

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020422\
 Data File : VD071900.D
 Acq On : 04 Feb 2022 15:55
 Operator : VA/SY
 Sample : N1397-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS1-MH-02-3-4

Quant Time: Feb 07 04:20:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

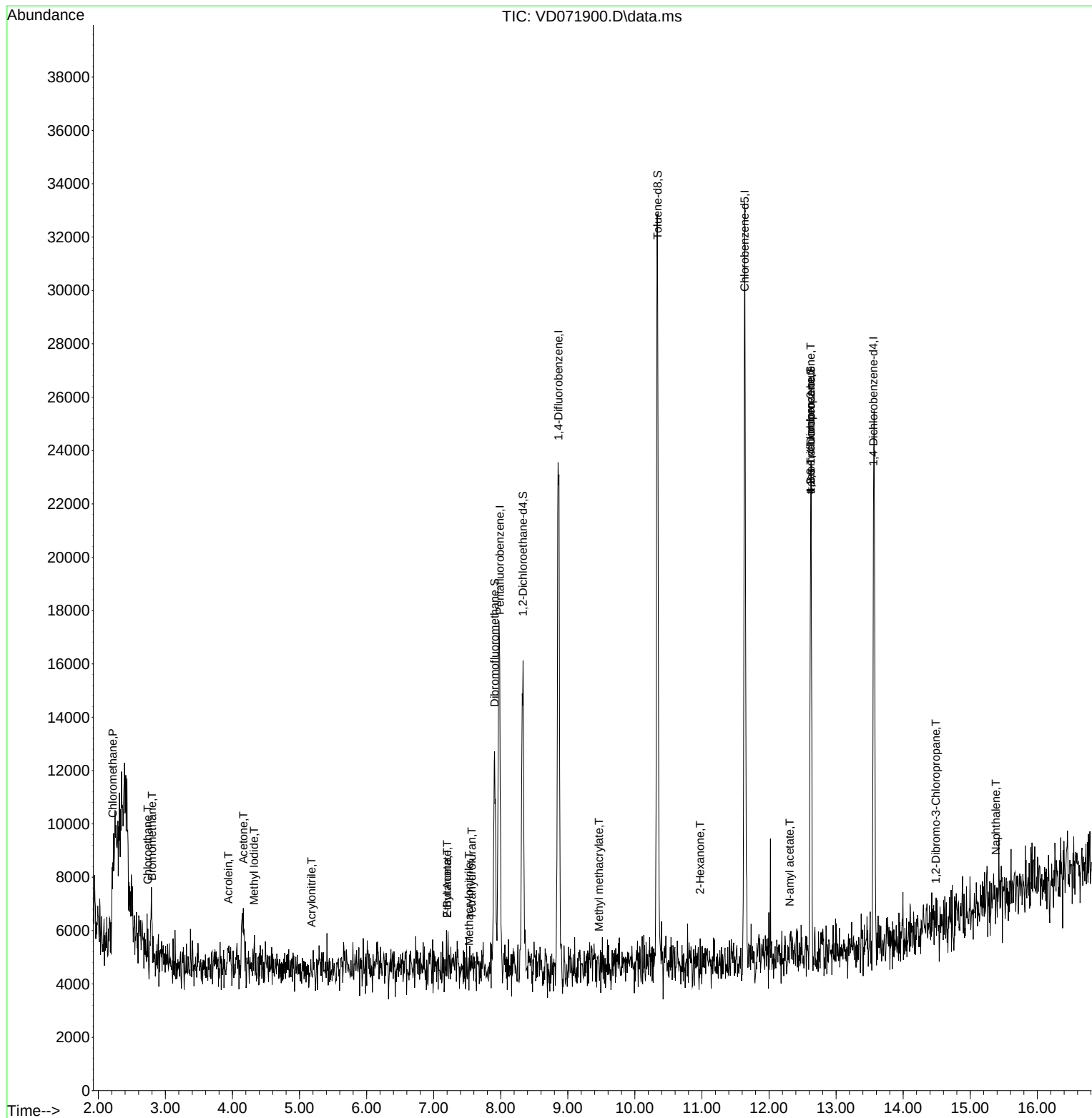
Internal Standards						
1) Pentafluorobenzene	7.985	168	9327	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	15836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	13669	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	4766	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	9529	80.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.660%	
35) Dibromofluoromethane	7.909	113	5450	52.356	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.720%	
50) Toluene-d8	10.338	98	18780	48.308	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.620%	
62) 4-Bromofluorobenzene	12.620	95	5320	39.187	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 78.380%	
Target Compounds						Qvalue
3) Chloromethane	2.215	50	709	5.354	ug/l	# 74
5) Bromomethane	2.803	94	1318	14.409	ug/l	# 54
6) Chloroethane	2.738	64	132	1.502	ug/l	# 42
10) Methyl Iodide	4.321	142	1009	8.781	ug/l	# 60
13) Acrolein	3.938	56	193	18.432	ug/l	# 53
15) Acrylonitrile	5.179	53	61	2.289	ug/l	# 17
16) Acetone	4.162	43	1659	51.409	ug/l	94
25) 2-Butanone	7.203	43	450	11.962	ug/l	# 52
29) Tetrahydrofuran	7.567	42	134	6.020	ug/l	# 38
37) Ethyl Acetate	7.203	43	450	5.417	ug/l	# 77
41) Methacrylonitrile	7.526	41	59	1.256	ug/l	# 27
48) Methyl methacrylate	9.467	41	91	1.152	ug/l	# 19
59) 2-Hexanone	10.973	43	101	1.781	ug/l	# 27
74) N-amyl acetate	12.308	43	125	1.377	ug/l	# 40
76) 1,2,3-Trichloropropane	12.620	75	3473	69.145	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	3473	170.012	ug/l	# 7
92) 1,2-Dibromo-3-Chloropr...	14.485	75	65	5.747	ug/l	# 6
95) Naphthalene	15.385	128	62	1.817	ug/l	# 70

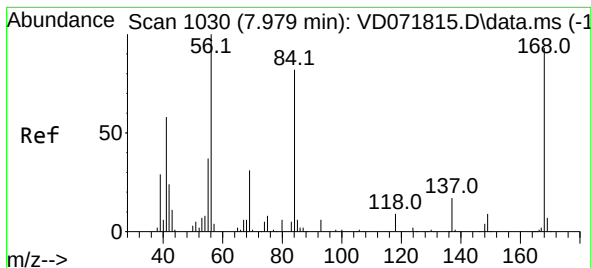
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.985 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD071900.D

Acq: 04 Feb 2022 15:55

Instrument :

MSVOA_D

ClientSampleId :

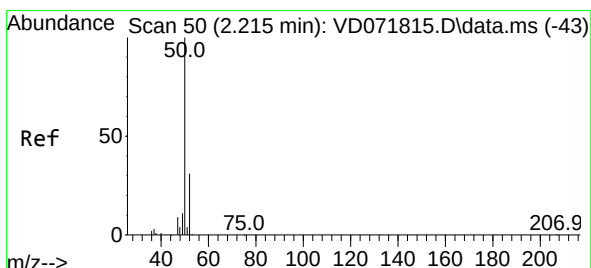
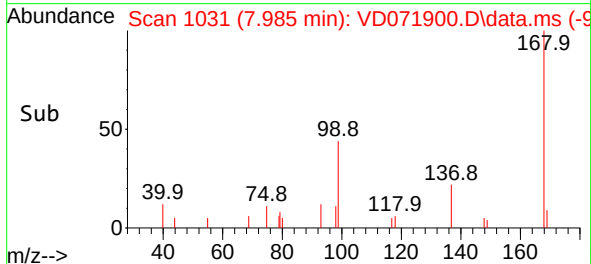
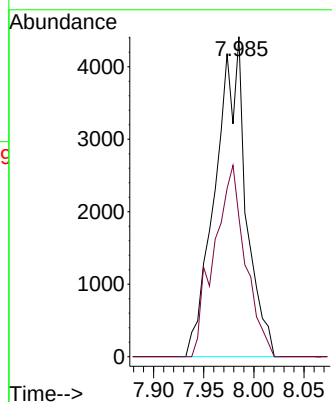
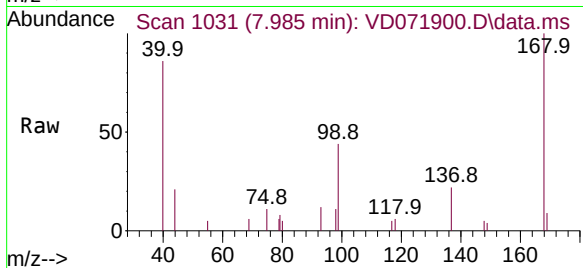
KTS1-MH-02-3-4

Tgt Ion:168 Resp: 9327

Ion Ratio Lower Upper

168 100

99 43.6 49.8 74.6#



#3

Chloromethane

Concen: 5.354 ug/l

RT: 2.215 min Scan# 50

Delta R.T. 0.000 min

Lab File: VD071900.D

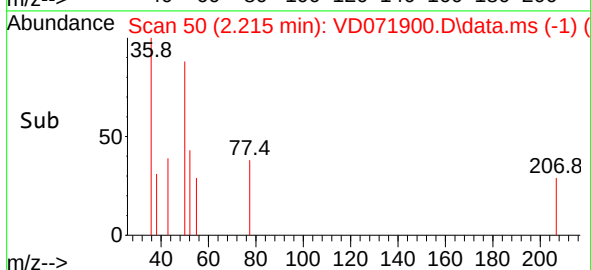
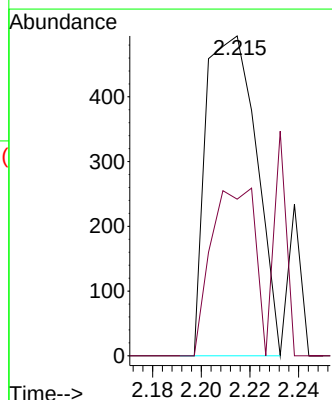
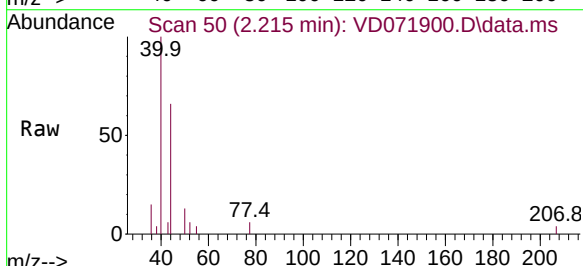
Acq: 04 Feb 2022 15:55

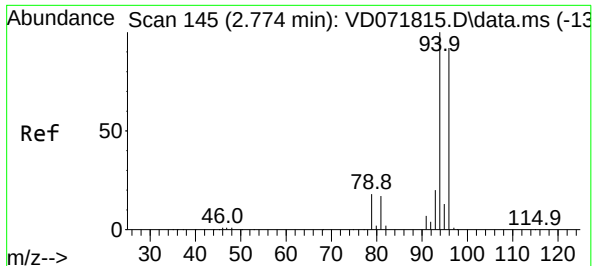
Tgt Ion: 50 Resp: 709

Ion Ratio Lower Upper

50 100

52 49.0 27.4 41.0#

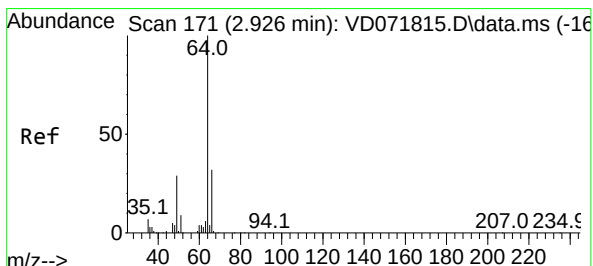
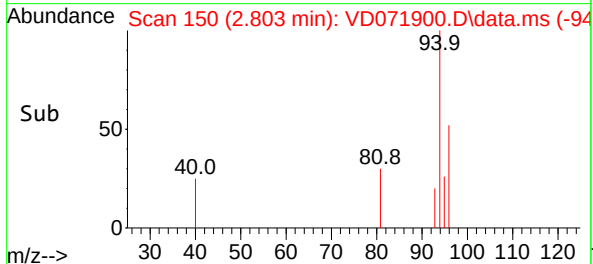
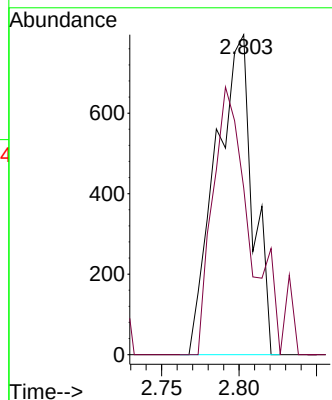
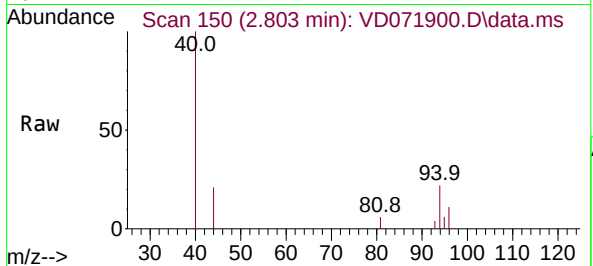




#5
Bromomethane
Concen: 14.409 ug/l
RT: 2.803 min Scan# 11
Delta R.T. 0.030 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

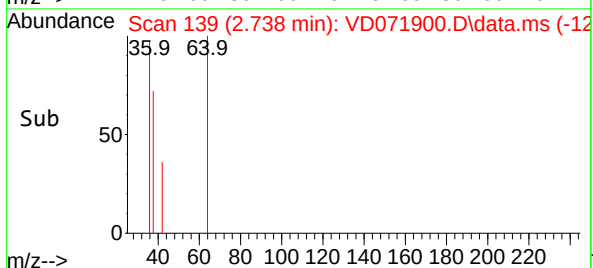
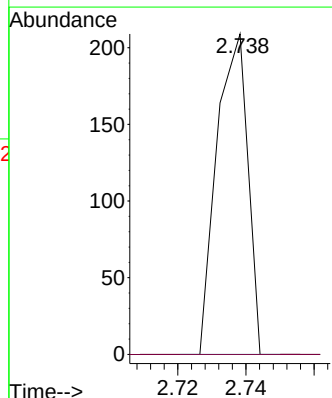
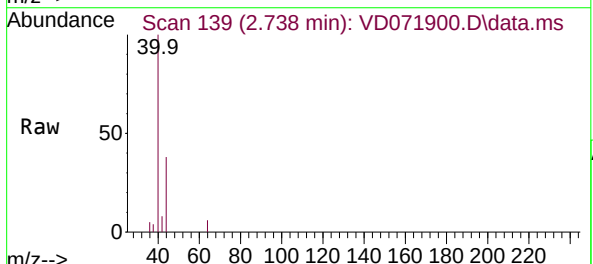
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

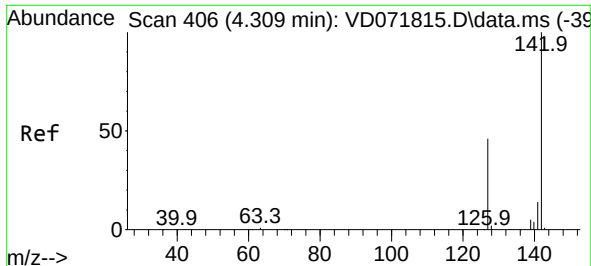
Tgt Ion: 94 Resp: 1318
Ion Ratio Lower Upper
94 100
96 52.1 77.6 116.4#



#6
Chloroethane
Concen: 1.502 ug/l
RT: 2.738 min Scan# 139
Delta R.T. -0.188 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion: 64 Resp: 132
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

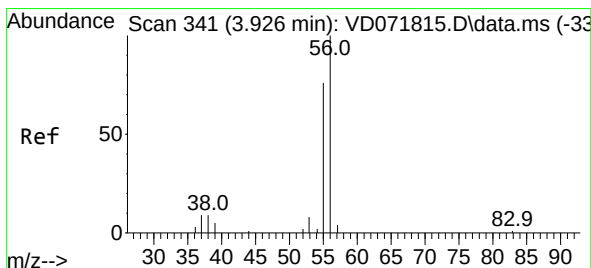
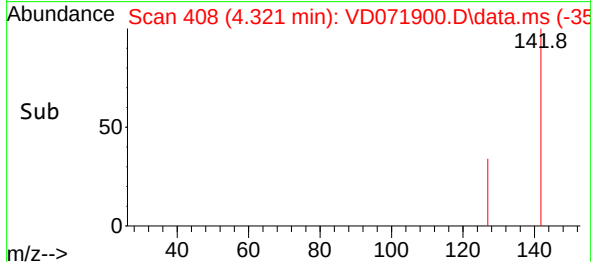
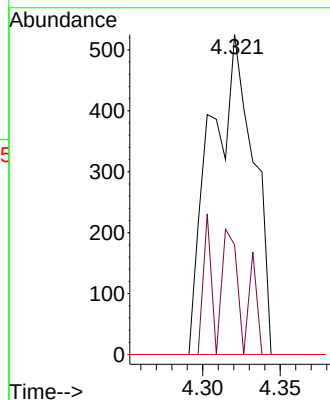
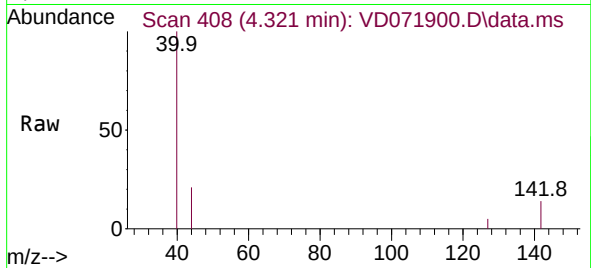




#10
Methyl Iodide
Concen: 8.781 ug/l
RT: 4.321 min Scan# 408
Delta R.T. 0.012 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

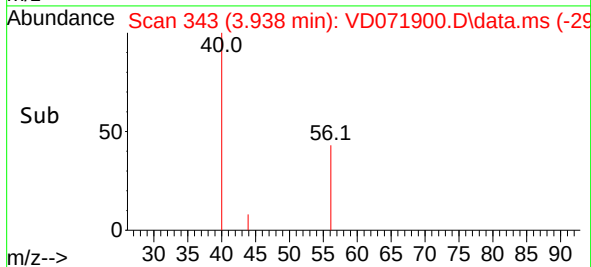
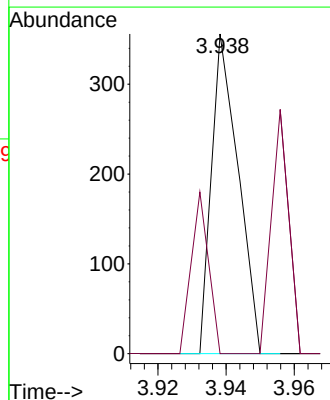
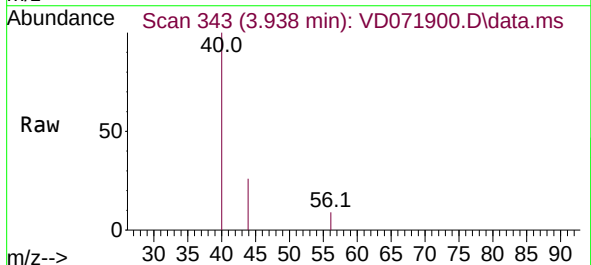
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

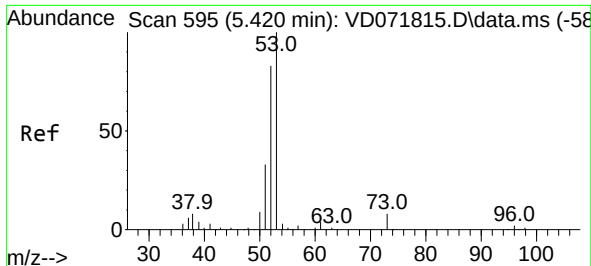
Tgt Ion:142 Resp: 1009
Ion Ratio Lower Upper
142 100
127 19.4 37.3 55.9#
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 18.432 ug/l
RT: 3.938 min Scan# 343
Delta R.T. 0.012 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 32.6 57.1 85.7#

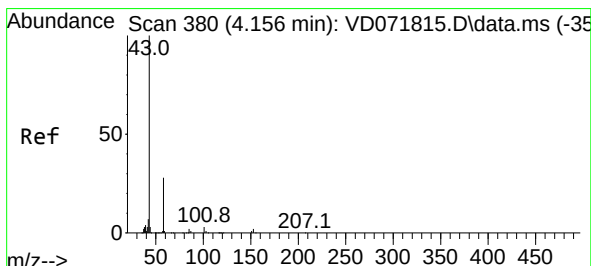
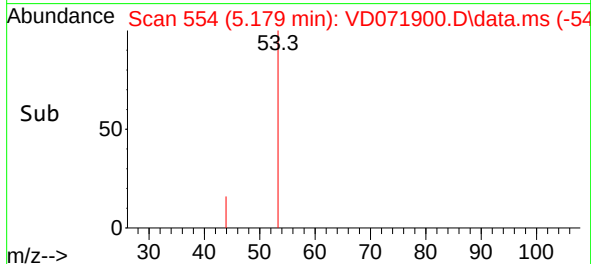
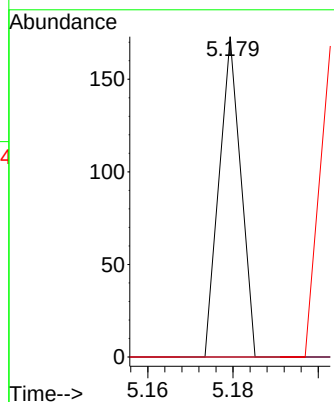
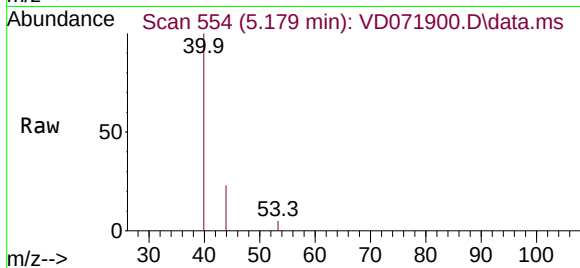




#15
Acrylonitrile
Concen: 2.289 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.241 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

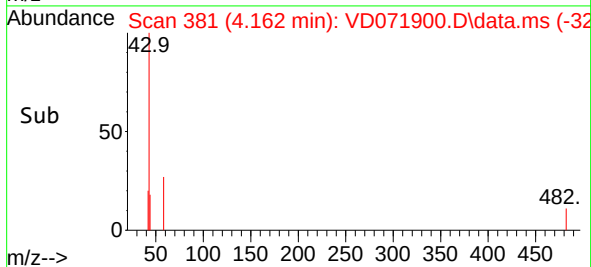
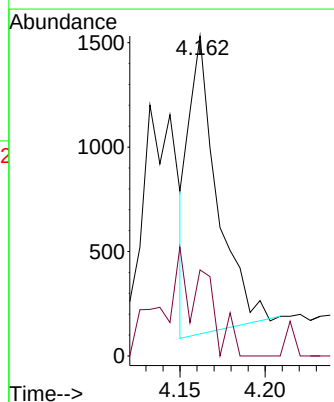
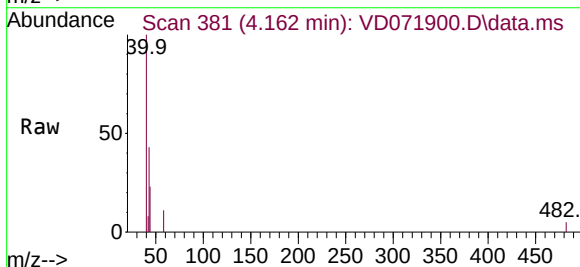
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

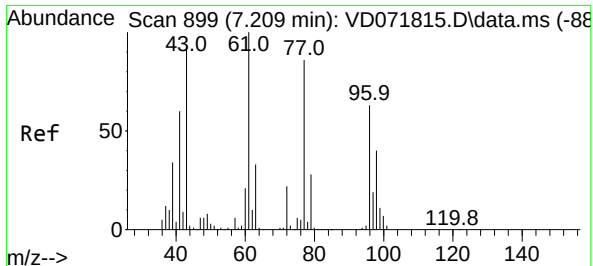
Tgt Ion: 53 Resp: 61
Ion Ratio Lower Upper
53 100
52 0.0 67.2 100.8#
51 0.0 30.3 45.5#



#16
Acetone
Concen: 51.409 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
58 30.7 22.1 33.1

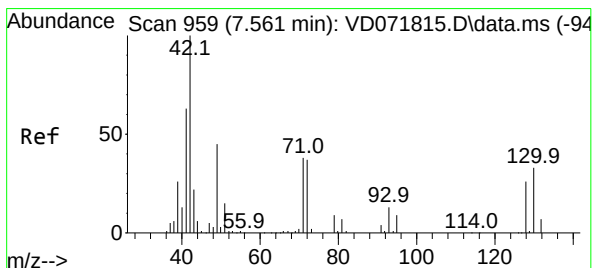
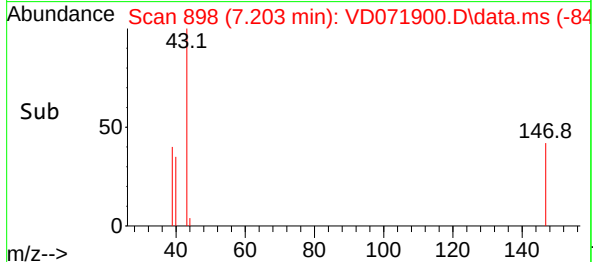
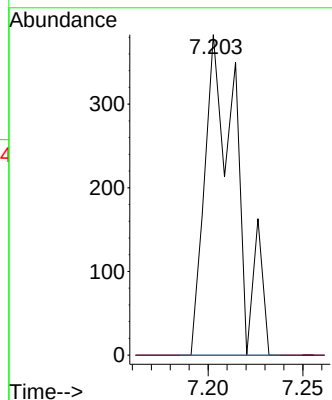
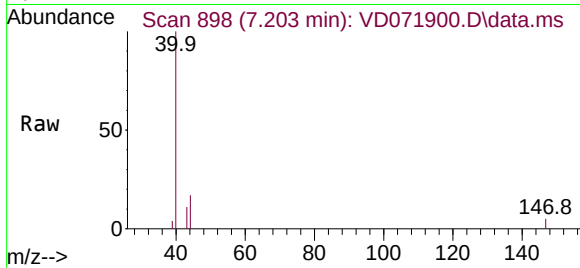




#25
2-Butanone
Concen: 11.962 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.012 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

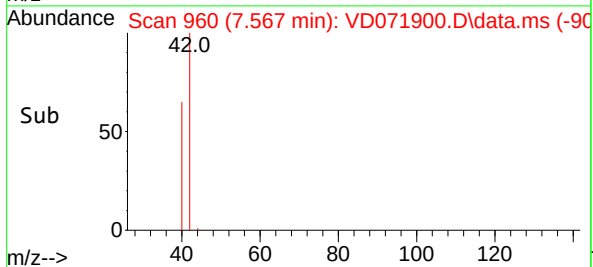
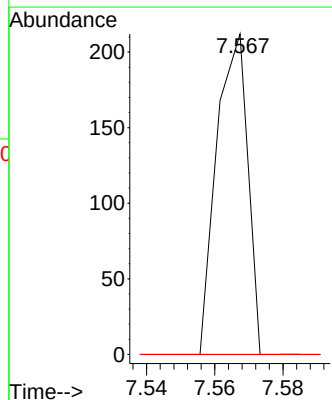
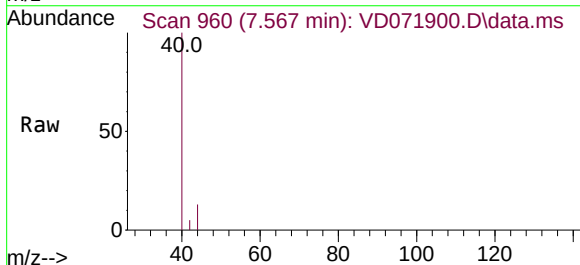
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

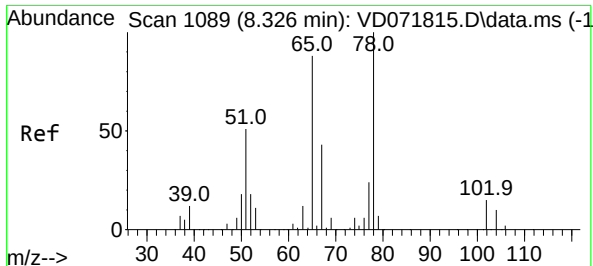
Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 6.020 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion: 42 Resp: 134
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#33

1,2-Dichloroethane-d4

Concen: 80.831 ug/l

RT: 8.332 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VD071900.D

Acq: 04 Feb 2022 15:55

Instrument :

MSVOA_D

ClientSampleId :

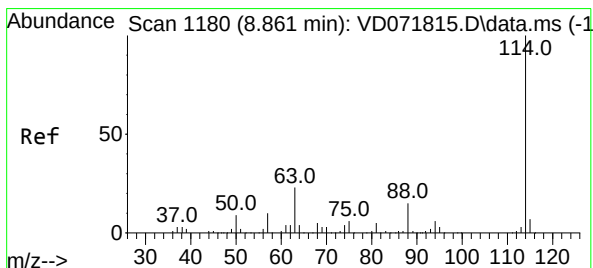
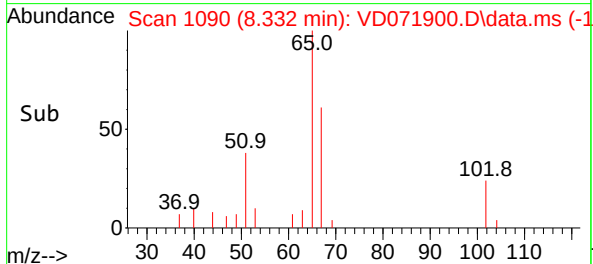
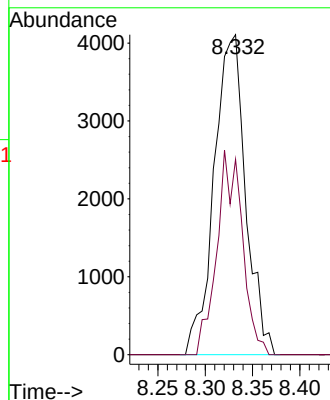
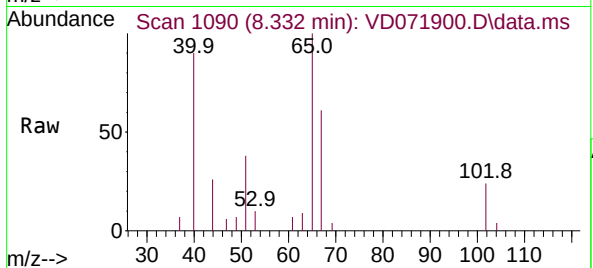
KTS1-MH-02-3-4

Tgt Ion: 65 Resp: 9529

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071900.D

Acq: 04 Feb 2022 15:55

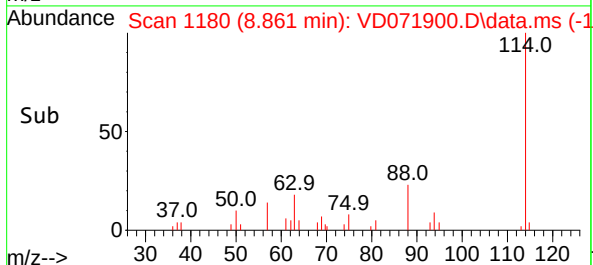
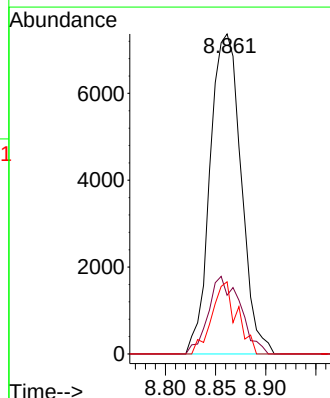
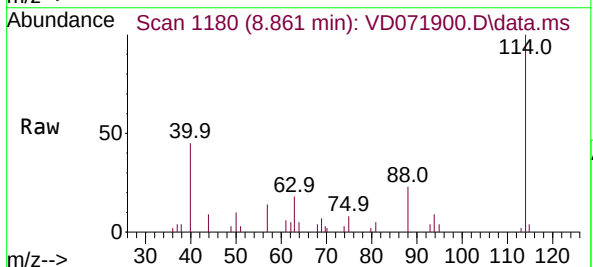
Tgt Ion: 114 Resp: 15836

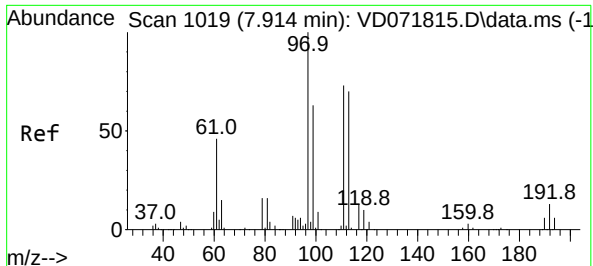
Ion Ratio Lower Upper

114 100

63 18.3 0.0 46.6

88 22.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.356 ug/l

RT: 7.909 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071900.D

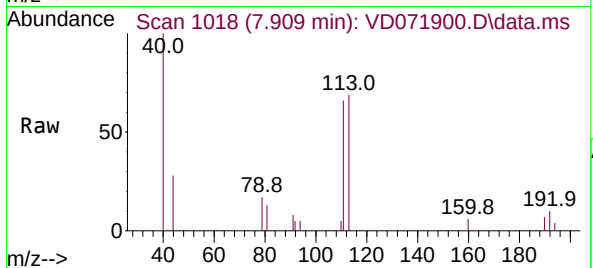
Acq: 04 Feb 2022 15:55

Instrument :

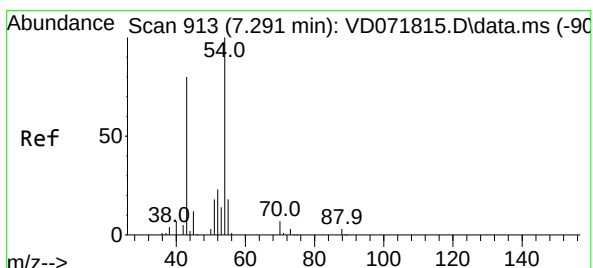
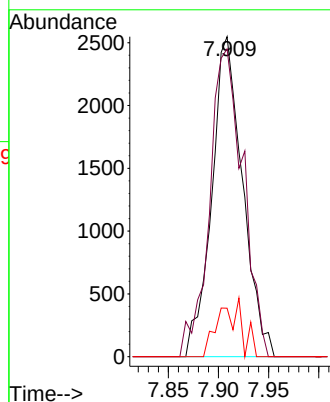
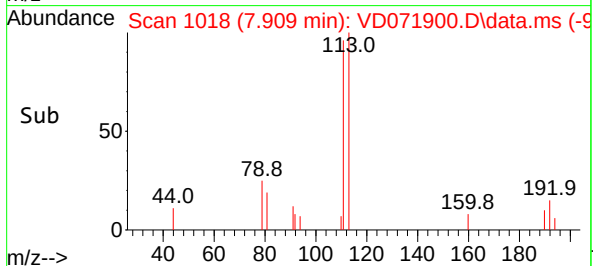
MSVOA_D

ClientSampleId :

KTS1-MH-02-3-4



Tgt Ion:	113	Resp:	5450
Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.8	125.6
192	13.8	14.6	21.8#



#37

Ethyl Acetate

Concen: 5.417 ug/l

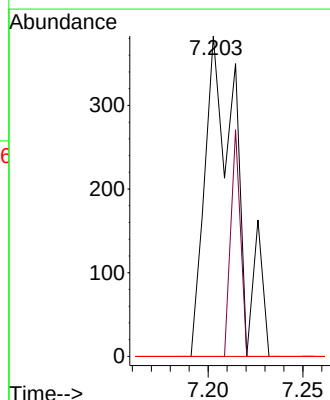
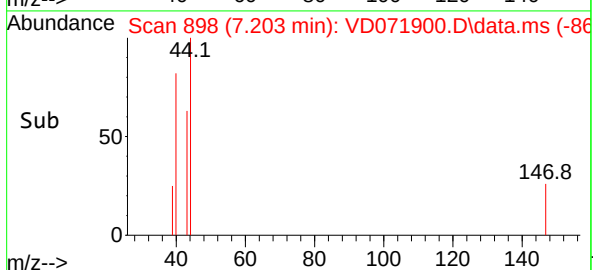
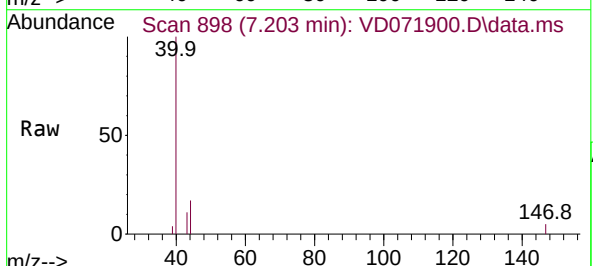
RT: 7.203 min Scan# 898

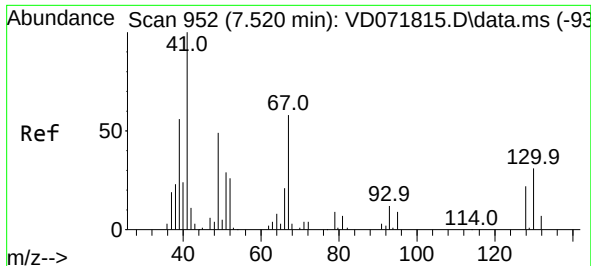
Delta R.T. -0.094 min

Lab File: VD071900.D

Acq: 04 Feb 2022 15:55

Tgt Ion:	43	Resp:	450
Ion	Ratio	Lower	Upper
43	100		
61	21.3	9.8	14.8#
70	0.0	6.9	10.3#

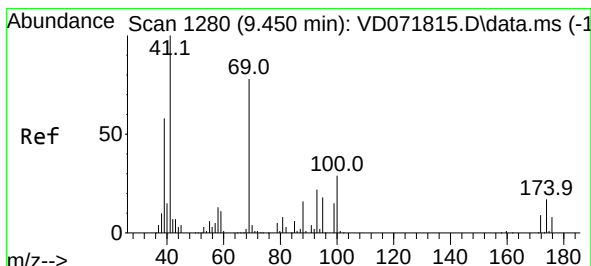
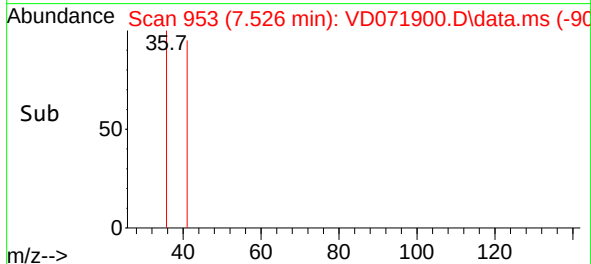
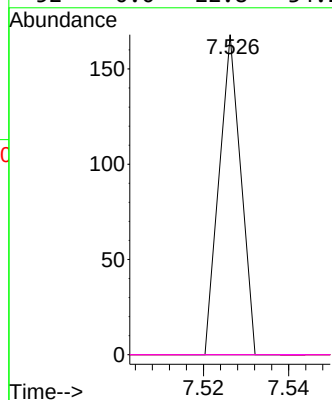
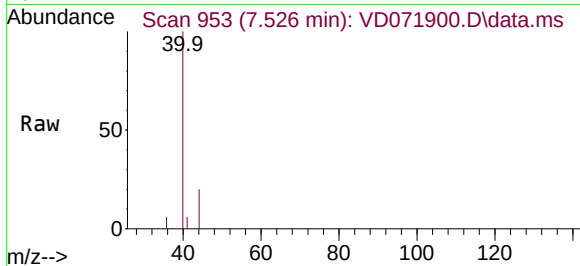




#41
Methacrylonitrile
Concen: 1.256 ug/l
RT: 7.526 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

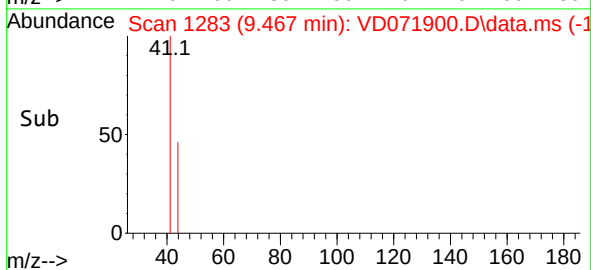
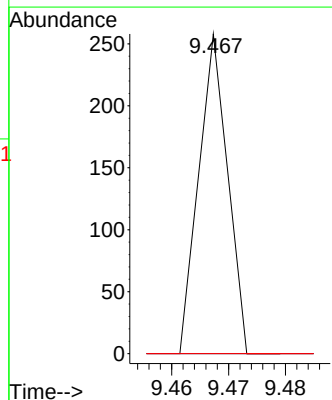
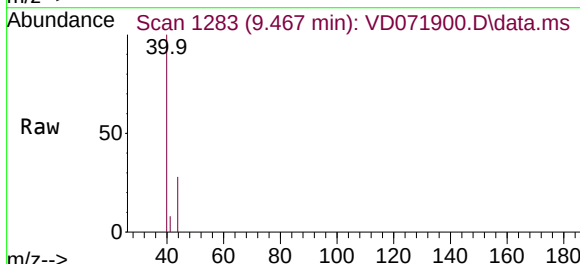
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

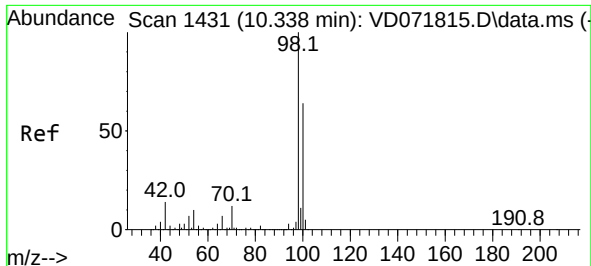
Tgt Ion:	41	Resp:	59
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#48
Methyl methacrylate
Concen: 1.152 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.018 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion:	41	Resp:	91
Ion	Ratio	Lower	Upper
41	100		
69	0.0	56.7	85.1#
39	0.0	42.7	64.1#

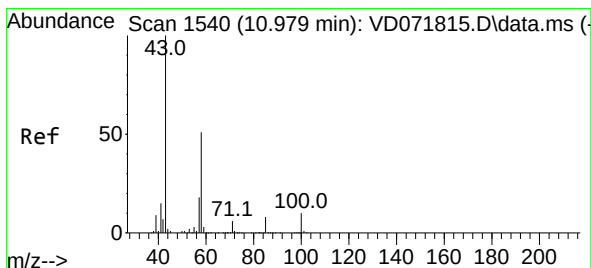
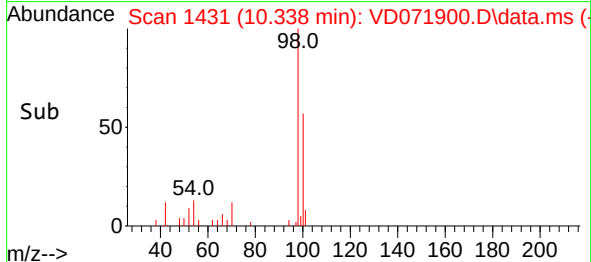
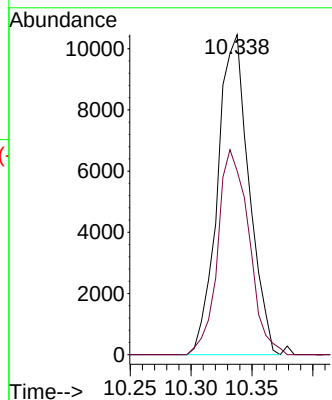
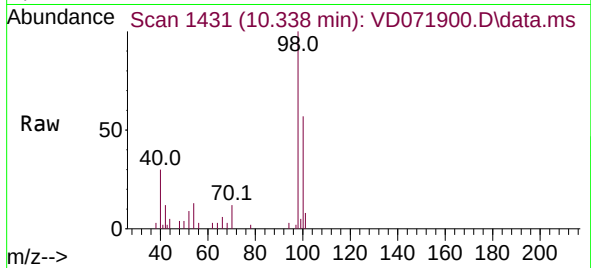




#50
Toluene-d8
Concen: 48.308 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

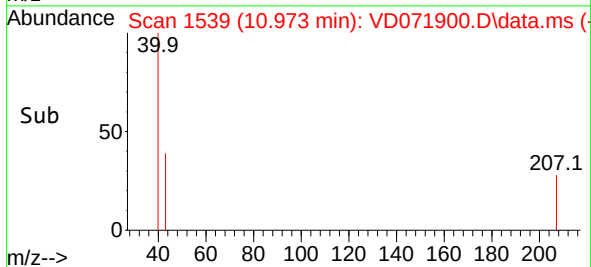
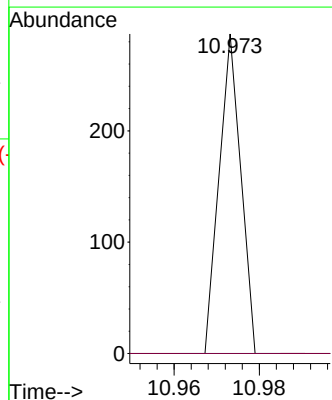
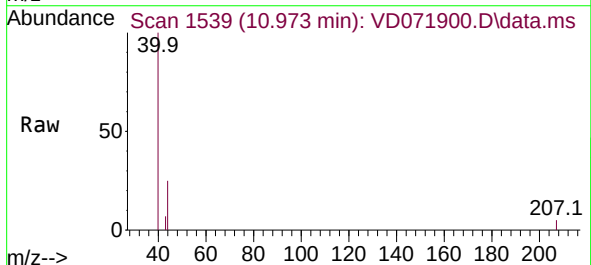
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

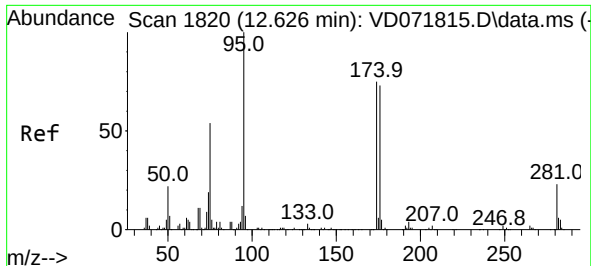
Tgt Ion: 98 Resp: 18780
Ion Ratio Lower Upper
98 100
100 63.7 52.4 78.6



#59
2-Hexanone
Concen: 1.781 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

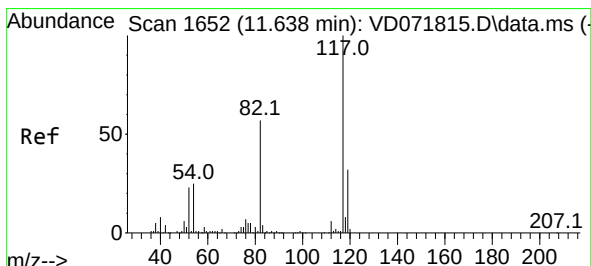
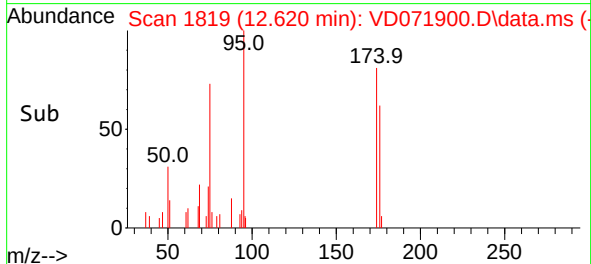
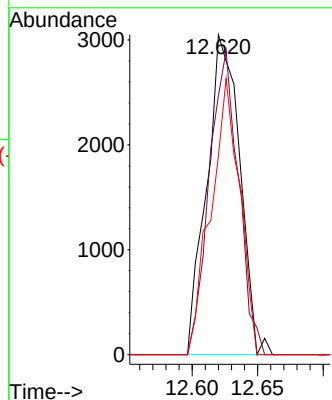
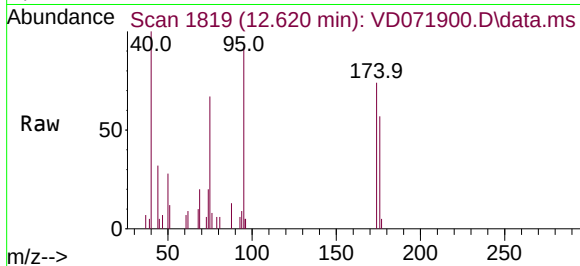




#62
4-Bromofluorobenzene
Concen: 39.187 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

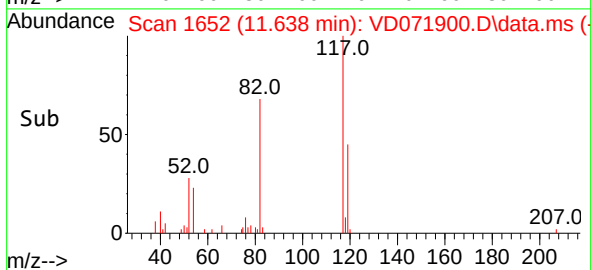
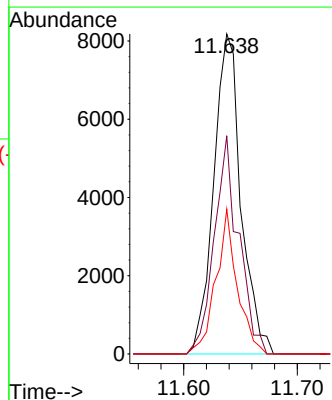
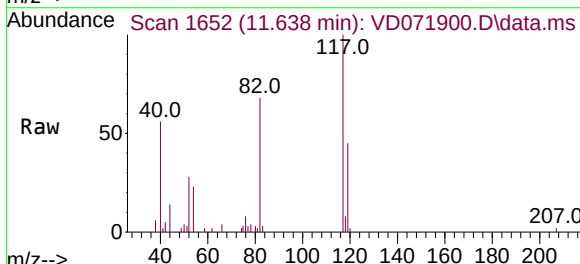
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

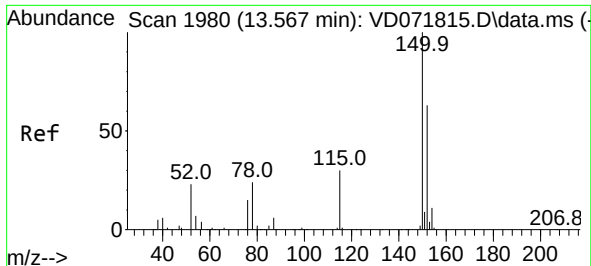
Tgt Ion:	95	Resp:	5320
Ion Ratio	Lower	Upper	
95	100		
174	84.6	0.0	152.8
176	75.7	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion:	117	Resp:	13669
Ion Ratio	Lower	Upper	
117	100		
82	68.2	45.3	67.9#
119	45.2	26.6	40.0#

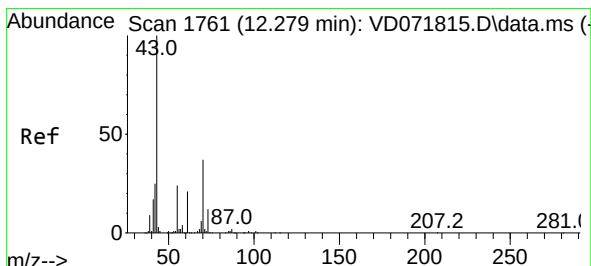
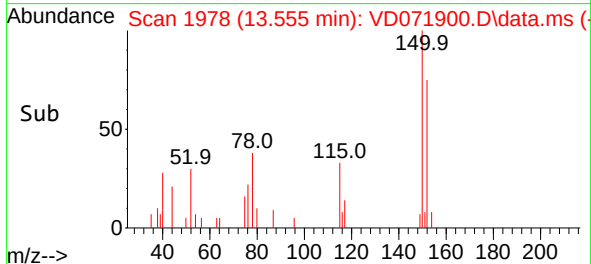
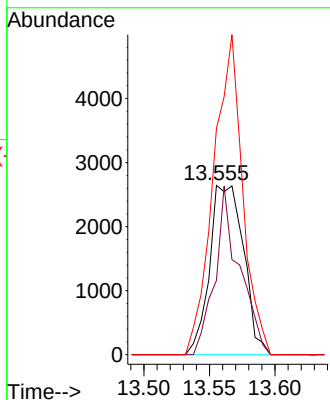
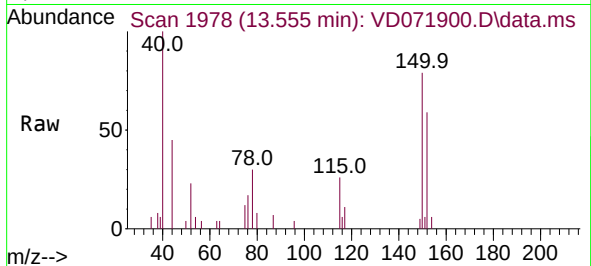




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1980
Delta R.T. -0.012 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

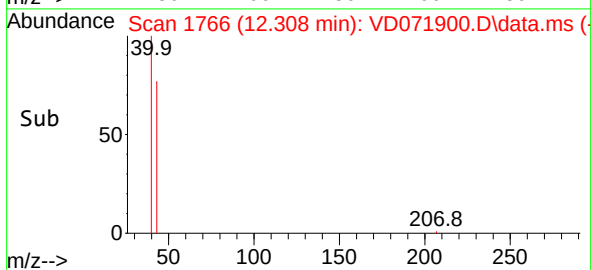
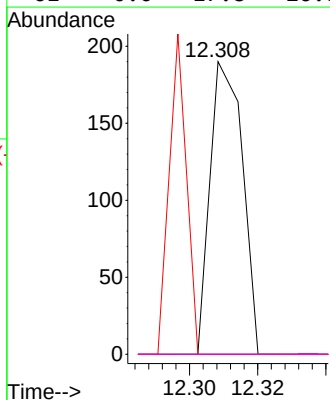
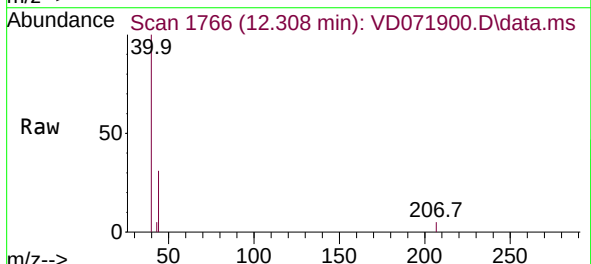
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

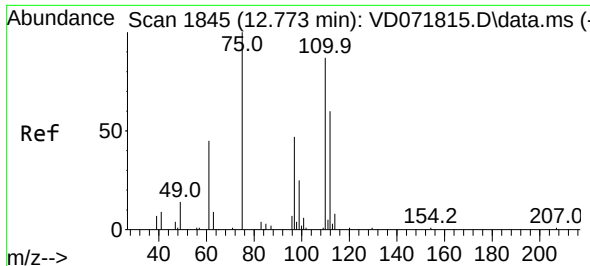
Tgt Ion:152 Resp: 4766
Ion Ratio Lower Upper
152 100
115 71.5 31.3 93.8
150 162.1 0.0 348.6



#74
N-ethyl acetate
Concen: 1.377 ug/l
RT: 12.308 min Scan# 1766
Delta R.T. 0.030 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 58.4 20.0 30.0#
61 0.0 17.8 26.8#

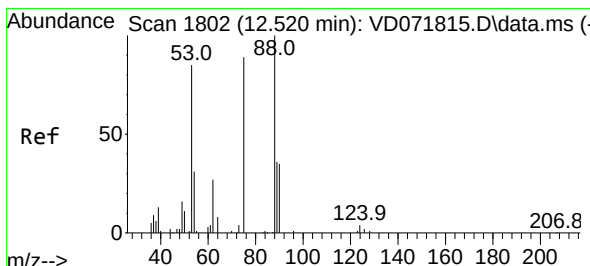
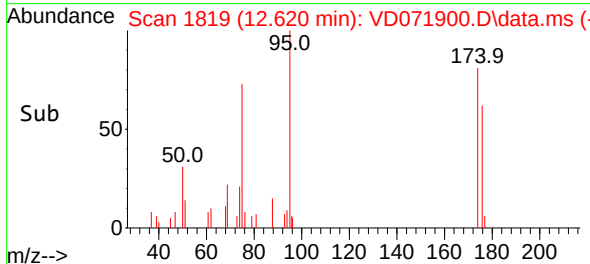
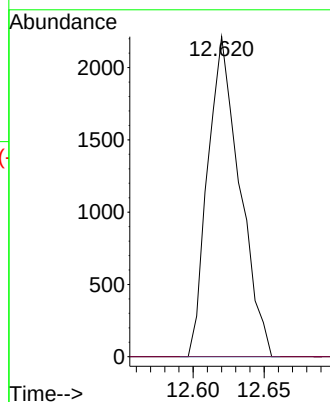
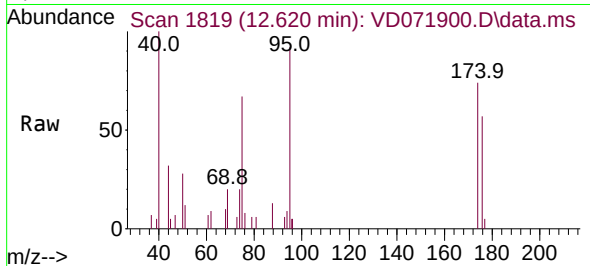




#76
1,2,3-Trichloropropane
Concen: 69.145 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

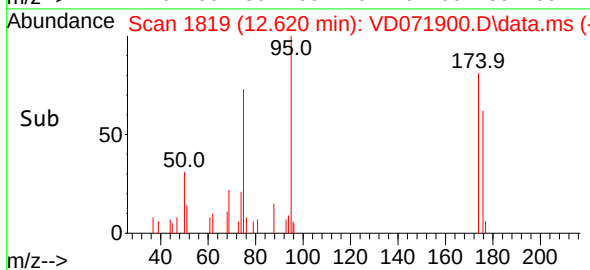
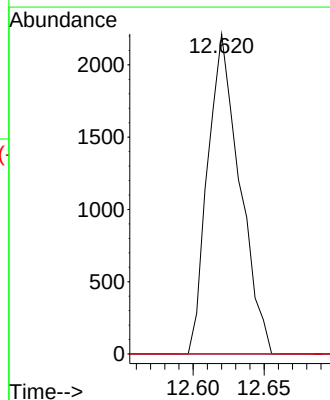
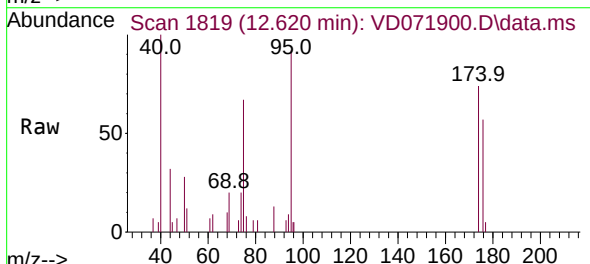
Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

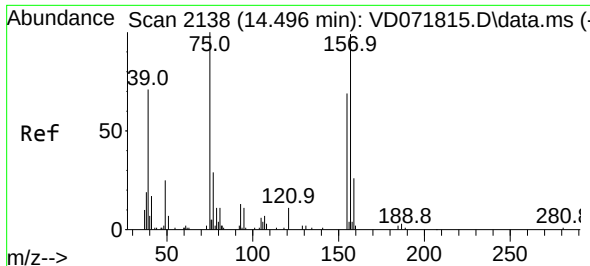
Tgt Ion: 75 Resp: 3473
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 170.012 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion: 75 Resp: 3473
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

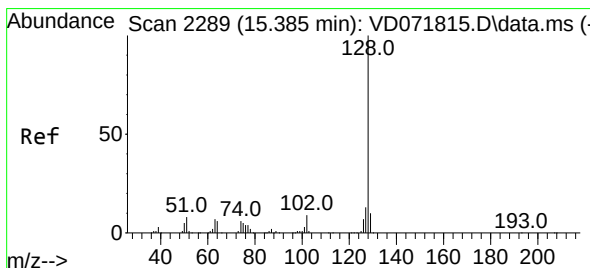
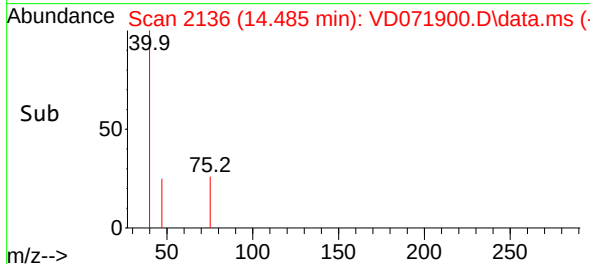
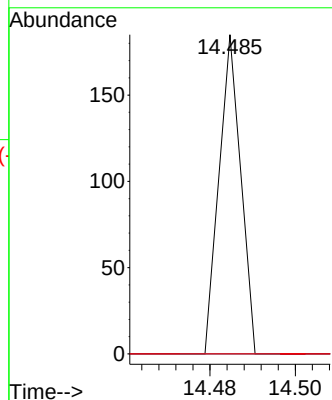
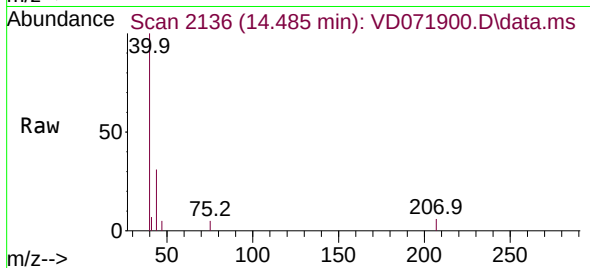




#92
1,2-Dibromo-3-Chloropropane
Concen: 5.747 ug/l
RT: 14.485 min Scan# 2138
Delta R.T. -0.006 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Instrument :
MSVOA_D
ClientSampleId :
KTS1-MH-02-3-4

Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#



#95
Naphthalene
Concen: 1.817 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD071900.D
Acq: 04 Feb 2022 15:55

Tgt Ion: 128 Resp: 62
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

