

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121224\
 Data File : VU062296.D
 Acq On : 12 Dec 2024 18:33
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005184

Quant Time: Dec 13 00:21:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 13 00:13:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	95200	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	88351	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	45457	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	23191	3.611	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.200%
7) Chloroethane-d5	1.907	69	19517	4.273	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.557	65	11741	3.843	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.800%
20) 2-Butanone-d5	4.624	46	64242	52.202	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.400%
24) Chloroform-d	5.052	84	65421	4.707	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.692	65	33077	4.840	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.718	84	107701	4.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.679	67	33012	4.534	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.888	98	100082	4.163	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	8.171	79	14602	4.556	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.624	63	49697	51.401	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.800%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	28535	5.037	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.183	152	39164	4.675	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	44135	4.949	ug/L	99
3) Chloromethane	1.515	50	35299	5.050	ug/L	99
5) Vinyl chloride	1.599	62	37935	5.213	ug/L	100
6) Bromomethane	1.853	94	24347	5.019	ug/L	100
8) Chloroethane	1.930	64	21918	5.377	ug/L	100
9) Trichlorofluoromethane	2.132	101	65791	5.208	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	34127	4.964	ug/L	90
12) 1,1-Dichloroethene	2.573	96	32522	5.060	ug/L	90
13) Acetone	2.647	43	46341	55.305	ug/L	96
14) Carbon disulfide	2.785	76	97632	4.803	ug/L	99
15) Methyl Acetate	2.952	43	11160	5.314	ug/L	90
16) Methylene chloride	3.036	84	36302	5.380	ug/L	94
17) Methyl tert-butyl Ether	3.354	73	86737	5.417	ug/L	96
18) trans-1,2-Dichloroethene	3.345	96	35929	5.440	ug/L	92
19) 1,1-Dichloroethane	3.859	63	65776	5.434	ug/L	98
21) 2-Butanone	4.708	43	68988	56.694	ug/L	92
22) cis-1,2-Dichloroethene	4.653	96	40259	5.439	ug/L	96
23) Bromochloromethane	4.965	128	17670	5.446	ug/L	# 86
25) Chloroform	5.078	83	74544	5.467	ug/L	97

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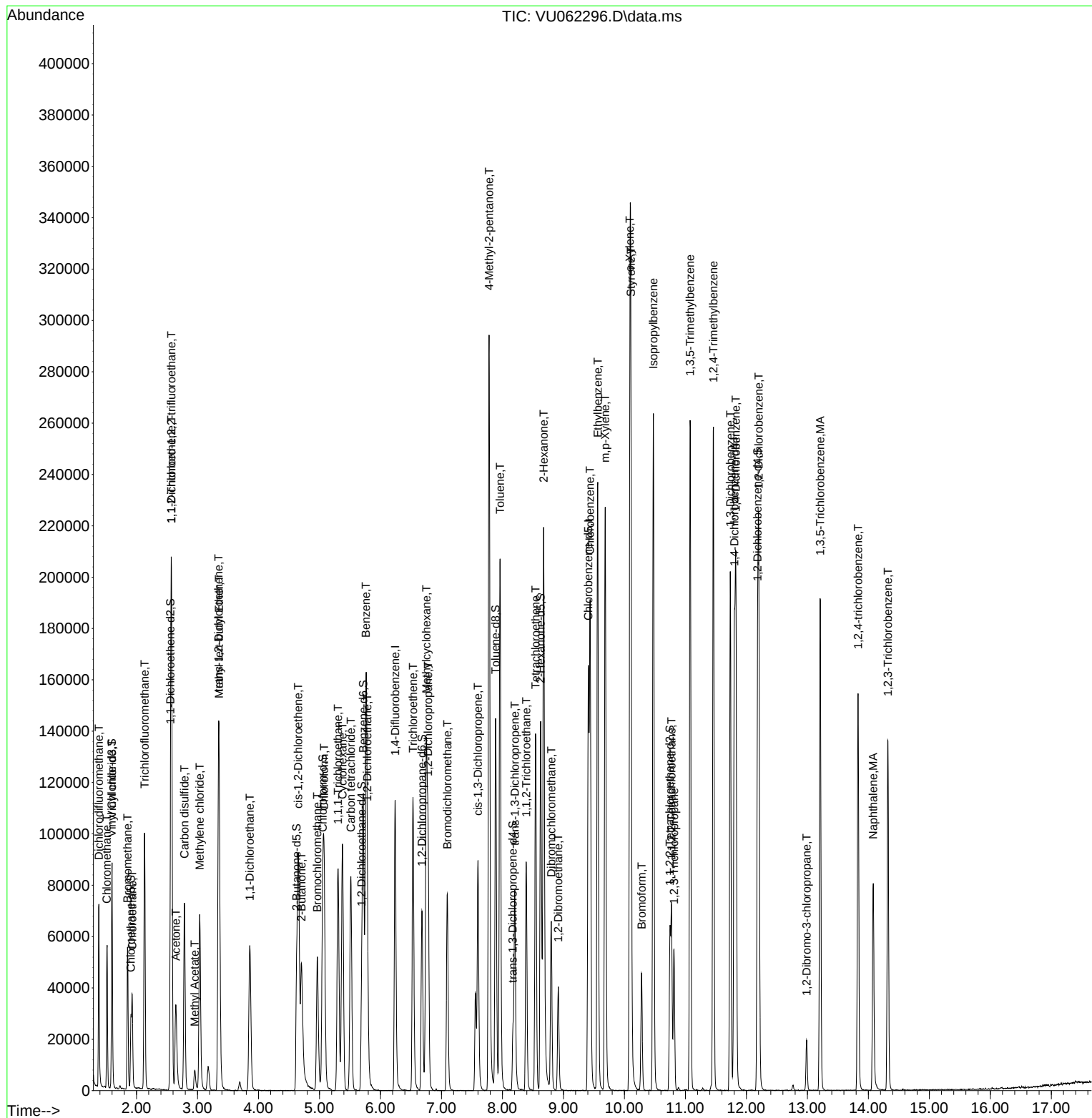
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	46960	5.419	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	67969	5.469	ug/L	95
30) Cyclohexane	5.377	56	47375	4.701	ug/L	91
31) Carbon tetrachloride	5.515	117	60498	5.308	ug/L	100
33) Benzene	5.763	78	145675	5.321	ug/L	100
34) Trichloroethene	6.534	95	40704	5.248	ug/L	97
35) Methylcyclohexane	6.753	83	55320	4.811	ug/L	95
37) 1,2-Dichloropropane	6.782	63	35440	5.315	ug/L	100
38) Bromodichloromethane	7.097	83	53067	5.641	ug/L	100
39) cis-1,3-Dichloropropene	7.598	75	56462	5.283	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	173746	55.600	ug/L #	92
42) Toluene	7.962	91	159146	5.390	ug/L	96
44) trans-1,3-Dichloropropene	8.203	75	48097	5.511	ug/L	100
45) 1,1,2-Trichloroethane	8.389	97	27892	5.541	ug/L	96
47) Tetrachloroethene	8.544	164	31558	5.270	ug/L	94
48) 2-Hexanone	8.676	43	129789	56.200	ug/L #	95
49) Dibromochloromethane	8.801	129	35425	5.825	ug/L	96
50) 1,2-Dibromoethane	8.917	107	27246	5.633	ug/L #	98
51) Chlorobenzene	9.438	112	101599	5.371	ug/L	99
52) Ethylbenzene	9.563	91	173421	5.239	ug/L	99
53) m,p-Xylene	9.685	106	66646	5.453	ug/L	96
54) o-Xylene	10.090	106	63974	5.382	ug/L	99
55) Styrene	10.106	104	108841	5.555	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	32754	5.591	ug/L	99
59) Bromoform	10.283	173	20826	5.830	ug/L	97
60) Isopropylbenzene	10.476	105	173142	5.273	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	23280	5.538	ug/L	95
62) 1,3,5-Trimethylbenzene	11.077	105	148196	5.333	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	144800	5.318	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	83367	5.527	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	80531	5.302	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	77450	5.556	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	5520	6.020	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	61821	5.513	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	48989	5.534	ug/L	97
71) Naphthalene	14.081	128	73629	5.539	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	42331	5.422	ug/L	98

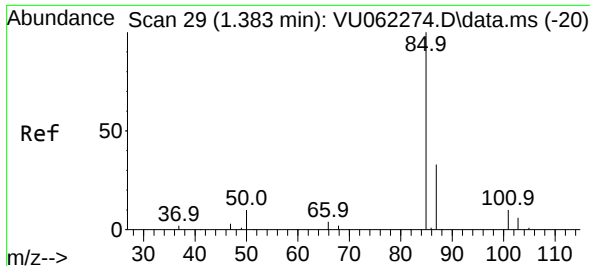
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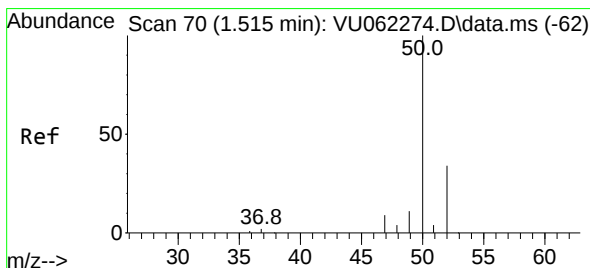
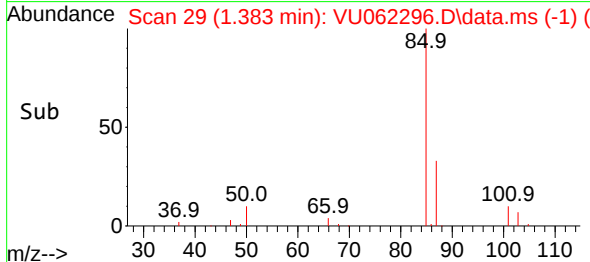
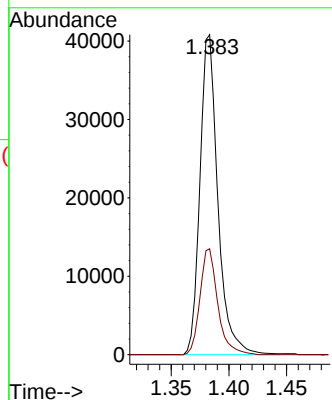
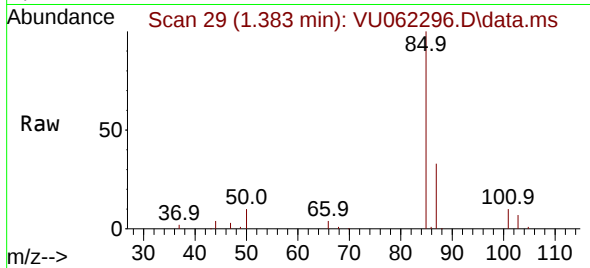




#2
Dichlorodifluoromethane
Concen: 4.949 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

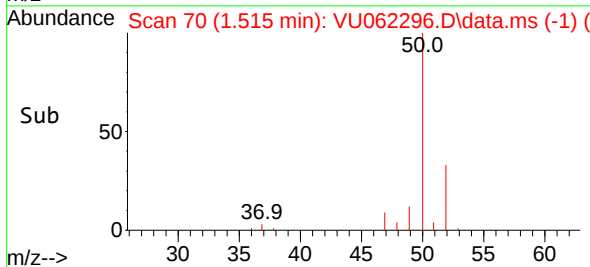
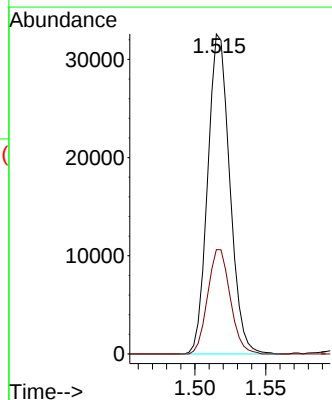
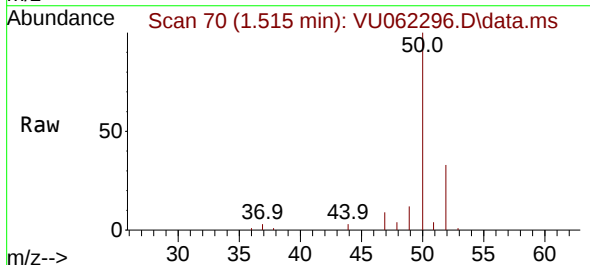
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

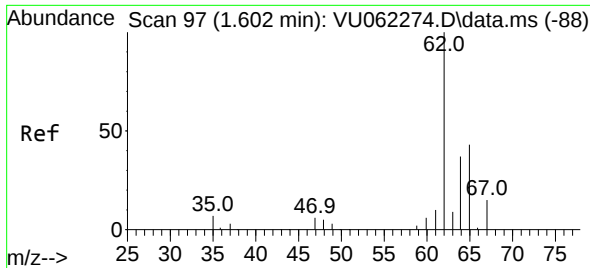
Tgt Ion: 85 Resp: 44135
Ion Ratio Lower Upper
85 100
87 32.8 26.6 40.0



#3
Chloromethane
Concen: 5.050 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 50 Resp: 35299
Ion Ratio Lower Upper
50 100
52 32.6 23.1 42.9

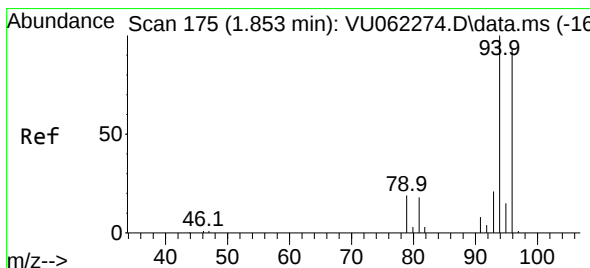
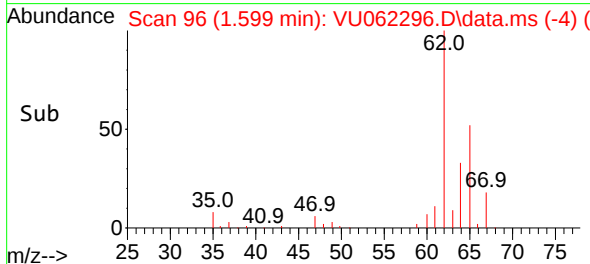
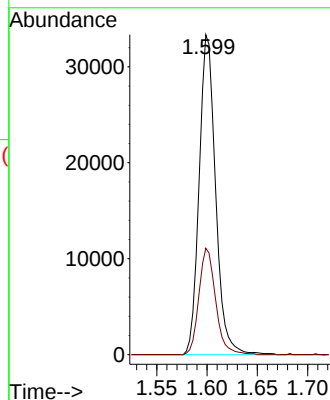
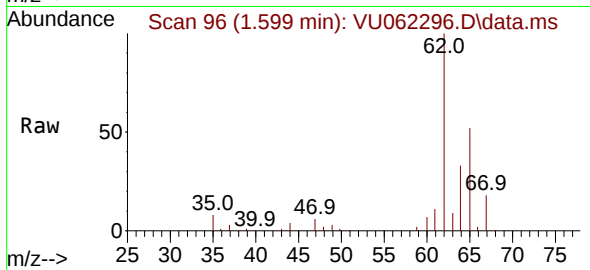




#5
Vinyl chloride
Concen: 5.213 ug/L
RT: 1.599 min Scan# 90
Delta R.T. -0.003 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

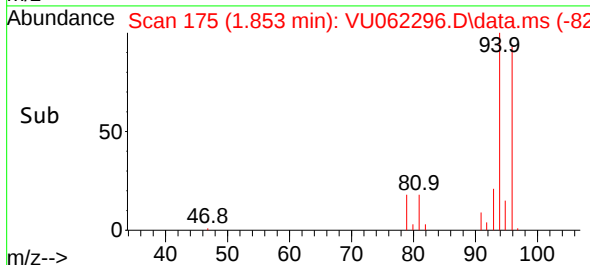
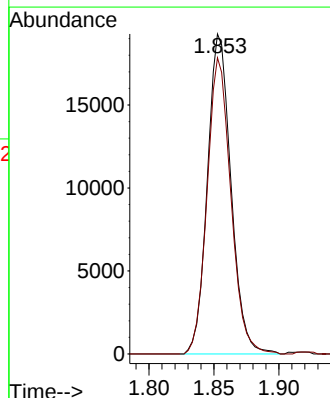
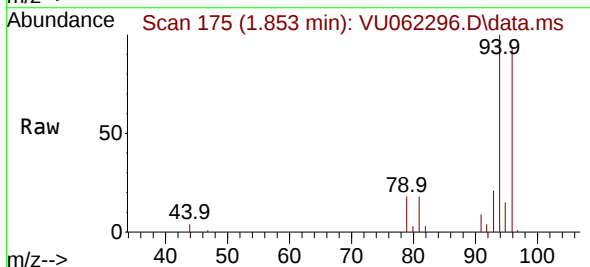
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

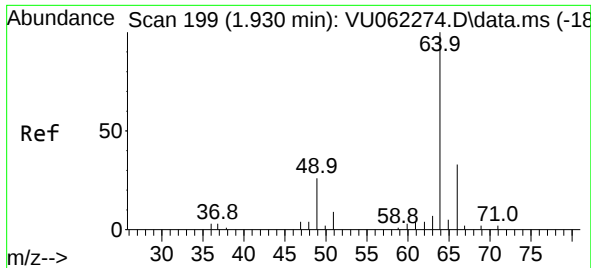
Tgt Ion: 62 Resp: 37935
Ion Ratio Lower Upper
62 100
64 33.2 23.1 42.9



#6
Bromomethane
Concen: 5.019 ug/L
RT: 1.853 min Scan# 175
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 94 Resp: 24347
Ion Ratio Lower Upper
94 100
96 92.5 64.5 119.9

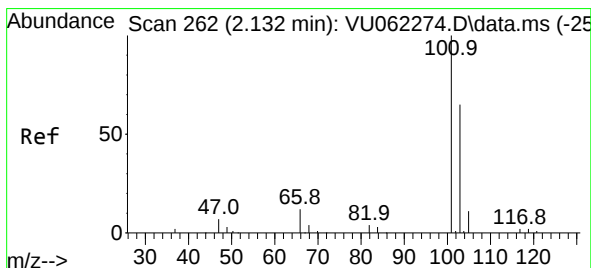
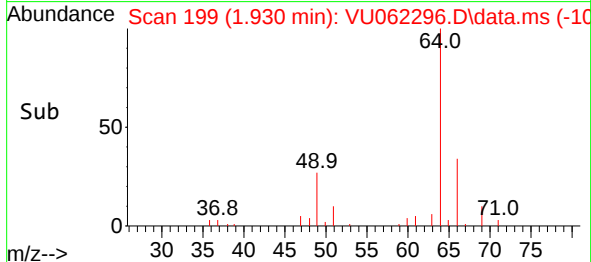
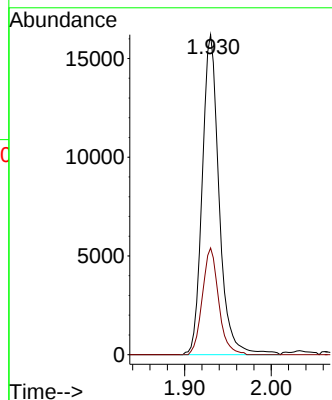
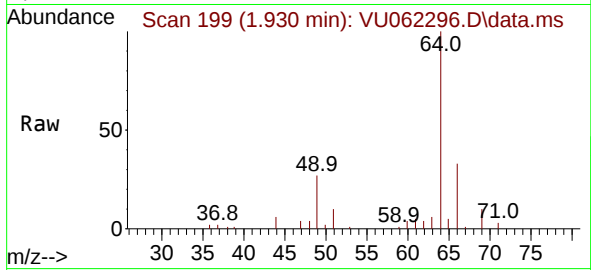




#8
Chloroethane
Concen: 5.377 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

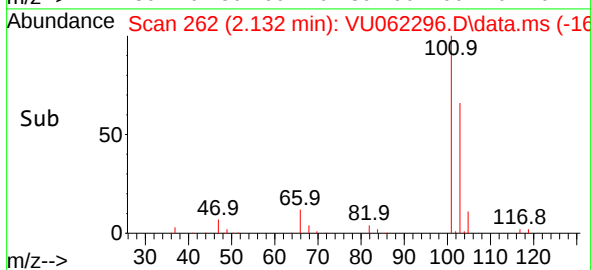
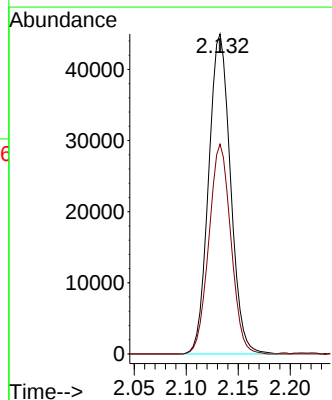
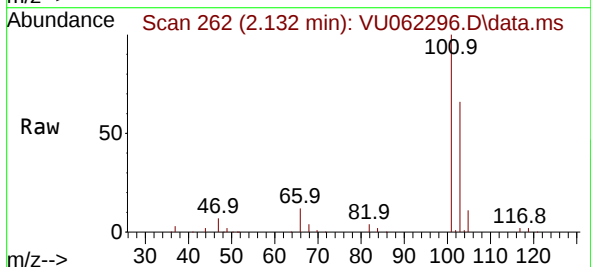
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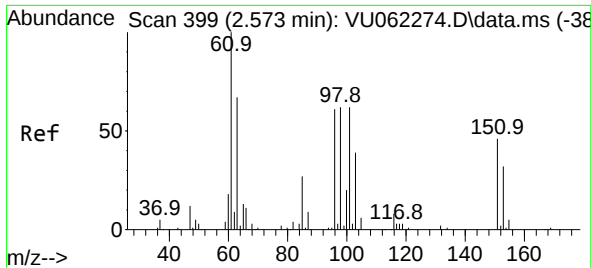
Tgt Ion: 64 Resp: 21918
Ion Ratio Lower Upper
64 100
66 33.4 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.208 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion:101 Resp: 65791
Ion Ratio Lower Upper
101 100
103 65.8 50.6 75.8

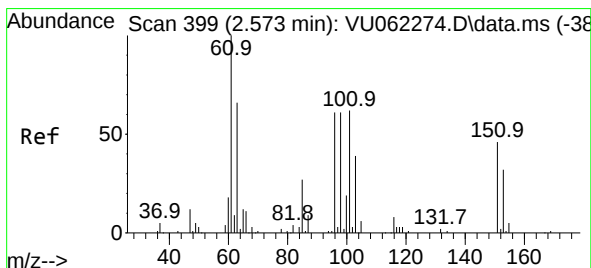
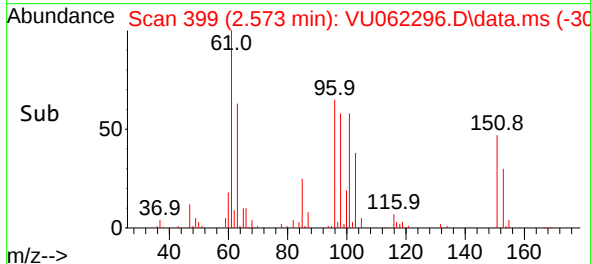
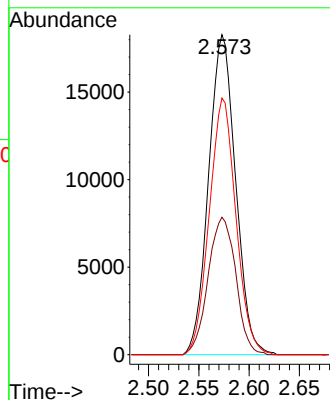
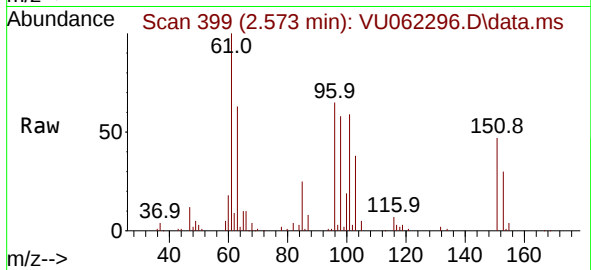




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.964 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU062296.D
 Acq: 12 Dec 2024 18:33

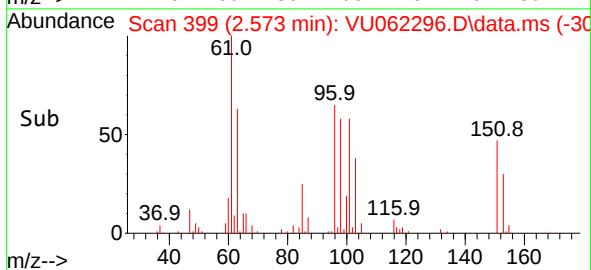
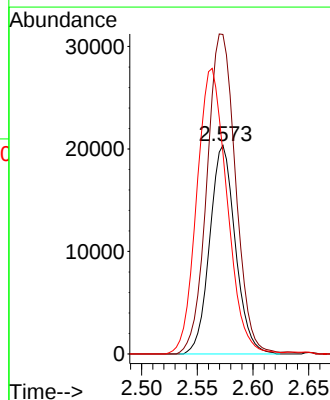
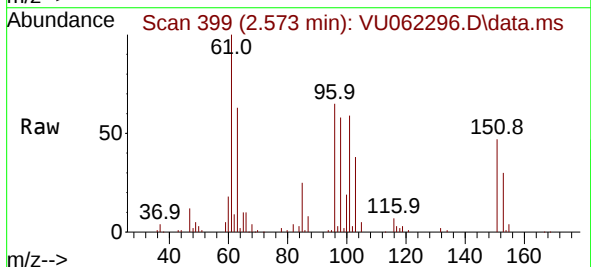
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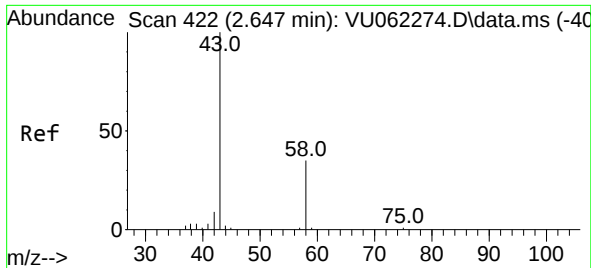
Tgt Ion:101 Resp: 34127
 Ion Ratio Lower Upper
 101 100
 85 44.0 38.0 57.0
 151 79.3 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 5.060 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU062296.D
 Acq: 12 Dec 2024 18:33

Tgt Ion: 96 Resp: 32522
 Ion Ratio Lower Upper
 96 100
 61 153.2 119.6 222.2
 63 96.5 65.0 120.6





#13

Acetone

Concen: 55.305 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

Instrument :

MSVOA_U

ClientSampleId :

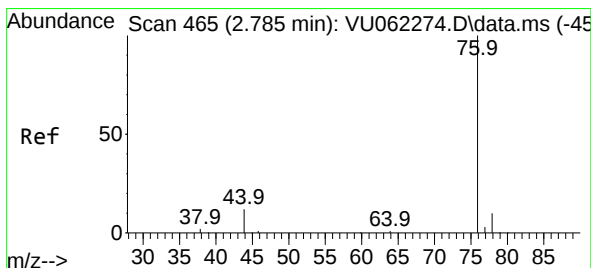
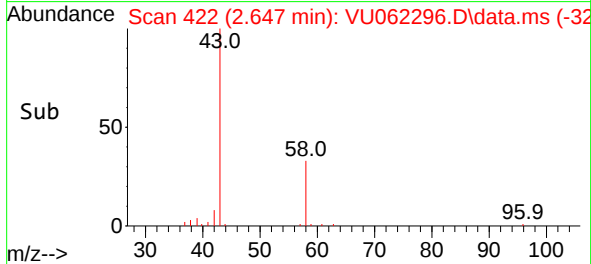
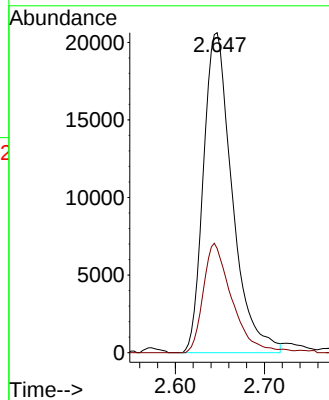
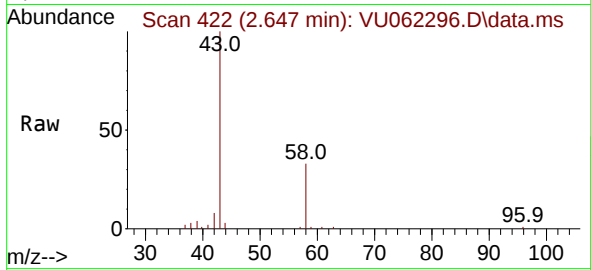
VSTD005184

Tgt Ion: 43 Resp: 46341

Ion Ratio Lower Upper

43 100

58 34.0 0.0 64.0



#14

Carbon disulfide

Concen: 4.803 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU062296.D

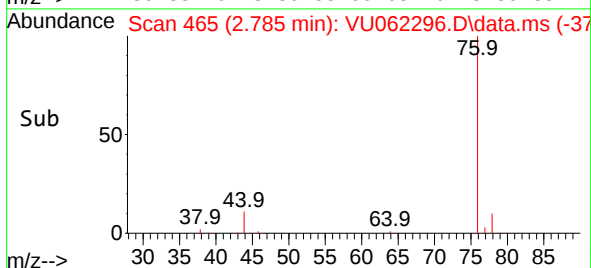
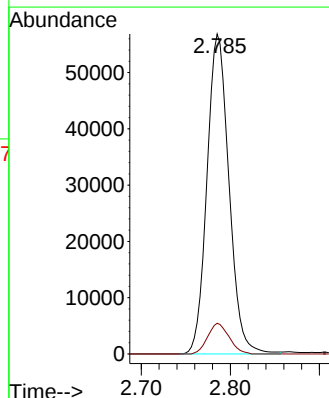
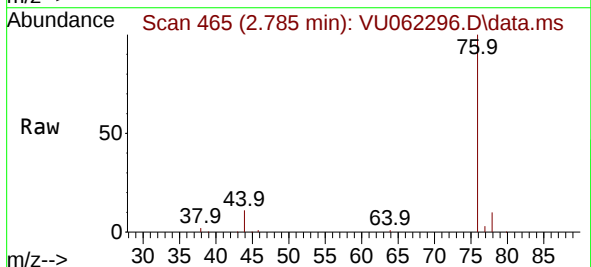
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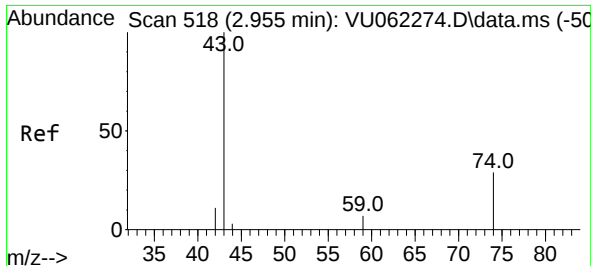
Tgt Ion: 76 Resp: 97632

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3

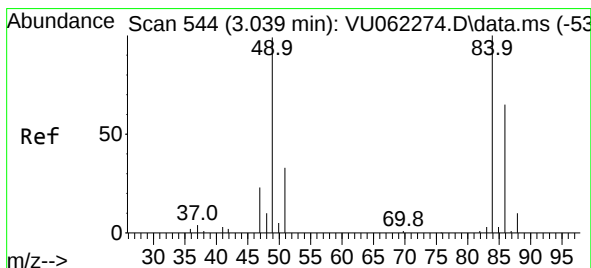
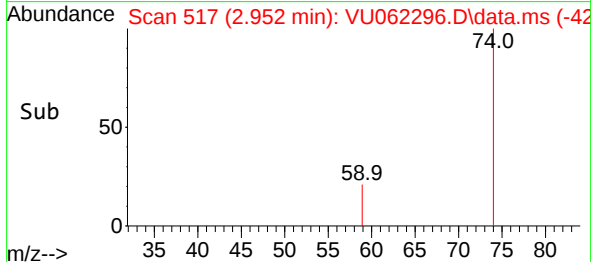
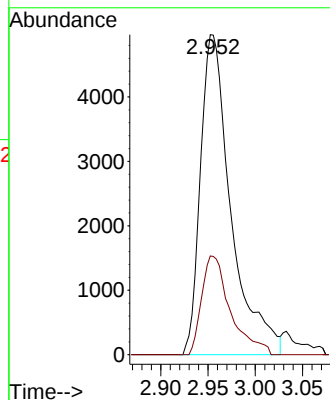
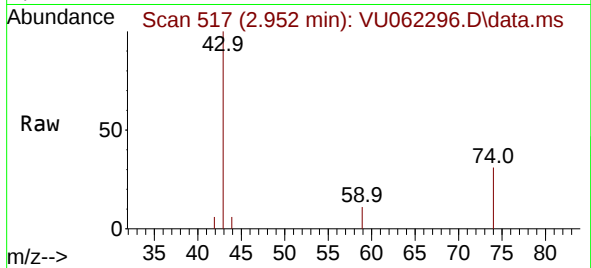




#15
Methyl Acetate
Concen: 5.314 ug/L
RT: 2.952 min Scan# 518
Delta R.T. -0.003 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

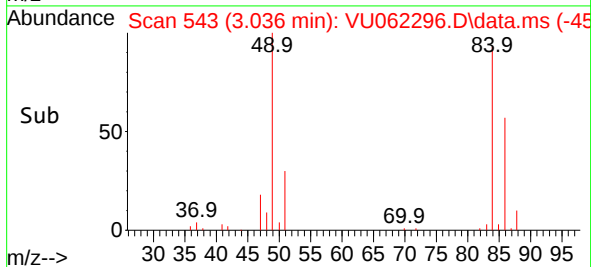
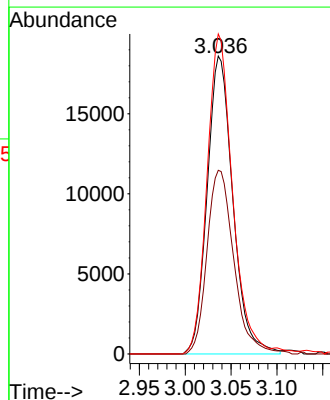
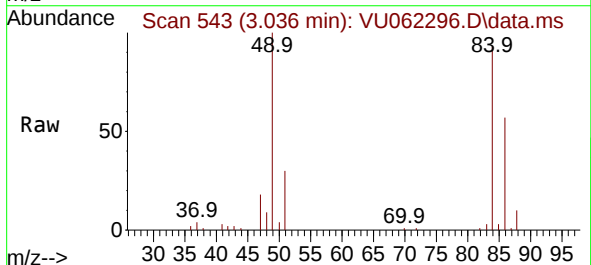
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

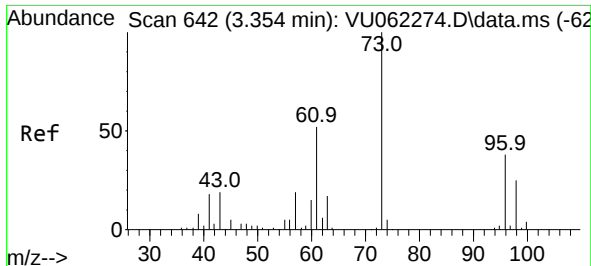
Tgt Ion: 43 Resp: 11160
Ion Ratio Lower Upper
43 100
74 29.0 19.4 29.2



#16
Methylene chloride
Concen: 5.380 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 84 Resp: 36302
Ion Ratio Lower Upper
84 100
86 61.6 43.5 80.7
49 107.4 81.9 152.1

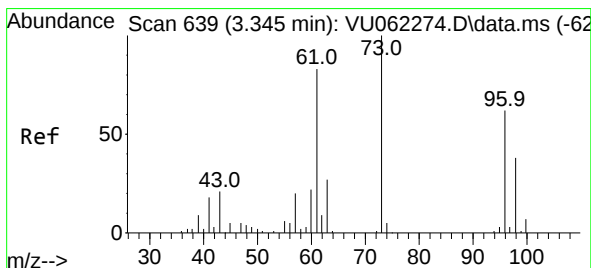
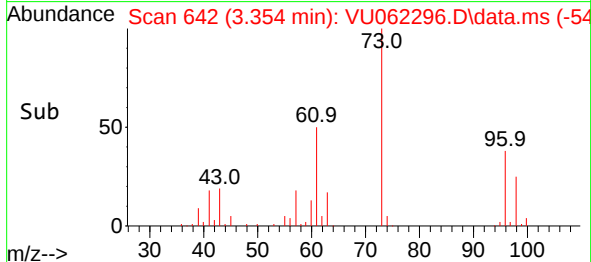
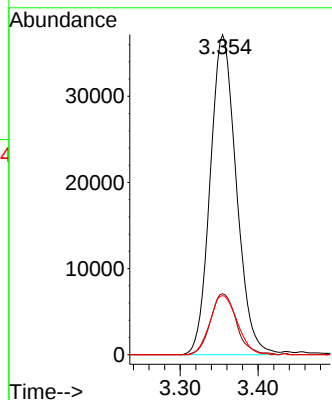
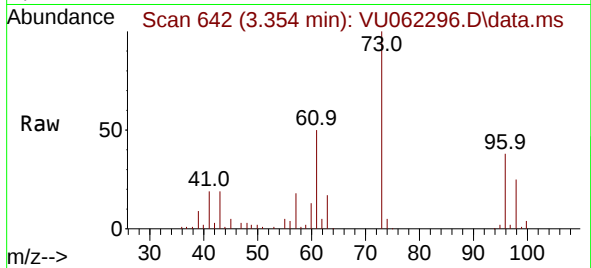




#17
Methyl tert-butyl Ether
Concen: 5.417 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

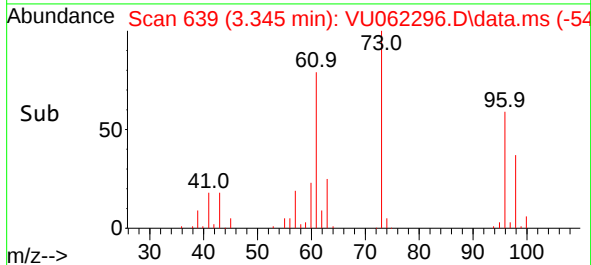
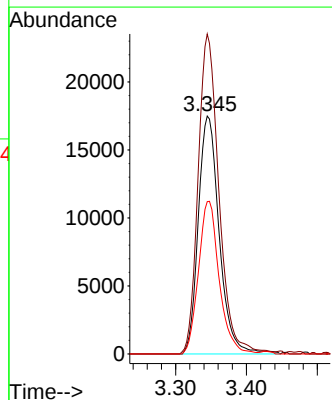
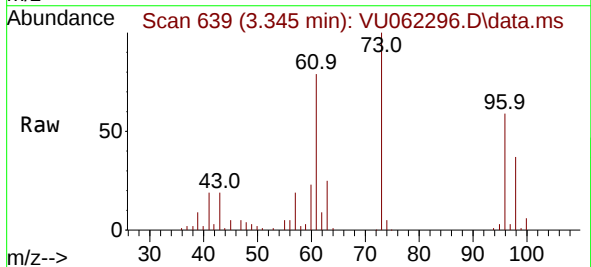
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

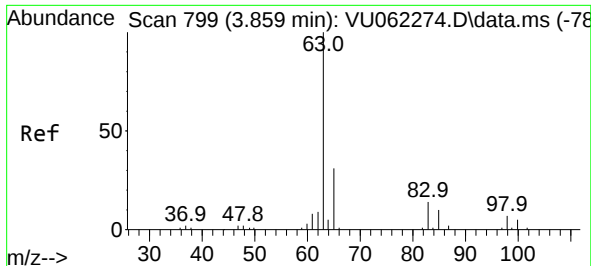
Tgt Ion: 73	Resp: 86737
Ion Ratio	Lower Upper
73 100	
43 19.0	16.3 24.5
57 19.3	17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.440 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 96	Resp: 35929
Ion Ratio	Lower Upper
96 100	
61 134.5	104.2 193.4
98 64.0	45.7 84.9

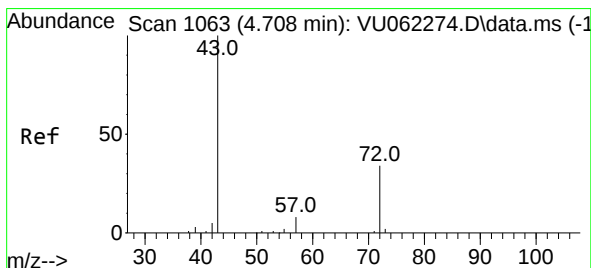
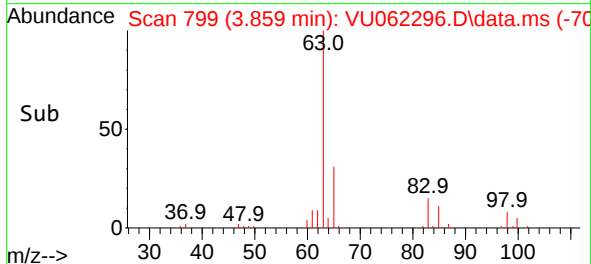
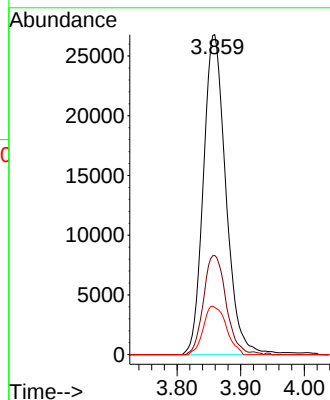
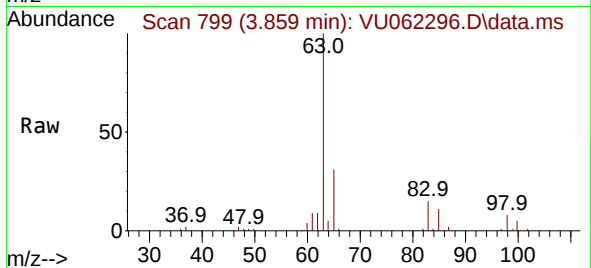




#19
1,1-Dichloroethane
Concen: 5.434 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

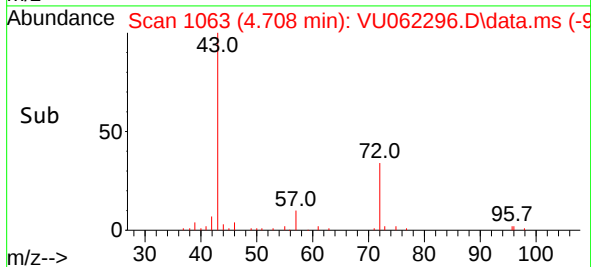
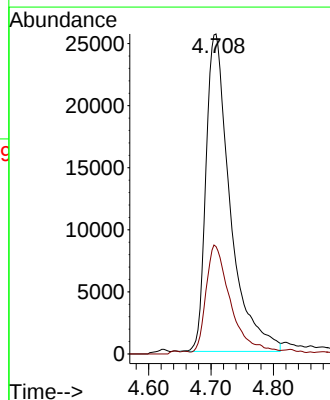
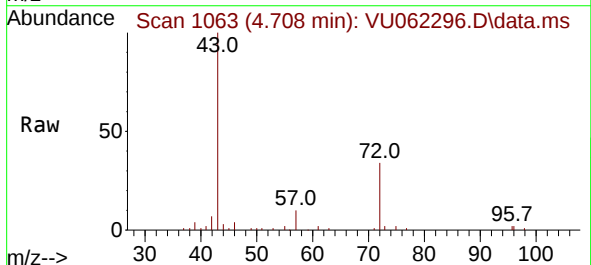
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

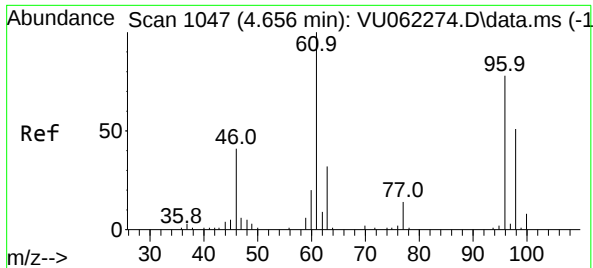
Tgt Ion: 63 Resp: 65776
Ion Ratio Lower Upper
63 100
65 31.0 22.7 42.3
83 14.8 9.9 18.3



#21
2-Butanone
Concen: 56.694 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 43 Resp: 68988
Ion Ratio Lower Upper
43 100
72 34.0 14.8 44.4

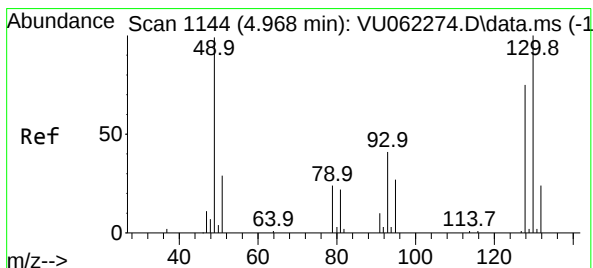
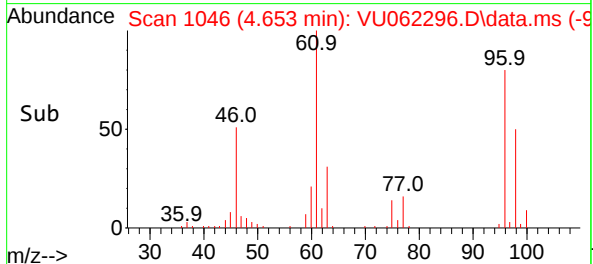
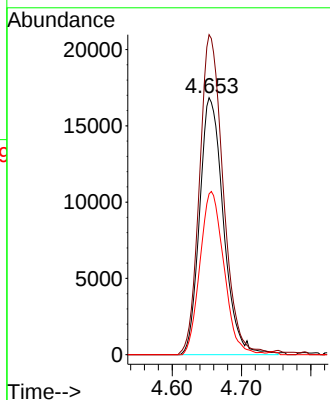
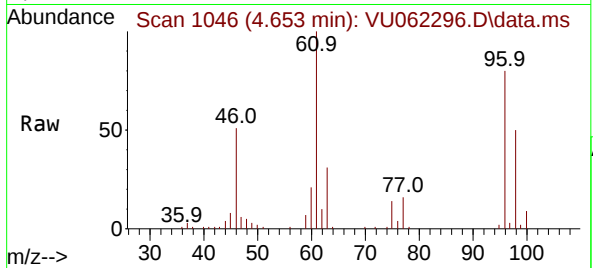




#22
 cis-1,2-Dichloroethene
 Concen: 5.439 ug/L
 RT: 4.653 min Scan# 1104
 Delta R.T. -0.003 min
 Lab File: VU062296.D
 Acq: 12 Dec 2024 18:33

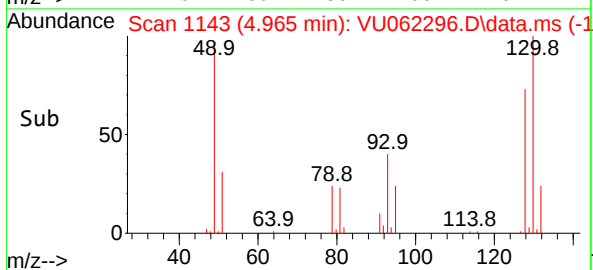
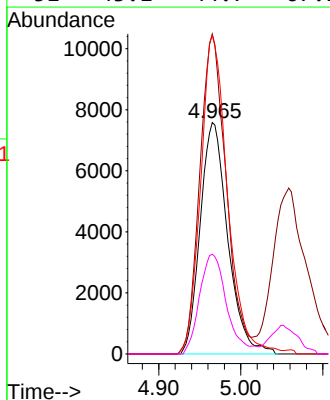
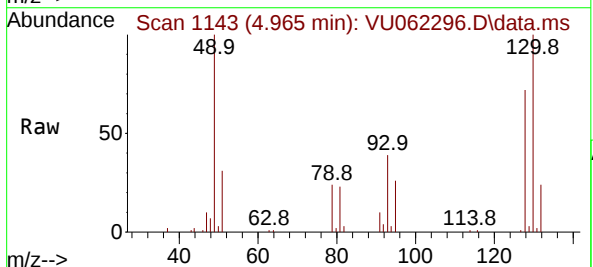
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005184

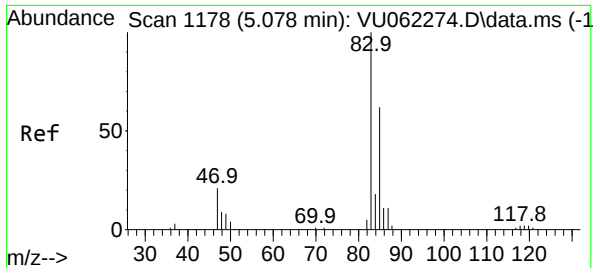
Tgt Ion:	96	Resp:	40259
Ion	Ratio	Lower	Upper
96	100		
61	124.6	92.0	170.8
98	62.6	44.5	82.7



#23
 Bromochloromethane
 Concen: 5.446 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU062296.D
 Acq: 12 Dec 2024 18:33

Tgt Ion:	128	Resp:	17670
Ion	Ratio	Lower	Upper
128	100		
49	138.3	115.3	214.1
130	137.7	92.0	170.8
51	43.1	44.7	67.1#

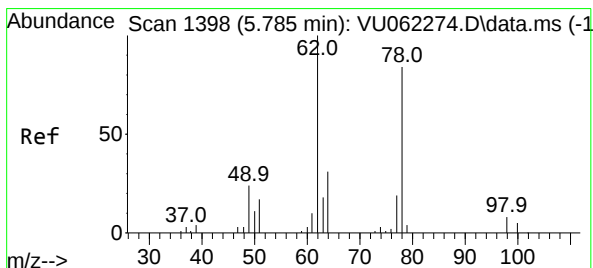
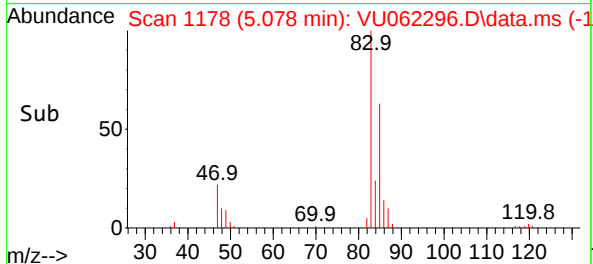
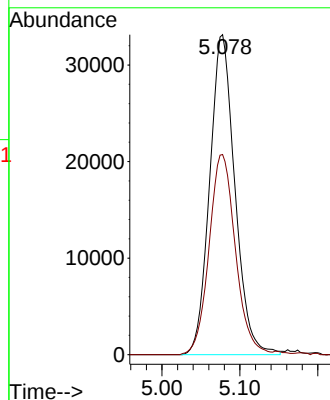
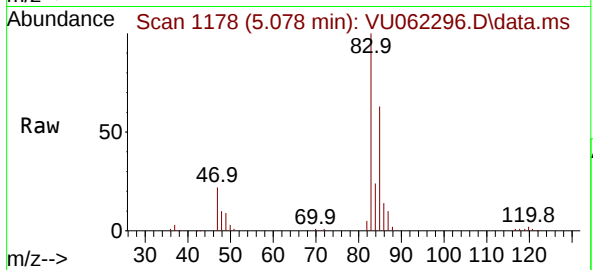




#25
Chloroform
Concen: 5.467 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

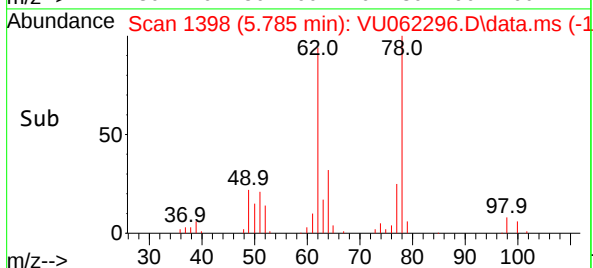
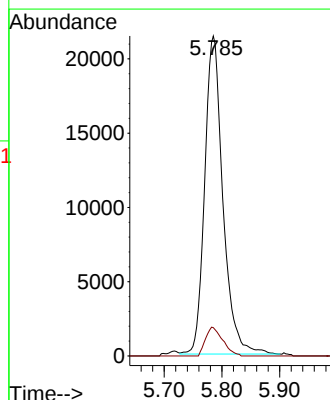
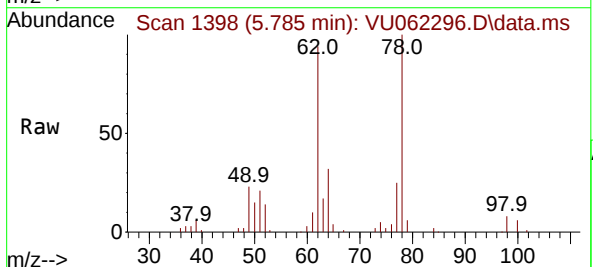
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

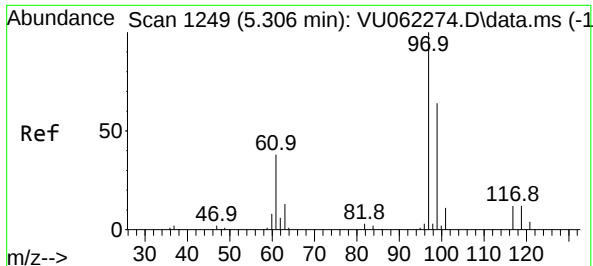
Tgt Ion: 83 Resp: 74544
Ion Ratio Lower Upper
83 100
85 62.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.419 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 62 Resp: 46960
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 5.469 ug/L

RT: 5.306 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005184

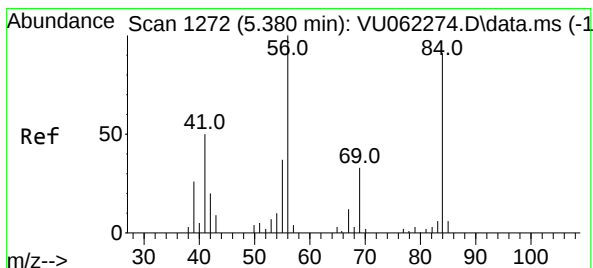
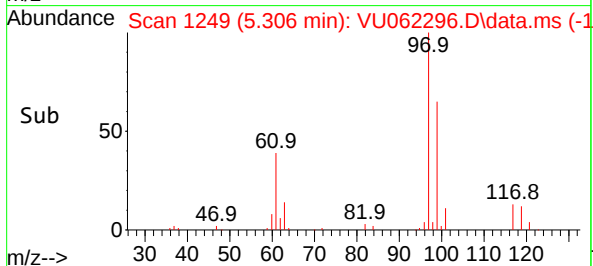
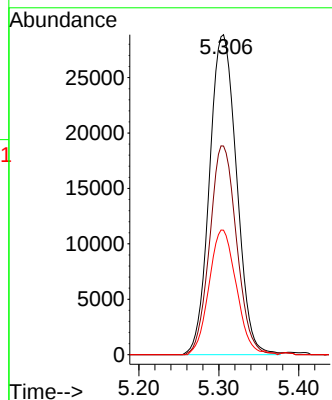
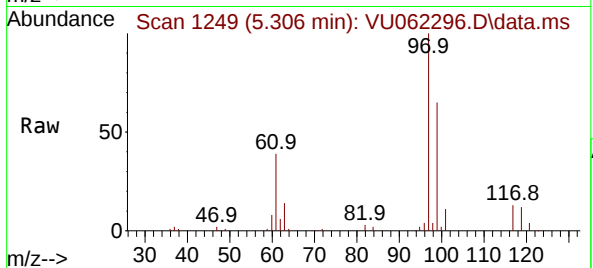
Tgt Ion: 97 Resp: 67969

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

61 39.3 37.8 56.6



#30

Cyclohexane

Concen: 4.701 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

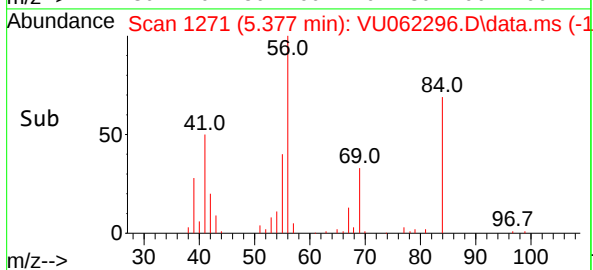
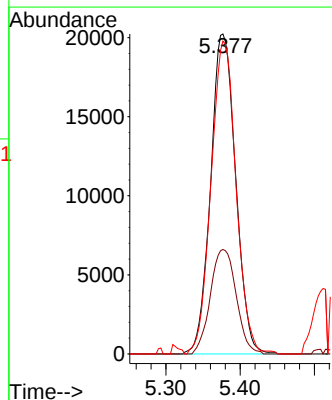
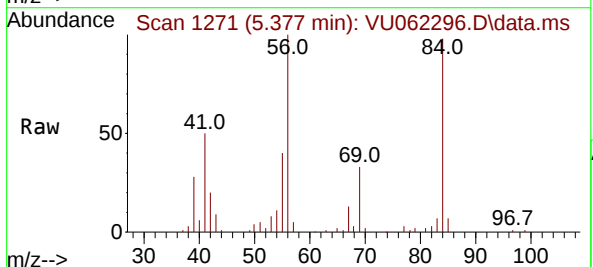
Tgt Ion: 56 Resp: 47375

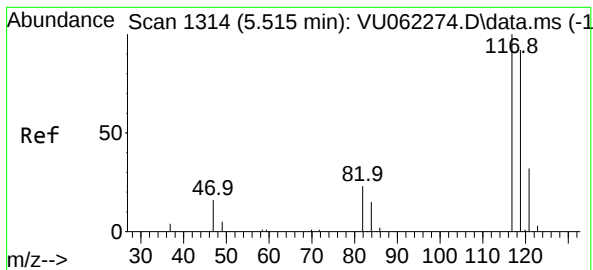
Ion Ratio Lower Upper

56 100

69 33.7 25.1 37.7

84 97.6 70.6 105.8

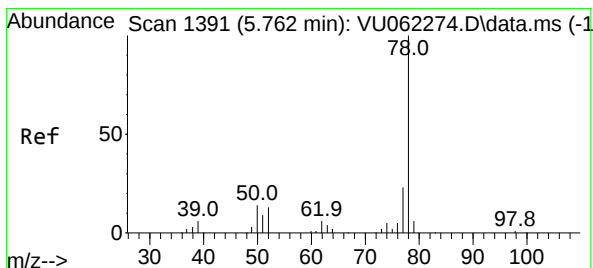
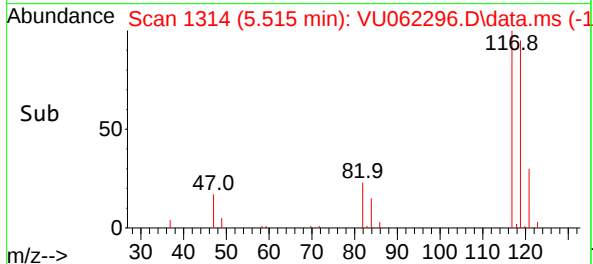
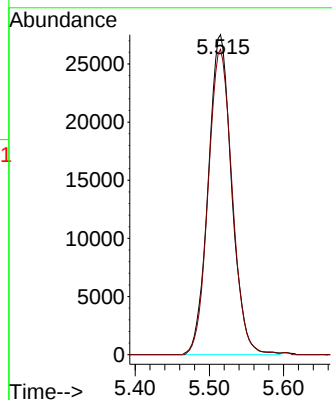
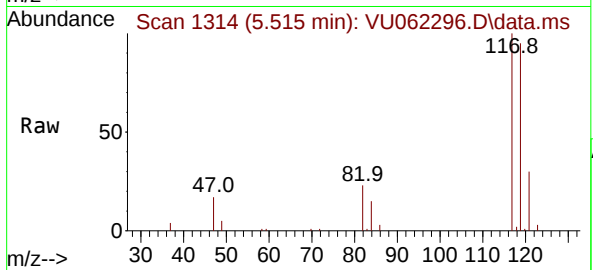




#31
Carbon tetrachloride
Concen: 5.308 ug/L
RT: 5.515 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

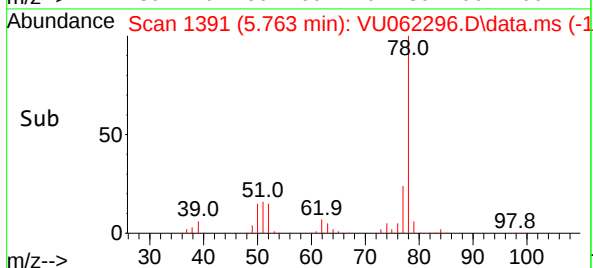
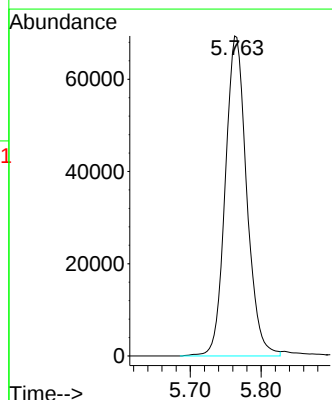
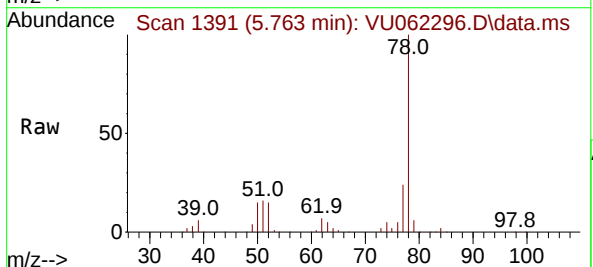
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

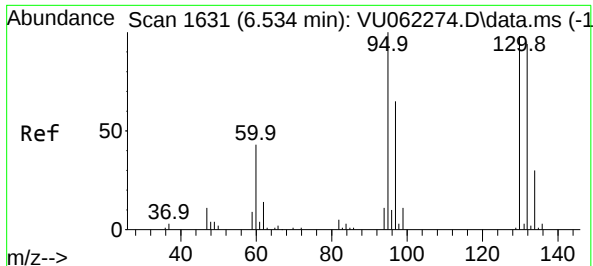
Tgt Ion:117 Resp: 60498
Ion Ratio Lower Upper
117 100
119 97.2 77.5 116.3



#33
Benzene
Concen: 5.321 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 78 Resp: 145675



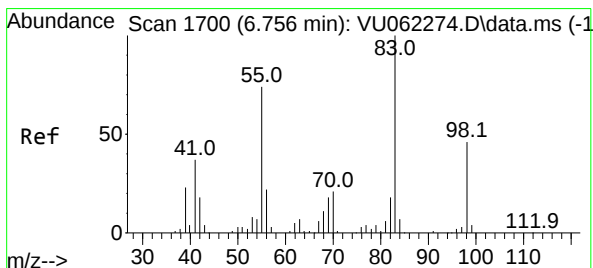
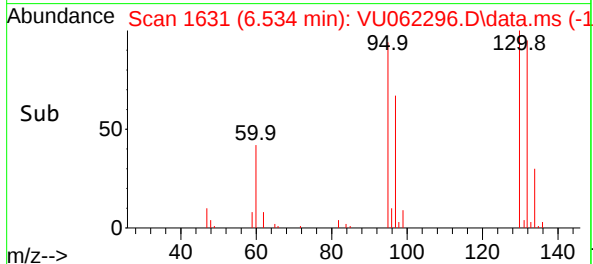
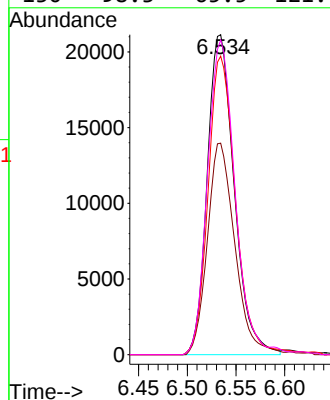
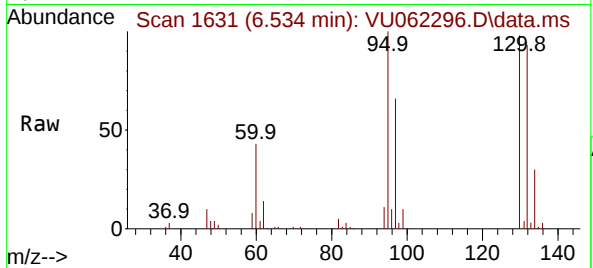


#34
Trichloroethene
Concen: 5.248 ug/L
RT: 6.534 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

Tgt Ion: 95 Resp: 40704

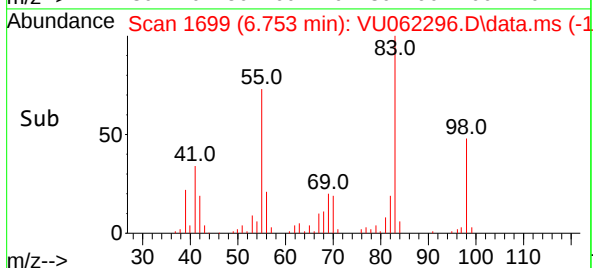
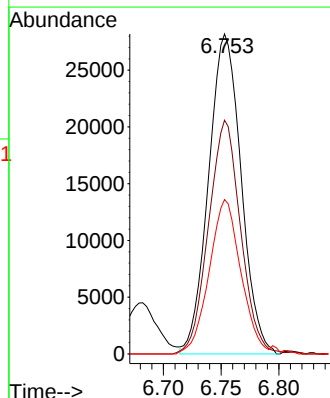
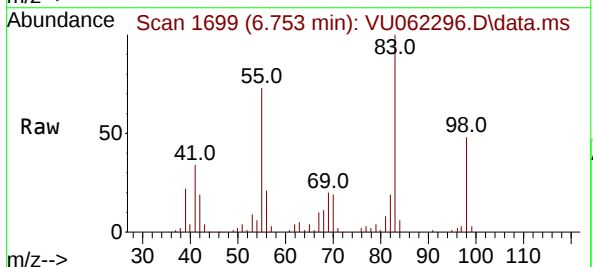
Ion	Ratio	Lower	Upper
95	100		
97	66.1	45.9	85.3
132	93.3	63.8	118.4
130	98.3	65.5	121.7

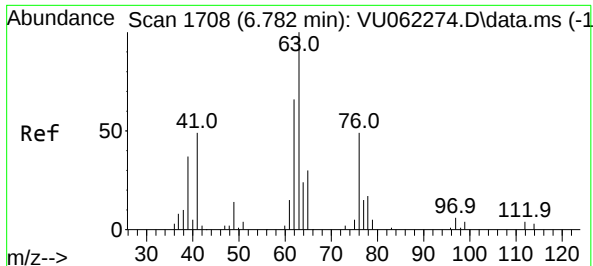


#35
Methylcyclohexane
Concen: 4.811 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 83 Resp: 55320

Ion	Ratio	Lower	Upper
83	100		
55	71.7	60.7	91.1
98	46.8	34.8	52.2

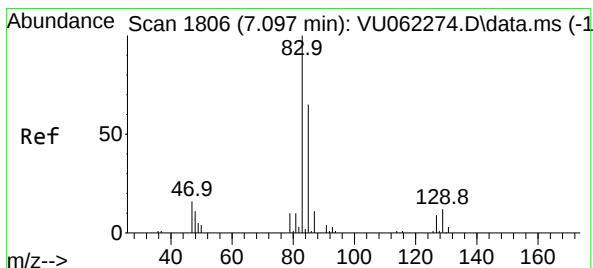
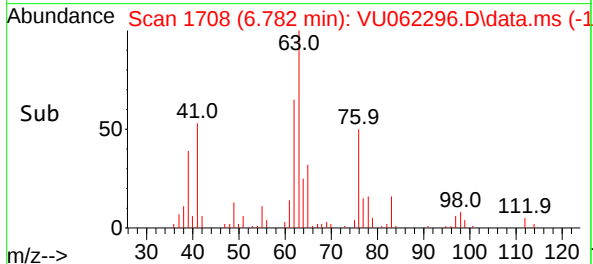
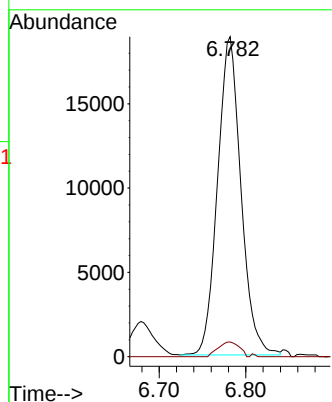
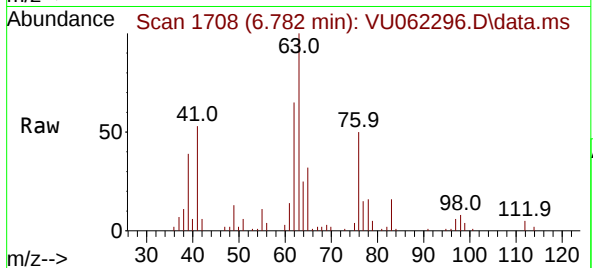




#37
1,2-Dichloropropane
Concen: 5.315 ug/L
RT: 6.782 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

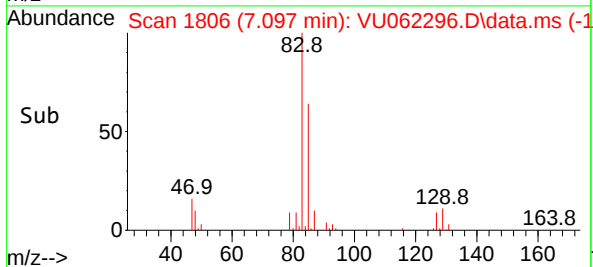
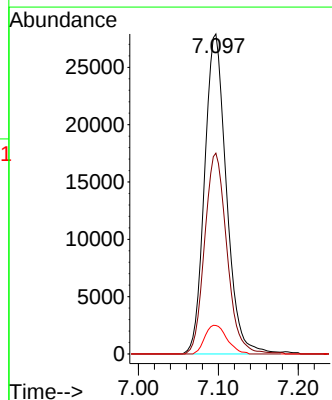
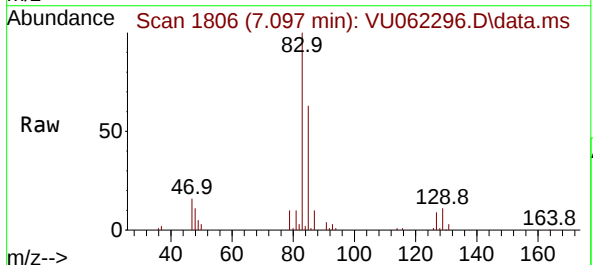
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

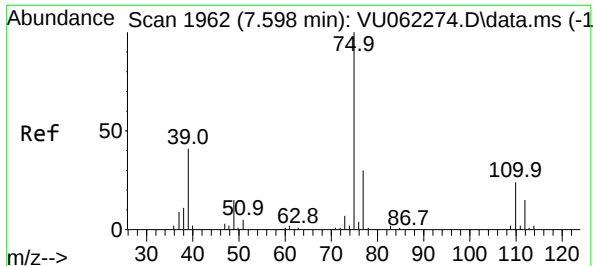
Tgt Ion: 63 Resp: 35440
Ion Ratio Lower Upper
63 100
112 4.2 3.4 5.0



#38
Bromodichloromethane
Concen: 5.641 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 83 Resp: 53067
Ion Ratio Lower Upper
83 100
85 62.8 44.1 81.9
127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.283 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

Instrument :

MSVOA_U

ClientSampleId :

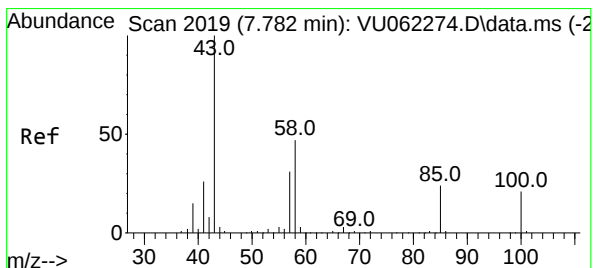
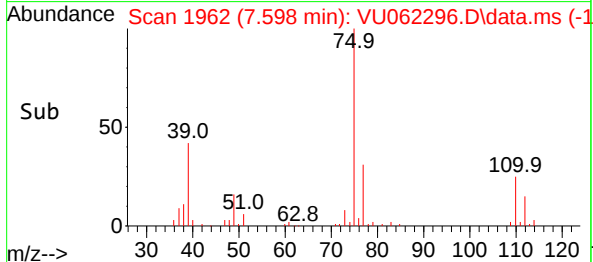
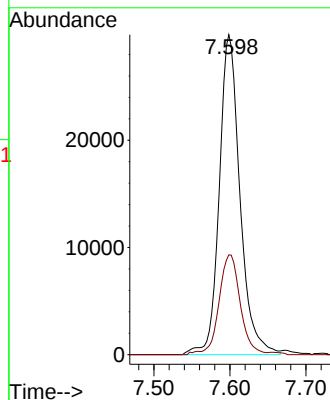
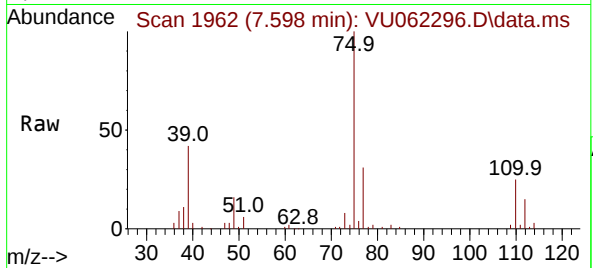
VSTD005184

Tgt Ion: 75 Resp: 56462

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 55.600 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

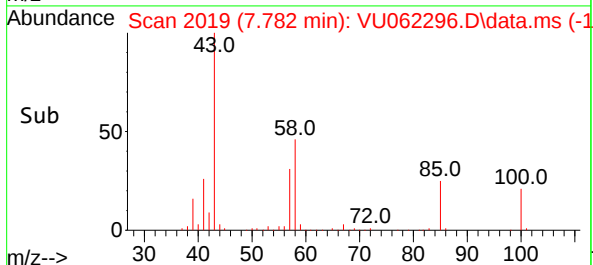
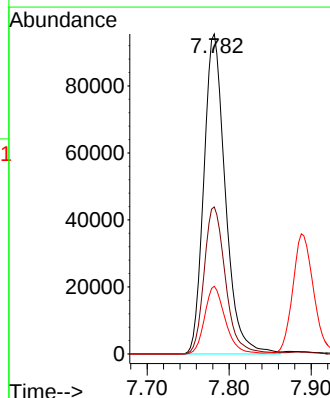
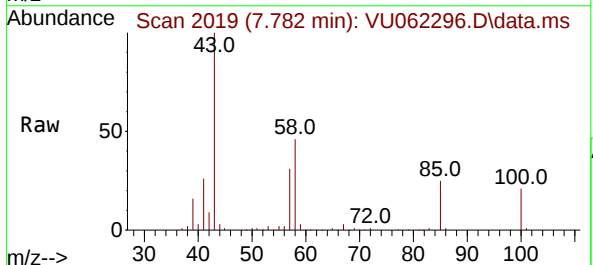
Tgt Ion: 43 Resp: 173746

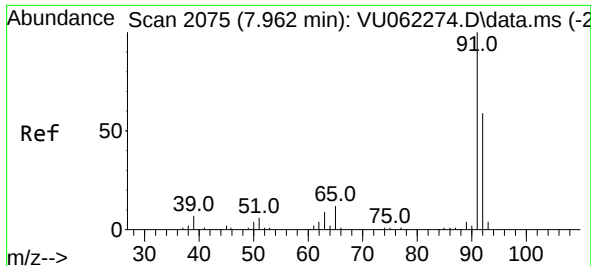
Ion Ratio Lower Upper

43 100

58 45.8 33.3 49.9

100 20.3 12.4 18.6#





#42

Toluene

Concen: 5.390 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

Instrument :

MSVOA_U

ClientSampleId :

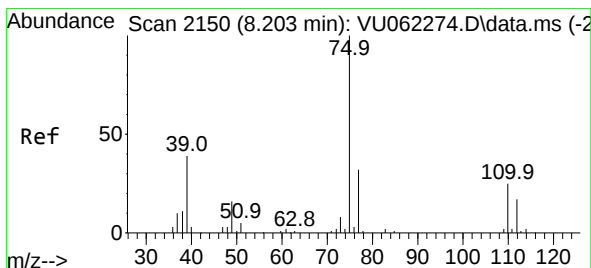
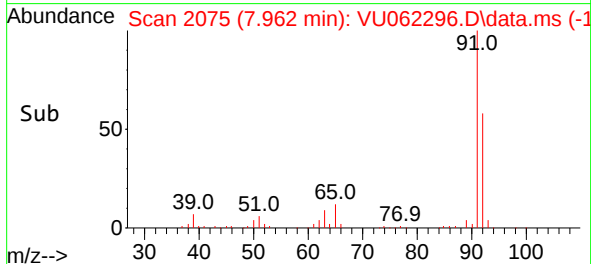
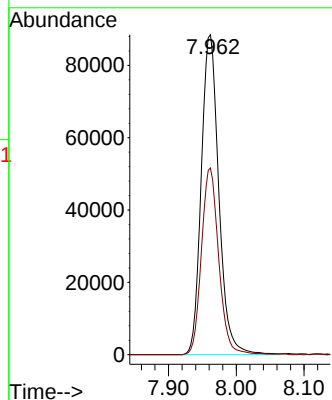
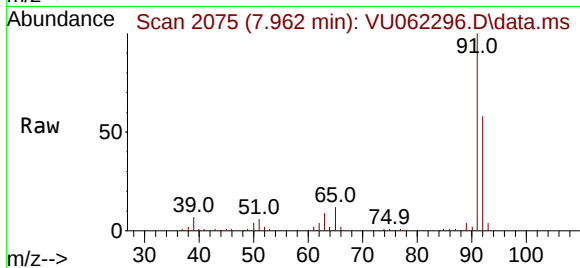
VSTD005184

Tgt Ion: 91 Resp: 159146

Ion Ratio Lower Upper

91 100

92 58.4 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.511 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU062296.D

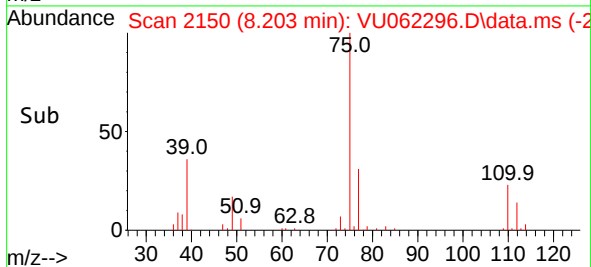
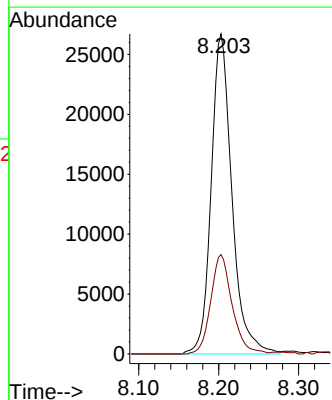
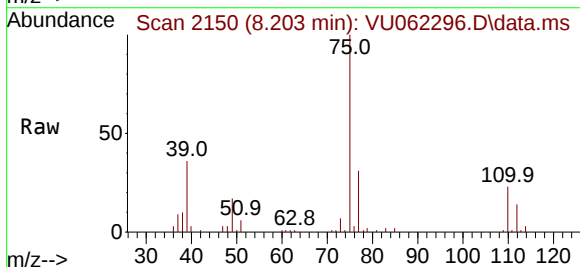
Acq: 12 Dec 2024 18:33

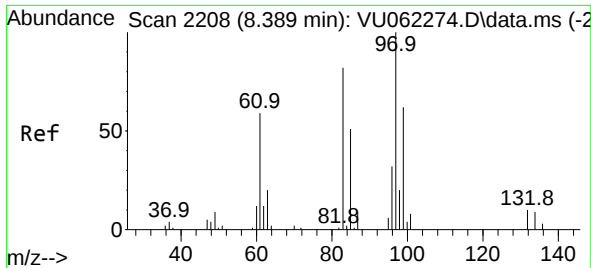
Tgt Ion: 75 Resp: 48097

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4



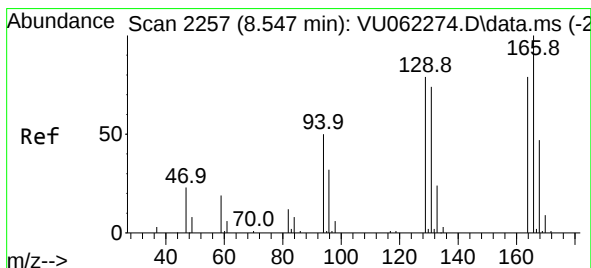
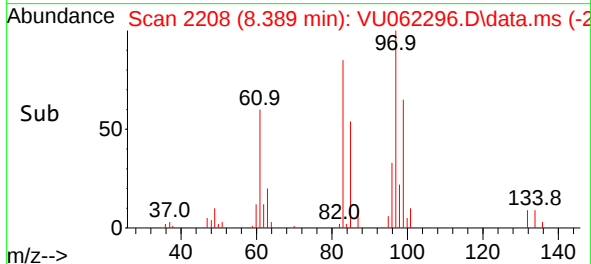
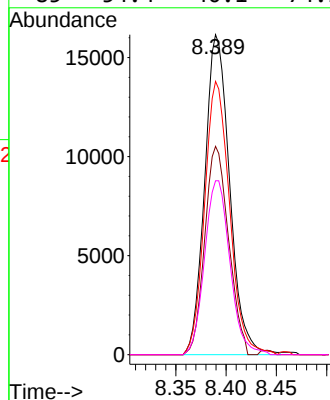
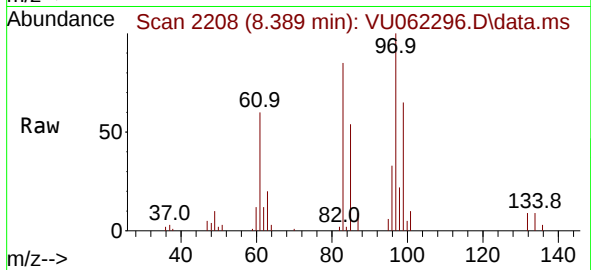


#45
1,1,2-Trichloroethane
Concen: 5.541 ug/L
RT: 8.389 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

Tgt Ion: 97 Resp: 27892

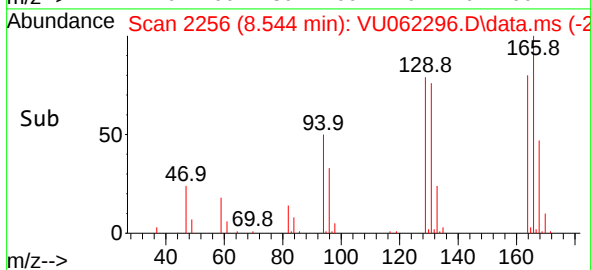
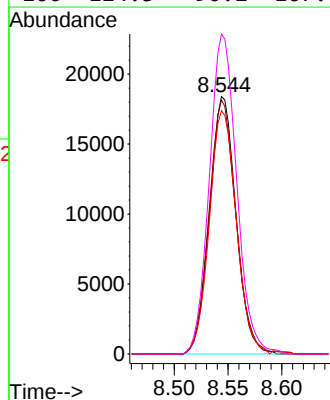
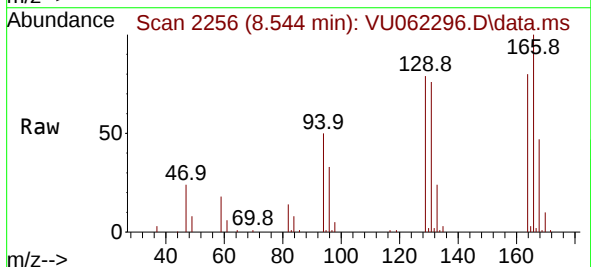
Ion	Ratio	Lower	Upper
97	100		
99	65.1	43.0	79.8
83	85.4	61.7	114.5
85	54.4	40.1	74.5

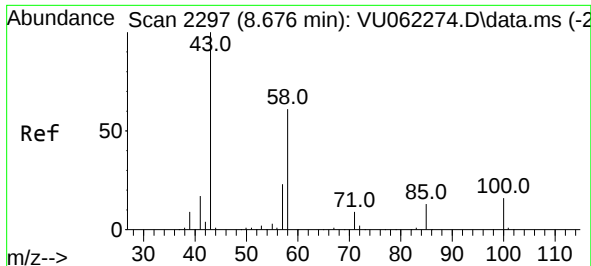


#47
Tetrachloroethene
Concen: 5.270 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 164 Resp: 31558

Ion	Ratio	Lower	Upper
164	100		
129	98.6	73.2	136.0
131	94.5	72.3	134.3
166	124.3	90.2	167.4

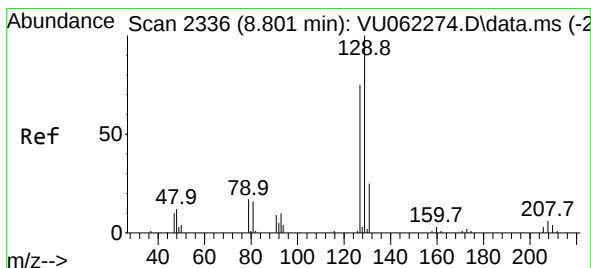
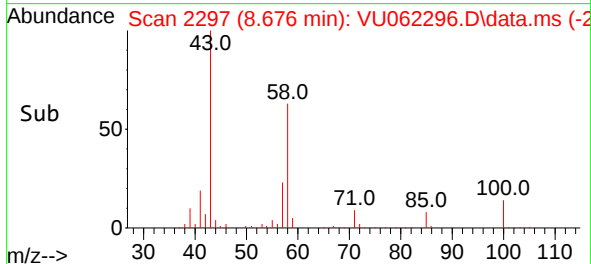
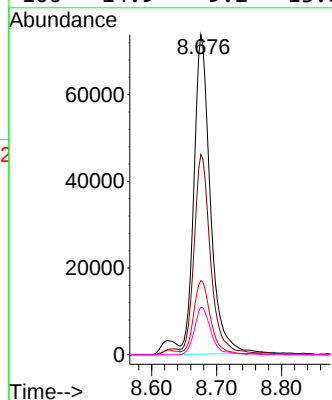
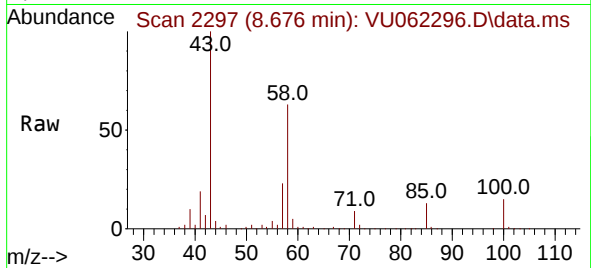




#48
2-Hexanone
Concen: 56.200 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

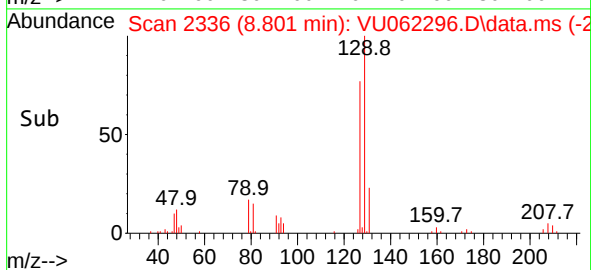
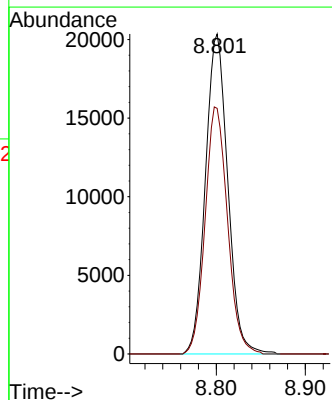
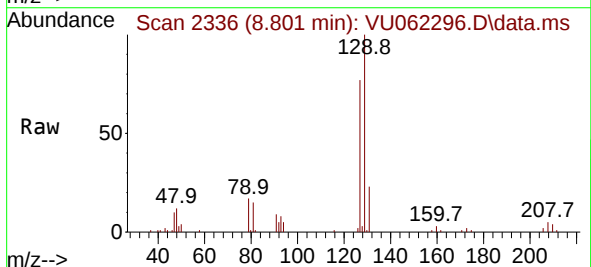
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

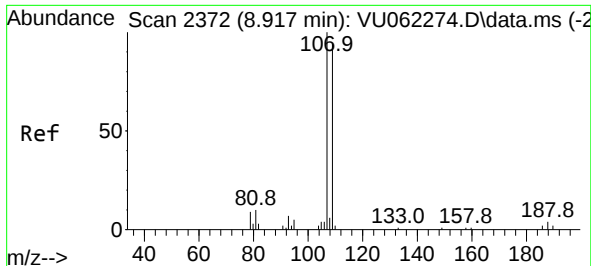
Tgt Ion: 43 Resp: 129789
Ion Ratio Lower Upper
43 100
58 61.9 47.5 71.3
57 23.3 15.6 23.4
100 14.9 9.2 13.8#



#49
Dibromochloromethane
Concen: 5.825 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 129 Resp: 35425
Ion Ratio Lower Upper
129 100
127 76.8 51.1 94.9

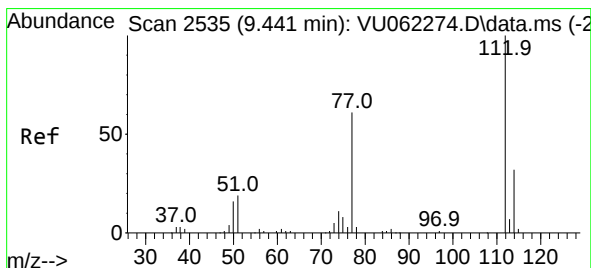
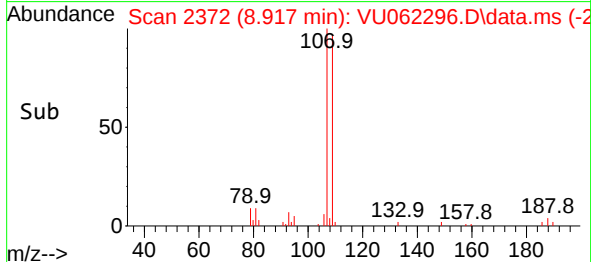
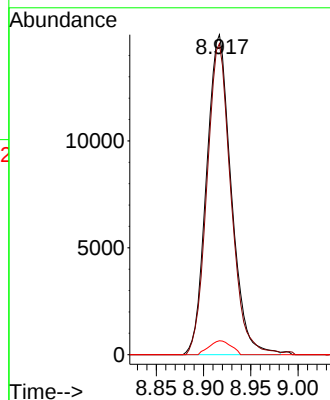
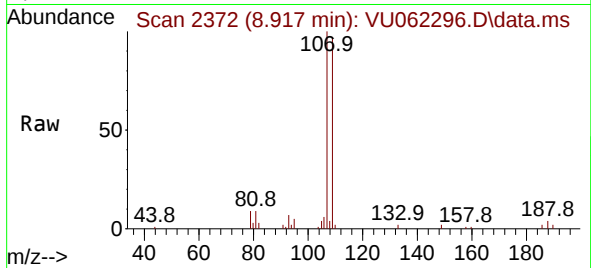




#50
1,2-Dibromoethane
Concen: 5.633 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

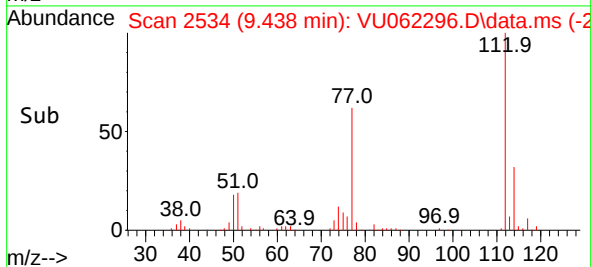
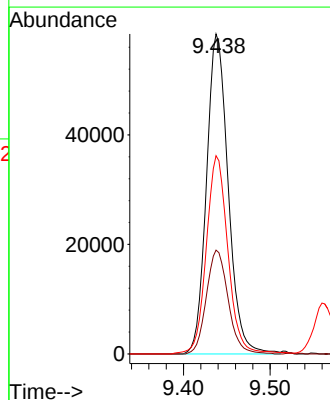
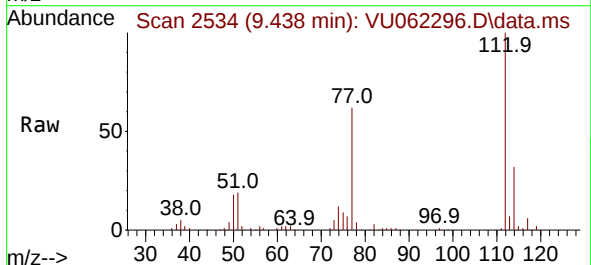
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

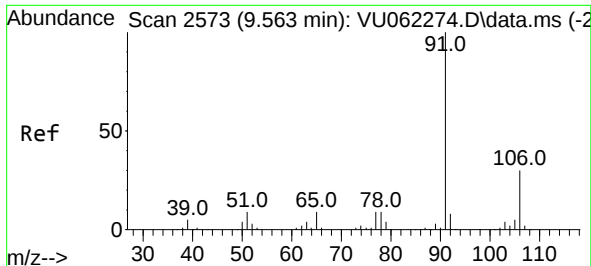
Tgt Ion:107 Resp: 27246
Ion Ratio Lower Upper
107 100
109 97.2 66.8 124.2
188 4.3 2.3 3.5#



#51
Chlorobenzene
Concen: 5.371 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.003 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion:112 Resp: 101599
Ion Ratio Lower Upper
112 100
114 32.4 23.0 42.6
77 62.0 50.5 75.7

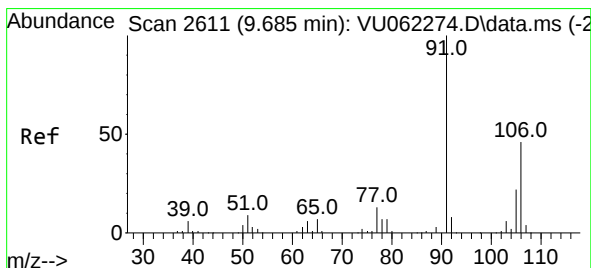
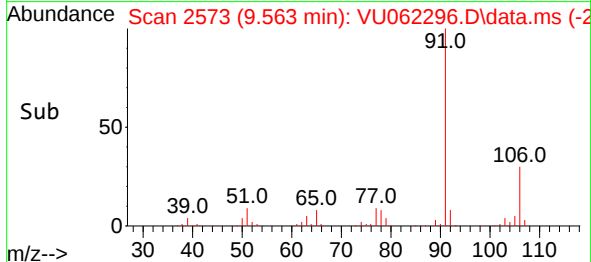
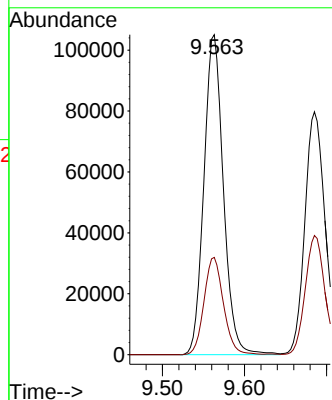
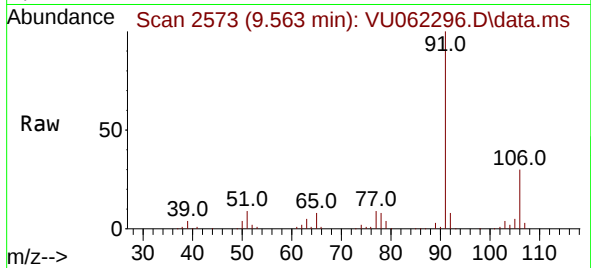




#52
Ethylbenzene
Concen: 5.239 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

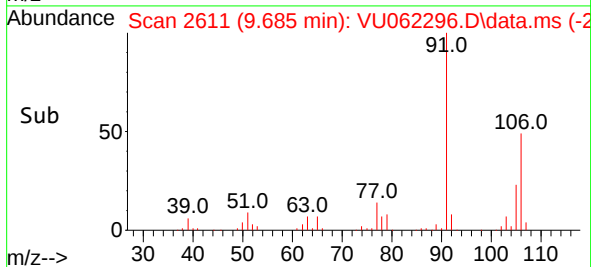
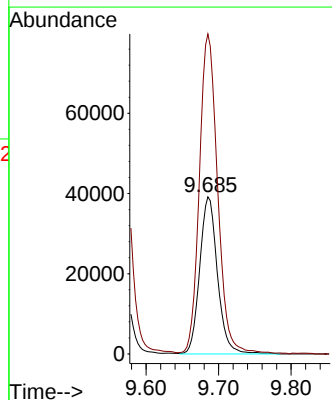
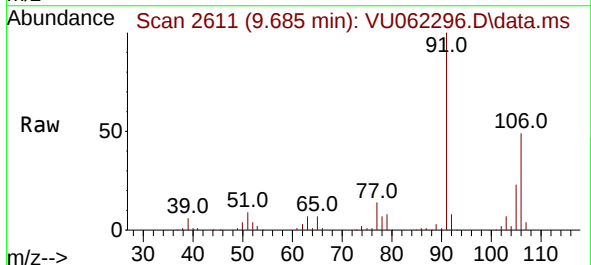
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

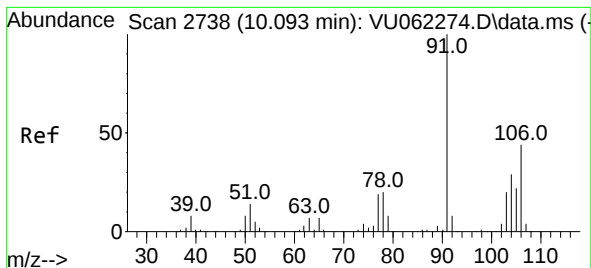
Tgt Ion: 91 Resp: 173421
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.0



#53
m,p-Xylene
Concen: 5.453 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion: 106 Resp: 66646
Ion Ratio Lower Upper
106 100
91 203.8 147.6 274.0





#54

o-Xylene

Concen: 5.382 ug/L

RT: 10.090 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

Instrument :

MSVOA_U

ClientSampleId :

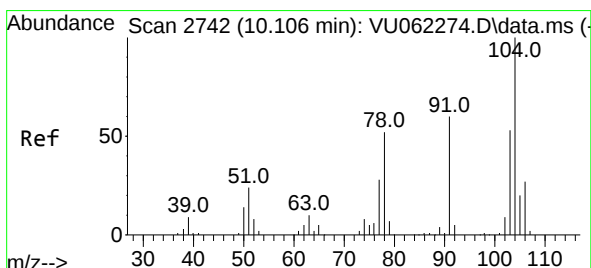
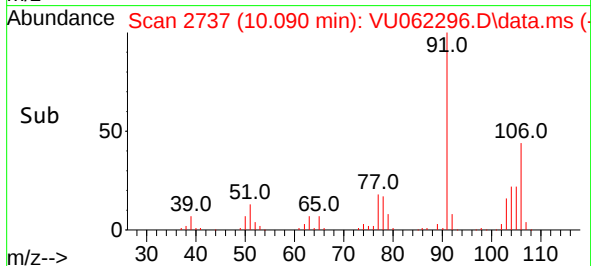
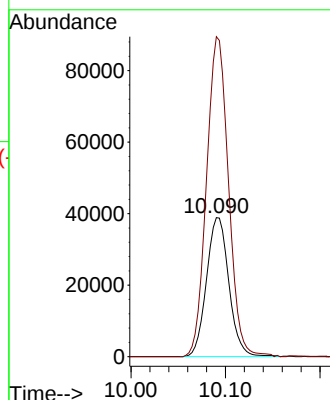
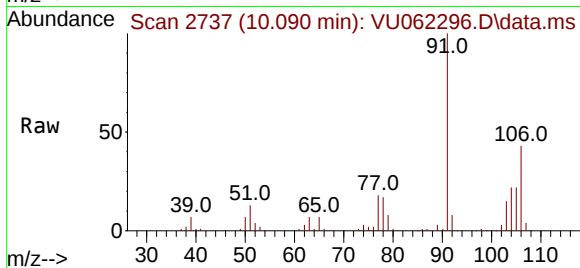
VSTD005184

Tgt Ion:106 Resp: 63974

Ion Ratio Lower Upper

106 100

91 230.1 159.8 296.8



#55

Styrene

Concen: 5.555 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. 0.000 min

Lab File: VU062296.D

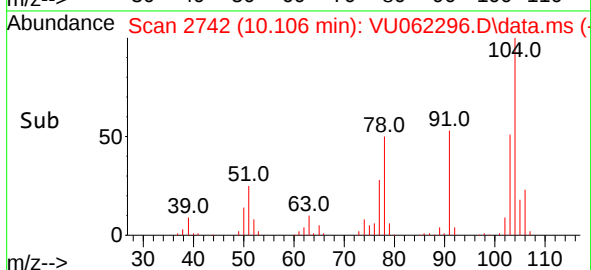
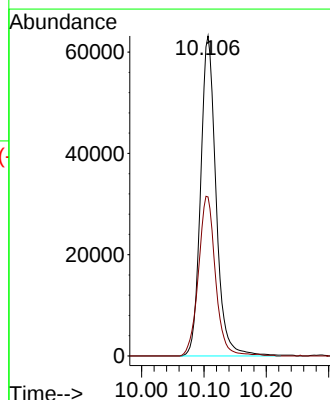
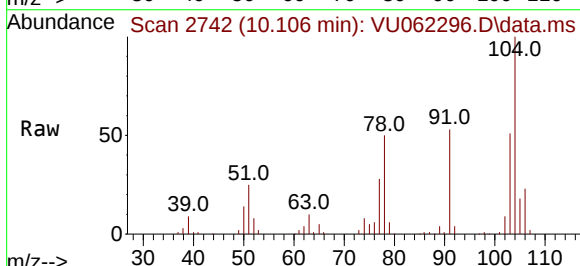
Acq: 12 Dec 2024 18:33

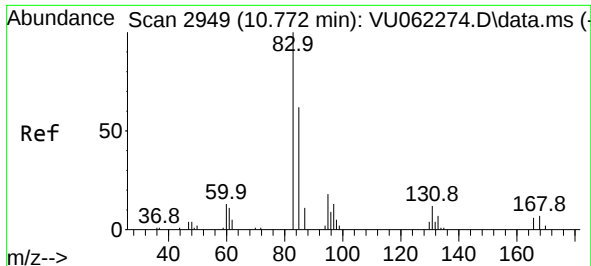
Tgt Ion:104 Resp: 108841

Ion Ratio Lower Upper

104 100

78 49.7 33.2 61.7

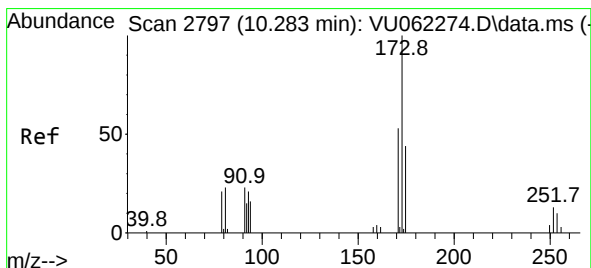
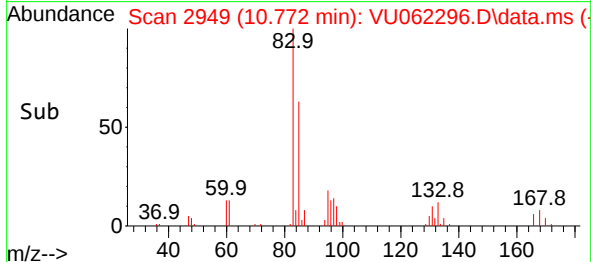
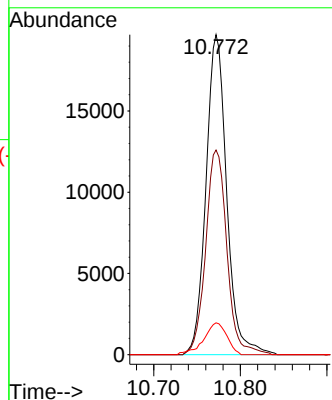
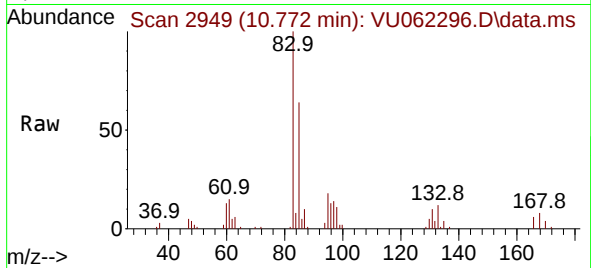




#57
1,1,2,2-Tetrachloroethane
Concen: 5.591 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

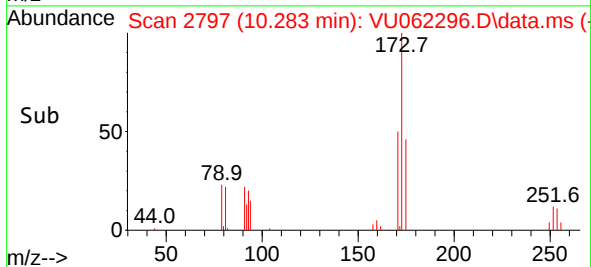
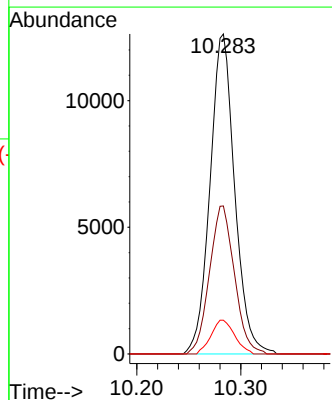
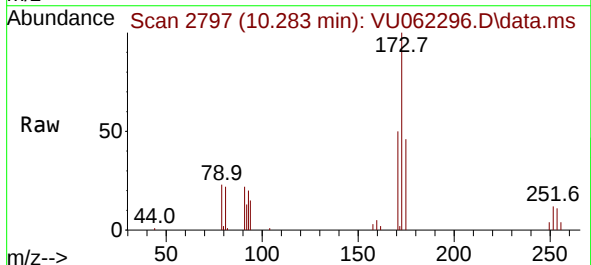
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

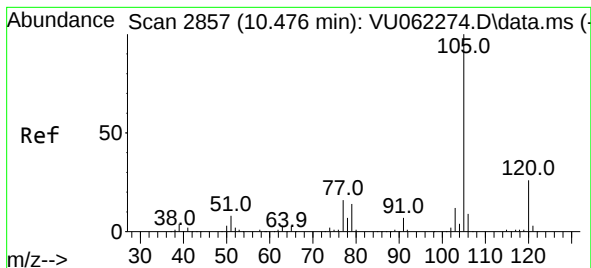
Tgt Ion: 83 Resp: 32754
Ion Ratio Lower Upper
83 100
85 64.0 44.4 82.4
131 10.0 7.3 10.9



#59
Bromoform
Concen: 5.830 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion:173 Resp: 20826
Ion Ratio Lower Upper
173 100
175 46.7 39.0 58.4
254 10.1 7.4 11.0





#60

Isopropylbenzene

Concen: 5.273 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005184

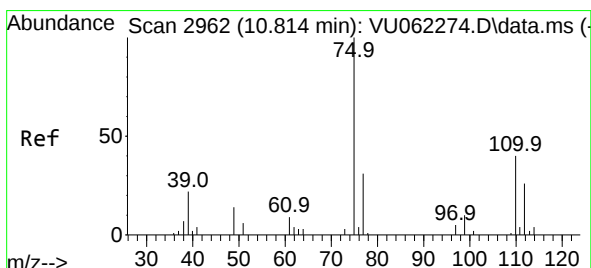
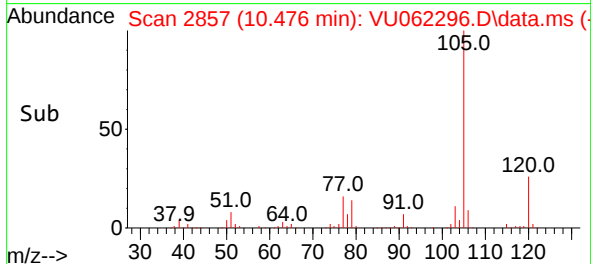
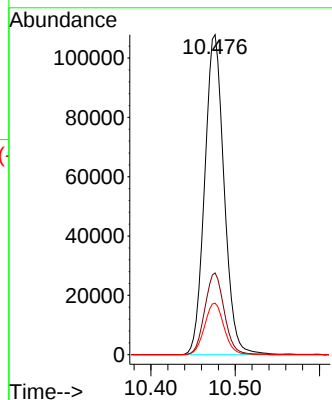
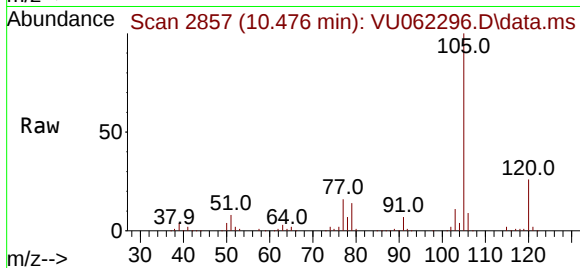
Tgt Ion:105 Resp: 173142

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

77 16.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 5.538 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

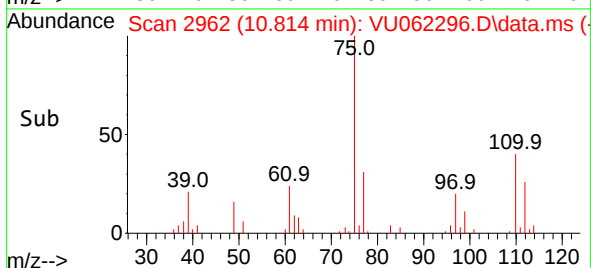
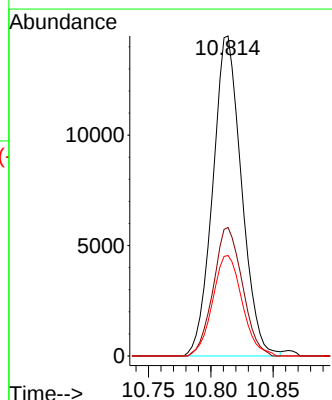
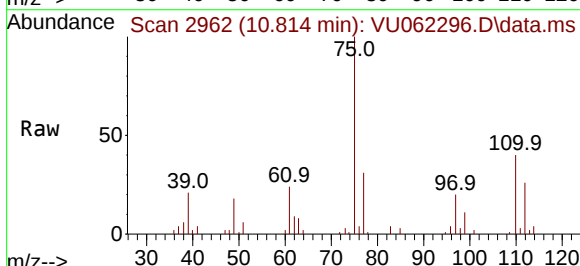
Tgt Ion: 75 Resp: 23280

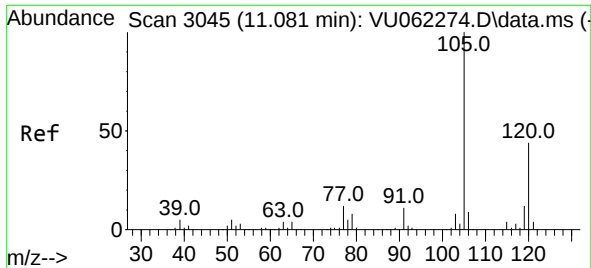
Ion Ratio Lower Upper

75 100

110 40.5 28.9 43.3

77 32.3 26.5 39.7

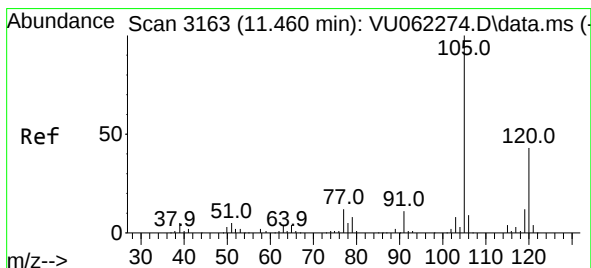
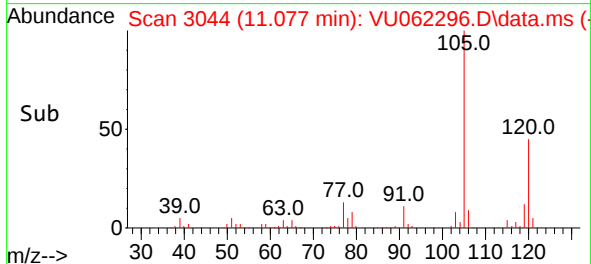
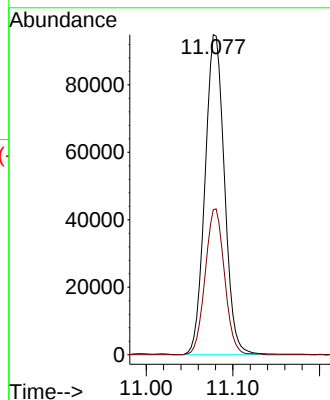
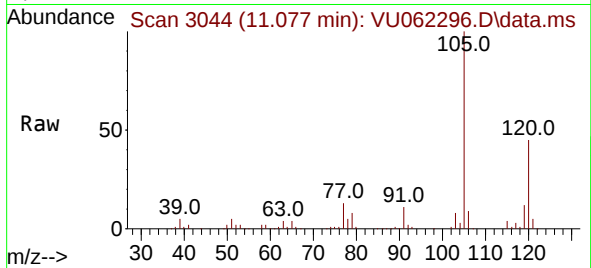




#62
1,3,5-Trimethylbenzene
Concen: 5.333 ug/L
RT: 11.077 min Scan# 3045
Delta R.T. -0.003 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

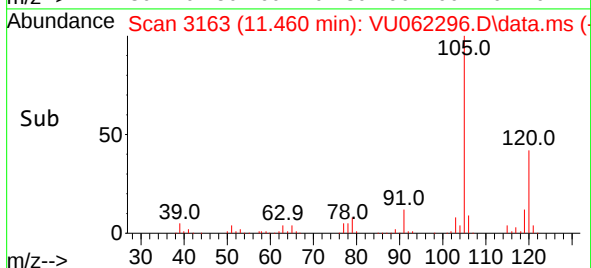
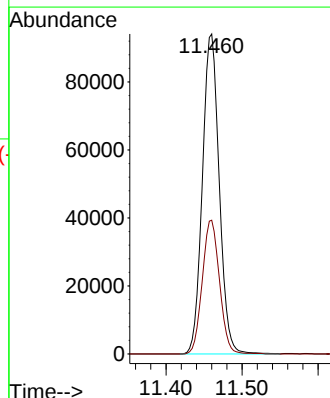
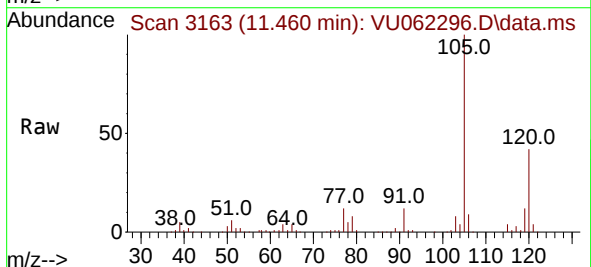
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

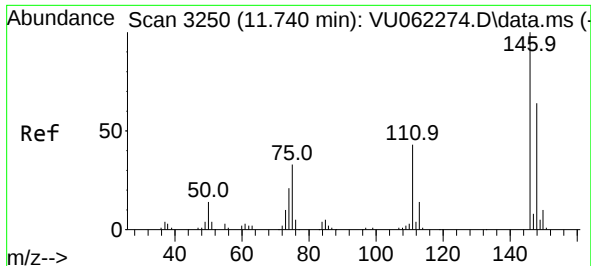
Tgt Ion:105 Resp: 148196
Ion Ratio Lower Upper
105 100
120 45.2 36.7 55.1



#63
1,2,4-Trimethylbenzene
Concen: 5.318 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion:105 Resp: 144800
Ion Ratio Lower Upper
105 100
120 42.6 34.7 52.1

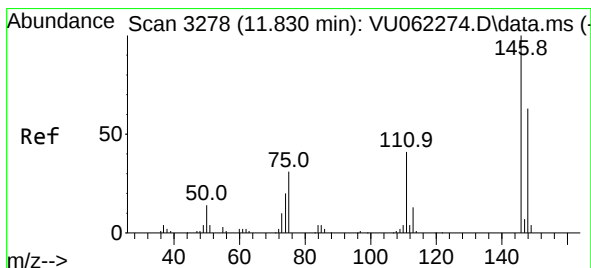
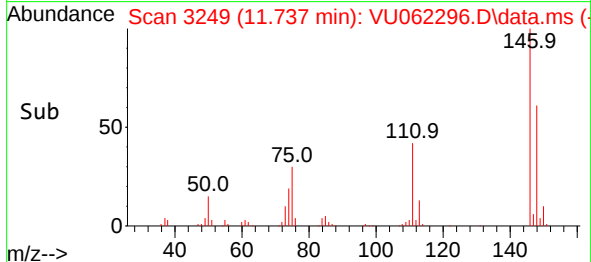
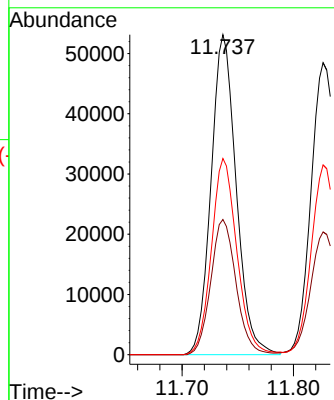
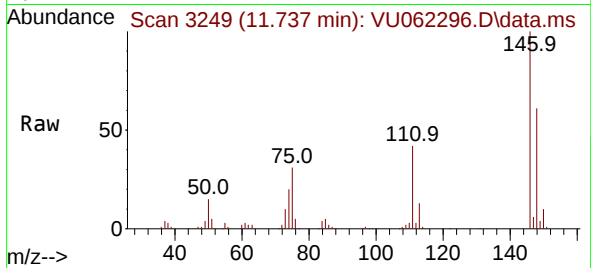




#64
1,3-Dichlorobenzene
Concen: 5.527 ug/L
RT: 11.737 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

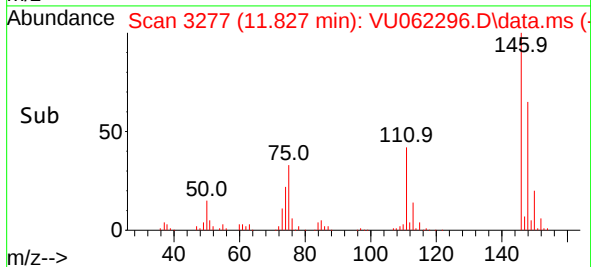
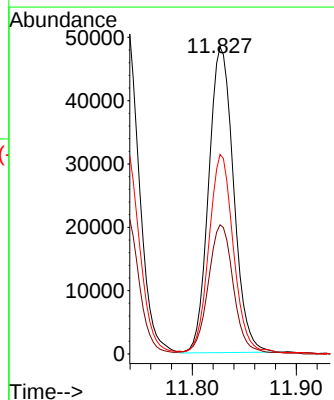
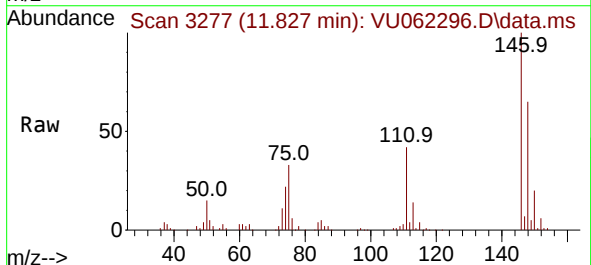
Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

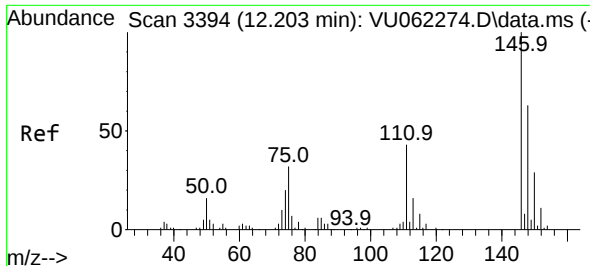
Tgt Ion:146 Resp: 83367
Ion Ratio Lower Upper
146 100
111 42.3 30.7 57.1
148 61.3 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 5.302 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion:146 Resp: 80531
Ion Ratio Lower Upper
146 100
111 42.0 29.3 54.3
148 65.0 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.556 ug/L

RT: 12.203 min Scan# 3394

Delta R.T. 0.000 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005184

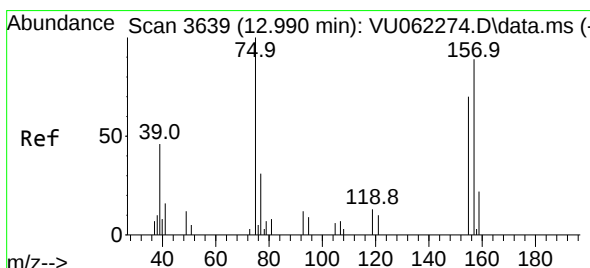
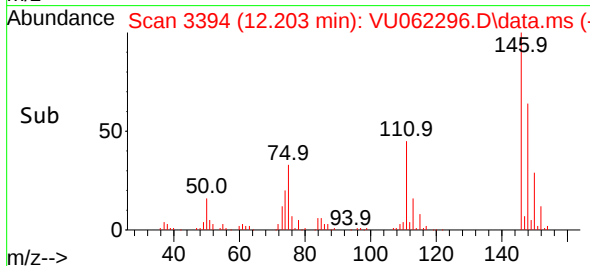
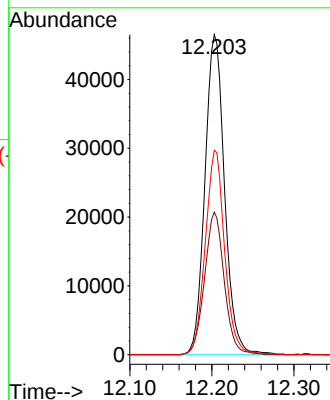
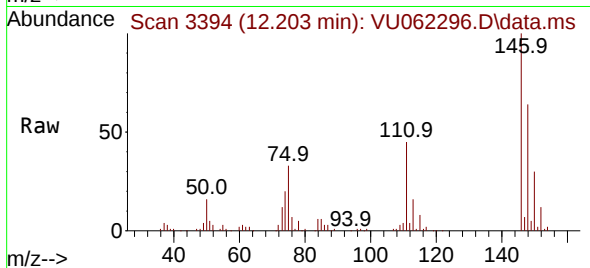
Tgt Ion:146 Resp: 77450

Ion Ratio Lower Upper

146 100

111 44.6 36.0 54.0

148 63.9 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 6.020 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU062296.D

Acq: 12 Dec 2024 18:33

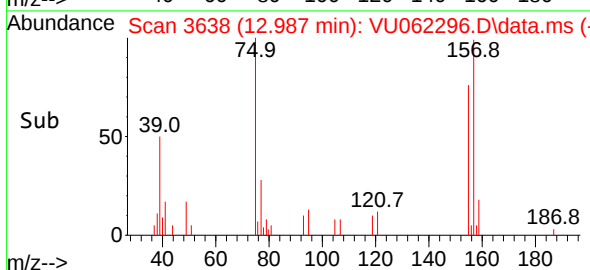
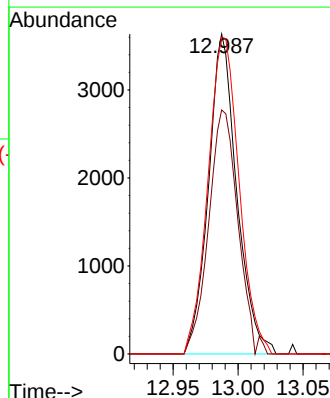
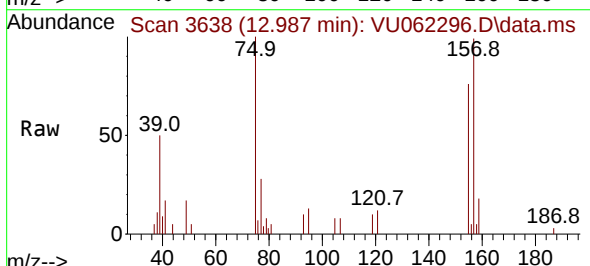
Tgt Ion: 75 Resp: 5520

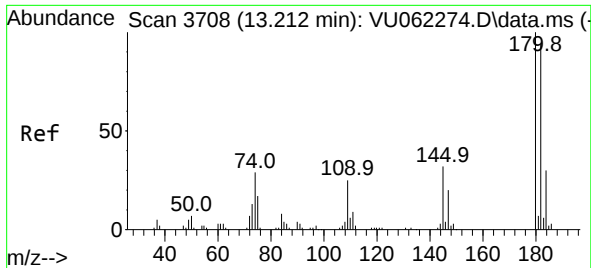
Ion Ratio Lower Upper

75 100

155 76.3 55.2 82.8

157 99.0 73.5 110.3

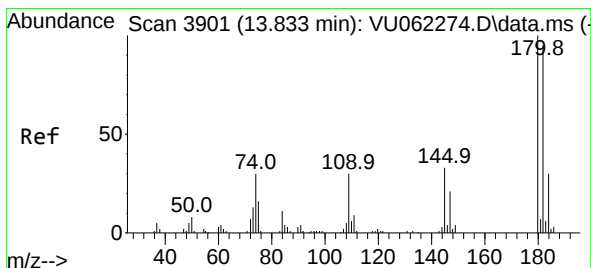
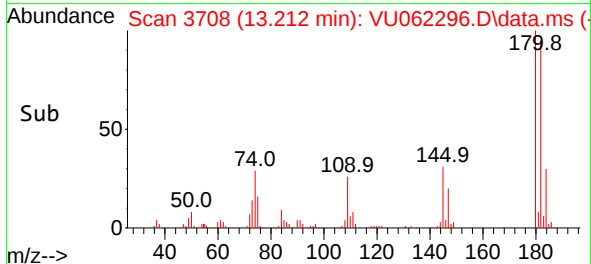
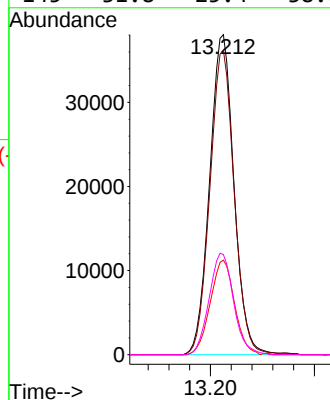
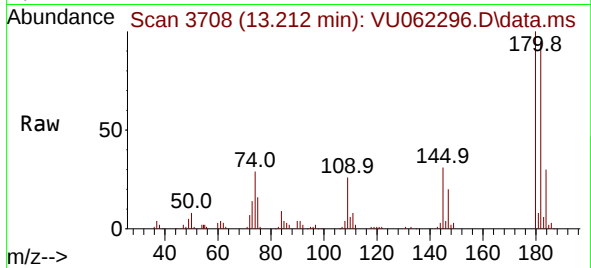




#69
 1,3,5-Trichlorobenzene
 Concen: 5.513 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU062296.D
 Acq: 12 Dec 2024 18:33

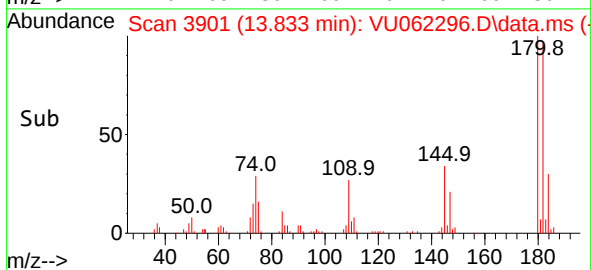
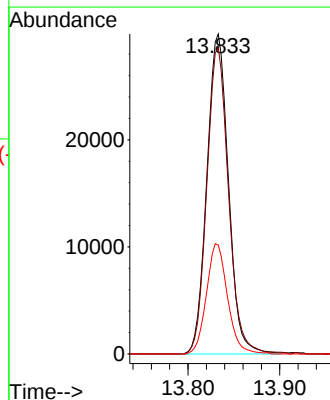
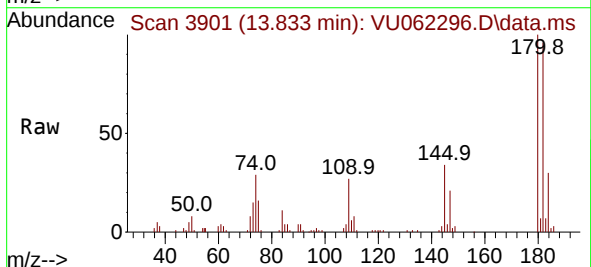
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005184

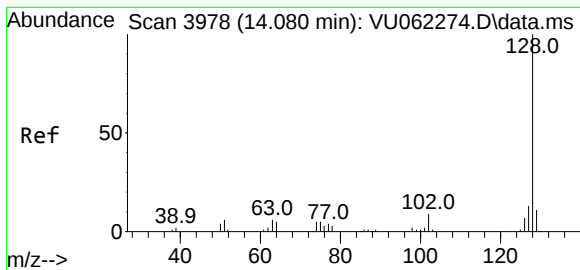
Tgt Ion:	180	Resp:	61821
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.7	115.1
184	29.5	24.8	37.2
145	31.8	25.4	38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.534 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU062296.D
 Acq: 12 Dec 2024 18:33

Tgt Ion:	180	Resp:	48989
Ion Ratio	Lower	Upper	
180	100		
182	96.0	74.5	111.7
145	33.6	25.6	38.4

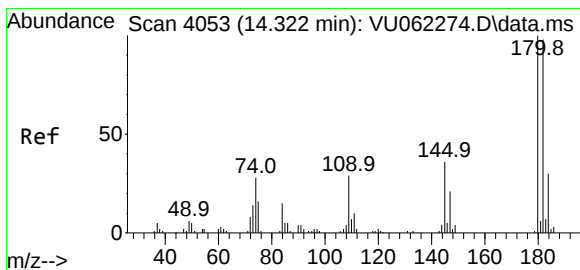
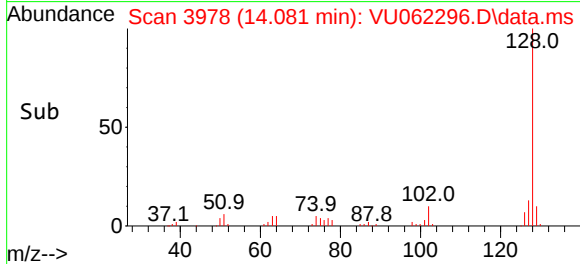
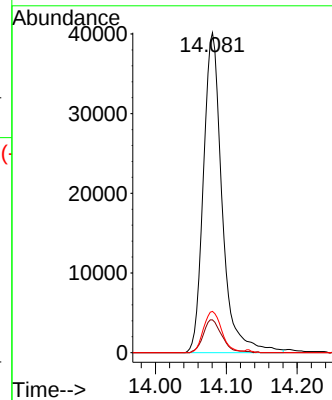
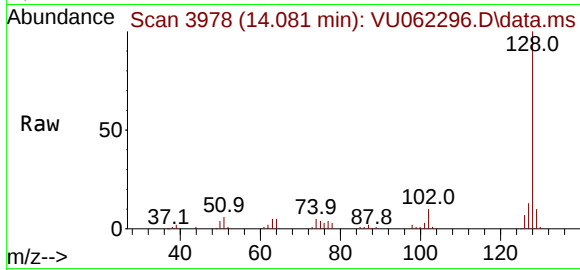




#71
Naphthalene
Concen: 5.539 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD005184

Tgt Ion:	128	Resp:	73629
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.5	12.7
127	12.6	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.422 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. 0.000 min
Lab File: VU062296.D
Acq: 12 Dec 2024 18:33

Tgt Ion:	180	Resp:	42331
Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.1	114.1
145	35.3	27.4	41.0

