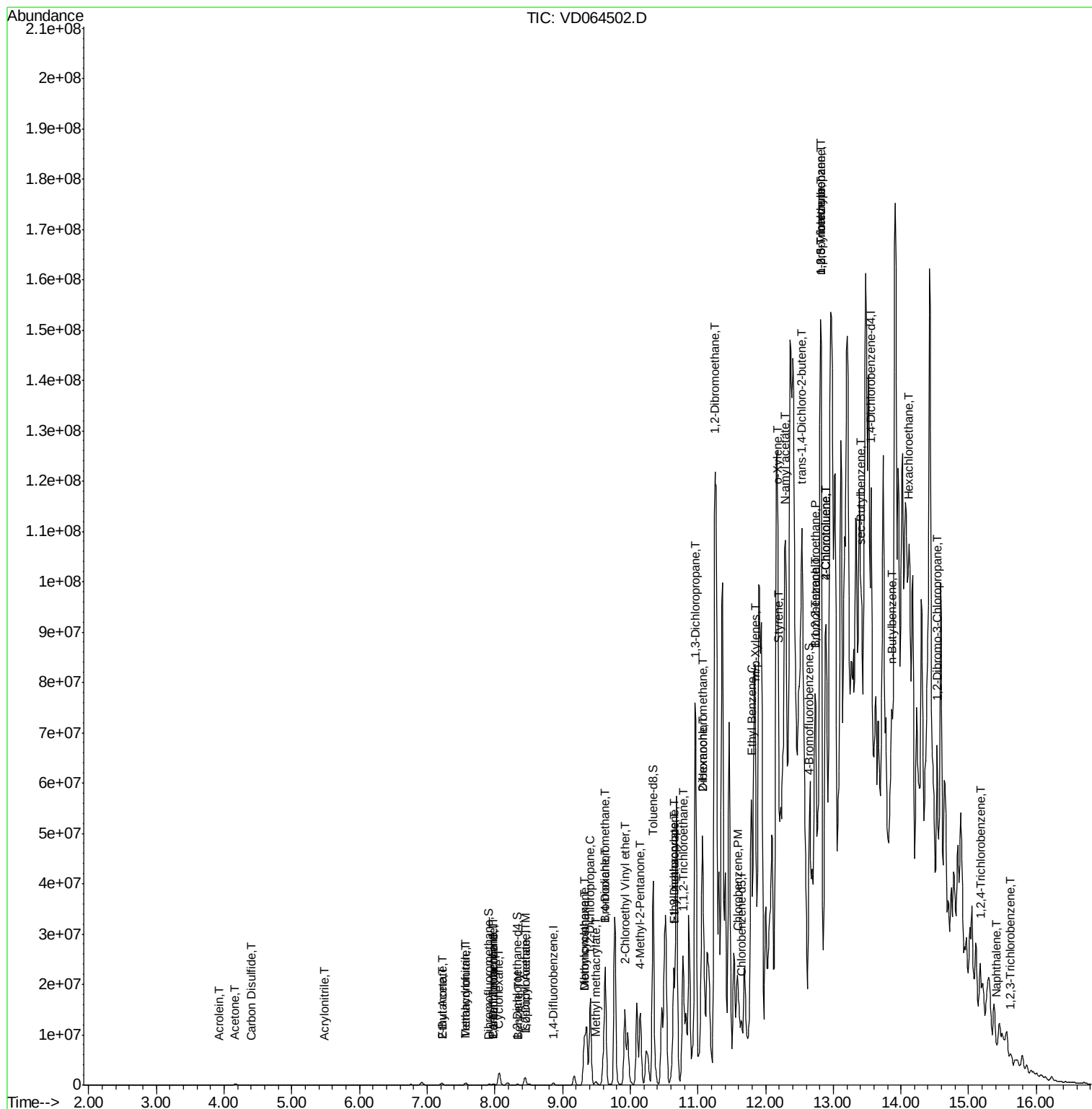
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Styrene	12.20	104	17345	1.653	ug/l #	26
74) N-amyl acetate	12.28	43	2170278	90.075	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.73	83	3189137	181.662	ug/l #	53
76) 1,2,3-Trichloropropane	12.81	75	38666	3.185	ug/l #	100
77) Bromobenzene	12.74	156	104266	3.977	ug/l #	1
78) n-propylbenzene	12.81	91	1369201	11.178	ug/l #	61
79) 2-Chlorotoluene	12.90	91	651860	9.672	ug/l	79
80) 1,3,5-Trimethylbenzene	12.81	105	137918	1.590	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.54	75	8460	1.520	ug/l #	1
82) 4-Chlorotoluene	12.90	91	651860	9.135	ug/l	79
85) sec-Butylbenzene	13.41	105	261387	2.525	ug/l #	75
89) n-Butylbenzene	13.86	91	912197	10.279	ug/l	71
90) Hexachloroethane	14.12	117	133122	7.283	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.53	75	62499	21.313	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.18	180	45919	1.410	ug/l #	1
95) Naphthalene	15.41	128	209058	3.847	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.63	180	37667	1.355	ug/l #	12

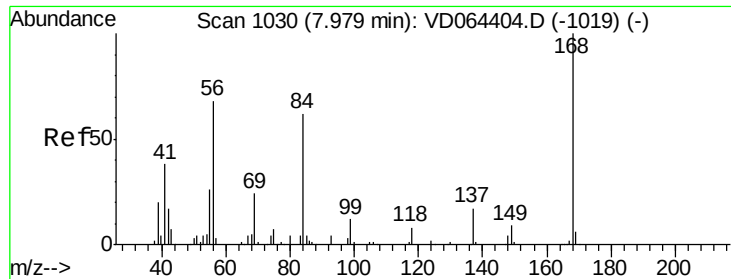
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VD064502.D
Acq On : 11 Dec 2019 16:13
Operator : VA/SY
Sample : K6265-02
Misc : 7.31G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

Quant Time: Dec 12 03:06:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

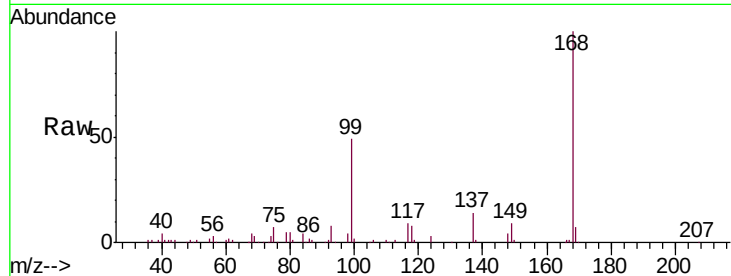
TP-1A-S2

Tgt Ion:168 Resp: 219694

Ion Ratio Lower Upper

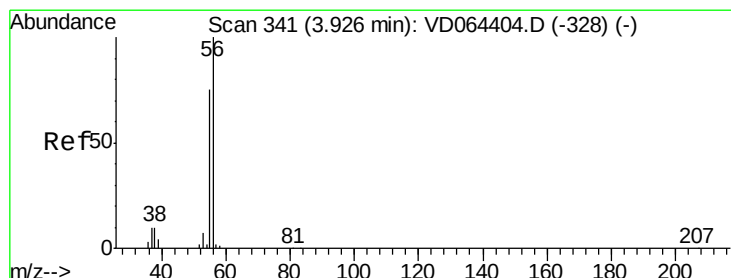
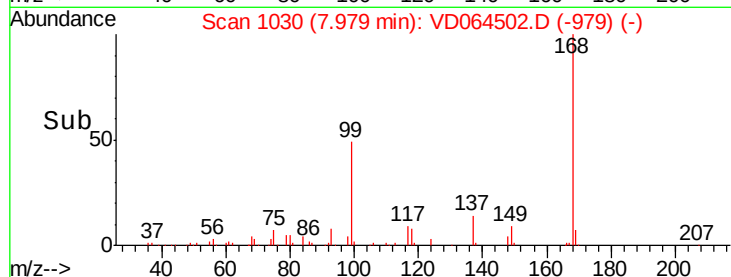
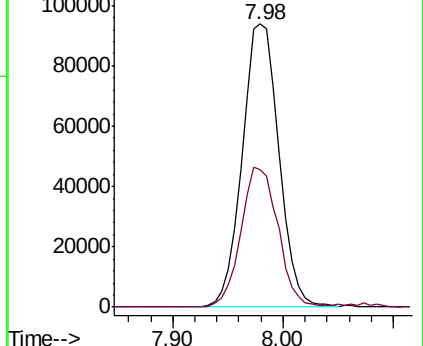
168 100

99 48.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: 1.795 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064502.D

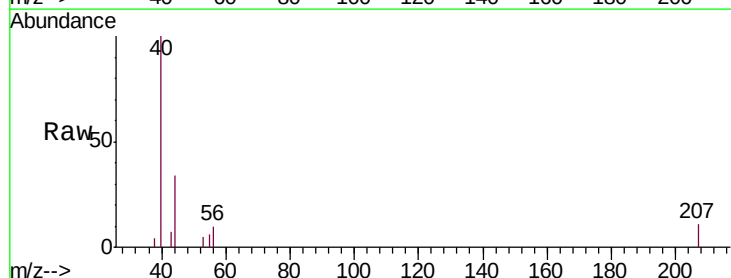
Acq: 11 Dec 2019 16:13

Tgt Ion: 56 Resp: 310

Ion Ratio Lower Upper

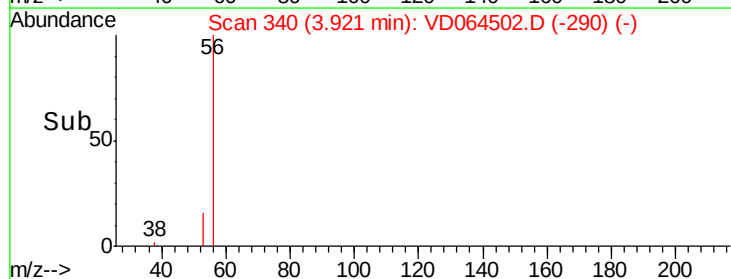
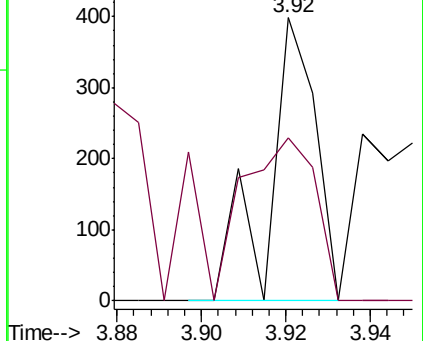
56 100

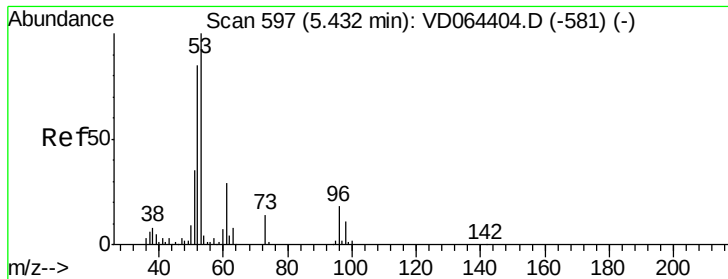
55 88.1 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#15

Acrylonitrile

Concen: 1.098 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.04 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

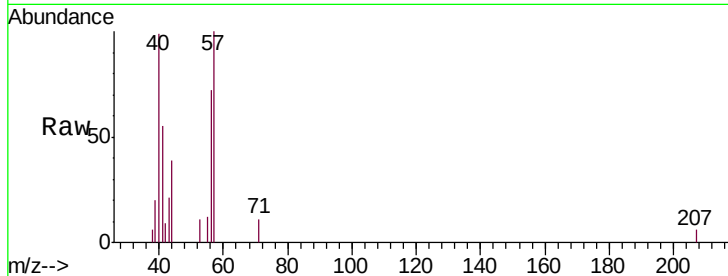
Tgt Ion: 53 Resp: 481

Ion Ratio Lower Upper

53 100

52 0.0 67.9 101.9#

51 15.0 30.6 45.8#



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

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

5.47

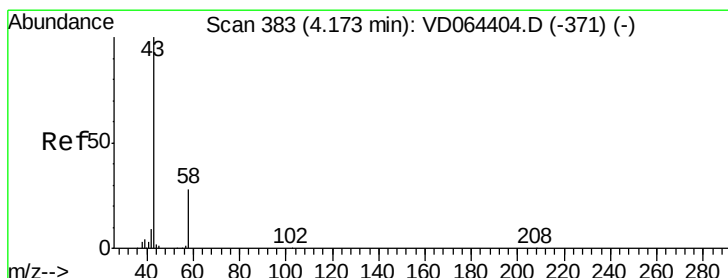
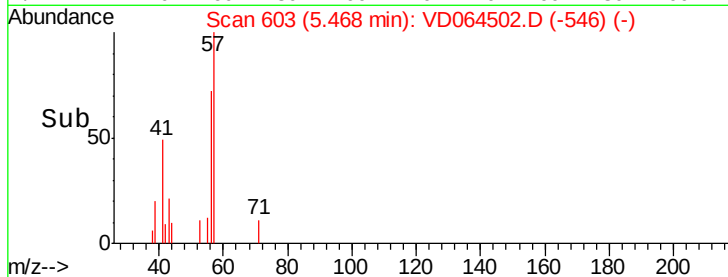
5.47

5.47

5.47

5.47

5.47



#16

Acetone

Concen: 905.876 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064502.D

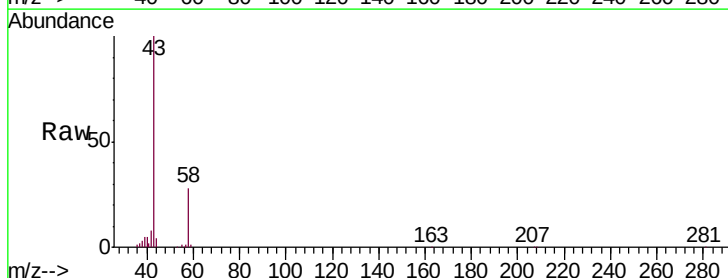
Acq: 11 Dec 2019 16:13

Tgt Ion: 43 Resp: 364023

Ion Ratio Lower Upper

43 100

58 28.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

4.16

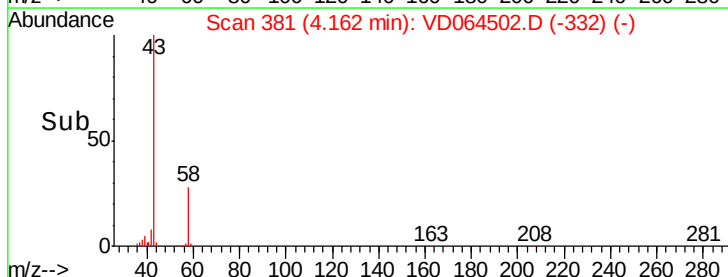
4.16

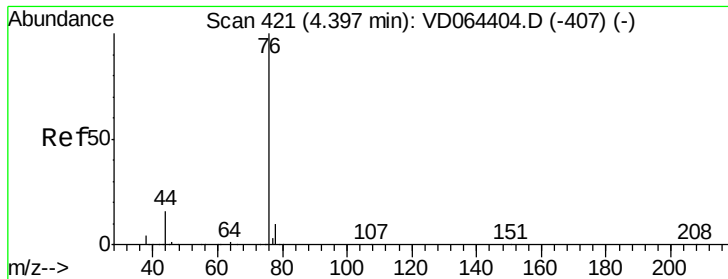
4.16

4.16

4.16

4.16





#17

Carbon Disulfide

Concen: 1.417 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

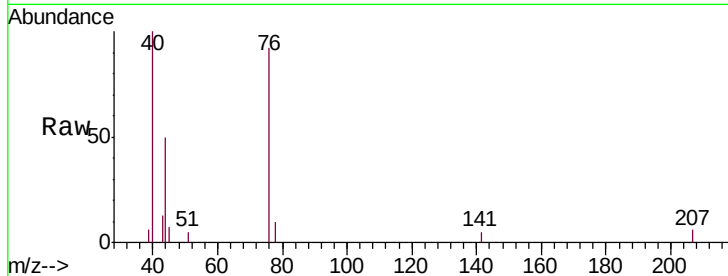
TP-1A-S2

Tgt Ion: 76 Resp: 8888

Ion Ratio Lower Upper

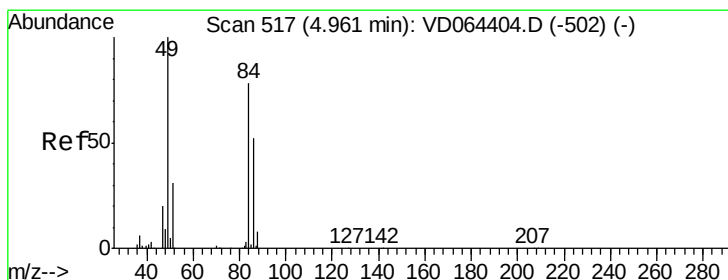
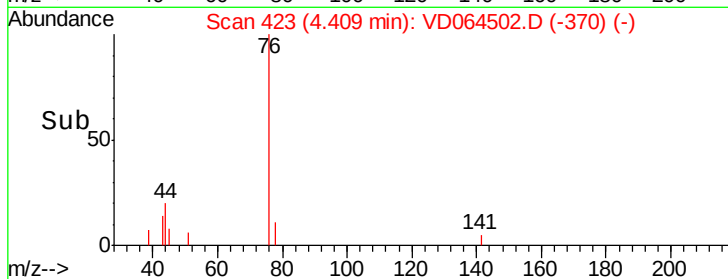
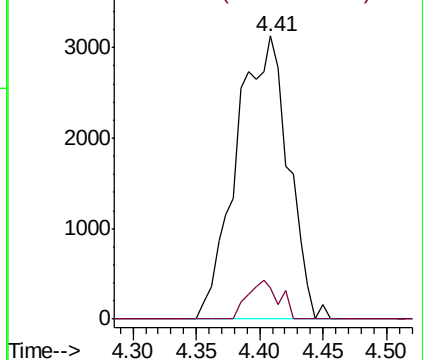
76 100

78 11.0 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.94 min Scan# 514

Delta R.T. -0.02 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Tgt Ion: 84 Resp: 1572

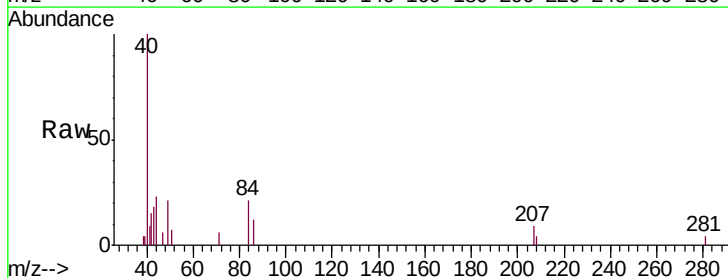
Ion Ratio Lower Upper

84 100

49 102.9 102.6 153.8

51 32.0 32.0 48.0

86 57.0 53.4 80.0

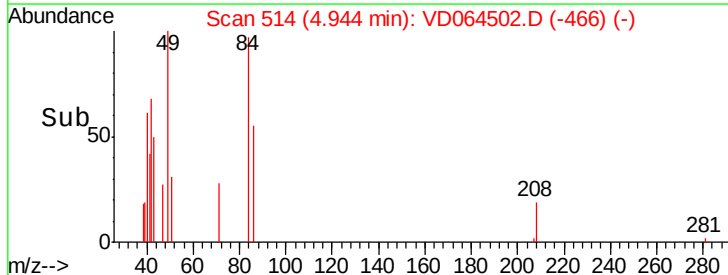
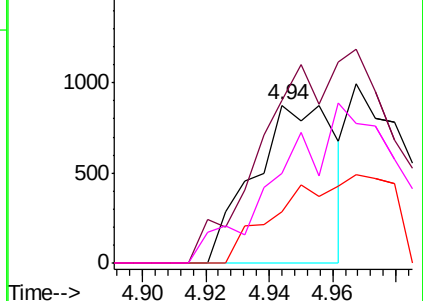


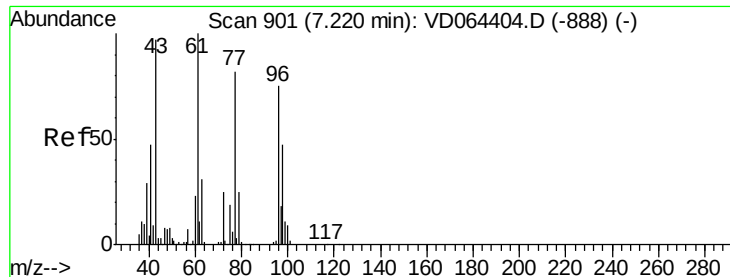
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 1112.948 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampled :

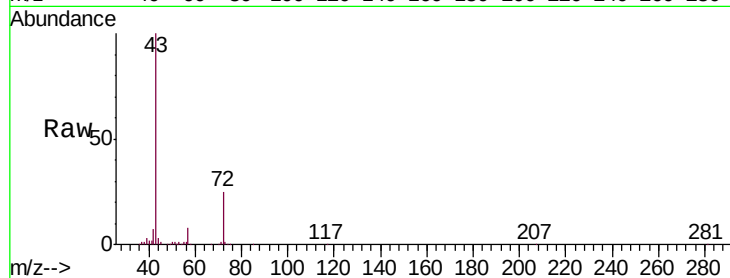
TP-1A-S2

Tgt Ion: 43 Resp: 632482

Ion Ratio Lower Upper

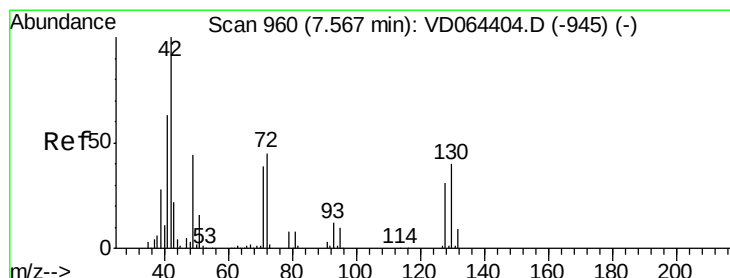
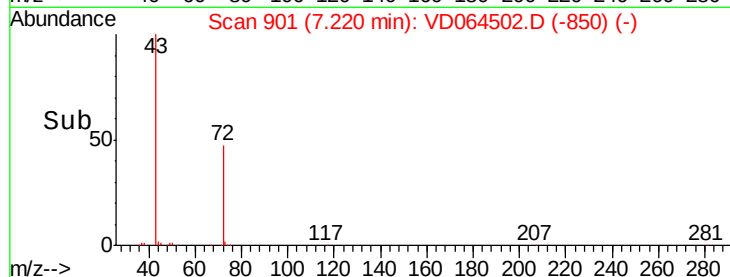
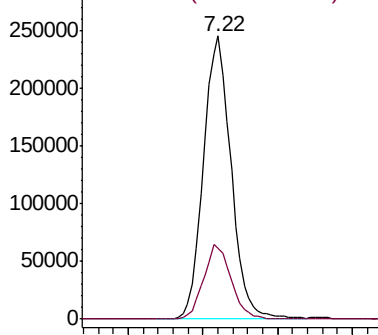
43 100

72 25.0 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 959.898 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

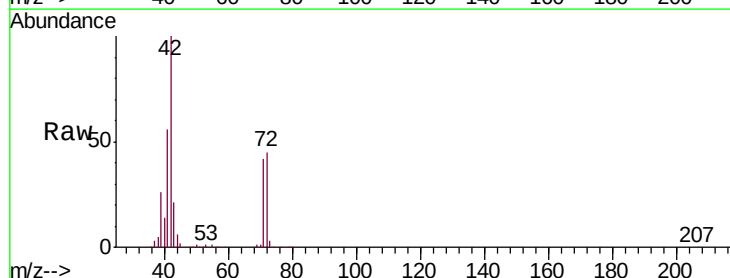
Tgt Ion: 42 Resp: 347063

Ion Ratio Lower Upper

42 100

72 45.0 35.8 53.8

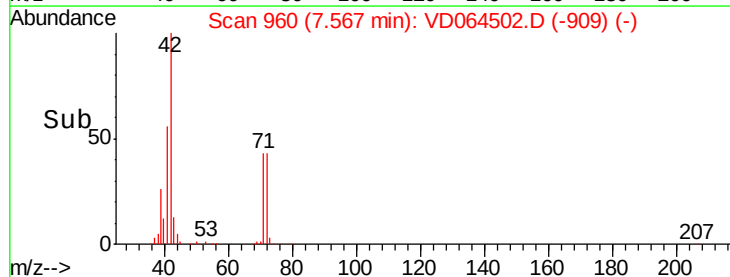
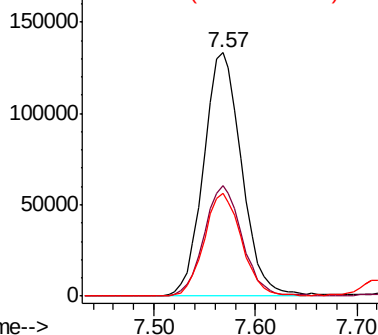
71 41.8 32.7 49.1

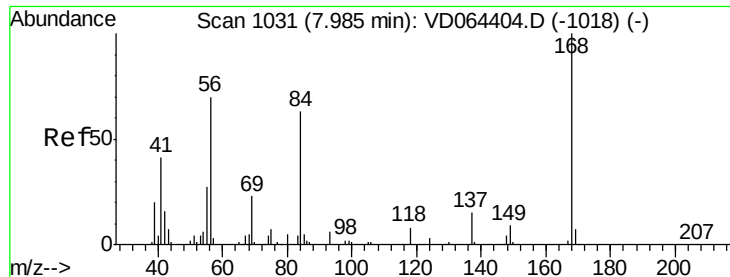


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

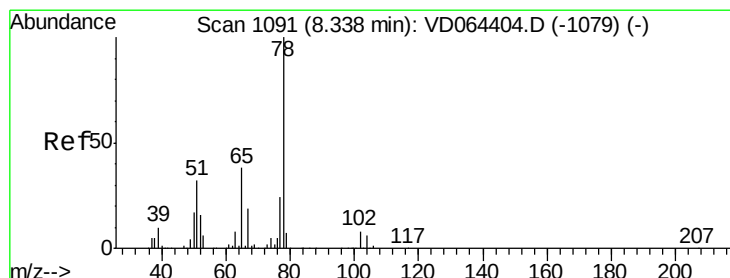
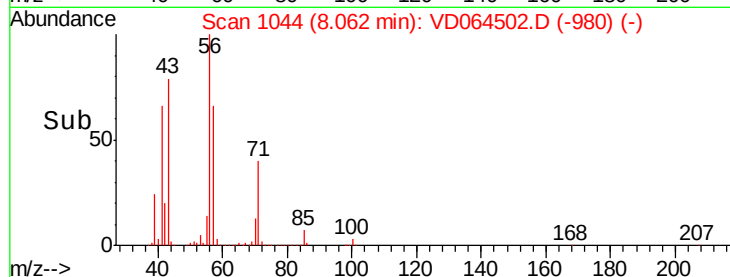
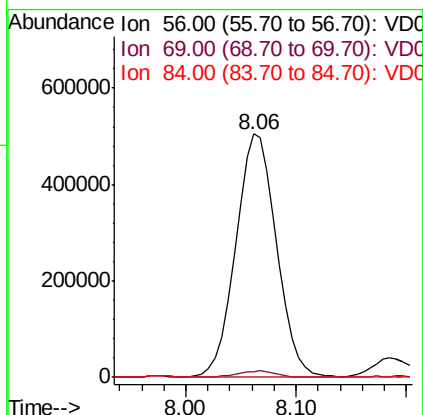
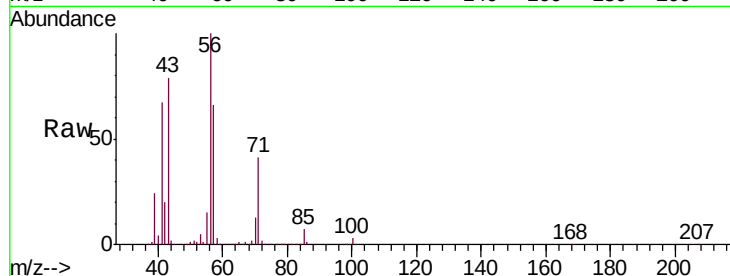




#31
Cyclohexane
Concen: 440.075 ug/l
RT: 8.06 min Scan# 1044
Delta R.T. 0.08 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

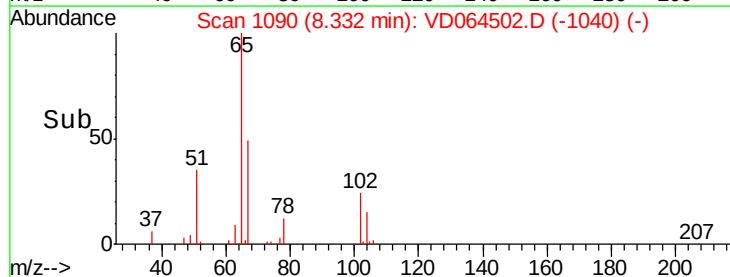
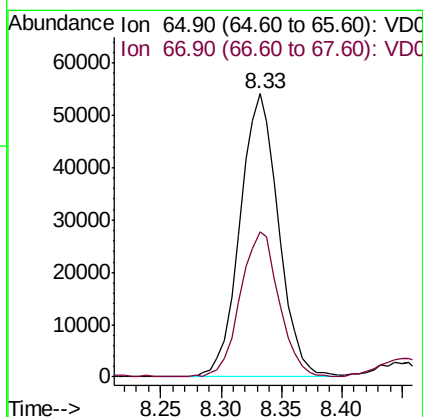
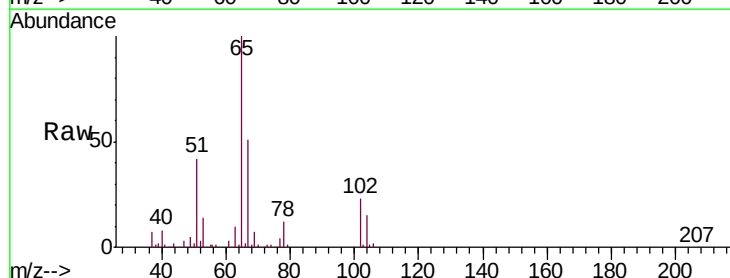
Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

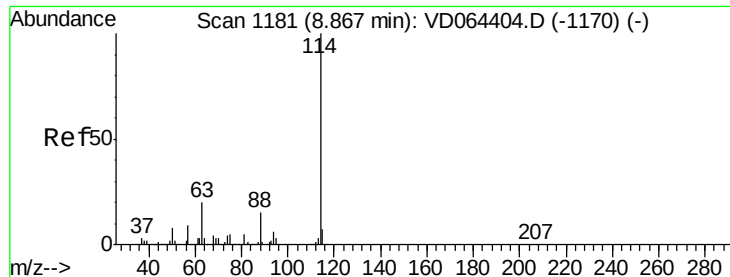
Tgt Ion: 56 Resp: 1295009
Ion Ratio Lower Upper
56 100
69 2.4 26.2 39.4#
84 0.2 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 60.617 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

Tgt Ion: 65 Resp: 120540
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.0

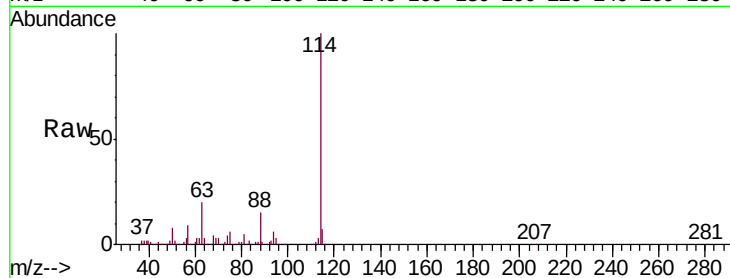




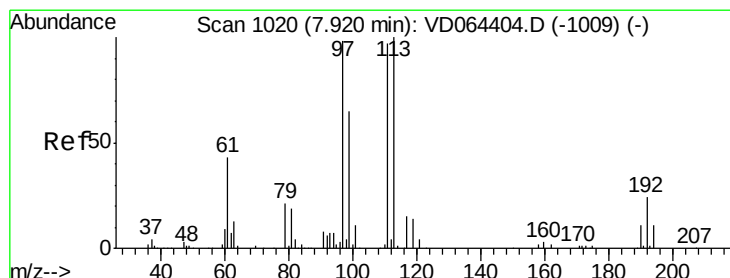
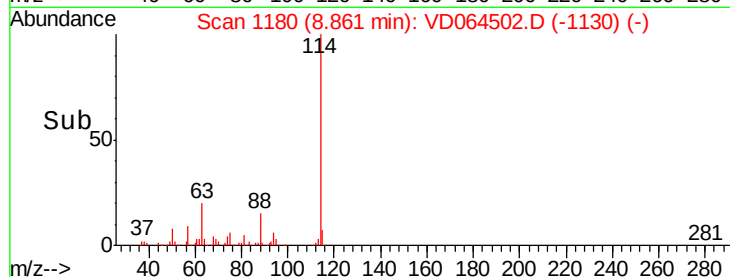
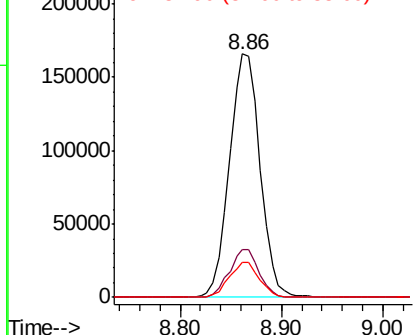
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

Tgt Ion:114 Resp: 347431
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.0
88 14.5 0.0 29.2

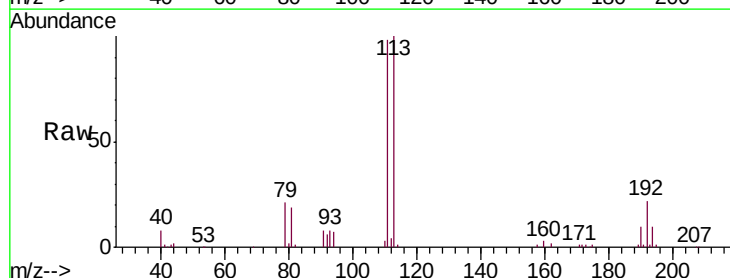


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

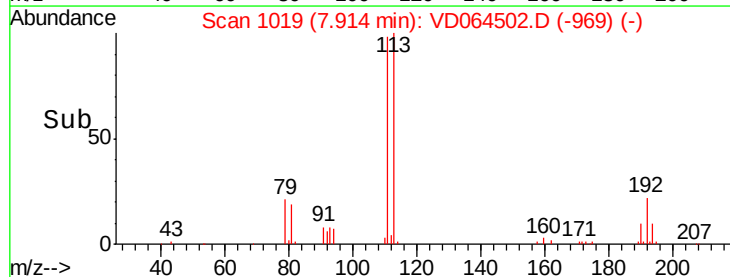
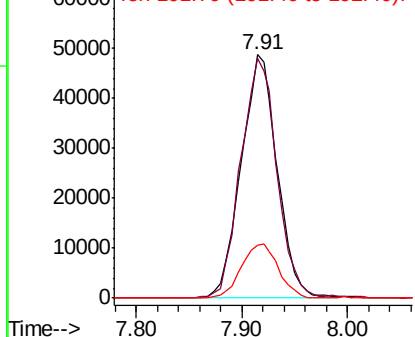


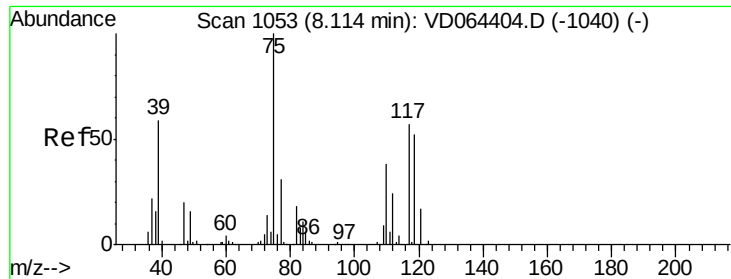
#35
Dibromofluoromethane
Concen: 52.639 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

Tgt Ion:113 Resp: 115227
Ion Ratio Lower Upper
113 100
111 99.2 79.4 119.2
192 23.0 18.6 28.0



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

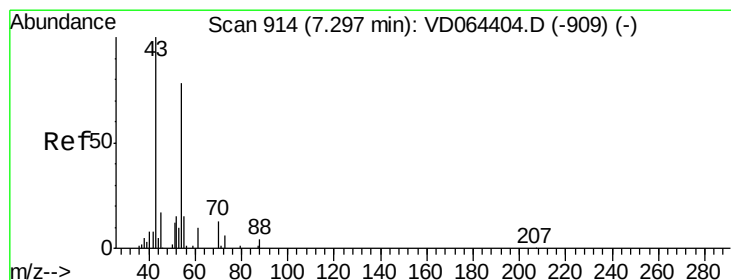
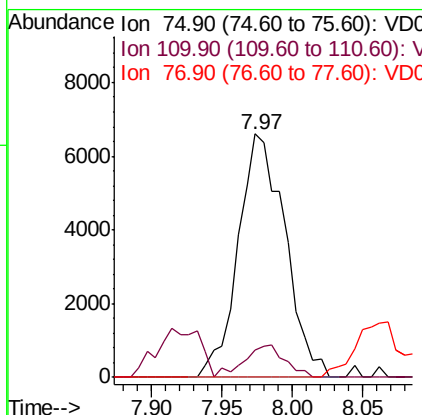
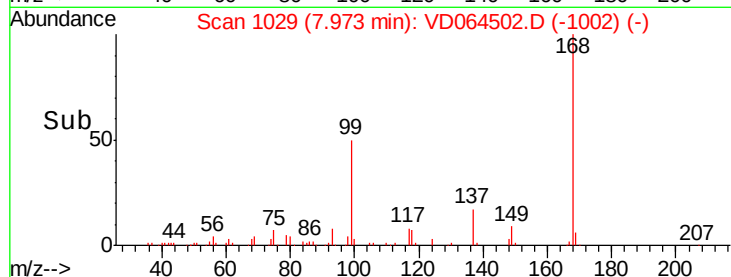
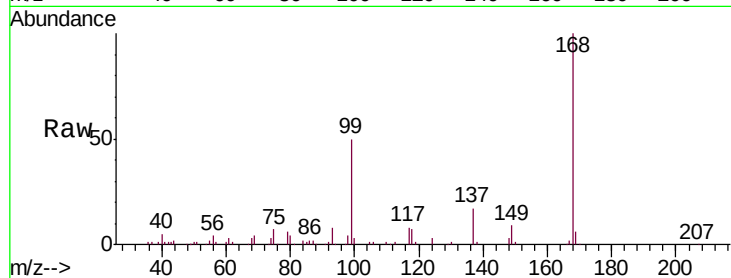




#36
 1,1-Dichloropropene
 Concen: 4.664 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD064502.D
 Acq: 11 Dec 2019 16:13

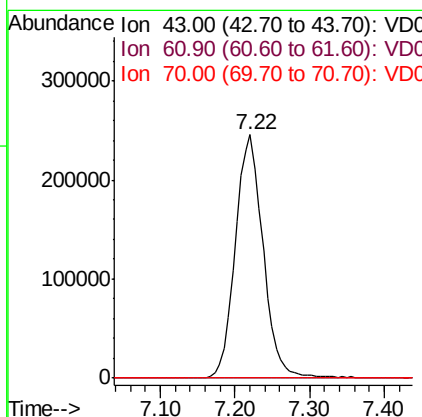
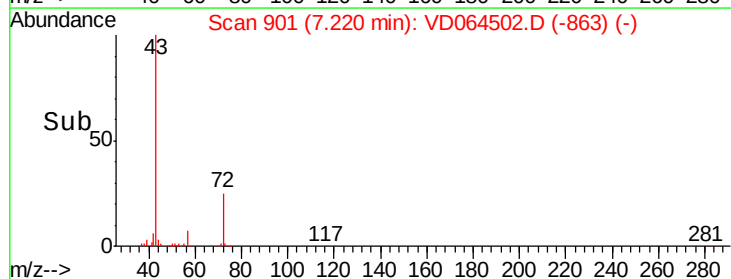
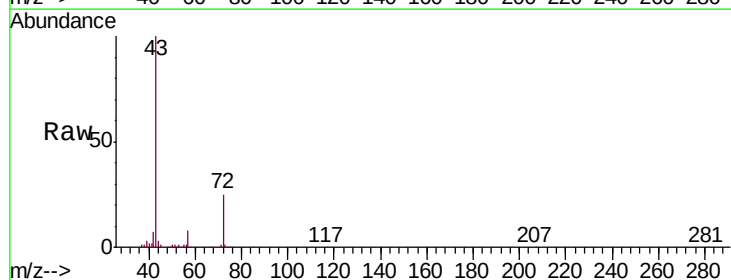
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1A-S2

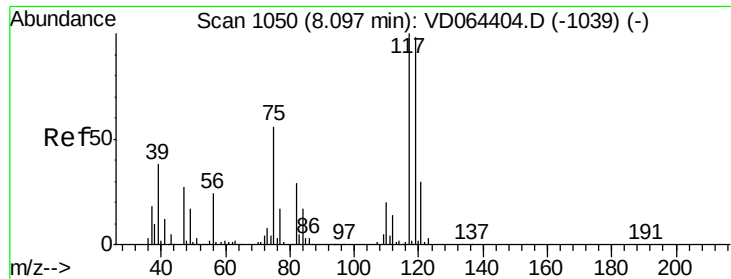
Tgt Ion: 75 Resp: 15328
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.6 55.8#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 453.586 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VD064502.D
 Acq: 11 Dec 2019 16:13

Tgt Ion: 43 Resp: 632482
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.1 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 5.592 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

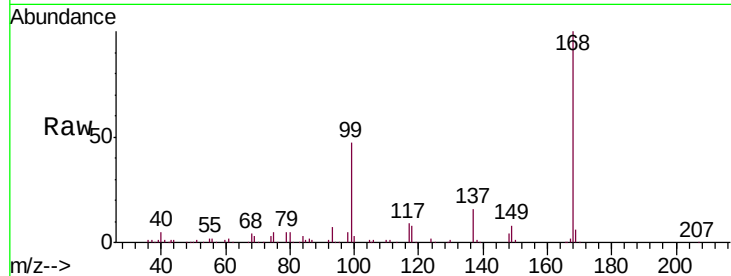
Tgt Ion:117 Resp: 19396

Ion Ratio Lower Upper

117 100

119 5.3 78.8 118.2#

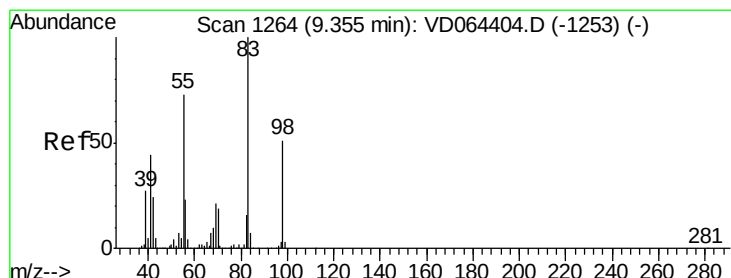
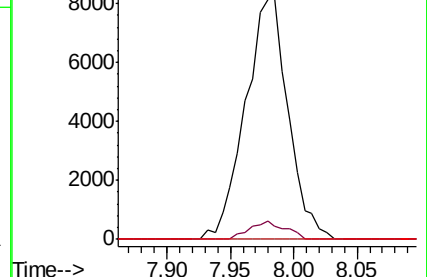
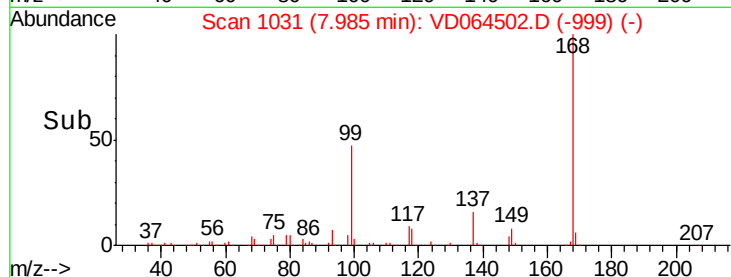
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 533.903 ug/l

RT: 9.32 min Scan# 1258

Delta R.T. -0.04 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

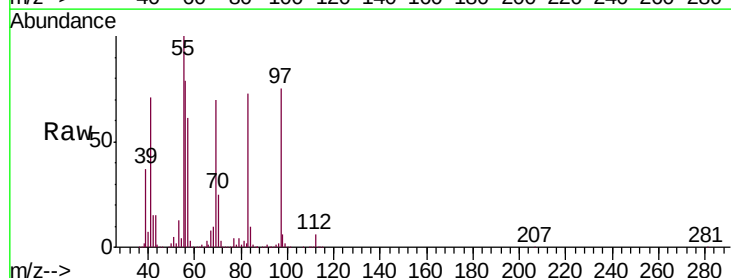
Tgt Ion: 83 Resp: 2176406

Ion Ratio Lower Upper

83 100

55 136.6 58.6 87.8#

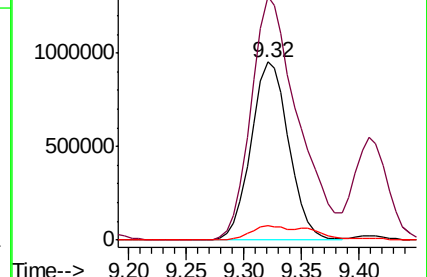
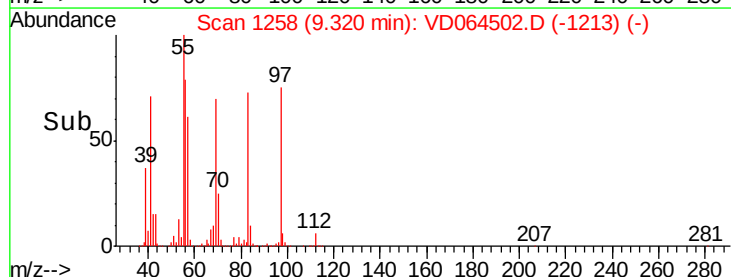
98 7.9 40.9 61.3#

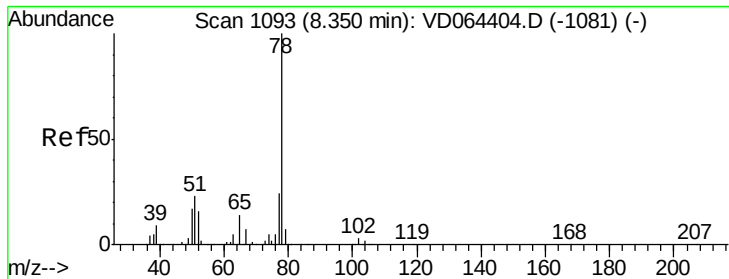


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#40

Benzene

Concen: 2.874 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

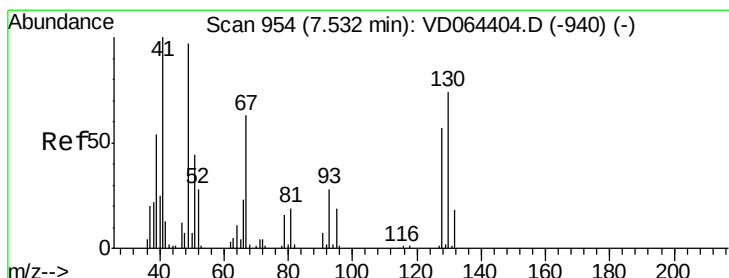
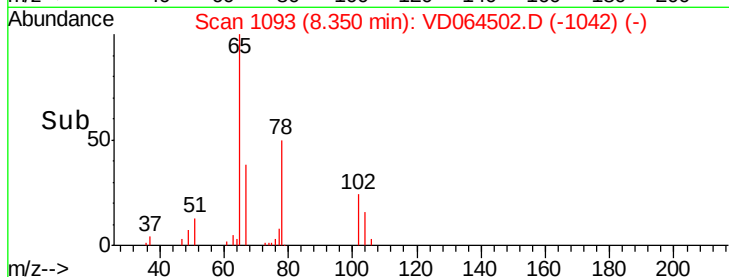
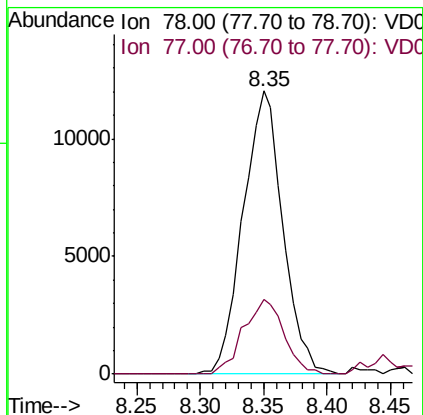
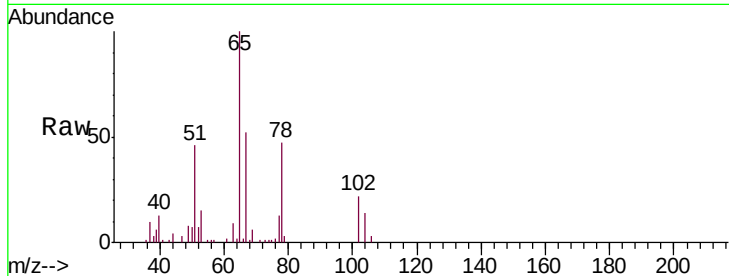
TP-1A-S2

Tgt Ion: 78 Resp: 26235

Ion Ratio Lower Upper

78 100

77 26.6 19.6 29.4



#41

Methacrylonitrile

Concen: 255.533 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Tgt Ion: 41 Resp: 204342

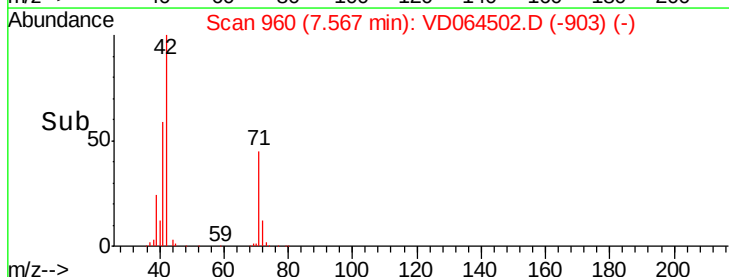
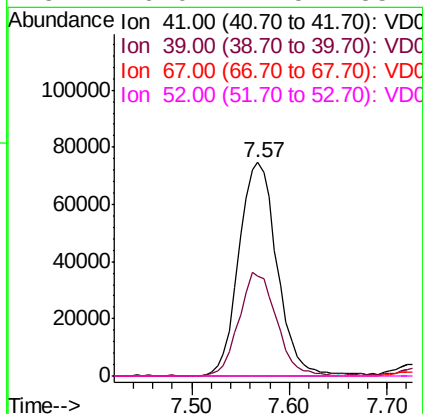
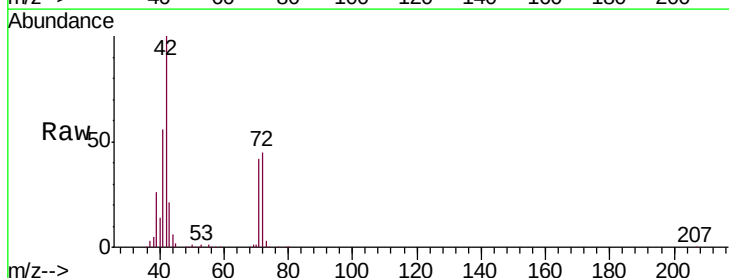
Ion Ratio Lower Upper

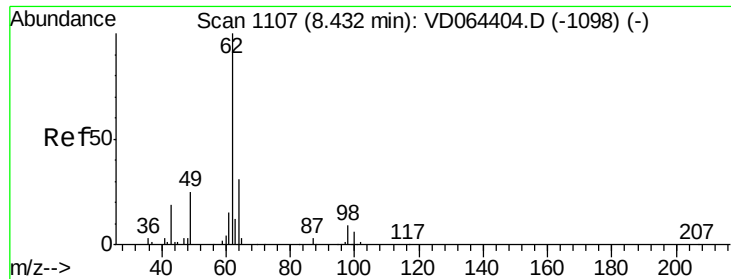
41 100

39 47.6 44.6 67.0

67 0.0 50.9 76.3#

52 0.0 22.5 33.7#





#42

1,2-Dichloroethane

Concen: 1.103 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

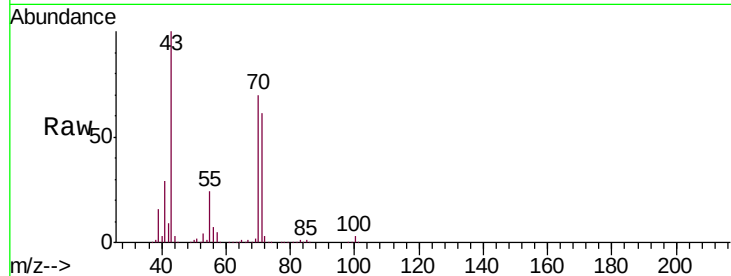
TP-1A-S2

Tgt Ion: 62 Resp: 2937

Ion Ratio Lower Upper

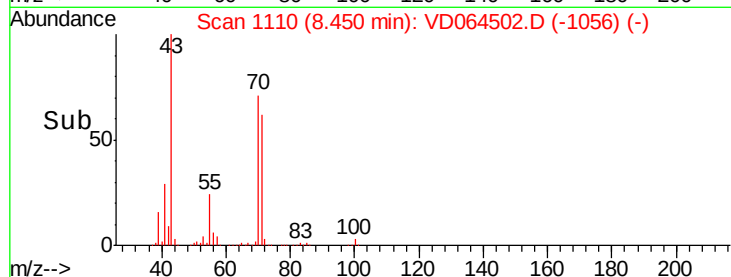
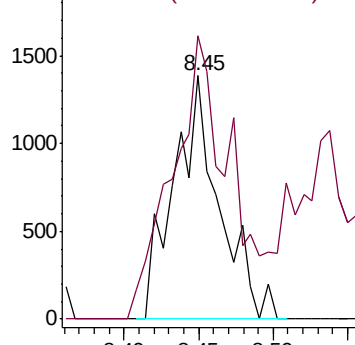
62 100

98 141.2 0.0 20.6#

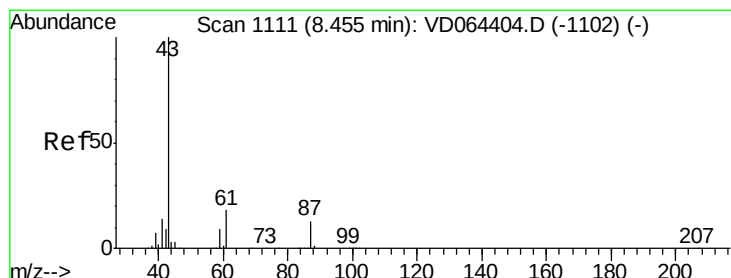


Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



Time-->



#43

Isopropyl Acetate

Concen: 383.297 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

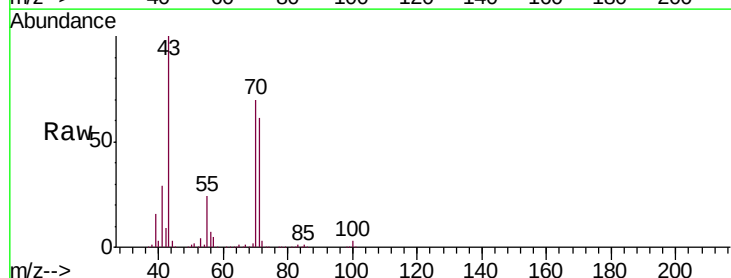
Tgt Ion: 43 Resp: 1050876

Ion Ratio Lower Upper

43 100

61 0.1 24.0 36.0#

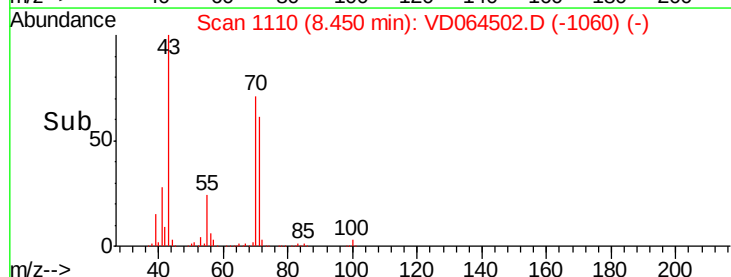
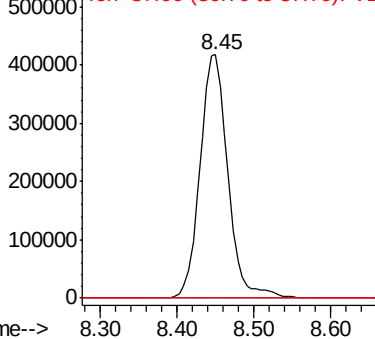
87 0.0 10.6 15.8#



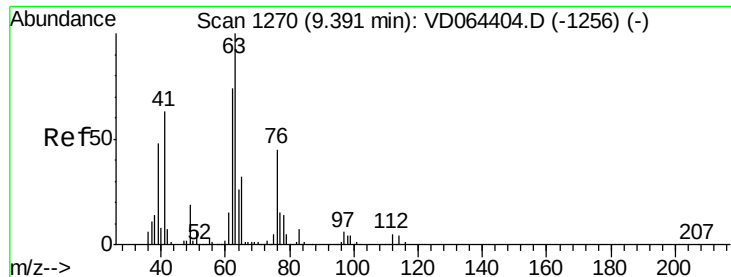
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



Time-->



#45

1,2-Dichloropropane

Concen: 11.163 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

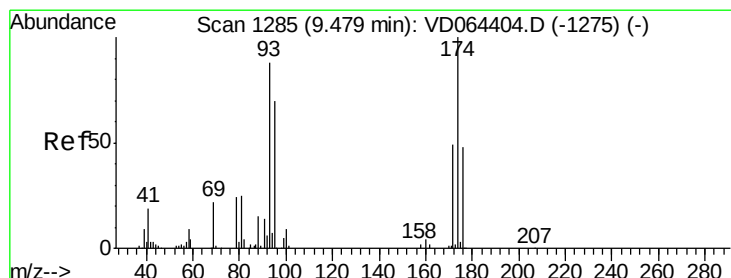
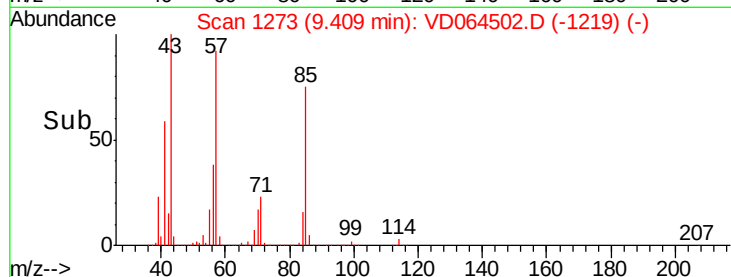
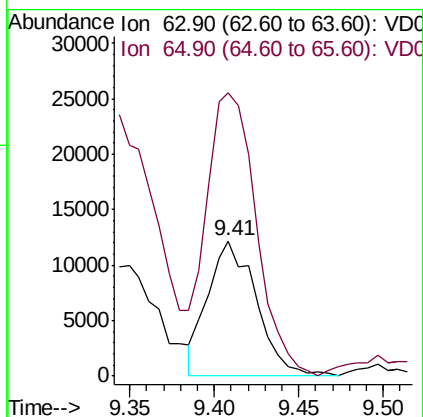
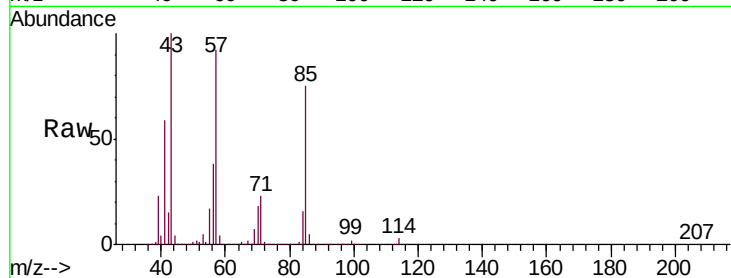
TP-1A-S2

Tgt Ion: 63 Resp: 24368

Ion Ratio Lower Upper

63 100

65 202.7 25.4 38.0#



#46

Dibromomethane

Concen: 7.985 ug/l

RT: 9.33 min Scan# 1259

Delta R.T. -0.15 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

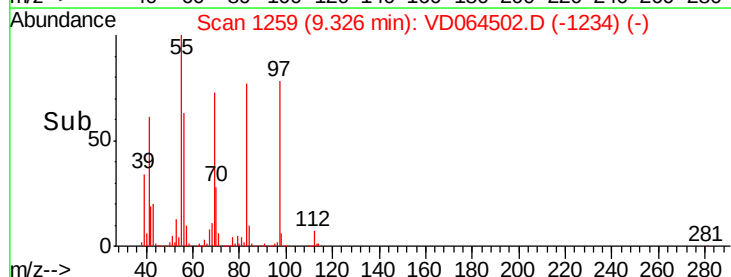
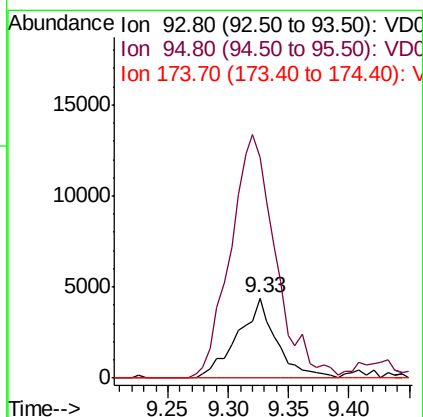
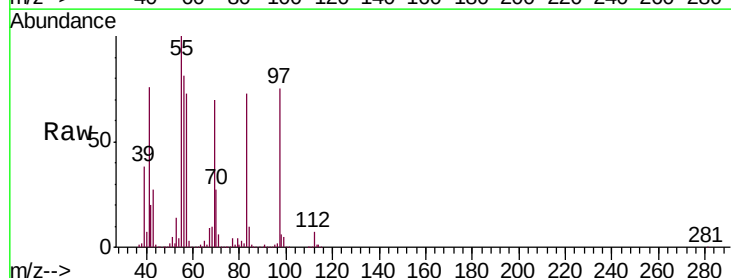
Tgt Ion: 93 Resp: 9837

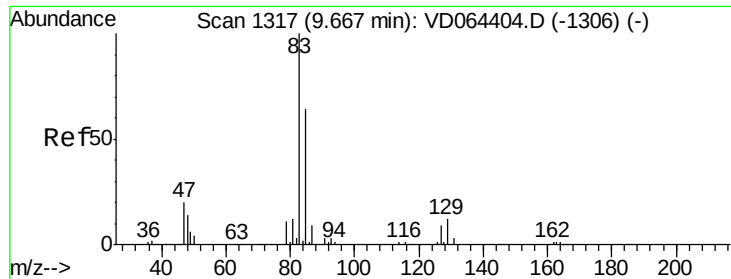
Ion Ratio Lower Upper

93 100

95 351.9 66.7 100.1#

174 0.0 92.3 138.5#





#47

Bromodichloromethane

Concen: 210.279 ug/l

RT: 9.63 min Scan# 1311

Delta R.T. -0.04 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

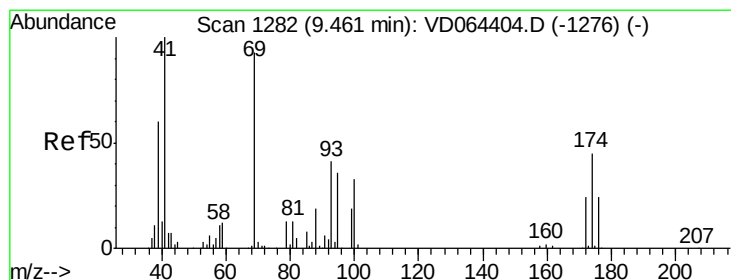
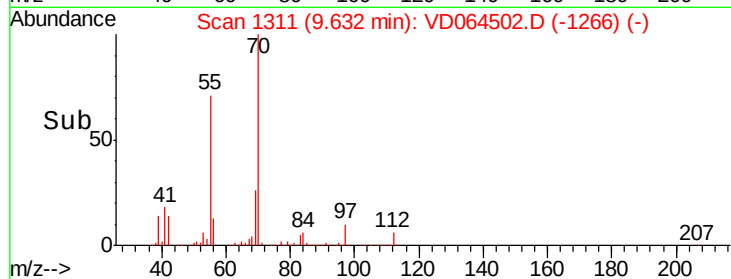
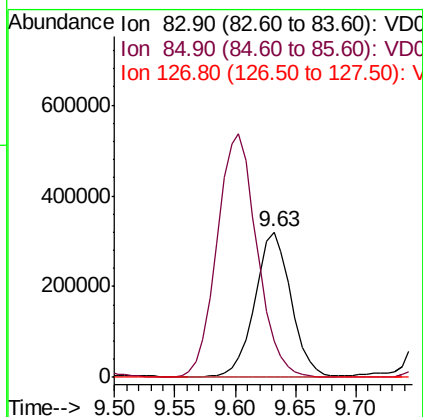
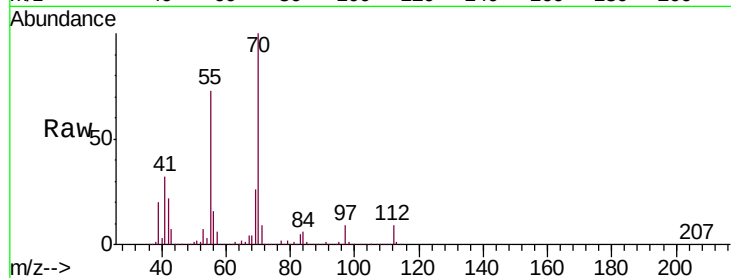
Tgt Ion: 83 Resp: 665654

Ion Ratio Lower Upper

83 100

85 25.1 51.1 76.7#

127 0.0 7.4 11.0#



#48

Methyl methacrylate

Concen: 151.756 ug/l

RT: 9.49 min Scan# 1287

Delta R.T. 0.03 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

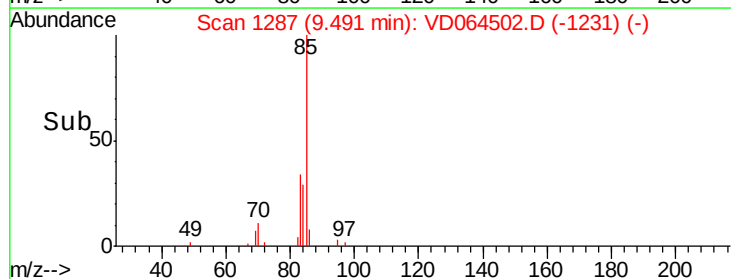
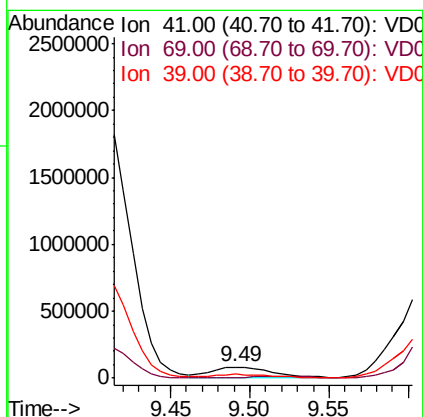
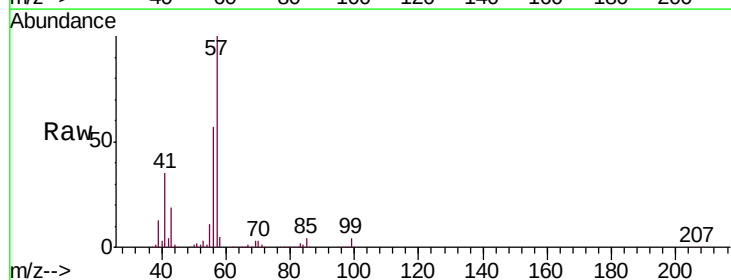
Tgt Ion: 41 Resp: 190389

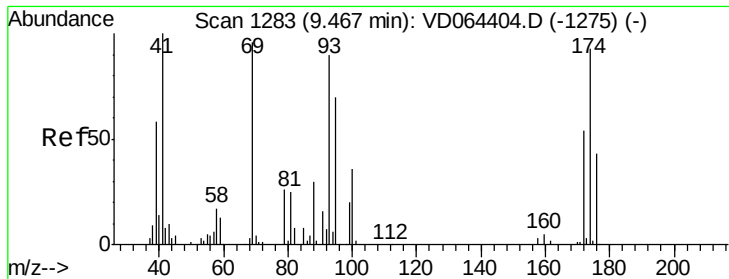
Ion Ratio Lower Upper

41 100

69 0.0 72.0 108.0#

39 0.0 55.2 82.8#





#49

1,4-Dioxane

Concen: 16.301 ug/l

RT: 9.63 min Scan# 1311

Delta R.T. 0.16 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

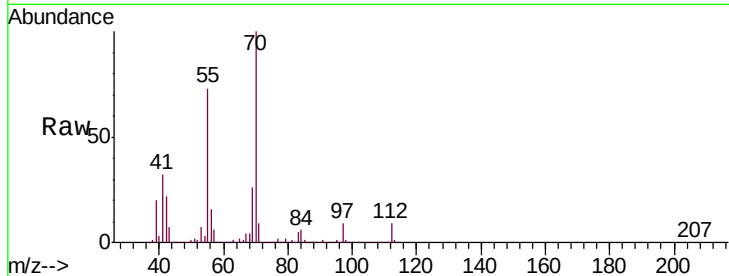
Tgt Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

43 0.0 26.7 40.1#

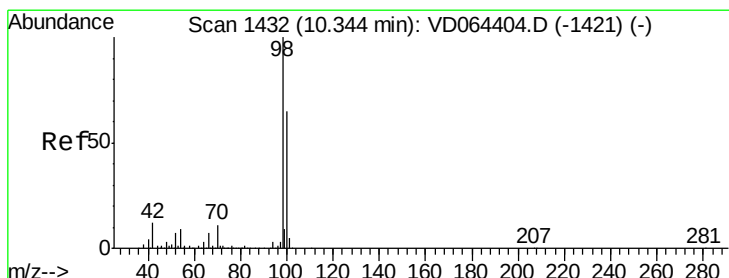
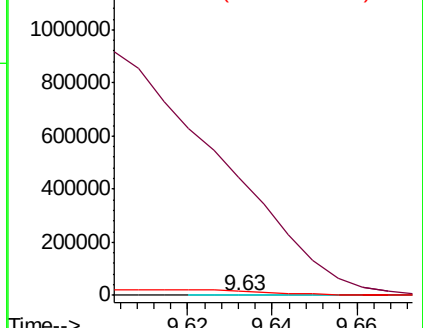
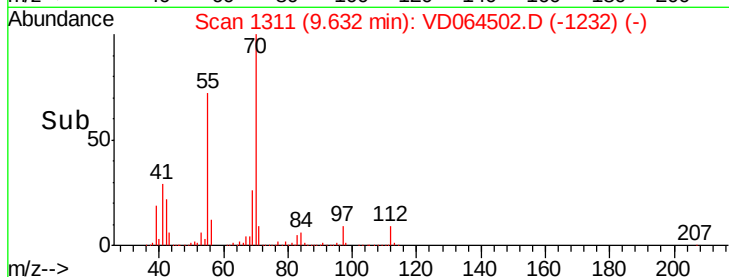
58 0.0 52.3 78.5#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 234.883 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064502.D

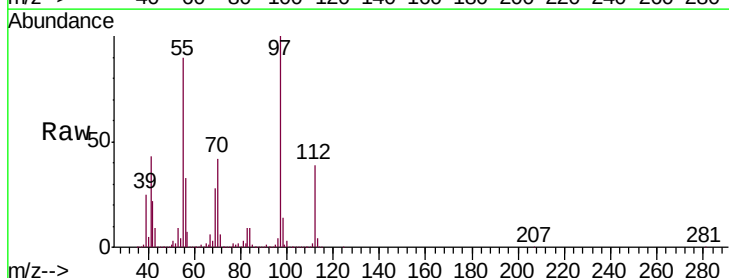
Acq: 11 Dec 2019 16:13

Tgt Ion: 98 Resp: 1936766

Ion Ratio Lower Upper

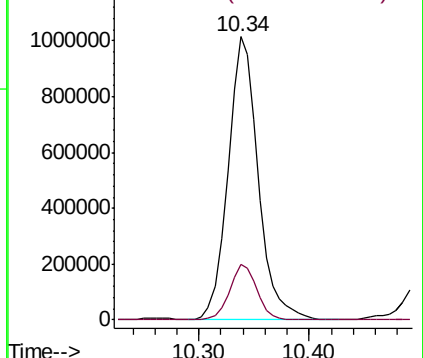
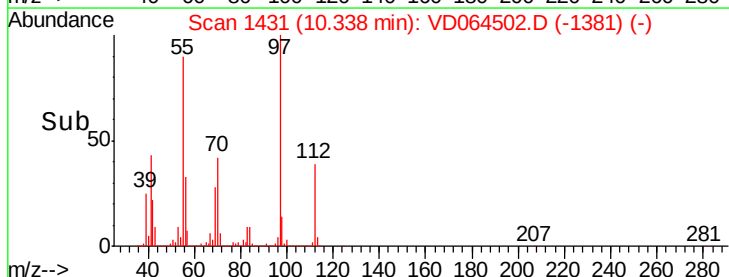
98 100

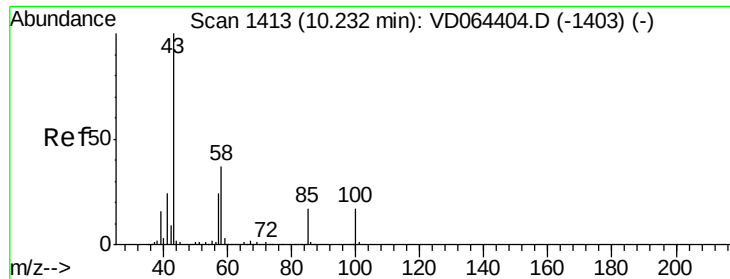
100 17.7 52.6 79.0#



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 6020.219 ug/l

RT: 10.15 min Scan# 1399

Delta R.T. -0.08 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

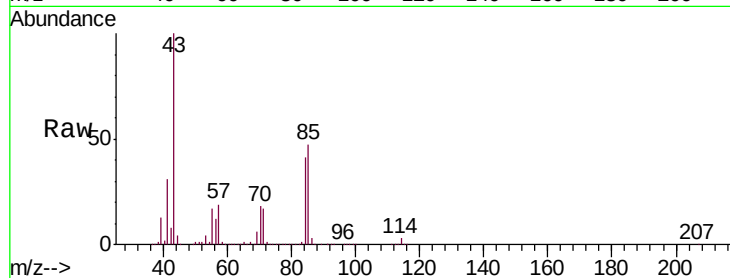
TP-1A-S2

Tgt Ion: 43 Resp: 8166770

Ion Ratio Lower Upper

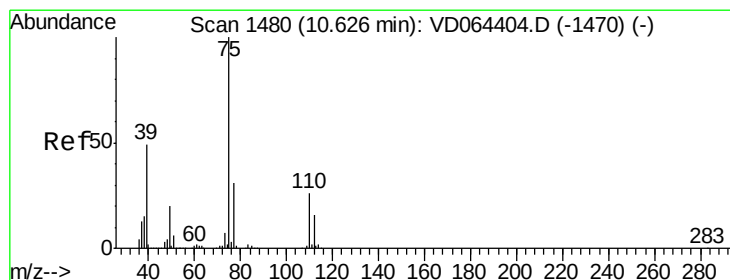
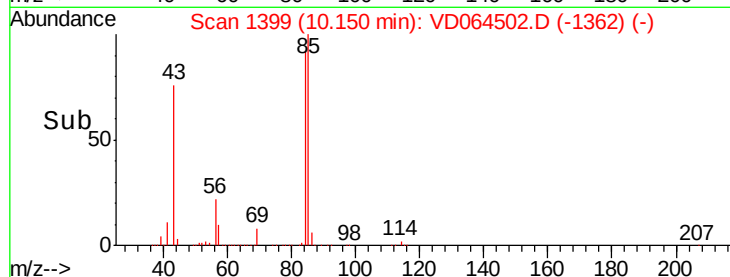
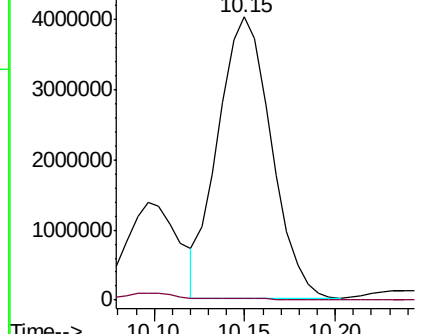
43 100

58 0.7 30.6 46.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#53

t-1,3-Dichloropropene

Concen: 1.799 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.01 min

Lab File: VD064502.D

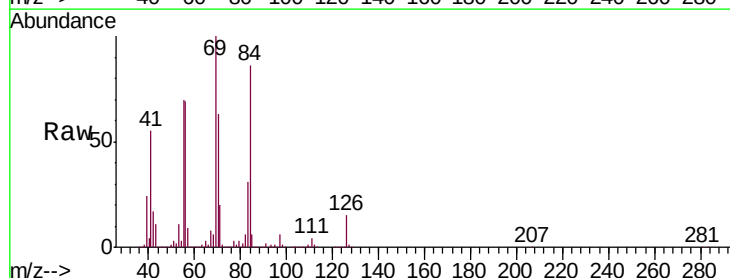
Acq: 11 Dec 2019 16:13

Tgt Ion: 75 Resp: 5426

Ion Ratio Lower Upper

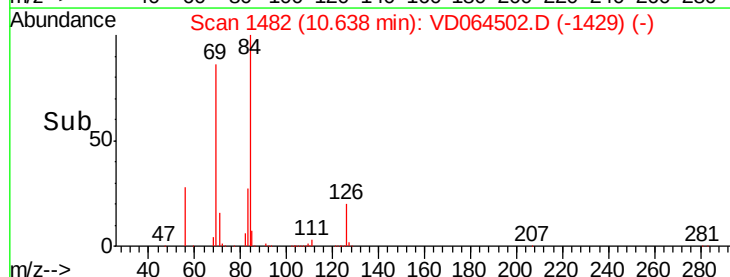
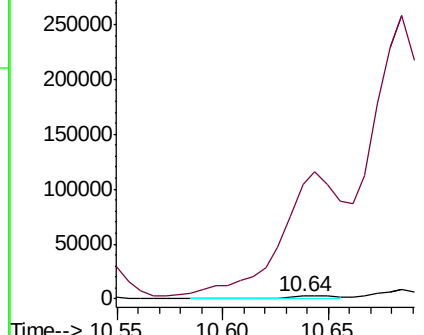
75 100

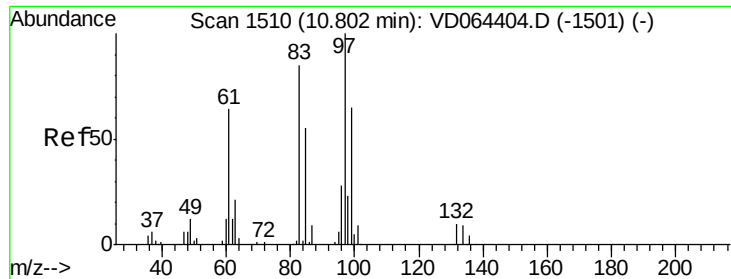
77 3596.7 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

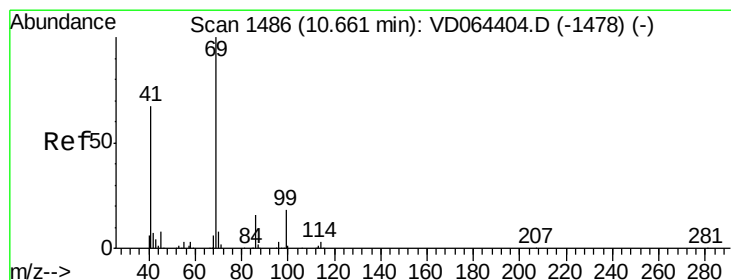
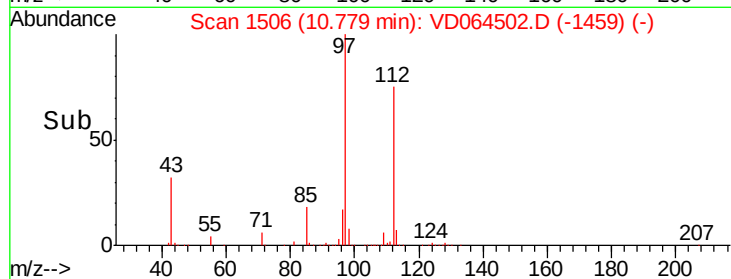
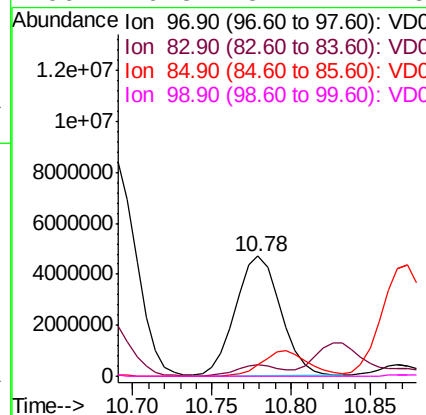
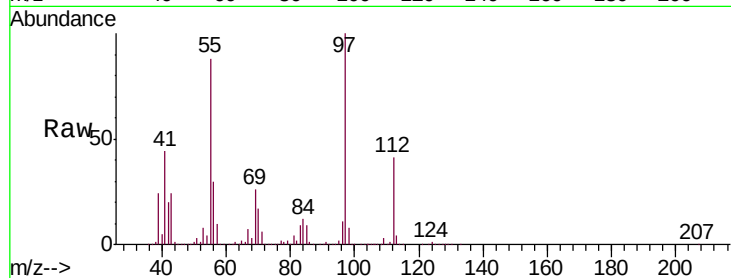




#55
 1,1,2-Trichloroethane
 Concen: 5507.275 ug/l
 RT: 10.78 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VD064502.D
 Acq: 11 Dec 2019 16:13

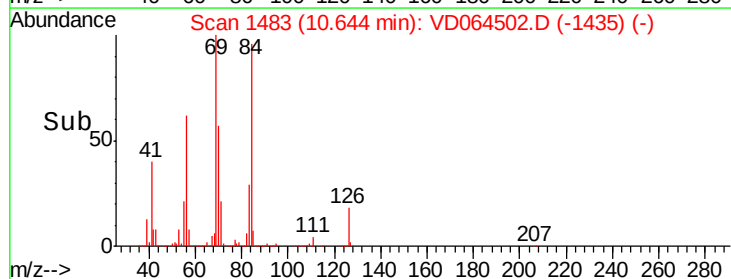
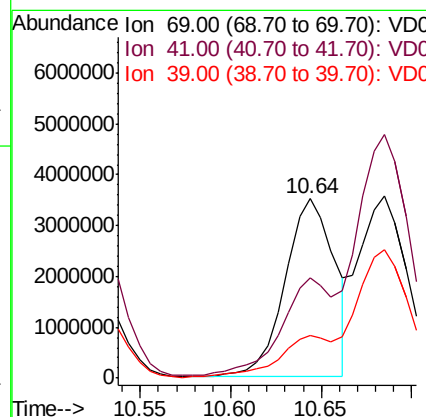
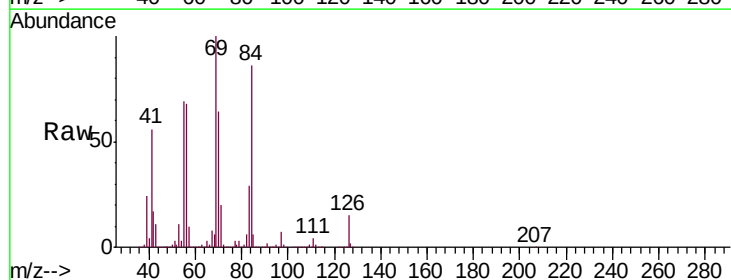
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1A-S2

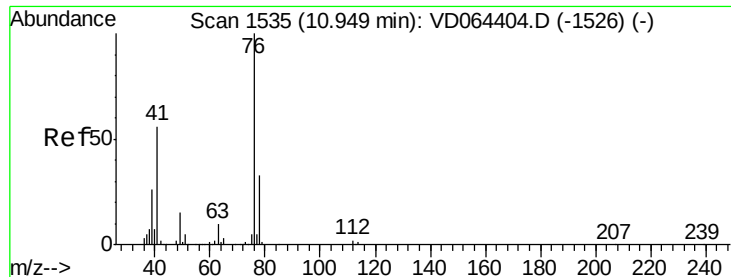
Tgt Ion: 97 Resp: 9290501
 Ion Ratio Lower Upper
 97 100
 83 8.9 67.8 101.8#
 85 9.2 43.7 65.5#
 99 0.3 51.7 77.5#



#56
 Ethyl methacrylate
 Concen: 3093.316 ug/l
 RT: 10.64 min Scan# 1483
 Delta R.T. -0.02 min
 Lab File: VD064502.D
 Acq: 11 Dec 2019 16:13

Tgt Ion: 69 Resp: 6655603
 Ion Ratio Lower Upper
 69 100
 41 54.5 55.0 82.4#
 39 24.6 33.0 49.6#





#57

1,3-Dichloropropane

Concen: 1.128 ug/l

RT: 10.96 min Scan# 1537

Delta R.T. 0.01 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

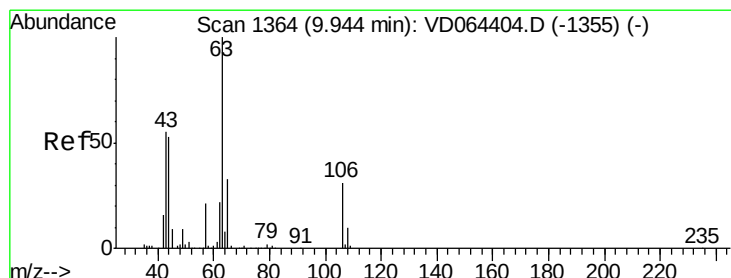
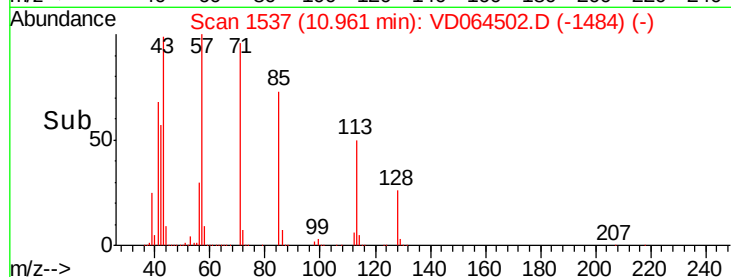
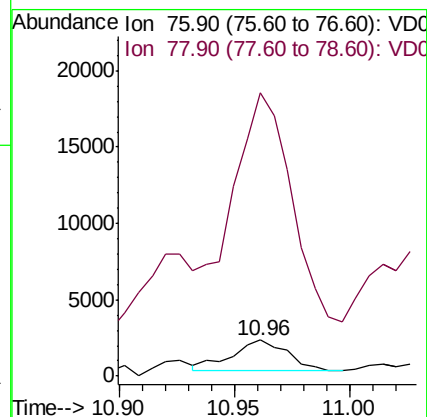
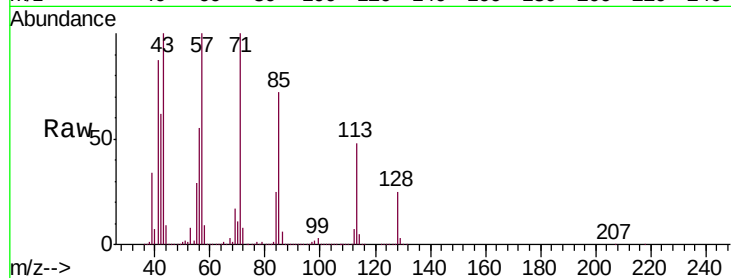
TP-1A-S2

Tgt Ion: 76 Resp: 3240

Ion Ratio Lower Upper

76 100

78 809.1 26.0 39.0#



#58

2-Chloroethyl Vinyl ether

Concen: 30.792 ug/l

RT: 9.92 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VD064502.D

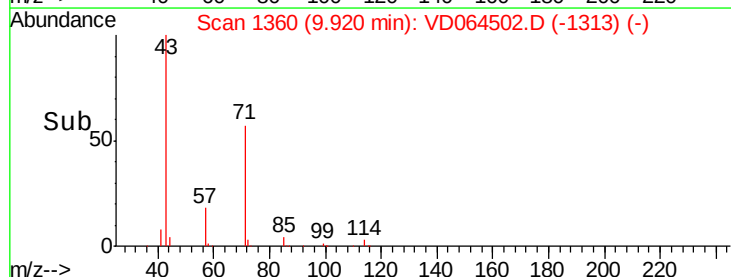
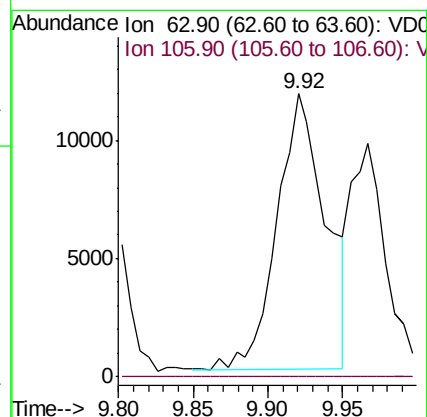
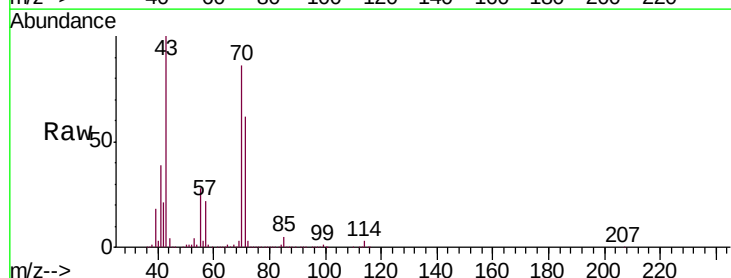
Acq: 11 Dec 2019 16:13

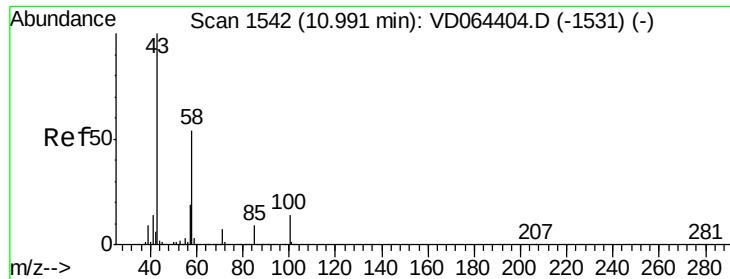
Tgt Ion: 63 Resp: 26411

Ion Ratio Lower Upper

63 100

106 0.0 24.2 36.4#

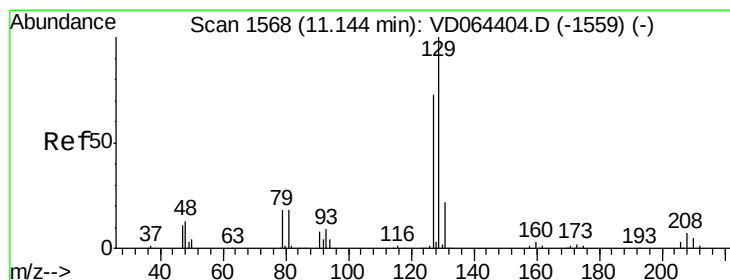
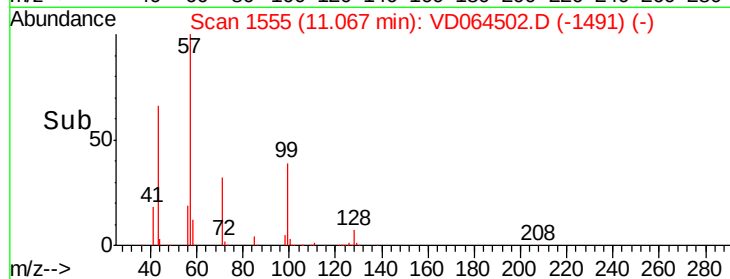
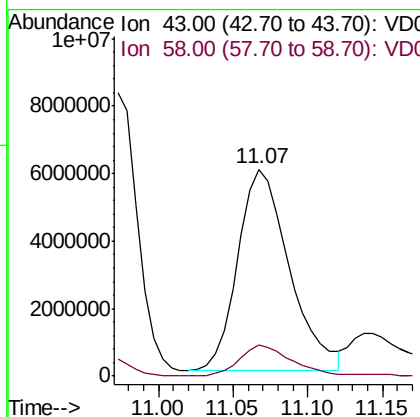
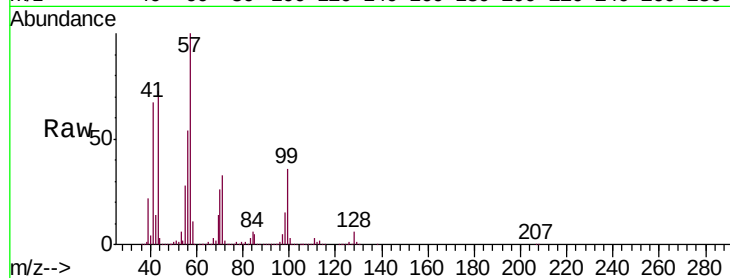




#59
2-Hexanone
Concen: 15273.331 ug/l
RT: 11.07 min Scan# 1555
Delta R.T. 0.08 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

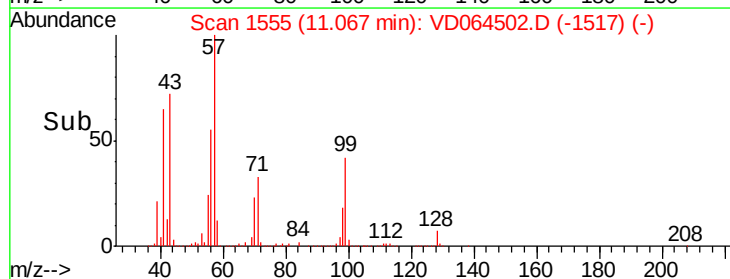
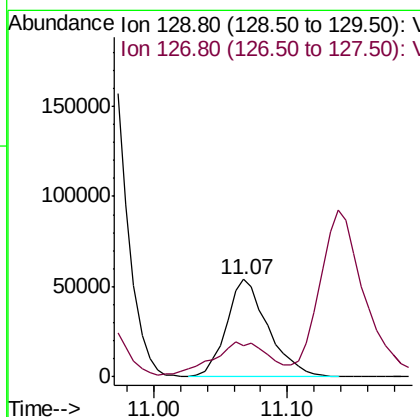
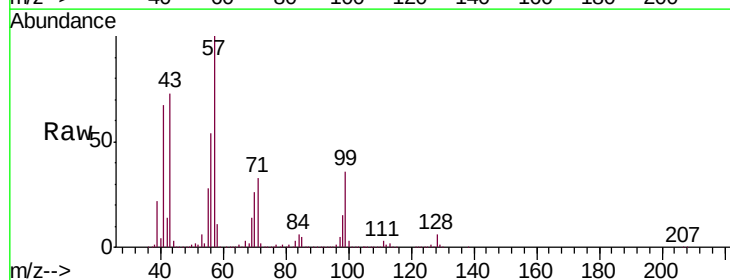
Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

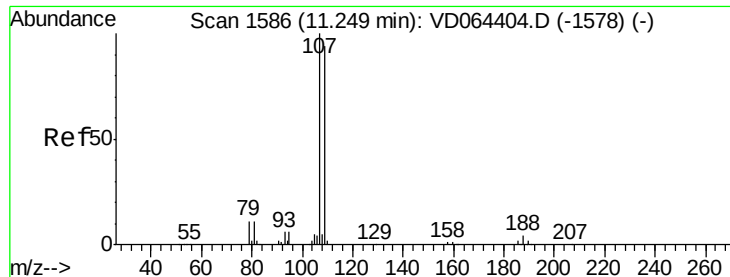
Tgt Ion: 43 Resp:14376802
Ion Ratio Lower Upper
43 100
58 15.3 26.3 78.8#



#60
Dibromochloromethane
Concen: 51.568 ug/l
RT: 11.07 min Scan# 1555
Delta R.T. -0.08 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

Tgt Ion:129 Resp: 117948
Ion Ratio Lower Upper
129 100
127 43.4 38.1 114.3

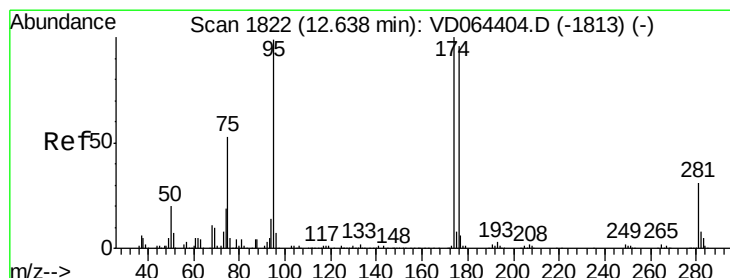
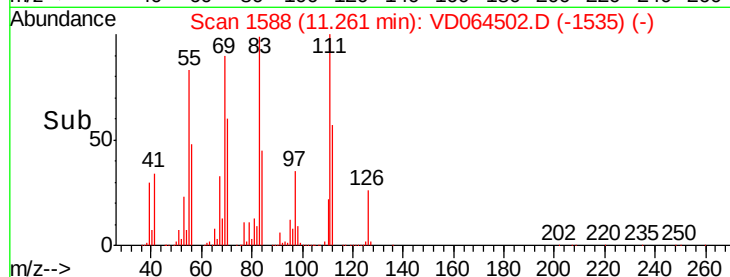
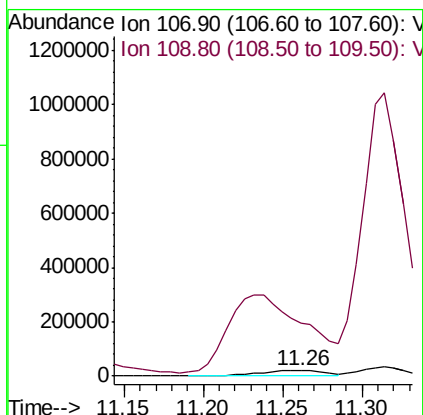
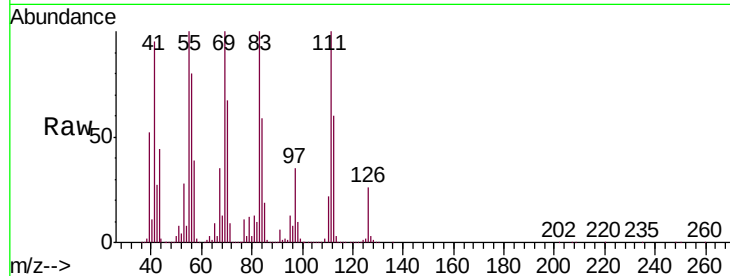




#61
 1,2-Dibromoethane
 Concen: 33.815 ug/l
 RT: 11.26 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: VD064502.D
 Acq: 11 Dec 2019 16:13

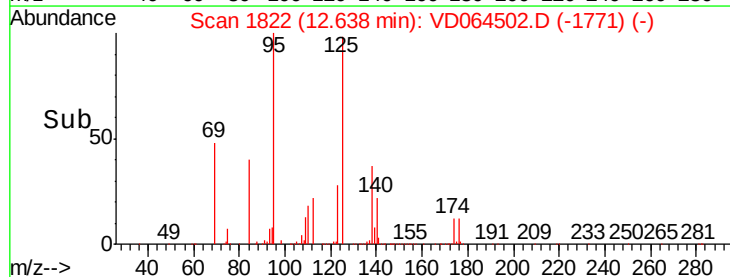
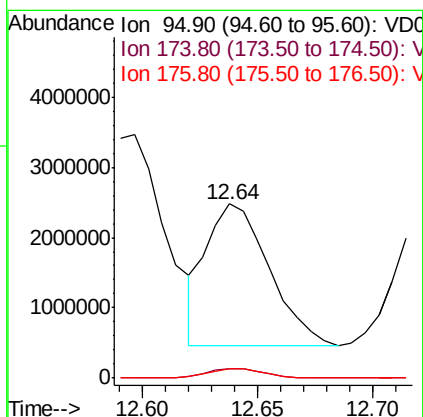
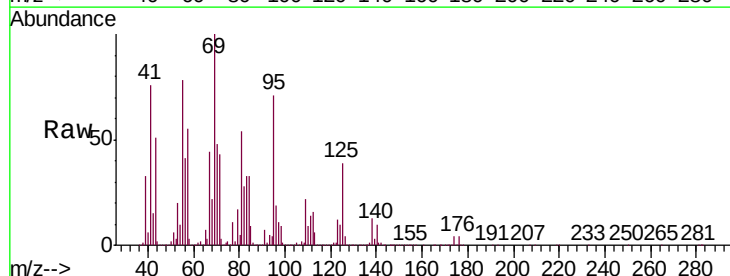
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1A-S2

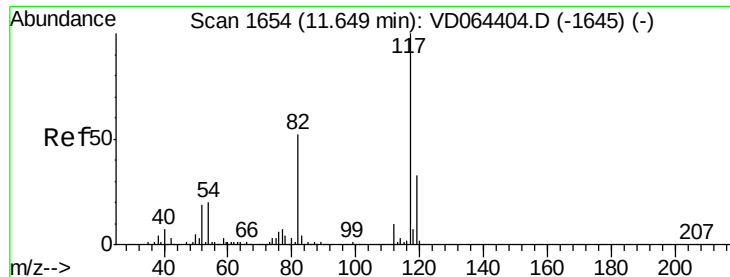
Tgt Ion: 107 Resp: 56956
 Ion Ratio Lower Upper
 107 100
 109 0.0 76.2 114.2#



#62
 4-Bromofluorobenzene
 Concen: 1438.503 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064502.D
 Acq: 11 Dec 2019 16:13

Tgt Ion: 95 Resp: 3811938
 Ion Ratio Lower Upper
 95 100
 174 6.1 0.0 197.2
 176 5.8 0.0 189.6

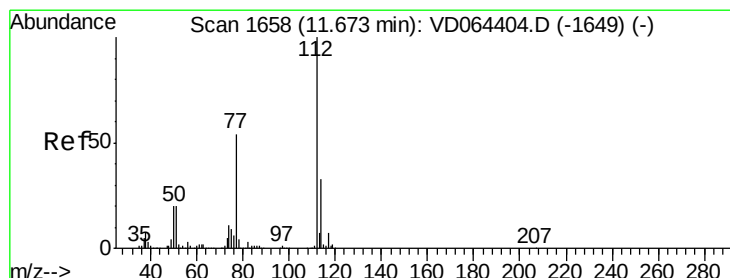
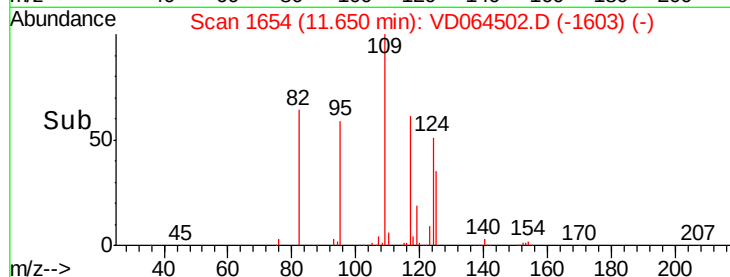
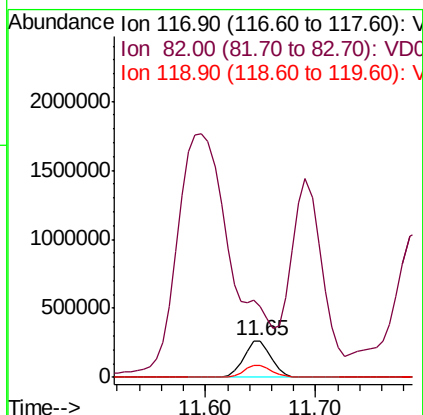
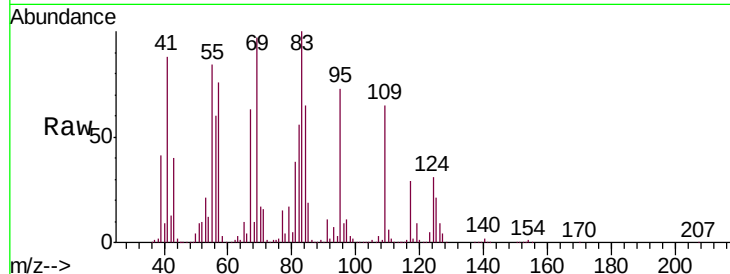




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

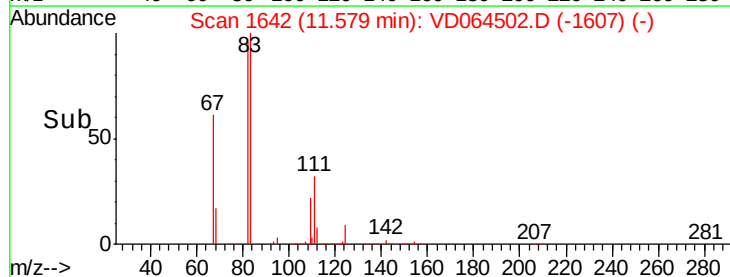
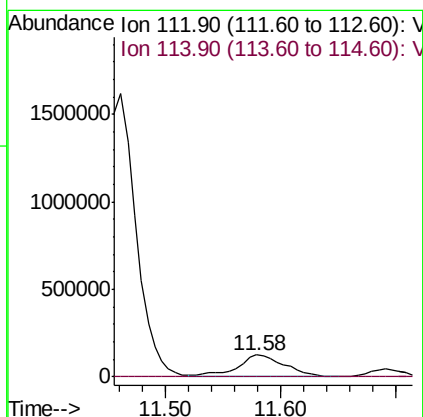
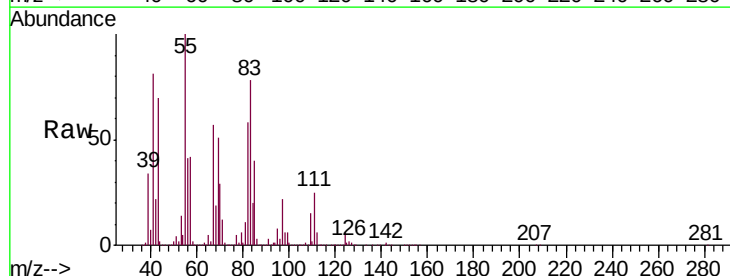
Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

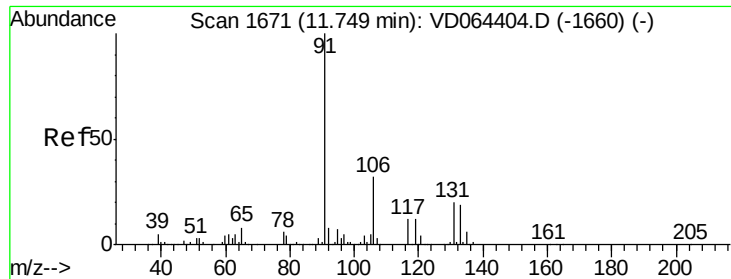
Tgt Ion:117 Resp: 462180
Ion Ratio Lower Upper
117 100
82 112.1 41.4 62.2#
119 31.8 26.2 39.2



#65
Chlorobenzene
Concen: 35.664 ug/l
RT: 11.58 min Scan# 1642
Delta R.T. -0.09 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

Tgt Ion:112 Resp: 343786
Ion Ratio Lower Upper
112 100
114 0.4 26.5 39.7#





#67

Ethyl Benzene

Concen: 20.605 ug/l

RT: 11.78 min Scan# 1677

Delta R.T. 0.04 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

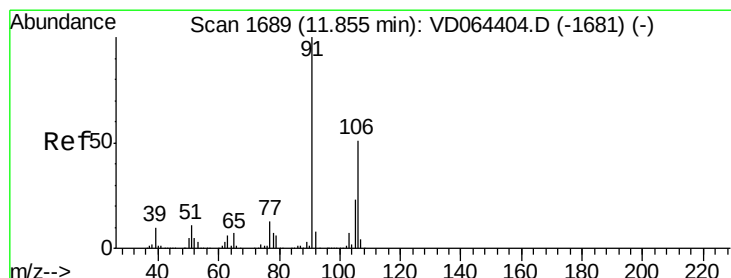
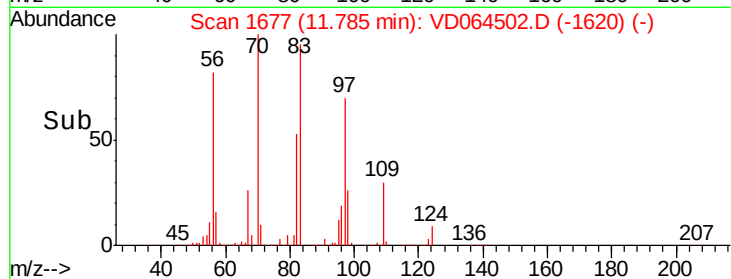
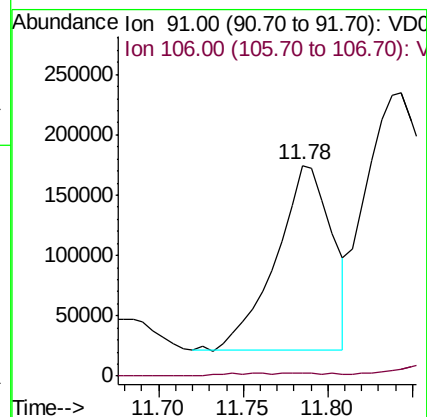
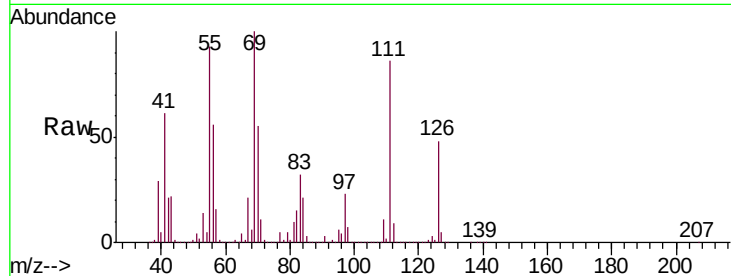
TP-1A-S2

Tgt Ion: 91 Resp: 353399

Ion Ratio Lower Upper

91 100

106 1.7 25.8 38.8#



#68

m/p-Xylenes

Concen: 2.872 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064502.D

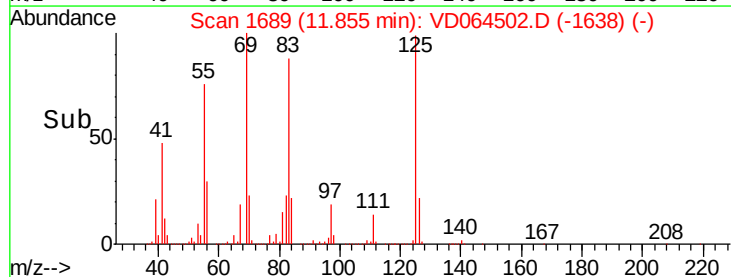
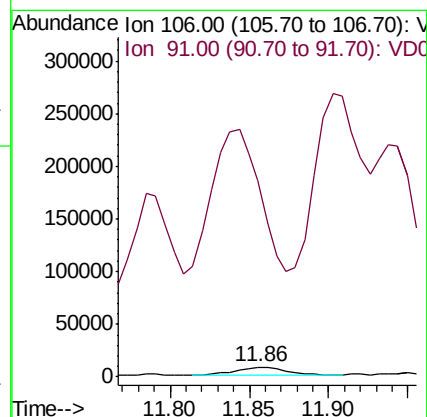
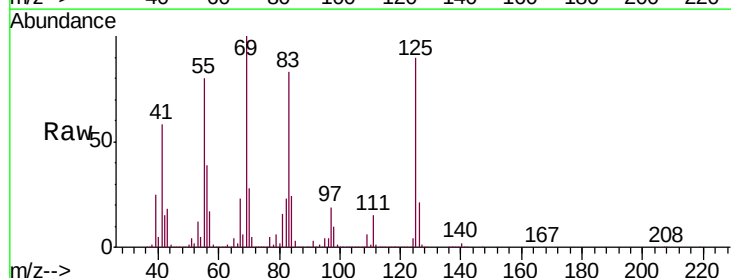
Acq: 11 Dec 2019 16:13

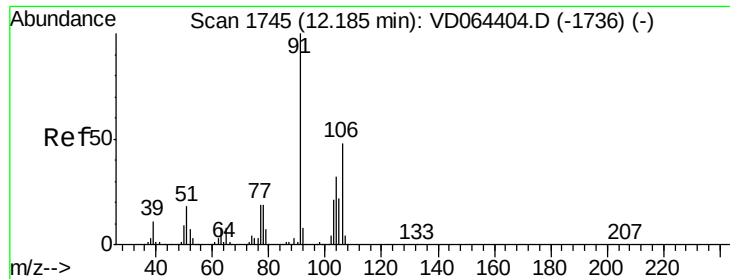
Tgt Ion: 106 Resp: 18784

Ion Ratio Lower Upper

106 100

91 1473.7 157.4 236.2#

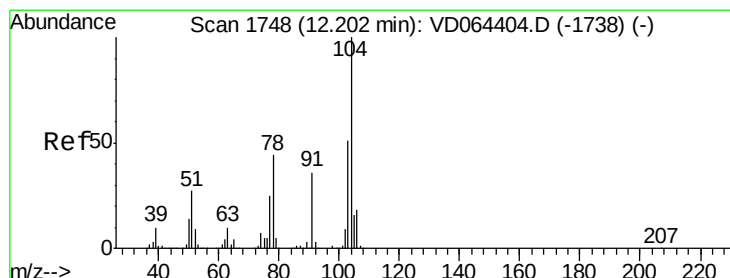
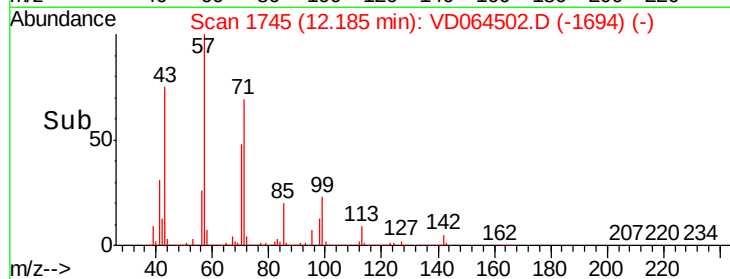
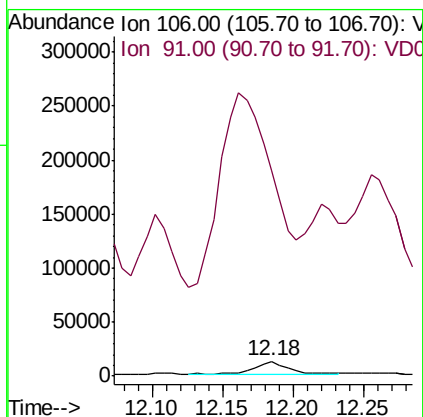
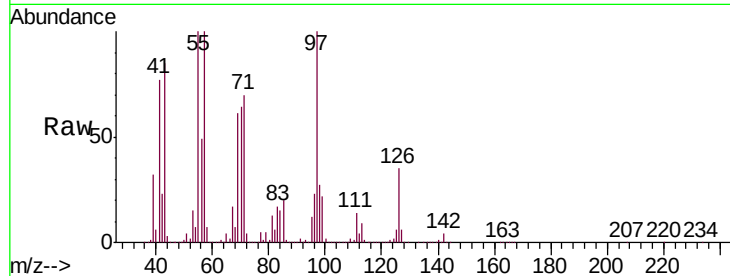




#69
o-Xylene
Concen: 3.297 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

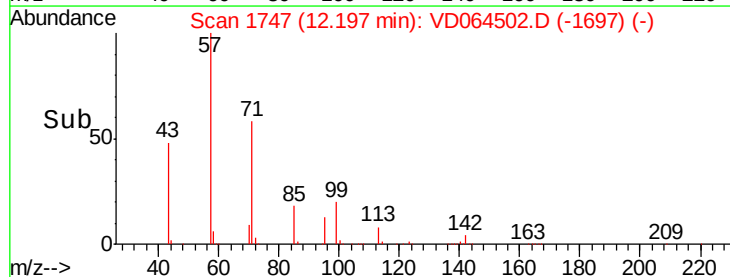
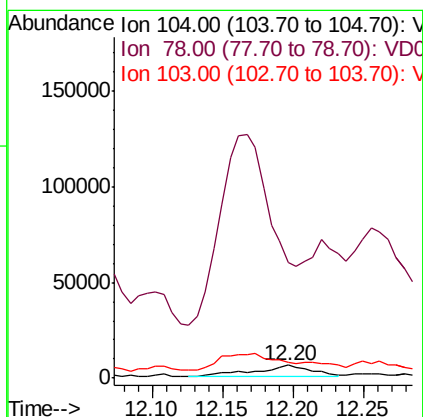
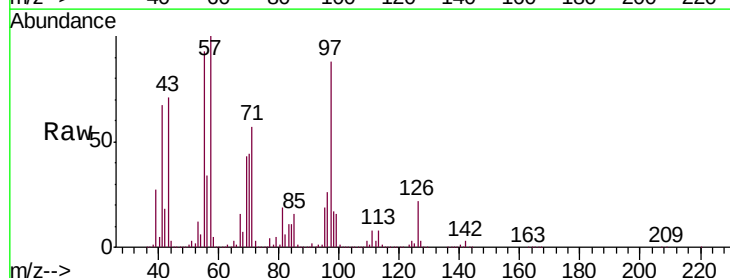
Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

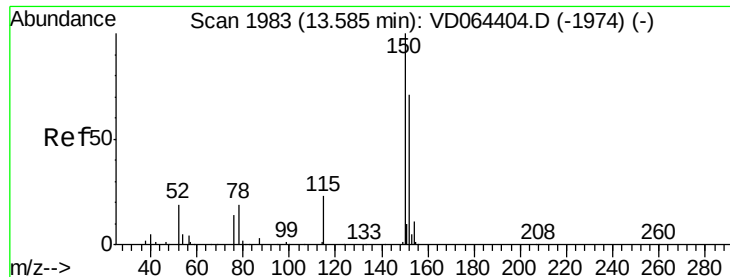
Tgt Ion:106 Resp: 19912
Ion Ratio Lower Upper
106 100
91 0.0 103.8 311.4#



#70
Styrene
Concen: 1.653 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064502.D
Acq: 11 Dec 2019 16:13

Tgt Ion:104 Resp: 17345
Ion Ratio Lower Upper
104 100
78 0.0 38.8 58.2#
103 0.0 44.2 66.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1980

Delta R.T. -0.02 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

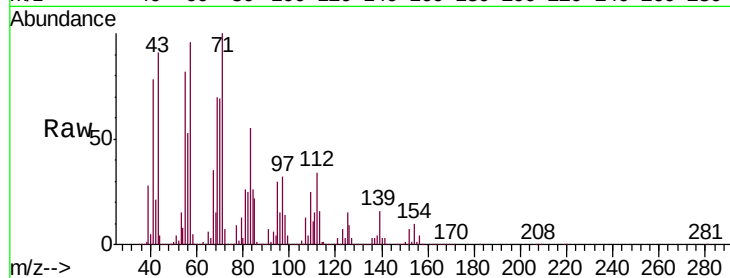
Tgt Ion:152 Resp: 1476043

Ion Ratio Lower Upper

152 100

115 13.6 26.7 80.1#

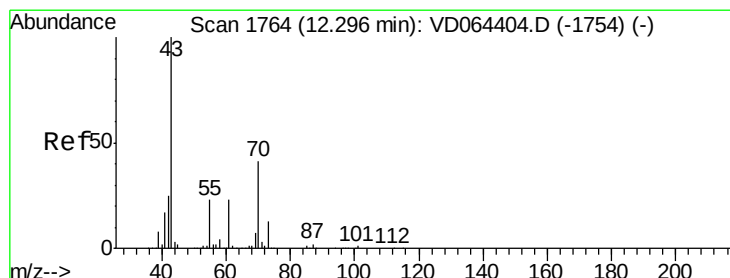
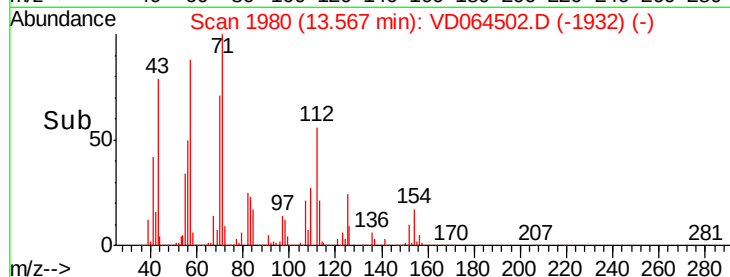
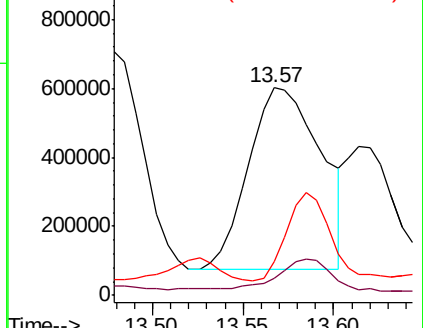
150 32.1 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-aryl acetate

Concen: 90.075 ug/l

RT: 12.28 min Scan# 1761

Delta R.T. -0.02 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Tgt Ion: 43 Resp: 2170278

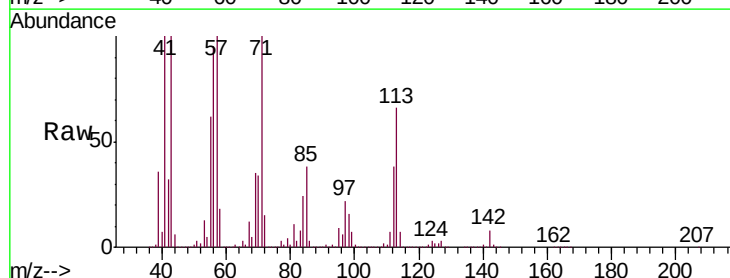
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 18.9 28.3#

61 0.0 18.5 27.7#

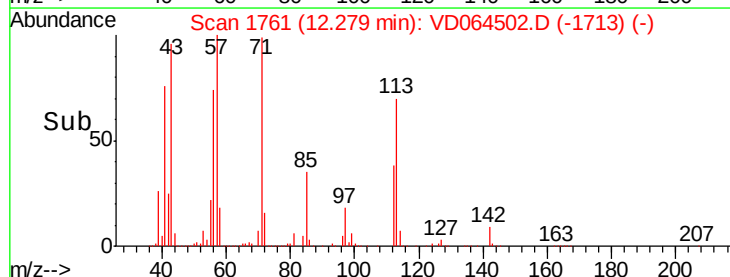
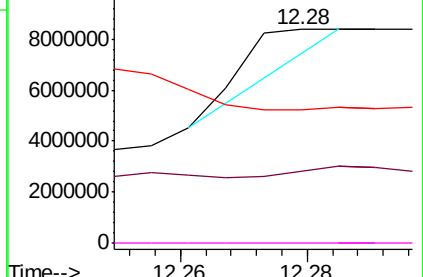


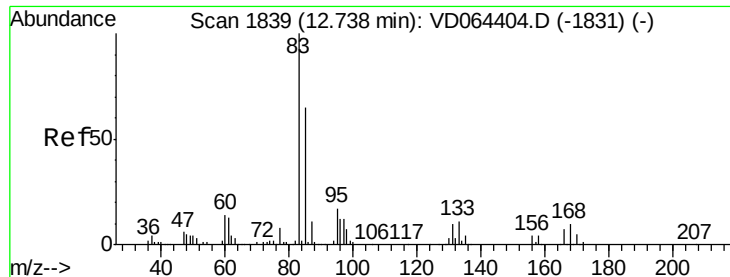
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 181.662 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

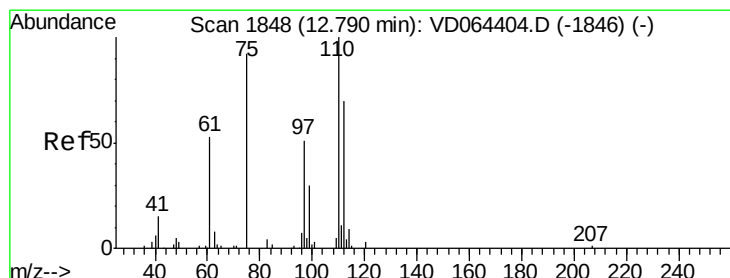
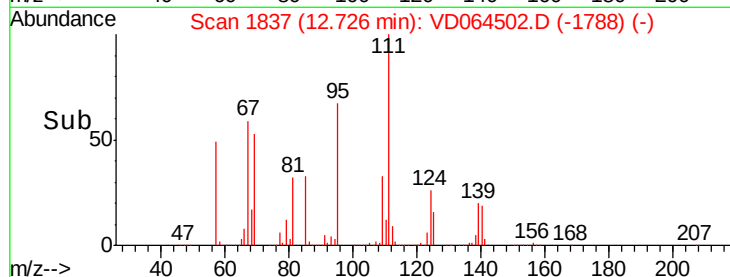
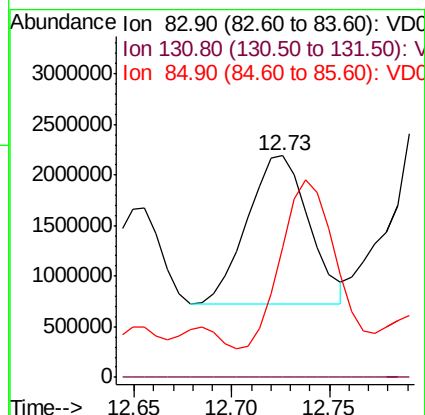
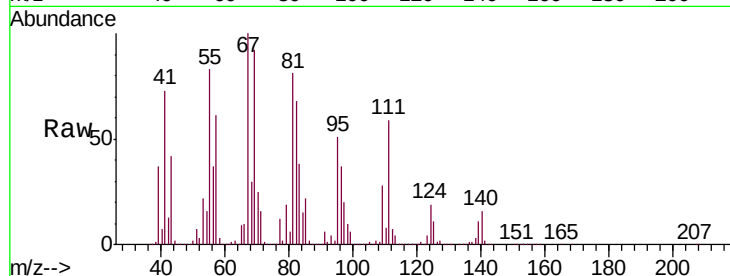
Tgt Ion: 83 Resp: 3189137

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

85 101.1 31.3 93.9#



#76

1,2,3-Trichloropropane

Concen: 3.185 ug/l

RT: 12.81 min Scan# 1852

Delta R.T. 0.02 min

Lab File: VD064502.D

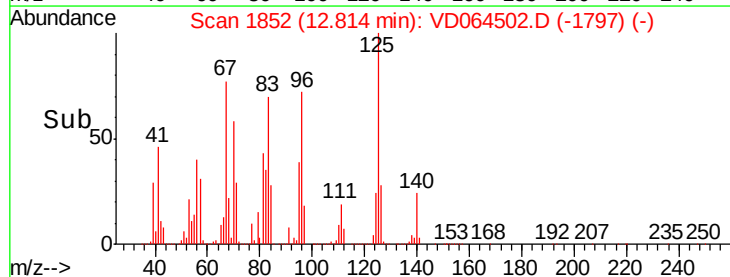
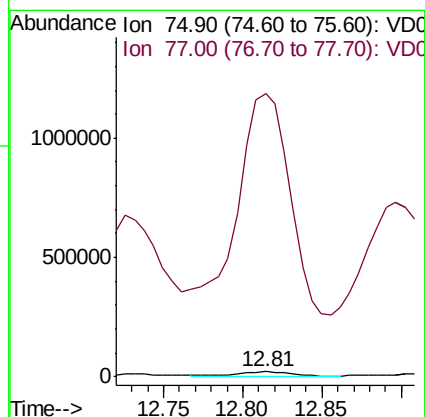
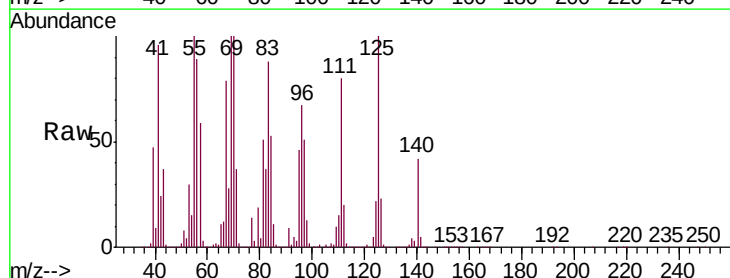
Acq: 11 Dec 2019 16:13

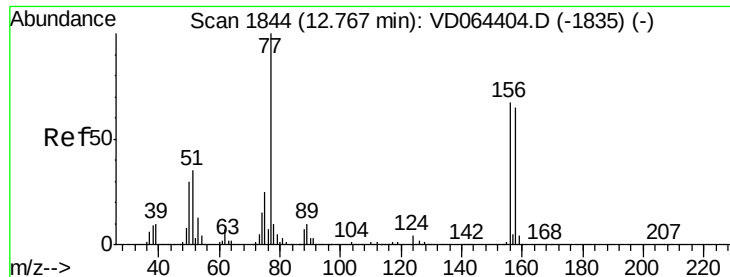
Tgt Ion: 75 Resp: 38666

Ion Ratio Lower Upper

75 100

77 5372.9 0.0 0.0#





#77

Bromobenzene

Concen: 3.977 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.03 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

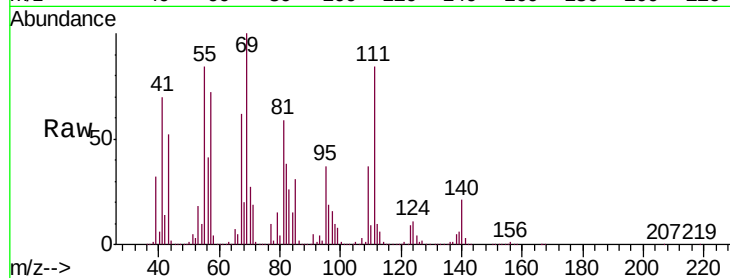
Tgt Ion:156 Resp: 104266

Ion Ratio Lower Upper

156 100

77 1065.6 80.0 240.2#

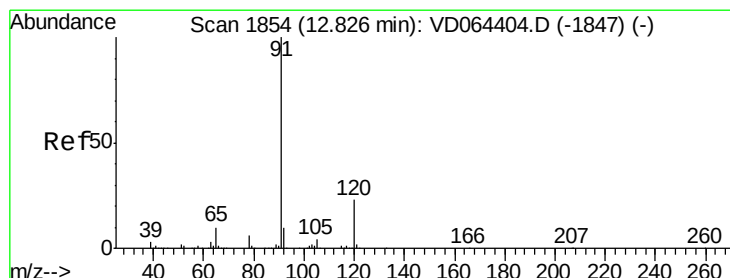
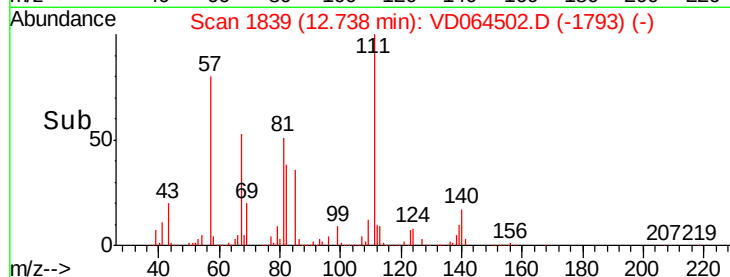
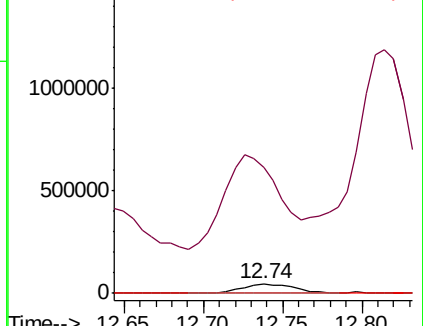
158 1.1 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 11.178 ug/l

RT: 12.81 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VD064502.D

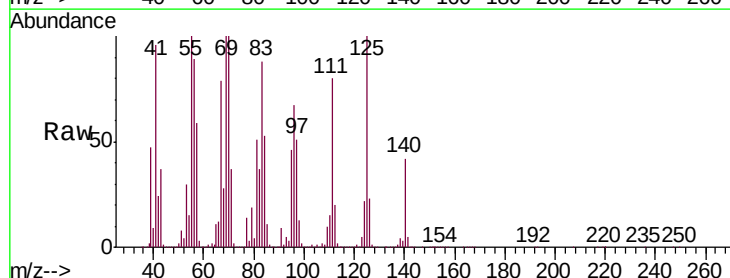
Acq: 11 Dec 2019 16:13

Tgt Ion: 91 Resp: 1369201

Ion Ratio Lower Upper

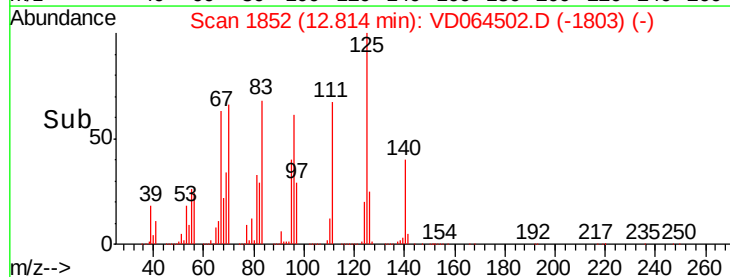
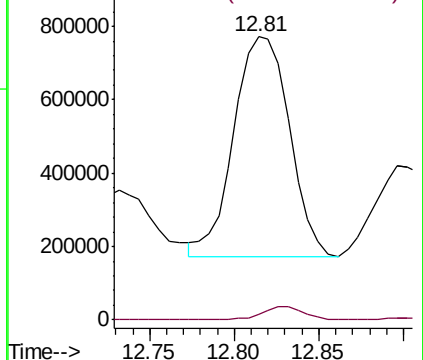
91 100

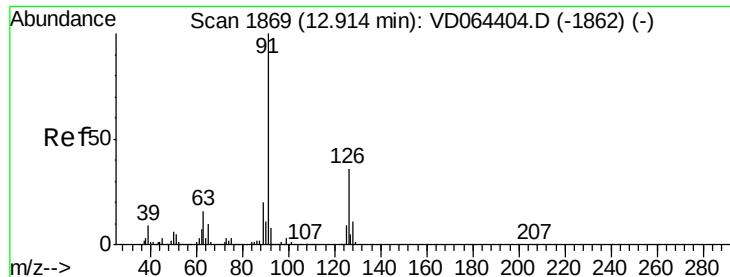
120 4.5 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

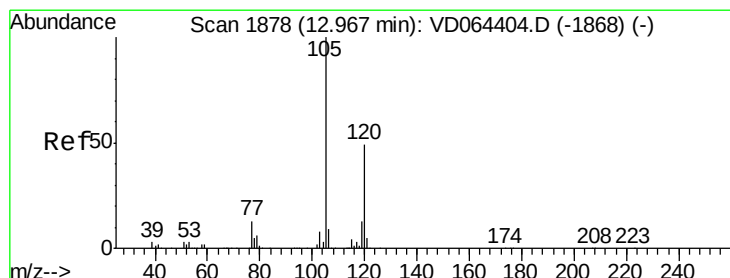
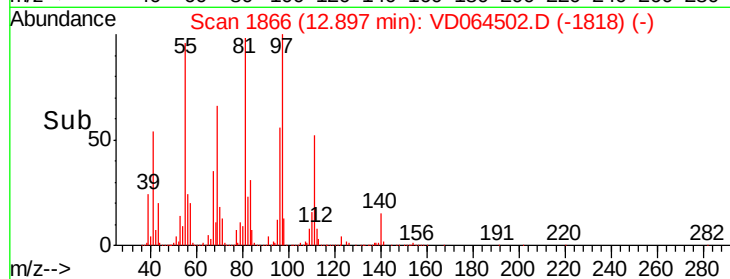
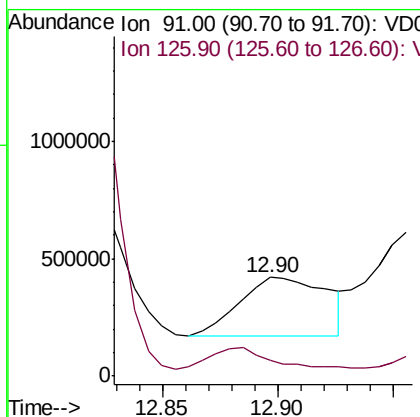
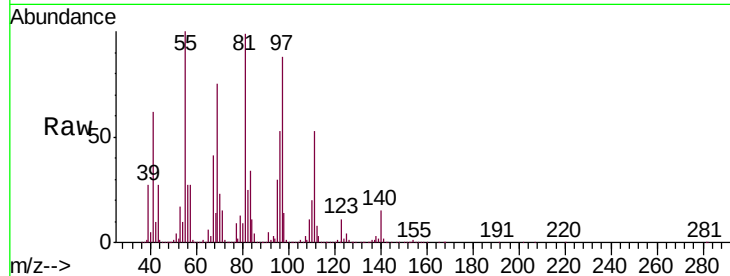




#79
 2-Chlorotoluene
 Concen: 9.672 ug/l
 RT: 12.90 min Scan# 1866
 Delta R.T. -0.02 min
 Lab File: VD064502.D
 Acq: 11 Dec 2019 16:13

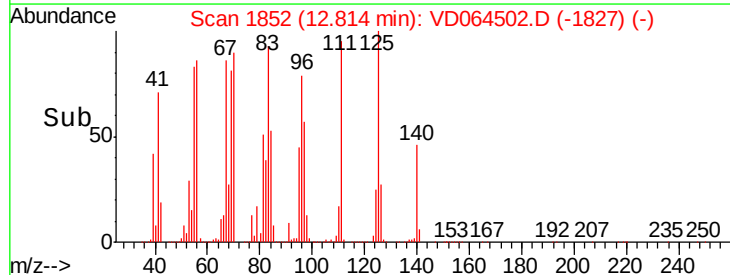
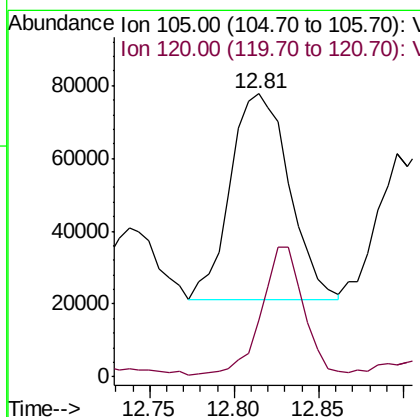
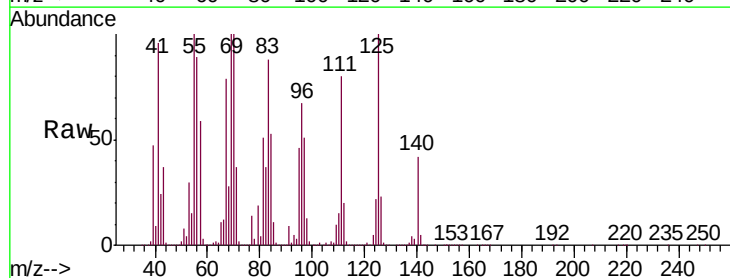
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1A-S2

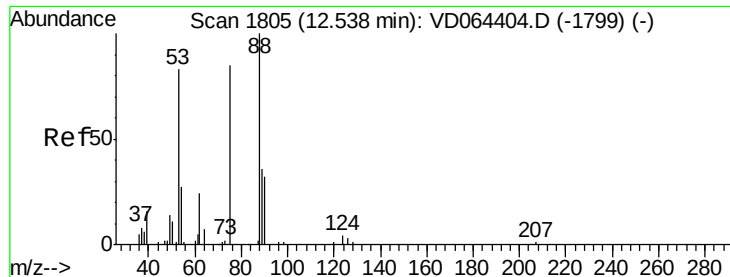
Tgt Ion: 91 Resp: 651860
 Ion Ratio Lower Upper
 91 100
 126 23.9 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 1.590 ug/l
 RT: 12.81 min Scan# 1852
 Delta R.T. -0.15 min
 Lab File: VD064502.D
 Acq: 11 Dec 2019 16:13

Tgt Ion: 105 Resp: 137918
 Ion Ratio Lower Upper
 105 100
 120 44.2 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 1.520 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

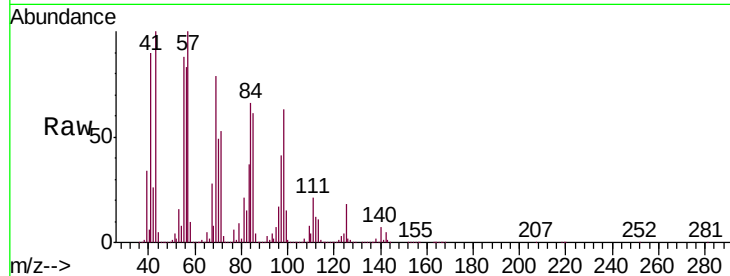
Tgt Ion: 75 Resp: 8460

Ion Ratio Lower Upper

75 100

53 37603.8 81.0 121.6#

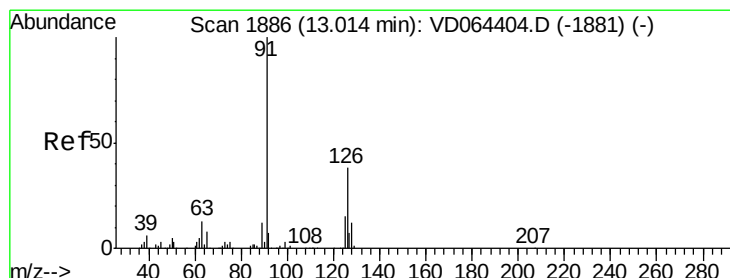
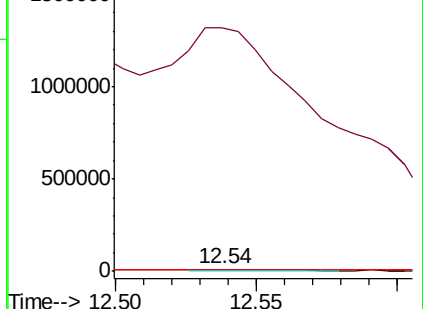
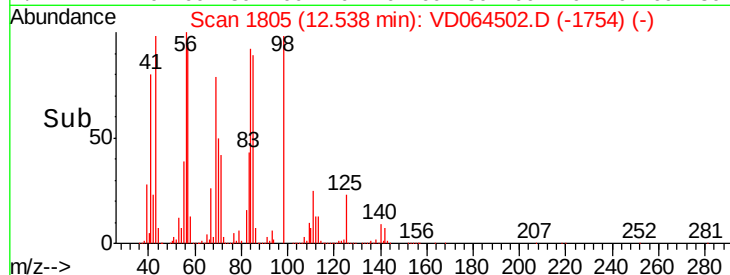
89 162.8 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 9.135 ug/l

RT: 12.90 min Scan# 1866

Delta R.T. -0.12 min

Lab File: VD064502.D

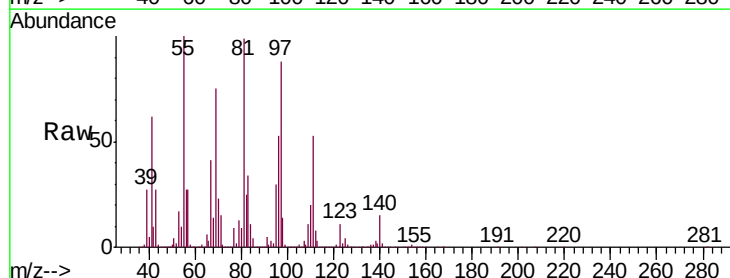
Acq: 11 Dec 2019 16:13

Tgt Ion: 91 Resp: 651860

Ion Ratio Lower Upper

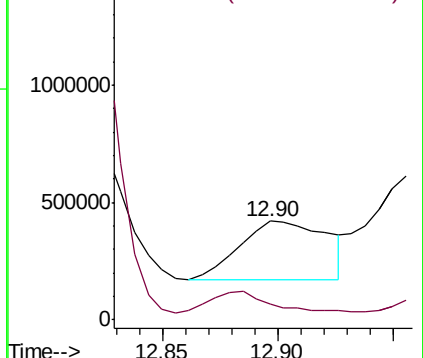
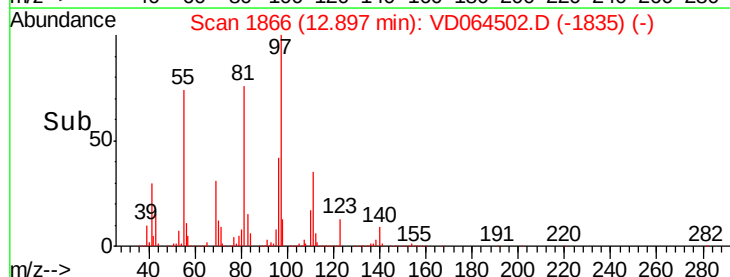
91 100

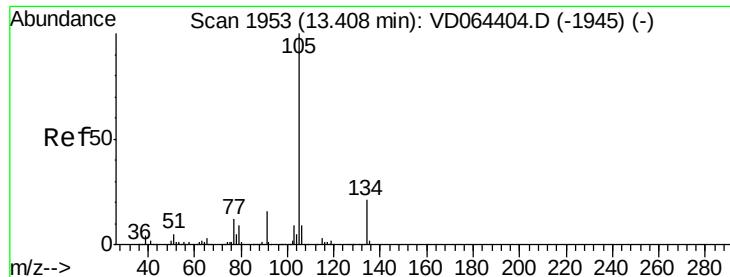
126 23.9 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#85

sec-Butylbenzene

Concen: 2.525 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

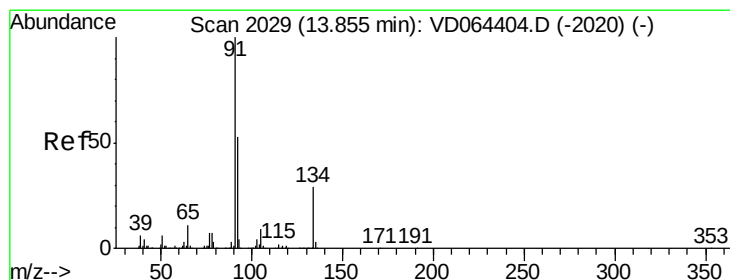
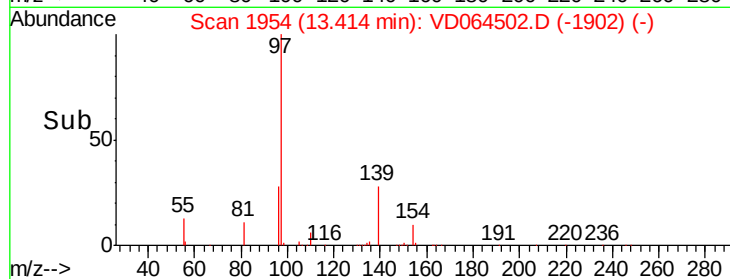
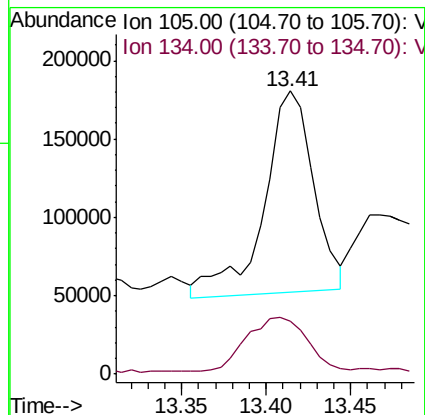
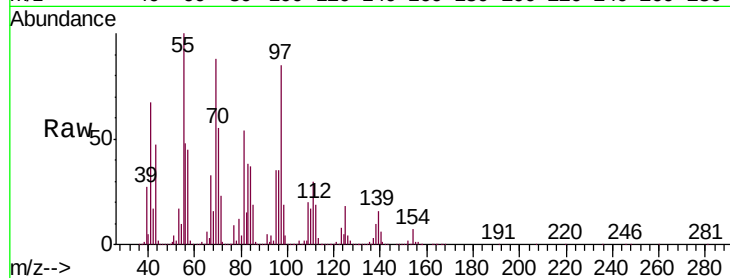
TP-1A-S2

Tgt Ion: 105 Resp: 261387

Ion Ratio Lower Upper

105 100

134 32.6 10.5 31.5#



#89

n-Butylbenzene

Concen: 10.279 ug/l

RT: 13.86 min Scan# 2030

Delta R.T. 0.01 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

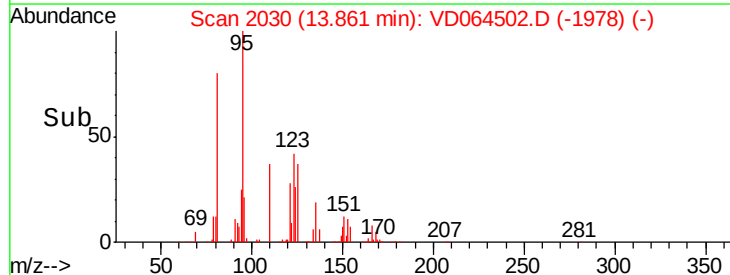
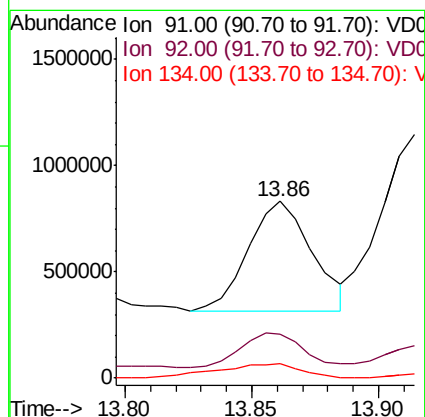
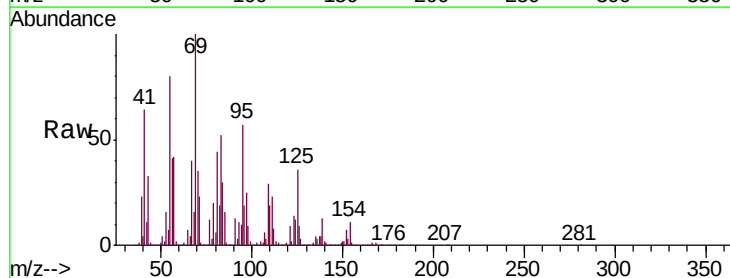
Tgt Ion: 91 Resp: 912197

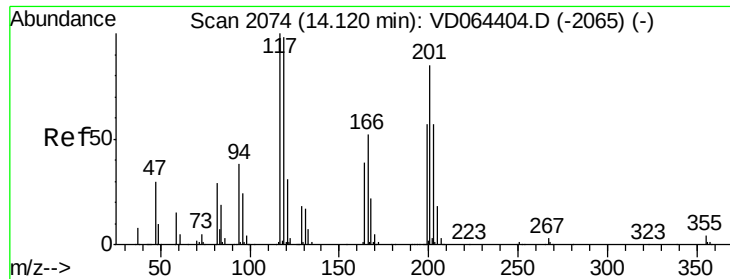
Ion Ratio Lower Upper

91 100

92 30.0 26.5 79.4

134 15.5 13.9 41.7





#90

Hexachloroethane

Concen: 7.283 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

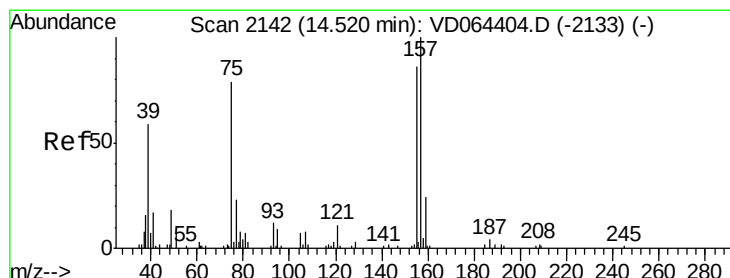
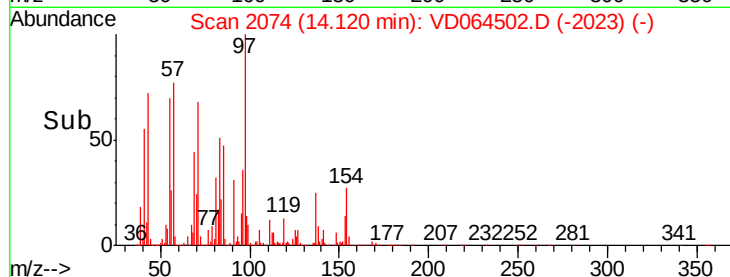
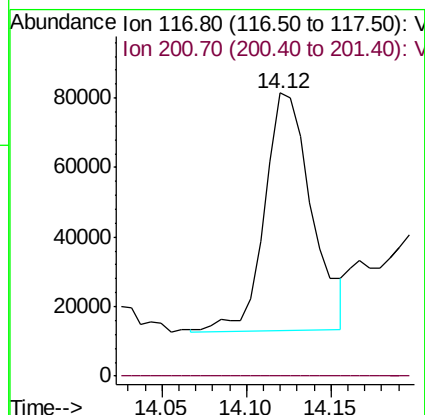
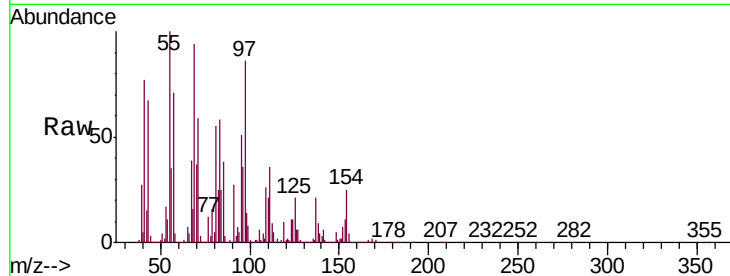
TP-1A-S2

Tgt Ion: 117 Resp: 133122

Ion Ratio Lower Upper

117 100

201 0.0 44.3 132.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.313 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.01 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

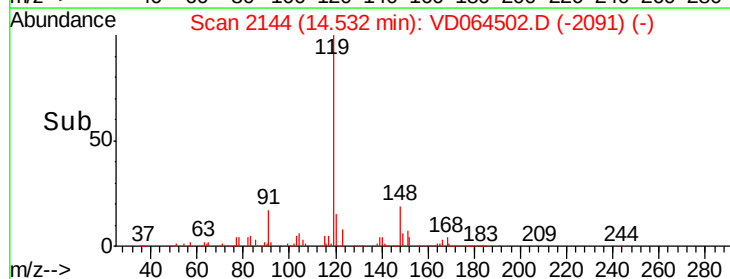
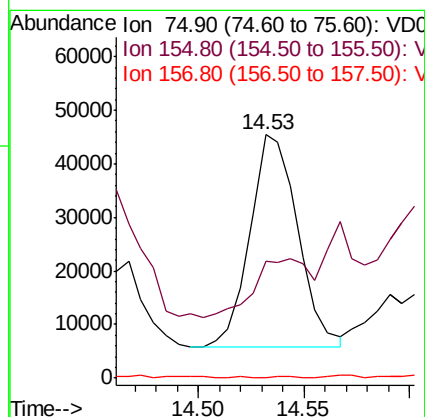
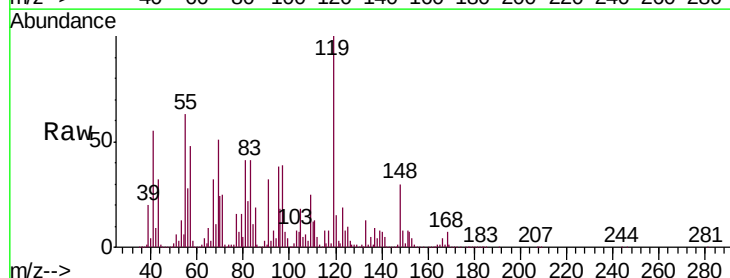
Tgt Ion: 75 Resp: 62499

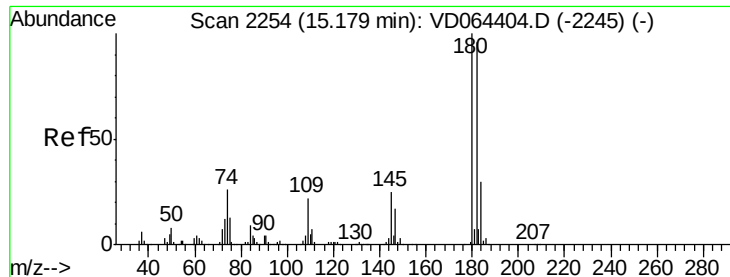
Ion Ratio Lower Upper

75 100

155 32.4 51.9 155.7#

157 0.3 63.2 189.8#





#93

1,2,4-Trichlorobenzene

Concen: 1.410 ug/l

RT: 15.18 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

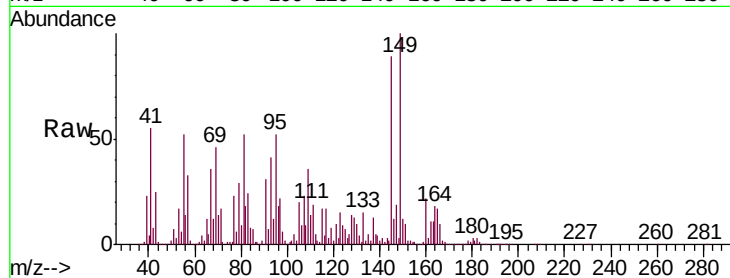
Tgt Ion:180 Resp: 45919

Ion Ratio Lower Upper

180 100

182 204.5 47.4 142.3#

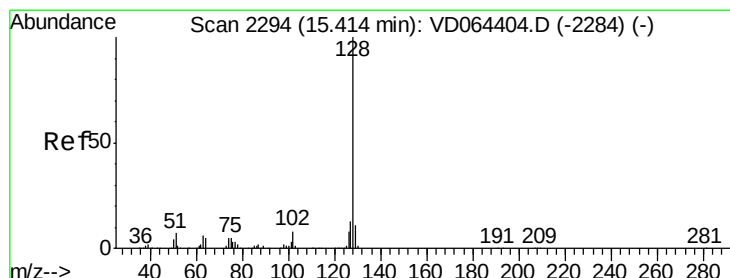
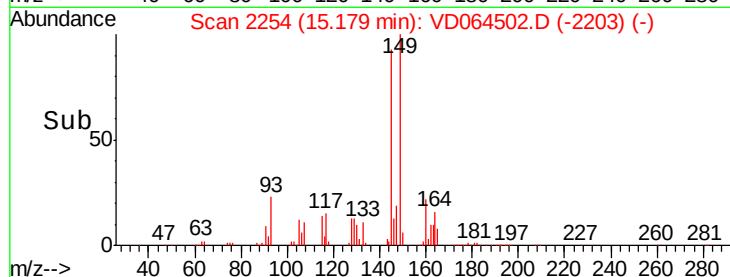
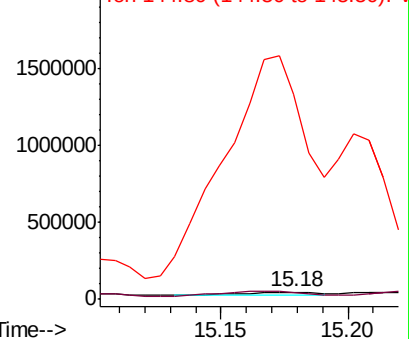
145 7189.3 14.0 41.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 3.847 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064502.D

Acq: 11 Dec 2019 16:13

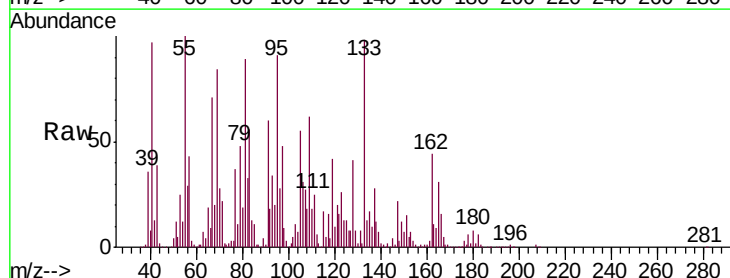
Tgt Ion:128 Resp: 209058

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

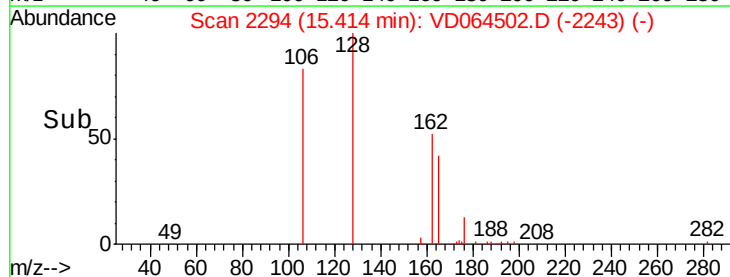
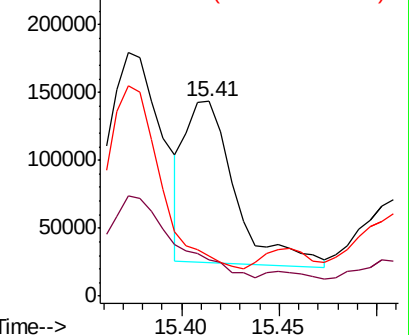
129 0.0 8.8 13.2#

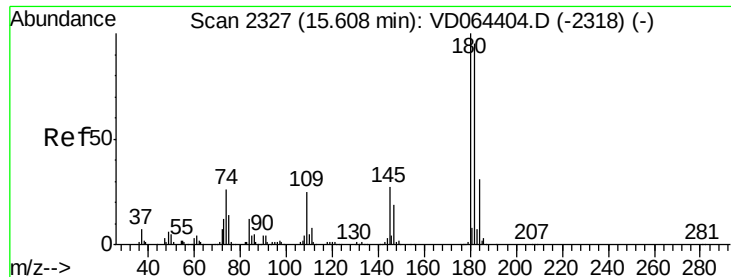


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.355 ug/l
 RT: 15.63 min Scan# 2330
 Delta R.T. 0.02 min
 Lab File: VD064502.D
 Acq: 11 Dec 2019 16:13

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1A-S2

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.6	142.9#
145	0.0	14.6	43.8#

