

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111424\
 Data File : VU061667.D
 Acq On : 14 Nov 2024 13:18
 Operator : MD/SY
 Sample : P4761-21
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 00:45:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 15 00:40:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	180114	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	170373	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	78141	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	53194	4.571	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.911	69	44660	4.495	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.560	65	23637	4.527	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.628	46	113514	45.956	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.920%
24) Chloroform-d	5.052	84	109025	4.713	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.692	65	52655	4.743	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.718	84	226098	4.797	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.679	67	68750	4.946	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.891	98	209451	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.174	79	21837	4.265	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.627	63	95382	47.139	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.280%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	52026	4.747	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	71361	5.127	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.387	85	2049	0.153	ug/L	96
3) Chloromethane	1.518	50	1697	0.140	ug/L #	75
5) Vinyl chloride	1.599	62	208412	15.551	ug/L	90
8) Chloroethane	1.927	64	4977	0.535	ug/L #	70
12) 1,1-Dichloroethene	2.573	96	3707	0.341	ug/L #	1
15) Methyl Acetate	2.959	43	893	0.230	ug/L #	47
17) Methyl tert-butyl Ether	3.354	73	5242	0.197	ug/L #	74
18) trans-1,2-Dichloroethene	3.351	96	7903	0.663	ug/L	93
19) 1,1-Dichloroethane	3.859	63	57594	2.649	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	831189	61.799	ug/L	99
25) Chloroform	5.081	83	5740	0.250	ug/L	97
27) 1,2-Dichloroethane	5.782	62	280039	19.473	ug/L	100
30) Cyclohexane	5.377	56	2090	0.108	ug/L	90
33) Benzene	5.766	78	27244	0.528	ug/L	100
34) Trichloroethene	6.534	95	65776	4.724	ug/L	99
51) Chlorobenzene	9.438	112	174734	4.890	ug/L	100
61) 1,2,3-Trichloropropane	11.804	75	13979	1.899	ug/L #	62
65) 1,4-Dichlorobenzene	11.830	146	13834	0.548	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	3880	0.168	ug/L	95

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 15 00:40:52 2024
Response via : Initial Calibration

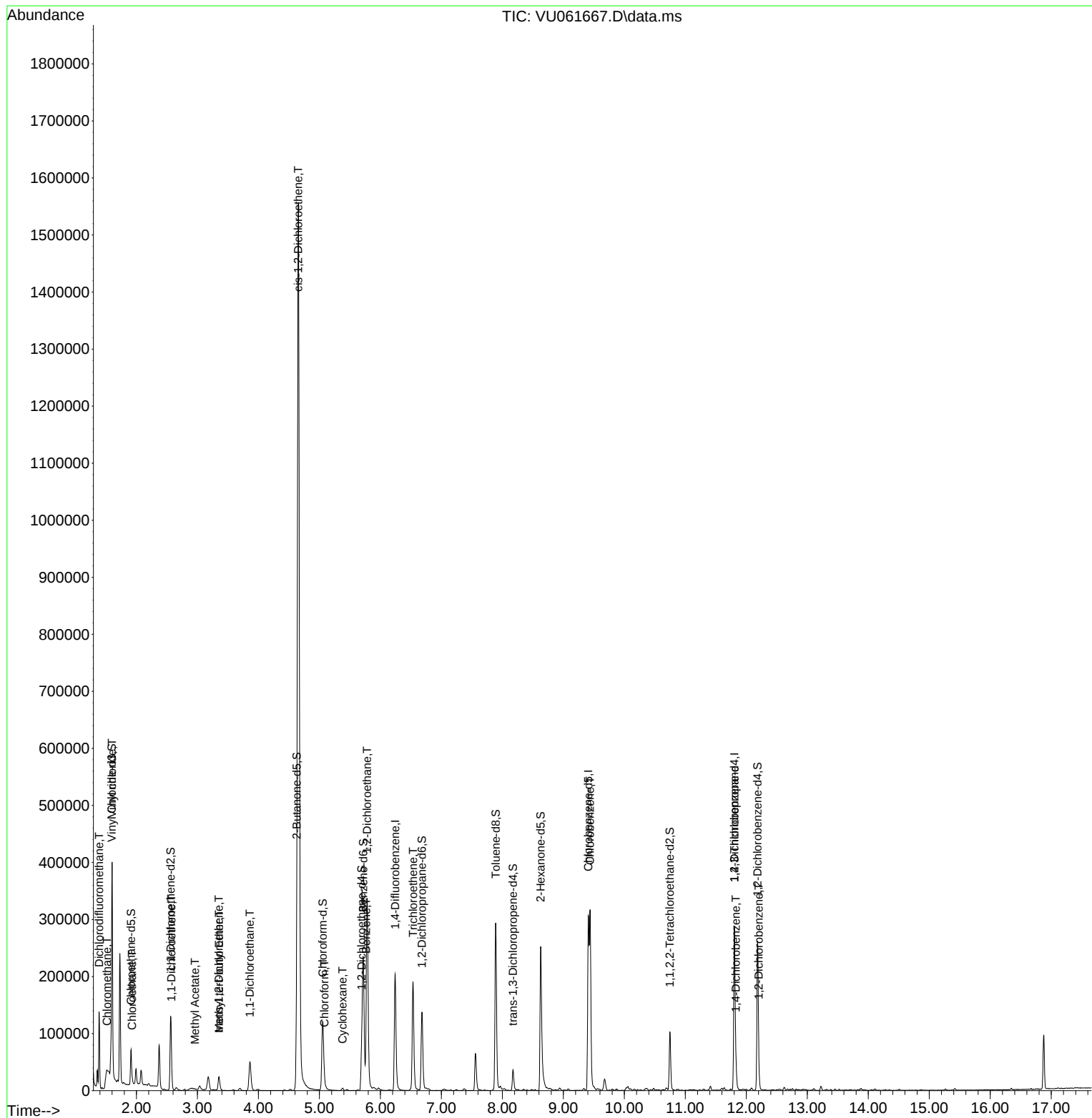
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

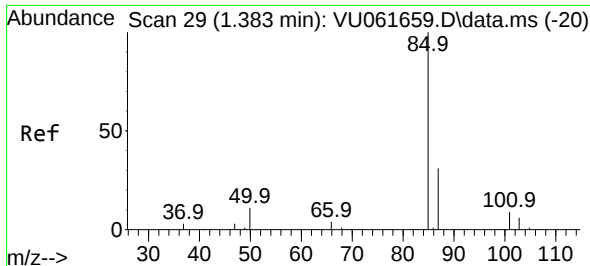
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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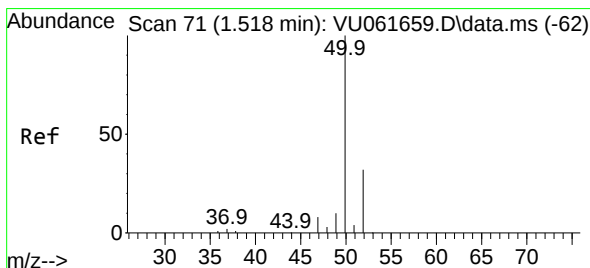
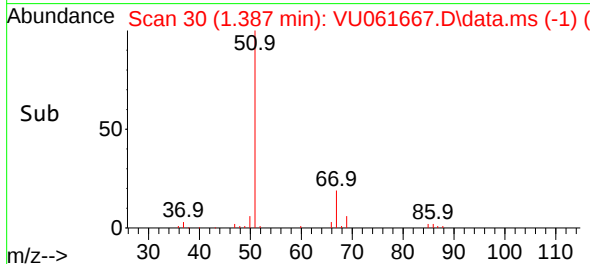
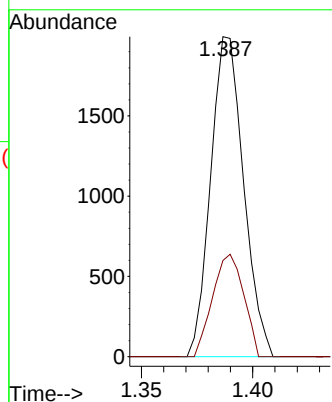
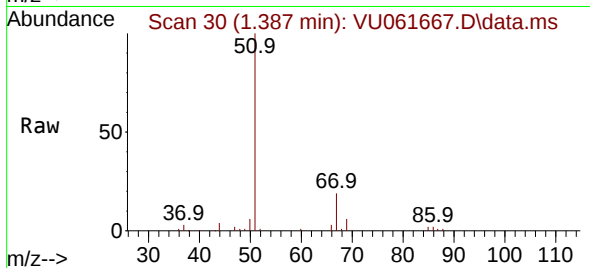




#2
Dichlorodifluoromethane
Concen: 0.153 ug/L
RT: 1.387 min Scan# 30
Delta R.T. 0.003 min
Lab File: VU061667.D
Acq: 14 Nov 2024 13:18

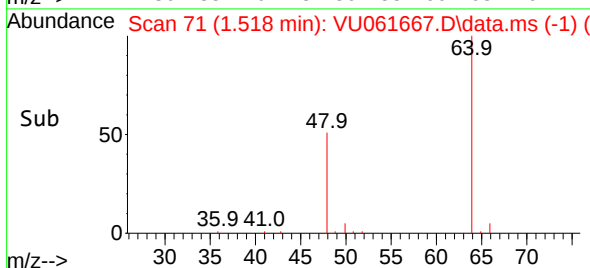
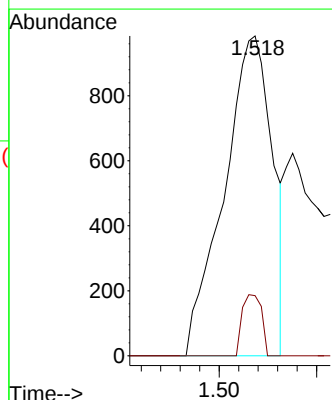
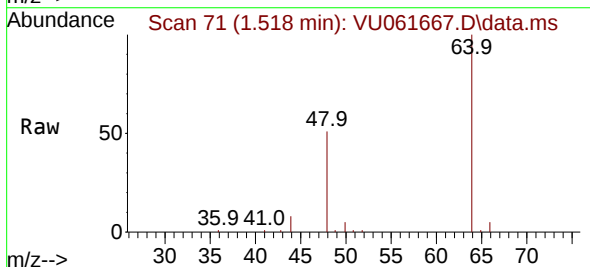
Instrument :
MSVOA_U
ClientSampleId :

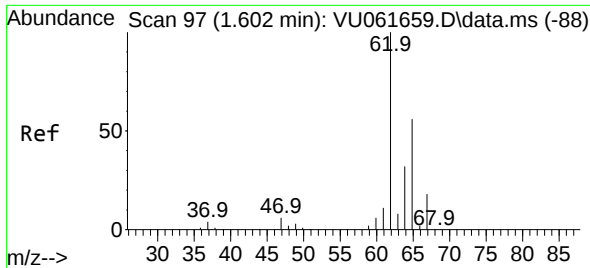
Tgt Ion: 85 Resp: 2049
Ion Ratio Lower Upper
85 100
87 30.2 26.0 39.0



#3
Chloromethane
Concen: 0.140 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU061667.D
Acq: 14 Nov 2024 13:18

Tgt Ion: 50 Resp: 1697
Ion Ratio Lower Upper
50 100
52 18.8 23.2 43.2#

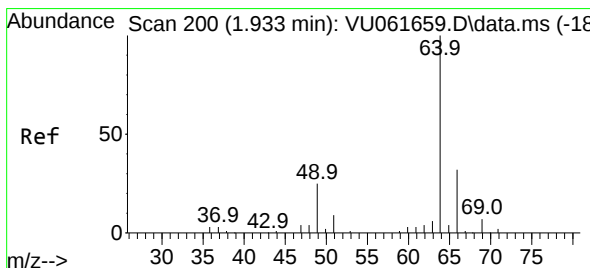
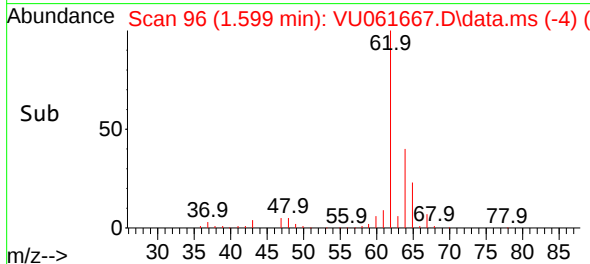
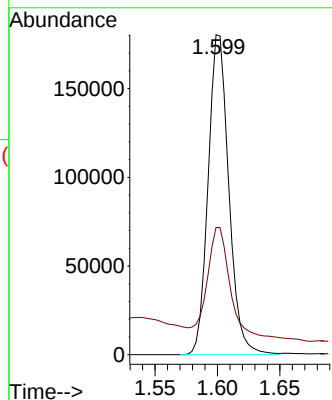
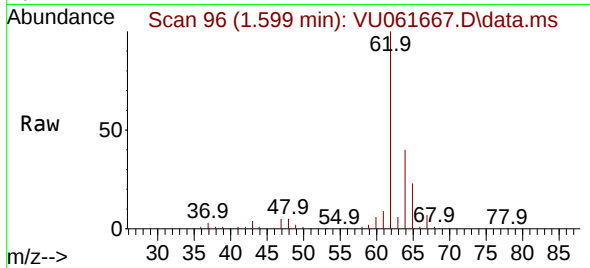




#5
 Vinyl chloride
 Concen: 15.551 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU061667.D
 Acq: 14 Nov 2024 13:18

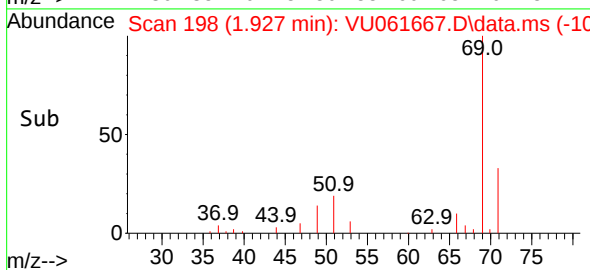
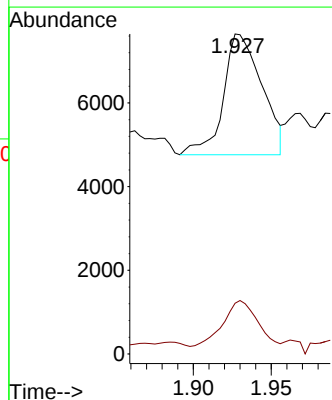
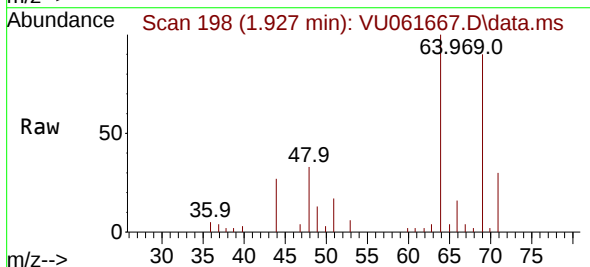
Instrument :
 MSVOA_U
 ClientSampleId :

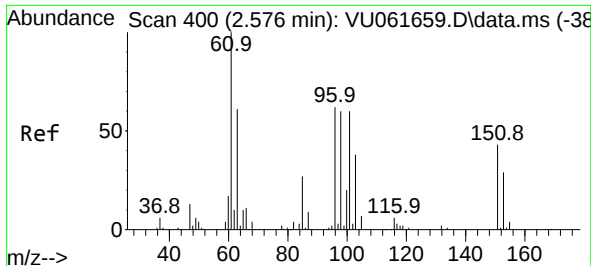
Tgt Ion: 62 Resp: 208412
 Ion Ratio Lower Upper
 62 100
 64 39.7 23.7 44.1



#8
 Chloroethane
 Concen: 0.535 ug/L
 RT: 1.927 min Scan# 198
 Delta R.T. -0.006 min
 Lab File: VU061667.D
 Acq: 14 Nov 2024 13:18

Tgt Ion: 64 Resp: 4977
 Ion Ratio Lower Upper
 64 100
 66 15.9 23.1 42.9#





#12

1,1-Dichloroethene

Concen: 0.341 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU061667.D

Acq: 14 Nov 2024 13:18

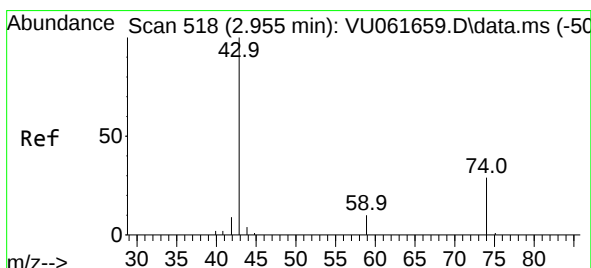
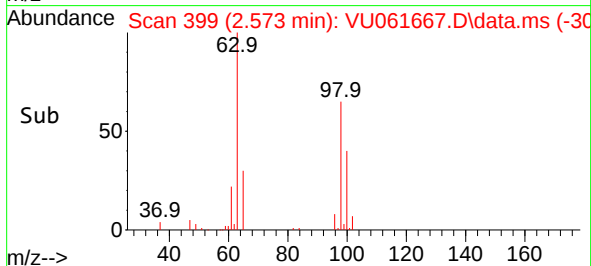
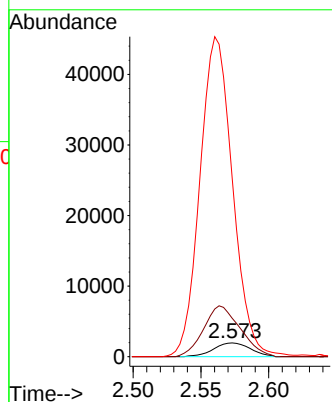
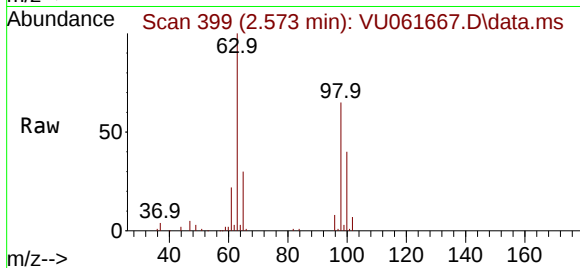
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 3707

Ion	Ratio	Lower	Upper
96	100		
61	278.1	116.8	217.0#
63	1293.1	86.1	159.9#



#15

Methyl Acetate

Concen: 0.230 ug/L

RT: 2.959 min Scan# 519

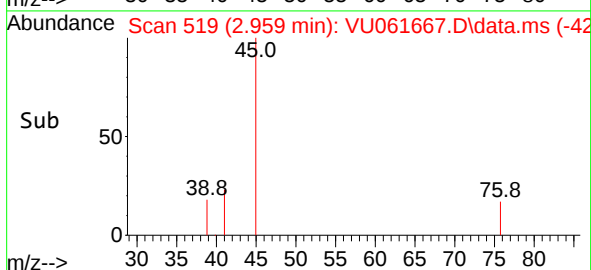
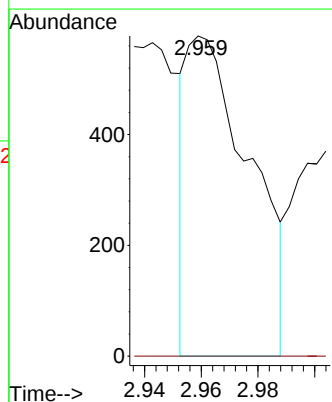
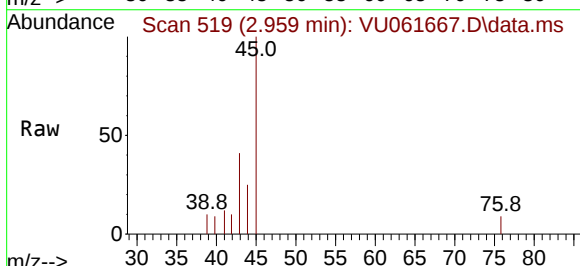
Delta R.T. 0.003 min

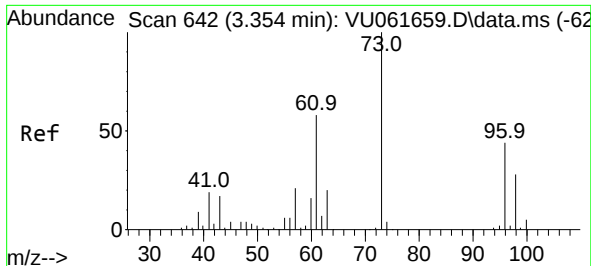
Lab File: VU061667.D

Acq: 14 Nov 2024 13:18

Tgt Ion: 43 Resp: 893

Ion	Ratio	Lower	Upper
43	100		
74	0.0	22.5	33.7#





#17

Methyl tert-butyl Ether

Concen: 0.197 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU061667.D

Acq: 14 Nov 2024 13:18

Instrument :

MSVOA_U

ClientSampleId :

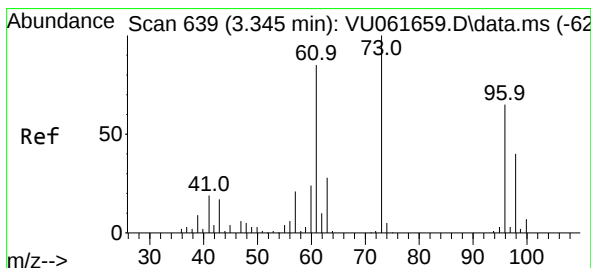
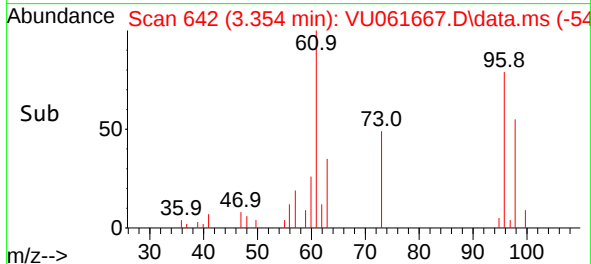
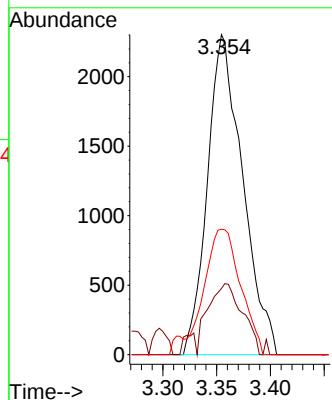
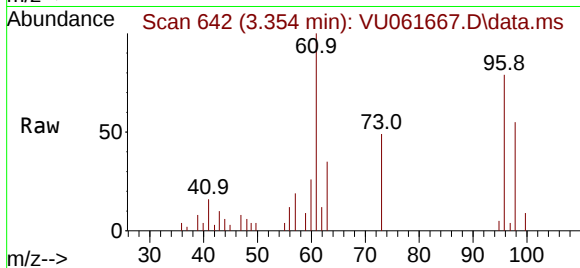
Tgt Ion: 73 Resp: 5242

Ion Ratio Lower Upper

73 100

43 21.7 14.2 21.4#

57 39.9 16.9 25.3#



#18

trans-1,2-Dichloroethene

Concen: 0.663 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.007 min

Lab File: VU061667.D

Acq: 14 Nov 2024 13:18

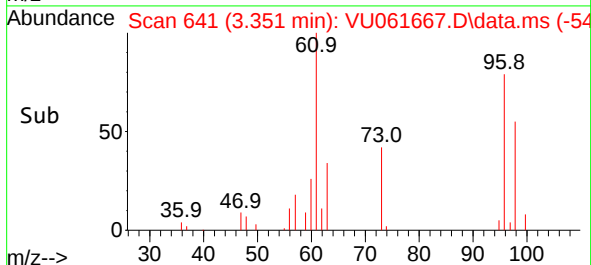
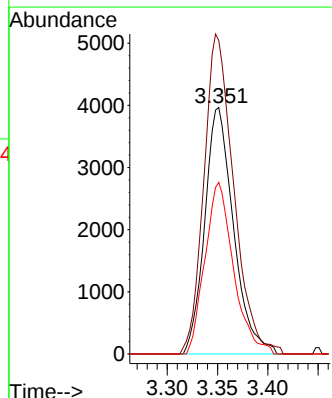
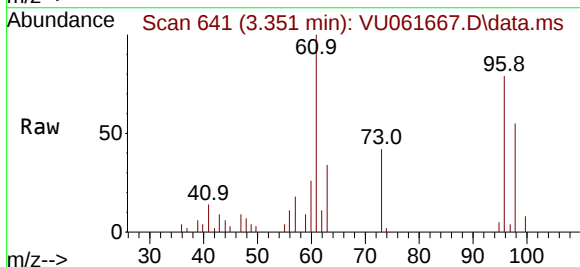
Tgt Ion: 96 Resp: 7903

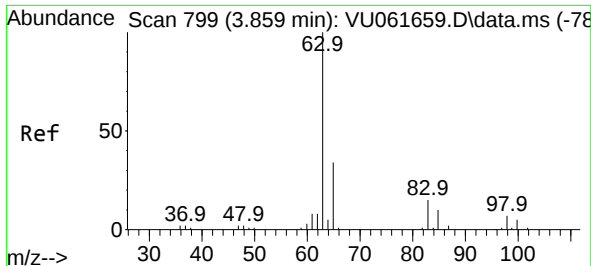
Ion Ratio Lower Upper

96 100

61 127.1 94.1 174.8

98 69.6 43.2 80.2





#19

1,1-Dichloroethane

Concen: 2.649 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU061667.D

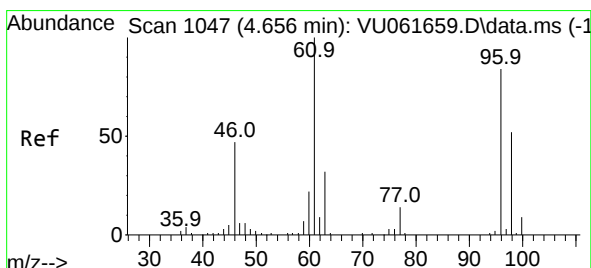
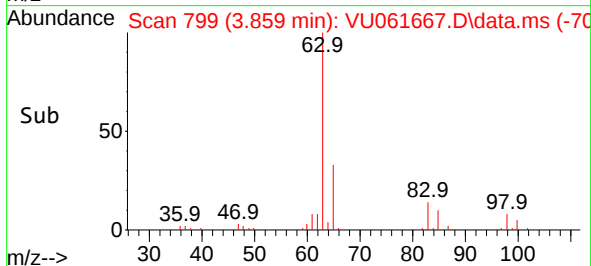
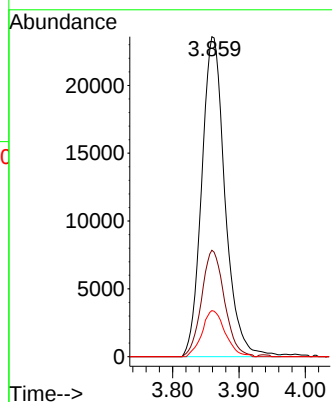
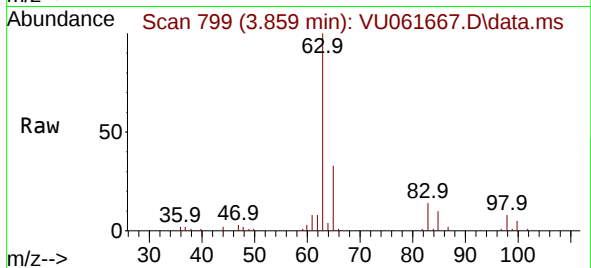
Acq: 14 Nov 2024 13:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	57594
Ion	Ratio	Lower	Upper
63	100		
65	33.3	23.4	43.4
83	14.4	9.6	17.8



#22

cis-1,2-Dichloroethene

Concen: 61.799 ug/L

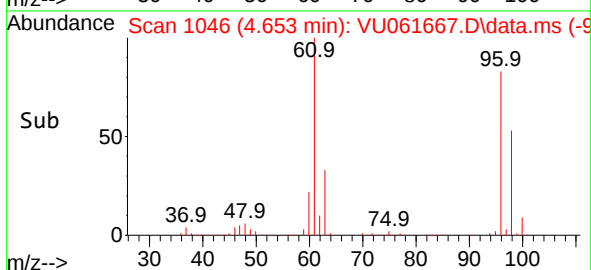
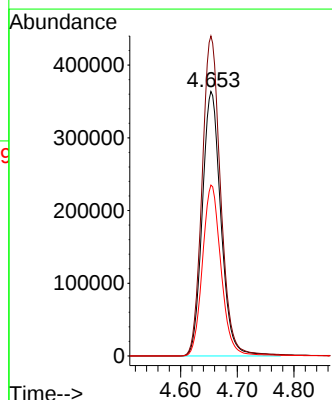
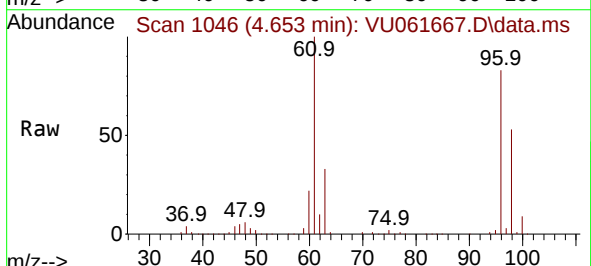
RT: 4.653 min Scan# 1046

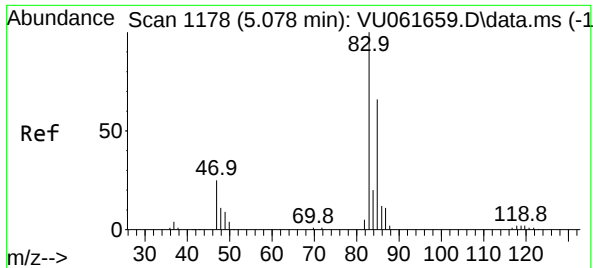
Delta R.T. -0.003 min

Lab File: VU061667.D

Acq: 14 Nov 2024 13:18

Tgt Ion:	96	Resp:	831189
Ion	Ratio	Lower	Upper
96	100		
61	121.0	85.6	159.0
98	64.6	45.6	84.8





#25

Chloroform

Concen: 0.250 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU061667.D

Acq: 14 Nov 2024 13:18

Instrument :

MSVOA_U

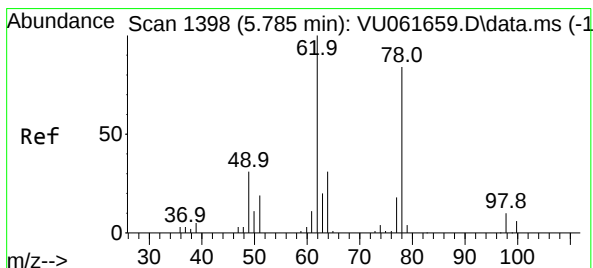
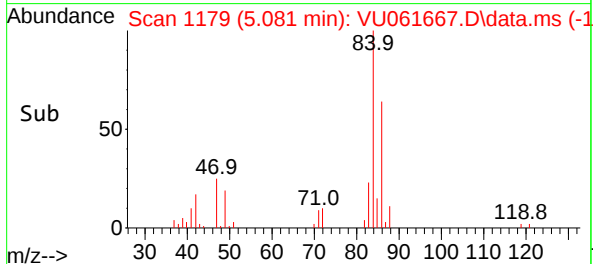
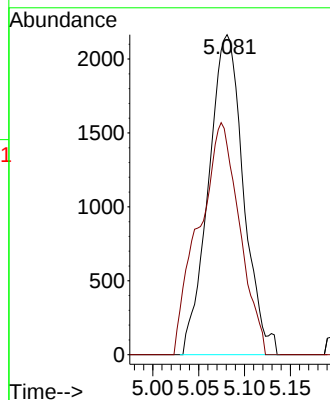
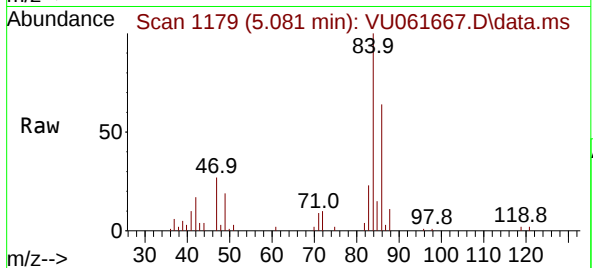
ClientSampleId :

Tgt Ion: 83 Resp: 5740

Ion Ratio Lower Upper

83 100

85 65.3 44.1 81.9



#27

1,2-Dichloroethane

Concen: 19.473 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU061667.D

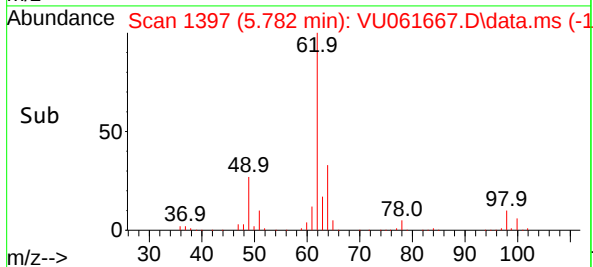
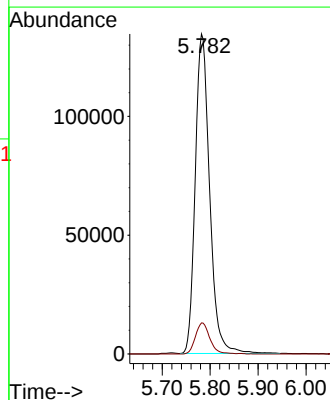
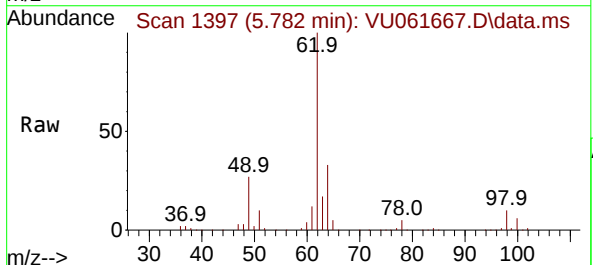
Acq: 14 Nov 2024 13:18

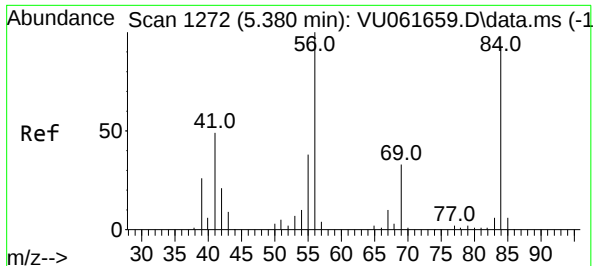
Tgt Ion: 62 Resp: 280039

Ion Ratio Lower Upper

62 100

98 9.7 7.7 11.5





#30

Cyclohexane

Concen: 0.108 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU061667.D

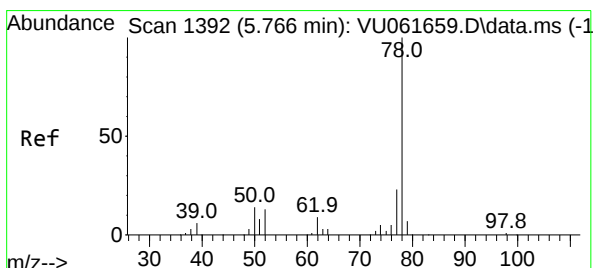
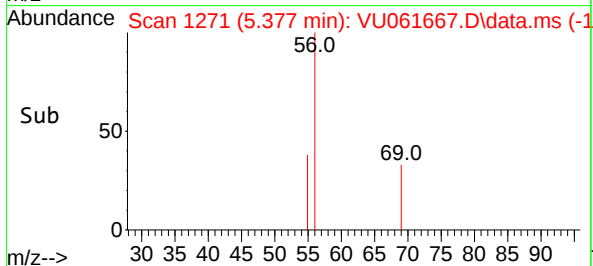
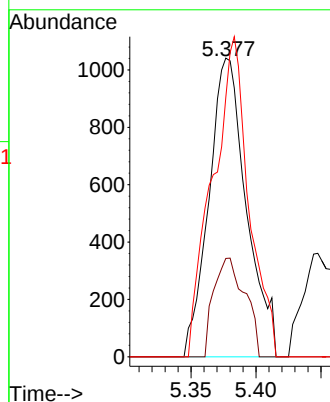
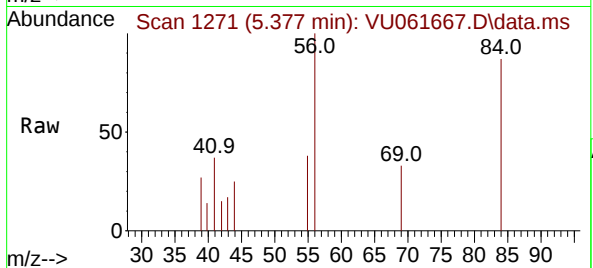
Acq: 14 Nov 2024 13:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	56	Resp:	2090
Ion	Ratio	Lower	Upper
56	100		
69	27.4	25.6	38.4
84	103.4	74.3	111.5



#33

Benzene

Concen: 0.528 ug/L

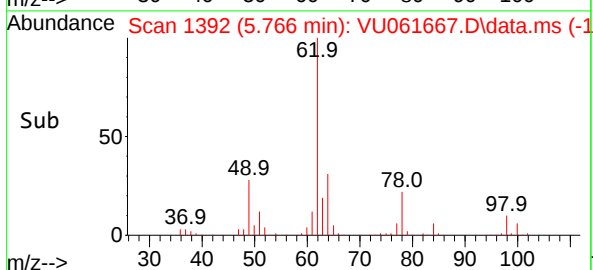
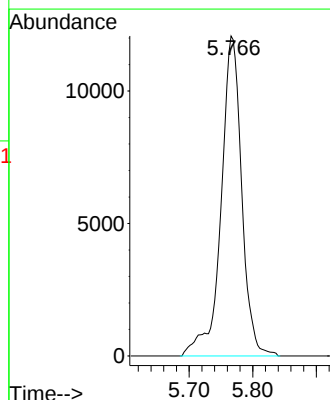
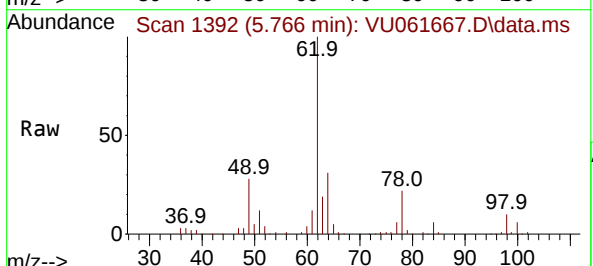
RT: 5.766 min Scan# 1392

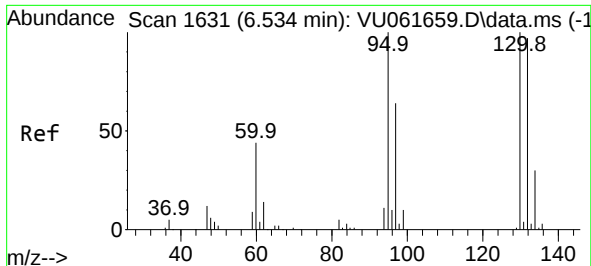
Delta R.T. 0.000 min

Lab File: VU061667.D

Acq: 14 Nov 2024 13:18

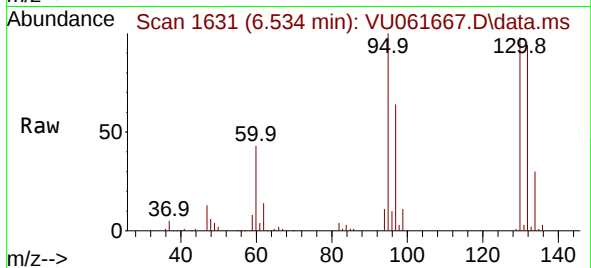
Tgt Ion: 78 Resp: 27244



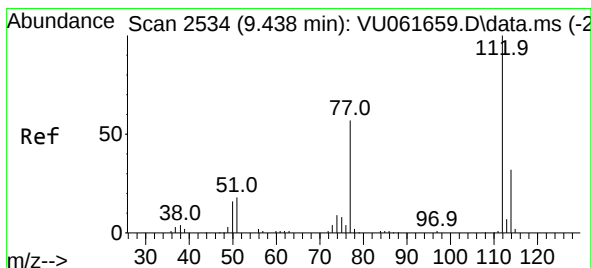
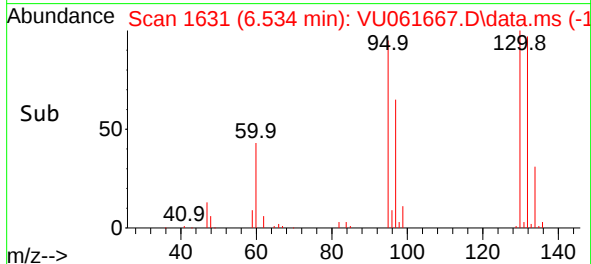
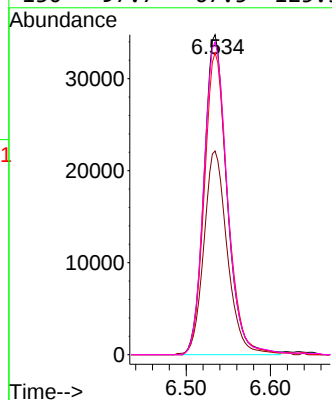


#34
Trichloroethene
Concen: 4.724 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU061667.D
Acq: 14 Nov 2024 13:18

Instrument :
MSVOA_U
ClientSampleId :

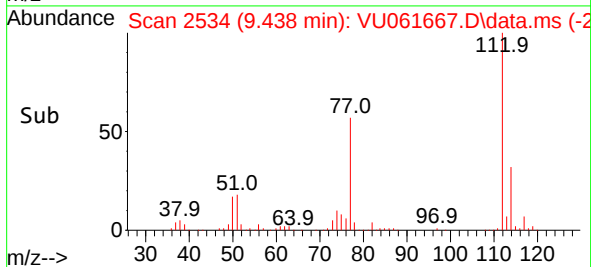
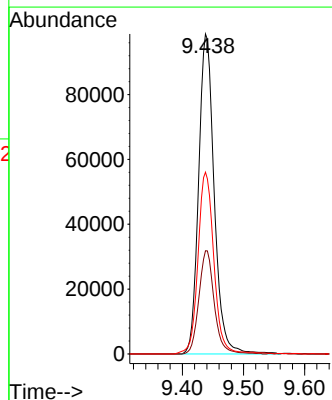
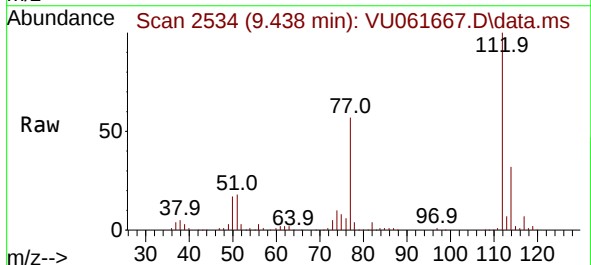


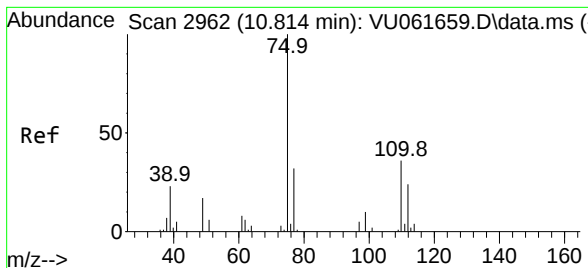
Tgt Ion:	95	Resp:	65776
Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.5	80.9
132	94.4	65.2	121.0
130	97.7	67.5	125.3



#51
Chlorobenzene
Concen: 4.890 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. 0.000 min
Lab File: VU061667.D
Acq: 14 Nov 2024 13:18

Tgt Ion:	112	Resp:	174734
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.5	41.9
77	56.8	45.3	67.9





#61

1,2,3-Trichloropropane

Concen: 1.899 ug/L

RT: 11.804 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU061667.D

Acq: 14 Nov 2024 13:18

Instrument :

MSVOA_U

ClientSampleId :

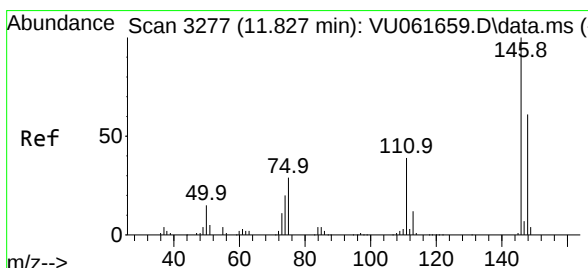
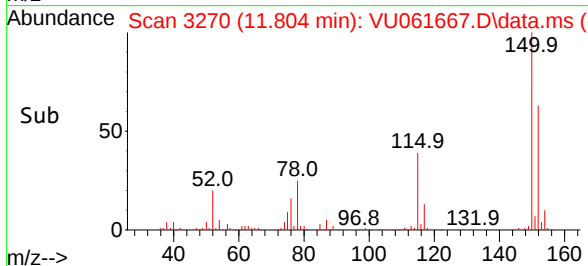
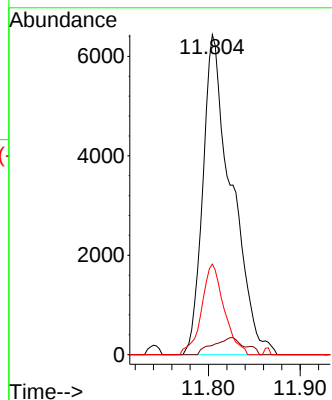
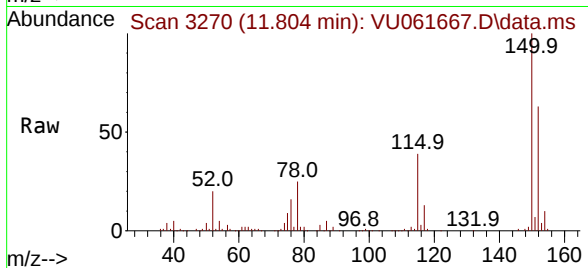
Tgt Ion: 75 Resp: 13979

Ion Ratio Lower Upper

75 100

110 5.8 31.3 46.9#

77 22.2 26.0 39.0#



#65

1,4-Dichlorobenzene

Concen: 0.548 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU061667.D

Acq: 14 Nov 2024 13:18

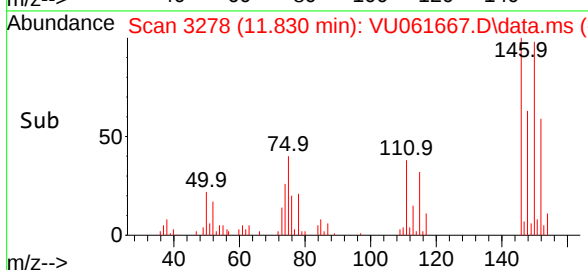
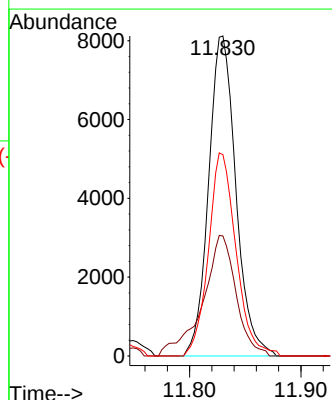
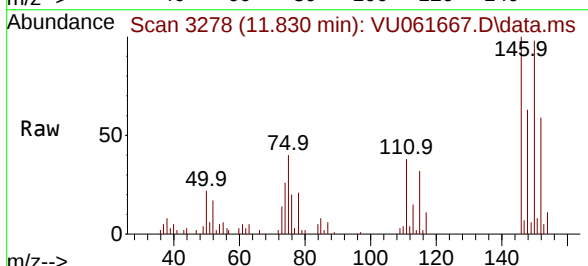
Tgt Ion:146 Resp: 13834

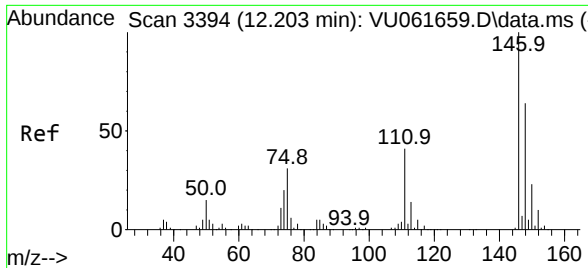
Ion Ratio Lower Upper

146 100

111 37.5 28.8 53.4

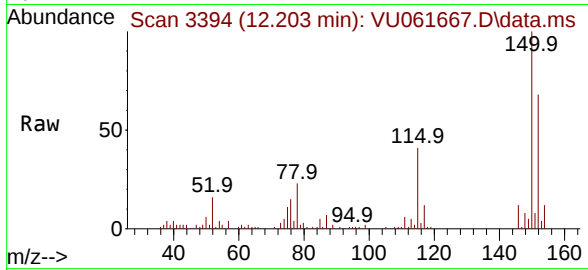
148 62.9 44.7 83.1





#67
1,2-Dichlorobenzene
Concen: 0.168 ug/L
RT: 12.203 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU061667.D
Acq: 14 Nov 2024 13:18

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	146	Resp:	3880
Ion	Ratio	Lower	Upper
146	100		
111	48.6	35.2	52.8
148	62.6	52.6	79.0

