

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066754.D
 Acq On : 17 Sep 2020 19:41
 Operator : VA/SY
 Sample : L4051-05
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-ST-02-1-2

Quant Time: Sep 18 01:17:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	635701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	563727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170330	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	220702	58.28	ug/l	0.00
Spiked Amount			Recovery	=	116.56%	
35) Dibromofluoromethane	7.91	113	217409	55.78	ug/l	0.00
Spiked Amount			Recovery	=	111.56%	
50) Toluene-d8	10.34	98	764586	55.06	ug/l	0.00
Spiked Amount			Recovery	=	110.12%	
62) 4-Bromofluorobenzene	12.63	95	221158	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

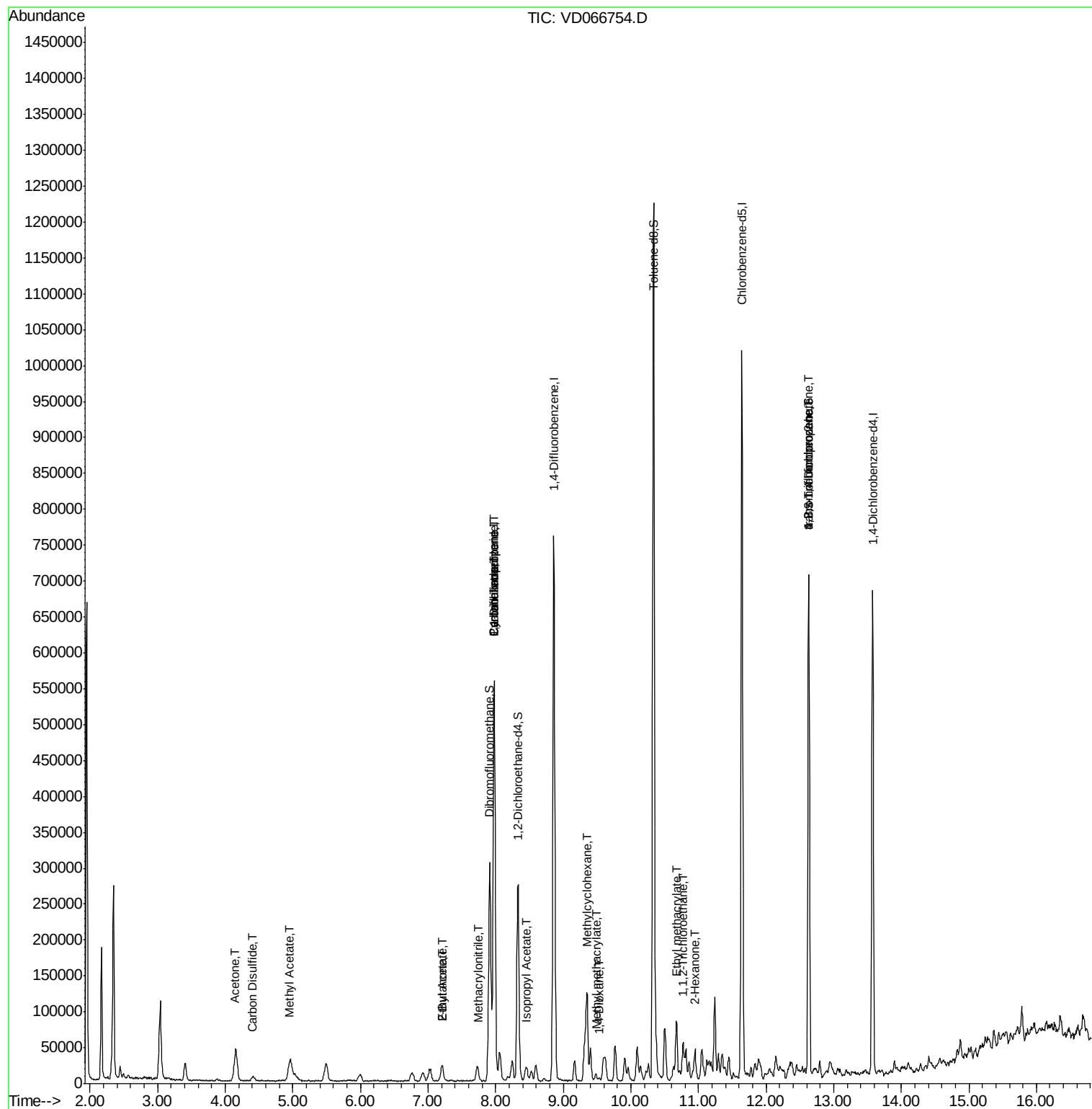
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	65	Below Cal	#	76
16) Acetone	4.15	43	72497	94.007	ug/l	96
17) Carbon Disulfide	4.40	76	14347	1.286	ug/l	99
18) Methyl Acetate	4.94	43	9102	2.073	ug/l	# 52
20) Methylene Chloride	4.97	84	14401	Below Cal	#	89
25) 2-Butanone	7.21	43	23606	23.507	ug/l	# 84
31) Cyclohexane	7.98	56	27818	4.158	ug/l	# 49
36) 1,1-Dichloropropene	7.97	75	31229	4.778	ug/l	# 53
37) Ethyl Acetate	7.21	43	23606	9.540	ug/l	# 70
38) Carbon Tetrachloride	7.98	117	39314	5.664	ug/l	# 17
39) Methylcyclohexane	9.36	83	48661	6.509	ug/l	91
41) Methacrylonitrile	7.74	41	4729	3.610	ug/l	# 46
43) Isopropyl Acetate	8.44	43	7169	1.539	ug/l	# 51
48) Methyl methacrylate	9.48	41	2573	1.086	ug/l	# 41
49) 1,4-Dioxane	9.54	88	55	2.137	ug/l	# 37
55) 1,1,2-Trichloroethane	10.77	97	16577	5.234	ug/l	# 19
56) Ethyl methacrylate	10.67	69	7811	2.173	ug/l	# 1
59) 2-Hexanone	10.95	43	16873	10.473	ug/l	# 33
76) 1,2,3-Trichloropropane	12.63	75	120399	82.581	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	120399	178.223	ug/l	# 8

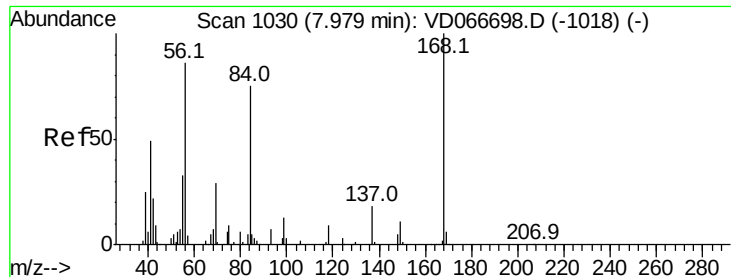
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066754.D

Acq: 17 Sep 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

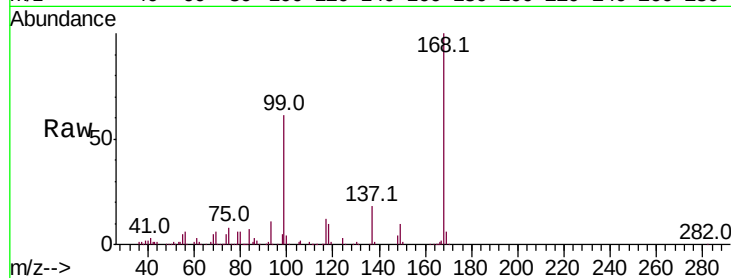
KTS-ST-02-1-2

Tot Ion:168 Resp: 354945

Ion Ratio Lower Upper

168 100

99 61.4 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

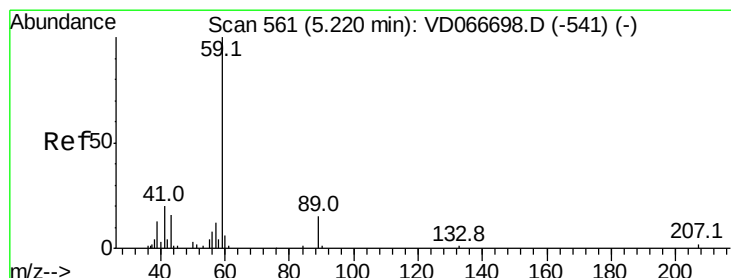
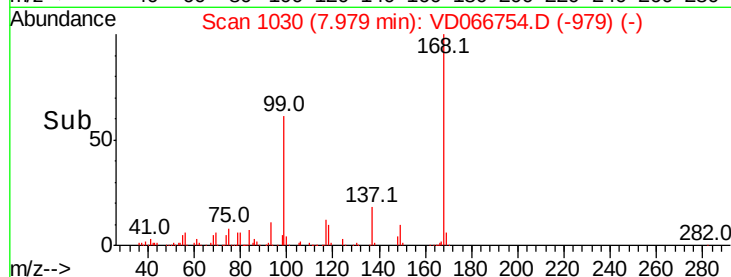
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066754.D

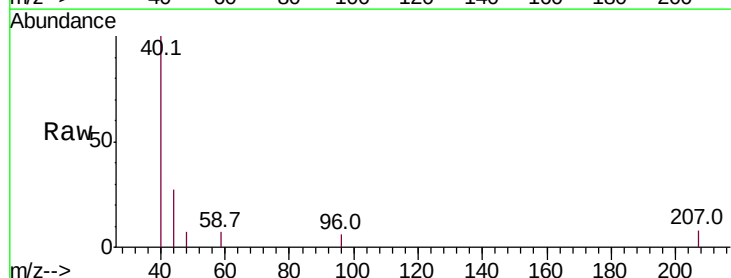
Acq: 17 Sep 2020 19:41

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

250

200

150

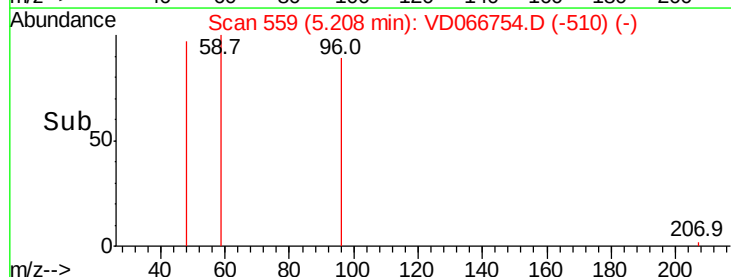
100

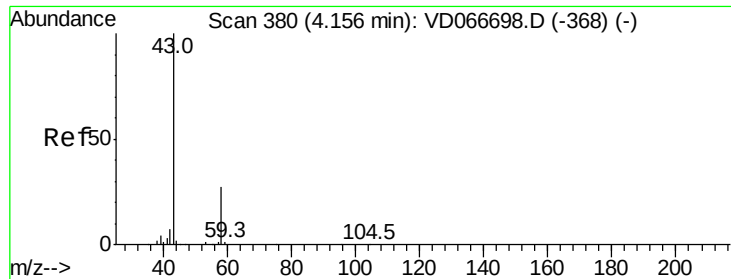
50

0

Time-->

5.19 5.20 5.21 5.22





#16

Acetone

Concen: 94.007 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066754.D

Acq: 17 Sep 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

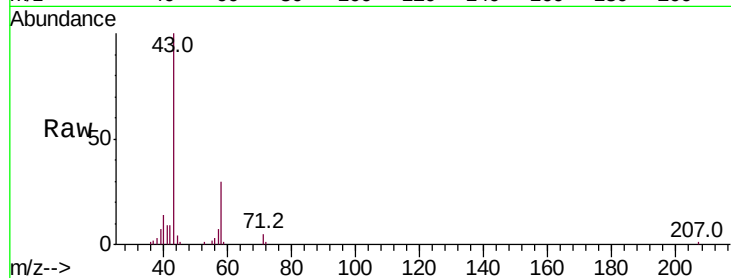
KTS-ST-02-1-2

Tot Ion: 43 Resp: 72497

Ion Ratio Lower Upper

43 100

58 29.7 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

25000

20000

15000

10000

5000

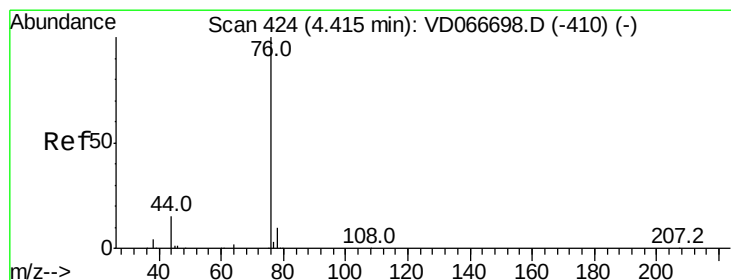
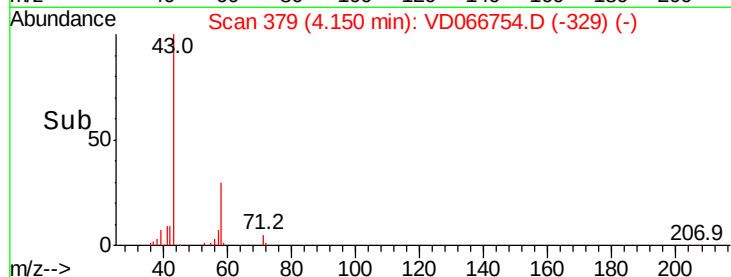
0

4.15

4.10

4.20

Time-->



#17

Carbon Disulfide

Concen: 1.286 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.02 min

Lab File: VD066754.D

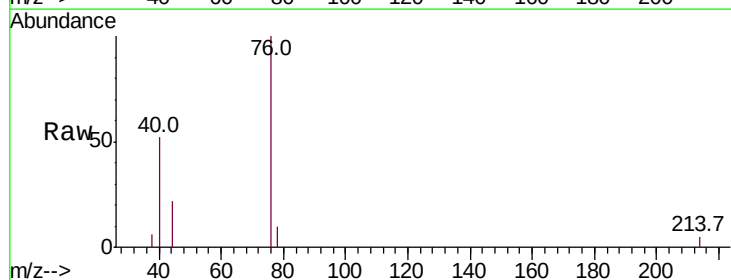
Acq: 17 Sep 2020 19:41

Tgt Ion: 76 Resp: 14347

Ion Ratio Lower Upper

76 100

78 10.5 8.0 12.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

6000

5000

4000

3000

2000

1000

0

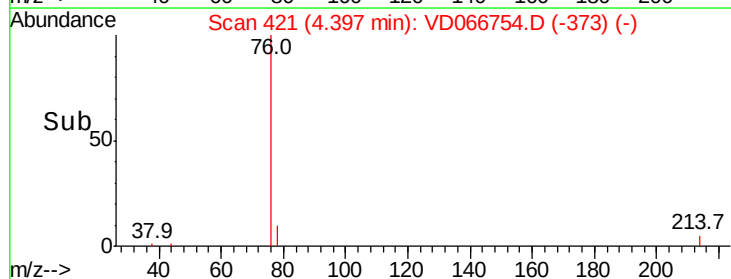
4.40

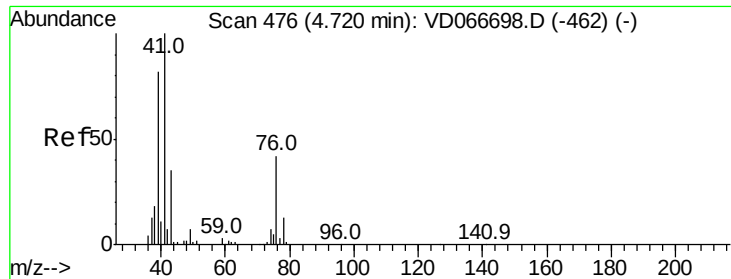
4.35

4.45

4.50

Time-->

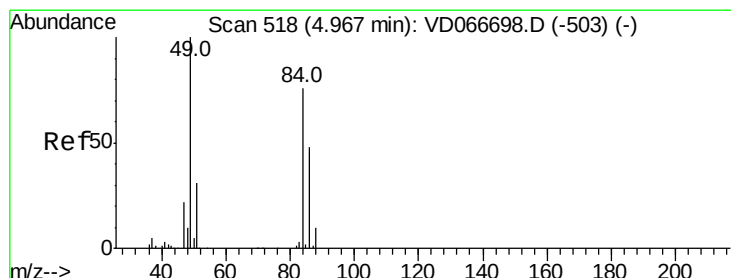
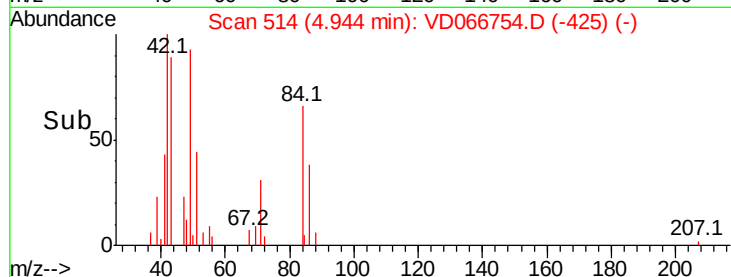
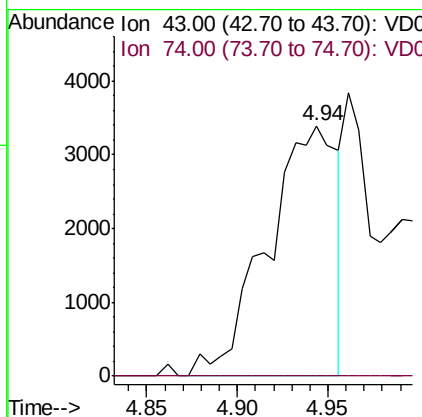
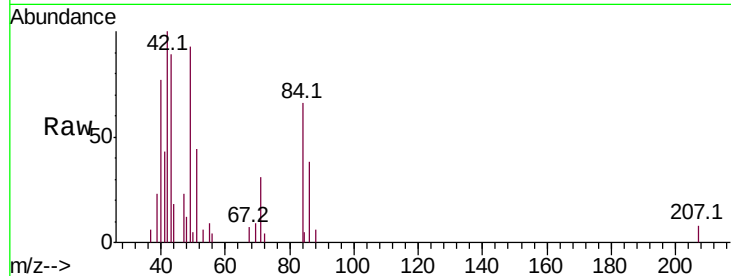




#18
Methyl Acetate
Concen: 2.073 ug/l
RT: 4.94 min Scan# 514
Delta R.T. 0.22 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

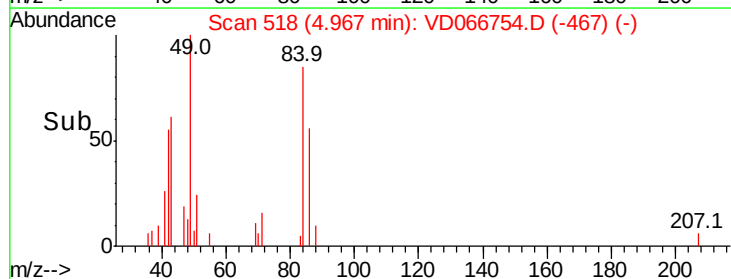
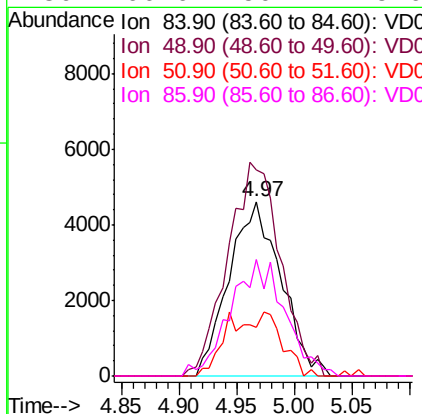
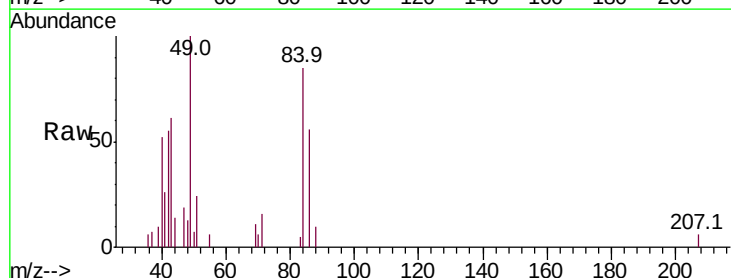
Instrument :
MSVOA_D
ClientSampleId :
KTS-ST-02-1-2

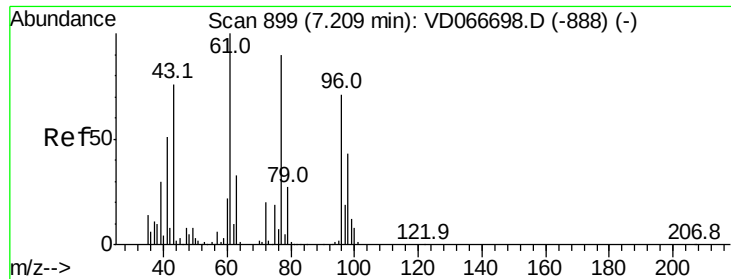
Tot Ion: 43 Resp: 9102
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

Tgt Ion: 84 Resp: 14401
Ion Ratio Lower Upper
84 100
49 118.0 105.0 157.6
51 27.8 32.2 48.4#
86 66.6 50.4 75.6

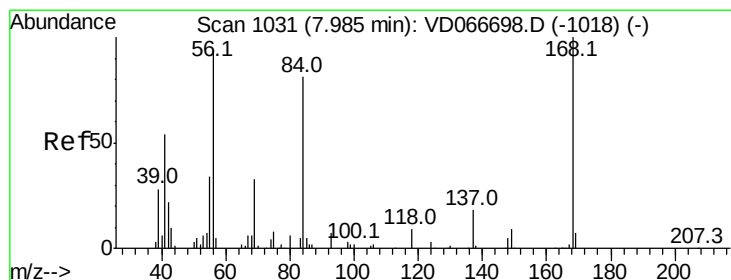
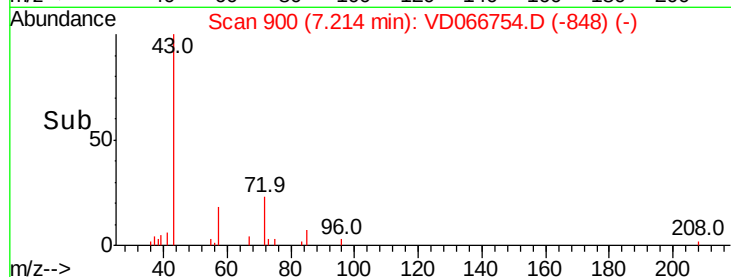
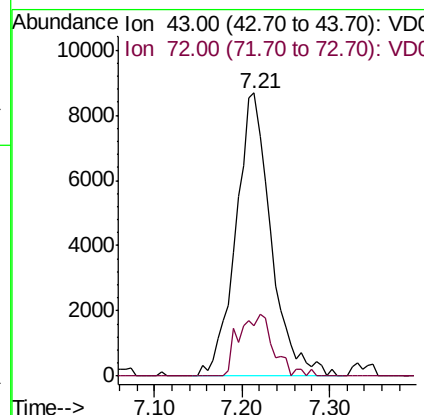
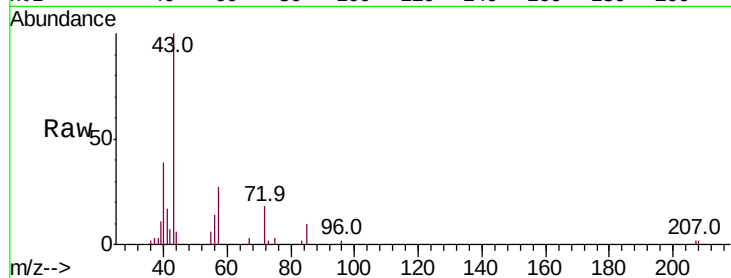




#25
2-Butanone
Concen: 23.507 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

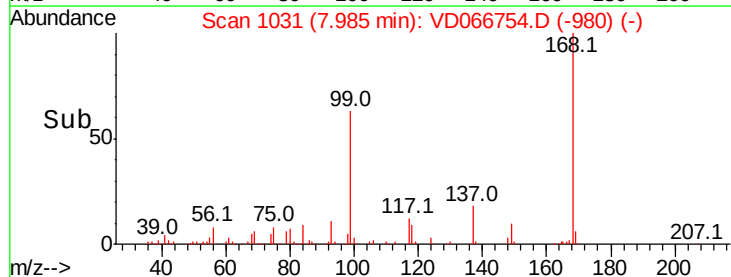
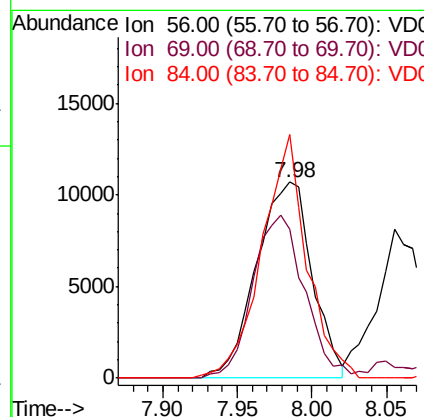
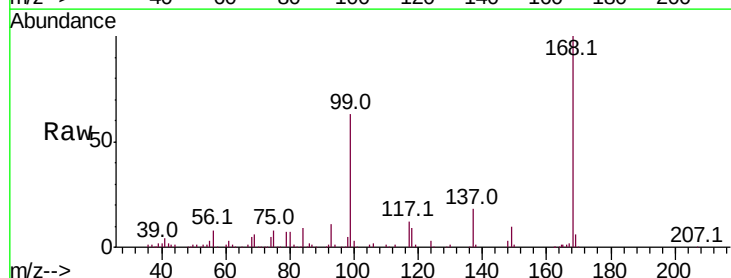
Instrument :
MSVOA_D
ClientSampleId :
KTS-ST-02-1-2

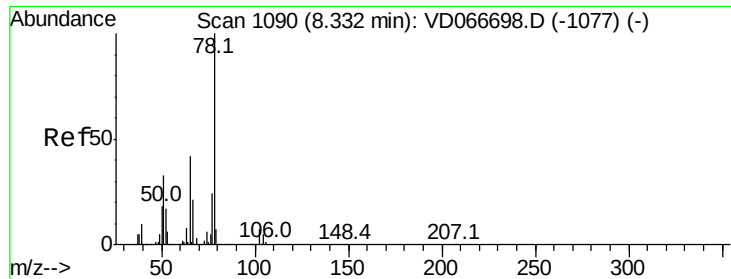
Tot Ion: 43 Resp: 23606
Ion Ratio Lower Upper
43 100
72 17.9 21.0 31.4#



#31
Cyclohexane
Concen: 4.158 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

Tgt Ion: 56 Resp: 27818
Ion Ratio Lower Upper
56 100
69 75.9 27.7 41.5#
84 124.3 68.5 102.7#

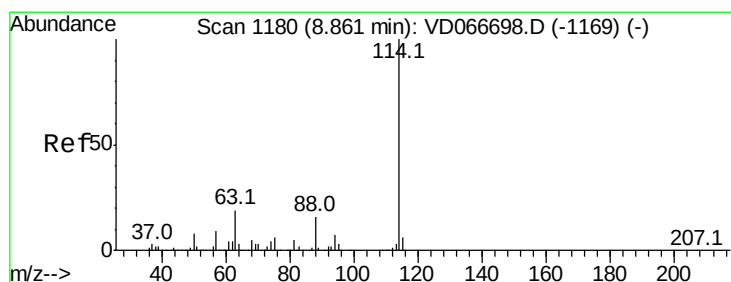
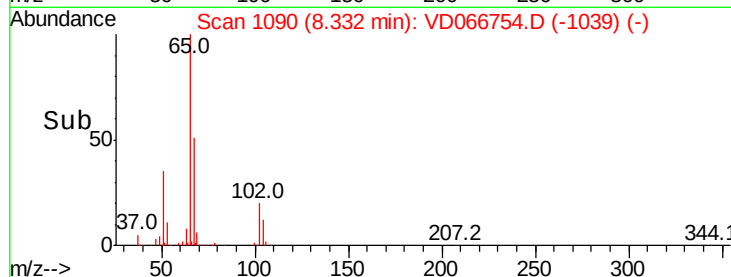
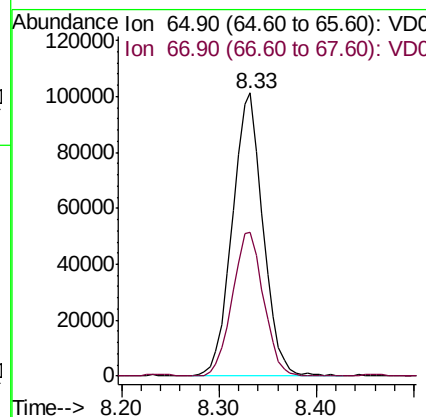
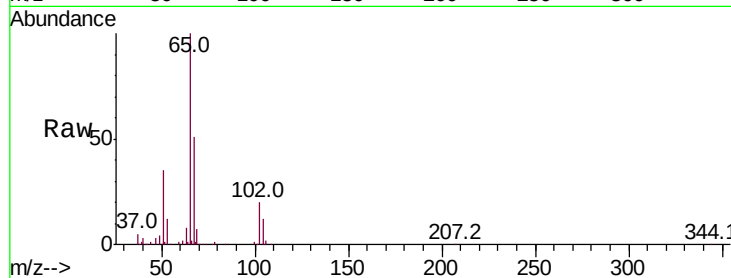




#33
 1,2-Dichloroethane-d4
 Concen: 58.278 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066754.D
 Acq: 17 Sep 2020 19:41

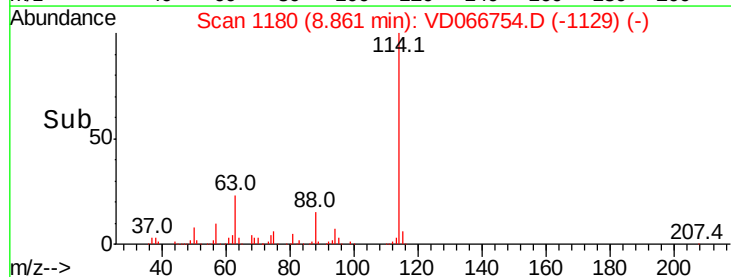
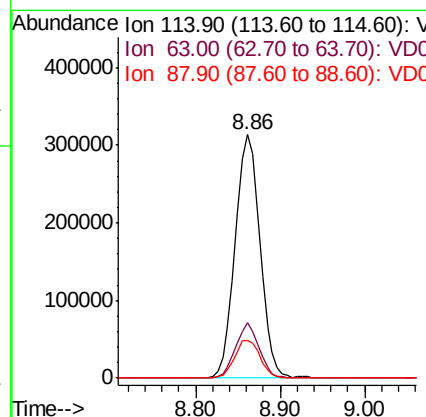
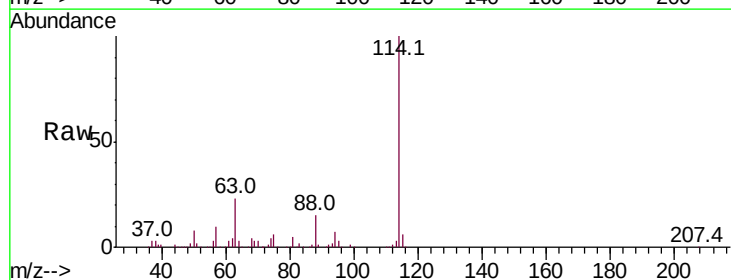
Instrument :
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 ClientSampleId :
 KTS-ST-02-1-2

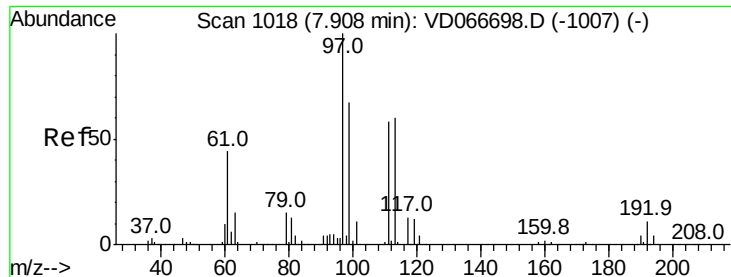
Tot Ion: 65 Resp: 220702
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066754.D
 Acq: 17 Sep 2020 19:41

Tgt Ion: 114 Resp: 635701
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 37.6
 88 15.3 0.0 32.2

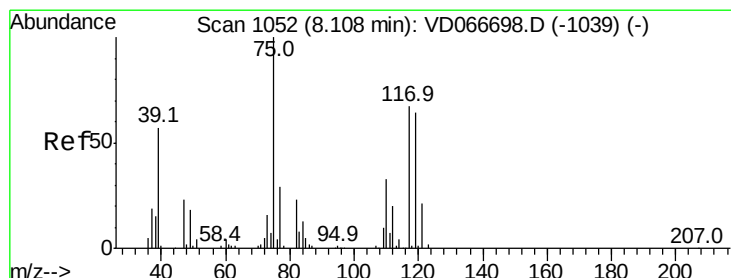
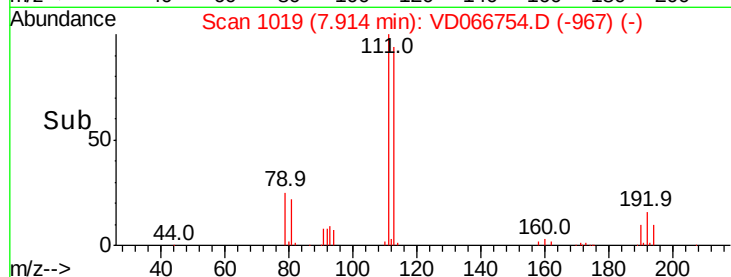
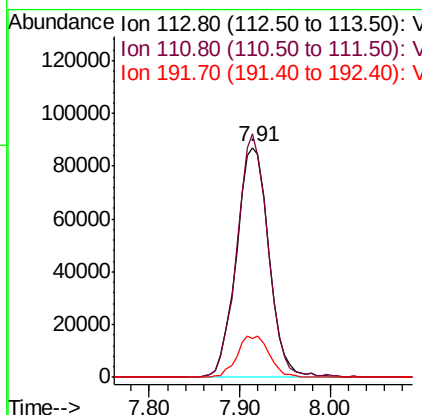
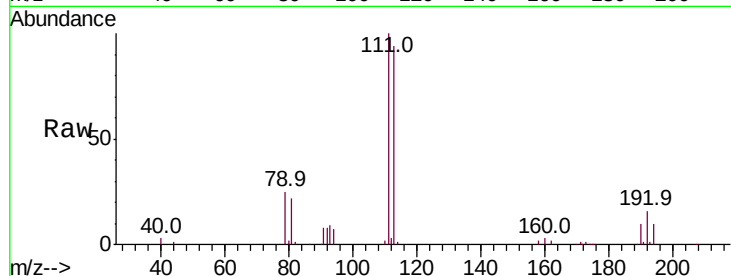




#35
 Dibromofluoromethane
 Concen: 55.782 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066754.D
 Acq: 17 Sep 2020 19:41

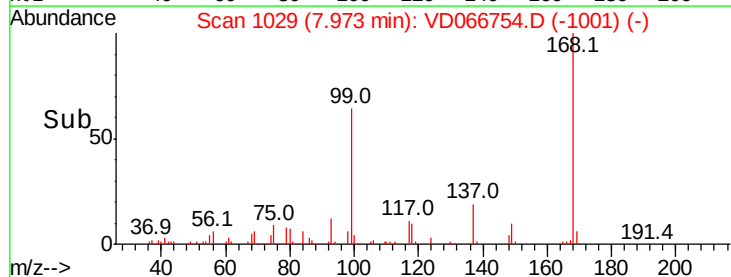
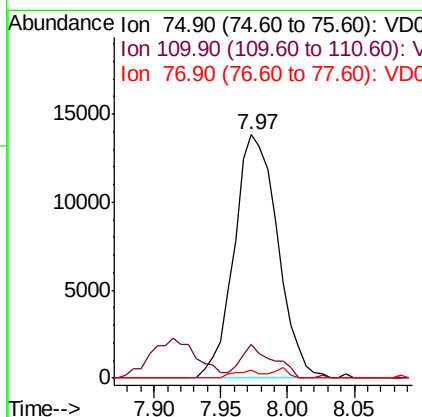
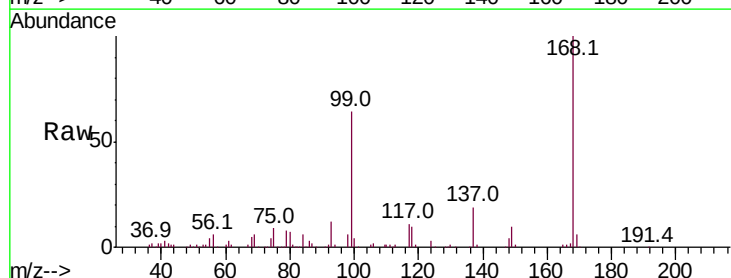
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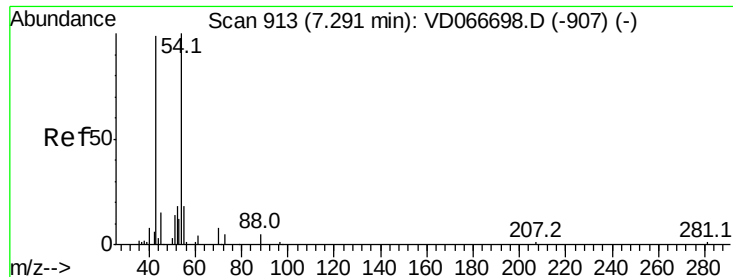
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.2	124.8
192	17.9	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 4.778 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066754.D
 Acq: 17 Sep 2020 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	17.1	51.2#
77	2.0	25.0	37.6#

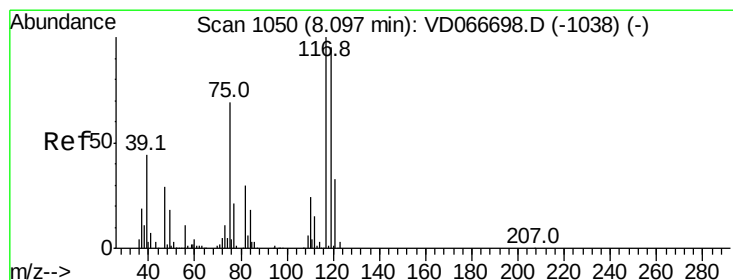
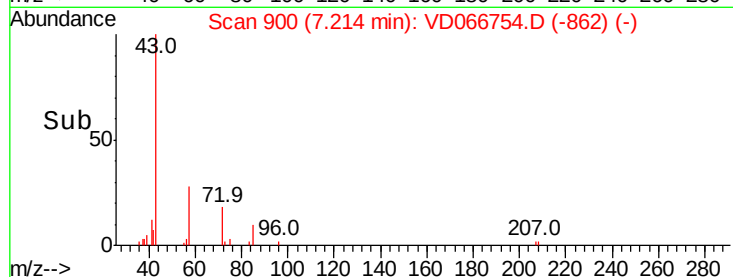
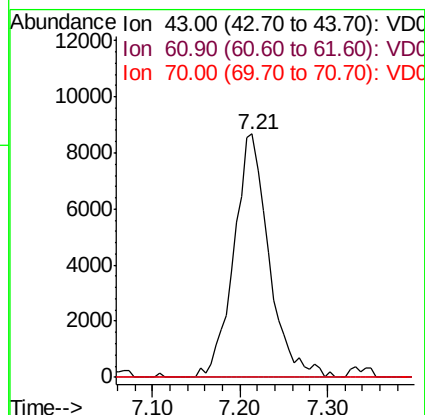
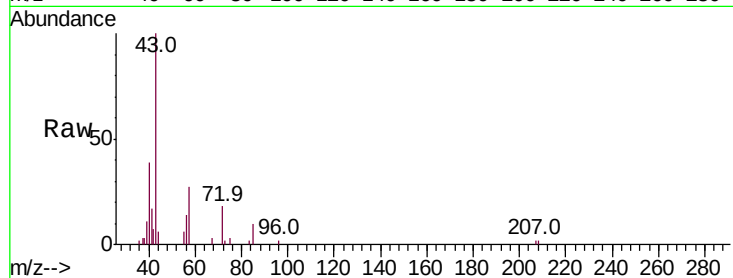




#37
Ethyl Acetate
Concen: 9.540 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.08 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

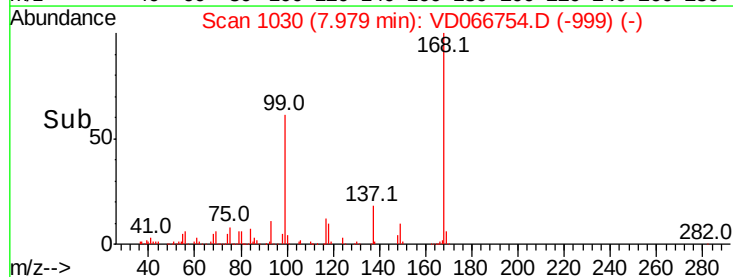
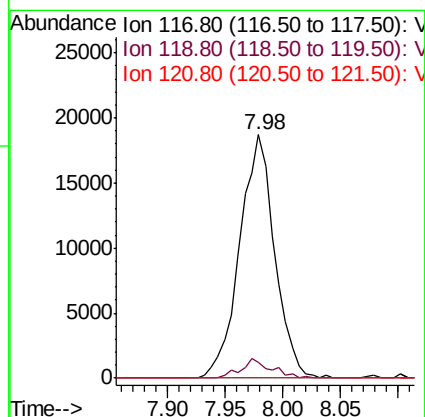
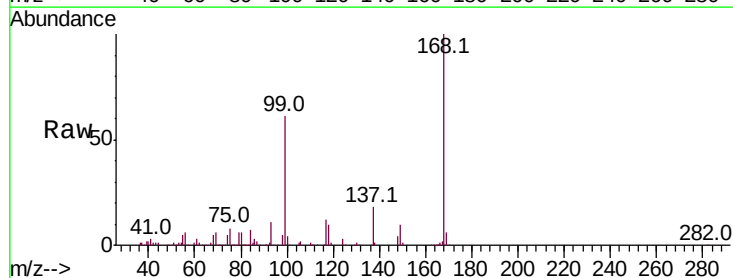
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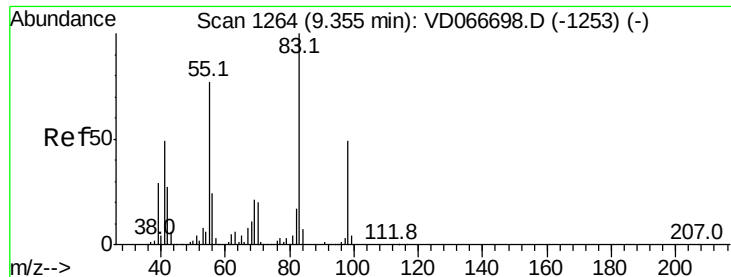
Tot Ion: 43 Resp: 23606
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.664 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

Tgt Ion: 117 Resp: 39314
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.6#
121 0.0 26.2 39.4#

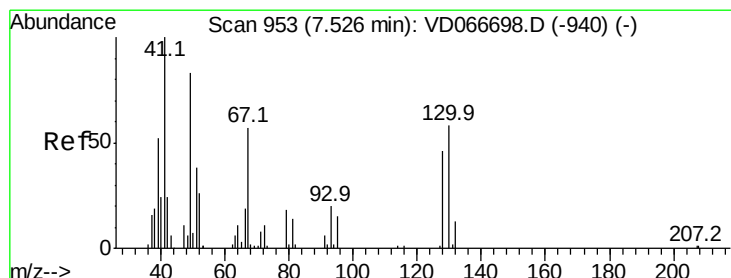
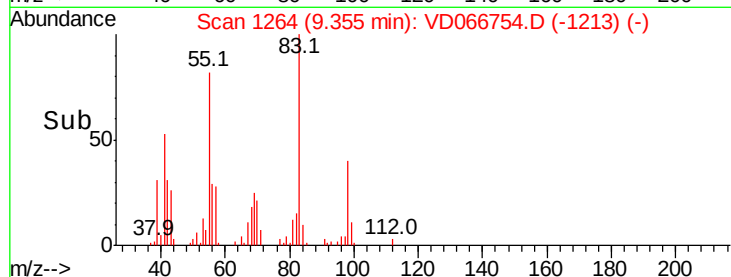
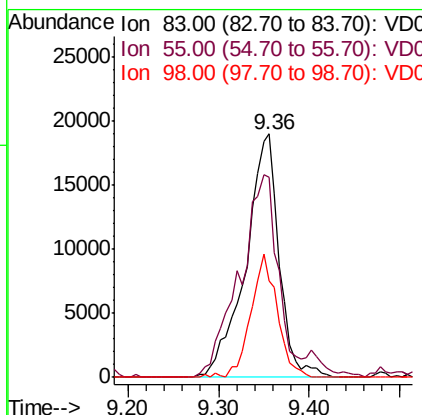
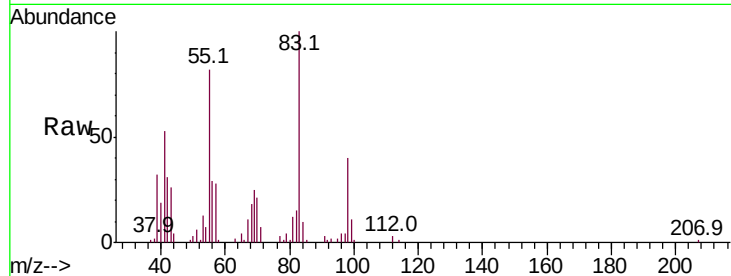




#39
Methylvlcyclohexane
Concen: 6.509 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

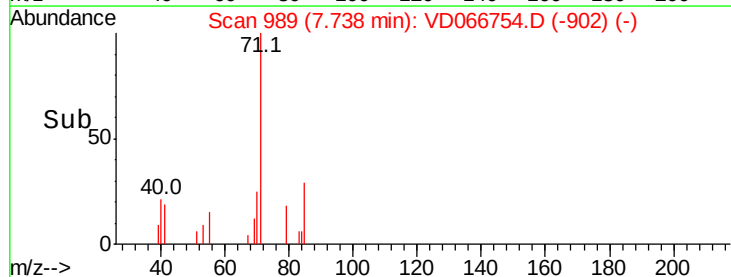
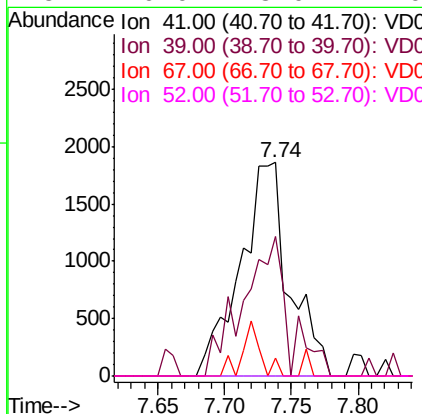
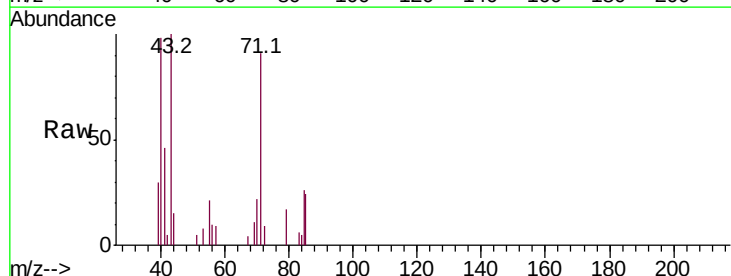
Instrument :
MSVOA_D
ClientSampleId :
KTS-ST-02-1-2

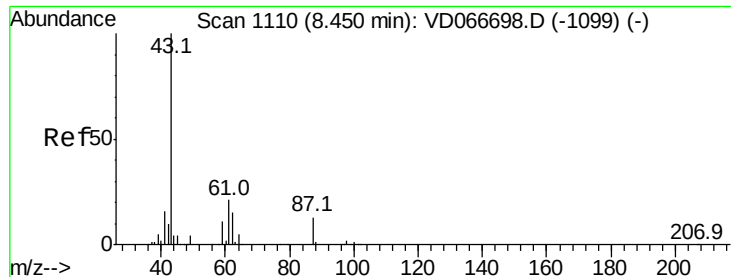
Tot Ion: 83 Resp: 48661
Ion Ratio Lower Upper
83 100
55 82.1 61.5 92.3
98 39.5 39.3 58.9



#41
Methacrylonitrile
Concen: 3.610 ug/l
RT: 7.74 min Scan# 989
Delta R.T. 0.21 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

Tgt Ion: 41 Resp: 4729
Ion Ratio Lower Upper
41 100
39 52.3 59.3 88.9#
67 9.6 62.3 93.5#
52 0.0 28.0 42.0#





#43

Isopropyl Acetate

Concen: 1.539 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066754.D

Acq: 17 Sep 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

KTS-ST-02-1-2

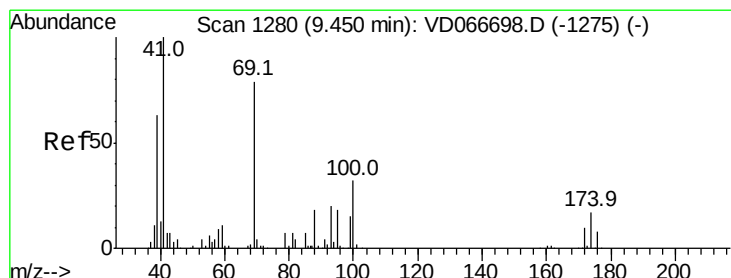
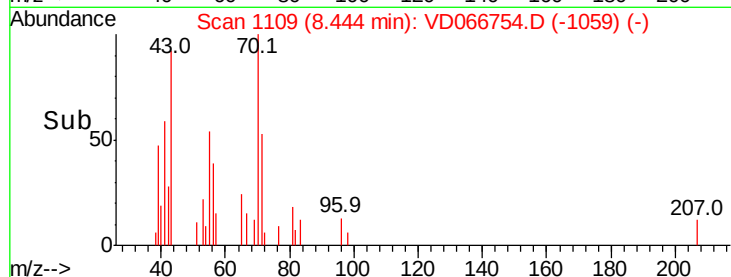
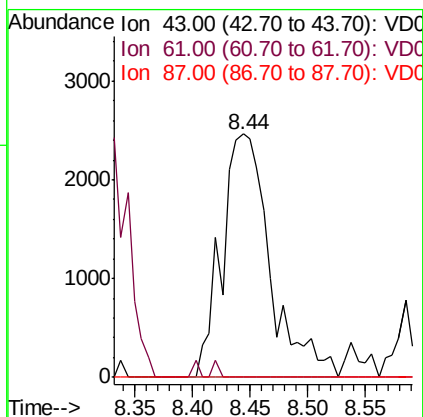
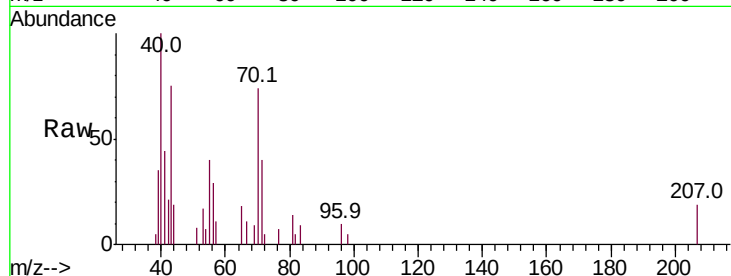
Tot Ion: 43 Resp: 7169

Ion Ratio Lower Upper

43 100

61 0.0 24.8 37.2#

87 0.0 10.4 15.6#



#48

Methyl methacrylate

Concen: 1.086 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.04 min

Lab File: VD066754.D

Acq: 17 Sep 2020 19:41

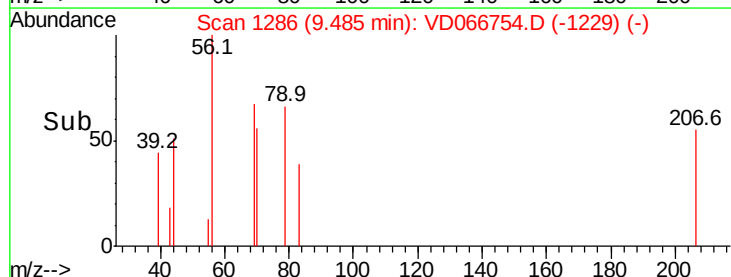
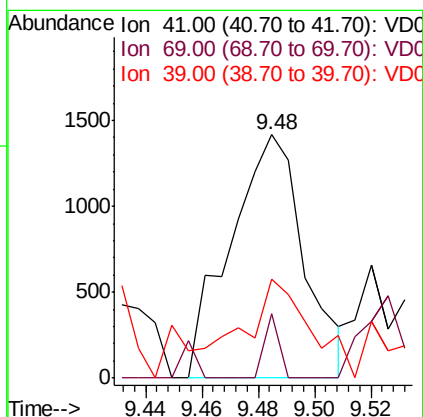
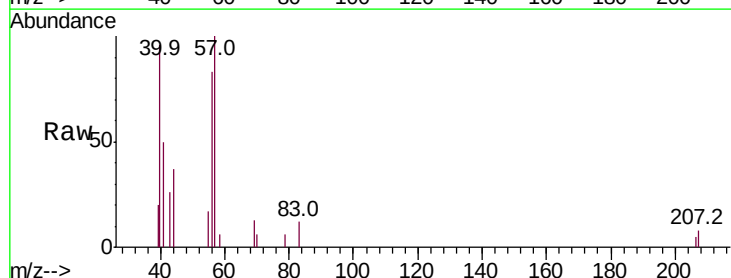
Tgt Ion: 41 Resp: 2573

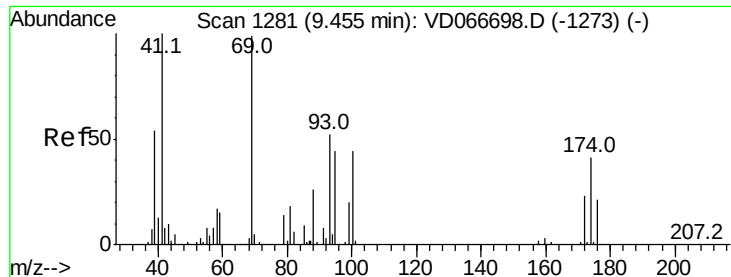
Ion Ratio Lower Upper

41 100

69 0.0 62.4 93.6#

39 44.3 44.8 67.2#

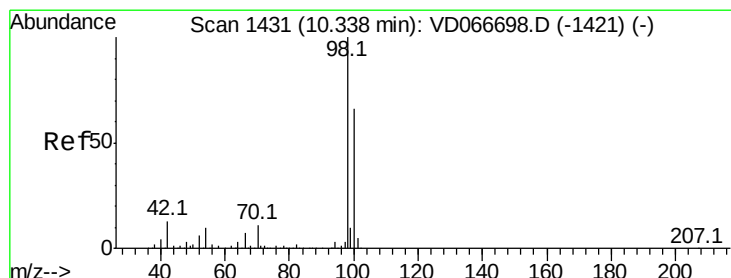
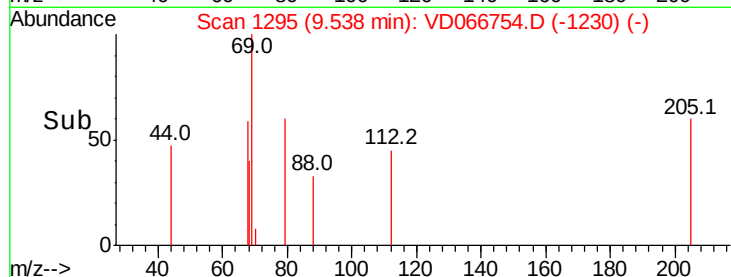
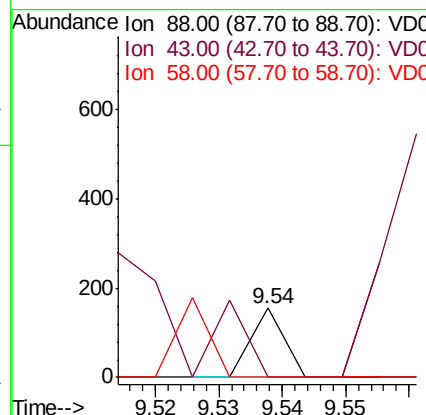
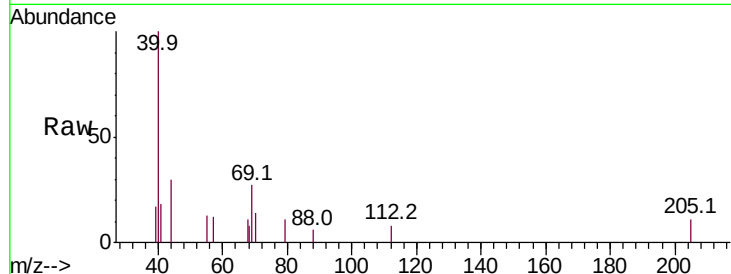




#49
1,4-Dioxane
Concen: 2.137 ug/l
RT: 9.54 min Scan# 1295
Delta R.T. 0.08 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

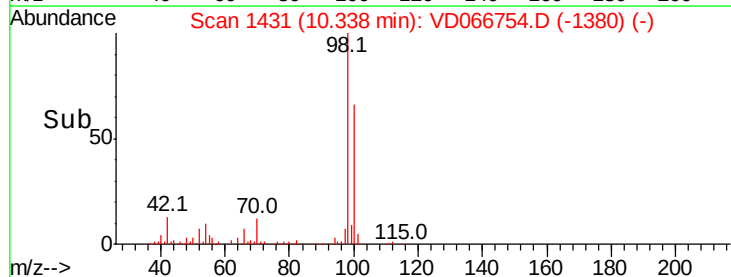
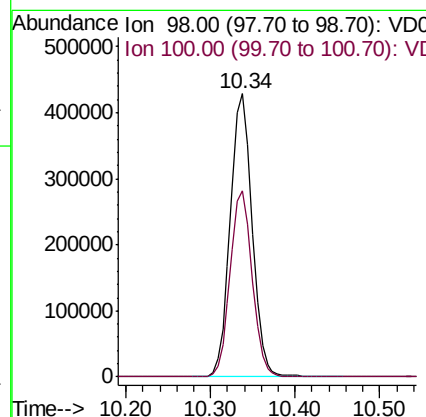
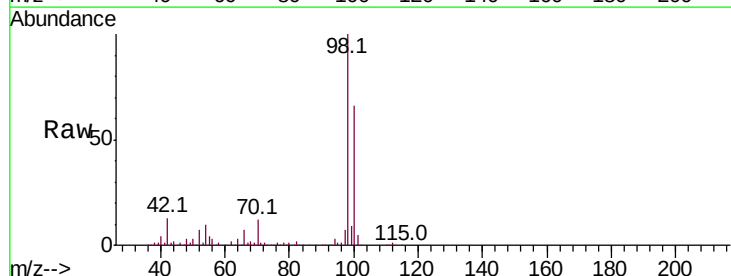
Instrument :
MSVOA_D
ClientSampleId :
KTS-ST-02-1-2

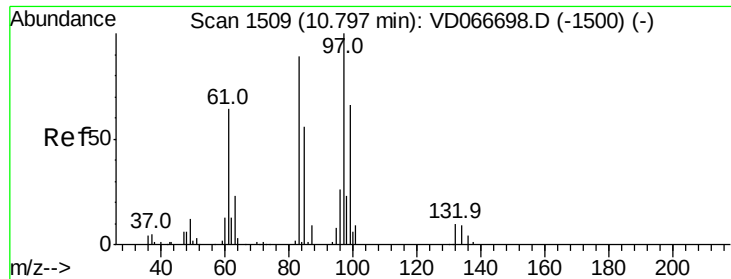
Tot Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 29.3 43.9#
58 114.5 51.4 77.2#



#50
Toluene-d8
Concen: 55.063 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

Tgt Ion: 98 Resp: 764586
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1





#55

1,1,2-Trichloroethane

Concen: 5.234 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.02 min

Lab File: VD066754.D

Acq: 17 Sep 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

KTS-ST-02-1-2

Tot Ion: 97 Resp: 16577

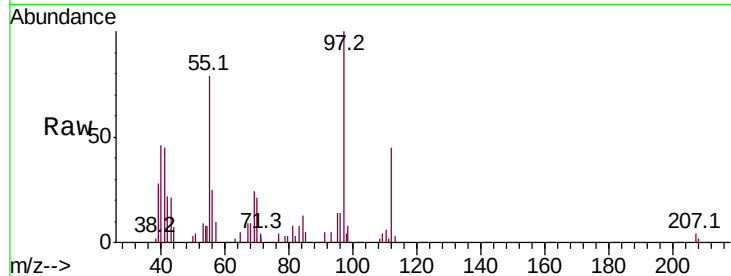
Ion Ratio Lower Upper

97 100

83 7.8 71.4 107.2#

85 5.4 44.7 67.1#

99 0.0 52.4 78.6#

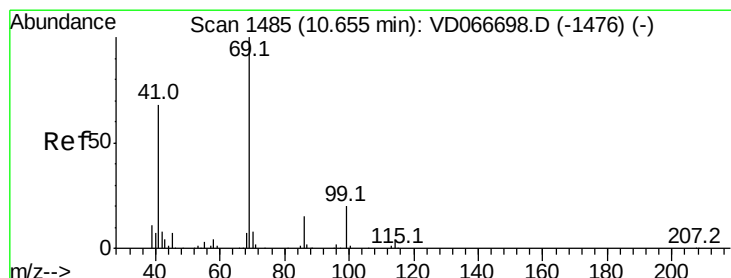
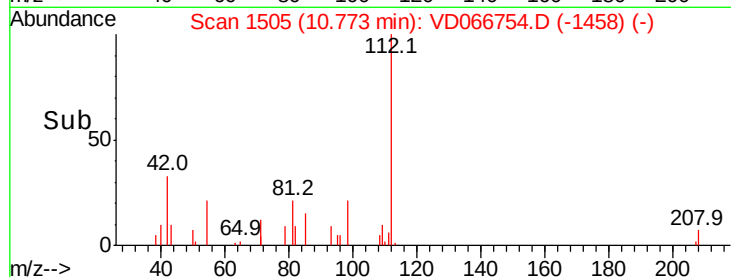
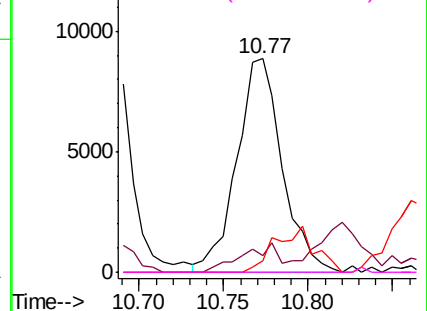


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 2.173 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.02 min

Lab File: VD066754.D

Acq: 17 Sep 2020 19:41

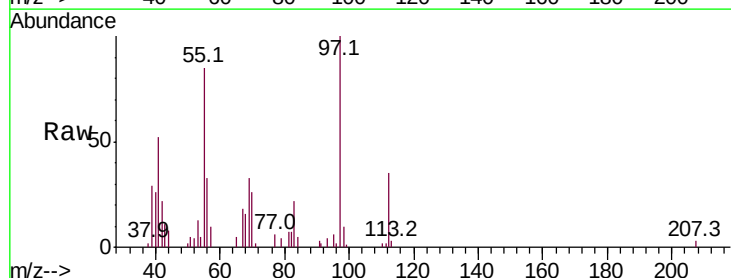
Tgt Ion: 69 Resp: 7811

Ion Ratio Lower Upper

69 100

41 221.1 55.5 83.3#

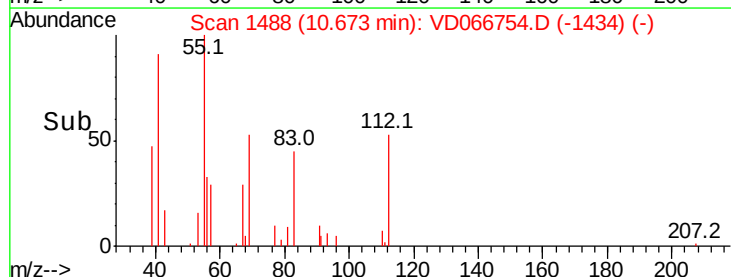
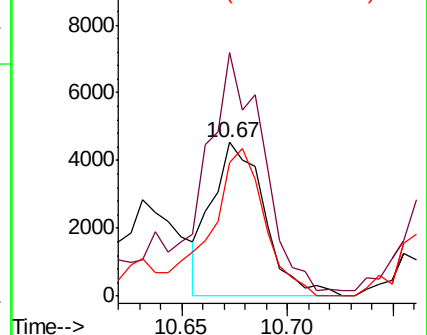
39 97.6 29.7 44.5#

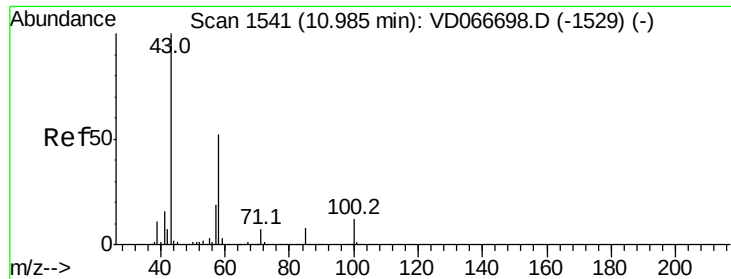


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#59

2-Hexanone

Concen: 10.473 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.04 min

Lab File: VD066754.D

Acq: 17 Sep 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

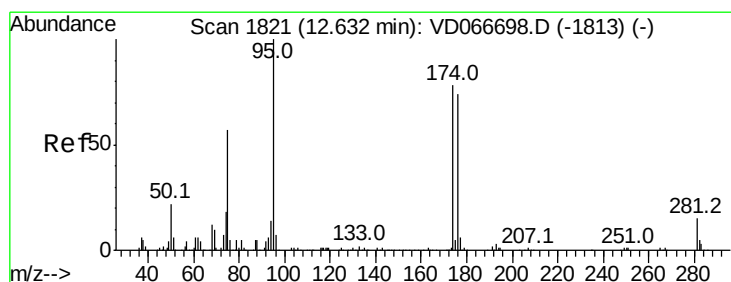
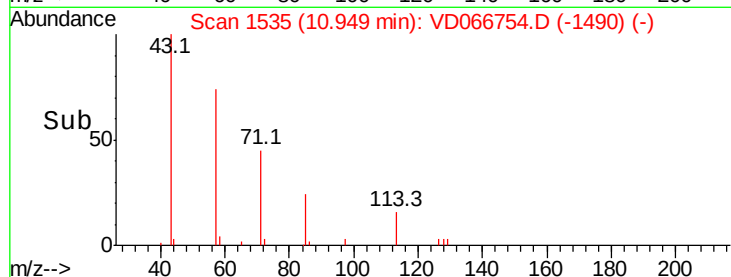
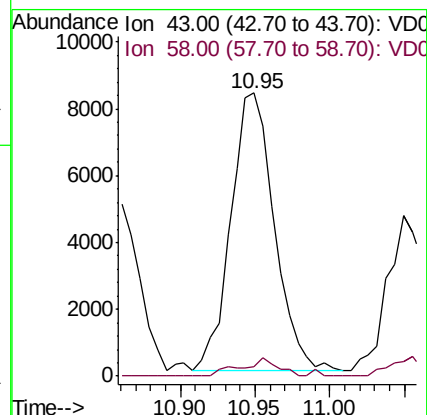
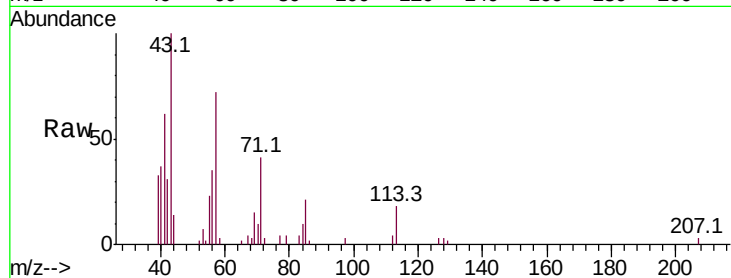
KTS-ST-02-1-2

Tot Ion: 43 Resp: 16873

Ion Ratio Lower Upper

43 100

58 5.4 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 46.140 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066754.D

Acq: 17 Sep 2020 19:41

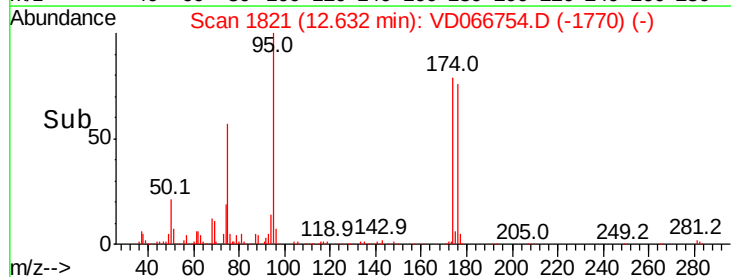
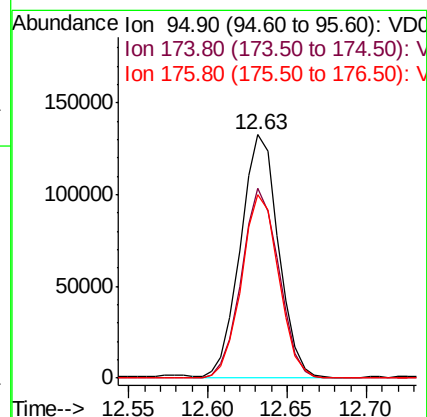
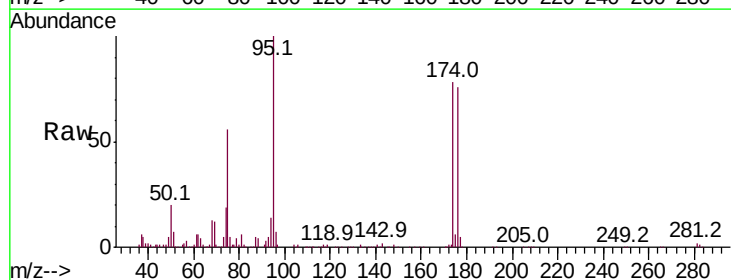
Tgt Ion: 95 Resp: 221158

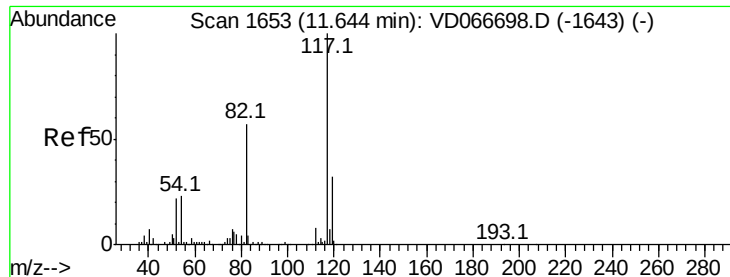
Ion Ratio Lower Upper

95 100

174 76.6 0.0 156.6

176 73.7 0.0 150.2

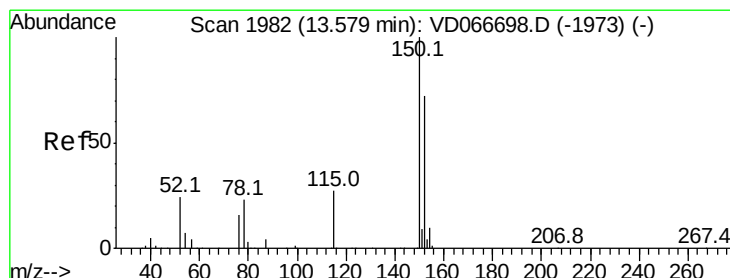
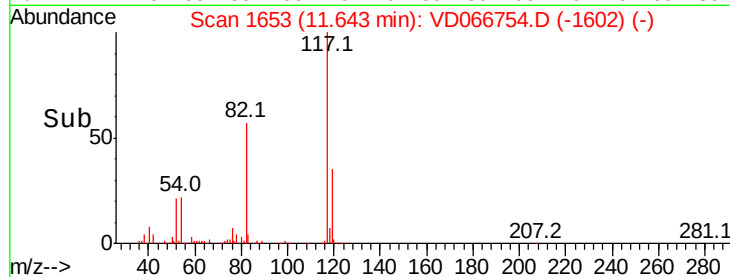
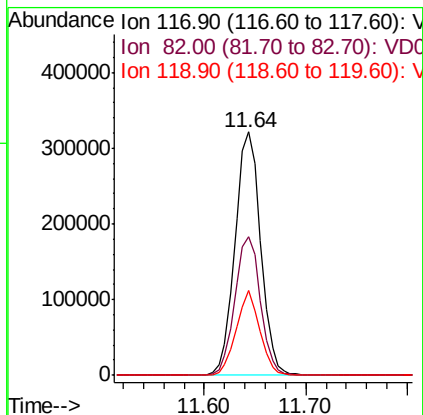
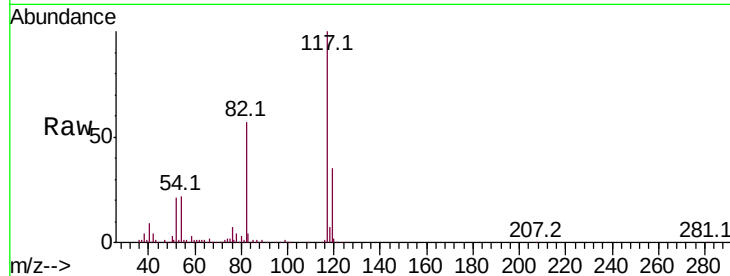




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

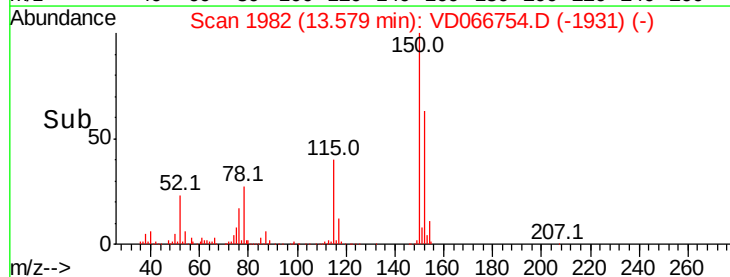
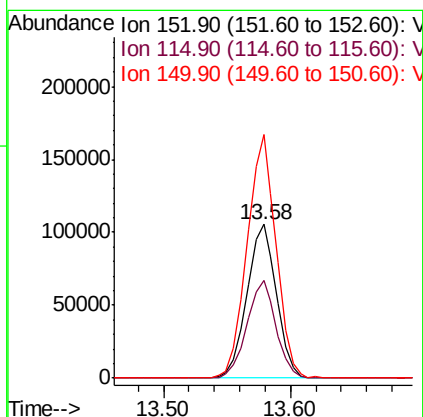
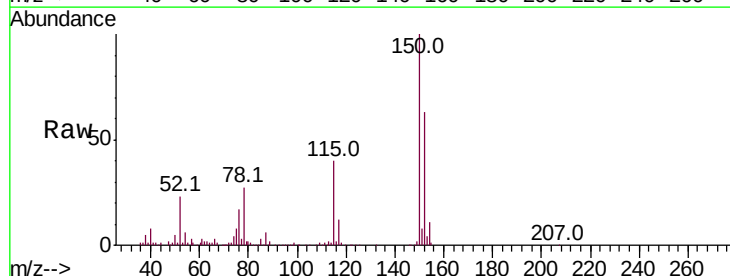
Instrument :
MSVOA_D
ClientSampleId :
KTS-ST-02-1-2

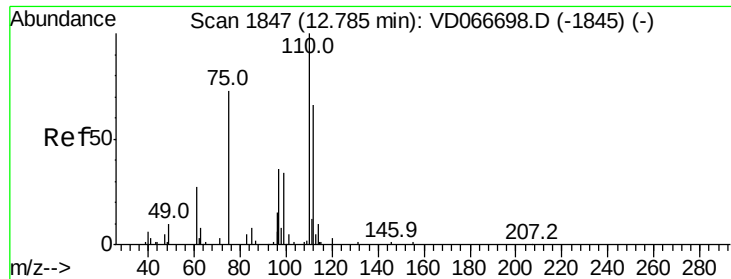
Tot Ion:117 Resp: 563727
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 34.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066754.D
Acq: 17 Sep 2020 19:41

Tgt Ion:152 Resp: 170330
Ion Ratio Lower Upper
152 100
115 62.5 30.5 91.5
150 155.1 0.0 344.6

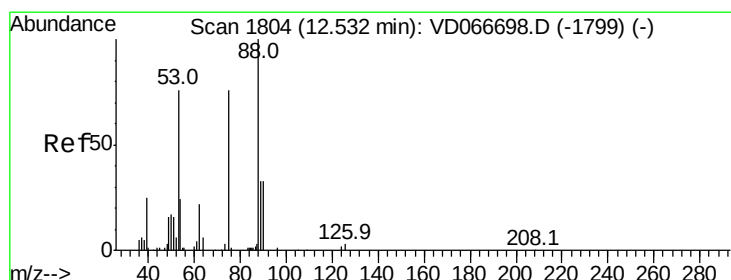
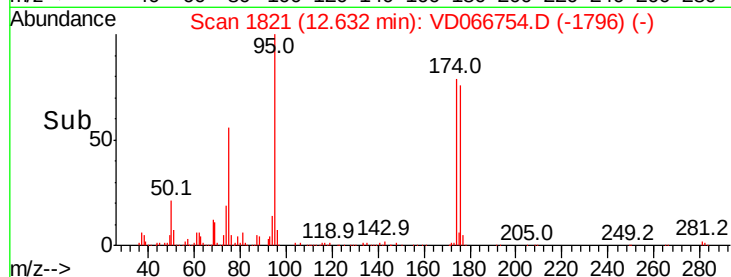
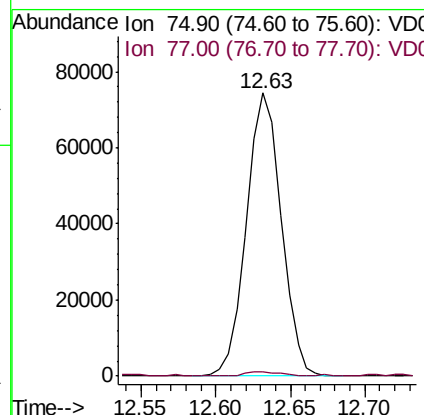
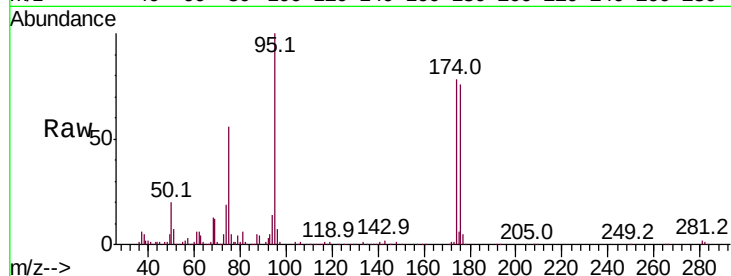




#76
 1,2,3-Trichloropropane
 Concen: 82.581 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066754.D
 Acq: 17 Sep 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-ST-02-1-2

Tot Ion: 75 Resp: 120399
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 178.223 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066754.D
 Acq: 17 Sep 2020 19:41

Tgt Ion: 75 Resp: 120399
 Ion Ratio Lower Upper
 75 100
 53 0.3 82.2 123.4#
 89 0.0 39.6 59.4#

