

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020525\
 Data File : VU063167.D
 Acq On : 05 Feb 2025 18:20
 Operator : MD/SY
 Sample : Q1228-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E2993MS

Quant Time: Feb 06 07:32:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 06 07:25:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	87764	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	83614	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	40138	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22087	4.400	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.898	69	21904	4.701	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.000%
11) 1,1-Dichloroethene-d2	2.554	65	10155	4.531	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.605	46	87662	53.044	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.080%
24) Chloroform-d	5.049	84	55123	4.966	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.400%
26) 1,2-Dichloroethane-d4	5.689	65	28637	5.017	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.714	84	103987	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.676	67	34664	4.821	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.888	98	91821	4.766	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	8.171	79	13127	4.872	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.400%
46) 2-Hexanone-d5	8.618	63	69521	51.270	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.540%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	32249	5.081	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	12.184	152	32801	4.894	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	37159	4.887	ug/L	99
3) Chloromethane	1.518	50	40436	4.855	ug/L	99
5) Vinyl chloride	1.599	62	41796	4.957	ug/L	99
6) Bromomethane	1.840	94	15662	3.694	ug/L	98
8) Chloroethane	1.920	64	26092	5.137	ug/L	96
9) Trichlorofluoromethane	2.126	101	48247	5.094	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	29268	5.027	ug/L	99
12) 1,1-Dichloroethene	2.567	96	29255	5.128	ug/L	94
13) Acetone	2.612	43	55351	53.186	ug/L	98
14) Carbon disulfide	2.779	76	99900	4.987	ug/L	100
15) Methyl Acetate	2.940	43	12977	4.566	ug/L	97
16) Methylene chloride	3.030	84	34740	5.091	ug/L	99
17) Methyl tert-butyl Ether	3.348	73	80119	5.096	ug/L	100
18) trans-1,2-Dichloroethene	3.338	96	30691	5.032	ug/L	96
19) 1,1-Dichloroethane	3.853	63	62126	5.066	ug/L	98
21) 2-Butanone	4.685	43	93854	54.316	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	36100	5.305	ug/L	100
23) Bromochloromethane	4.962	128	15540	5.091	ug/L	99
25) Chloroform	5.074	83	62280	5.160	ug/L	99

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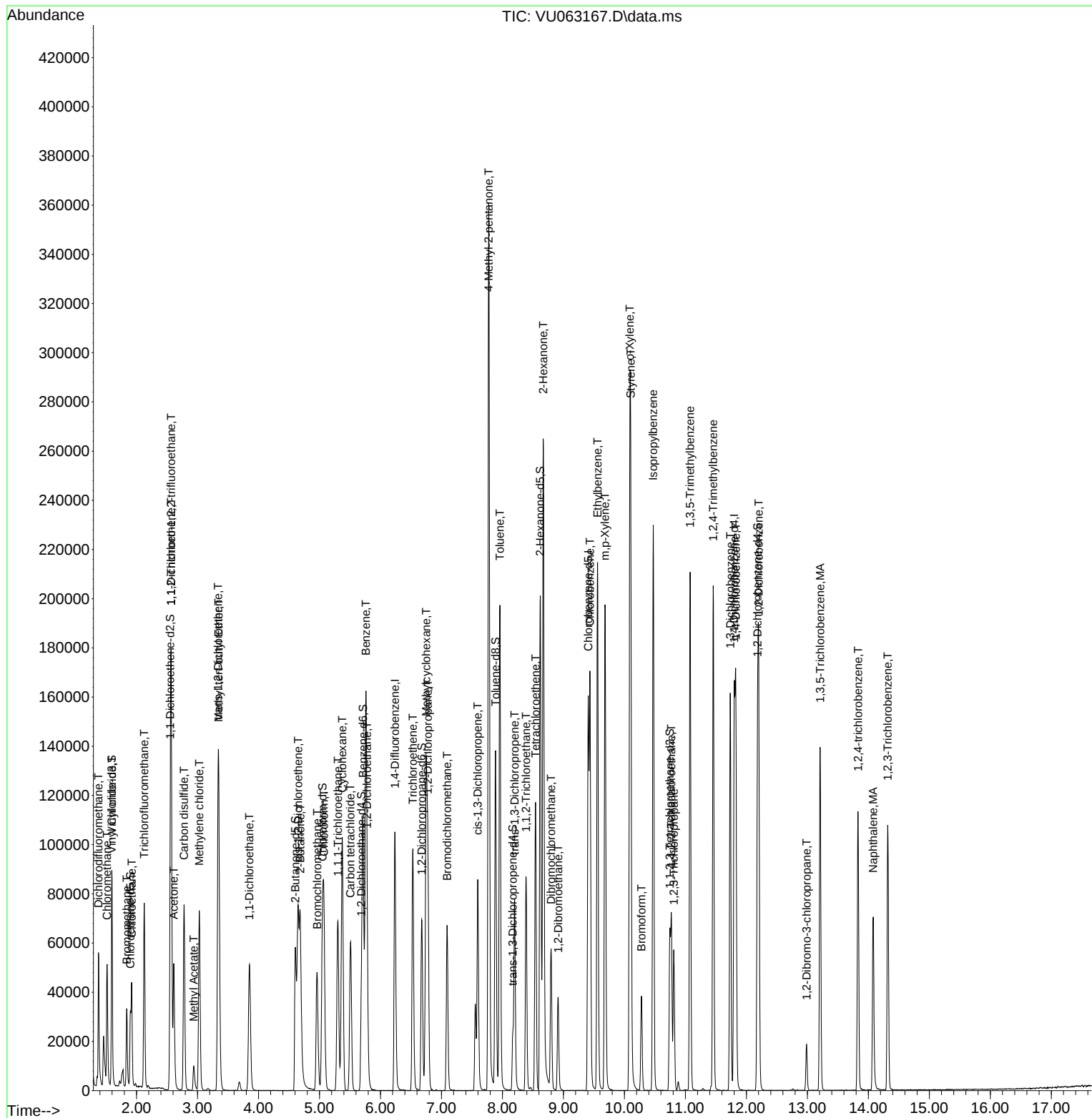
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	41133	5.172	ug/L	100
29) 1,1,1-Trichloroethane	5.303	97	50692	5.122	ug/L	99
30) Cyclohexane	5.373	56	51399	4.907	ug/L	99
31) Carbon tetrachloride	5.509	117	42474	5.086	ug/L	99
33) Benzene	5.759	78	141035	5.126	ug/L	100
34) Trichloroethene	6.531	95	35109	5.024	ug/L	97
35) Methylcyclohexane	6.750	83	49474	4.725	ug/L	98
37) 1,2-Dichloropropane	6.779	63	37878	5.162	ug/L	100
38) Bromodichloromethane	7.094	83	44511	5.051	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	51932	4.962	ug/L	100
40) 4-Methyl-2-pentanone	7.775	43	230188	53.141	ug/L	100
42) Toluene	7.959	91	147611	5.133	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	44019	5.024	ug/L	100
45) 1,1,2-Trichloroethane	8.386	97	27604	5.093	ug/L	98
47) Tetrachloroethene	8.544	164	26060	5.310	ug/L	99
48) 2-Hexanone	8.669	43	169226	55.377	ug/L	99
49) Dibromochloromethane	8.798	129	29114	5.103	ug/L	99
50) 1,2-Dibromoethane	8.914	107	26692	5.369	ug/L	93
51) Chlorobenzene	9.434	112	87970	5.067	ug/L	98
52) Ethylbenzene	9.560	91	151147	5.025	ug/L	100
53) m,p-Xylene	9.682	106	56761	5.231	ug/L	98
54) o-Xylene	10.090	106	55772	5.183	ug/L	100
55) Styrene	10.103	104	91941	5.191	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.769	83	35816	5.148	ug/L	99
59) Bromoform	10.280	173	17604	5.087	ug/L	99
60) Isopropylbenzene	10.473	105	145367	5.100	ug/L	100
61) 1,2,3-Trichloropropane	10.811	75	24860	5.132	ug/L	99
62) 1,3,5-Trimethylbenzene	11.077	105	114557	5.095	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	111731	5.168	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	64746	5.013	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	64842	4.994	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	63558	5.267	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	5277	5.446	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	44099	4.998	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	35744	5.149	ug/L	99
71) Naphthalene	14.081	128	62987	5.528	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	34210	5.515	ug/L	98

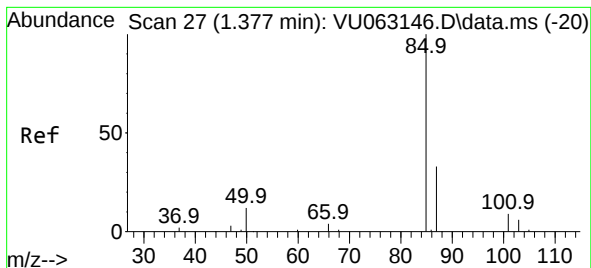
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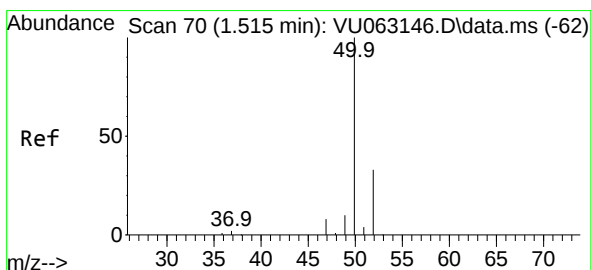
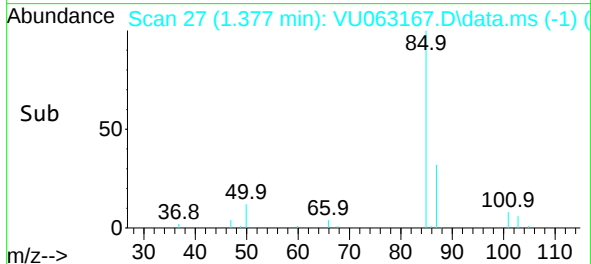
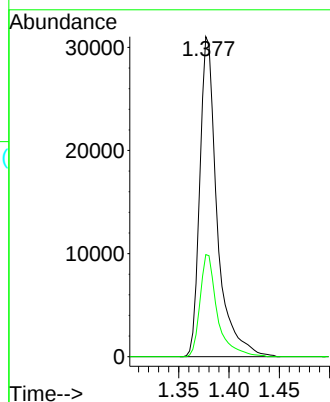
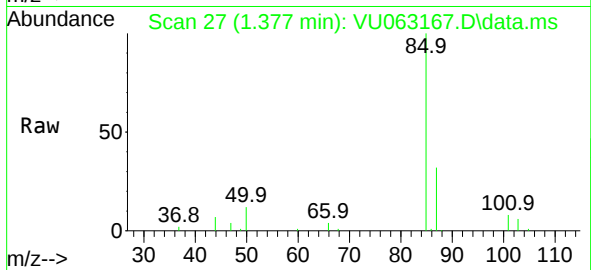




#2
Dichlorodifluoromethane
Concen: 4.887 ug/L
RT: 1.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

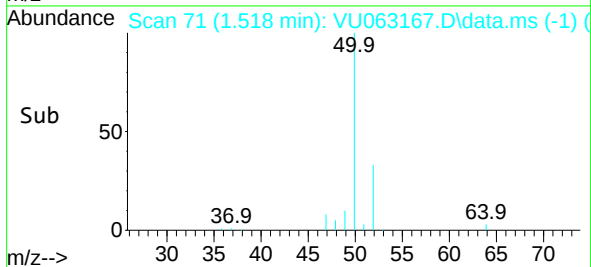
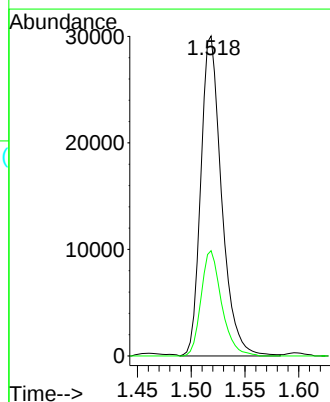
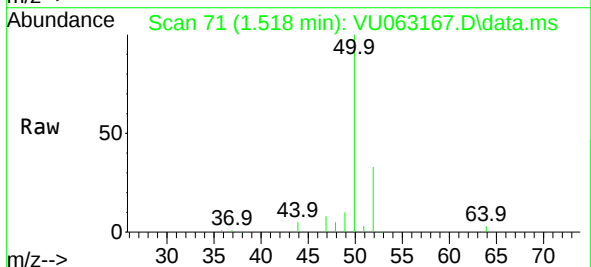
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MSVOA_U
ClientSampleId :
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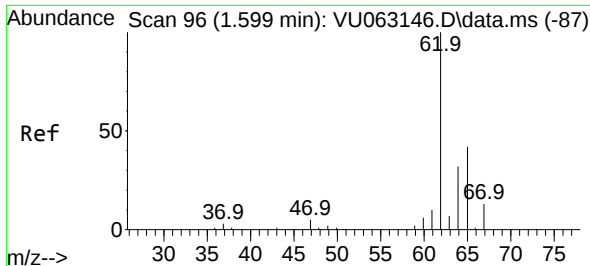
Tgt Ion: 85 Resp: 37159
Ion Ratio Lower Upper
85 100
87 31.9 25.9 38.9



#3
Chloromethane
Concen: 4.855 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 50 Resp: 40436
Ion Ratio Lower Upper
50 100
52 32.9 23.4 43.6

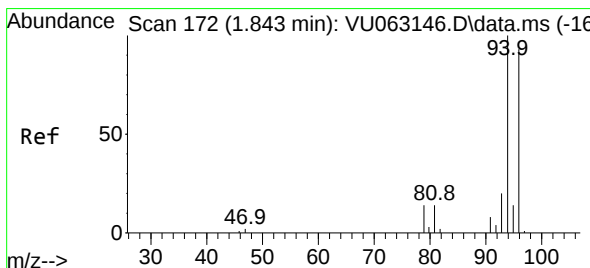
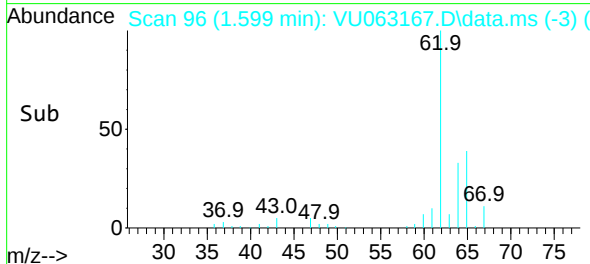
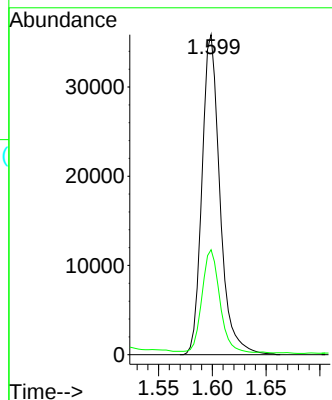
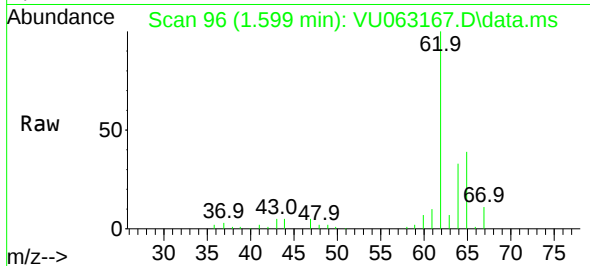




#5
 Vinyl chloride
 Concen: 4.957 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU063167.D
 Acq: 05 Feb 2025 18:20

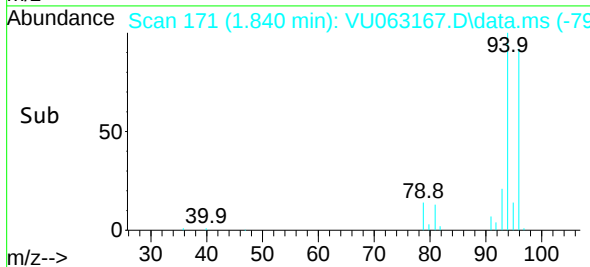
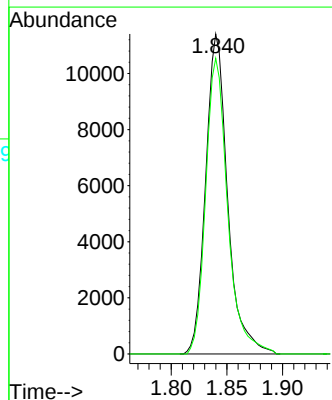
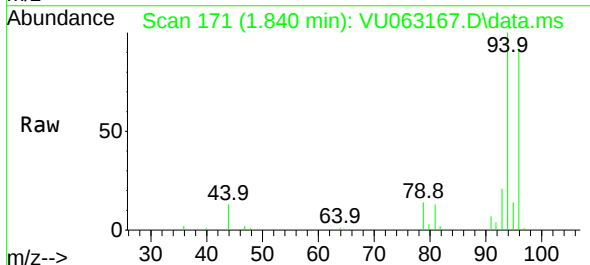
Instrument :
 MSVOA_U
 ClientSampleId :
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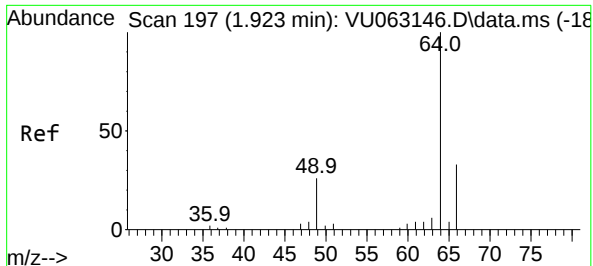
Tgt Ion: 62 Resp: 41796
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.2 43.0



#6
 Bromomethane
 Concen: 3.694 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.003 min
 Lab File: VU063167.D
 Acq: 05 Feb 2025 18:20

Tgt Ion: 94 Resp: 15662
 Ion Ratio Lower Upper
 94 100
 96 92.4 66.3 123.1





#8

Chloroethane

Concen: 5.137 ug/L

RT: 1.920 min Scan# 19

Delta R.T. -0.003 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

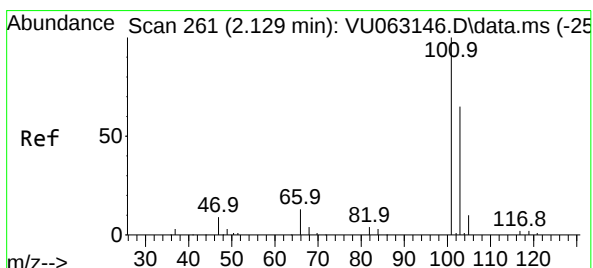
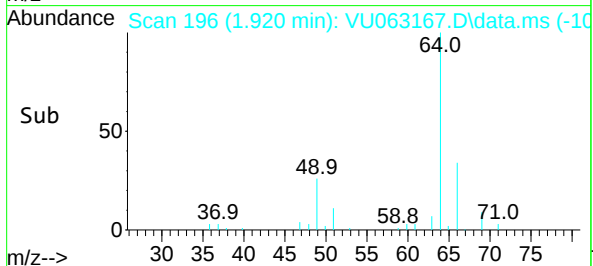
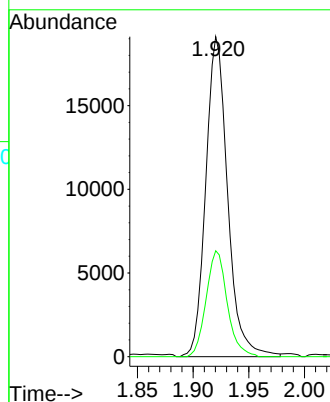
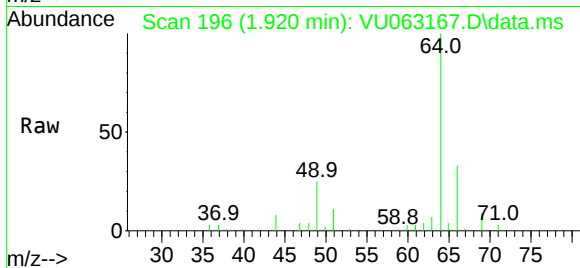
E2993MS

Tgt Ion: 64 Resp: 26092

Ion Ratio Lower Upper

64 100

66 33.1 21.7 40.3



#9

Trichlorofluoromethane

Concen: 5.094 ug/L

RT: 2.126 min Scan# 260

Delta R.T. -0.003 min

Lab File: VU063167.D

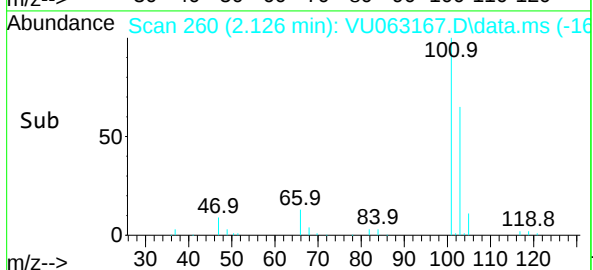
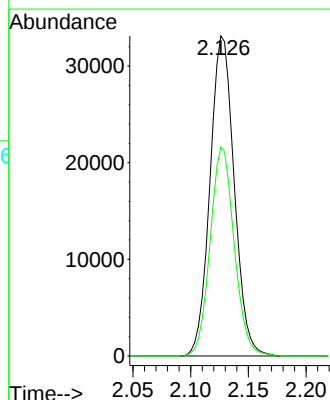
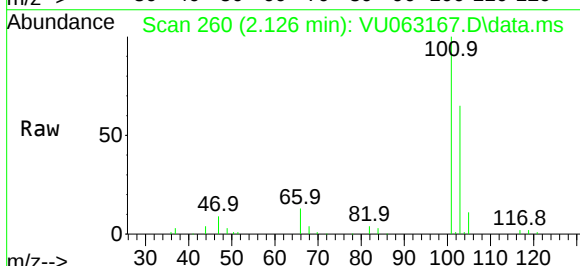
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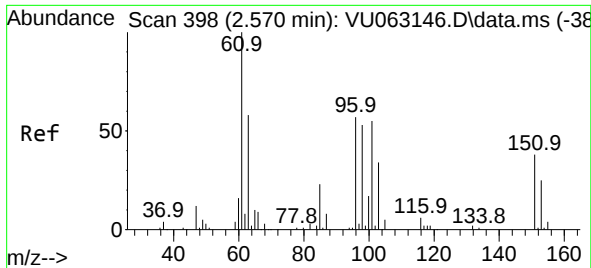
Tgt Ion:101 Resp: 48247

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8

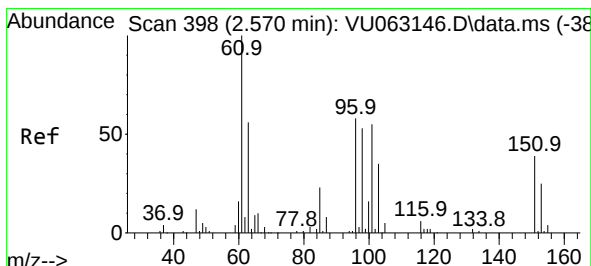
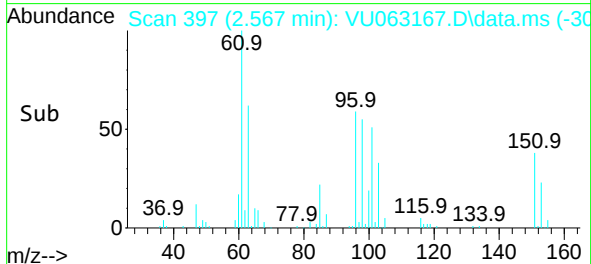
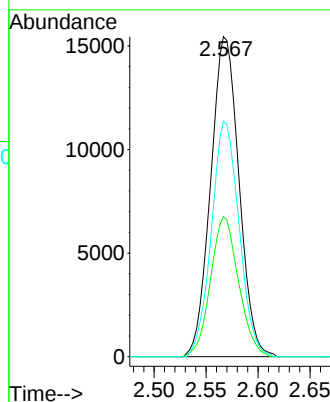
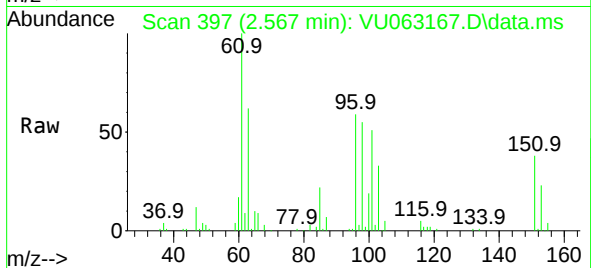




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.027 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

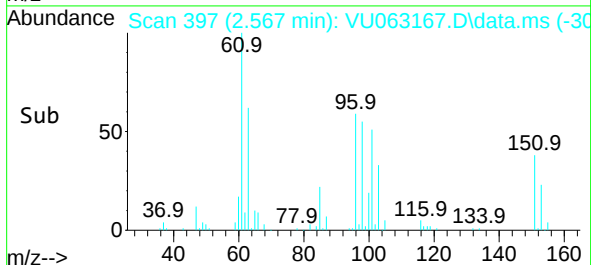
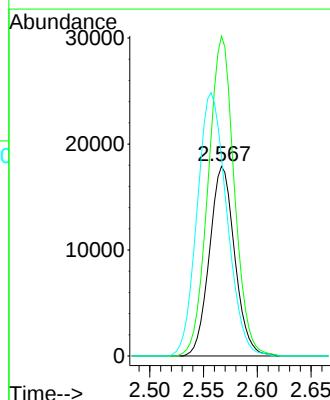
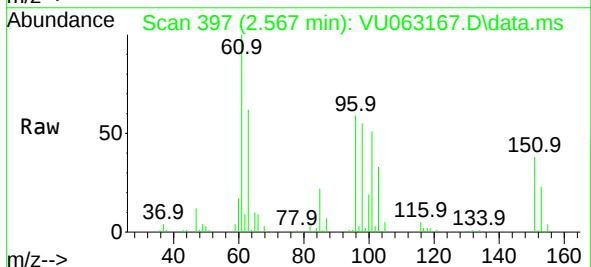
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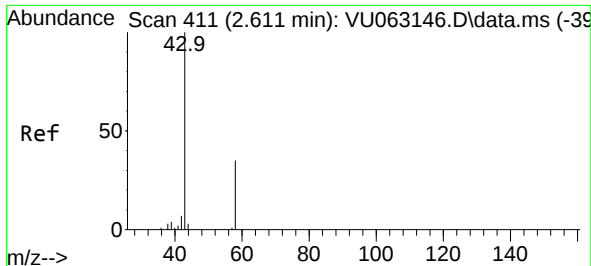
Tgt Ion:101 Resp: 29268
Ion Ratio Lower Upper
101 100
85 43.3 35.0 52.4
151 71.9 56.3 84.5



#12
1,1-Dichloroethene
Concen: 5.128 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 96 Resp: 29255
Ion Ratio Lower Upper
96 100
61 168.8 121.9 226.3
63 105.1 80.3 149.1





#13

Acetone

Concen: 53.186 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

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ClientSampleId :

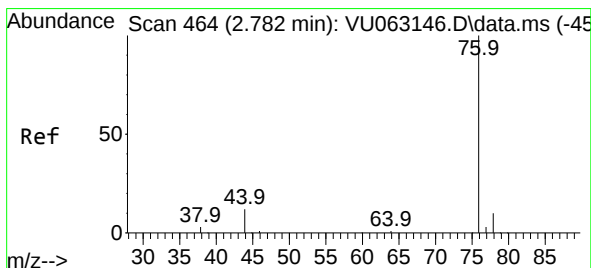
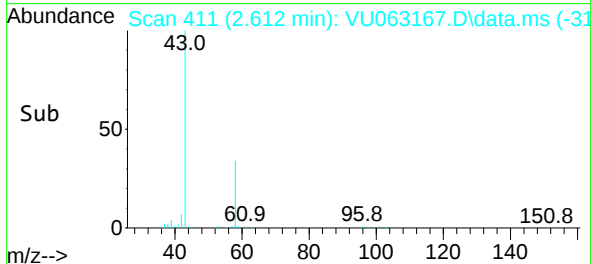
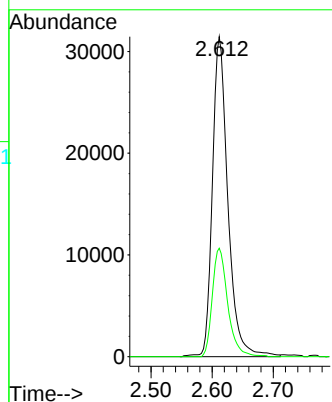
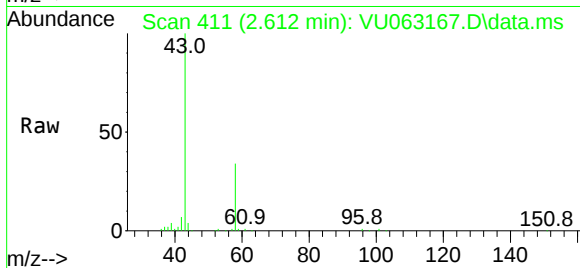
E2993MS

Tgt Ion: 43 Resp: 55351

Ion Ratio Lower Upper

43 100

58 33.8 0.0 70.2



#14

Carbon disulfide

Concen: 4.987 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.003 min

Lab File: VU063167.D

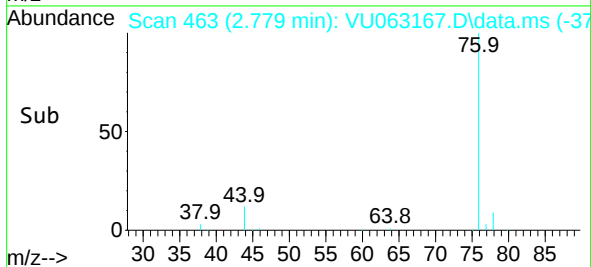
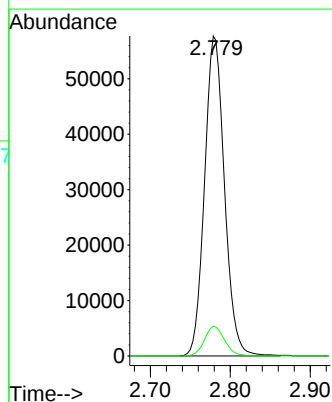
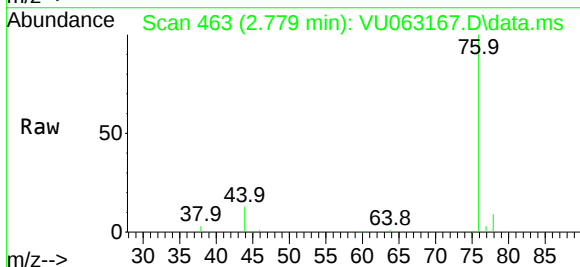
Acq: 05 Feb 2025 18:20

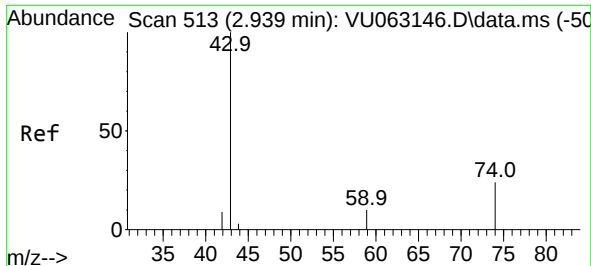
Tgt Ion: 76 Resp: 99900

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

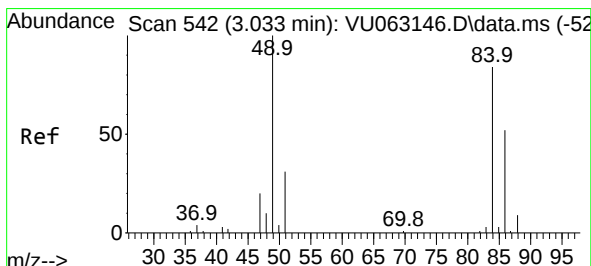
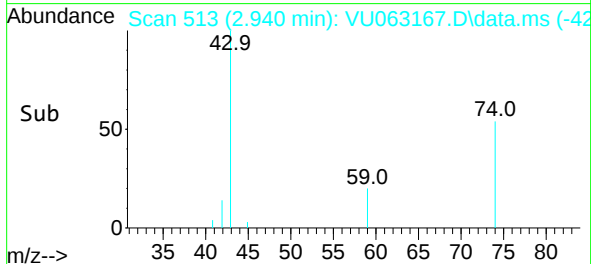
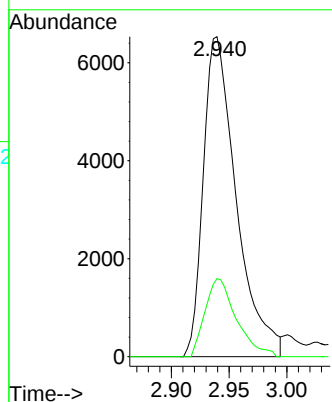
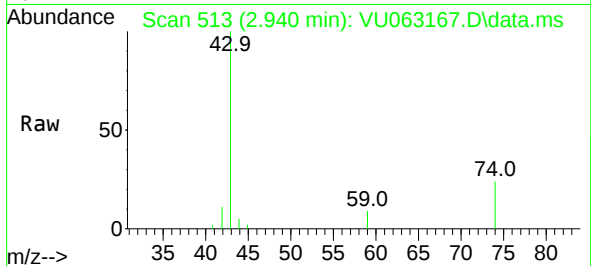




#15
Methyl Acetate
Concen: 4.566 ug/L
RT: 2.940 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

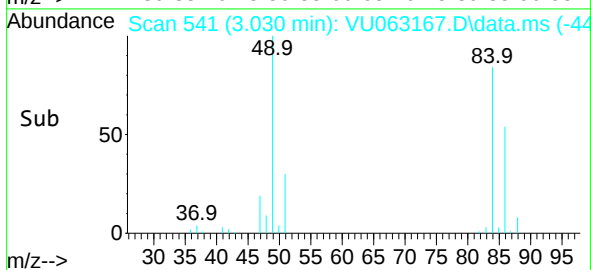
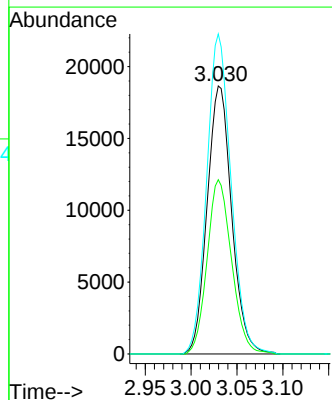
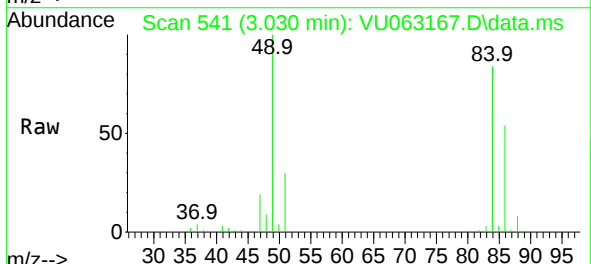
Instrument :
MSVOA_U
ClientSampleId :
E2993MS

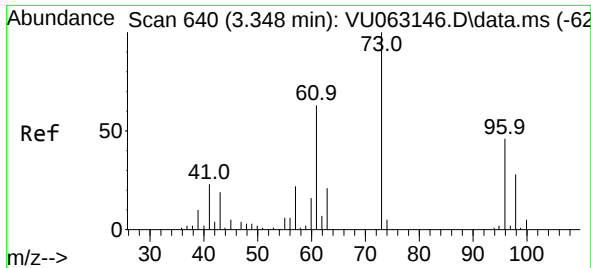
Tgt Ion: 43 Resp: 12977
Ion Ratio Lower Upper
43 100
74 23.1 19.5 29.3



#16
Methylene chloride
Concen: 5.091 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 84 Resp: 34740
Ion Ratio Lower Upper
84 100
86 65.1 45.0 83.6
49 119.4 82.4 153.0

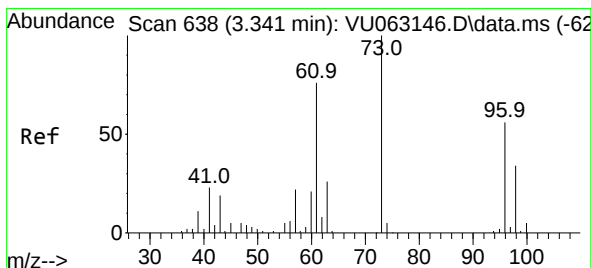
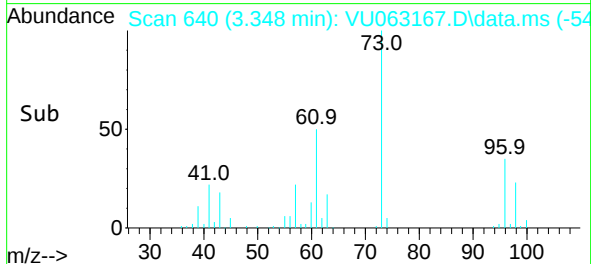
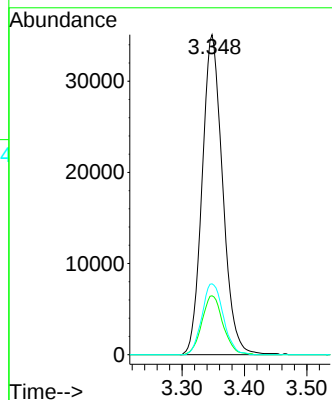
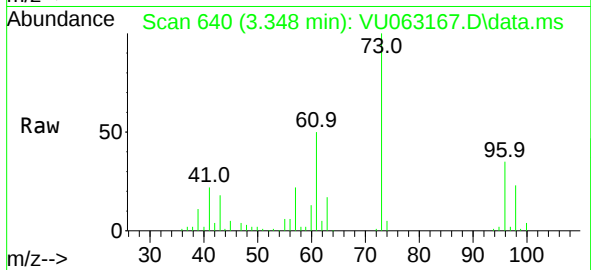




#17
Methyl tert-butyl Ether
Concen: 5.096 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

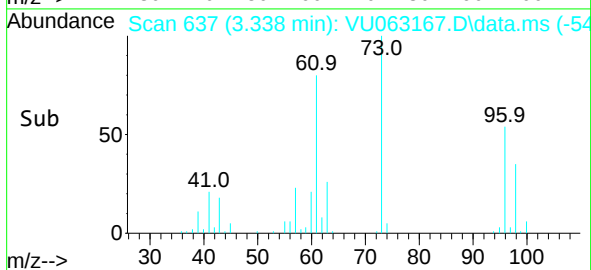
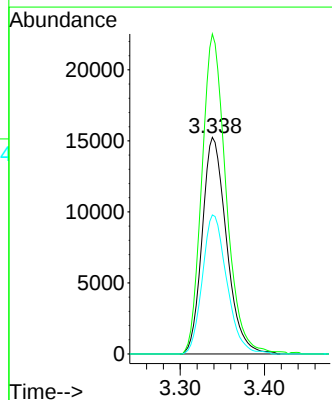
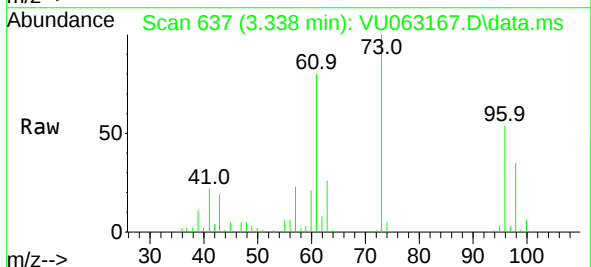
Instrument :
MSVOA_U
ClientSampleId :
E2993MS

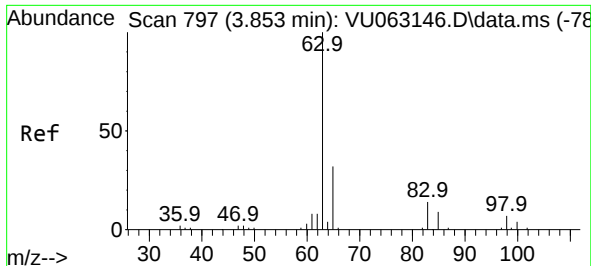
Tgt Ion: 73 Resp: 80119
Ion Ratio Lower Upper
73 100
43 19.0 15.1 22.7
57 23.1 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 5.032 ug/L
RT: 3.338 min Scan# 637
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 96 Resp: 30691
Ion Ratio Lower Upper
96 100
61 147.8 99.2 184.2
98 64.2 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.066 ug/L

RT: 3.853 min Scan# 797

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

E2993MS

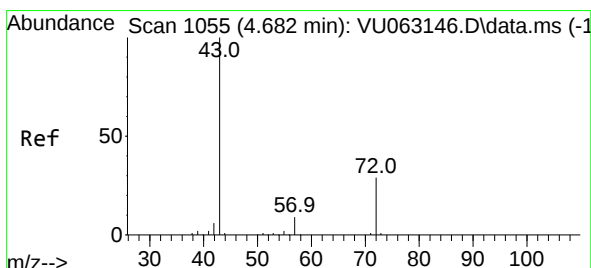
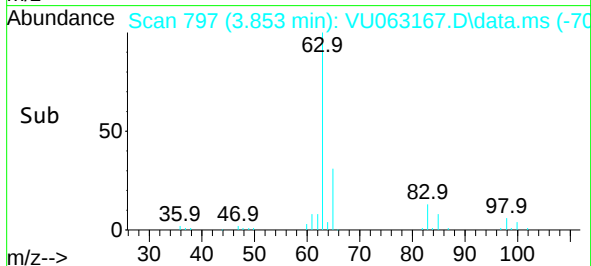
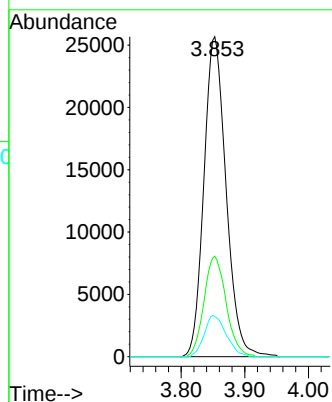
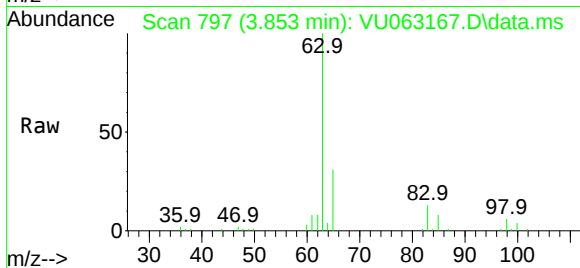
Tgt Ion: 63 Resp: 62126

Ion Ratio Lower Upper

63 100

65 31.9 23.2 43.0

83 12.6 8.7 16.1



#21

2-Butanone

Concen: 54.316 ug/L

RT: 4.685 min Scan# 1056

Delta R.T. 0.003 min

Lab File: VU063167.D

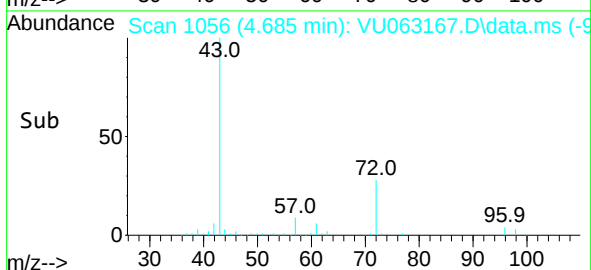
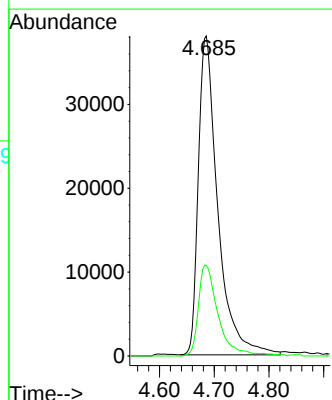
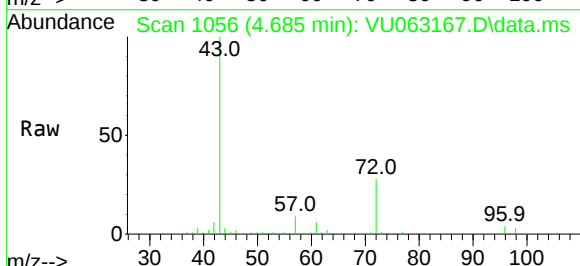
Acq: 05 Feb 2025 18:20

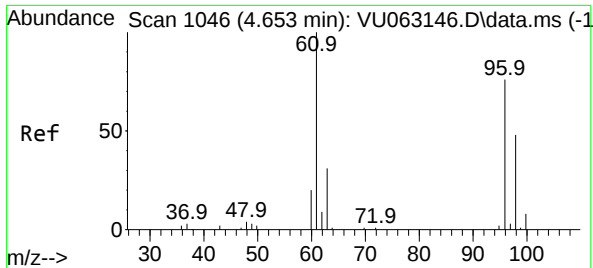
Tgt Ion: 43 Resp: 93854

Ion Ratio Lower Upper

43 100

72 28.5 13.9 41.7

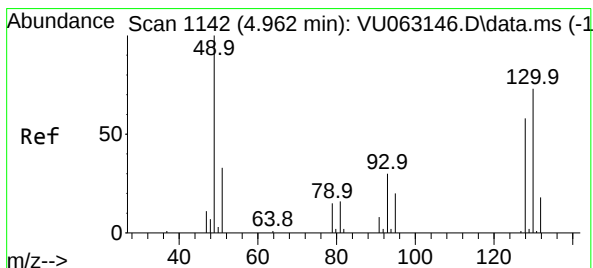
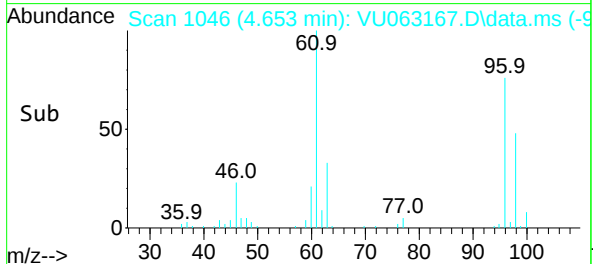
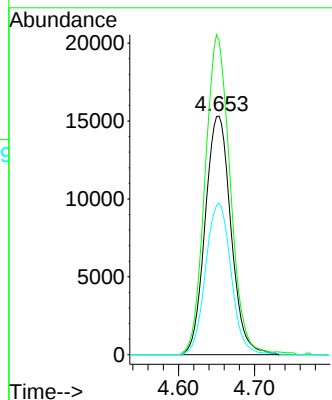
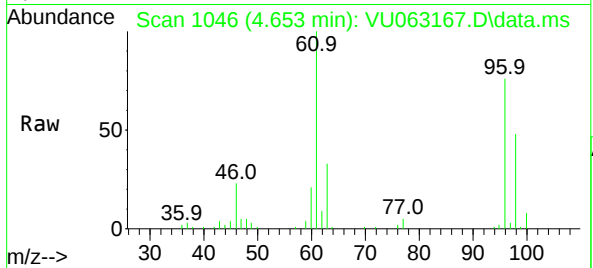




#22
 cis-1,2-Dichloroethene
 Concen: 5.305 ug/L
 RT: 4.653 min Scan# 1046
 Delta R.T. 0.000 min
 Lab File: VU063167.D
 Acq: 05 Feb 2025 18:20

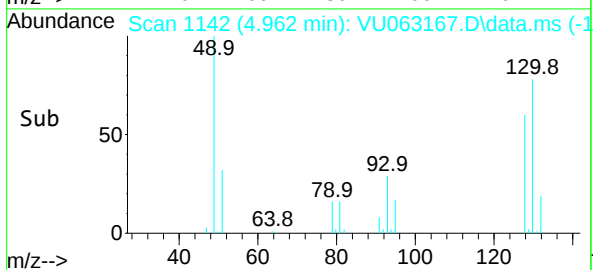
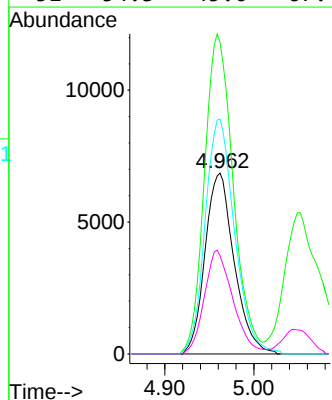
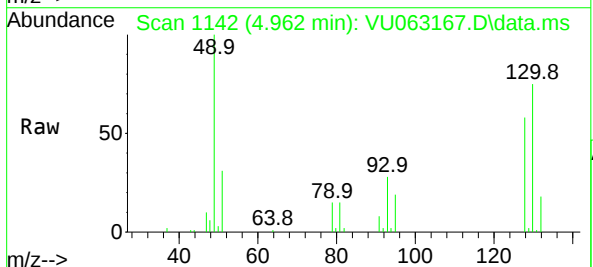
Instrument :
 MSVOA_U
 ClientSampleId :
 E2993MS

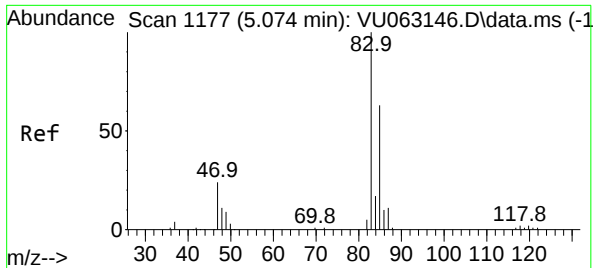
Tgt Ion:	96	Resp:	36100
Ion	Ratio	Lower	Upper
96	100		
61	131.7	91.8	170.6
98	63.5	44.4	82.4



#23
 Bromochloromethane
 Concen: 5.091 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VU063167.D
 Acq: 05 Feb 2025 18:20

Tgt Ion:	128	Resp:	15540
Ion	Ratio	Lower	Upper
128	100		
49	172.4	121.2	225.2
130	129.8	89.2	165.6
51	54.3	45.0	67.4





#25

Chloroform

Concen: 5.160 ug/L

RT: 5.074 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

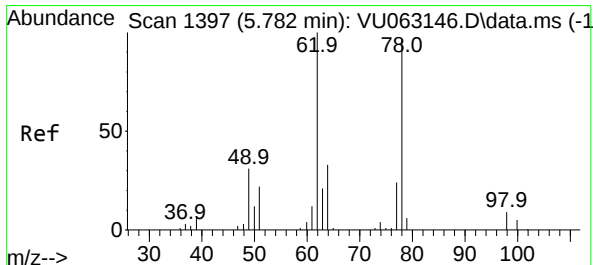
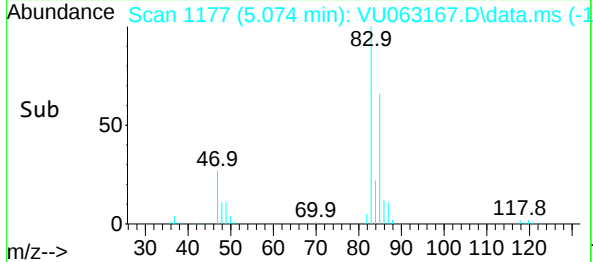
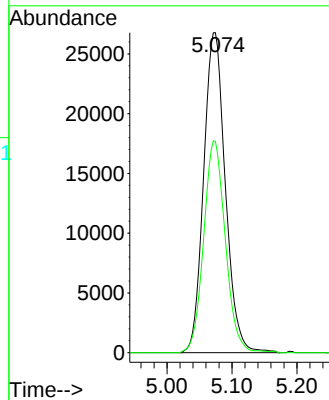
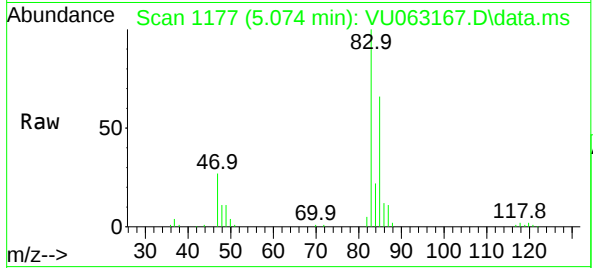
E2993MS

Tgt Ion: 83 Resp: 62280

Ion Ratio Lower Upper

83 100

85 66.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 5.172 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VU063167.D

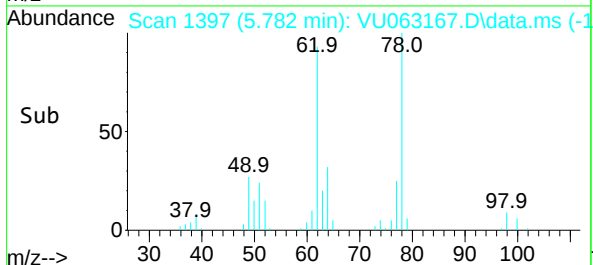
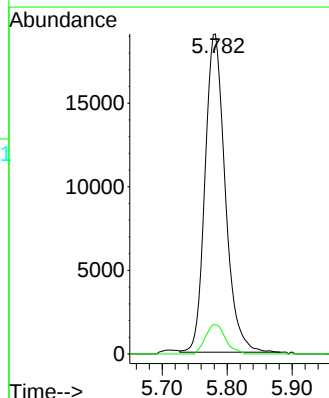
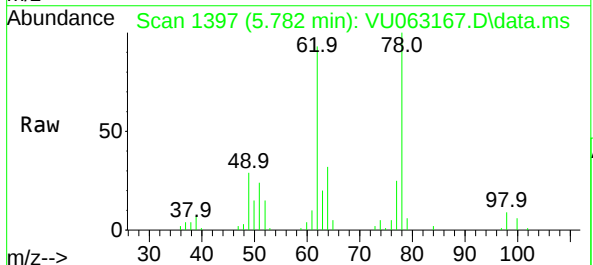
Acq: 05 Feb 2025 18:20

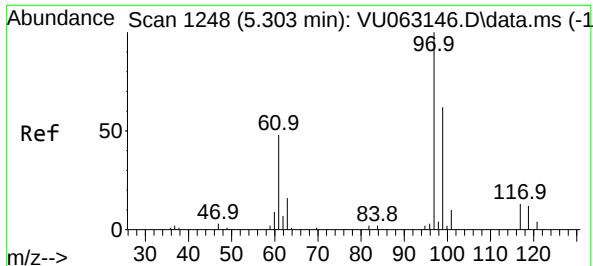
Tgt Ion: 62 Resp: 41133

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8

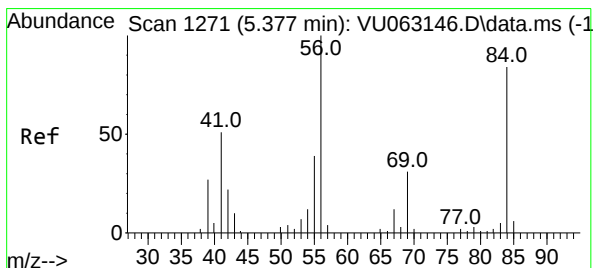
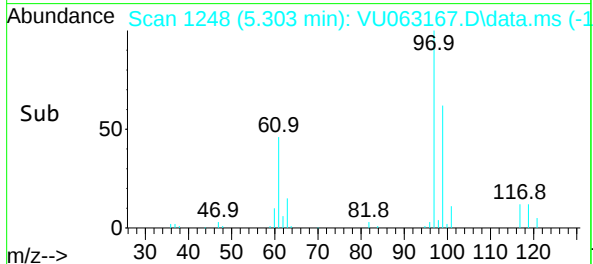
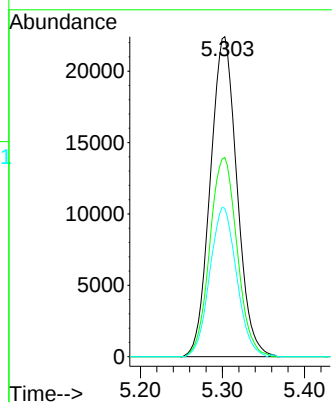
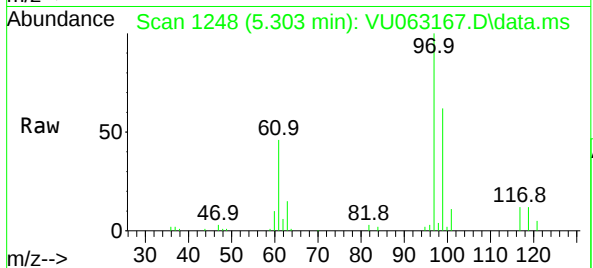




#29
1,1,1-Trichloroethane
Concen: 5.122 ug/L
RT: 5.303 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

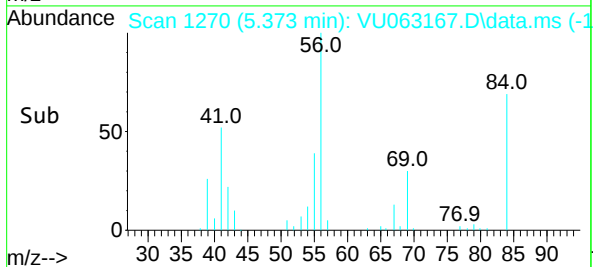
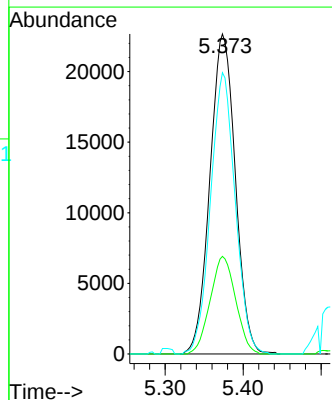
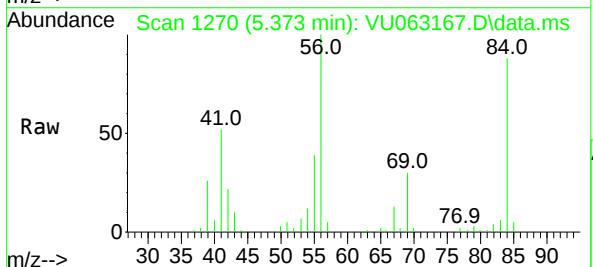
Instrument :
MSVOA_U
ClientSampleId :
E2993MS

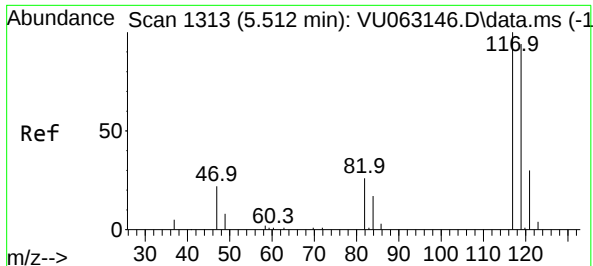
Tgt Ion:	97	Resp:	50692
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.5	77.3
61	46.9	38.5	57.7



#30
Cyclohexane
Concen: 4.907 ug/L
RT: 5.373 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion:	56	Resp:	51399
Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.6	37.0
84	85.4	67.9	101.9

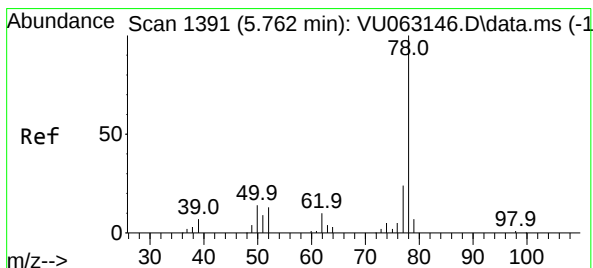
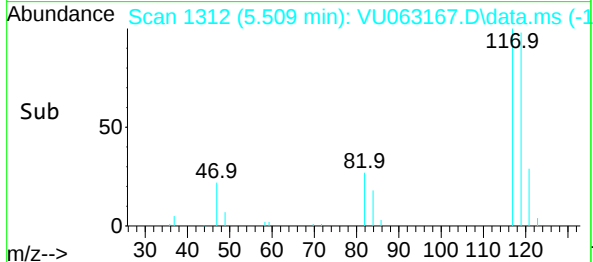
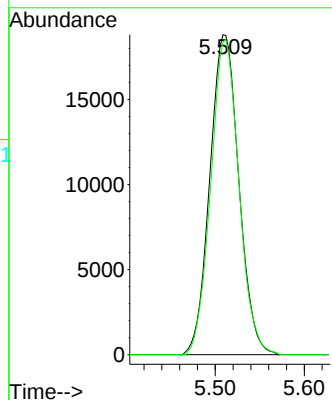
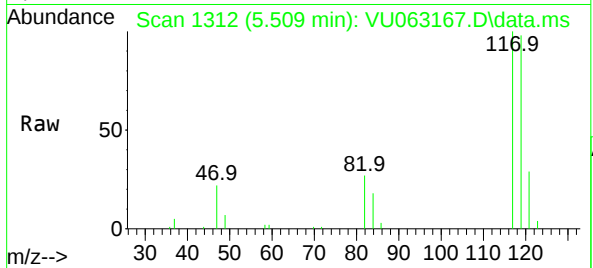




#31
Carbon tetrachloride
Concen: 5.086 ug/L
RT: 5.509 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

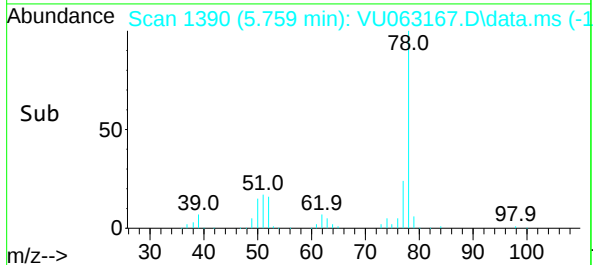
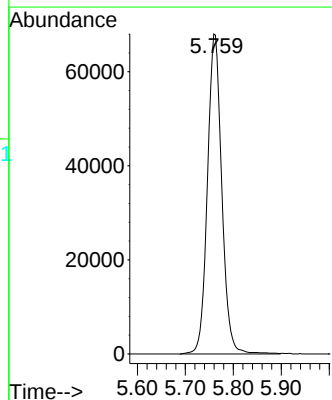
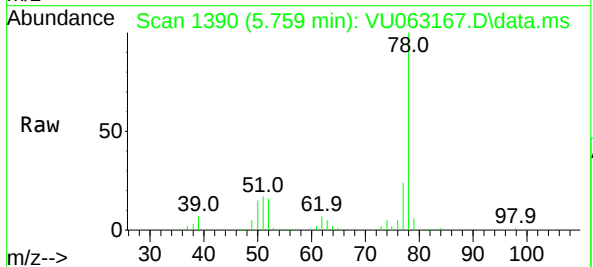
Instrument :
MSVOA_U
ClientSampleId :
E2993MS

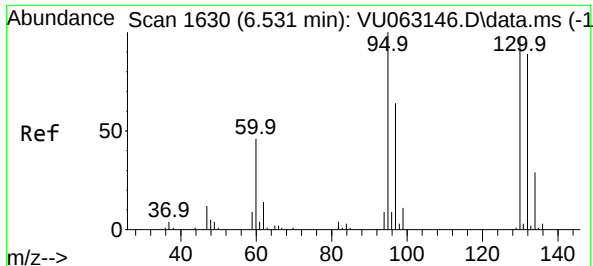
Tgt Ion:117 Resp: 42474
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.4



#33
Benzene
Concen: 5.126 ug/L
RT: 5.759 min Scan# 1390
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 78 Resp: 141035

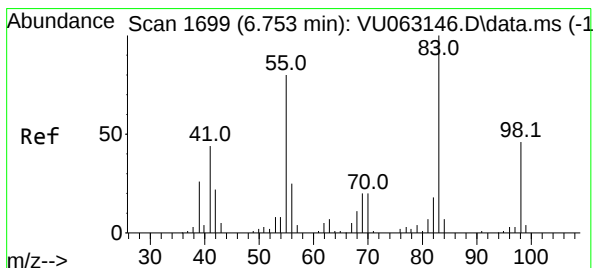
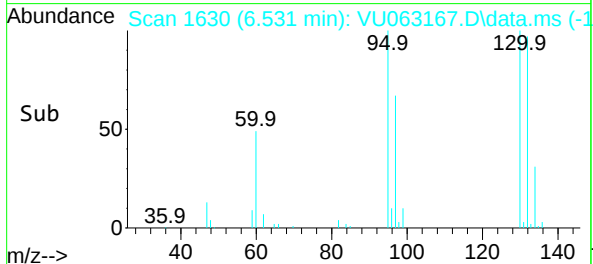
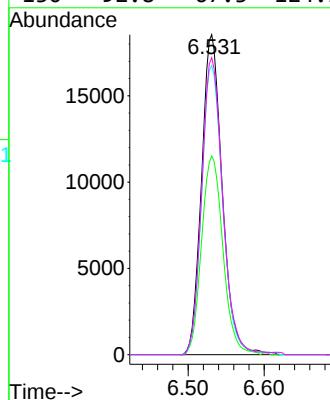
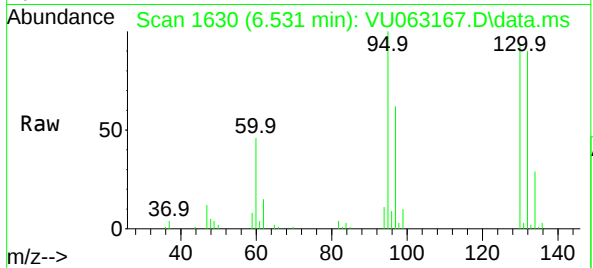




#34
Trichloroethene
Concen: 5.024 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

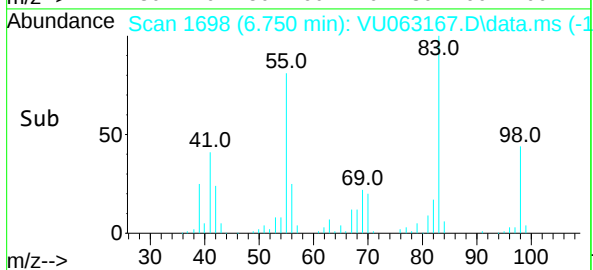
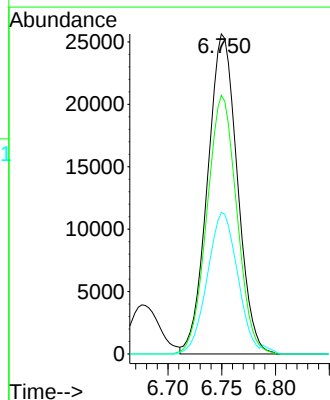
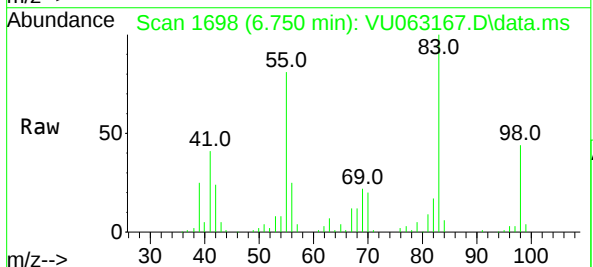
Instrument :
MSVOA_U
ClientSampleId :
E2993MS

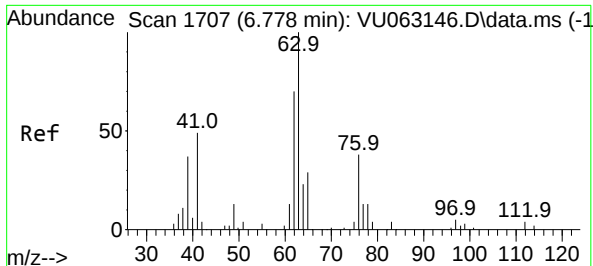
Tgt Ion: 95 Resp: 35109
Ion Ratio Lower Upper
95 100
97 62.0 46.7 86.7
132 90.3 62.4 115.8
130 92.8 67.3 124.9



#35
Methylcyclohexane
Concen: 4.725 ug/L
RT: 6.750 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 83 Resp: 49474
Ion Ratio Lower Upper
83 100
55 80.8 62.8 94.2
98 44.8 36.0 54.0

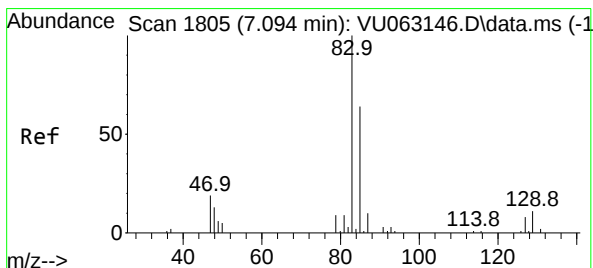
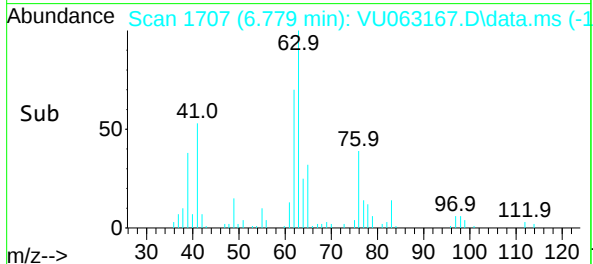
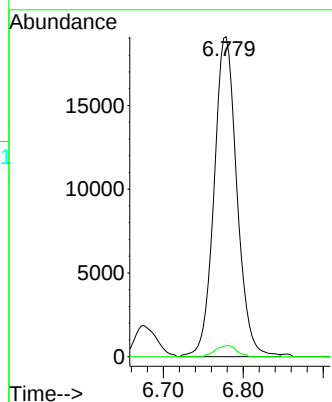
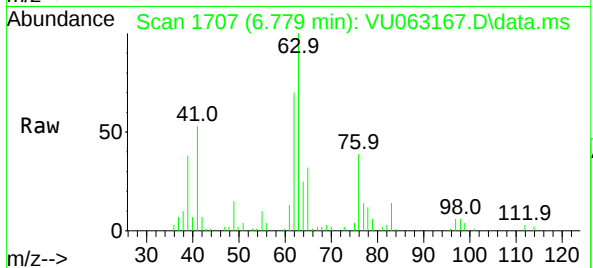




#37
1,2-Dichloropropane
Concen: 5.162 ug/L
RT: 6.779 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

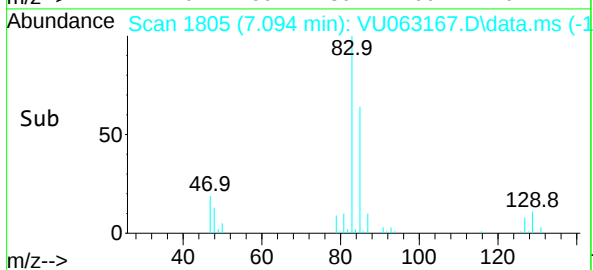
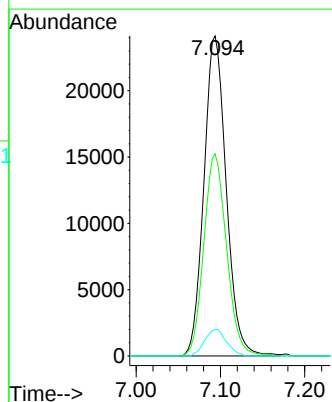
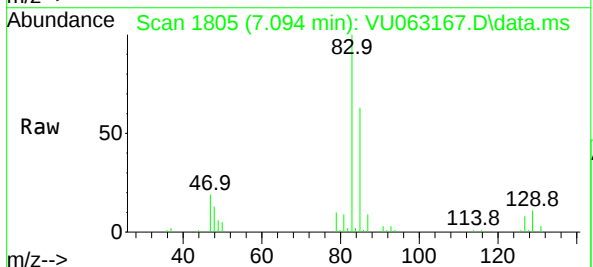
Instrument :
MSVOA_U
ClientSampleId :
E2993MS

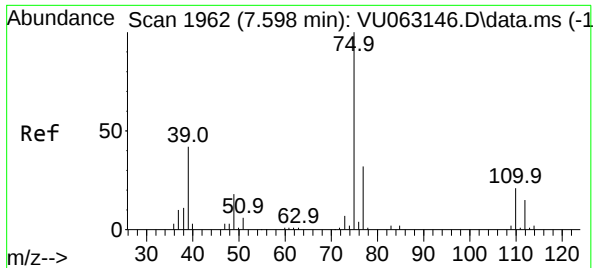
Tgt Ion: 63 Resp: 37878
Ion Ratio Lower Upper
63 100
112 3.2 2.6 4.0



#38
Bromodichloromethane
Concen: 5.051 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 83 Resp: 44511
Ion Ratio Lower Upper
83 100
85 63.1 44.0 81.8
127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.962 ug/L

RT: 7.595 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

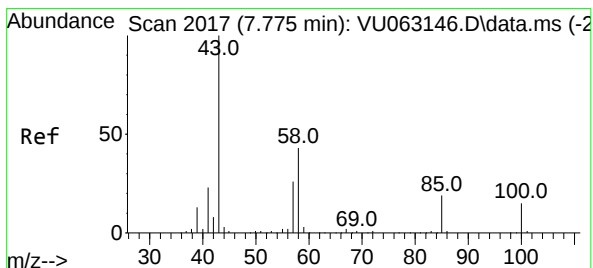
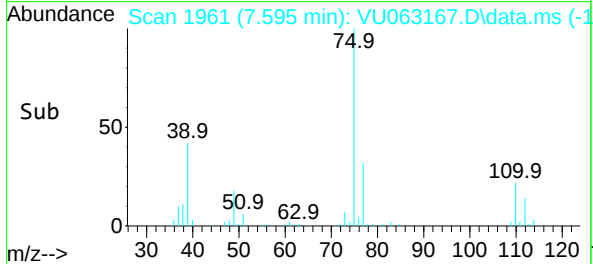
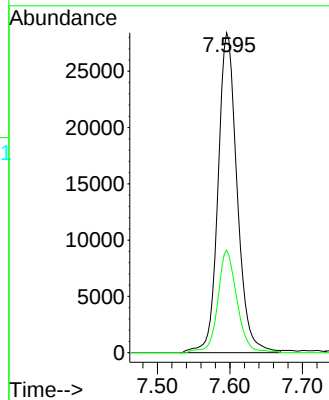
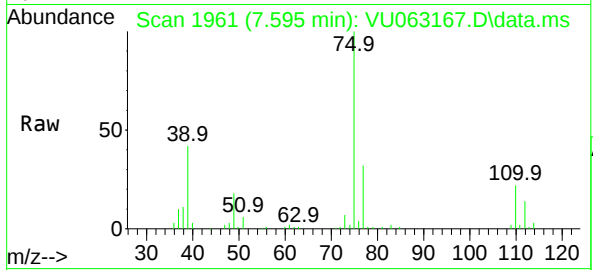
E2993MS

Tgt Ion: 75 Resp: 51932

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 53.141 ug/L

RT: 7.775 min Scan# 2017

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

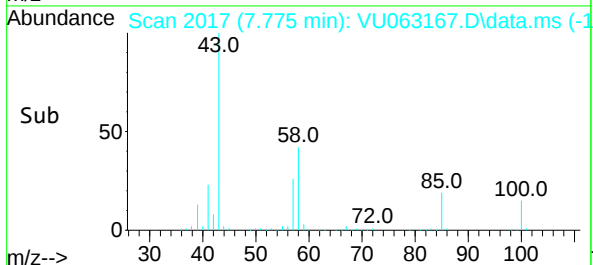
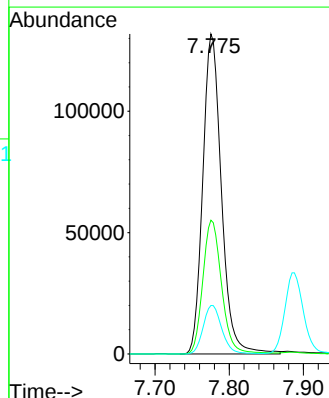
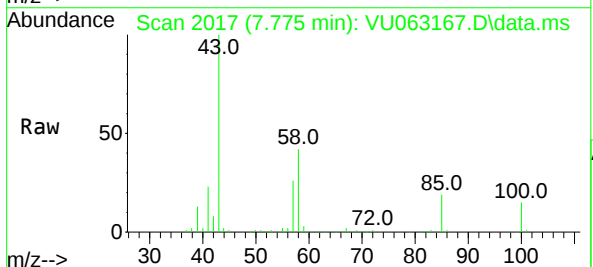
Tgt Ion: 43 Resp: 230188

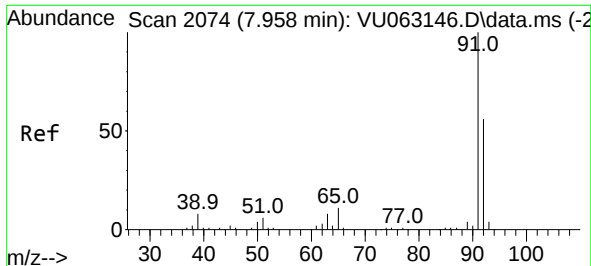
Ion Ratio Lower Upper

43 100

58 42.2 33.7 50.5

100 15.2 12.1 18.1





#42

Toluene

Concen: 5.133 ug/L

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

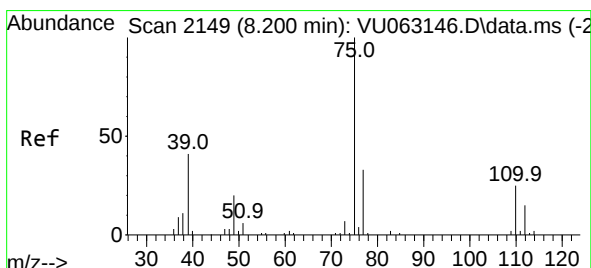
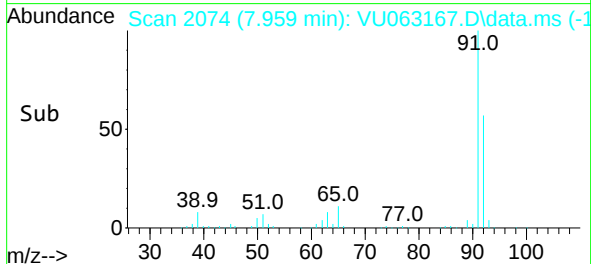
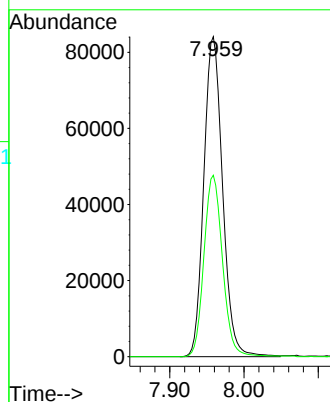
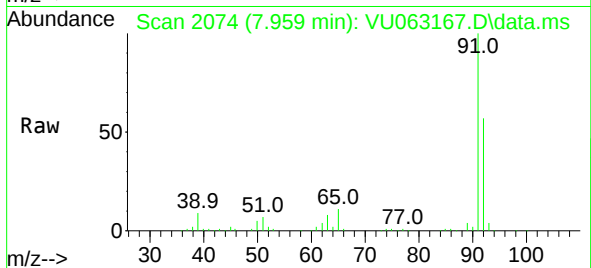
E2993MS

Tgt Ion: 91 Resp: 147611

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.024 ug/L

RT: 8.200 min Scan# 2149

Delta R.T. 0.000 min

Lab File: VU063167.D

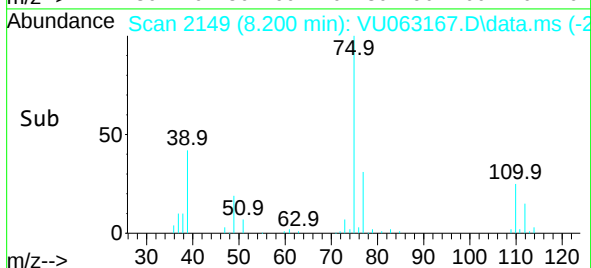
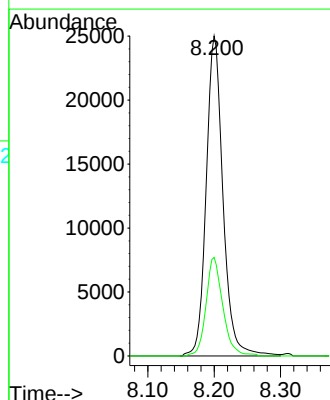
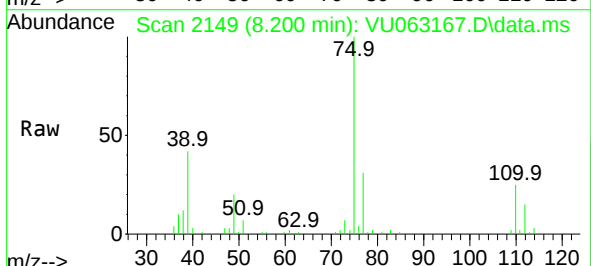
Acq: 05 Feb 2025 18:20

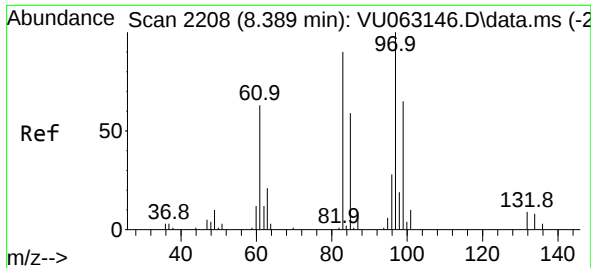
Tgt Ion: 75 Resp: 44019

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0



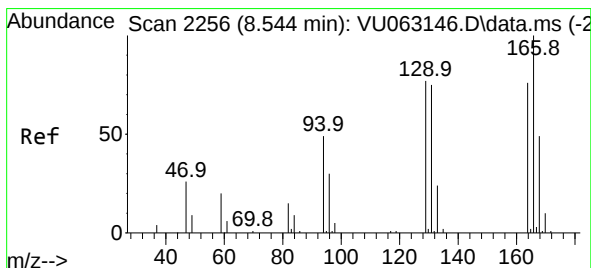
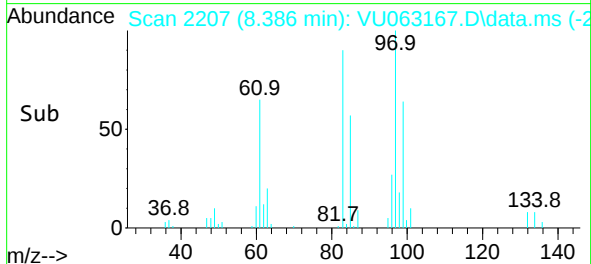
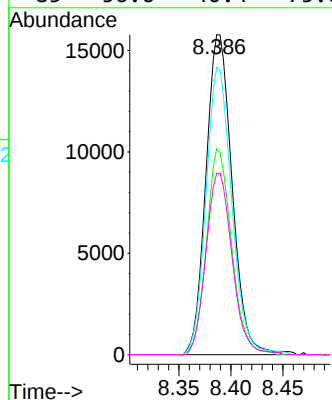
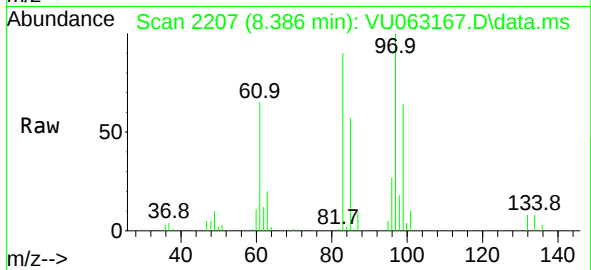


#45
1,1,2-Trichloroethane
Concen: 5.093 ug/L
RT: 8.386 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Instrument :
MSVOA_U
ClientSampleId :
E2993MS

Tgt Ion: 97 Resp: 27604

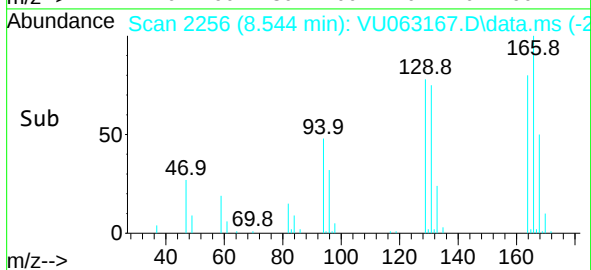
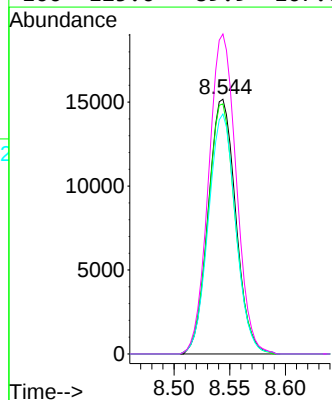
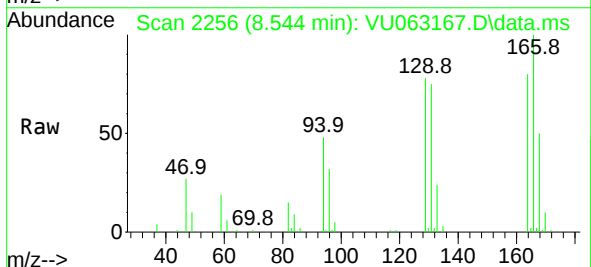
Ion	Ratio	Lower	Upper
97	100		
99	64.3	42.2	78.4
83	89.8	62.9	116.9
85	56.6	40.4	75.0

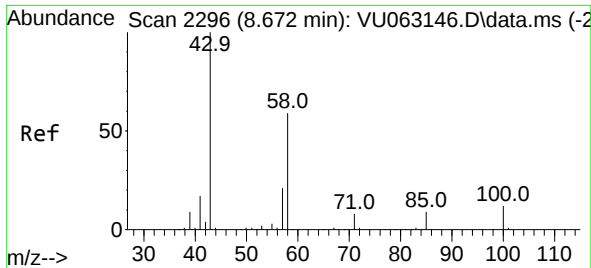


#47
Tetrachloroethene
Concen: 5.310 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 164 Resp: 26060

Ion	Ratio	Lower	Upper
164	100		
129	98.2	68.6	127.4
131	94.2	66.5	123.5
166	125.6	89.9	167.0

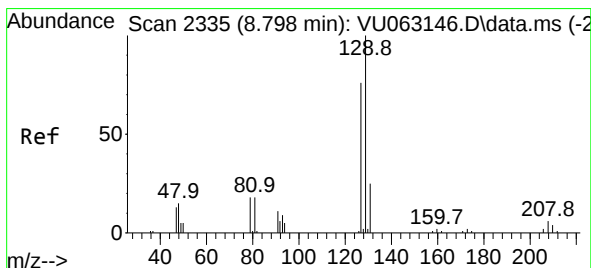
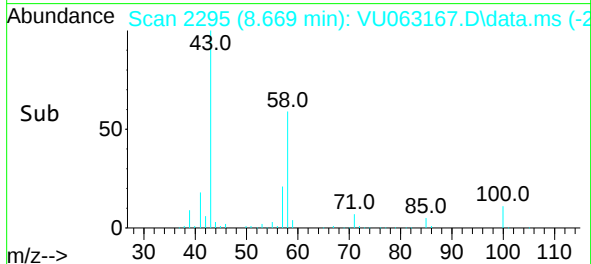
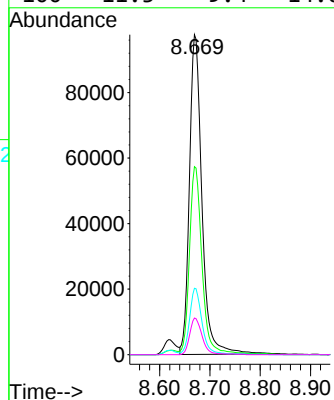
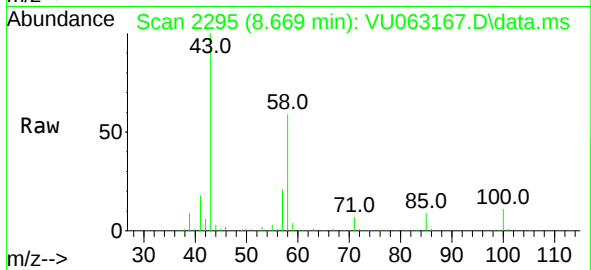




#48
2-Hexanone
Concen: 55.377 ug/L
RT: 8.669 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

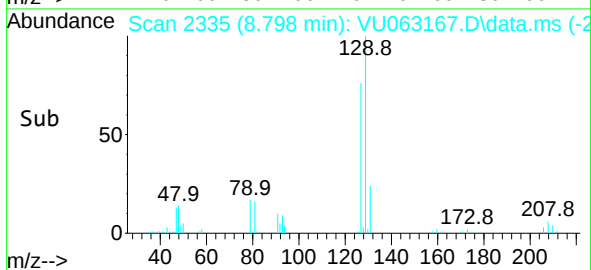
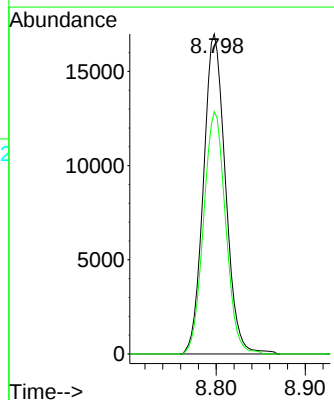
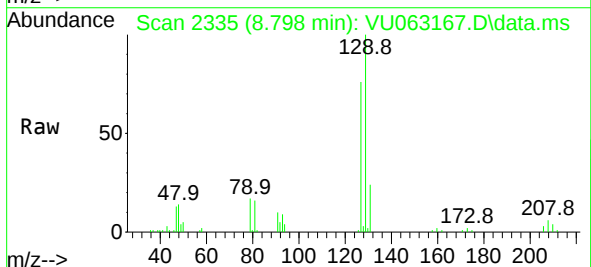
Instrument :
MSVOA_U
ClientSampleId :
E2993MS

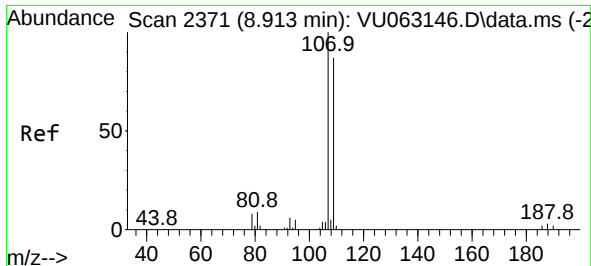
Tgt Ion: 43 Resp: 169226
Ion Ratio Lower Upper
43 100
58 56.9 45.8 68.8
57 19.9 15.7 23.5
100 11.3 9.4 14.0



#49
Dibromochloromethane
Concen: 5.103 ug/L
RT: 8.798 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion:129 Resp: 29114
Ion Ratio Lower Upper
129 100
127 75.7 53.8 99.8





#50

1,2-Dibromoethane

Concen: 5.369 ug/L

RT: 8.914 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

E2993MS

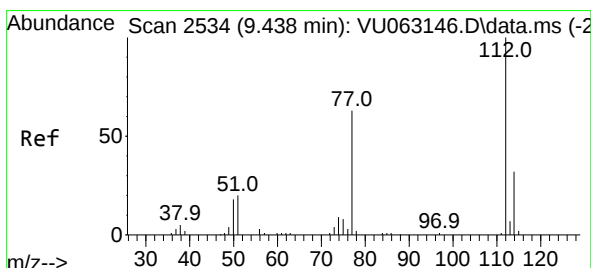
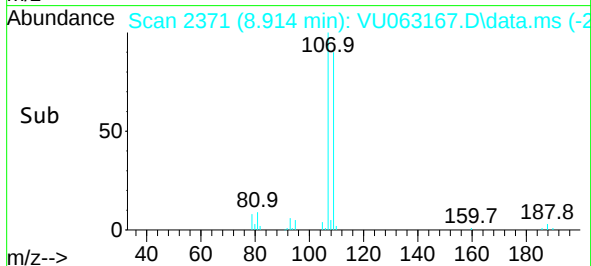
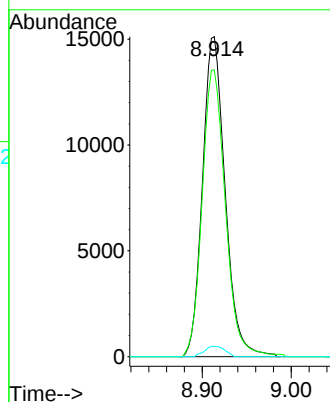
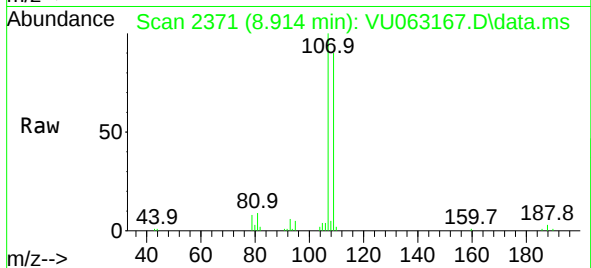
Tgt Ion:107 Resp: 26692

Ion Ratio Lower Upper

107 100

109 89.6 67.6 125.6

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 5.067 ug/L

RT: 9.434 min Scan# 2533

Delta R.T. -0.003 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

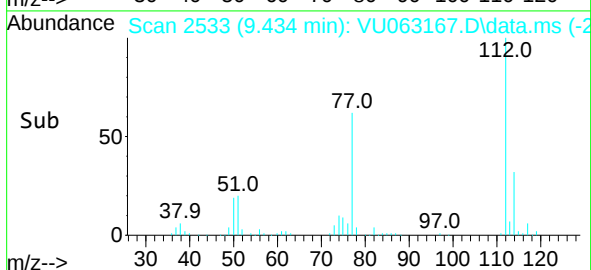
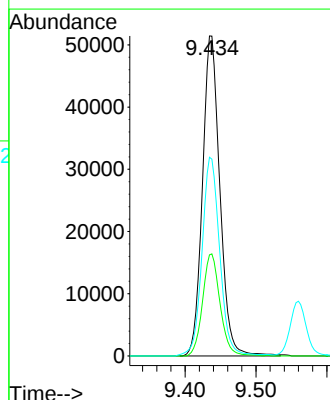
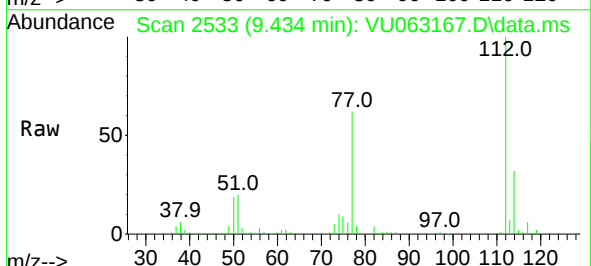
Tgt Ion:112 Resp: 87970

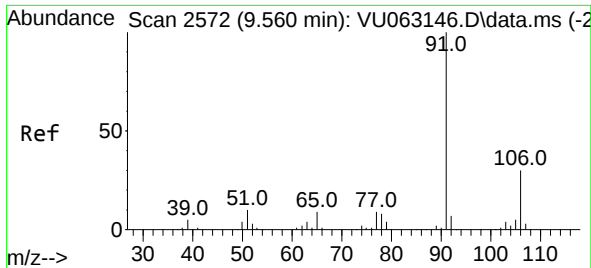
Ion Ratio Lower Upper

112 100

114 31.6 22.6 42.0

77 62.1 50.8 76.2

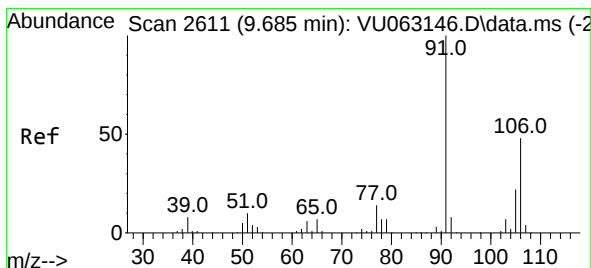
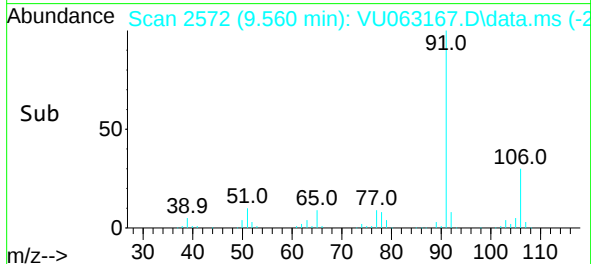
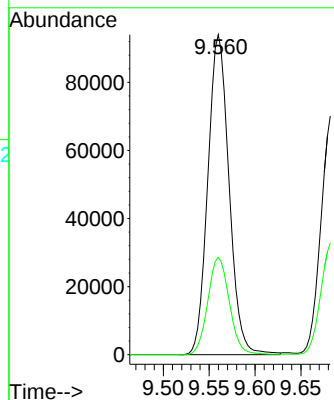
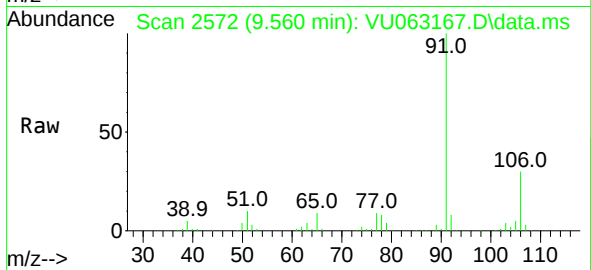




#52
Ethylbenzene
Concen: 5.025 ug/L
RT: 9.560 min Scan# 210
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

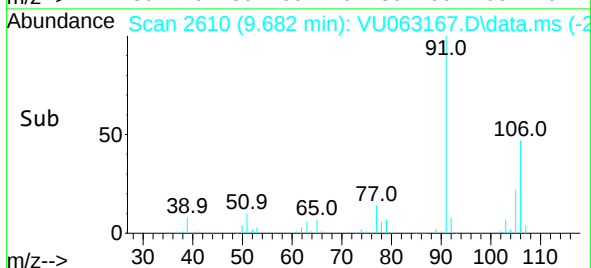
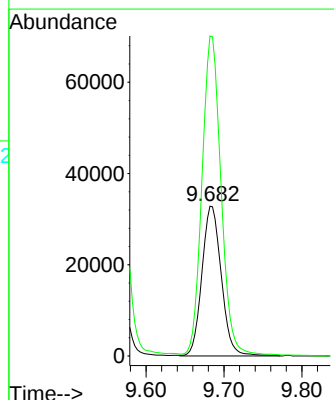
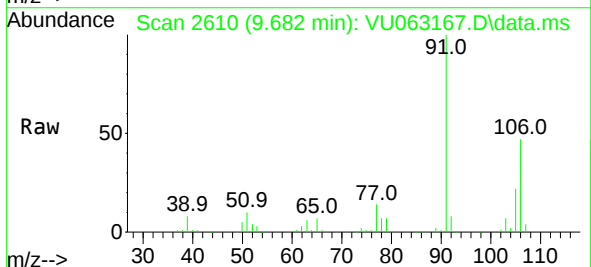
Instrument :
MSVOA_U
ClientSampleId :
E2993MS

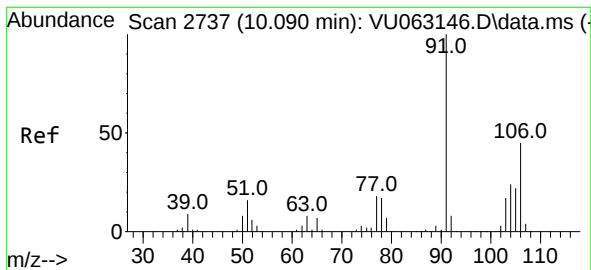
Tgt Ion: 91 Resp: 151147
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.6



#53
m,p-Xylene
Concen: 5.231 ug/L
RT: 9.682 min Scan# 2610
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 106 Resp: 56761
Ion Ratio Lower Upper
106 100
91 213.7 147.3 273.6





#54

o-Xylene

Concen: 5.183 ug/L

RT: 10.090 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

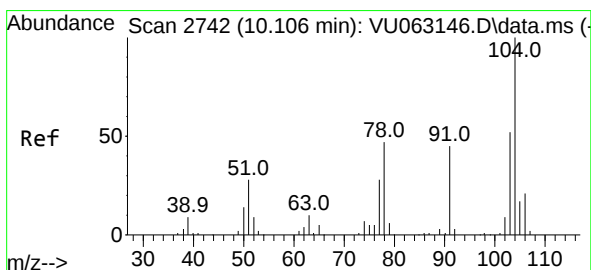
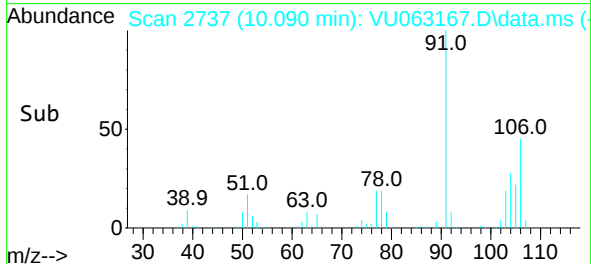
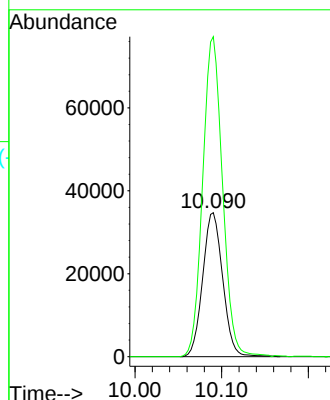
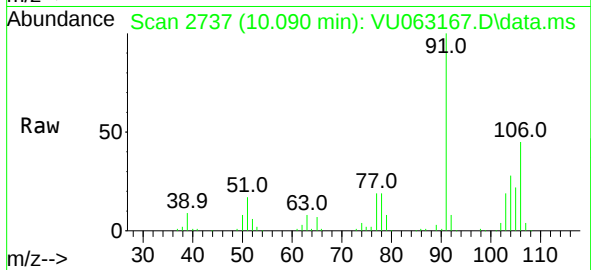
E2993MS

Tgt Ion:106 Resp: 55772

Ion Ratio Lower Upper

106 100

91 222.2 155.4 288.6



#55

Styrene

Concen: 5.191 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. -0.003 min

Lab File: VU063167.D

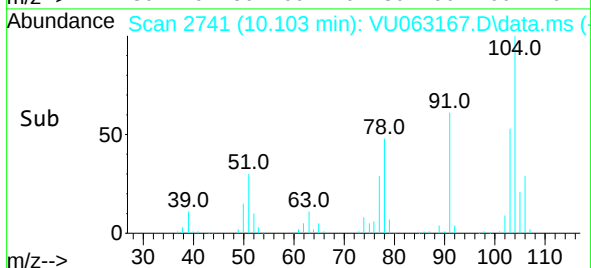
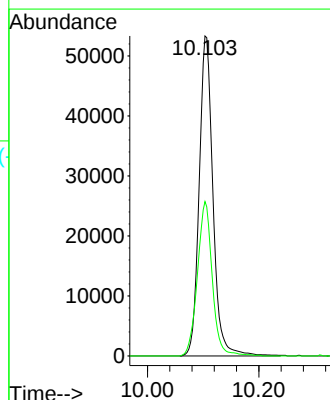
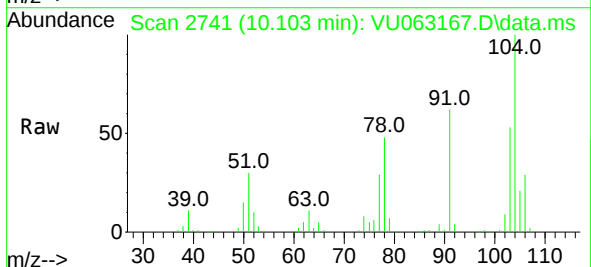
Acq: 05 Feb 2025 18:20

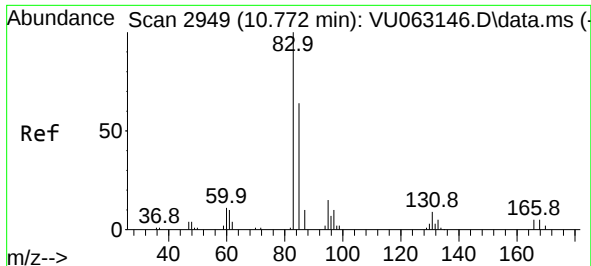
Tgt Ion:104 Resp: 91941

Ion Ratio Lower Upper

104 100

78 48.2 31.6 58.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.148 ug/L

RT: 10.769 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

E2993MS

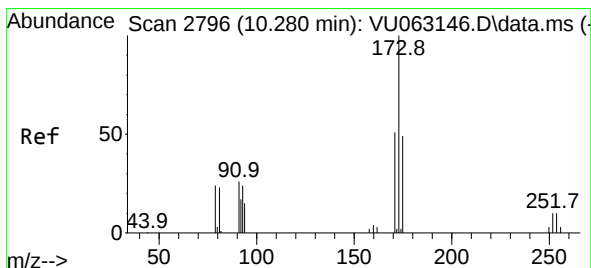
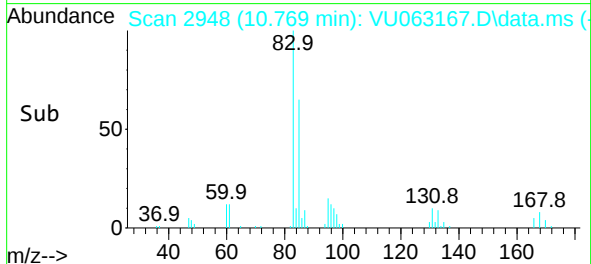
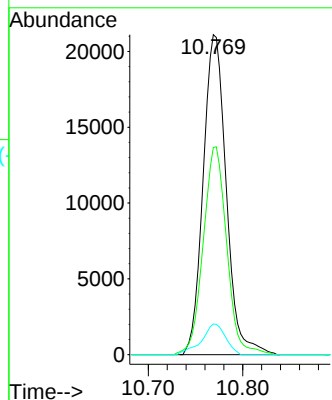
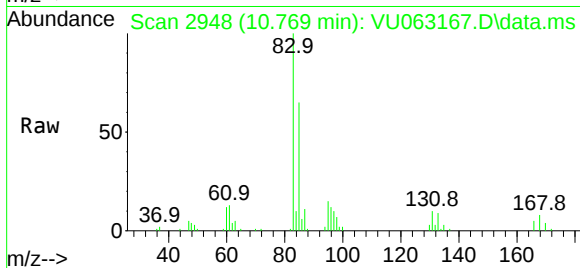
Tgt Ion: 83 Resp: 35816

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.8

131 9.6 7.4 11.0



#59

Bromoform

Concen: 5.087 ug/L

RT: 10.280 min Scan# 2796

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

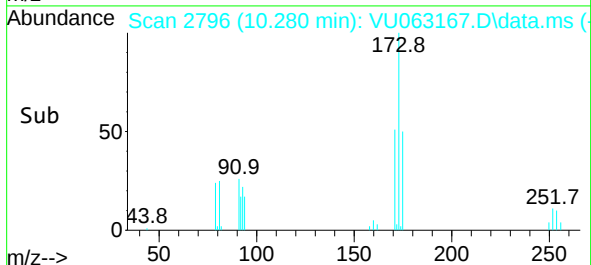
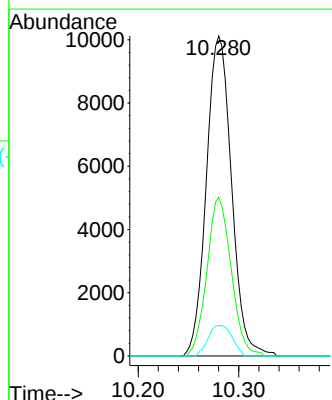
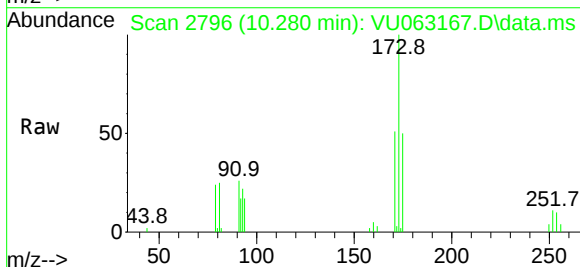
Tgt Ion:173 Resp: 17604

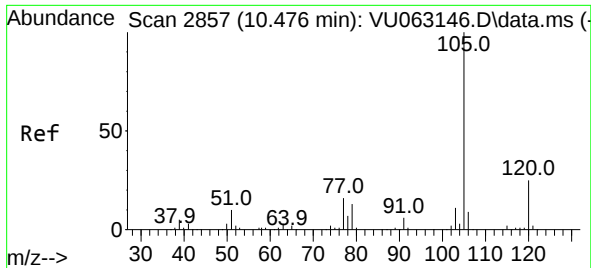
Ion Ratio Lower Upper

173 100

175 47.7 37.7 56.5

254 9.0 7.9 11.9

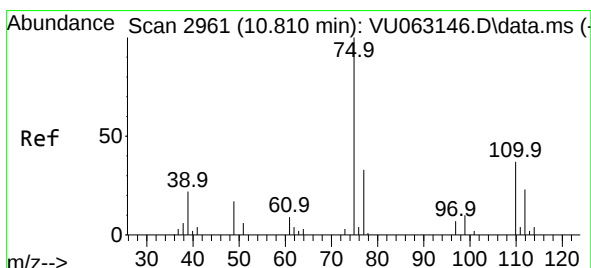
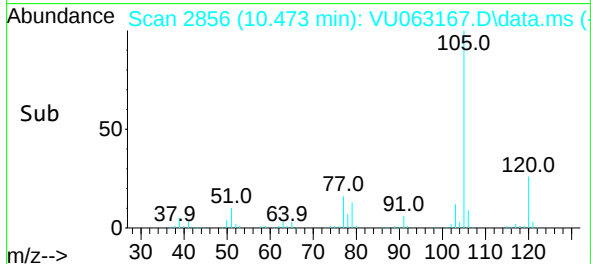
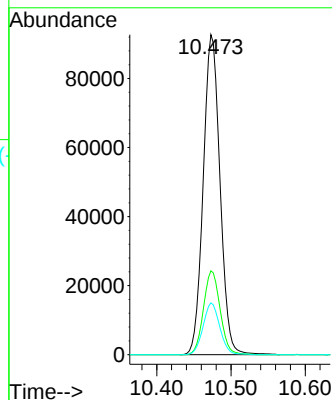
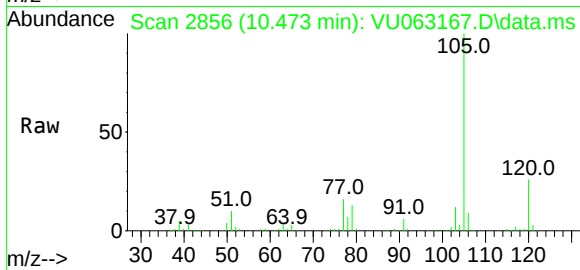




#60
Isopropylbenzene
Concen: 5.100 ug/L
RT: 10.473 min Scan# 2856
Delta R.T. -0.003 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

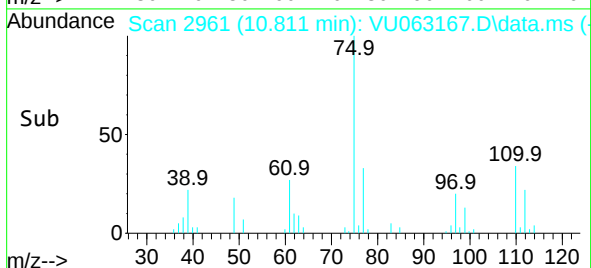
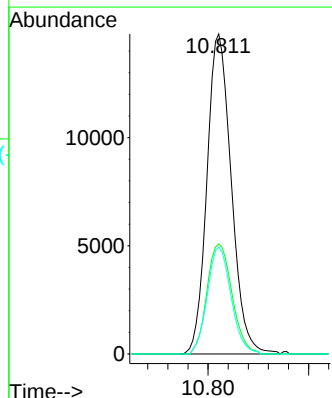
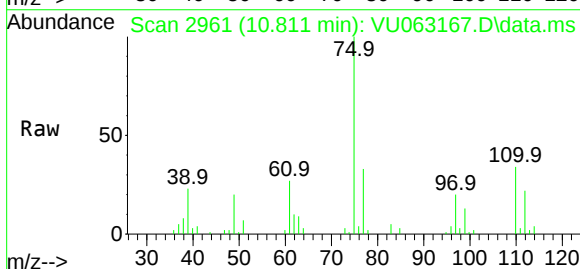
Instrument :
MSVOA_U
ClientSampleId :
E2993MS

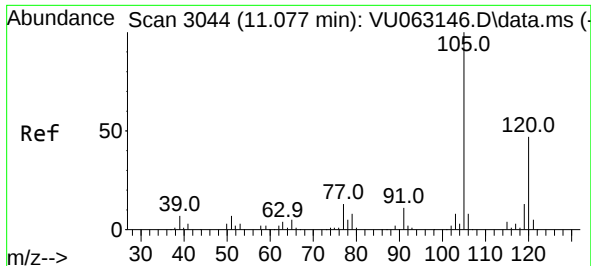
Tgt Ion:105 Resp: 145367
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 16.1 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 5.132 ug/L
RT: 10.811 min Scan# 2961
Delta R.T. 0.000 min
Lab File: VU063167.D
Acq: 05 Feb 2025 18:20

Tgt Ion: 75 Resp: 24860
Ion Ratio Lower Upper
75 100
110 35.4 27.4 41.0
77 32.6 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 5.095 ug/L

RT: 11.077 min Scan# 3044

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

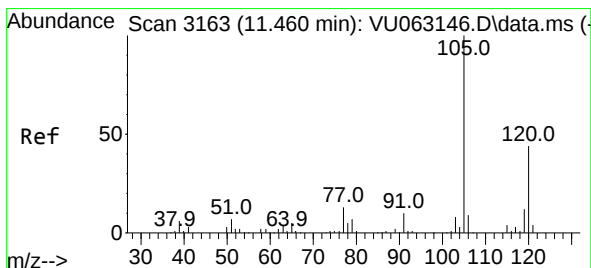
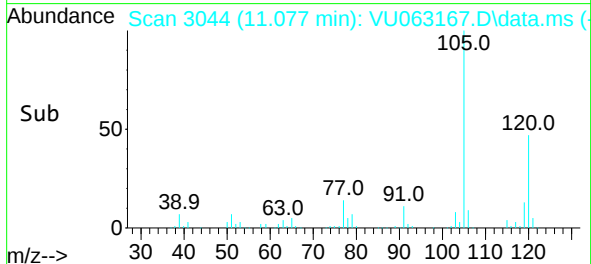
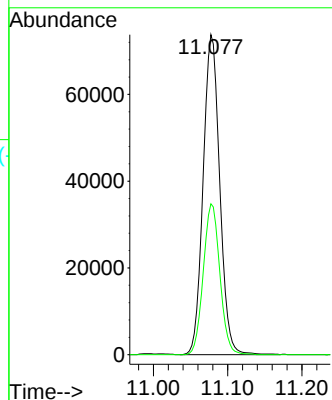
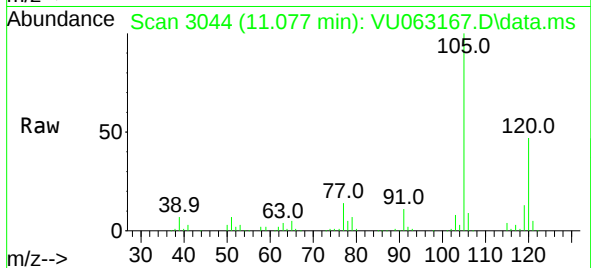
E2993MS

Tgt Ion:105 Resp: 114557

Ion Ratio Lower Upper

105 100

120 47.0 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 5.168 ug/L

RT: 11.457 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VU063167.D

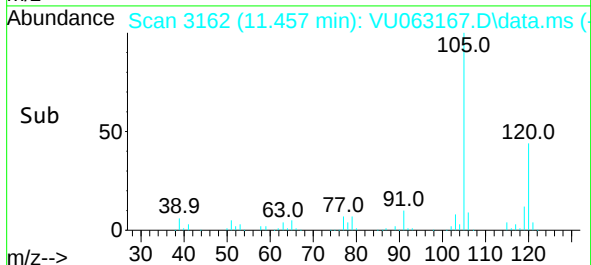
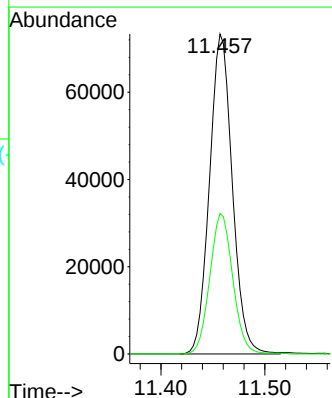
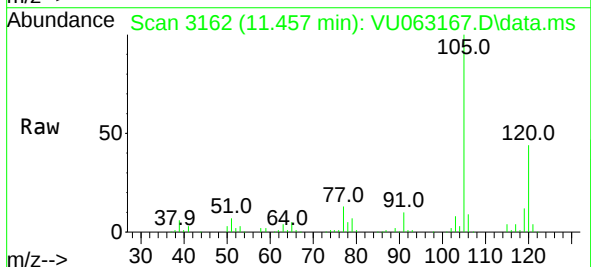
Acq: 05 Feb 2025 18:20

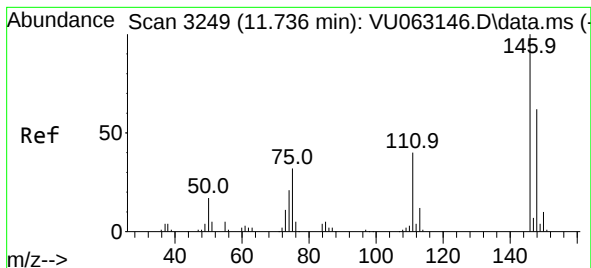
Tgt Ion:105 Resp: 111731

Ion Ratio Lower Upper

105 100

120 44.2 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 5.013 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

E2993MS

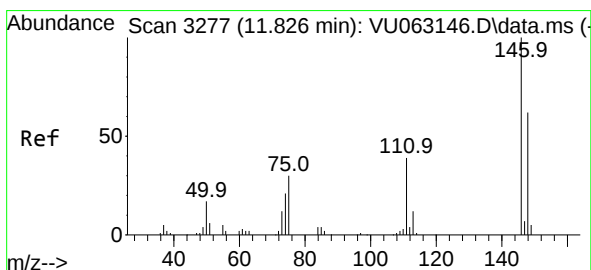
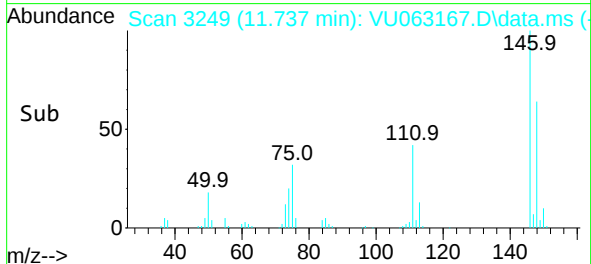
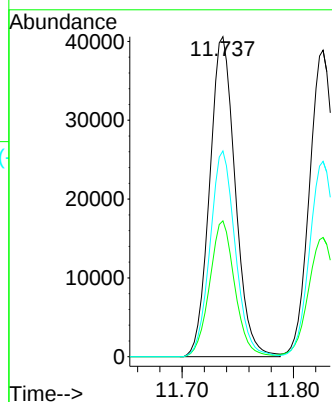
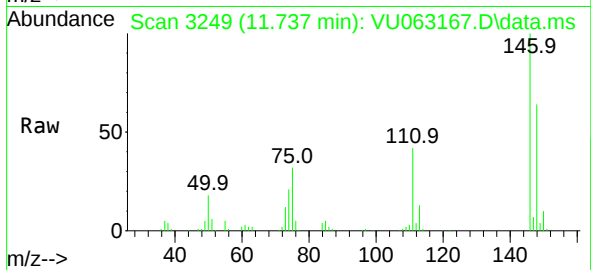
Tgt Ion:146 Resp: 64746

Ion Ratio Lower Upper

146 100

111 42.4 27.9 51.7

148 64.3 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 4.994 ug/L

RT: 11.827 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

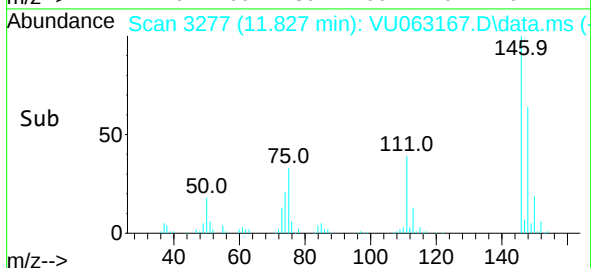
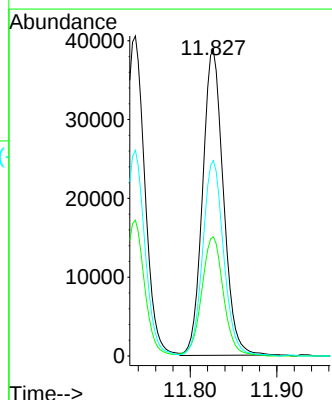
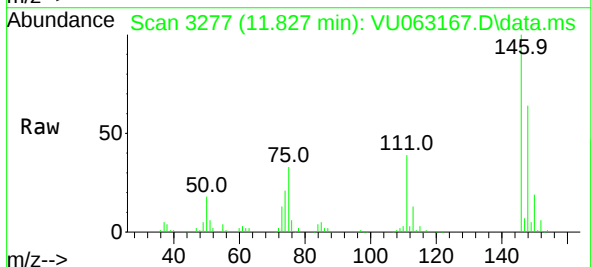
Tgt Ion:146 Resp: 64842

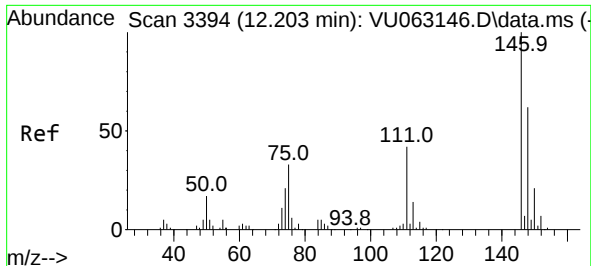
Ion Ratio Lower Upper

146 100

111 38.9 28.5 52.9

148 63.7 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 5.267 ug/L

RT: 12.203 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

E2993MS

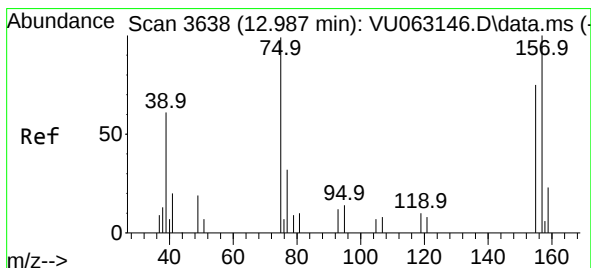
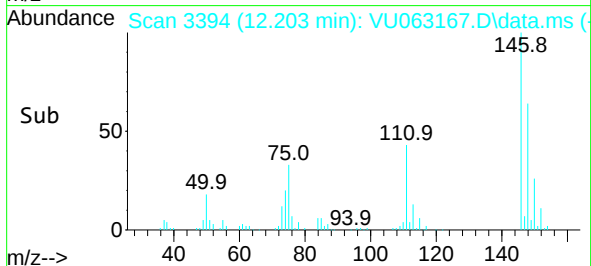
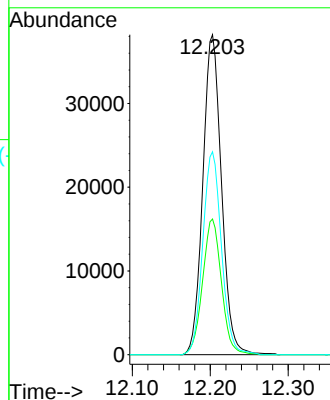
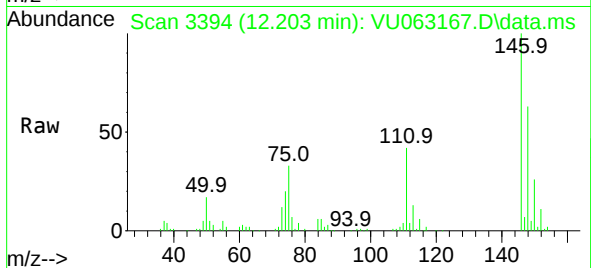
Tgt Ion:146 Resp: 63558

Ion Ratio Lower Upper

146 100

111 42.4 34.1 51.1

148 63.4 52.5 78.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.446 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

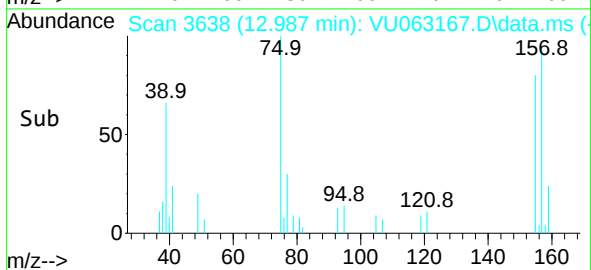
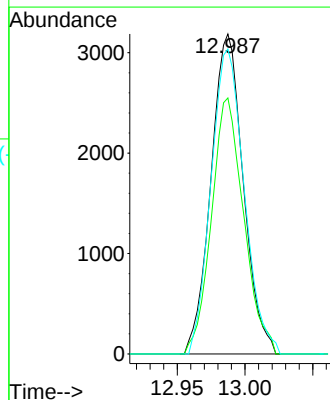
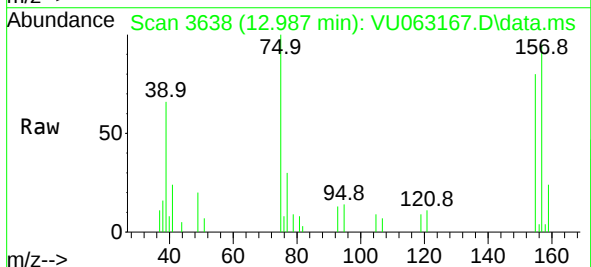
Tgt Ion: 75 Resp: 5277

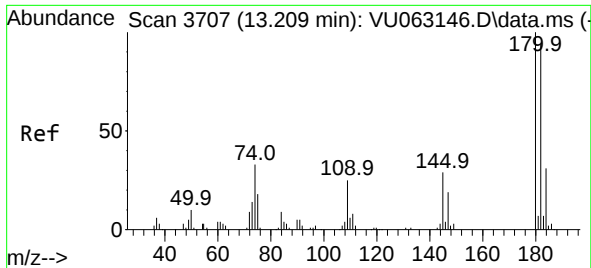
Ion Ratio Lower Upper

75 100

155 80.0 61.6 92.4

157 95.3 77.4 116.0

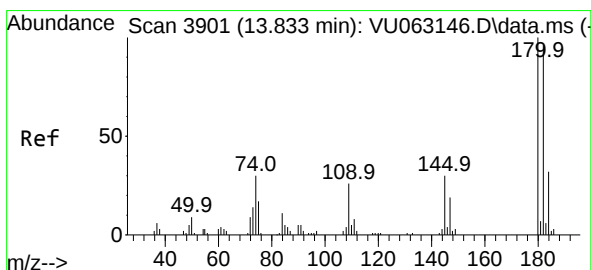
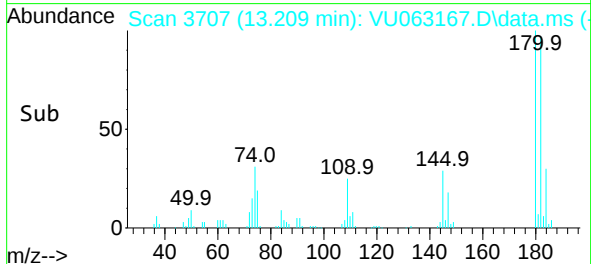
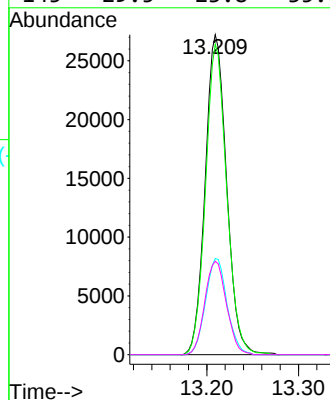
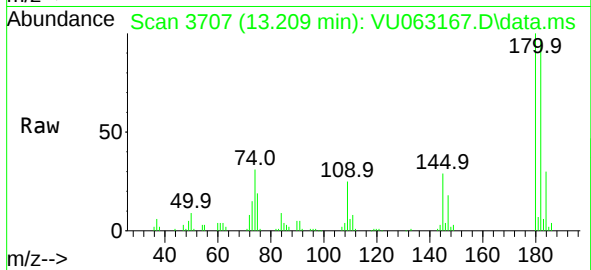




#69
 1,3,5-Trichlorobenzene
 Concen: 4.998 ug/L
 RT: 13.209 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063167.D
 Acq: 05 Feb 2025 18:20

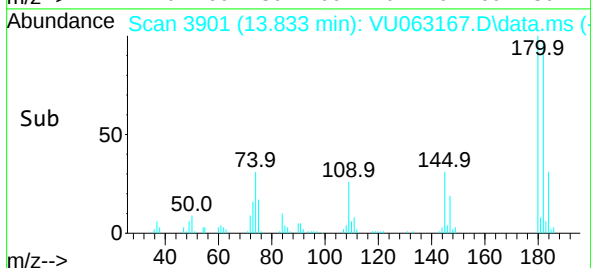
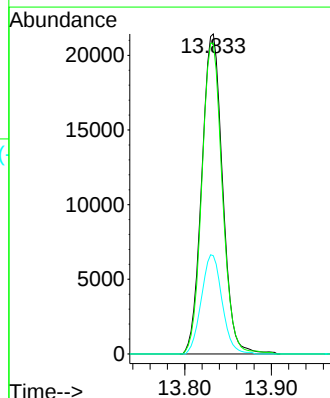
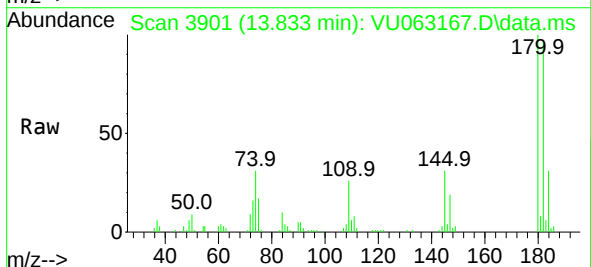
Instrument :
 MSVOA_U
 ClientSampleId :
 E2993MS

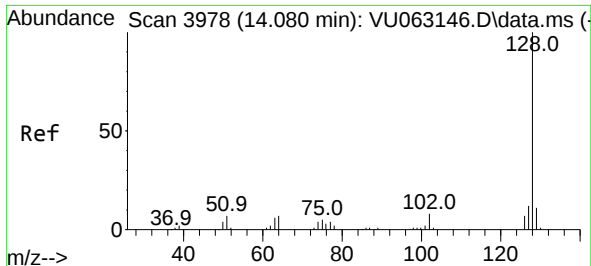
Tgt Ion:180	Resp:	44099
Ion Ratio	Lower	Upper
180	100	
182	95.6	76.7 115.1
184	30.2	23.8 35.8
145	29.5	23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.149 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU063167.D
 Acq: 05 Feb 2025 18:20

Tgt Ion:180	Resp:	35744
Ion Ratio	Lower	Upper
180	100	
182	95.6	76.1 114.1
145	30.9	24.3 36.5





#71
Naphthalene

Concen: 5.528 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Instrument :

MSVOA_U

ClientSampleId :

E2993MS

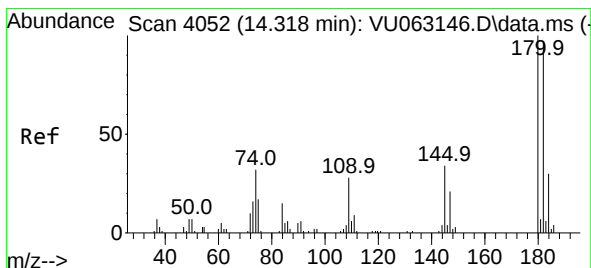
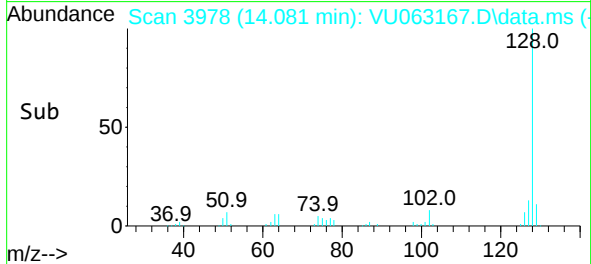
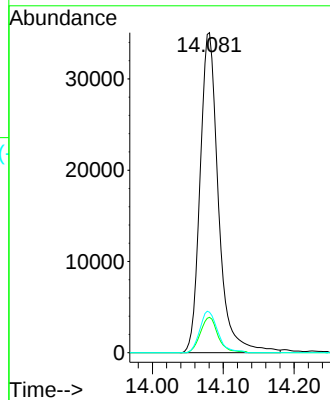
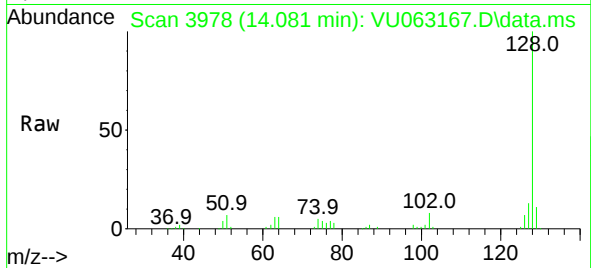
Tgt Ion:128 Resp: 62987

Ion Ratio Lower Upper

128 100

129 10.7 8.0 12.0

127 12.7 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.515 ug/L

RT: 14.318 min Scan# 4052

Delta R.T. 0.000 min

Lab File: VU063167.D

Acq: 05 Feb 2025 18:20

Tgt Ion:180 Resp: 34210

Ion Ratio Lower Upper

180 100

182 95.7 78.5 117.7

145 32.6 26.1 39.1

