

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112223\
 Data File : VD077678.D
 Acq On : 22 Nov 2023 18:37
 Operator : JC/SY
 Sample : 05438-08MSD
 Misc : 5.07G/10ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 23 00:33:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 22 01:40:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.787	114	455	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.581	117	76	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/L	-13.52
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	231	19.958	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.840%
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.000%#
21) 2-Butanone-d5	6.993	46	83	41.418	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.840%
24) Chloroform-d	7.546	84	109	8.293	ug/L	-0.03
Spiked Amount	25.000	Range	40 - 150	Recovery	=	33.160%#
26) 1,2-Dichloroethane-d4	8.234	65	55	7.867	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	31.480%#
32) Benzene-d6	8.205	84	376	76.227	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	304.920%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	10.281	98	262	58.780	ug/L	0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	=	235.120%#
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.000%#
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	45 - 120	Recovery	=	0.000%#
66) 1,2-Dichlorobenzene-d4	0.000	152	0	0.000	ug/L	
Spiked Amount	25.000	Range	75 - 120	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.158	50	350	33.199	ug/L #	43
5) Vinyl chloride	2.293	62	248	20.842	ug/L #	63
8) Chloroethane	2.852	64	360	48.665	ug/L #	46
9) Trichlorofluoromethane	3.181	101	64	5.910	ug/L #	18
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	62	9.304	ug/L #	21
12) 1,1-Dichloroethene	3.946	96	196	30.292	ug/L #	24
14) Carbon disulfide	4.281	76	197	8.455	ug/L #	76
15) Methyl Acetate	4.381	43	206	59.445	ug/L #	56
18) Methyl tert-butyl Ether	5.293	73	228	14.272	ug/L #	44
19) 1,1-Dichloroethane	6.116	63	218	15.964	ug/L #	50
22) 2-Butanone	7.346	43	127	50.108	ug/L #	49
27) 1,2-Dichloroethane	8.334	62	116	13.949	ug/L #	73
29) Cyclohexane	7.875	56	132	53.493	ug/L #	19
30) 1,1,1-Trichloroethane	7.787	97	314	157.822	ug/L #	23
33) Benzene	8.252	78	617	117.071	ug/L	100
35) Methylcyclohexane	9.299	83	55	23.338	ug/L #	16
37) 1,2-Dichloropropane	9.305	63	202	137.871	ug/L #	88
40) 4-Methyl-2-pentanone	10.093	43	117	131.041	ug/L #	14
42) Toluene	10.352	91	335	60.542	ug/L	78

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Quant Time: Nov 23 00:33:32 2023
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Quant Title : SFAM01.0
QLast Update : Wed Nov 22 01:40:25 2023
Response via : Initial Calibration

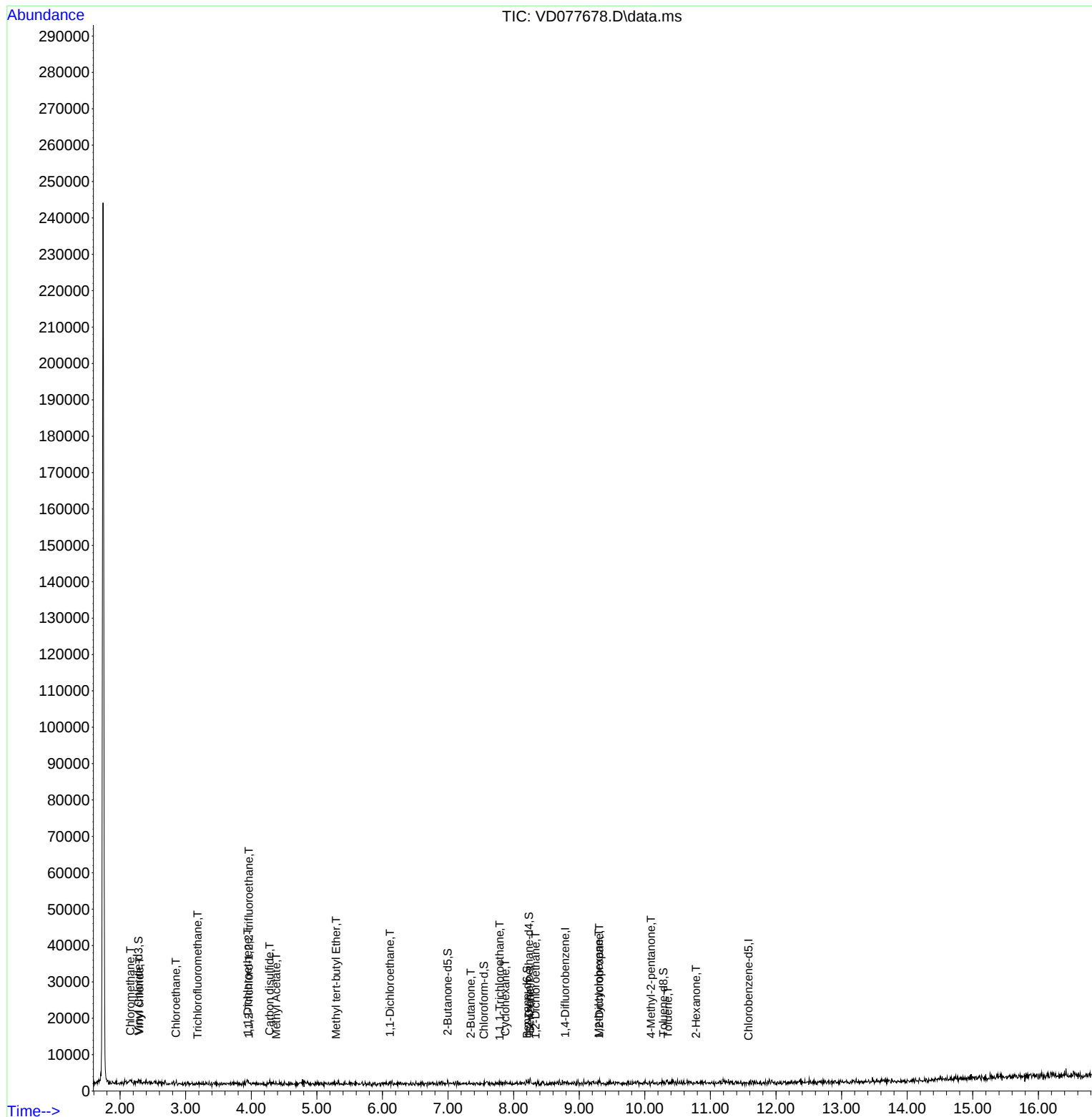
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	10.781	43	113	159.670	ug/L #	40

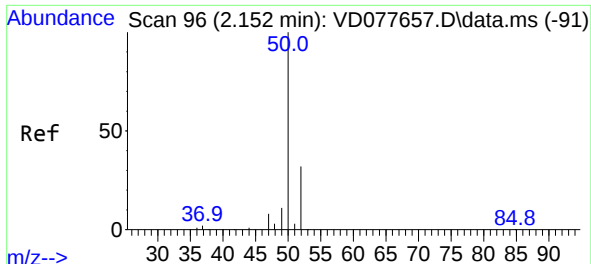
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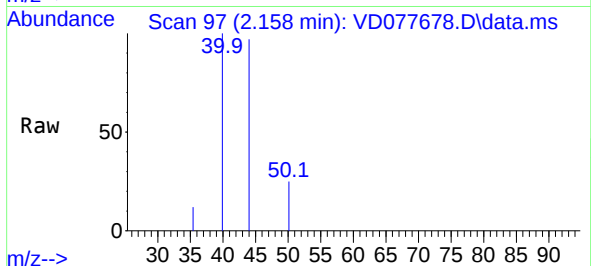
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Quant Title : SFAM01.0
QLast Update : Wed Nov 22 01:40:25 2023
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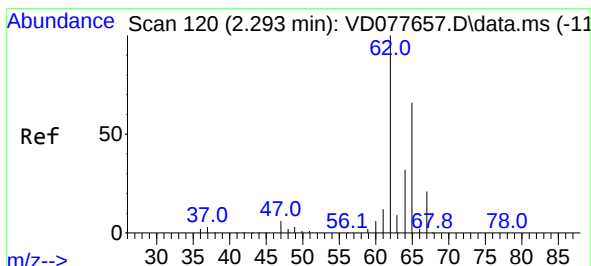
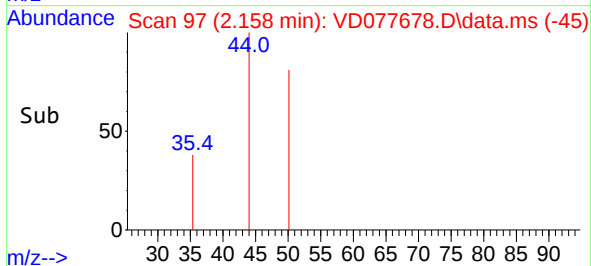
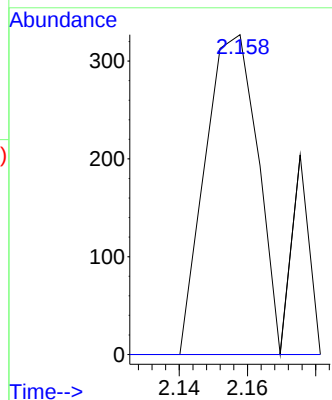


#3
Chloromethane
Concen: 33.199 ug/L
RT: 2.158 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Instrument :
MSVOA_D
ClientSampleId :

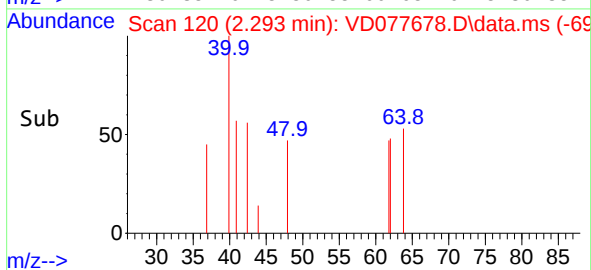
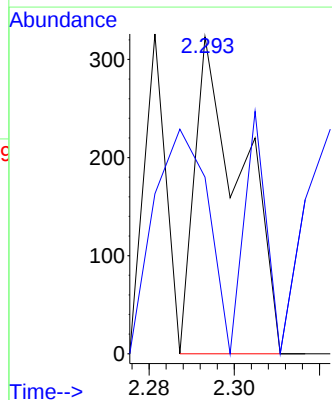
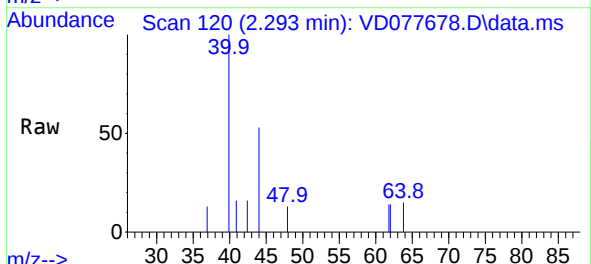


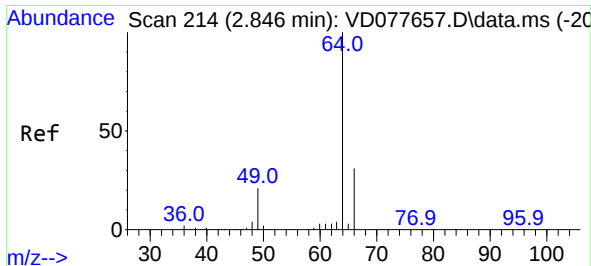
Tgt Ion: 50 Resp: 350
Ion Ratio Lower Upper
50 100
52 0.0 22.1 41.1#



#5
Vinyl chloride
Concen: 20.842 ug/L
RT: 2.293 min Scan# 120
Delta R.T. 0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Tgt Ion: 62 Resp: 248
Ion Ratio Lower Upper
62 100
64 55.7 23.9 44.5#





#8

Chloroethane

Concen: 48.665 ug/L

RT: 2.852 min Scan# 214

Delta R.T. 0.006 min

Lab File: VD077678.D

Acq: 22 Nov 2023 18:37

Instrument :

MSVOA_D

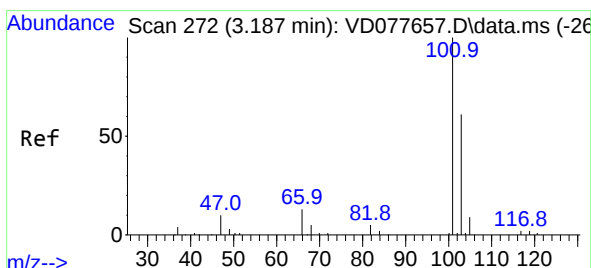
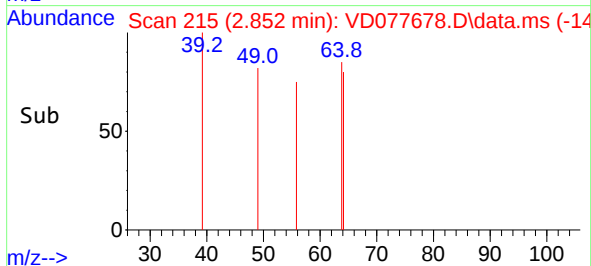
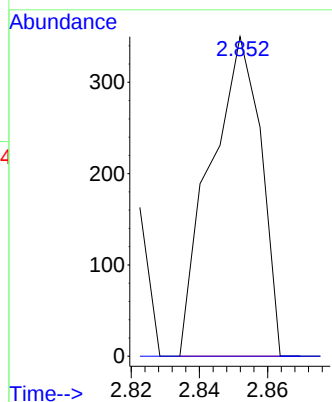
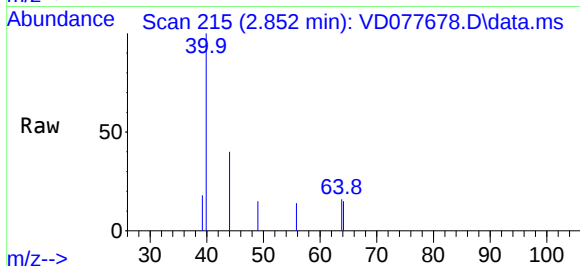
ClientSampleId :

Tgt Ion: 64 Resp: 360

Ion Ratio Lower Upper

64 100

66 0.0 19.8 36.8#



#9

Trichlorofluoromethane

Concen: 5.910 ug/L

RT: 3.181 min Scan# 271

Delta R.T. -0.006 min

Lab File: VD077678.D

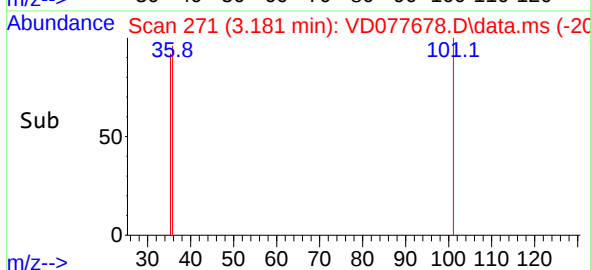
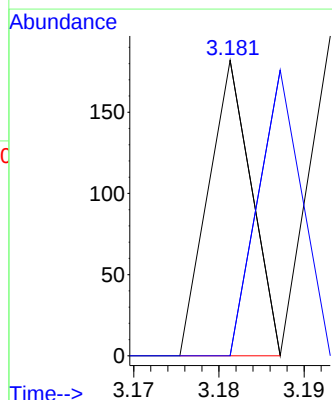
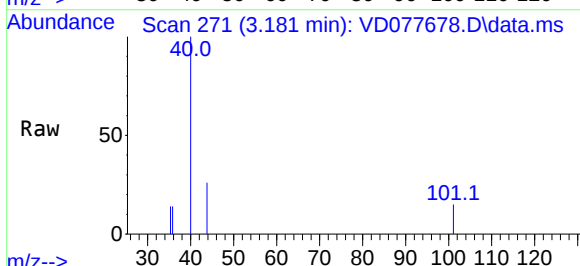
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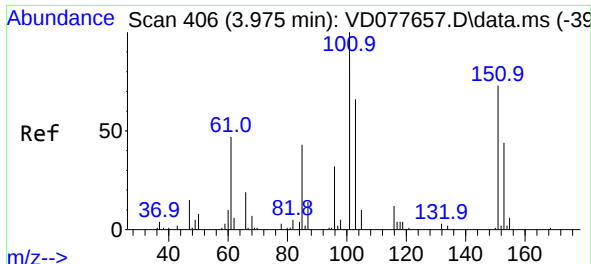
Tgt Ion:101 Resp: 64

Ion Ratio Lower Upper

101 100

103 0.0 51.9 77.9#

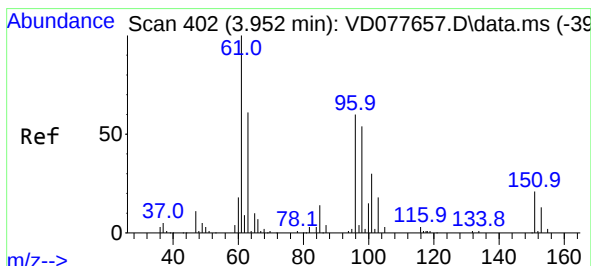
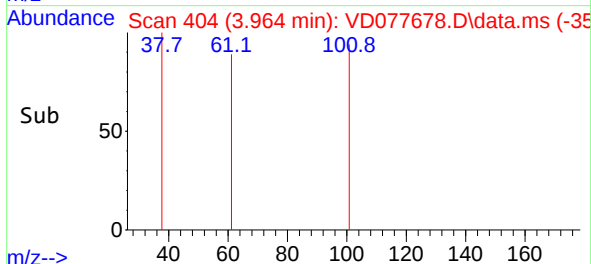
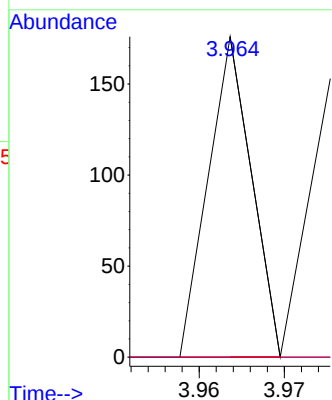
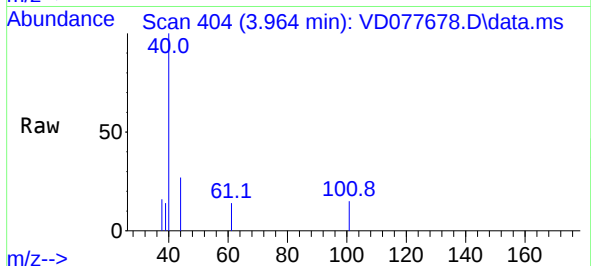




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.304 ug/L
RT: 3.964 min Scan# 406
Delta R.T. -0.017 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

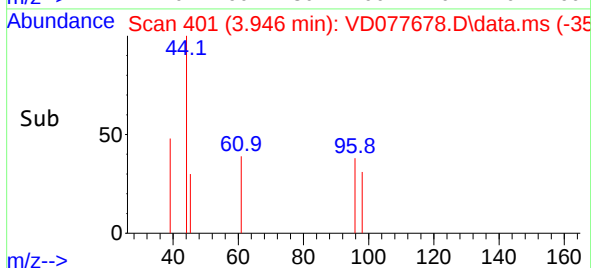
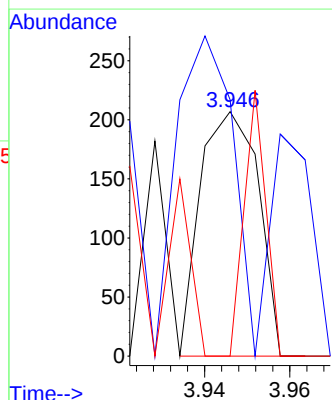
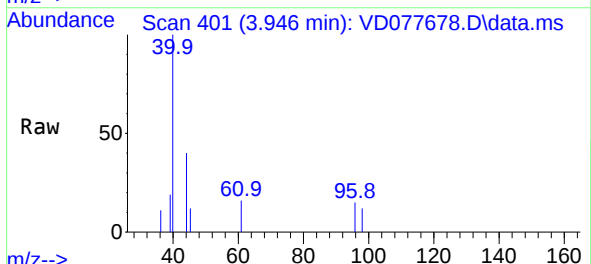
Instrument :
MSVOA_D
ClientSampleId :

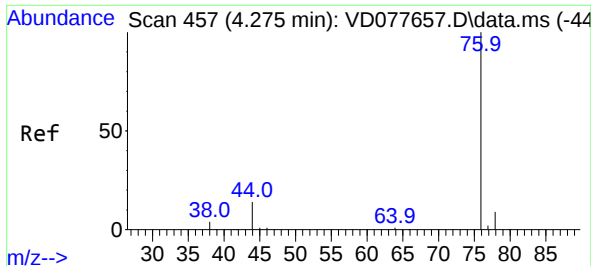
Tgt Ion:101 Resp: 62
Ion Ratio Lower Upper
101 100
85 0.0 36.8 55.2#
151 0.0 56.6 84.8#



#12
1,1-Dichloroethene
Concen: 30.292 ug/L
RT: 3.946 min Scan# 401
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Tgt Ion: 96 Resp: 196
Ion Ratio Lower Upper
96 100
61 104.8 127.5 236.9#
63 0.0 86.4 160.4#

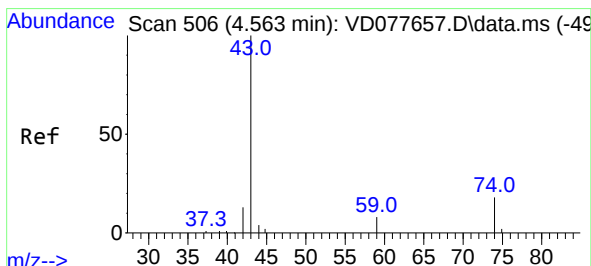
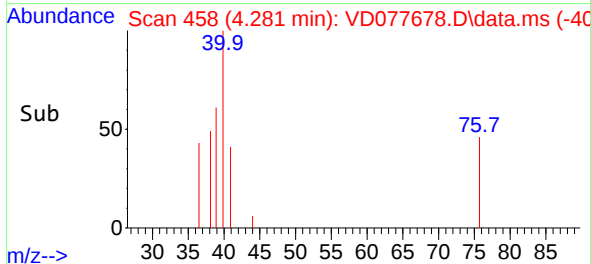
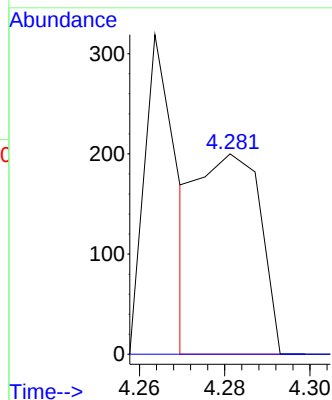
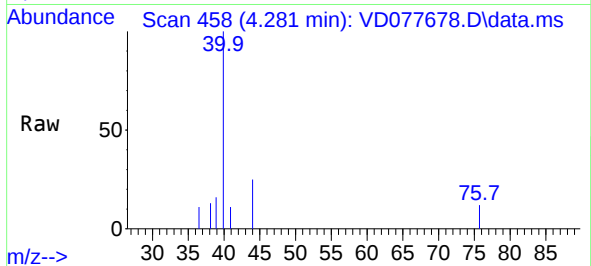




#14
Carbon disulfide
Concen: 8.455 ug/L
RT: 4.281 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

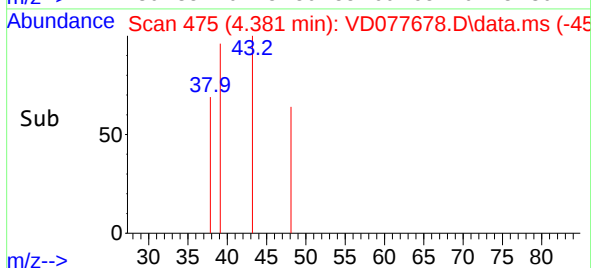
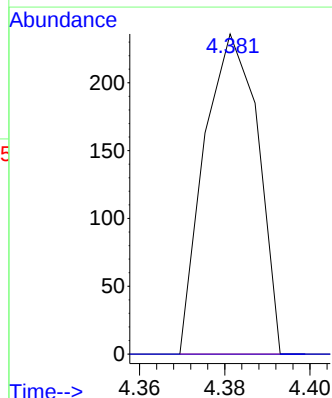
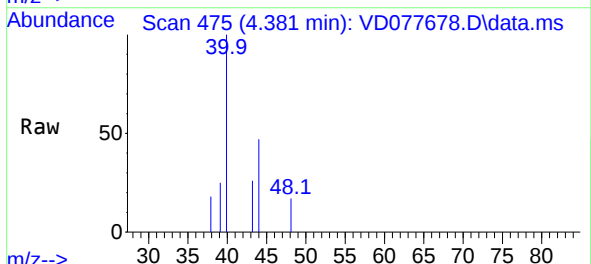
Instrument :
MSVOA_D
ClientSampleId :

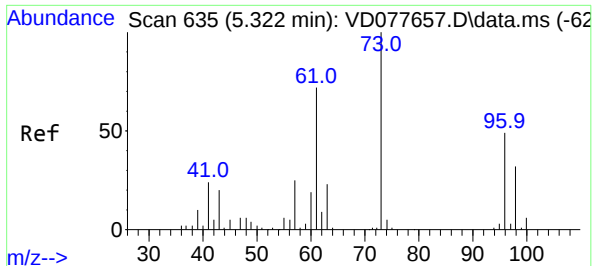
Tgt Ion: 76 Resp: 197
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#15
Methyl Acetate
Concen: 59.445 ug/L
RT: 4.381 min Scan# 475
Delta R.T. -0.188 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

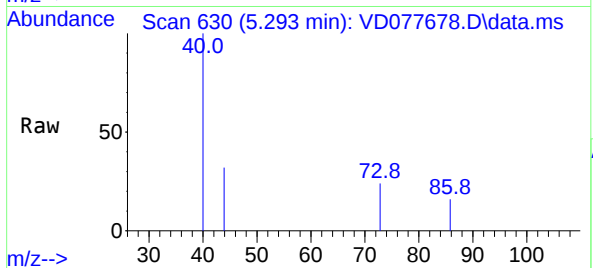
Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



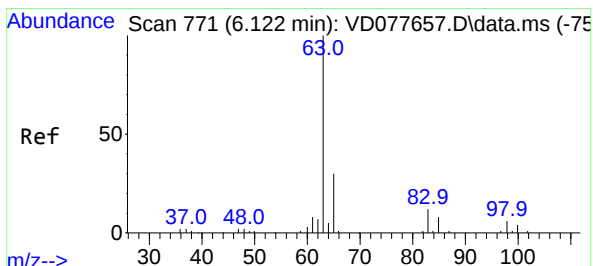
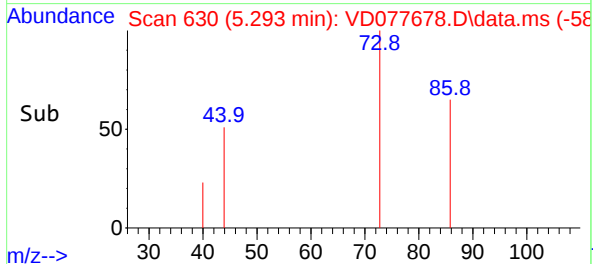
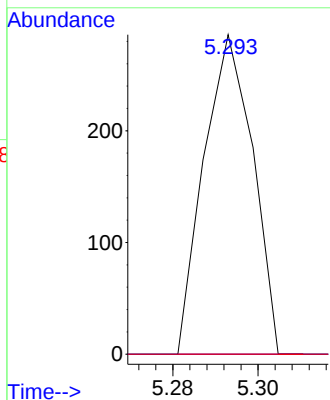


#18
Methyl tert-butyl Ether
Concen: 14.272 ug/L
RT: 5.293 min Scan# 61
Delta R.T. -0.035 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Instrument :
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ClientSampleId :

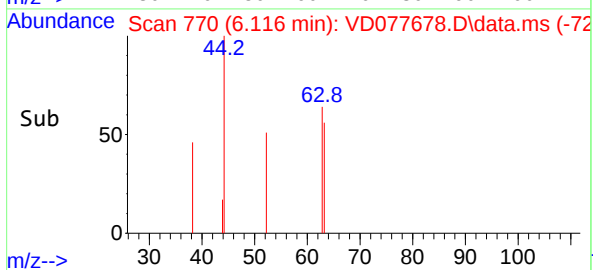
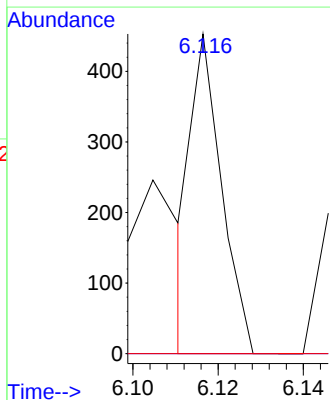
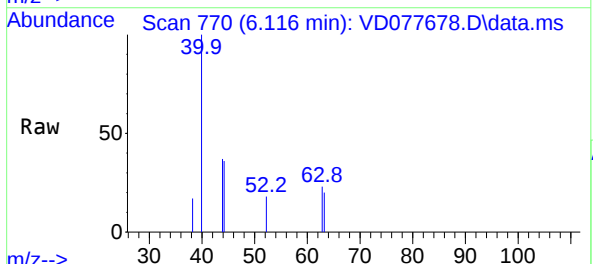


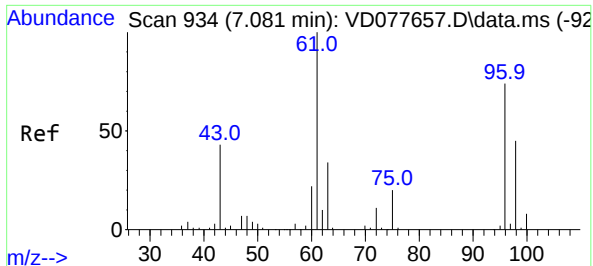
Tgt Ion: 73 Resp: 228
Ion Ratio Lower Upper
73 100
43 50.0 16.4 24.6#
57 0.0 19.3 28.9#



#19
1,1-Dichloroethane
Concen: 15.964 ug/L
RT: 6.116 min Scan# 770
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Tgt Ion: 63 Resp: 218
Ion Ratio Lower Upper
63 100
65 0.0 22.6 42.0#
83 0.0 8.8 16.3#

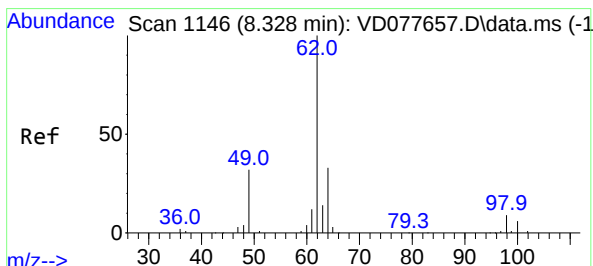
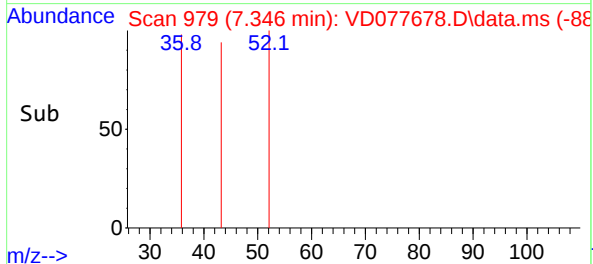
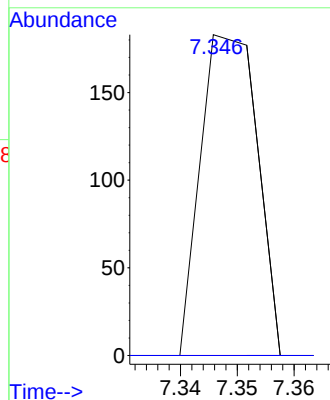
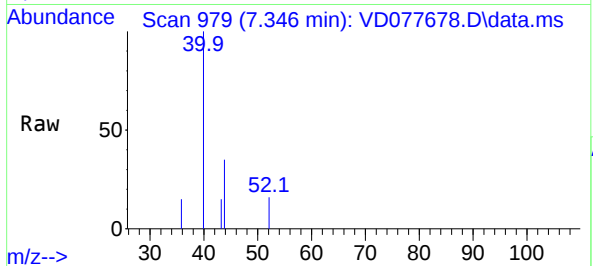




#22
2-Butanone
Concen: 50.108 ug/L
RT: 7.346 min Scan# 91
Delta R.T. 0.259 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

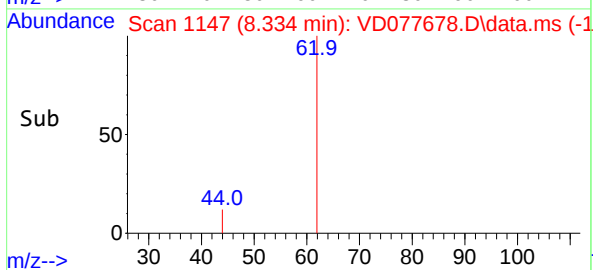
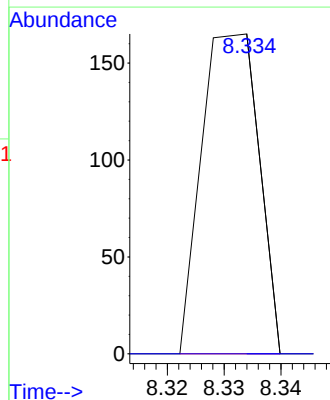
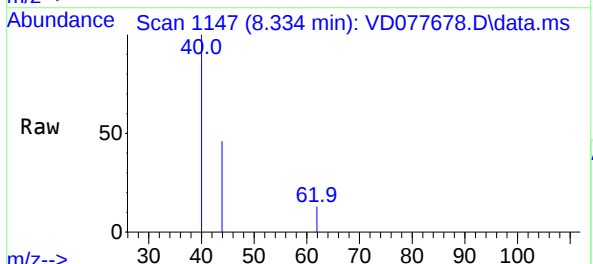
Instrument :
MSVOA_D
ClientSampleId :

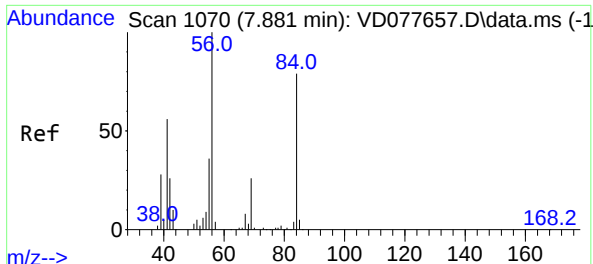
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
72 0.0 12.8 38.4#



#27
1,2-Dichloroethane
Concen: 13.949 ug/L
RT: 8.334 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Tgt Ion: 62 Resp: 116
Ion Ratio Lower Upper
62 100
98 0.0 8.0 12.0#





#29

Cyclohexane

Concen: 53.493 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.012 min

Lab File: VD077678.D

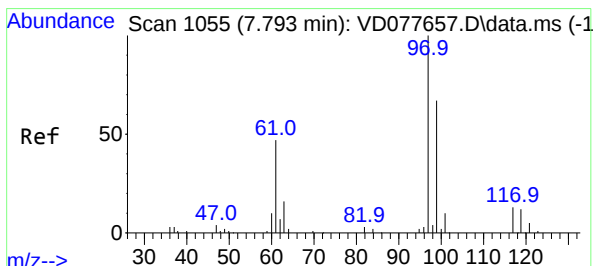
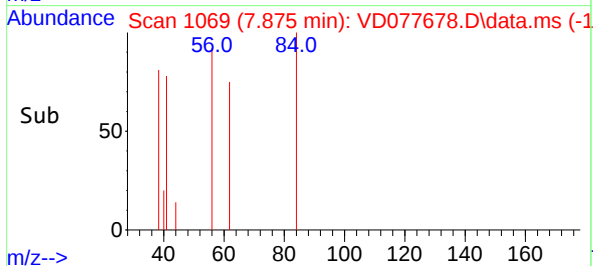
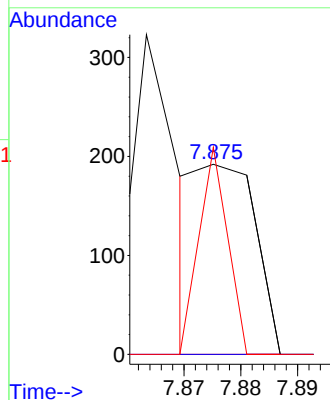
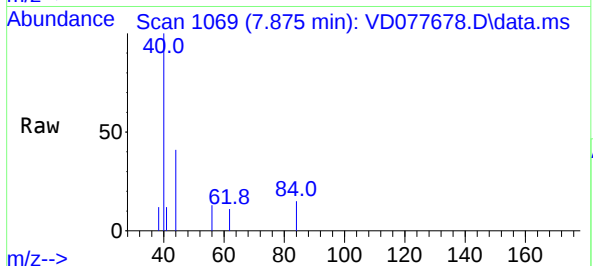
Acq: 22 Nov 2023 18:37

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	56	Resp:	132
Ion	Ratio	Lower	Upper
56	100		
69	0.0	22.6	33.8#
84	0.0	63.3	94.9#



#30

1,1,1-Trichloroethane

Concen: 157.822 ug/L

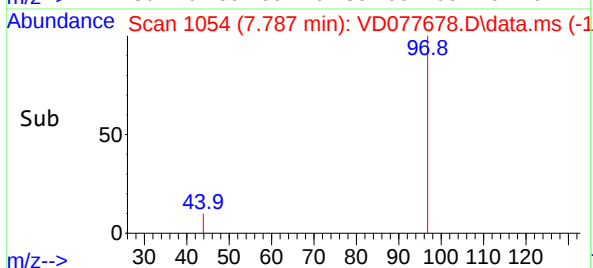
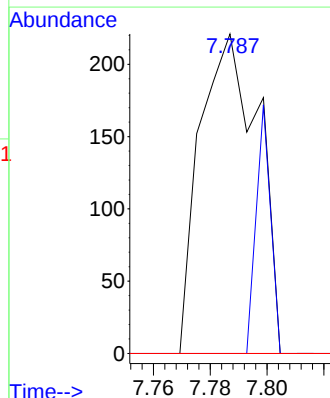
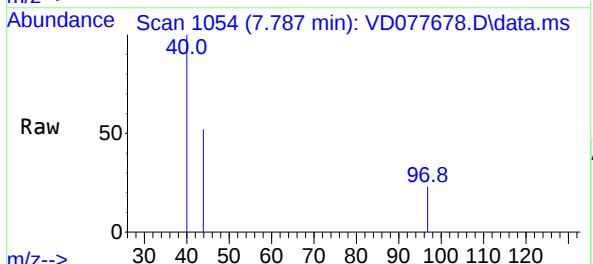
RT: 7.787 min Scan# 1054

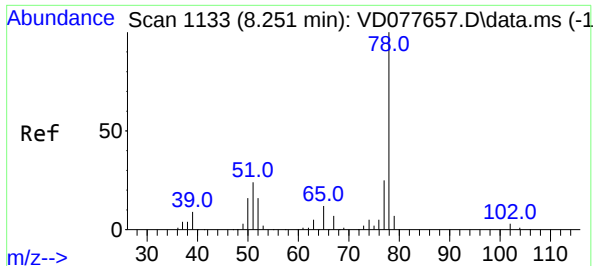
Delta R.T. -0.012 min

Lab File: VD077678.D

Acq: 22 Nov 2023 18:37

Tgt Ion:	97	Resp:	314
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.2#
61	0.0	38.1	57.1#

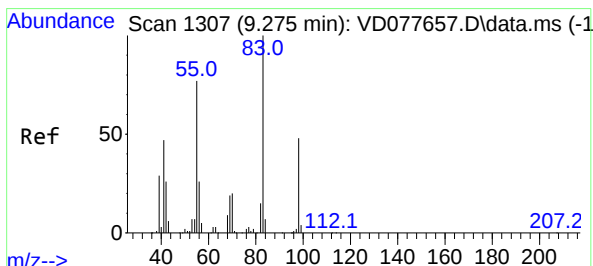
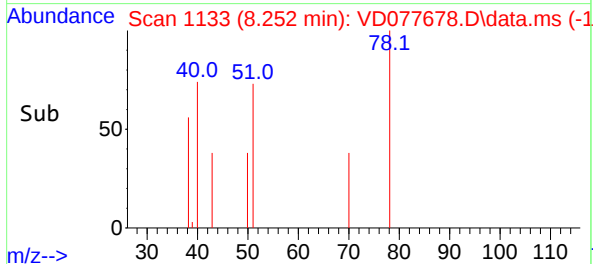
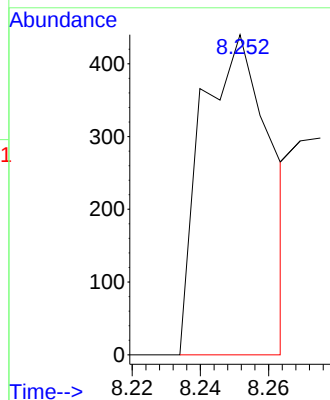
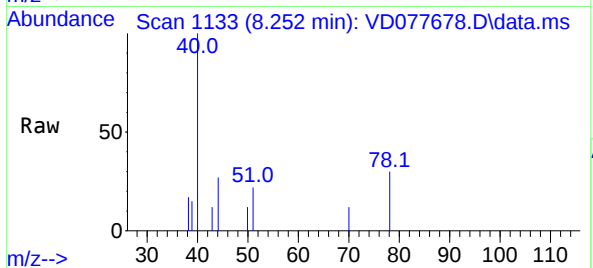




#33
Benzene
Concen: 117.071 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

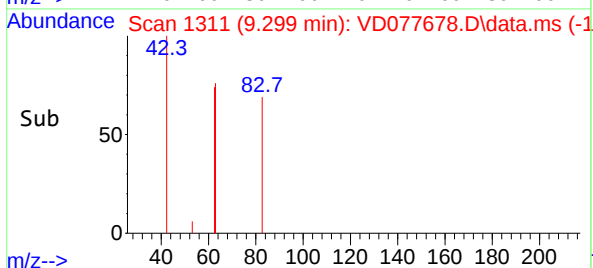
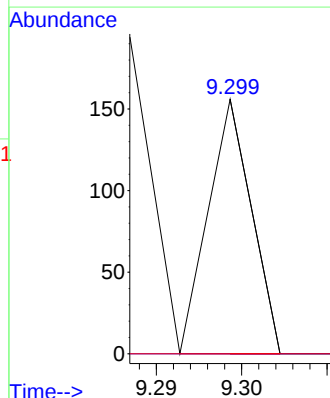
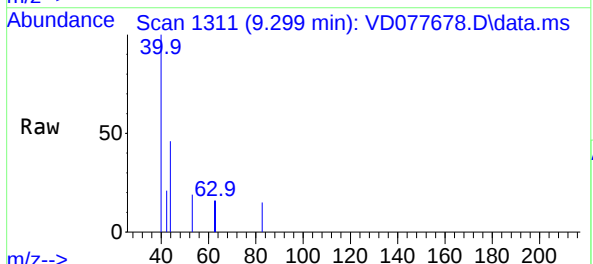
Instrument :
MSVOA_D
ClientSampleId :

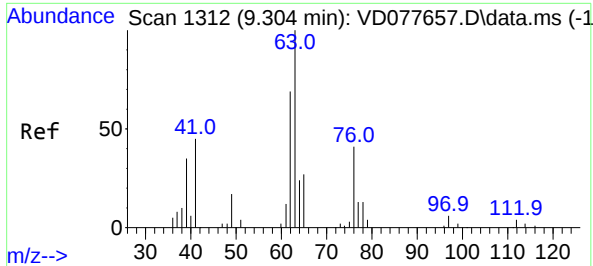
Tgt Ion: 78 Resp: 617



#35
Methylcyclohexane
Concen: 23.338 ug/L
RT: 9.299 min Scan# 1311
Delta R.T. 0.024 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Tgt Ion: 83 Resp: 55
Ion Ratio Lower Upper
83 100
55 0.0 66.5 99.7#
98 0.0 37.4 56.2#

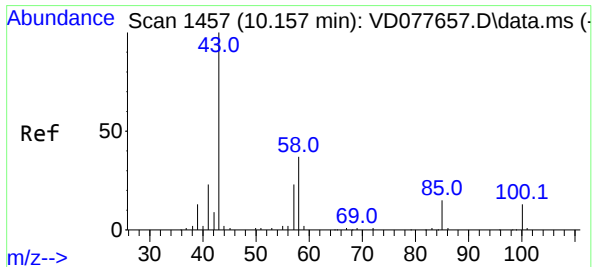
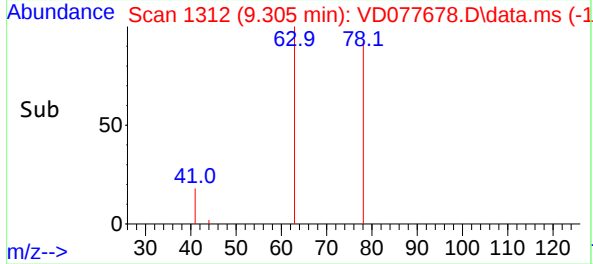
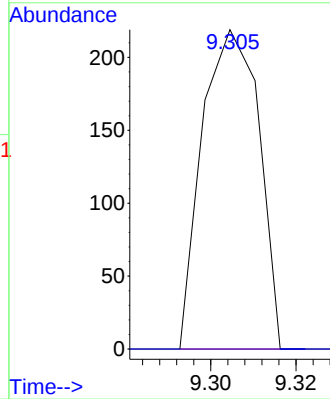
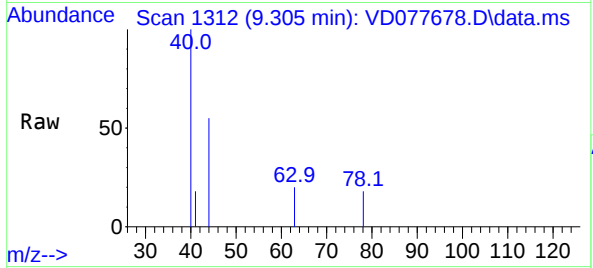




#37
1,2-Dichloropropane
Concen: 137.871 ug/L
RT: 9.305 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

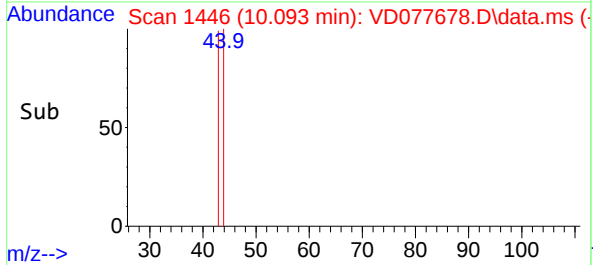
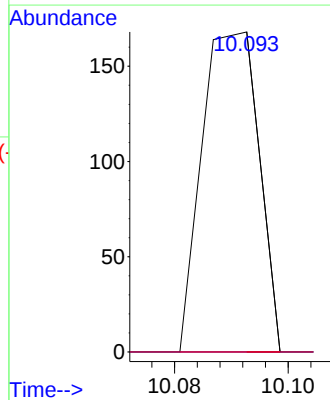
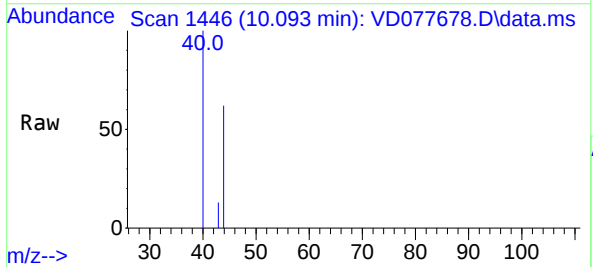
Instrument :
MSVOA_D
ClientSampleId :

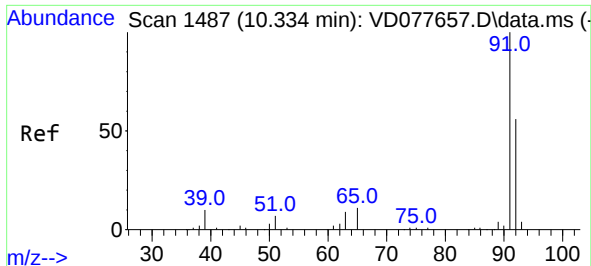
Tgt Ion: 63 Resp: 202
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#40
4-Methyl-2-pentanone
Concen: 131.041 ug/L
RT: 10.093 min Scan# 1446
Delta R.T. -0.064 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#
100 73.5 9.5 14.3#

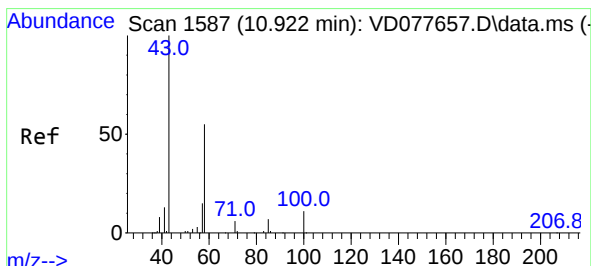
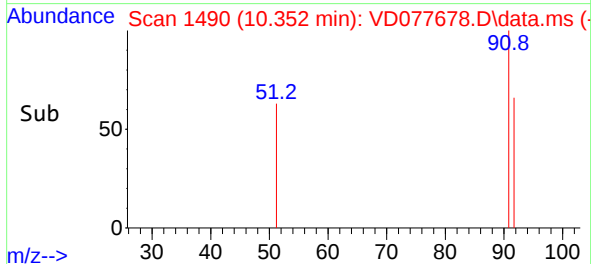
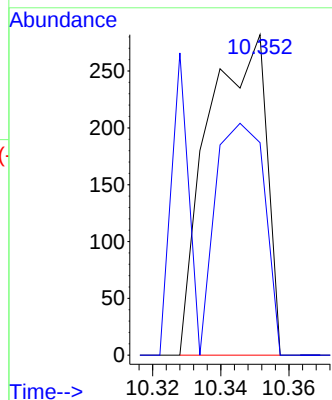
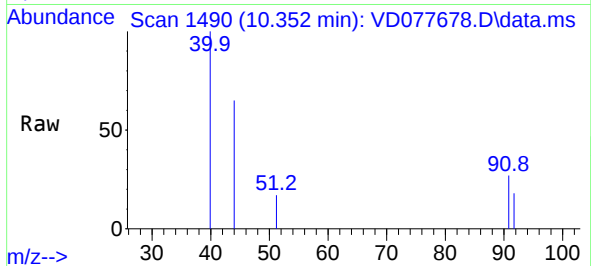




#42
Toluene
Concen: 60.542 ug/L
RT: 10.352 min Scan# 14
Delta R.T. 0.012 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 335
Ion Ratio Lower Upper
91 100
92 39.9 39.3 73.1



#48
2-Hexanone
Concen: 159.670 ug/L
RT: 10.781 min Scan# 1563
Delta R.T. -0.141 min
Lab File: VD077678.D
Acq: 22 Nov 2023 18:37

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 0.0 13.7 20.5#
100 0.0 7.8 11.8#

