

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080124\
 Data File : VU060286.D
 Acq On : 01 Aug 2024 09:13
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050091

Quant Time: Aug 02 02:24:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 00:19:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	237014	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240378	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	117863	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87002	57.171	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.340%
7) Chloroethane-d5	1.901	69	68534	53.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.080%
11) 1,1-Dichloroethene-d2	2.560	63	130913	48.423	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.840%
21) 2-Butanone-d5	4.611	46	107387	101.540	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.540%
24) Chloroform-d	5.055	84	146188	49.606	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.220%
26) 1,2-Dichloroethane-d4	5.692	65	84298	48.108	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.220%
32) Benzene-d6	5.718	84	291842	47.413	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.820%
36) 1,2-Dichloropropane-d6	6.682	67	96380	50.591	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.180%
41) Toluene-d8	7.891	98	263857	45.076	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.160%
43) trans-1,3-Dichloroprop...	8.174	79	37212	41.743	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.480%
47) 2-Hexanone-d5	8.624	63	67741	84.373	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.370%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	143079	48.932	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.860%
66) 1,2-Dichlorobenzene-d4	12.187	152	93784	43.301	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	58423	39.690	ug/L	99
3) Chloromethane	1.518	50	72553	50.229	ug/L	94
5) Vinyl chloride	1.602	62	78977	46.576	ug/L	99
6) Bromomethane	1.843	94	50746	56.974	ug/L	98
8) Chloroethane	1.924	64	53267	48.252	ug/L	98
9) Trichlorofluoromethane	2.132	101	109229	46.269	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	71709	47.721	ug/L	96
12) 1,1-Dichloroethene	2.573	96	63430	45.135	ug/L	95
13) Acetone	2.618	43	74961	68.833	ug/L	95
14) Carbon disulfide	2.788	76	136811	38.571	ug/L	98
15) Methyl Acetate	2.940	43	91394	55.663	ug/L	93
16) Methylene chloride	3.036	84	87749	49.516	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	63873	44.148	ug/L	94
18) Methyl tert-butyl Ether	3.354	73	226259	48.150	ug/L	97
19) 1,1-Dichloroethane	3.859	63	146107	53.246	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	81925	46.763	ug/L	97
22) 2-Butanone	4.692	43	123023	91.817	ug/L	97
23) Bromochloromethane	4.965	128	42646	46.150	ug/L #	91
25) Chloroform	5.078	83	154333	52.267	ug/L	98

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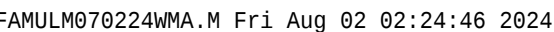
Instrument :
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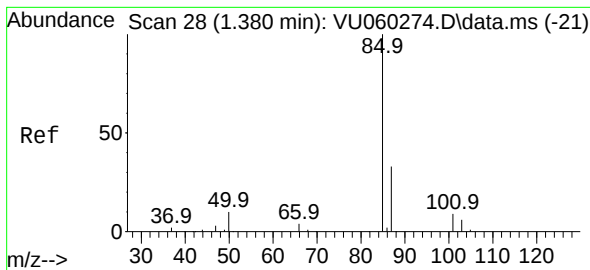
Quant Time: Aug 02 02:24:35 2024
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 00:19:02 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	109670	48.924	ug/L	99
29) Cyclohexane	5.380	56	90361	41.982	ug/L	94
30) 1,1,1-Trichloroethane	5.306	97	117959	47.369	ug/L	99
31) Carbon tetrachloride	5.518	117	100554	48.883	ug/L	99
33) Benzene	5.766	78	322992	49.759	ug/L	100
34) Trichloroethene	6.534	95	79687	46.003	ug/L	94
35) Methylcyclohexane	6.756	83	94914	39.675	ug/L	93
37) 1,2-Dichloropropane	6.785	63	95569	53.489	ug/L	99
38) Bromodichloromethane	7.097	83	118202	52.213	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	115941	42.413	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	241861	107.103	ug/L	98
42) Toluene	7.962	91	341974	48.258	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	109820	43.736	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	95113	50.831	ug/L	98
46) Tetrachloroethene	8.547	164	57064	40.045	ug/L	95
48) 2-Hexanone	8.676	43	191619	101.389	ug/L	99
49) Dibromochloromethane	8.801	129	92504	50.174	ug/L	100
50) 1,2-Dibromoethane	8.917	107	94090	48.093	ug/L	100
51) Chlorobenzene	9.441	112	216651	46.052	ug/L	97
52) Ethylbenzene	9.563	91	352047	46.521	ug/L	96
53) m,p-Xylene	9.688	106	131371	44.586	ug/L	99
54) o-Xylene	10.094	106	130882	46.193	ug/L	95
55) Styrene	10.110	104	240235	50.257	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	168269	53.325	ug/L	99
59) Bromoform	10.283	173	73450	51.540	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	125481	56.097	ug/L	98
61) Isopropylbenzene	10.479	105	341926	49.768	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	241944	48.104	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	258909	48.059	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	170059	47.727	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	172792	46.911	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	172575	47.945	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	32482	53.098	ug/L	88
69) 1,3,5-Trichlorobenzene	13.212	180	110412	42.979	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	88207	38.095	ug/L	98
71) Naphthalene	14.081	128	255105	38.125	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	94879	40.841	ug/L	99

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

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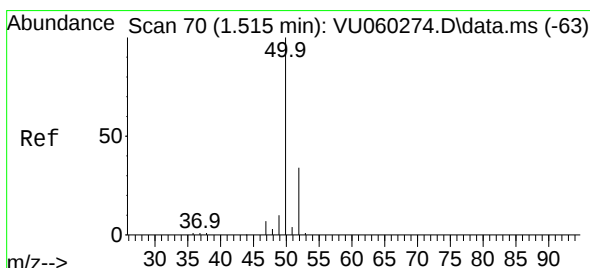
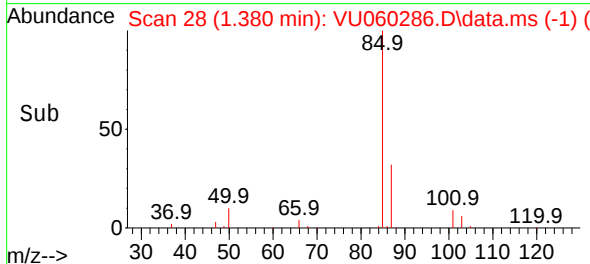
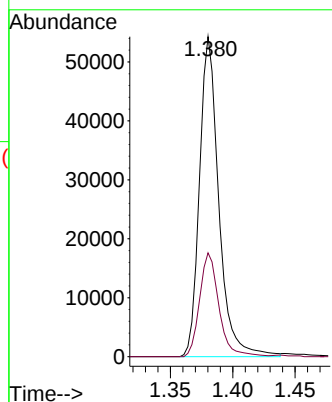
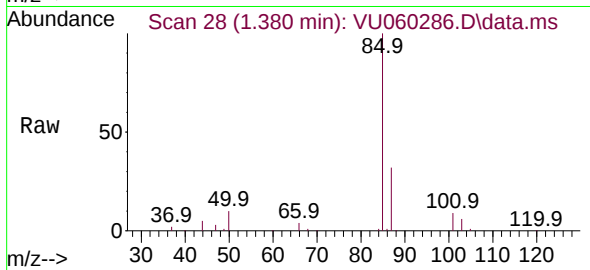




#2
 Dichlorodifluoromethane
 Concen: 39.690 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU060286.D
 Acq: 01 Aug 2024 09:13

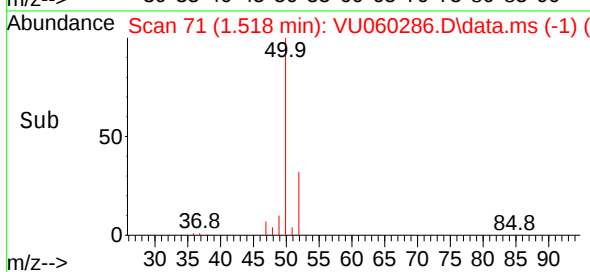
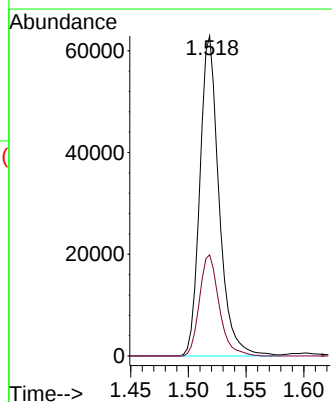
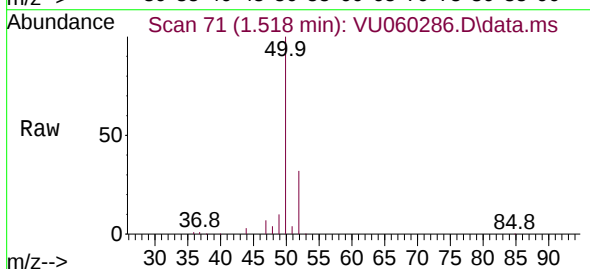
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050091

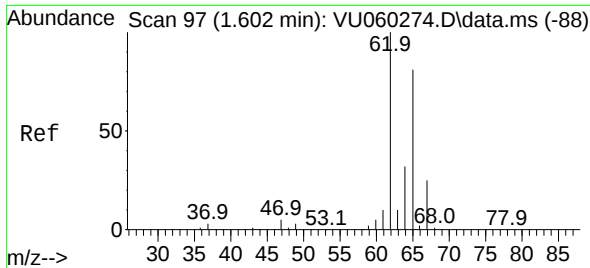
Tgt Ion: 85 Resp: 58423
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.4 38.2



#3
 Chloromethane
 Concen: 50.229 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU060286.D
 Acq: 01 Aug 2024 09:13

Tgt Ion: 50 Resp: 72553
 Ion Ratio Lower Upper
 50 100
 52 31.6 24.5 45.5

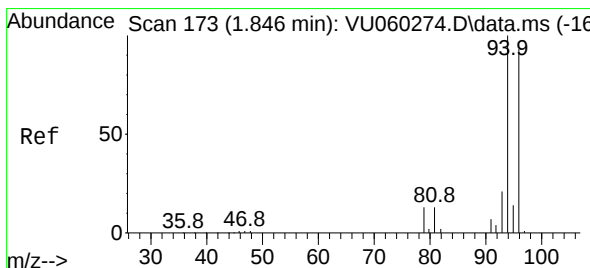
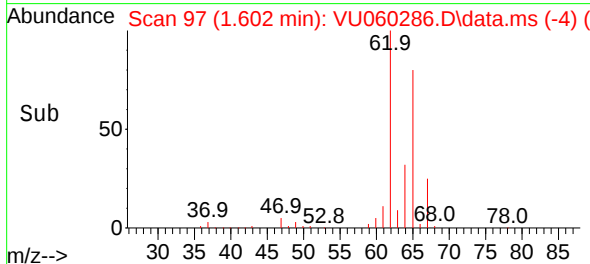
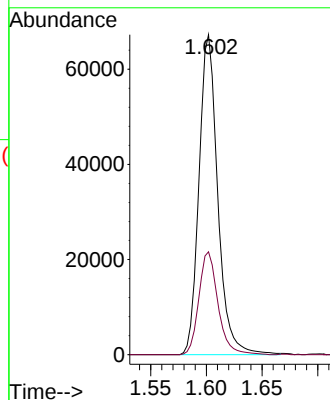
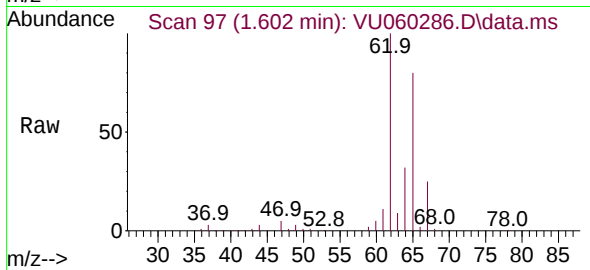




#5
 Vinyl chloride
 Concen: 46.576 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU060286.D
 Acq: 01 Aug 2024 09:13

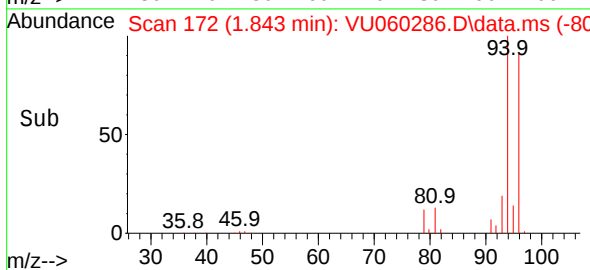
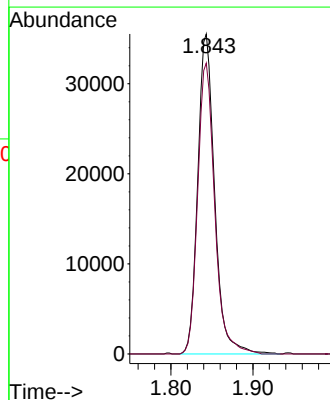
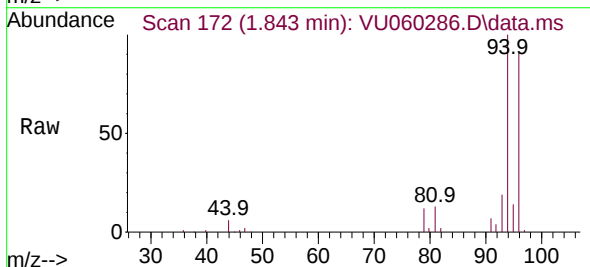
Instrument :
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 ClientSampleId :
 VSTD050091

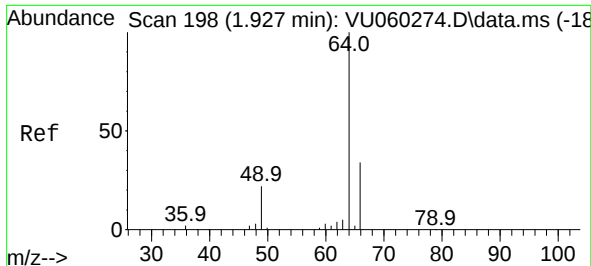
Tgt Ion: 62 Resp: 78977
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.9 42.5



#6
 Bromomethane
 Concen: 56.974 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. -0.003 min
 Lab File: VU060286.D
 Acq: 01 Aug 2024 09:13

Tgt Ion: 94 Resp: 50746
 Ion Ratio Lower Upper
 94 100
 96 90.9 65.2 121.2

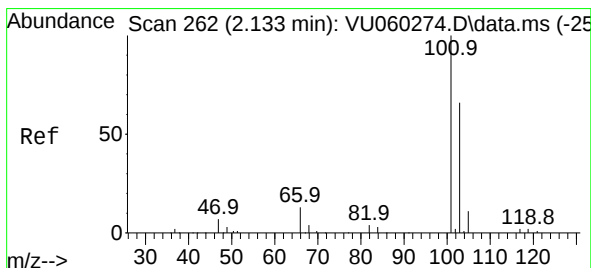
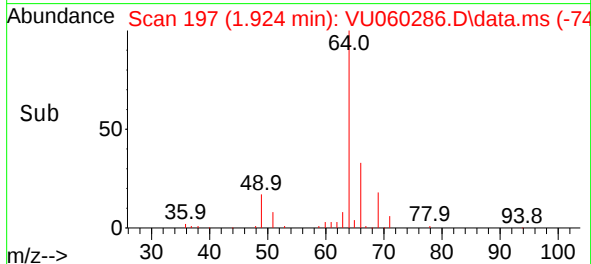
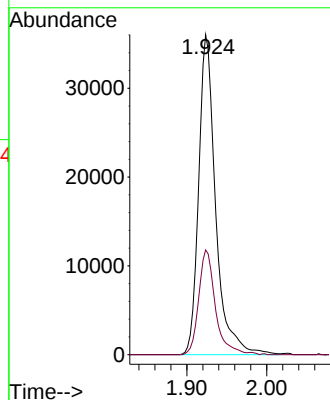
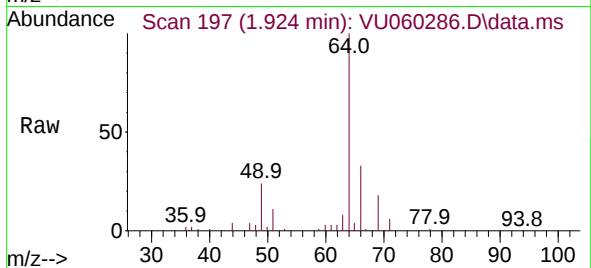




#8
Chloroethane
Concen: 48.252 ug/L
RT: 1.924 min Scan# 197
Delta R.T. -0.003 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

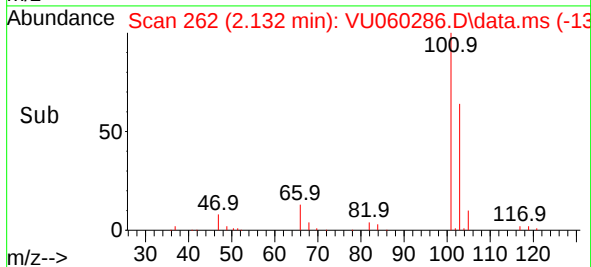
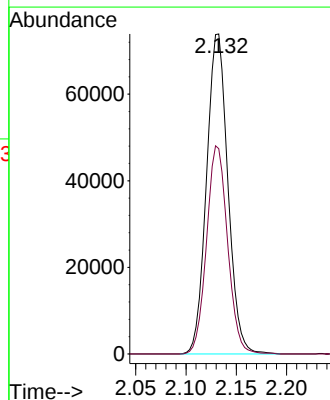
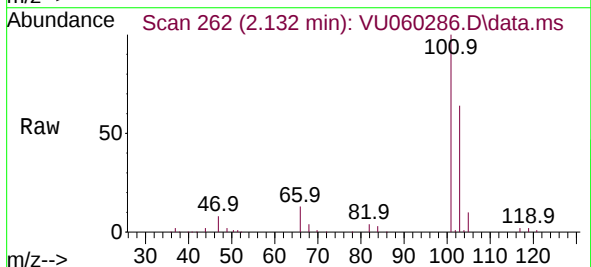
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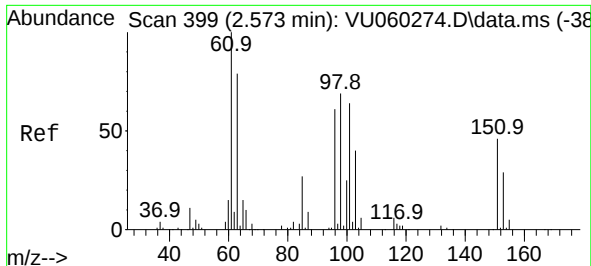
Tgt Ion: 64 Resp: 53267
Ion Ratio Lower Upper
64 100
66 32.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 46.269 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion:101 Resp: 109229
Ion Ratio Lower Upper
101 100
103 63.9 52.3 78.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.721 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

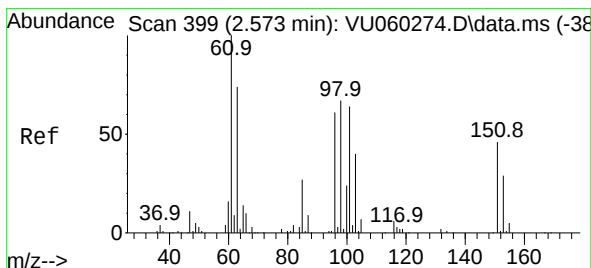
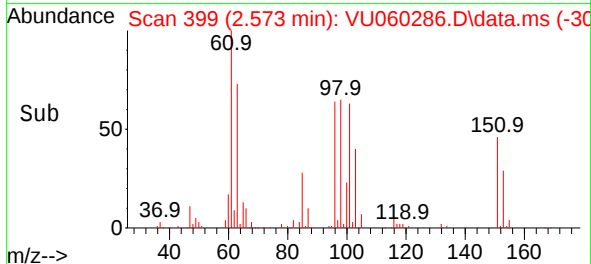
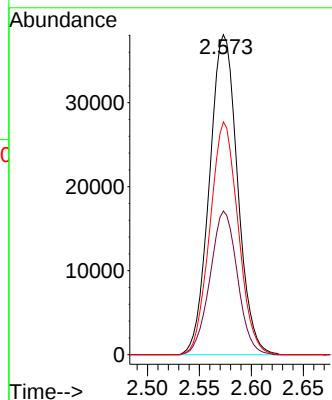
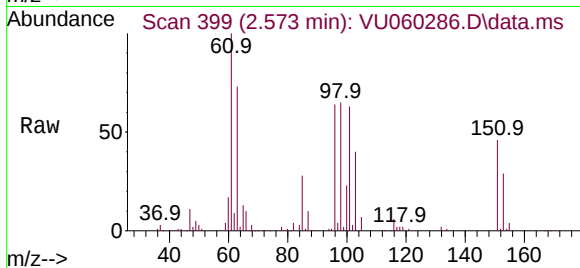
Tgt Ion:101 Resp: 71709

Ion Ratio Lower Upper

101 100

85 43.7 34.8 52.2

151 73.0 62.3 93.5



#12

1,1-Dichloroethene

Concen: 45.135 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

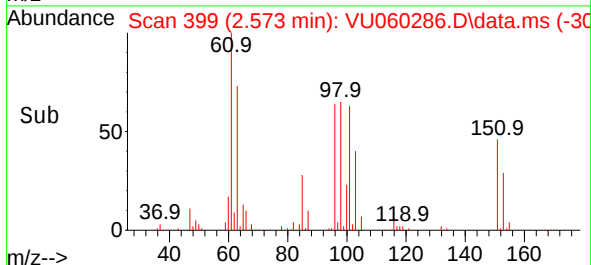
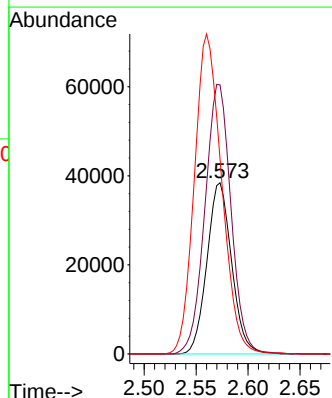
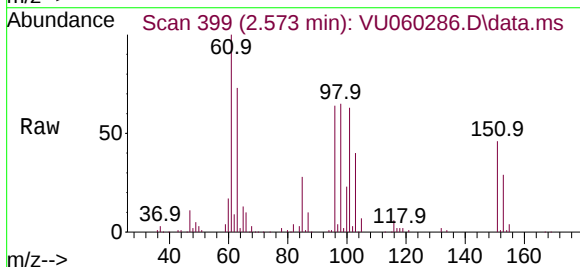
Tgt Ion: 96 Resp: 63430

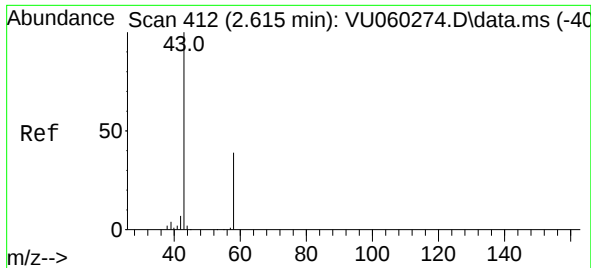
Ion Ratio Lower Upper

96 100

61 157.2 112.2 208.4

63 114.0 87.4 162.2





#13

Acetone

Concen: 68.833 ug/L

RT: 2.618 min Scan# 412

Delta R.T. 0.003 min

Lab File: VU060286.D

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MSVOA_U

ClientSampleId :

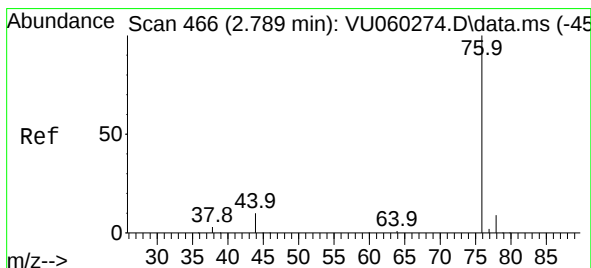
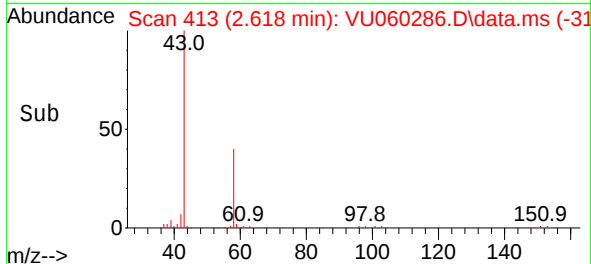
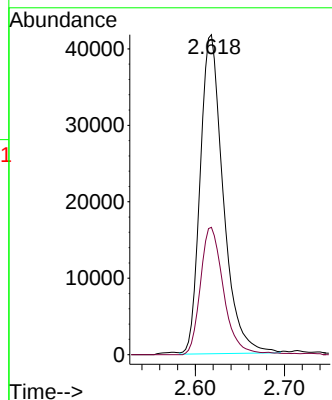
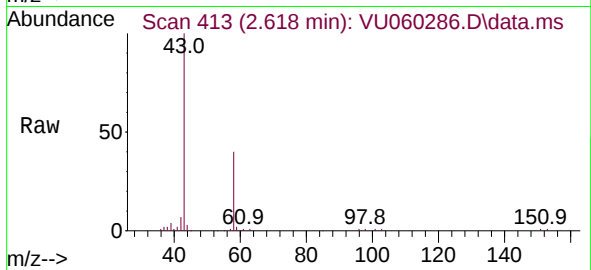
VSTD050091

Tgt Ion: 43 Resp: 74961

Ion Ratio Lower Upper

43 100

58 39.8 0.0 73.8



#14

Carbon disulfide

Concen: 38.571 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU060286.D

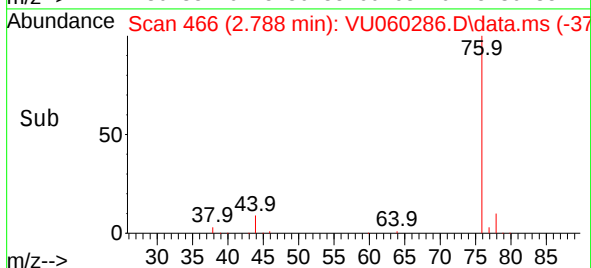
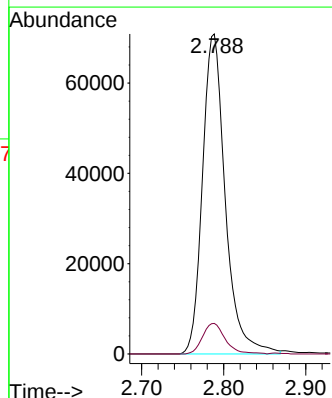
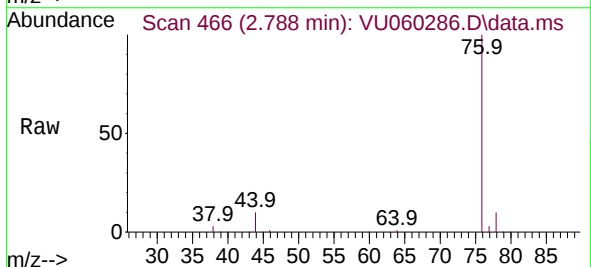
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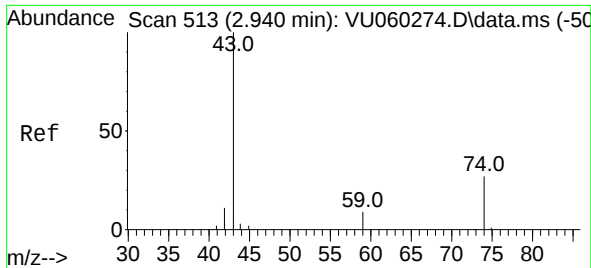
Tgt Ion: 76 Resp: 136811

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4

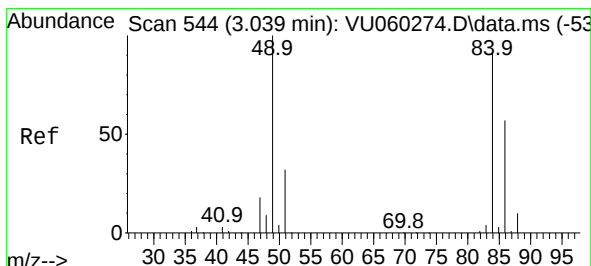
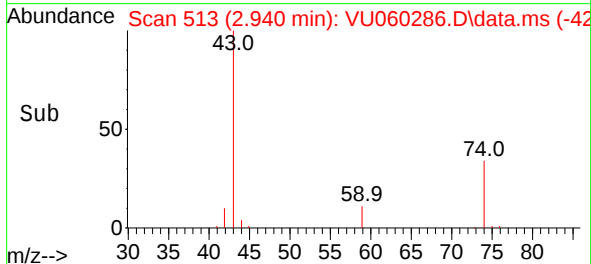
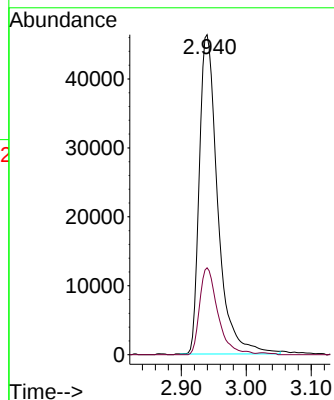
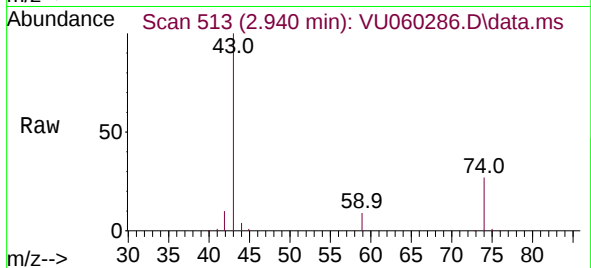




#15
Methyl Acetate
Concen: 55.663 ug/L
RT: 2.940 min Scan# 513
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

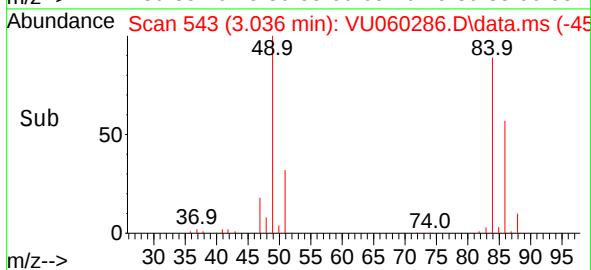
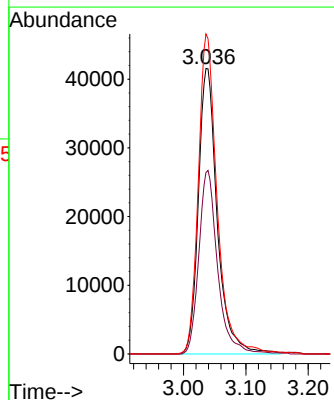
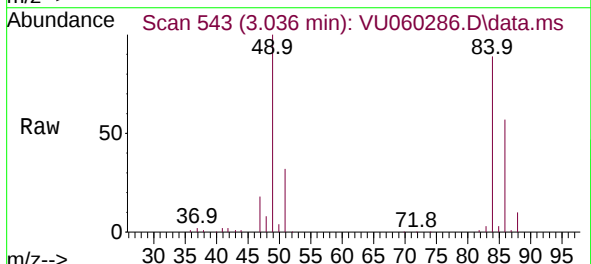
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

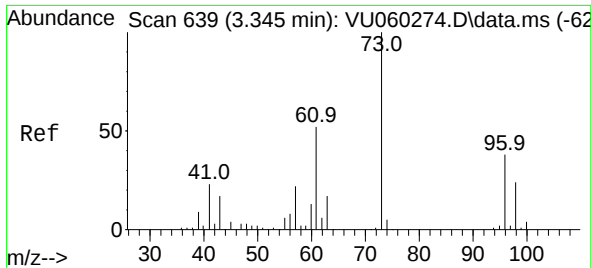
Tgt Ion: 43 Resp: 91394
Ion Ratio Lower Upper
43 100
74 26.5 24.1 36.1



#16
Methylene chloride
Concen: 49.516 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion: 84 Resp: 87749
Ion Ratio Lower Upper
84 100
86 63.5 44.7 83.1
49 112.1 71.6 133.0

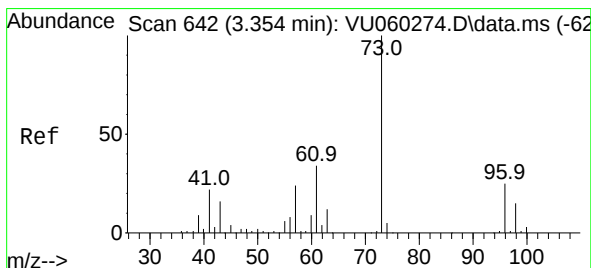
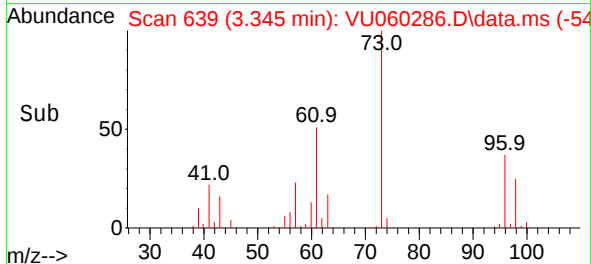
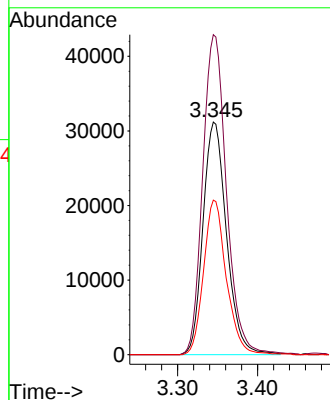
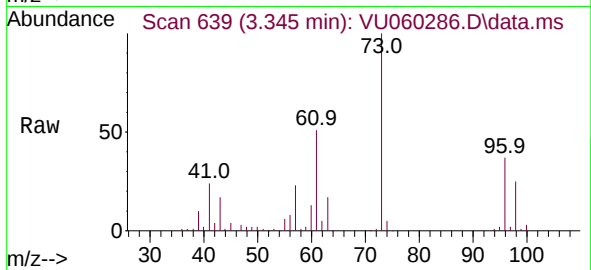




#17
trans-1,2-Dichloroethene
Concen: 44.148 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

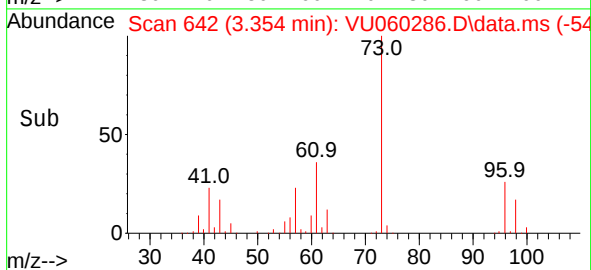
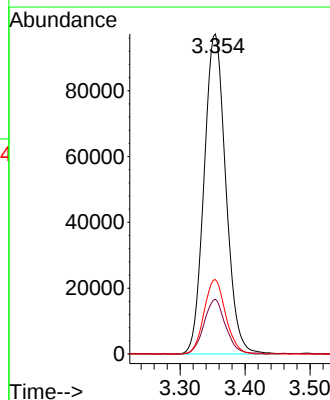
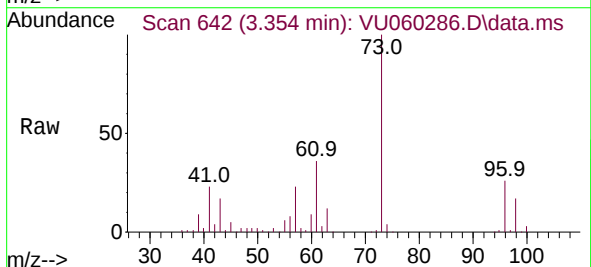
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

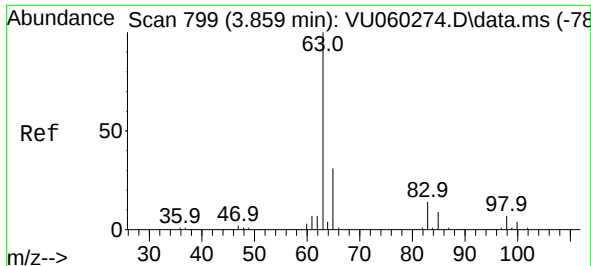
Tgt Ion: 96 Resp: 63873
Ion Ratio Lower Upper
96 100
61 137.5 90.6 168.3
98 66.4 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 48.150 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion: 73 Resp: 226259
Ion Ratio Lower Upper
73 100
43 16.9 14.1 21.1
57 23.1 17.1 25.7

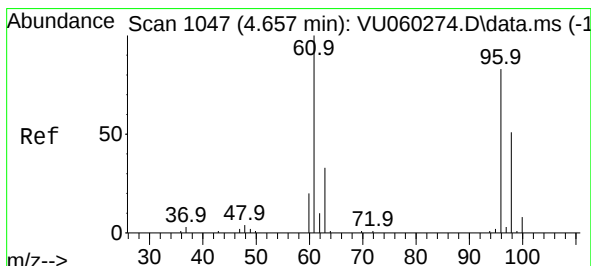
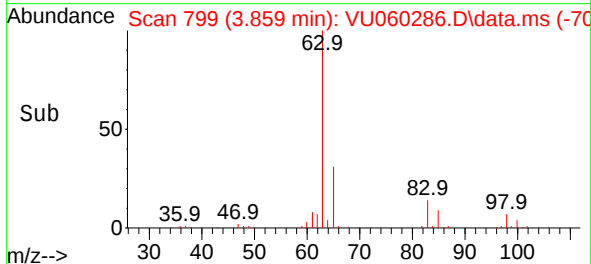
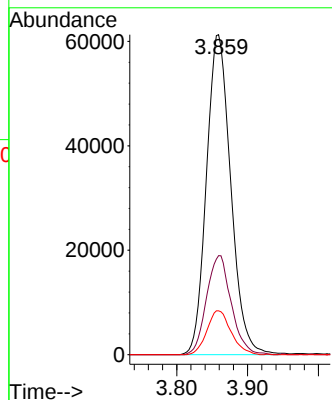
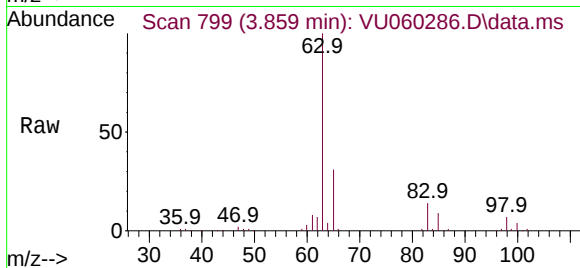




#19
1,1-Dichloroethane
Concen: 53.246 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

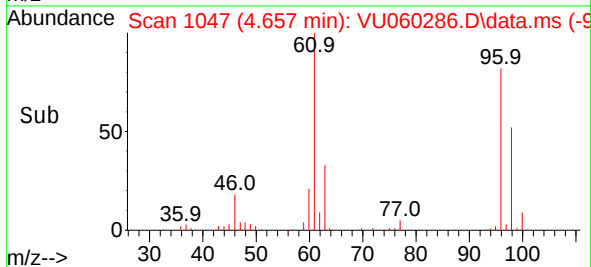
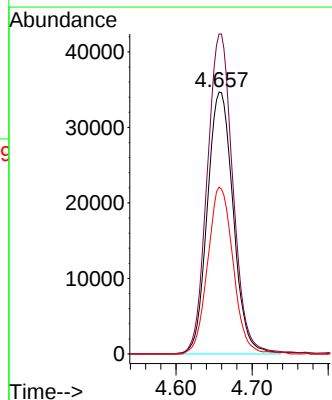
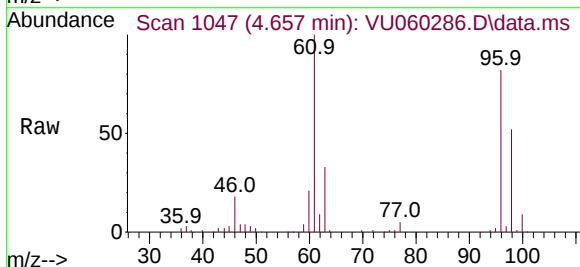
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

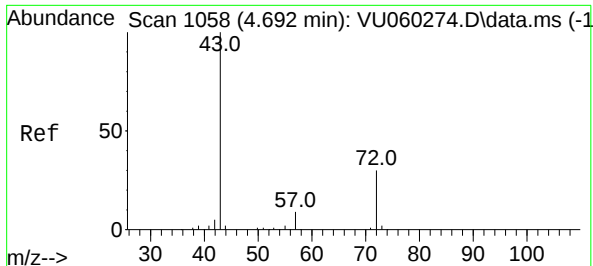
Tgt Ion: 63 Resp: 146107
Ion Ratio Lower Upper
63 100
65 31.0 23.3 43.3
83 13.7 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 46.763 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion: 96 Resp: 81925
Ion Ratio Lower Upper
96 100
61 122.2 83.2 154.4
98 63.7 45.9 85.3

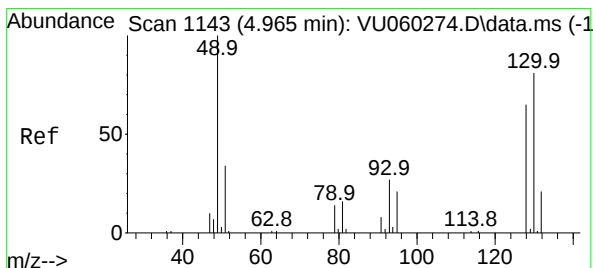
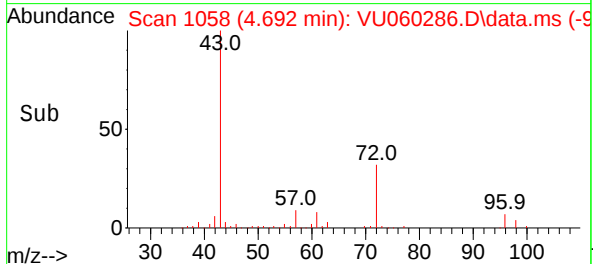
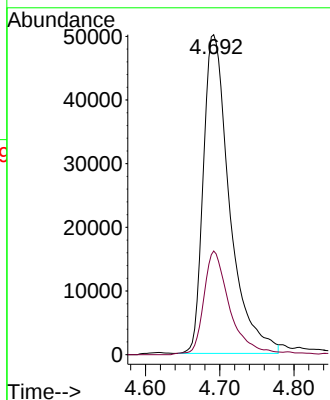
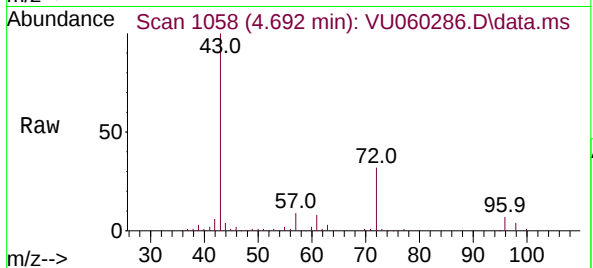




#22
2-Butanone
Concen: 91.817 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

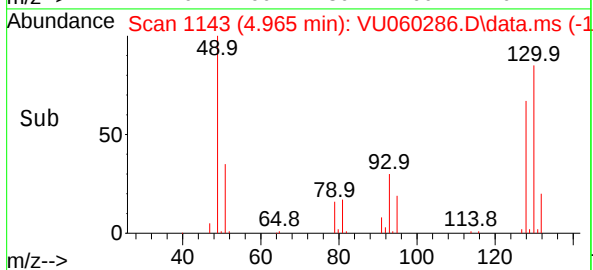
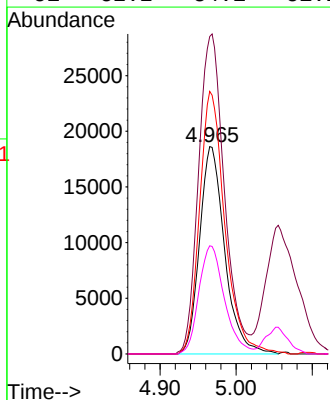
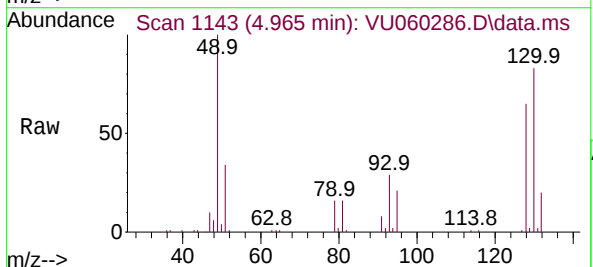
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

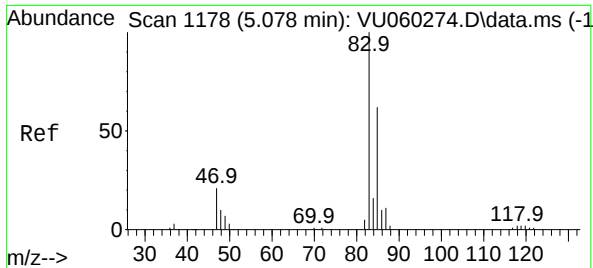
Tgt Ion: 43 Resp: 123023
Ion Ratio Lower Upper
43 100
72 31.3 16.4 49.2



#23
Bromochloromethane
Concen: 46.150 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion: 128 Resp: 42646
Ion Ratio Lower Upper
128 100
49 153.0 96.7 179.7
130 126.6 86.3 160.3
51 52.2 34.1 51.1#





#25

Chloroform

Concen: 52.267 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

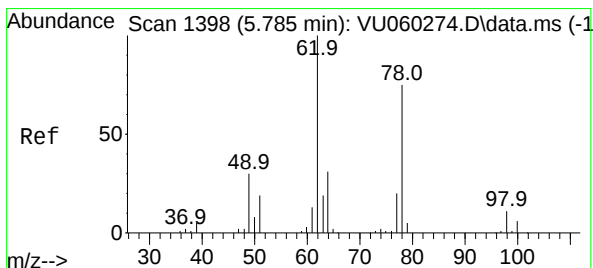
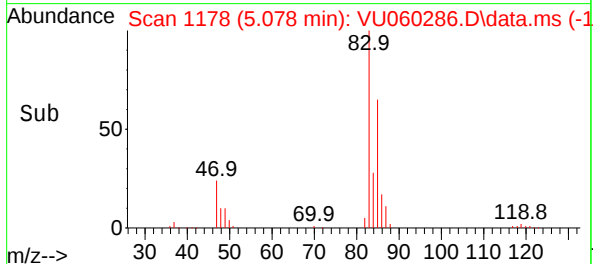
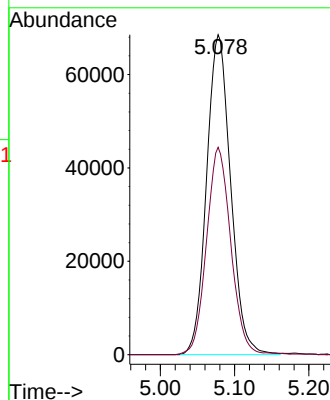
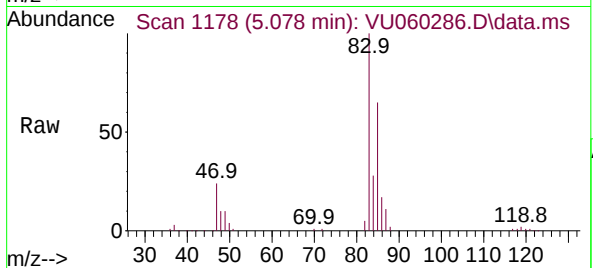
VSTD050091

Tgt Ion: 83 Resp: 154333

Ion Ratio Lower Upper

83 100

85 64.8 46.7 86.7



#27

1,2-Dichloroethane

Concen: 48.924 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU060286.D

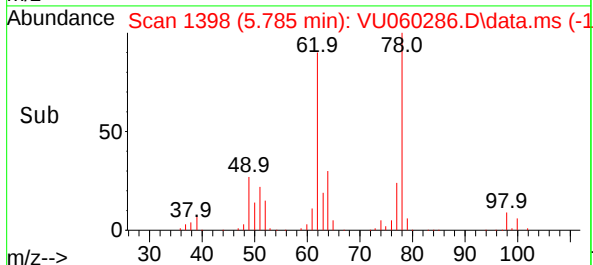
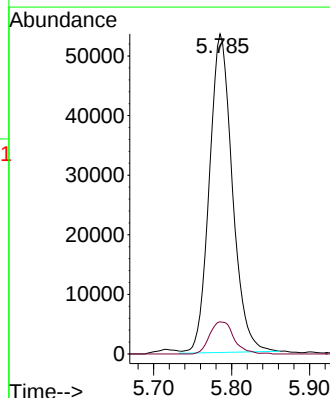
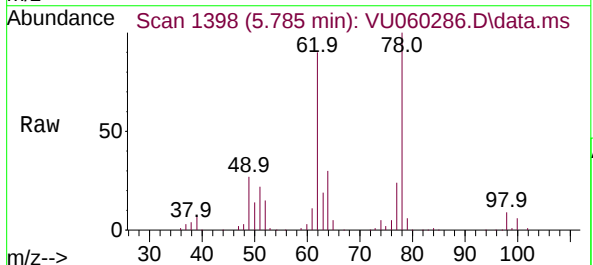
Acq: 01 Aug 2024 09:13

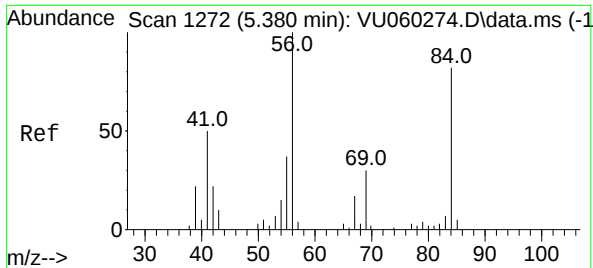
Tgt Ion: 62 Resp: 109670

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.8

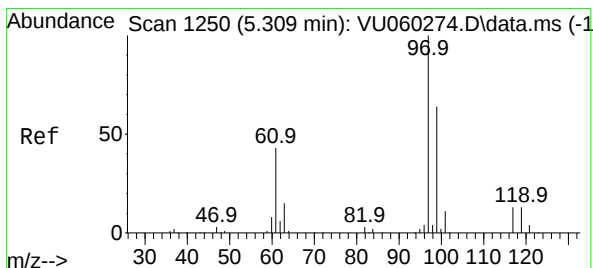
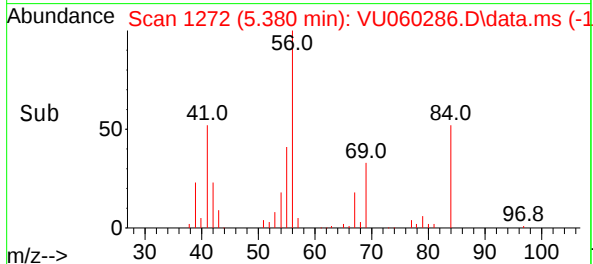
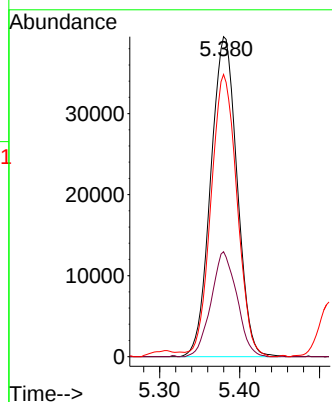
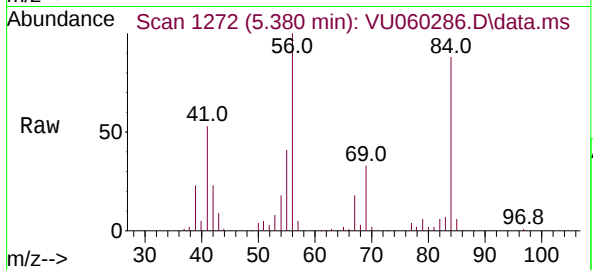




#29
Cyclohexane
Concen: 41.982 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

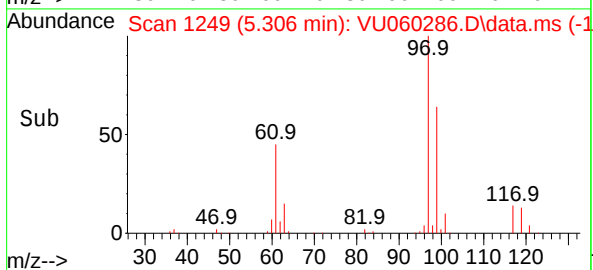
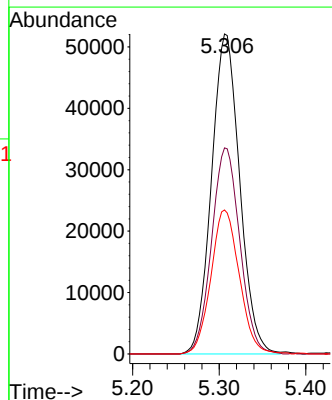
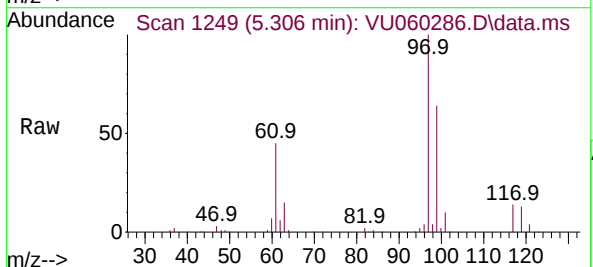
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

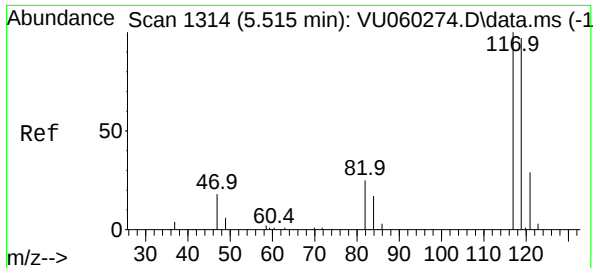
Tgt Ion:	56	Resp:	90361
Ion Ratio	Lower	Upper	
56	100		
69	32.0	26.0	39.0
84	87.0	75.5	113.3



#30
1,1,1-Trichloroethane
Concen: 47.369 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion:	97	Resp:	117959
Ion Ratio	Lower	Upper	
97	100		
99	64.4	52.2	78.2
61	45.4	35.2	52.8

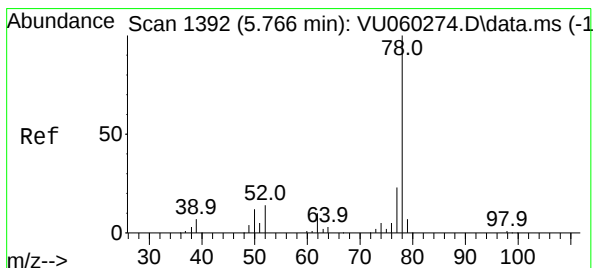
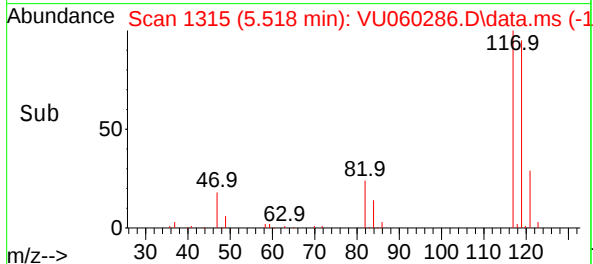
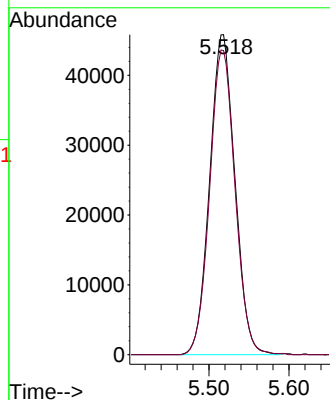
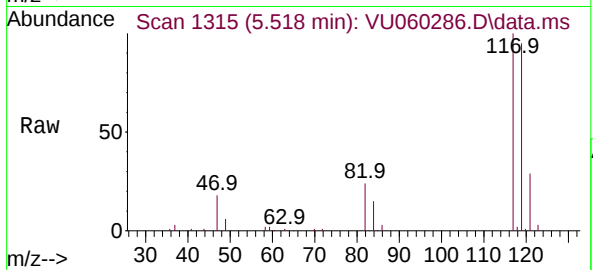




#31
Carbon tetrachloride
Concen: 48.883 ug/L
RT: 5.518 min Scan# 1314
Delta R.T. 0.003 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

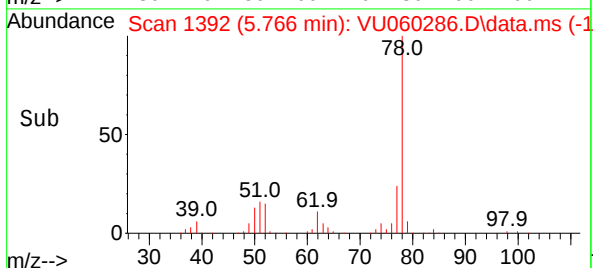
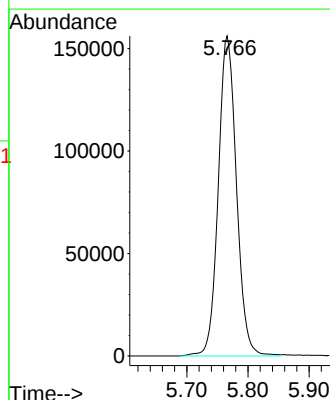
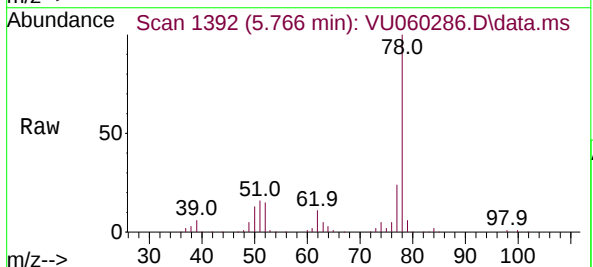
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

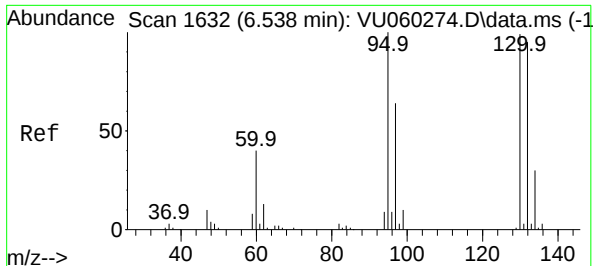
Tgt Ion:117 Resp: 100554
Ion Ratio Lower Upper
117 100
119 95.6 77.6 116.4



#33
Benzene
Concen: 49.759 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion: 78 Resp: 322992





#34

Trichloroethene

Concen: 46.003 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

Tgt Ion: 95 Resp: 79687

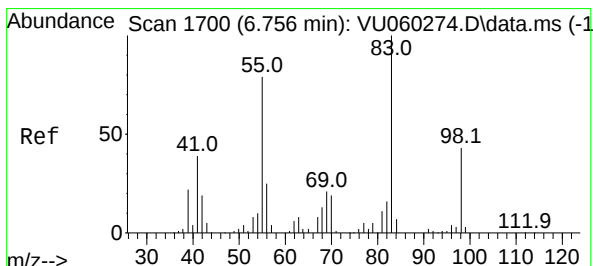
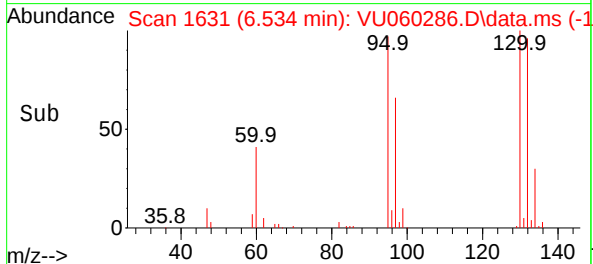
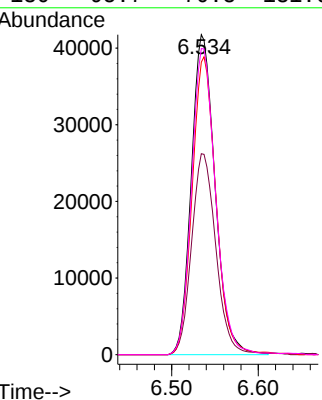
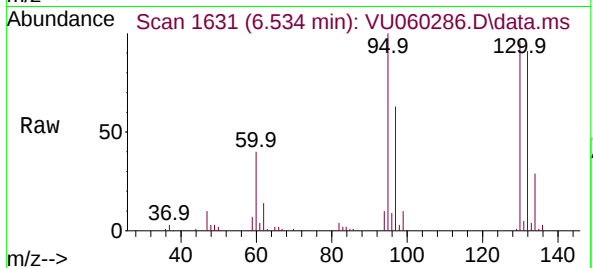
Ion Ratio Lower Upper

95 100

97 62.8 45.8 85.2

132 91.4 69.8 129.6

130 95.7 70.8 131.6



#35

Methylcyclohexane

Concen: 39.675 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

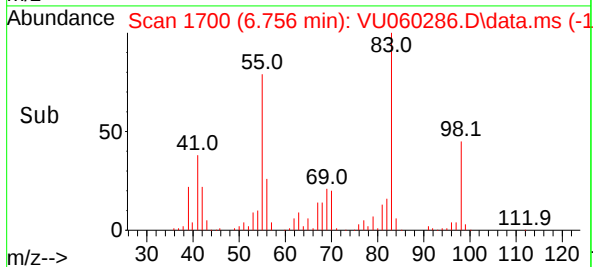
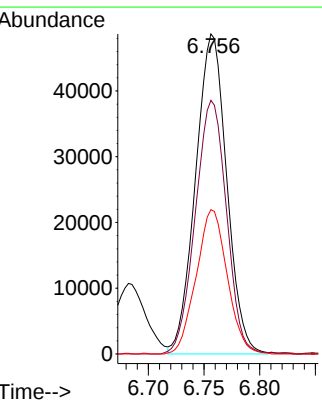
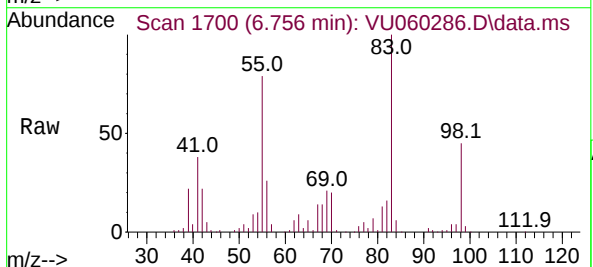
Tgt Ion: 83 Resp: 94914

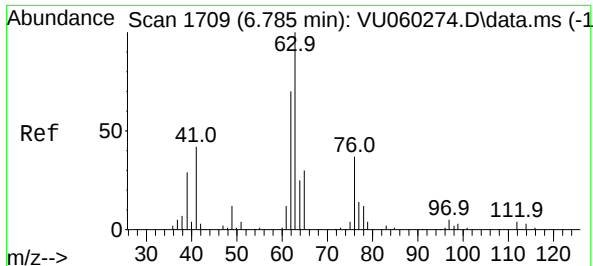
Ion Ratio Lower Upper

83 100

55 79.3 56.8 85.2

98 44.8 36.5 54.7

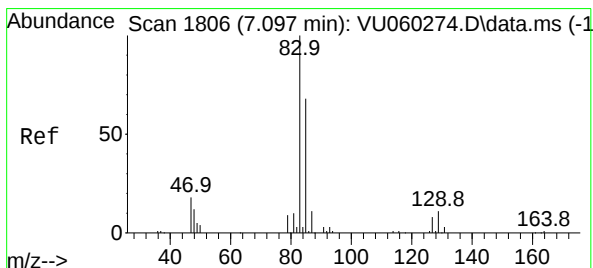
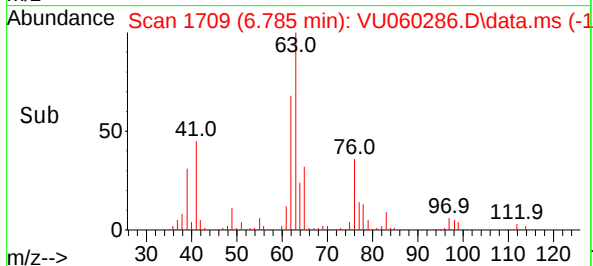
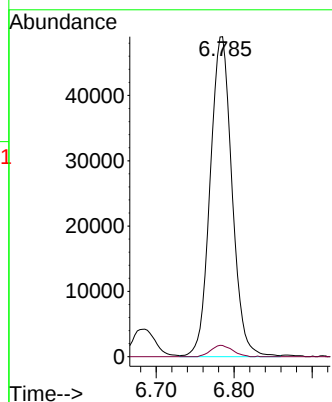
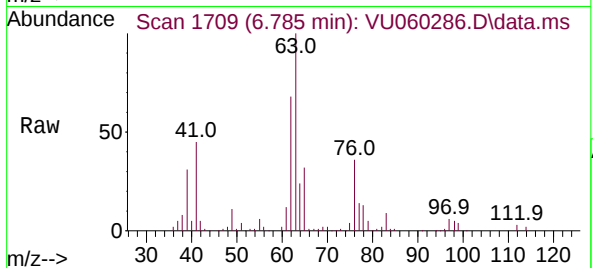




#37
1,2-Dichloropropane
Concen: 53.489 ug/L
RT: 6.785 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

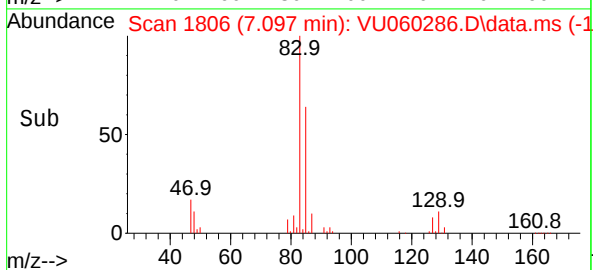
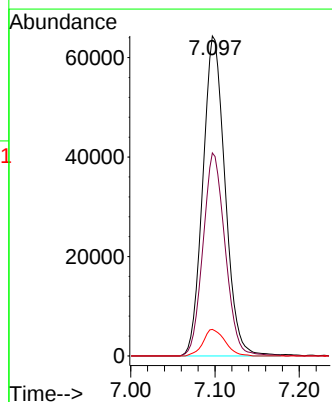
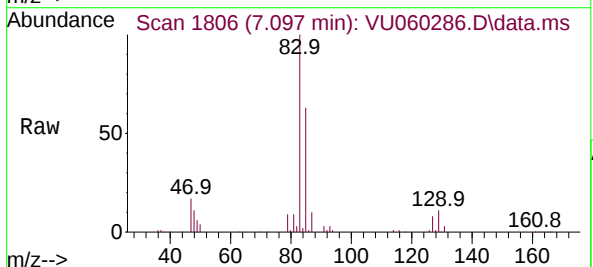
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

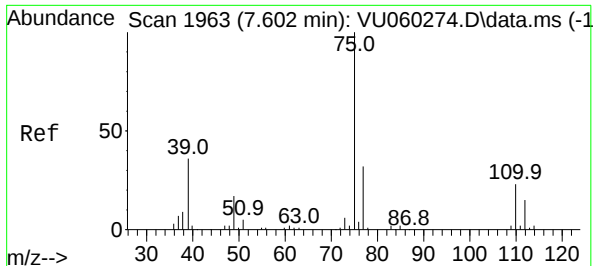
Tgt Ion: 63 Resp: 95569
Ion Ratio Lower Upper
63 100
112 3.5 3.0 4.6



#38
Bromodichloromethane
Concen: 52.213 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion: 83 Resp: 118202
Ion Ratio Lower Upper
83 100
85 63.5 45.0 83.6
127 8.3 7.4 11.2

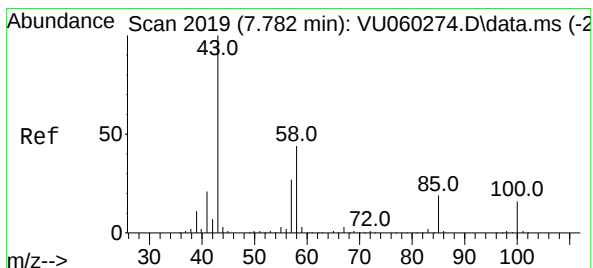
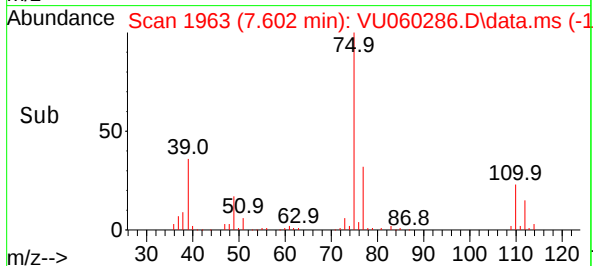
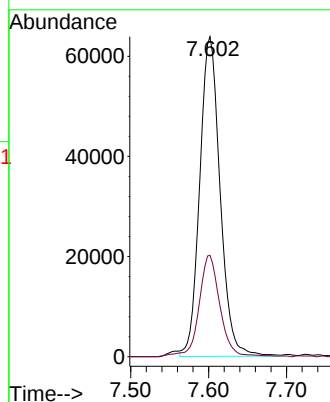
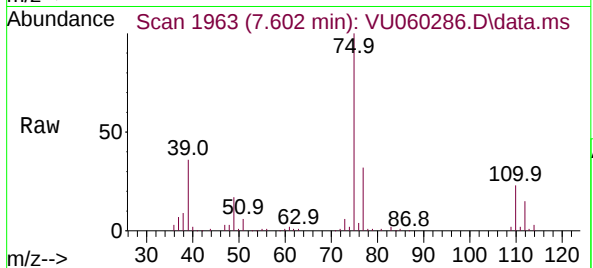




#39
 cis-1,3-Dichloropropene
 Concen: 42.413 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU060286.D
 Acq: 01 Aug 2024 09:13

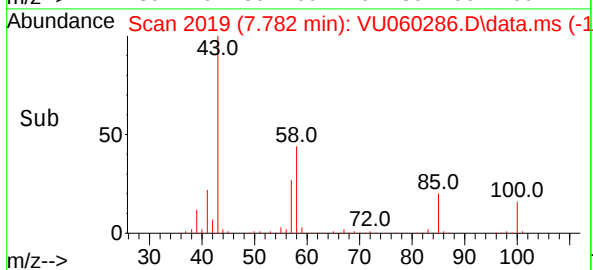
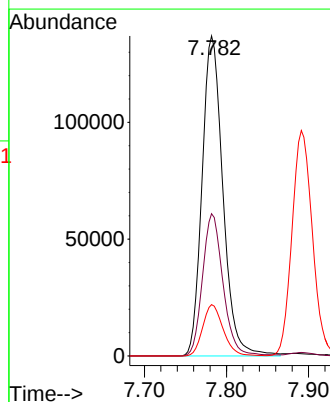
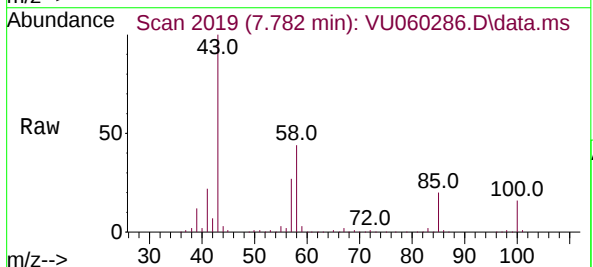
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050091

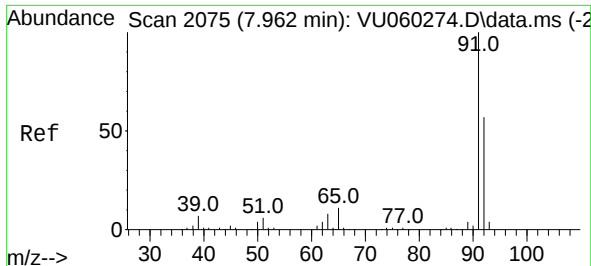
Tgt Ion: 75 Resp: 115941
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 107.103 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU060286.D
 Acq: 01 Aug 2024 09:13

Tgt Ion: 43 Resp: 241861
 Ion Ratio Lower Upper
 43 100
 58 43.6 35.3 52.9
 100 15.8 14.6 22.0





#42

Toluene

Concen: 48.258 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

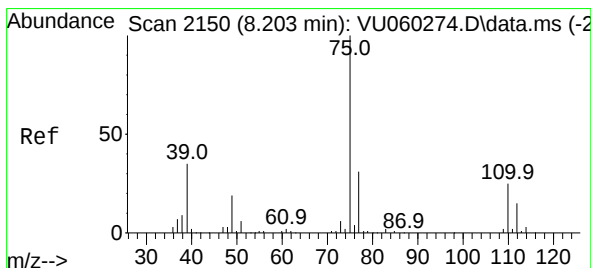
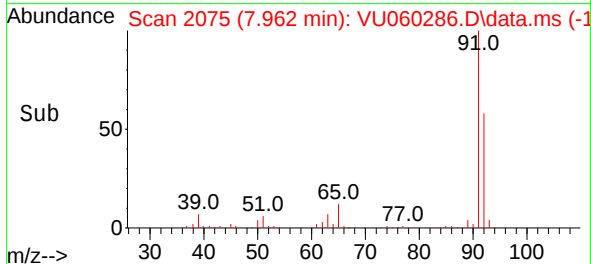
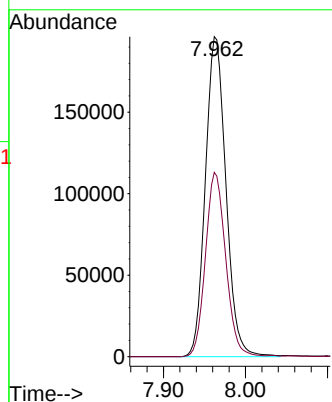
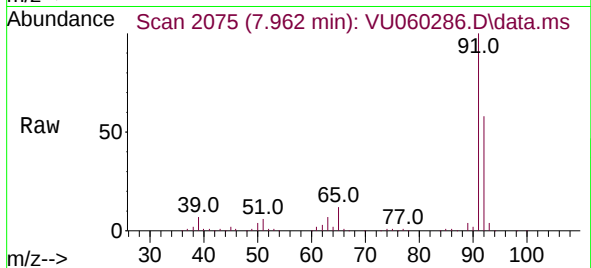
VSTD050091

Tgt Ion: 91 Resp: 341974

Ion Ratio Lower Upper

91 100

92 57.6 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 43.736 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU060286.D

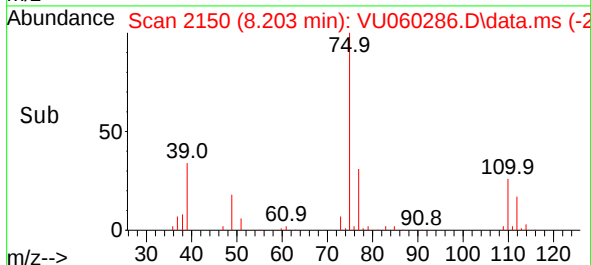
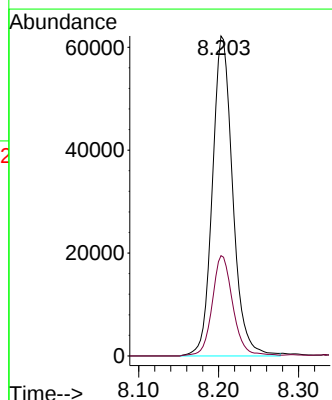
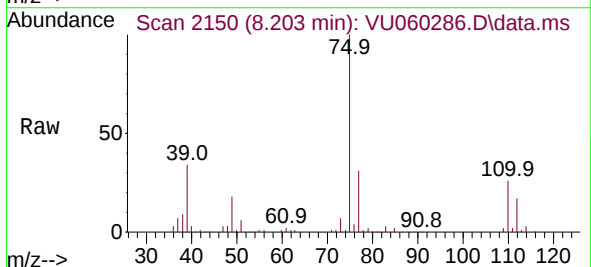
Acq: 01 Aug 2024 09:13

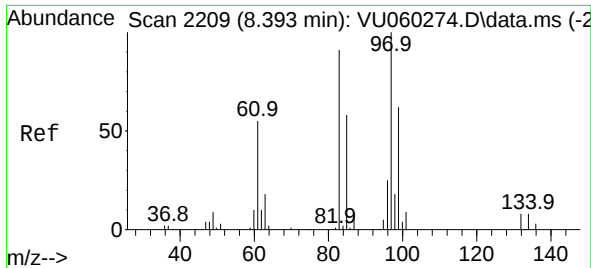
Tgt Ion: 75 Resp: 109820

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3



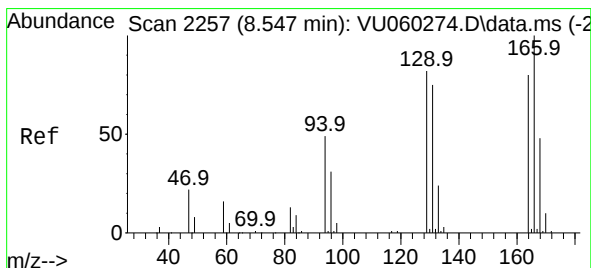
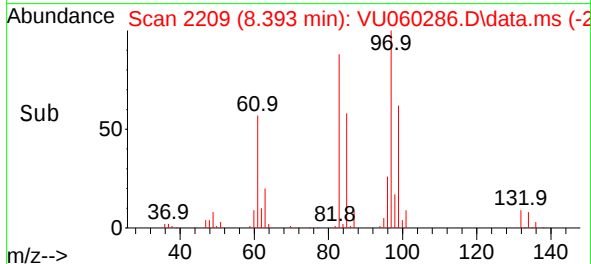
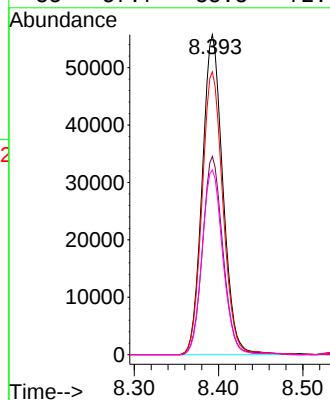
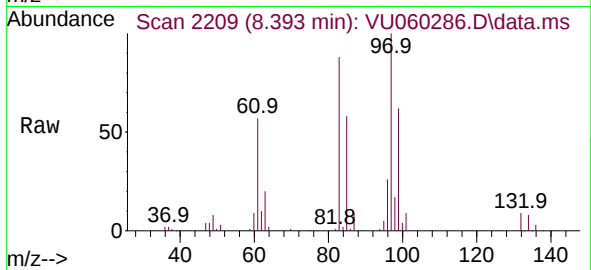


#45
1,1,2-Trichloroethane
Concen: 50.831 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

Tgt Ion: 97 Resp: 95113

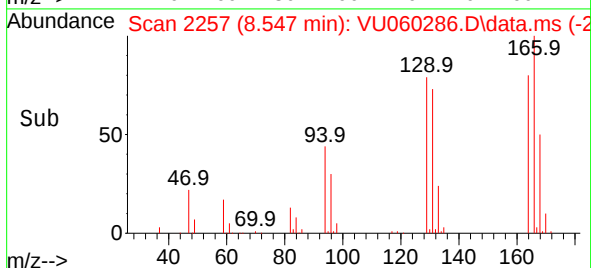
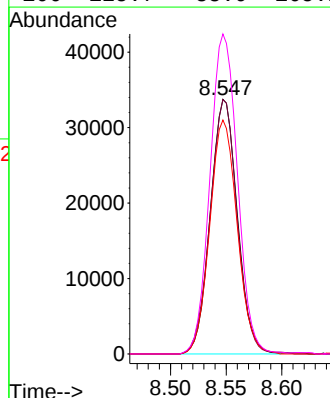
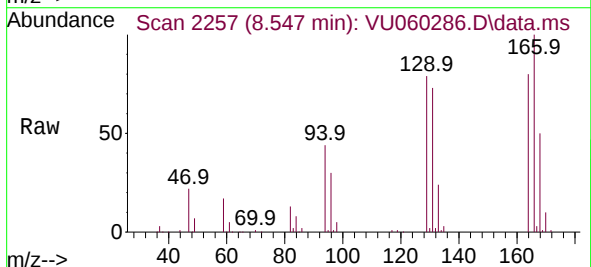
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.1	80.1
83	88.4	60.4	112.2
85	57.7	38.8	72.0

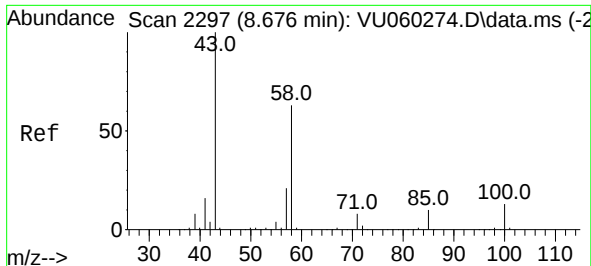


#46
Tetrachloroethene
Concen: 40.045 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion: 164 Resp: 57064

Ion	Ratio	Lower	Upper
164	100		
129	100.0	62.7	116.5
131	91.9	62.3	115.7
166	125.7	88.9	165.1

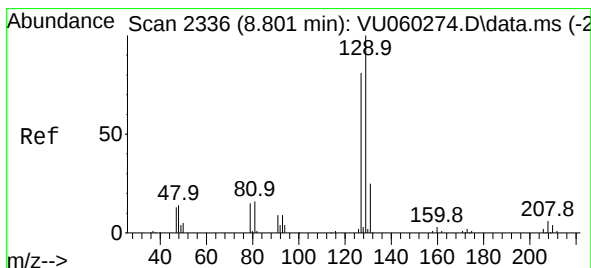
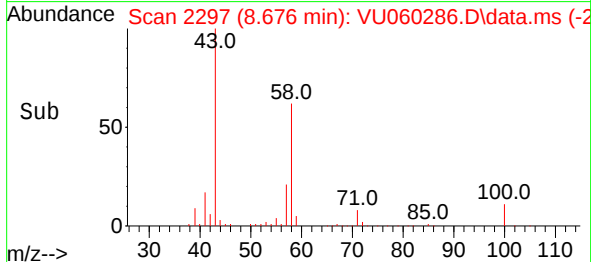
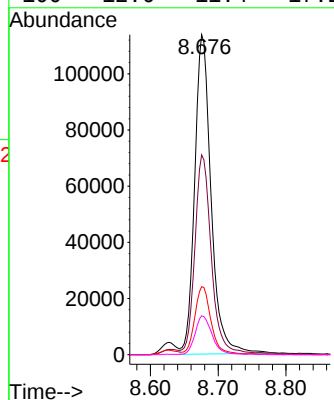
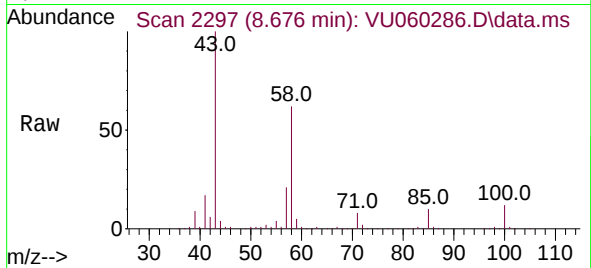




#48
2-Hexanone
Concen: 101.389 ug/L
RT: 8.676 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

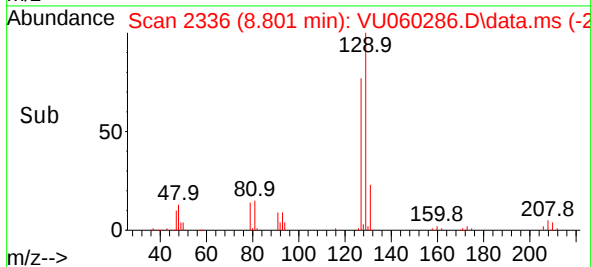
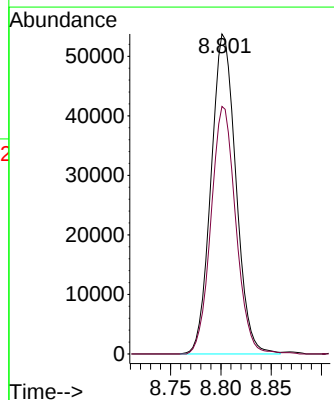
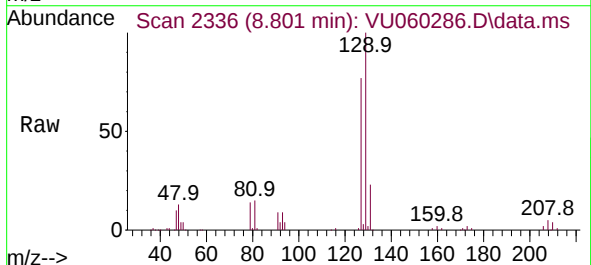
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

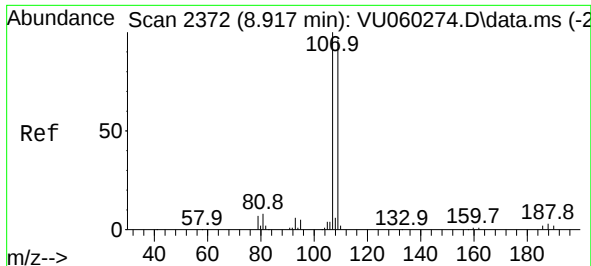
Tgt Ion:	43	Resp:	191619
Ion	Ratio	Lower	Upper
43	100		
58	61.3	49.0	73.6
57	20.6	16.7	25.1
100	12.6	11.4	17.2



#49
Dibromochloromethane
Concen: 50.174 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion:	129	Resp:	92504
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.0	100.2





#50

1,2-Dibromoethane

Concen: 48.093 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

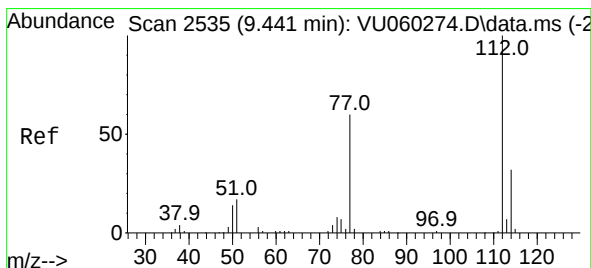
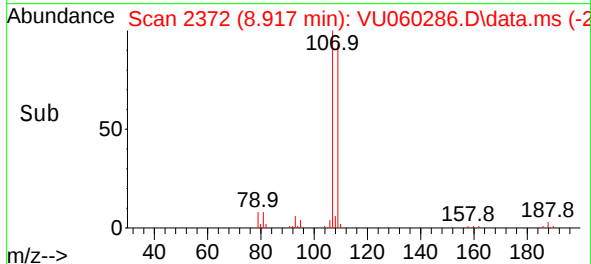
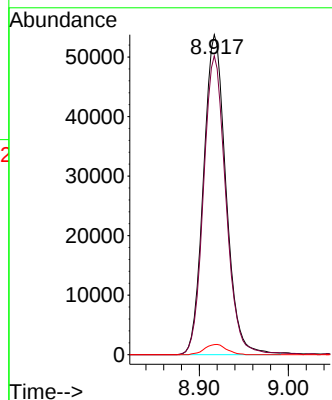
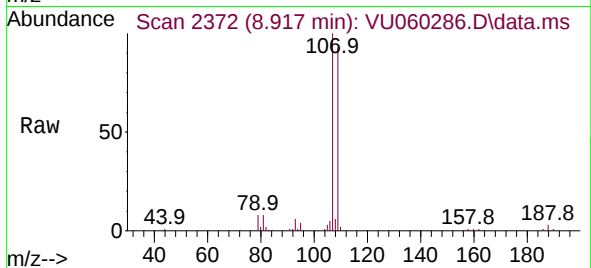
Tgt Ion:107 Resp: 94090

Ion Ratio Lower Upper

107 100

109 93.4 65.5 121.6

188 3.1 3.0 4.4



#51

Chlorobenzene

Concen: 46.052 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

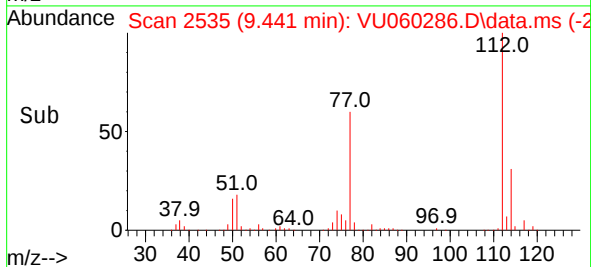
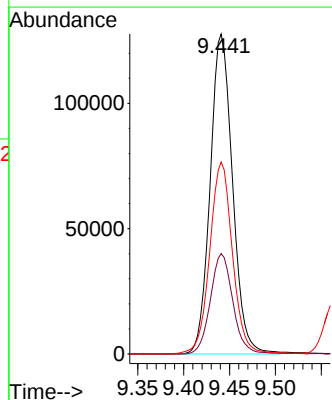
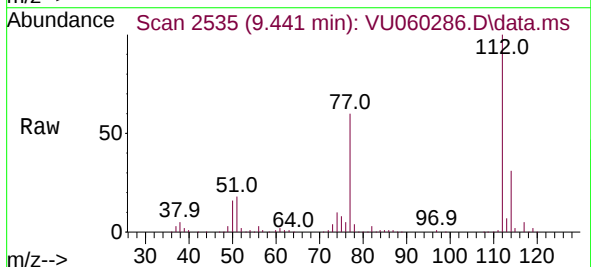
Tgt Ion:112 Resp: 216651

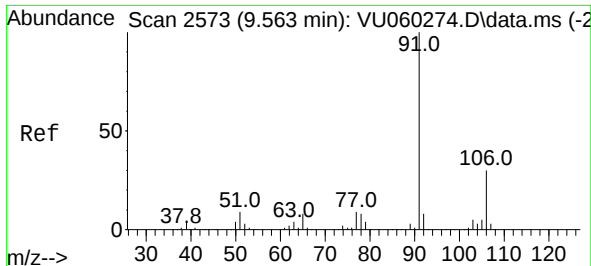
Ion Ratio Lower Upper

112 100

114 31.3 22.7 42.3

77 60.0 45.8 68.6





#52

Ethylbenzene

Concen: 46.521 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

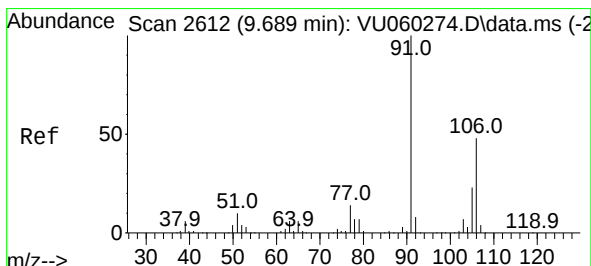
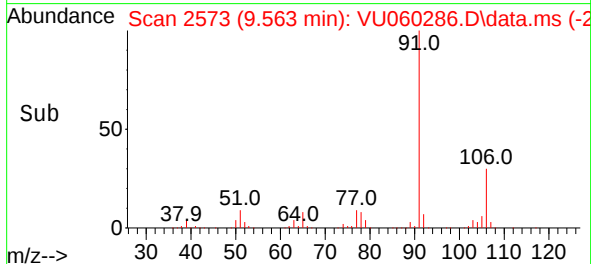
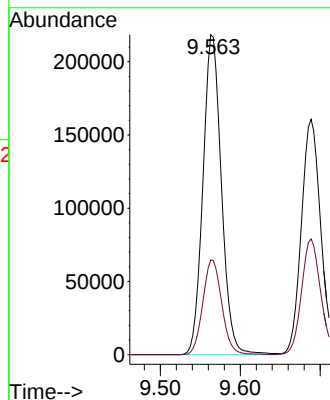
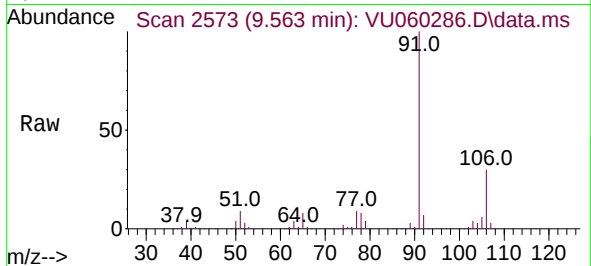
VSTD050091

Tgt Ion: 91 Resp: 352047

Ion Ratio Lower Upper

91 100

106 29.6 22.4 41.6



#53

m,p-Xylene

Concen: 44.586 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU060286.D

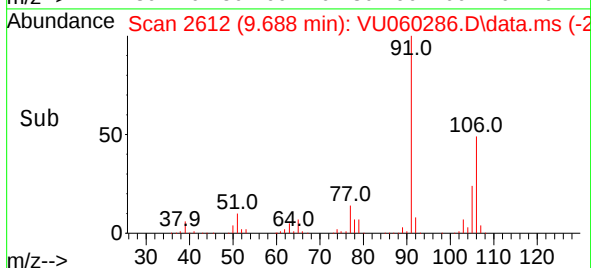
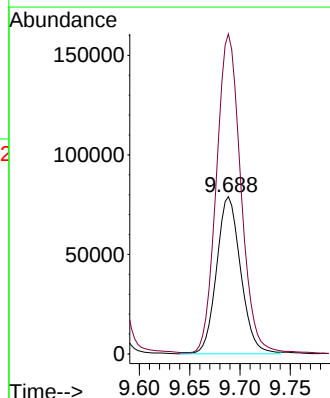
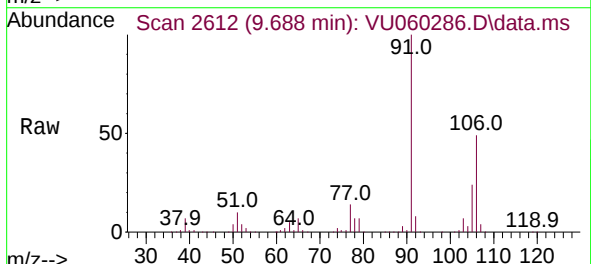
Acq: 01 Aug 2024 09:13

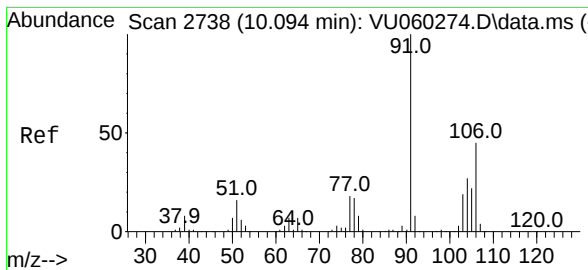
Tgt Ion:106 Resp: 131371

Ion Ratio Lower Upper

106 100

91 203.4 140.9 261.7

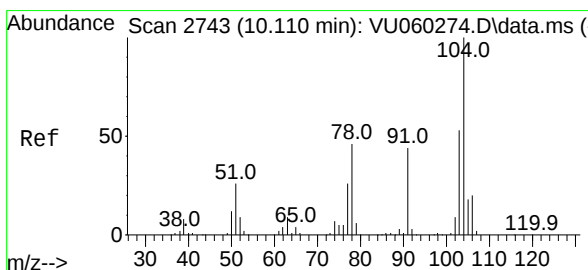
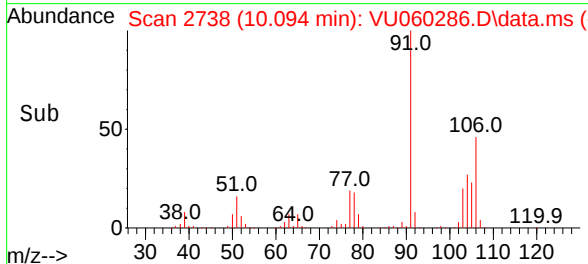
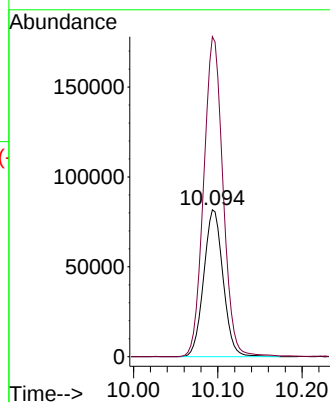
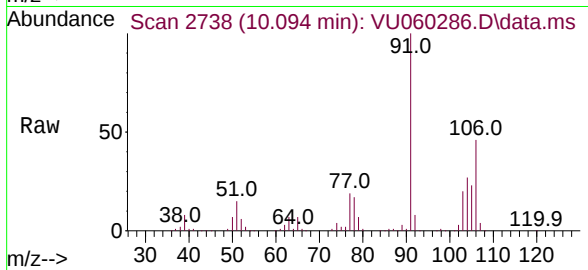




#54
o-Xylene
Concen: 46.193 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

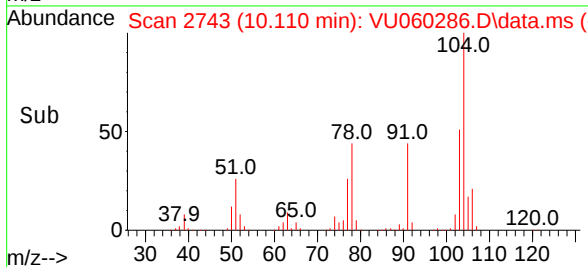
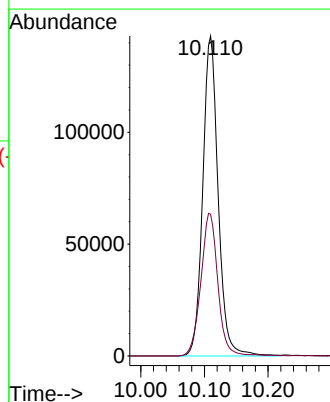
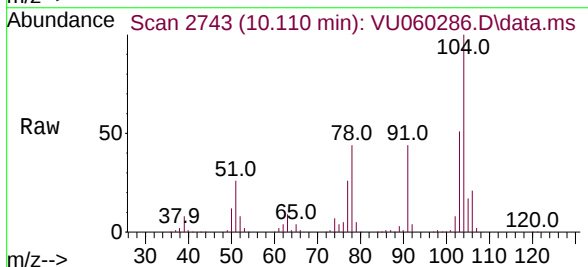
Instrument :
MSVOA_U
ClientSampleId :
VSTD050091

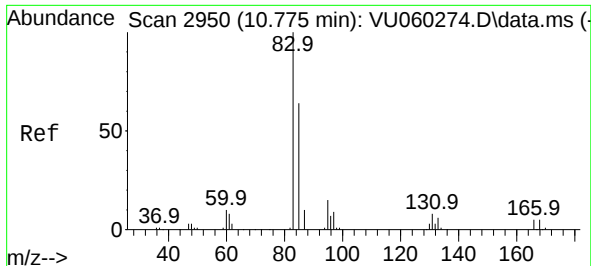
Tgt Ion:106 Resp: 130882
Ion Ratio Lower Upper
106 100
91 217.9 147.4 273.8



#55
Styrene
Concen: 50.257 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU060286.D
Acq: 01 Aug 2024 09:13

Tgt Ion:104 Resp: 240235
Ion Ratio Lower Upper
104 100
78 44.3 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 53.325 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

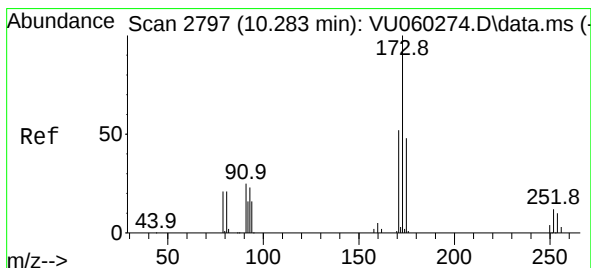
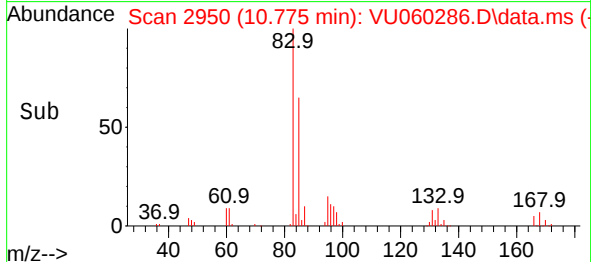
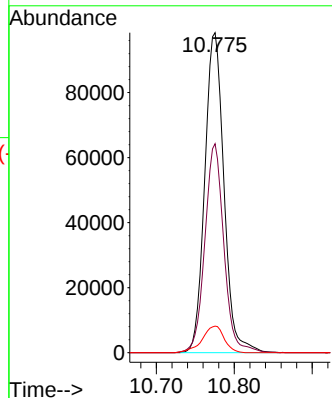
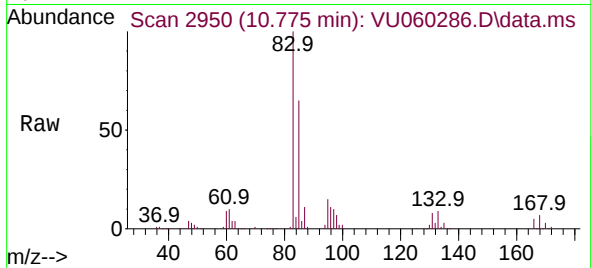
Tgt Ion: 83 Resp: 168269

Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.2

131 8.3 7.5 11.3



#59

Bromoform

Concen: 51.540 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

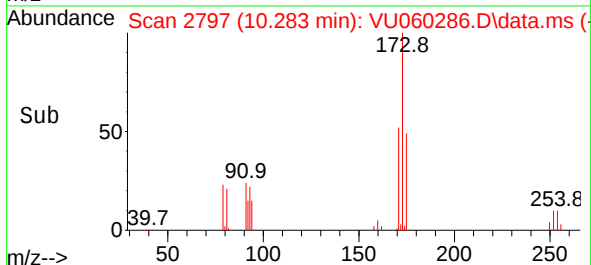
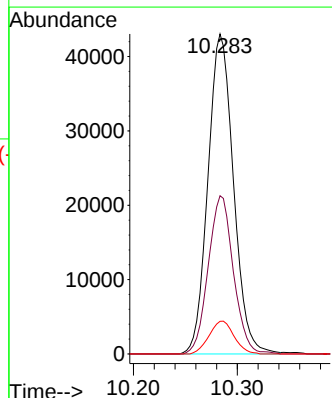
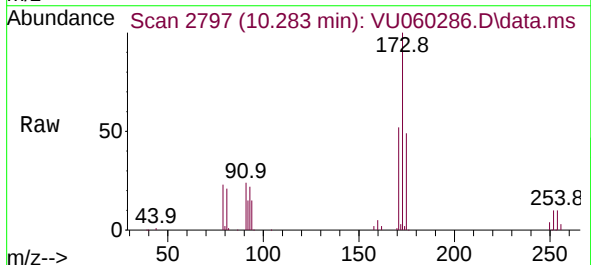
Tgt Ion:173 Resp: 73450

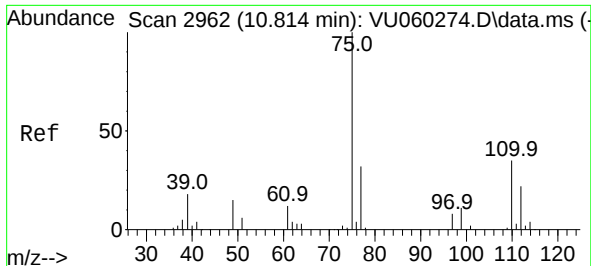
Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.2

254 10.1 9.0 13.4





#60

1,2,3-Trichloropropane

Concen: 56.097 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

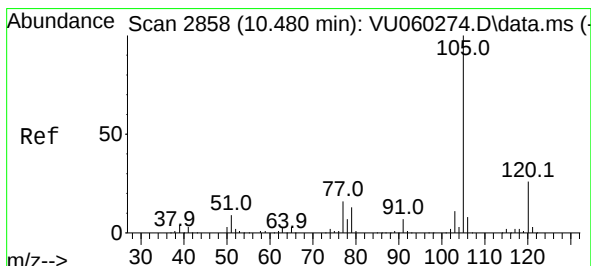
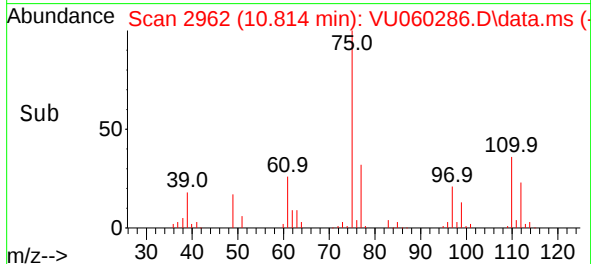
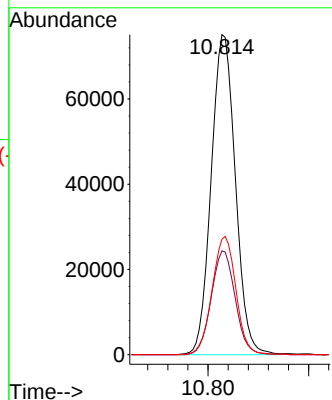
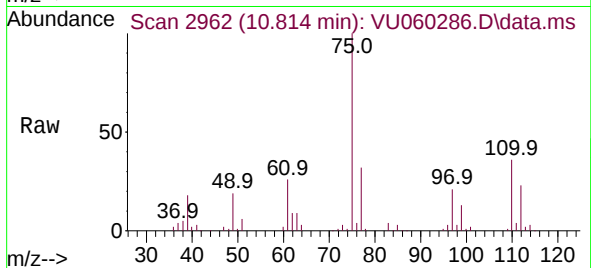
Tgt Ion: 75 Resp: 125481

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

110 36.2 30.7 46.1



#61

Isopropylbenzene

Concen: 49.768 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

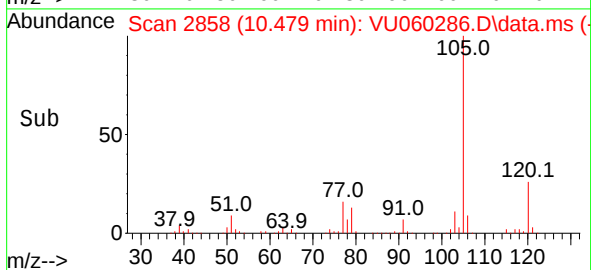
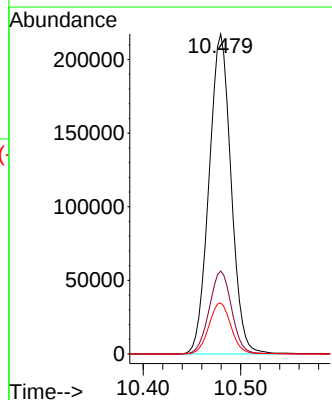
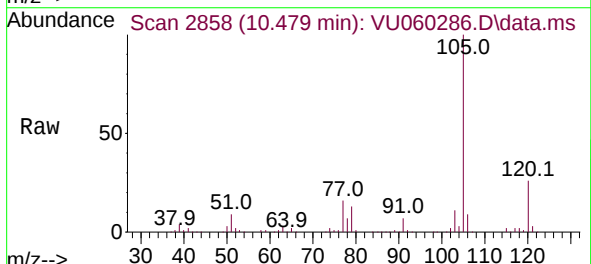
Tgt Ion:105 Resp: 341926

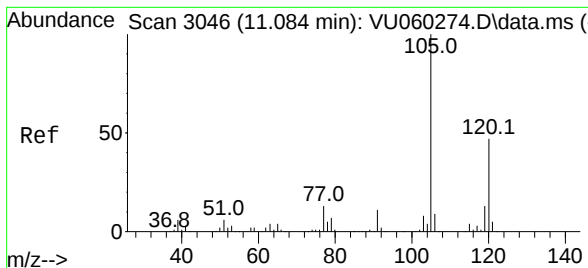
Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

77 15.9 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 48.104 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

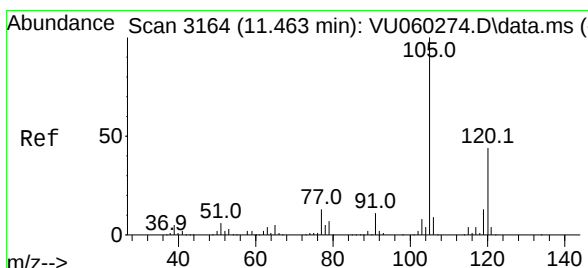
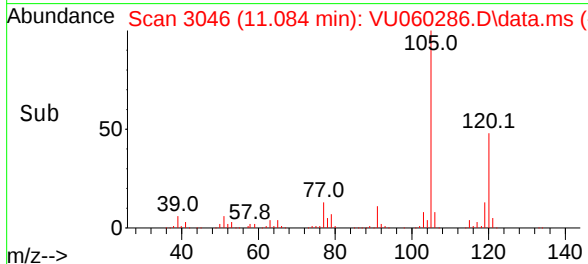
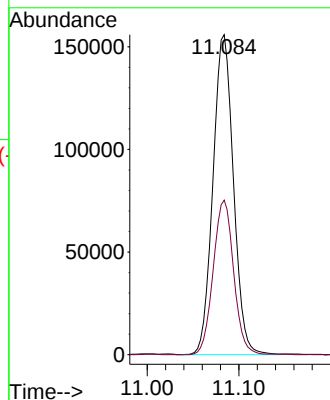
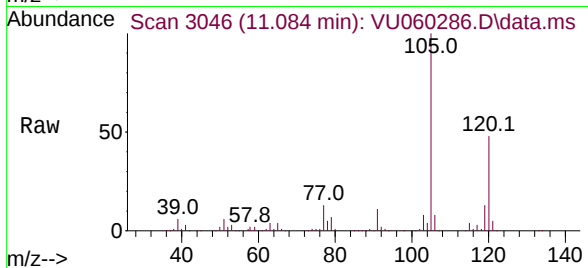
VSTD050091

Tgt Ion:105 Resp: 241944

Ion Ratio Lower Upper

105 100

120 48.2 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 48.059 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU060286.D

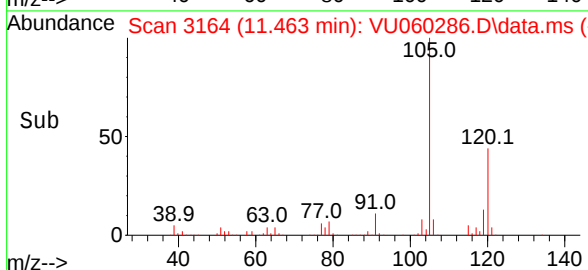
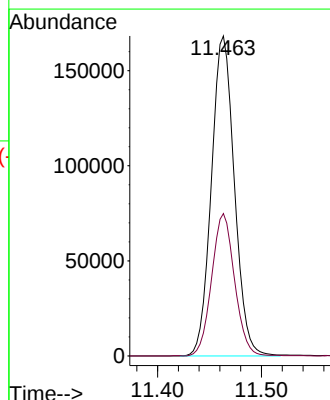
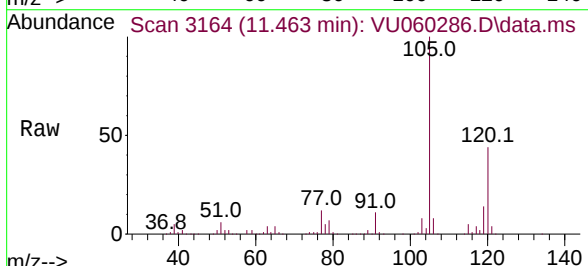
Acq: 01 Aug 2024 09:13

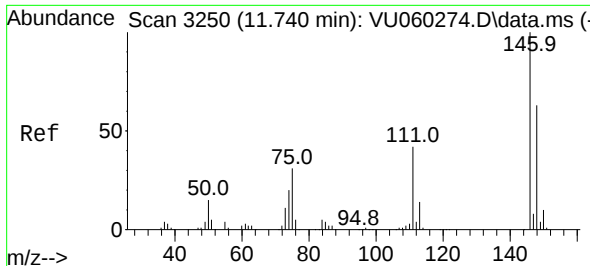
Tgt Ion:105 Resp: 258909

Ion Ratio Lower Upper

105 100

120 44.2 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 47.727 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

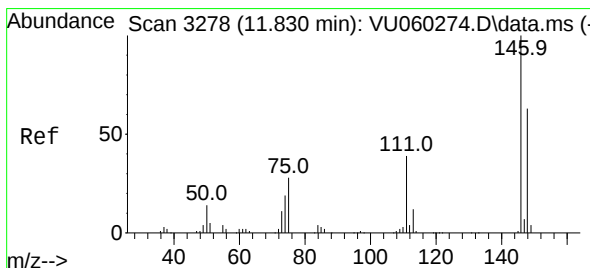
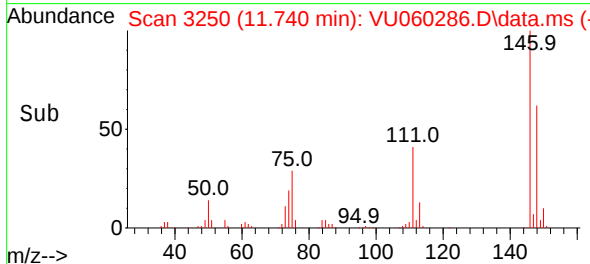
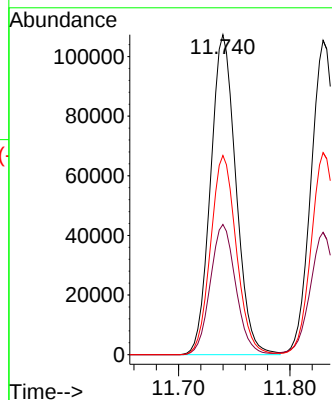
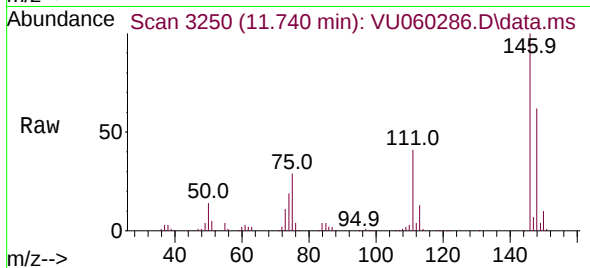
Tgt Ion:146 Resp: 170059

Ion Ratio Lower Upper

146 100

111 40.7 26.5 49.1

148 62.3 43.8 81.3



#65

1,4-Dichlorobenzene

Concen: 46.911 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

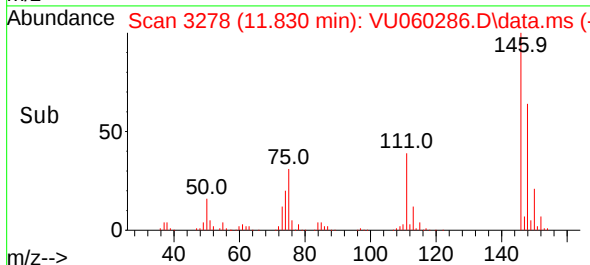
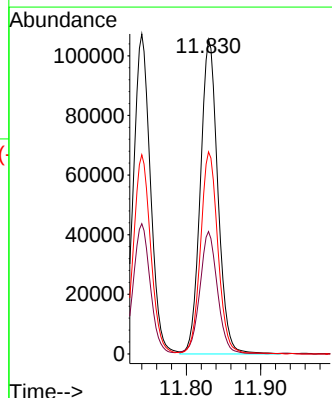
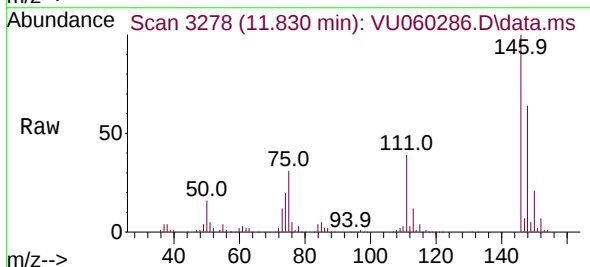
Tgt Ion:146 Resp: 172792

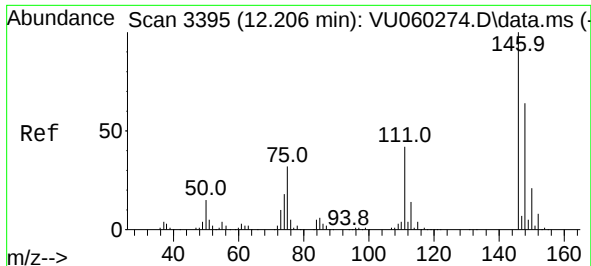
Ion Ratio Lower Upper

146 100

111 39.0 25.9 48.1

148 64.3 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 47.945 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

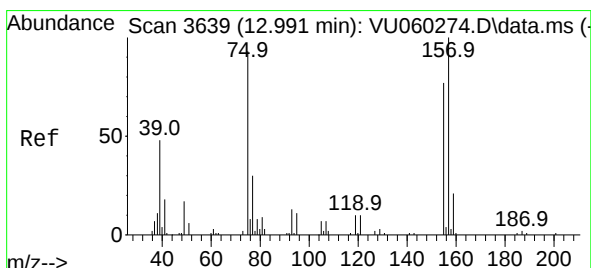
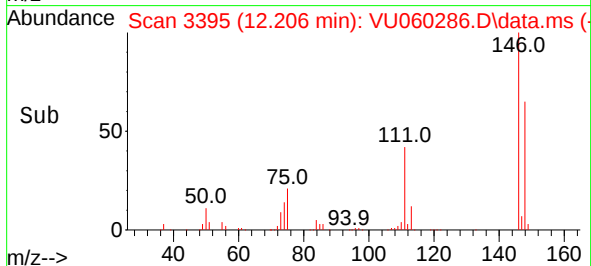
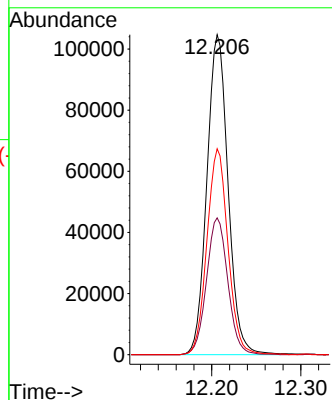
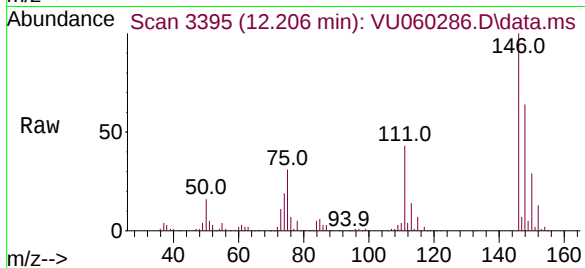
Tgt Ion:146 Resp: 172575

Ion Ratio Lower Upper

146 100

111 42.7 31.7 47.5

148 64.3 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 53.098 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

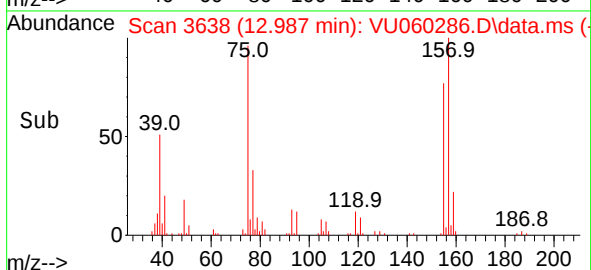
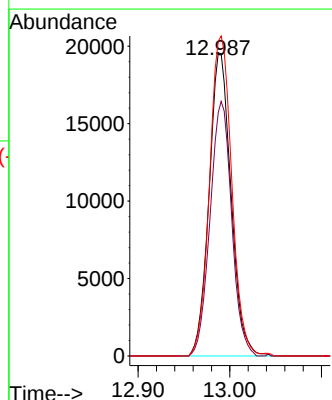
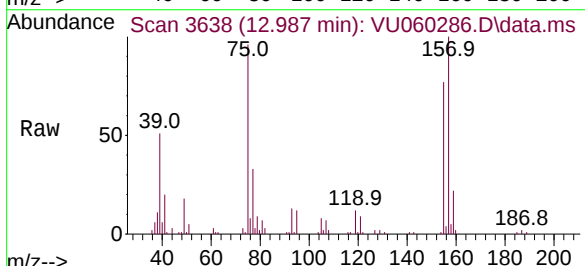
Tgt Ion: 75 Resp: 32482

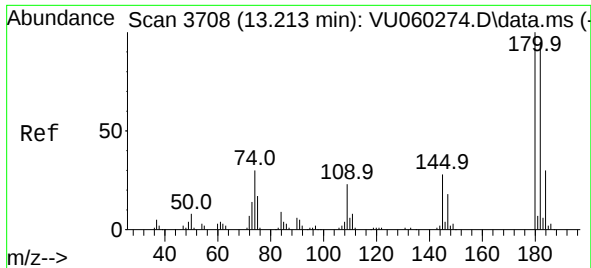
Ion Ratio Lower Upper

75 100

155 80.3 73.5 110.3

157 103.8 93.5 140.3





#69

1,3,5-Trichlorobenzene

Concen: 42.979 ug/L

RT: 13.212 min Scan# 3

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

Tgt Ion:180 Resp: 110412

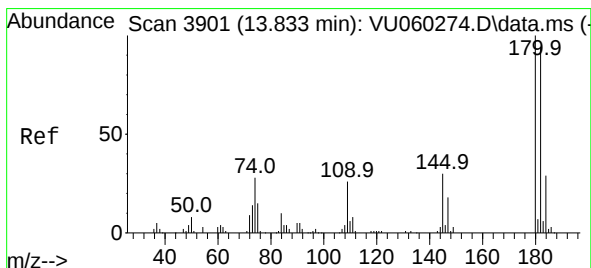
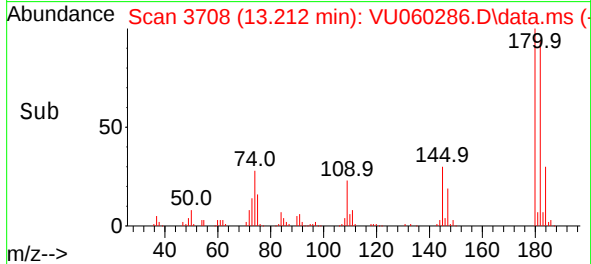
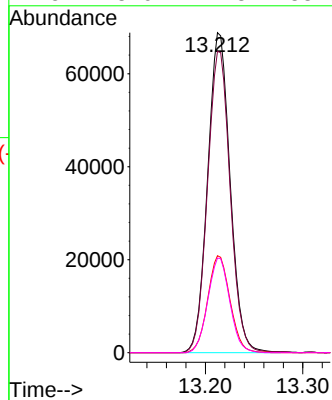
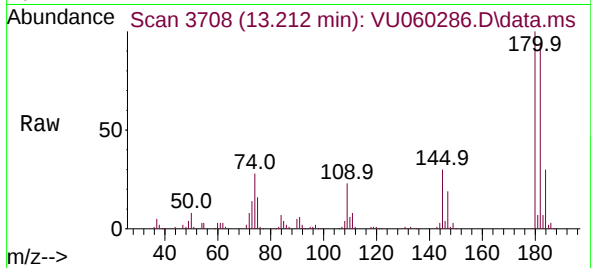
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.8

184 30.1 24.7 37.1

145 28.9 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 38.095 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

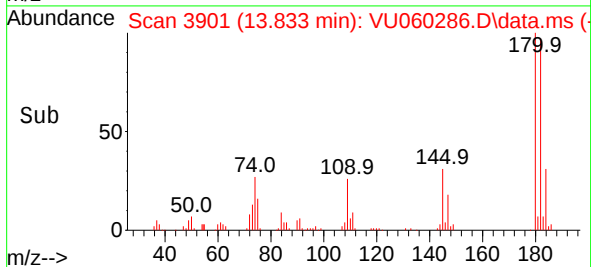
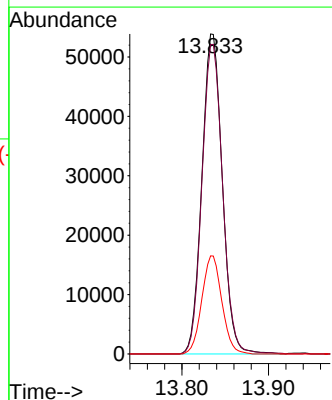
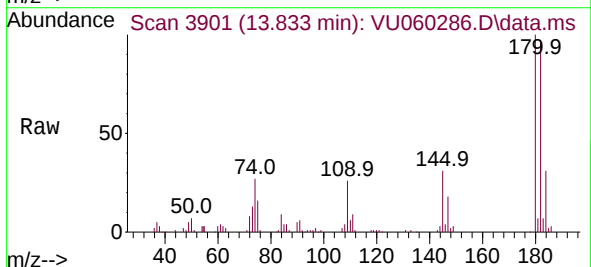
Tgt Ion:180 Resp: 88207

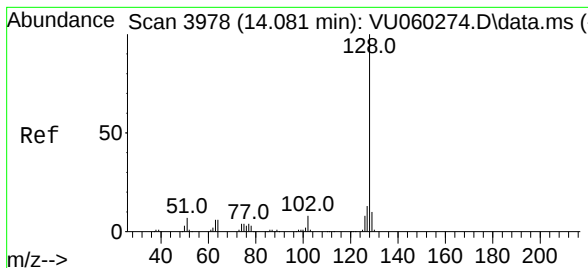
Ion Ratio Lower Upper

180 100

182 97.5 76.4 114.6

145 30.0 23.0 34.4





#71

Naphthalene

Concen: 38.125 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD050091

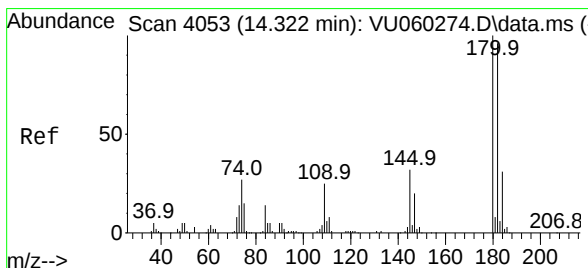
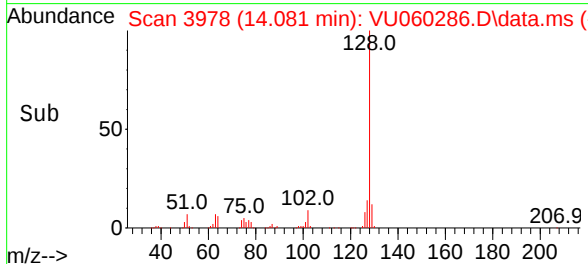
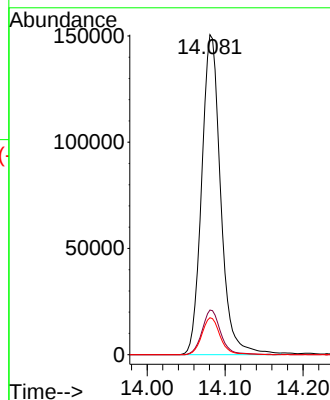
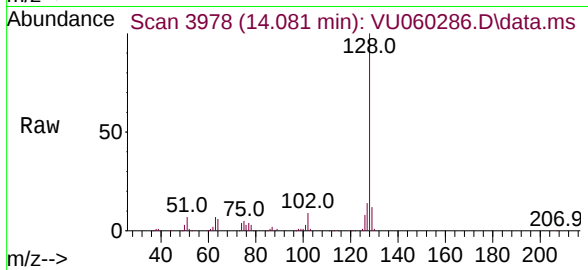
Tgt Ion:128 Resp: 255105

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 40.841 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU060286.D

Acq: 01 Aug 2024 09:13

Tgt Ion:180 Resp: 94879

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

145 31.7 24.5 36.7

