

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053447.D
 Acq On : 28 Mar 2023 20:35
 Operator : JC/MD
 Sample : 02037-08MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45E9MSD

Quant Time: Mar 29 01:15:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	208362	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	197857	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	101610	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	90575	47.119	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.240%
7) Chloroethane-d5	1.912	69	73451	47.239	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.480%
11) 1,1-Dichloroethene-d2	2.568	63	148231	44.514	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.020%
21) 2-Butanone-d5	4.620	46	113207	126.978	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.980%
24) Chloroform-d	5.057	84	152575	48.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.380%
26) 1,2-Dichloroethane-d4	5.697	65	99180	50.441	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.880%
32) Benzene-d6	5.722	84	300814	46.874	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.740%
36) 1,2-Dichloropropane-d6	6.684	67	101410	48.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.920%
41) Toluene-d8	7.893	98	281988	47.195	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.172	79	48830	47.783	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.560%
47) 2-Hexanone-d5	8.629	63	67578	104.360	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.360%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141070	52.577	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.160%
66) 1,2-Dichlorobenzene-d4	12.188	152	103517	52.615	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91082	41.879	ug/L	99
3) Chloromethane	1.520	50	97663	48.733	ug/L	97
5) Vinyl chloride	1.604	62	100442	45.817	ug/L	99
6) Bromomethane	1.858	94	57528	43.655	ug/L	97
8) Chloroethane	1.932	64	59685	46.091	ug/L	98
9) Trichlorofluoromethane	2.137	101	122571	44.811	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	73227	44.256	ug/L	96
12) 1,1-Dichloroethene	2.578	96	66938	43.745	ug/L	95
13) Acetone	2.633	43	74175	73.050	ug/L	92
14) Carbon disulfide	2.790	76	179042	38.631	ug/L	99
15) Methyl Acetate	2.944	43	80487	57.830	ug/L	94
16) Methylene chloride	3.044	84	77599	41.802	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	68692	44.243	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	236583	45.316	ug/L	97
19) 1,1-Dichloroethane	3.864	63	142280	44.893	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	80515	44.152	ug/L	100
22) 2-Butanone	4.700	43	122446	105.847	ug/L	90
23) Bromochloromethane	4.970	128	39274	45.168	ug/L	92
25) Chloroform	5.083	83	143557	45.266	ug/L	99

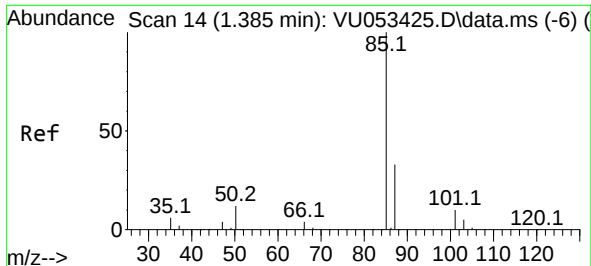
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	112620	44.985	ug/L	100
29) Cyclohexane	5.385	56	122590	41.582	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	117750	43.661	ug/L	99
31) Carbon tetrachloride	5.520	117	95312	43.138	ug/L	100
33) Benzene	5.767	78	308190	44.929	ug/L	100
34) Trichloroethene	6.536	95	78863	44.093	ug/L	95
35) Methylcyclohexane	6.758	83	118873	37.916	ug/L	94
37) 1,2-Dichloropropane	6.787	63	88101	46.035	ug/L	100
38) Bromodichloromethane	7.099	83	102559	43.062	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	135592	43.124	ug/L	99
40) 4-Methyl-2-pentanone	7.783	43	242788	123.426	ug/L	93
42) Toluene	7.963	91	325215	44.100	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	124796	43.420	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	81034	46.501	ug/L	99
46) Tetrachloroethene	8.549	164	55161	47.404	ug/L	98
48) 2-Hexanone	8.677	43	187262	113.684	ug/L	94
49) Dibromochloromethane	8.806	129	75082	42.119	ug/L	96
50) 1,2-Dibromoethane	8.918	107	87696	47.229	ug/L	100
51) Chlorobenzene	9.443	112	207514	45.149	ug/L	99
52) Ethylbenzene	9.565	91	366416	43.815	ug/L	97
53) m,p-Xylene	9.690	106	133852	42.883	ug/L	99
54) o-Xylene	10.095	106	132202	42.824	ug/L	98
55) Styrene	10.108	104	226402	44.003	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	140899	49.316	ug/L	98
59) Bromoform	10.285	173	56381	48.759	ug/L	99
60) 1,2,3-Trichloropropane	10.815	75	106623	52.807	ug/L	98
61) Isopropylbenzene	10.478	105	353973	44.091	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	287203	43.218	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	280224	43.260	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	159475	47.364	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	162264	48.005	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	161306	47.932	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	27792	49.777	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	108211	50.691	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	101106	52.712	ug/L	98
71) Naphthalene	14.082	128	356351	55.120	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	102897	56.568	ug/L	99

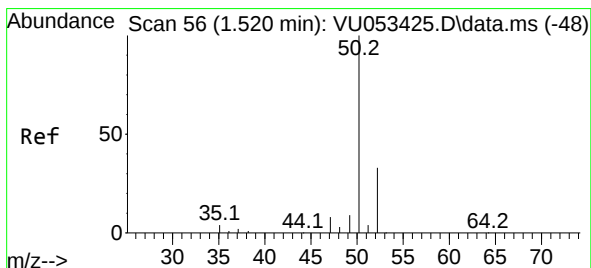
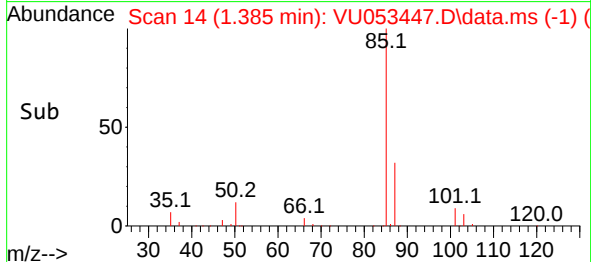
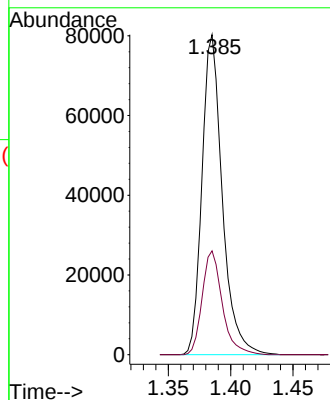
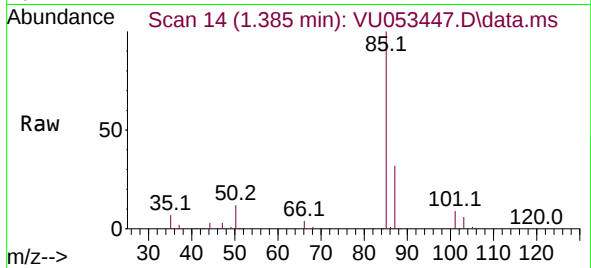
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#2
Dichlorodifluoromethane
Concen: 41.879 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

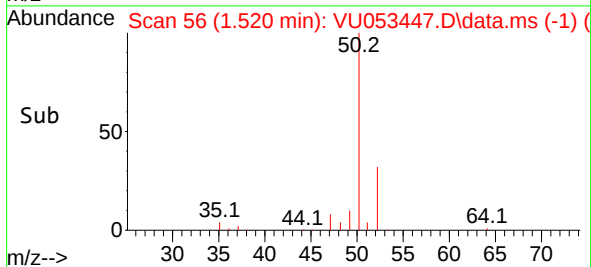
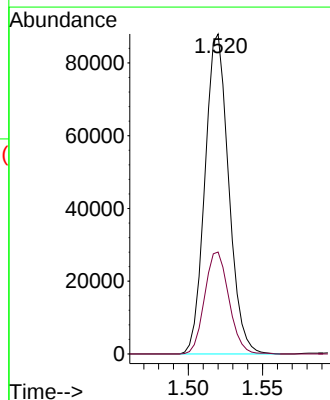
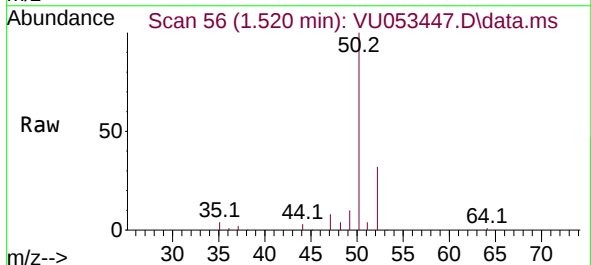
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

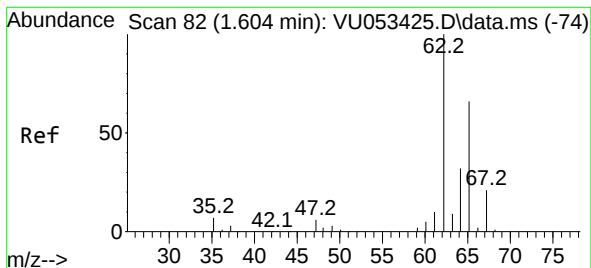
Tgt Ion: 85 Resp: 91082
Ion Ratio Lower Upper
85 100
87 32.0 25.8 38.8



#3
Chloromethane
Concen: 48.733 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion: 50 Resp: 97663
Ion Ratio Lower Upper
50 100
52 31.9 23.4 43.4





#5

Vinyl chloride

Concen: 45.817 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

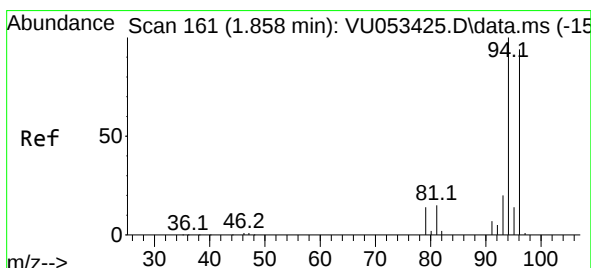
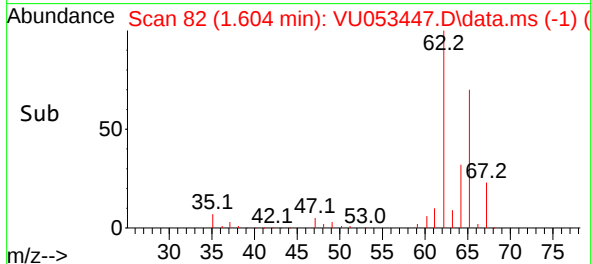
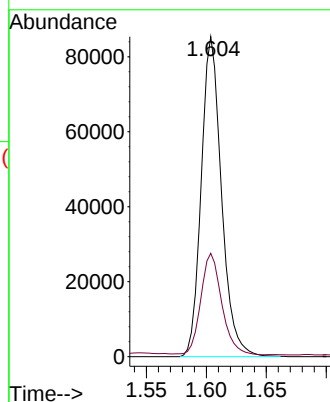
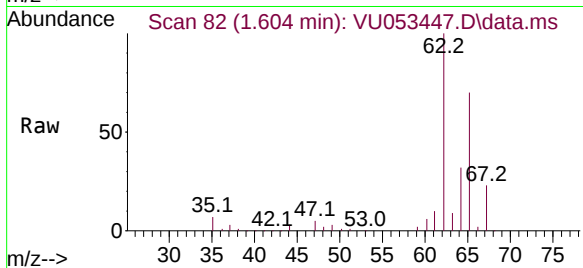
E45E9MSD

Tgt Ion: 62 Resp: 100442

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



#6

Bromomethane

Concen: 43.655 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU053447.D

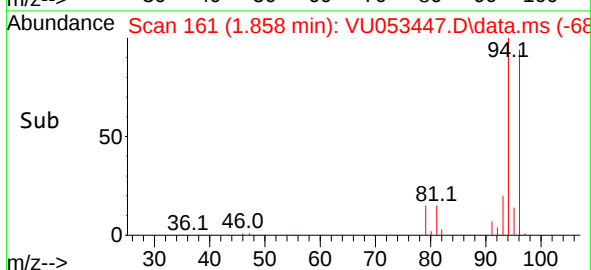
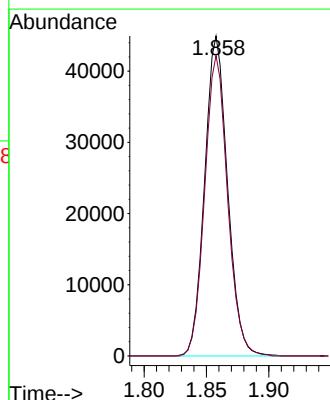
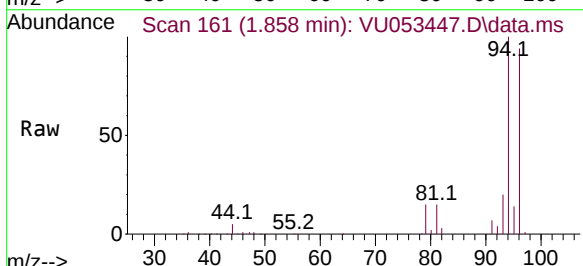
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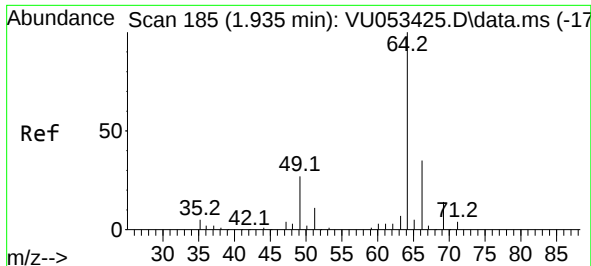
Tgt Ion: 94 Resp: 57528

Ion Ratio Lower Upper

94 100

96 93.9 67.5 125.3

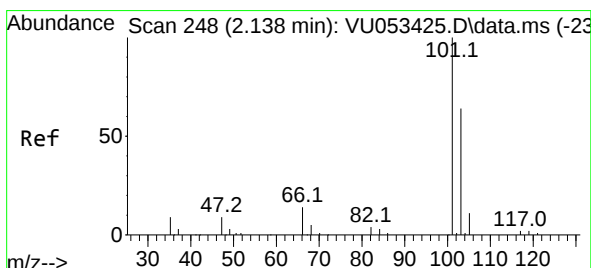
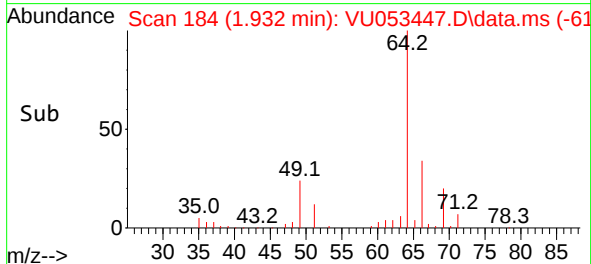
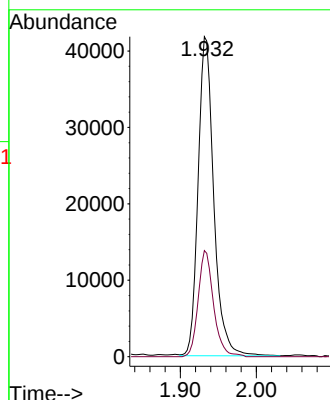
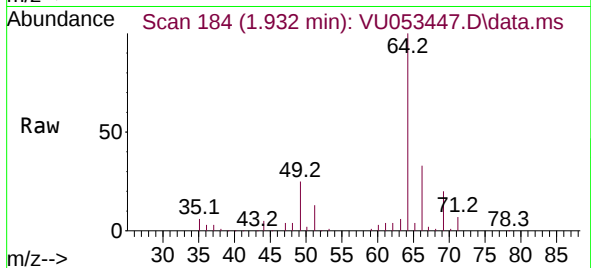




#8
Chloroethane
Concen: 46.091 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

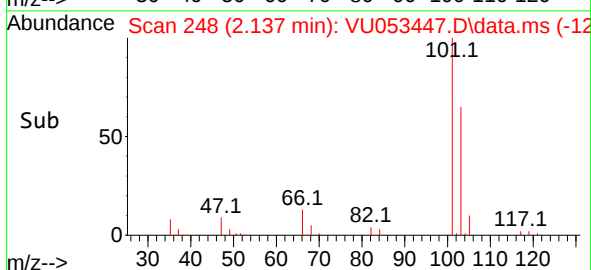
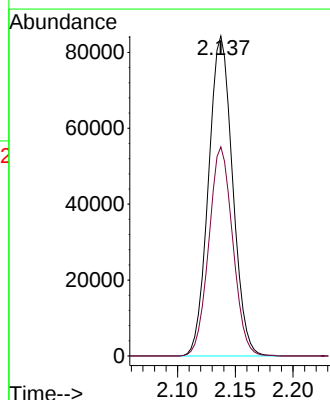
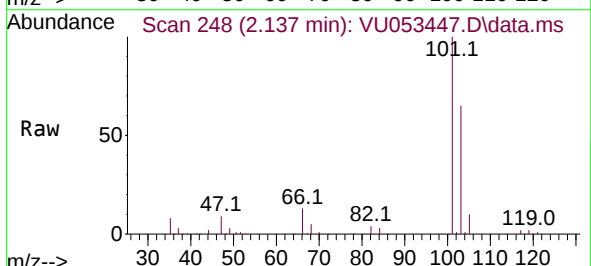
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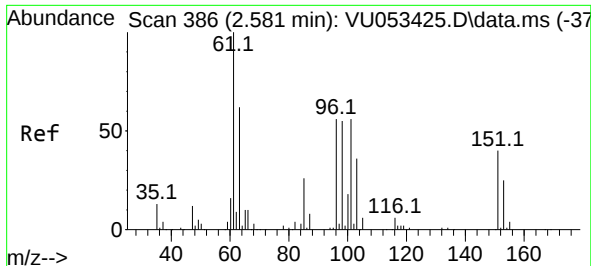
Tgt Ion: 64 Resp: 59685
Ion Ratio Lower Upper
64 100
66 33.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 44.811 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion:101 Resp: 122571
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0

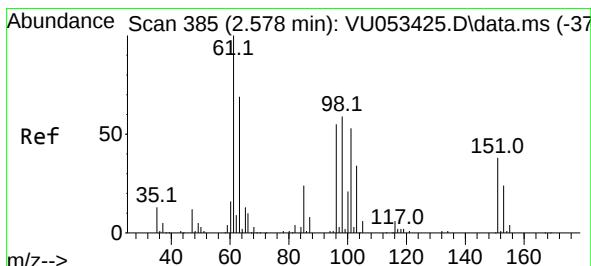
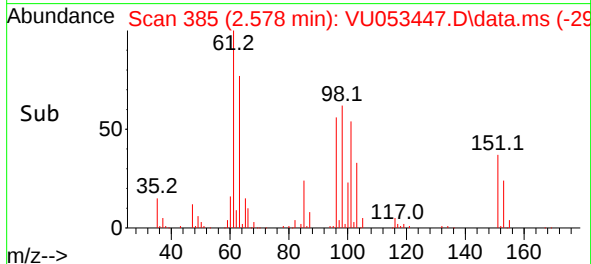
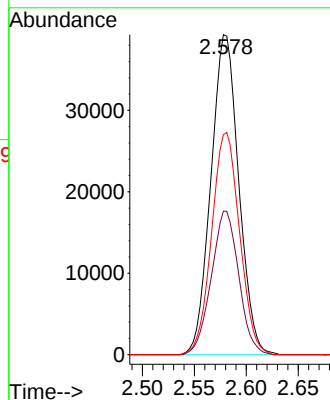
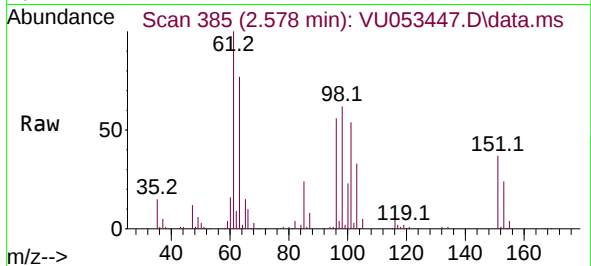




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 44.256 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

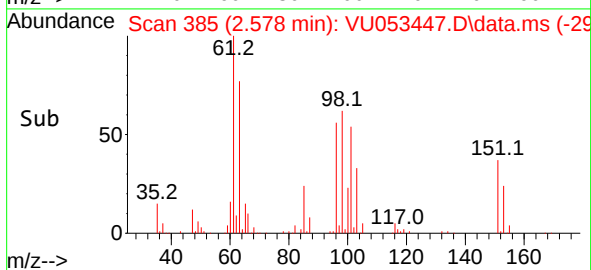
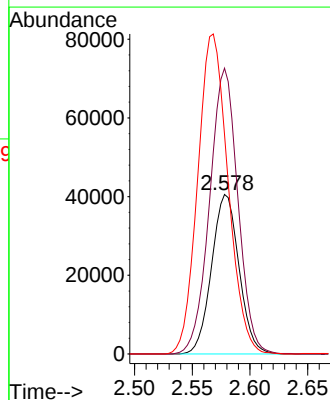
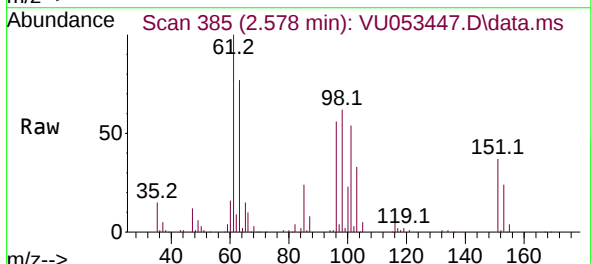
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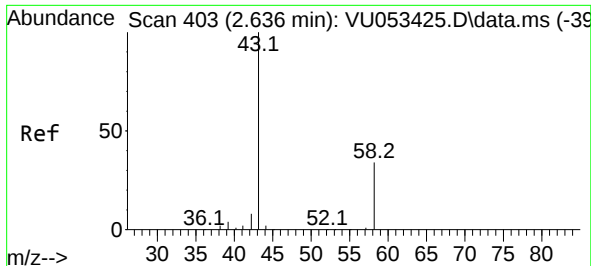
Tgt Ion:101 Resp: 73227
Ion Ratio Lower Upper
101 100
85 44.2 37.0 55.6
151 69.8 52.9 79.3



#12
1,1-Dichloroethene
Concen: 43.745 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion: 96 Resp: 66938
Ion Ratio Lower Upper
96 100
61 179.1 122.2 226.9
63 137.7 89.9 166.9





#13

Acetone

Concen: 73.050 ug/L

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

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MSVOA_U

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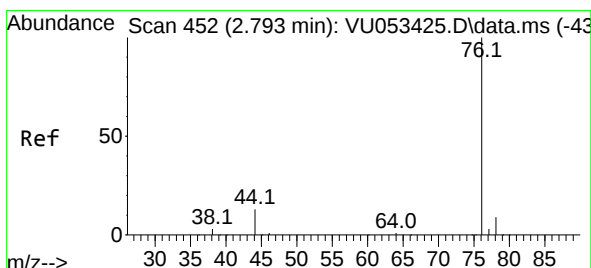
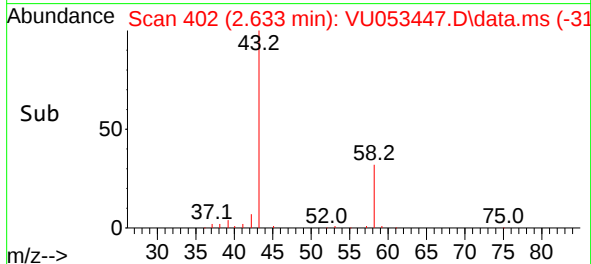
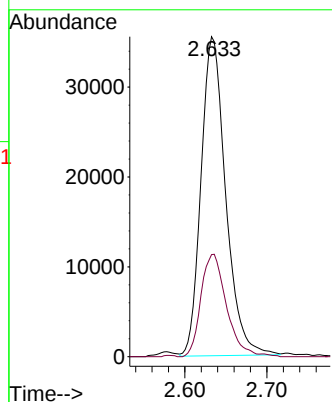
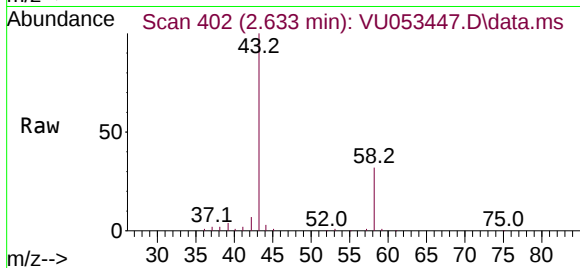
E45E9MSD

Tgt Ion: 43 Resp: 74175

Ion Ratio Lower Upper

43 100

58 33.0 0.0 75.0



#14

Carbon disulfide

Concen: 38.631 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053447.D

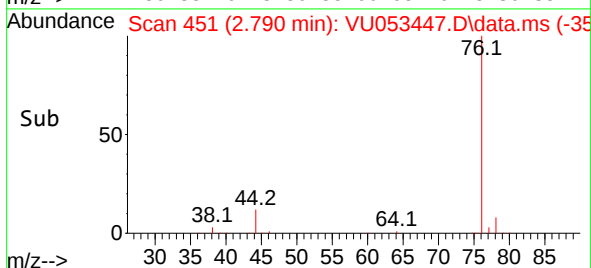
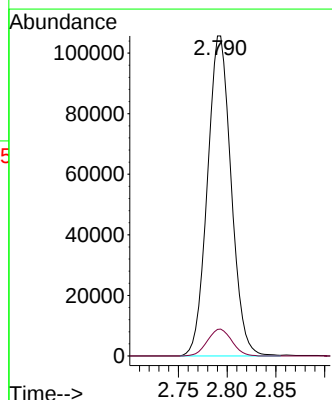
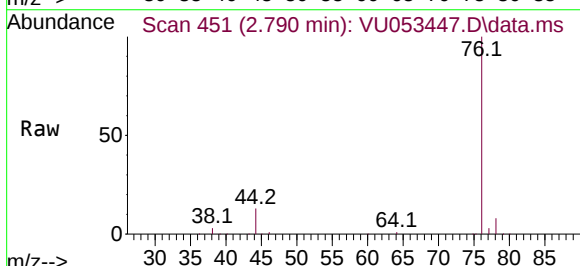
Acq: 28 Mar 2023 20:35

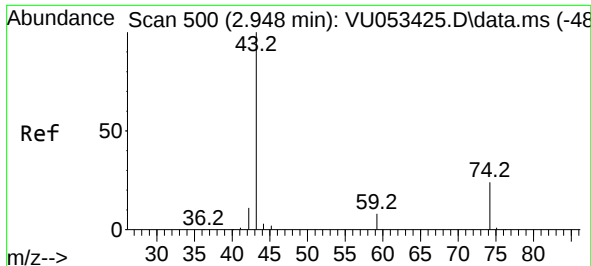
Tgt Ion: 76 Resp: 179042

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.6

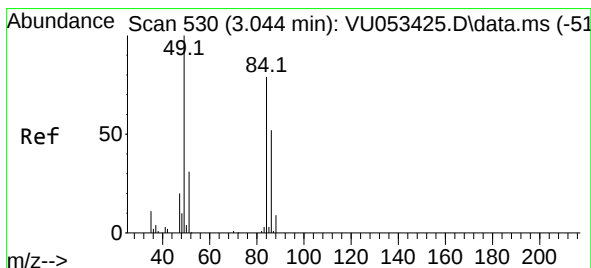
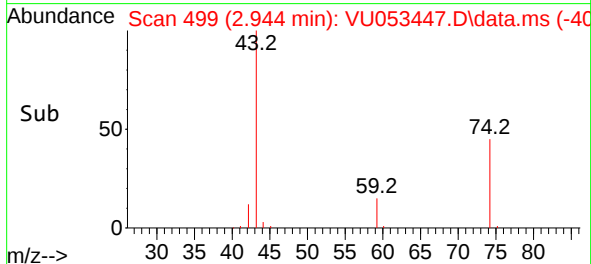
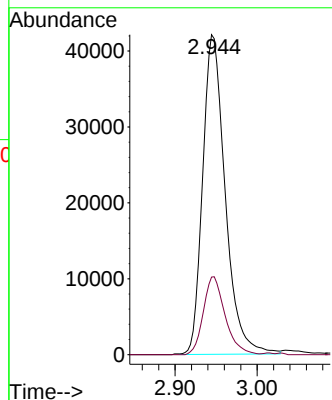
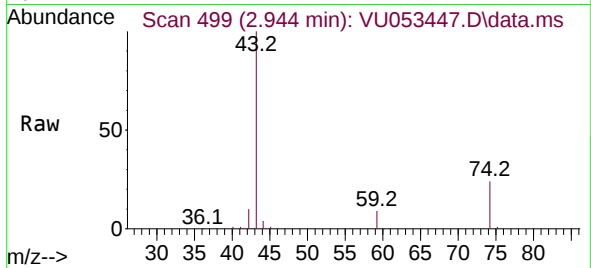




#15
Methyl Acetate
Concen: 57.830 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

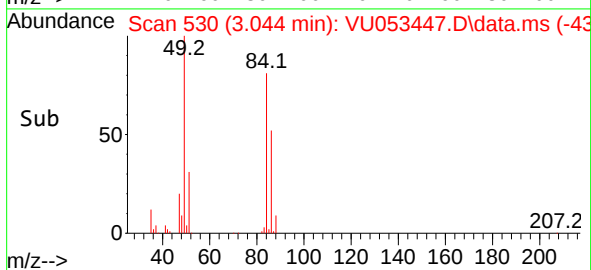
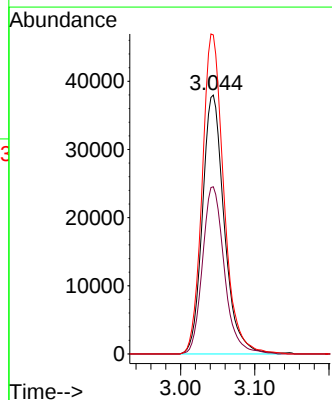
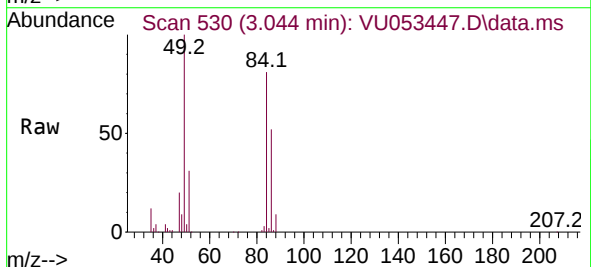
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

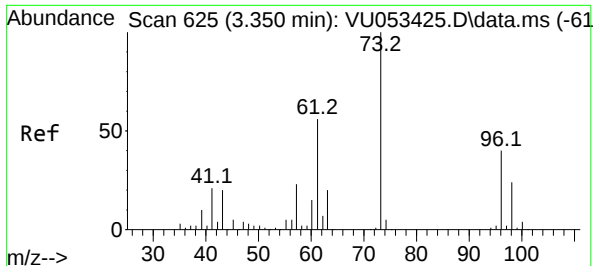
Tgt Ion: 43 Resp: 80487
Ion Ratio Lower Upper
43 100
74 23.6 21.4 32.0



#16
Methylene chloride
Concen: 41.802 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion: 84 Resp: 77599
Ion Ratio Lower Upper
84 100
86 64.6 44.4 82.4
49 123.2 81.6 151.6

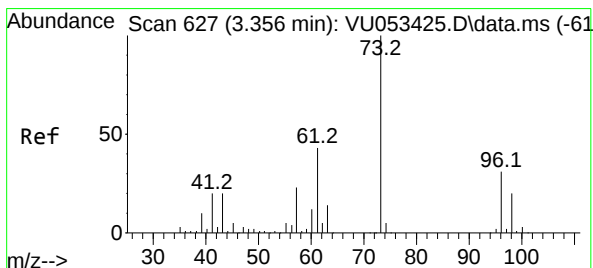
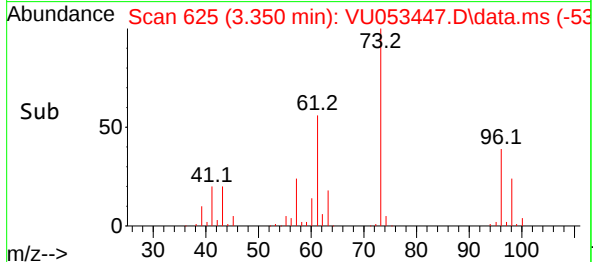
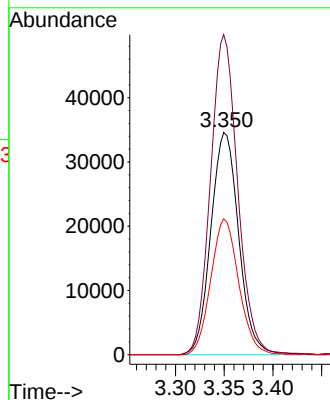
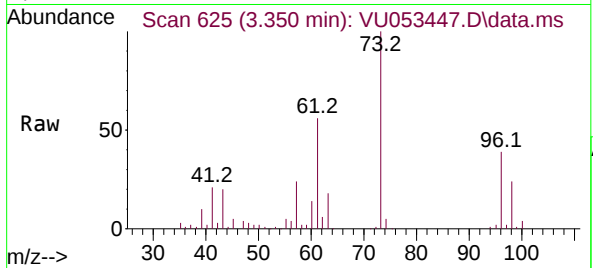




#17
trans-1,2-Dichloroethene
Concen: 44.243 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

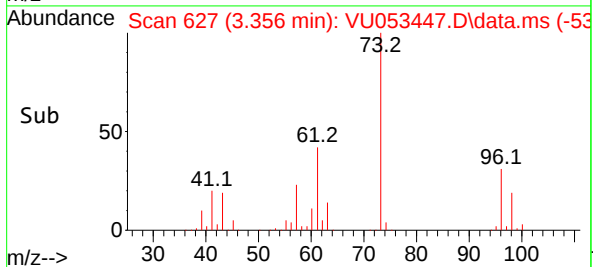
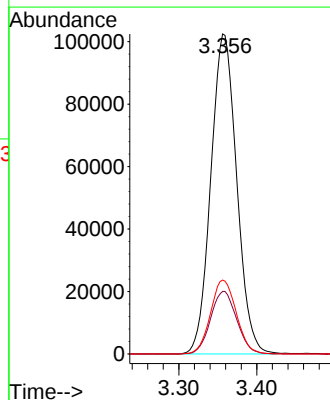
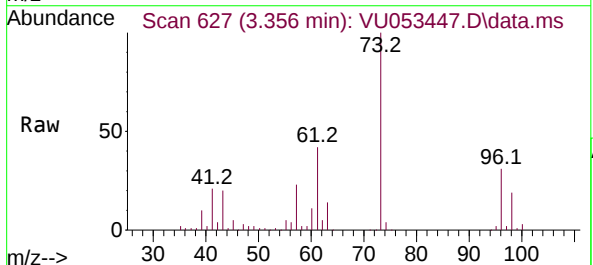
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

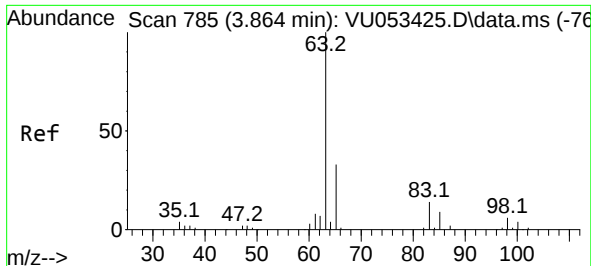
Tgt Ion: 96 Resp: 68692
Ion Ratio Lower Upper
96 100
61 143.9 99.6 185.0
98 61.1 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 45.316 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion: 73 Resp: 236583
Ion Ratio Lower Upper
73 100
43 19.8 14.2 21.2
57 23.0 18.0 27.0

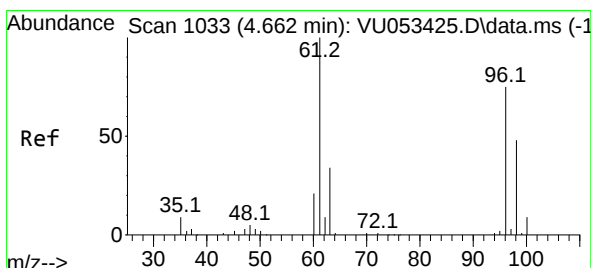
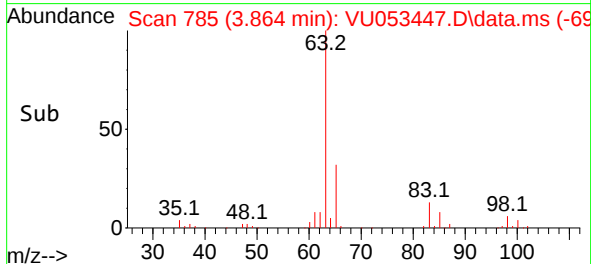
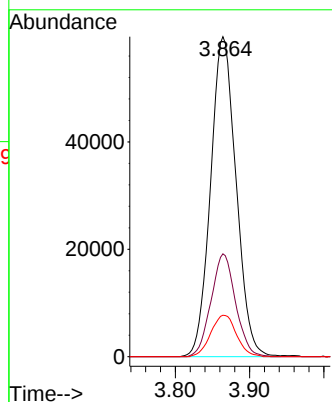
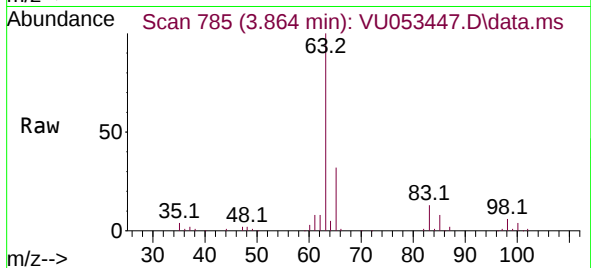




#19
1,1-Dichloroethane
Concen: 44.893 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

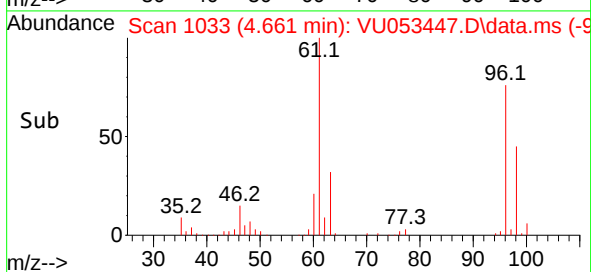
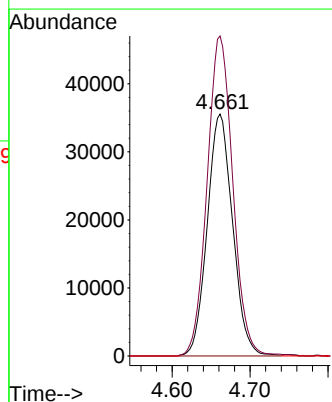
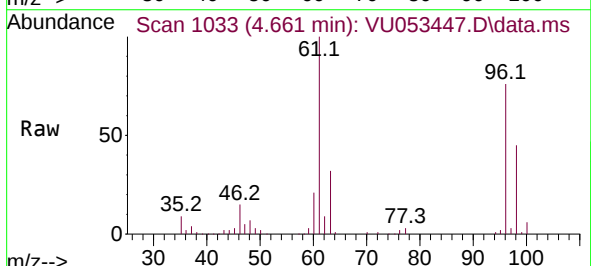
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

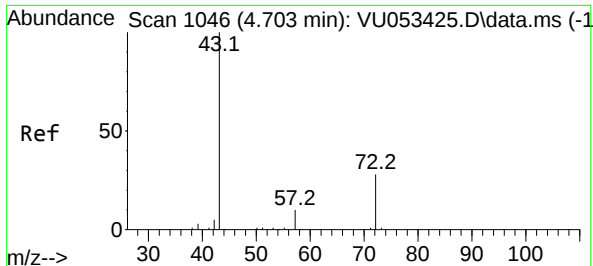
Tgt Ion: 63 Resp: 142280
Ion Ratio Lower Upper
63 100
65 32.2 22.8 42.4
83 13.0 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 44.152 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion: 96 Resp: 80515
Ion Ratio Lower Upper
96 100
61 132.3 92.5 171.7
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.847 ug/L

RT: 4.700 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

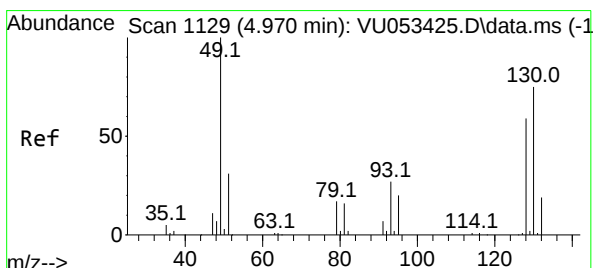
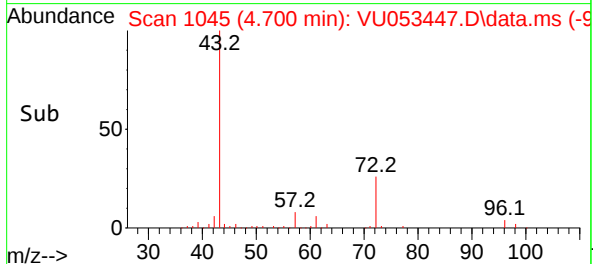
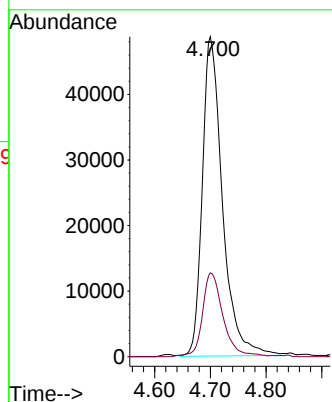
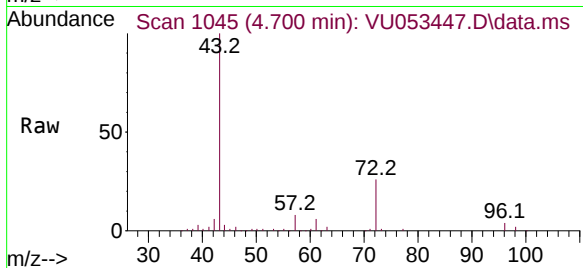
E45E9MSD

Tgt Ion: 43 Resp: 122446

Ion Ratio Lower Upper

43 100

72 26.5 16.0 47.9



#23

Bromochloromethane

Concen: 45.168 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Tgt Ion:128 Resp: 39274

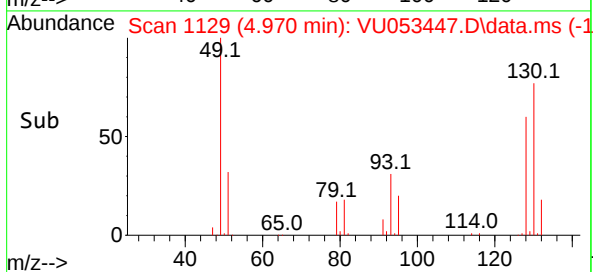
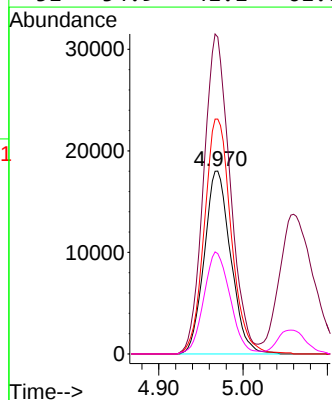
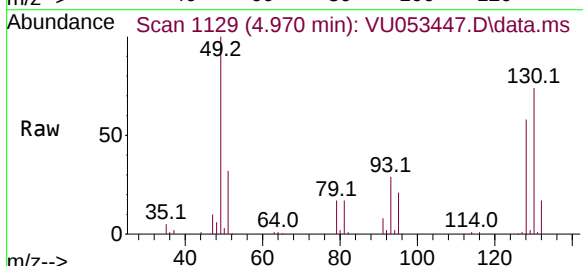
Ion Ratio Lower Upper

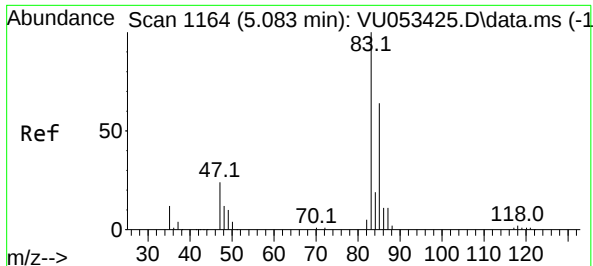
128 100

49 173.2 109.9 204.1

130 128.5 87.2 161.9

51 54.9 41.1 61.7





#25

Chloroform

Concen: 45.266 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

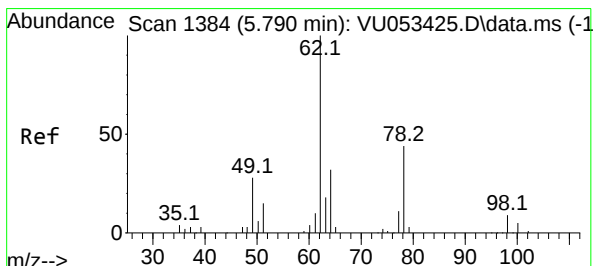
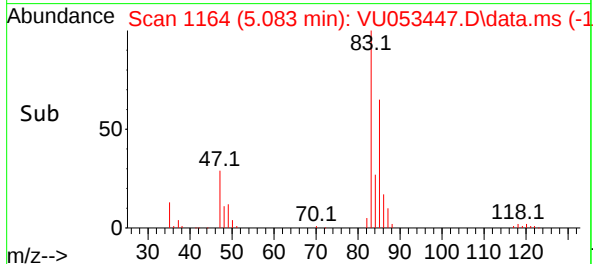
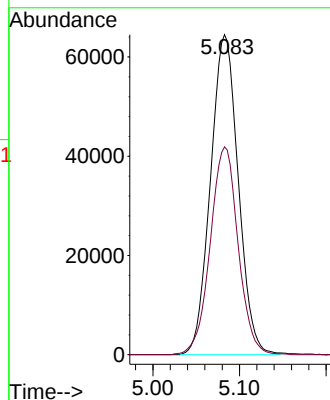
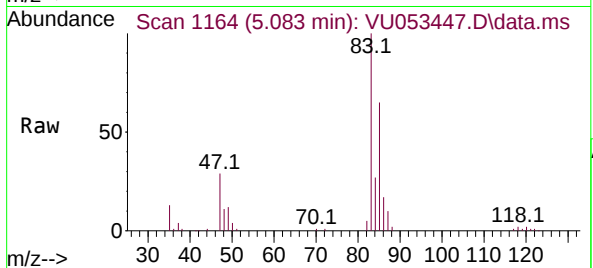
E45E9MSD

Tgt Ion: 83 Resp: 143557

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3



#27

1,2-Dichloroethane

Concen: 44.985 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053447.D

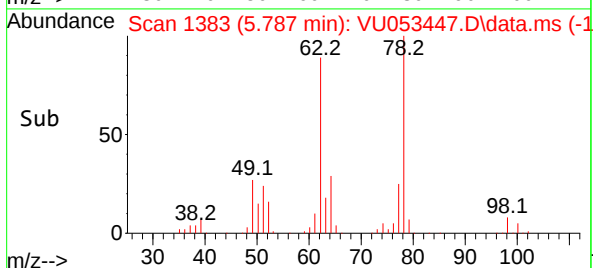
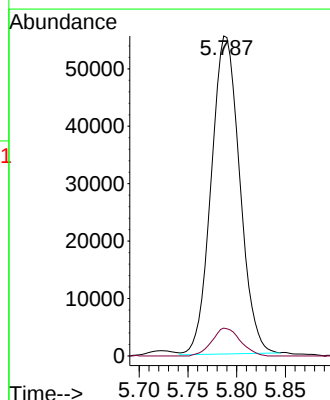
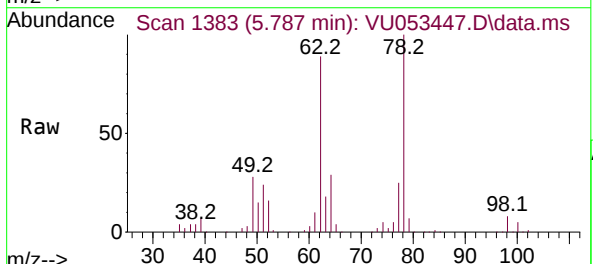
Acq: 28 Mar 2023 20:35

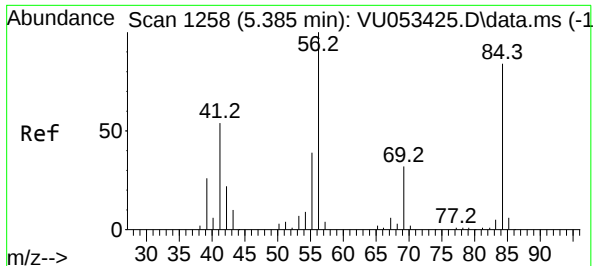
Tgt Ion: 62 Resp: 112620

Ion Ratio Lower Upper

62 100

98 8.7 7.0 10.6





#29

Cyclohexane

Concen: 41.582 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

E45E9MSD

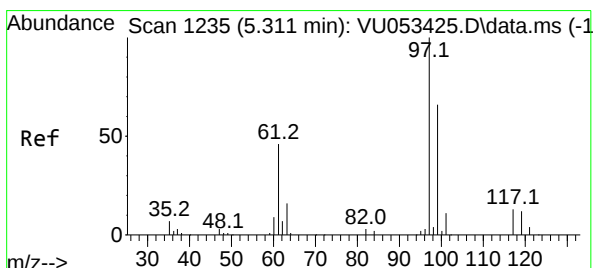
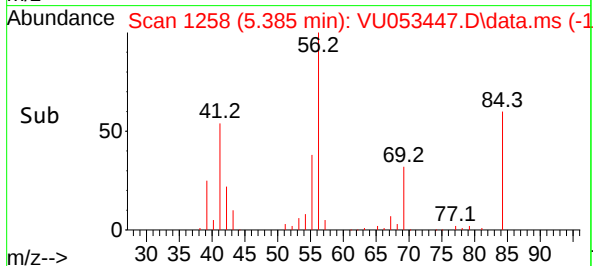
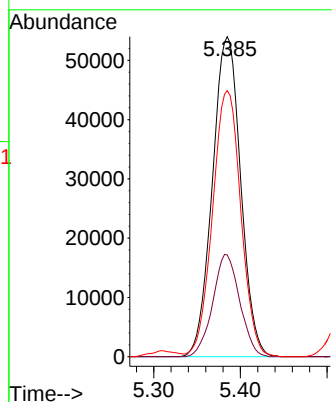
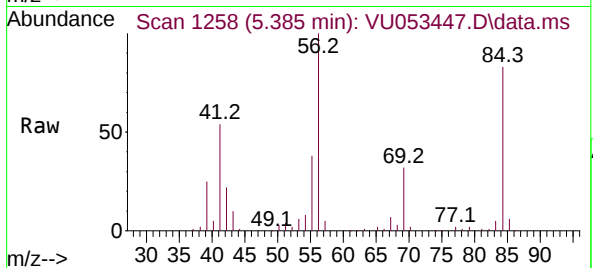
Tgt Ion: 56 Resp: 122590

Ion Ratio Lower Upper

56 100

69 30.4 25.4 38.0

84 83.2 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 43.661 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

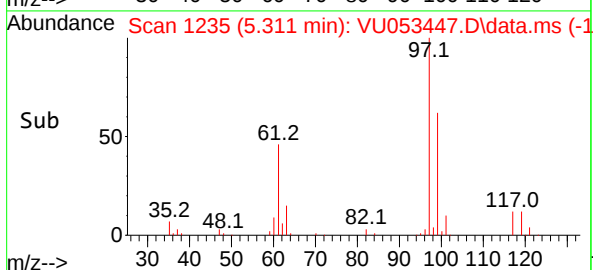
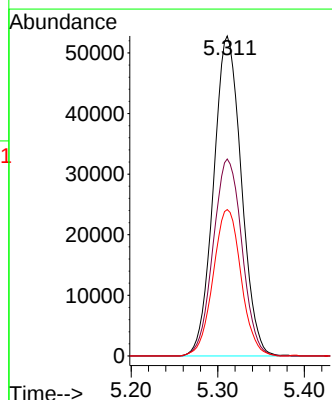
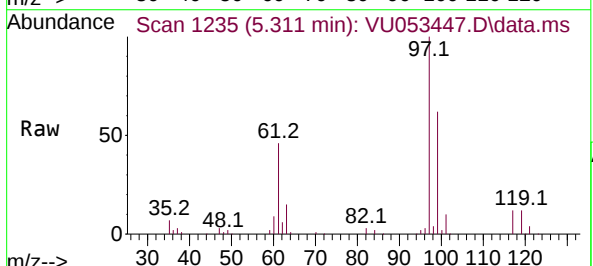
Tgt Ion: 97 Resp: 117750

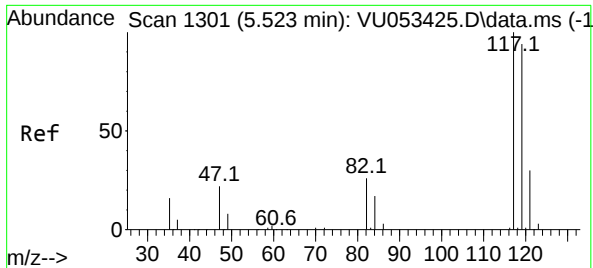
Ion Ratio Lower Upper

97 100

99 63.9 50.6 76.0

61 46.2 36.0 54.0

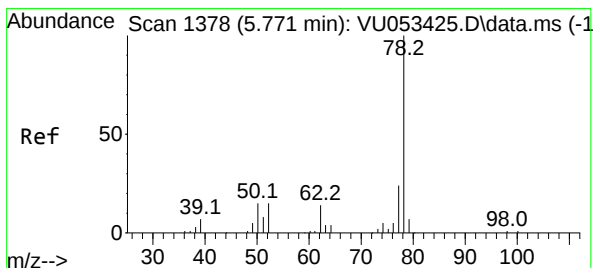
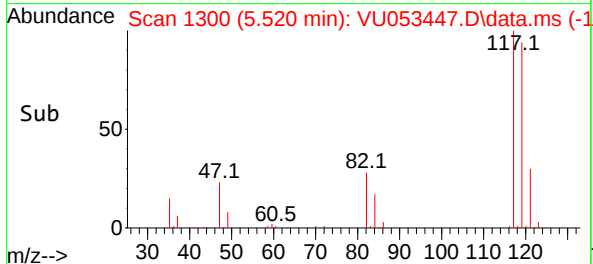
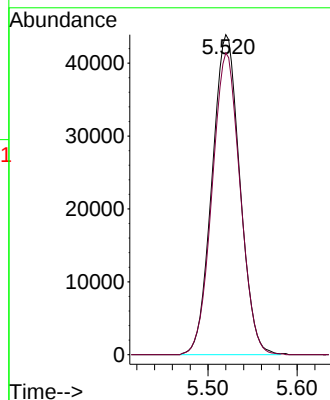
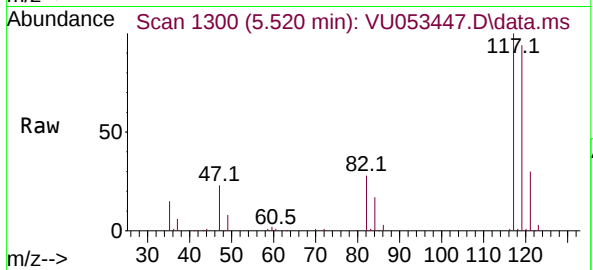




#31
Carbon tetrachloride
Concen: 43.138 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

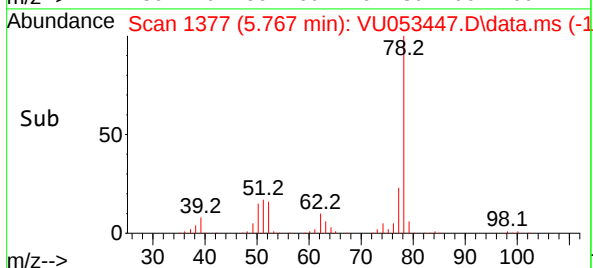
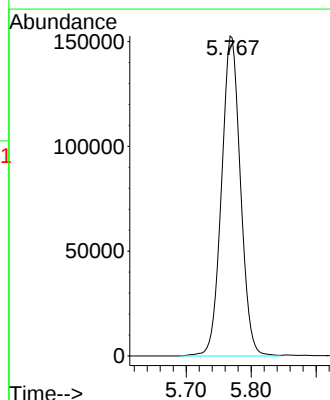
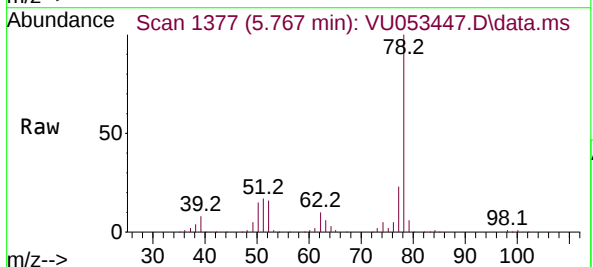
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

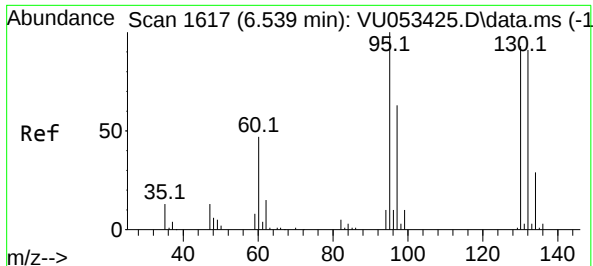
Tgt Ion:117 Resp: 95312
Ion Ratio Lower Upper
117 100
119 94.8 76.2 114.2



#33
Benzene
Concen: 44.929 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion: 78 Resp: 308190

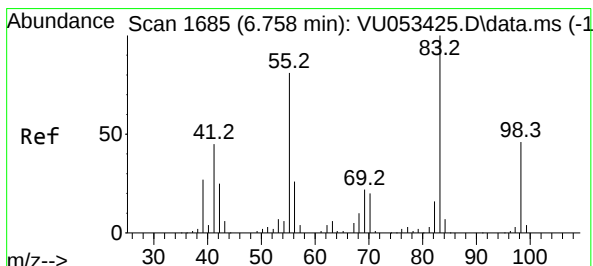
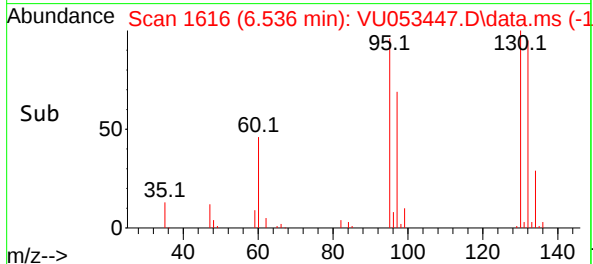
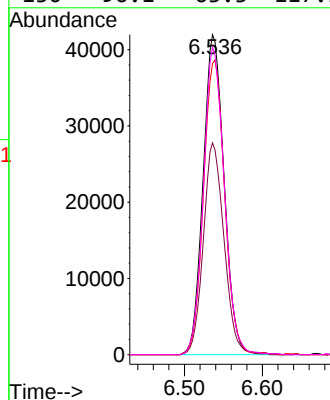
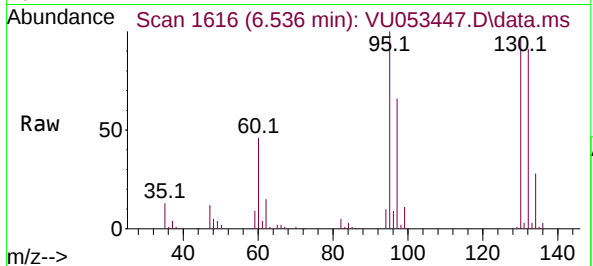




#34
Trichloroethene
Concen: 44.093 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

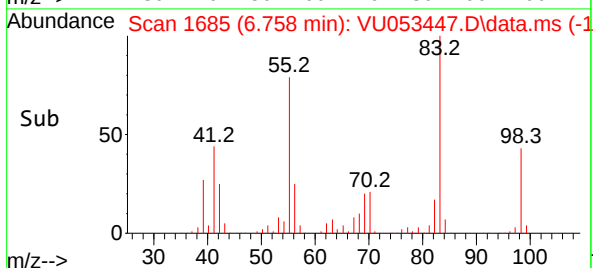
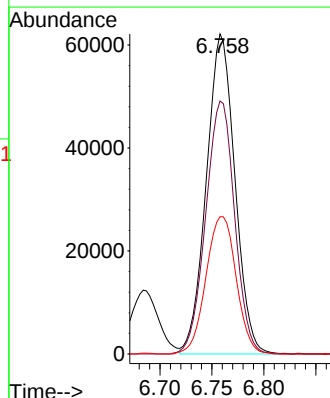
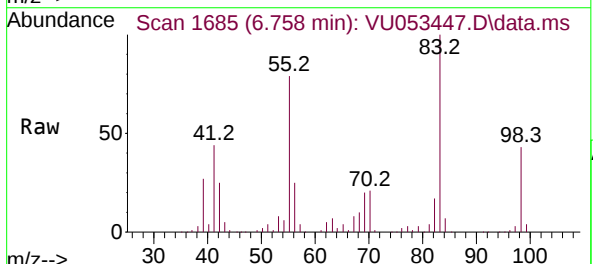
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

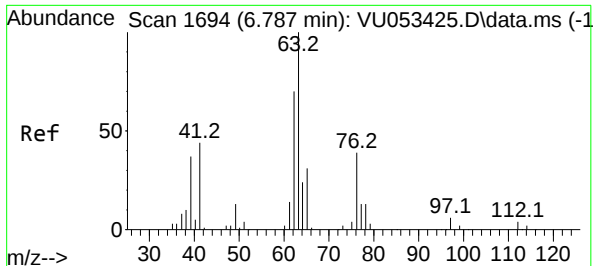
Tgt Ion: 95 Resp: 78863
Ion Ratio Lower Upper
95 100
97 66.2 43.8 81.3
132 91.0 61.5 114.3
130 96.1 63.3 117.5



#35
Methylcyclohexane
Concen: 37.916 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion: 83 Resp: 118873
Ion Ratio Lower Upper
83 100
55 80.1 58.2 87.4
98 45.4 35.4 53.2





#37

1,2-Dichloropropane

Concen: 46.035 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

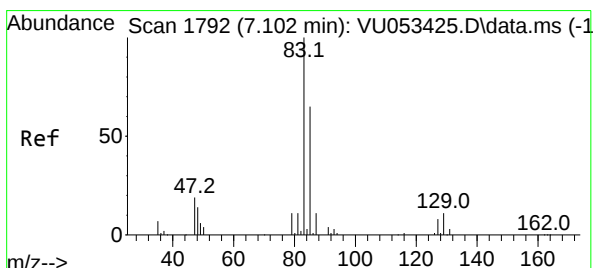
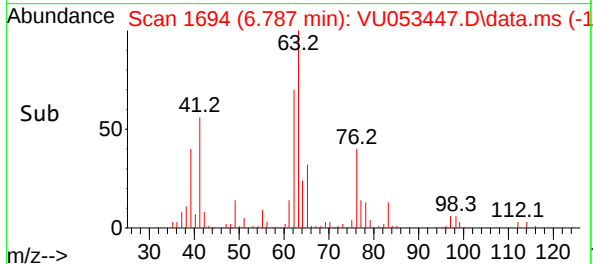
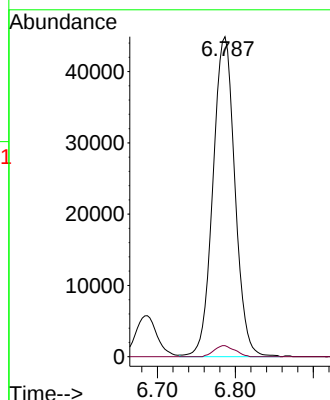
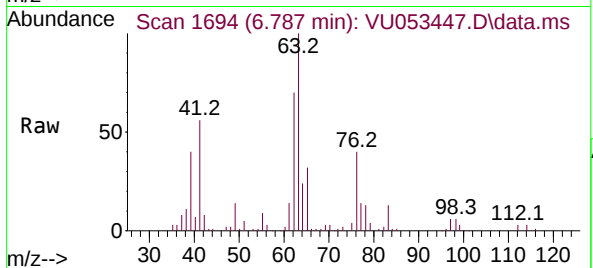
E45E9MSD

Tgt Ion: 63 Resp: 88101

Ion Ratio Lower Upper

63 100

112 3.2 2.6 3.8



#38

Bromodichloromethane

Concen: 43.062 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.003 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

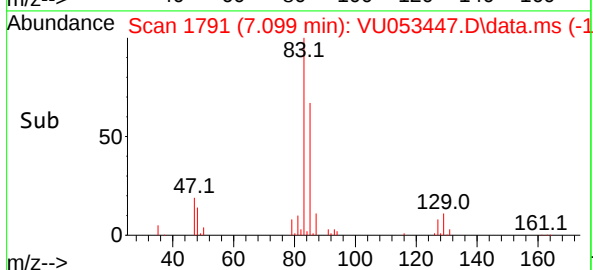
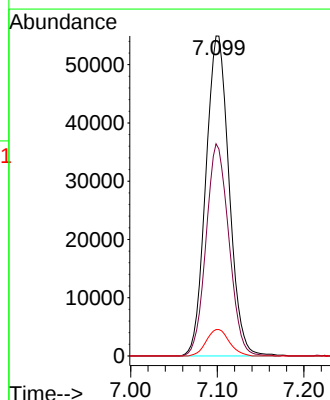
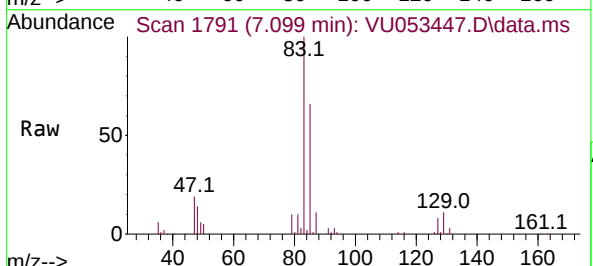
Tgt Ion: 83 Resp: 102559

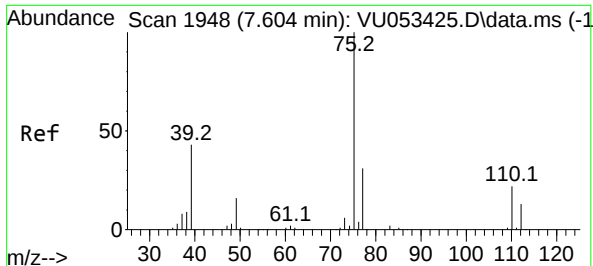
Ion Ratio Lower Upper

83 100

85 66.3 45.4 84.2

127 8.3 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 43.124 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

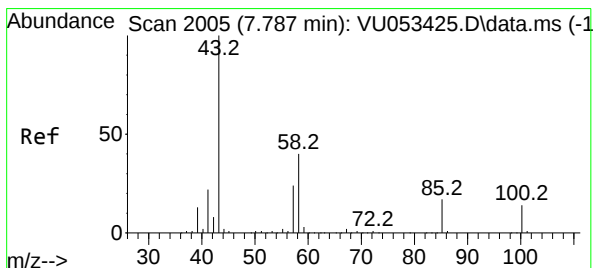
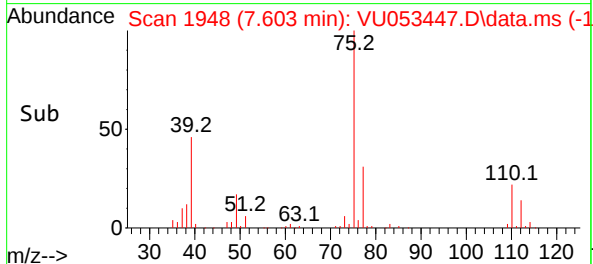
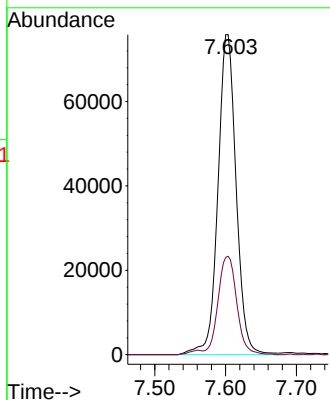
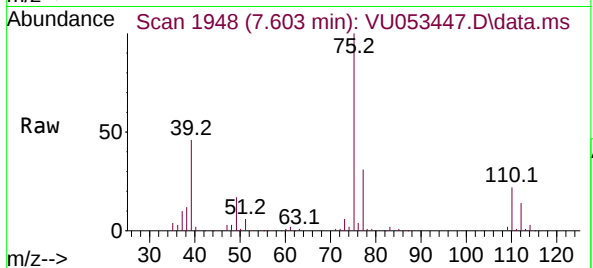
E45E9MSD

Tgt Ion: 75 Resp: 135592

Ion Ratio Lower Upper

75 100

77 30.7 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 123.426 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

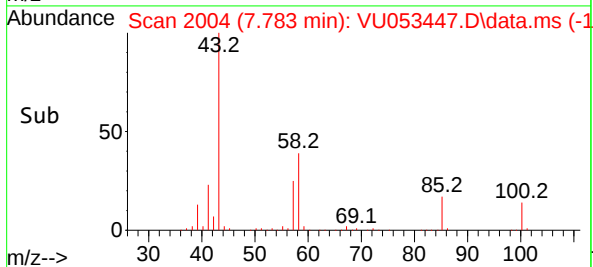
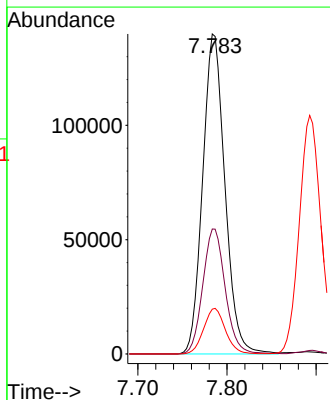
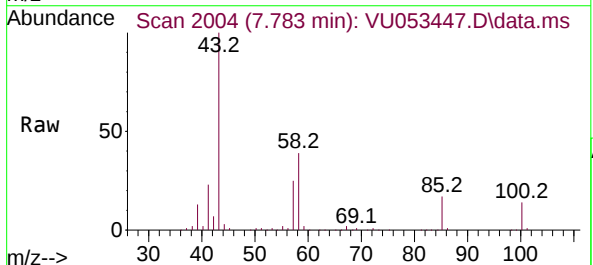
Tgt Ion: 43 Resp: 242788

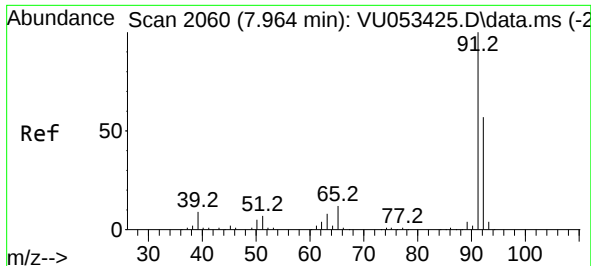
Ion Ratio Lower Upper

43 100

58 39.4 35.8 53.6

100 13.9 13.0 19.6





#42

Toluene

Concen: 44.100 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

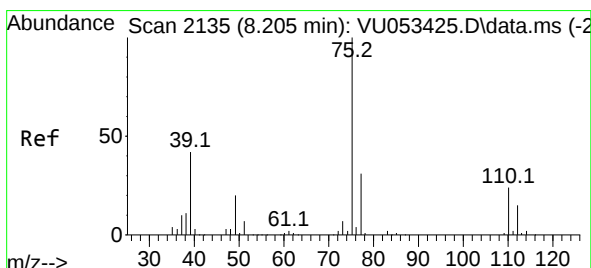
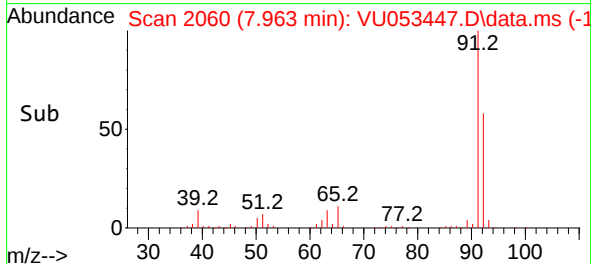
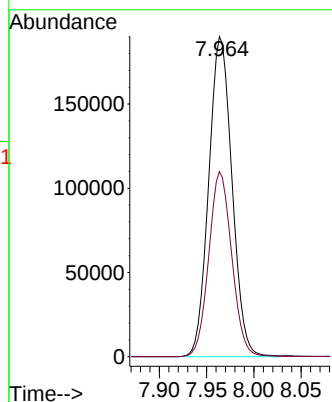
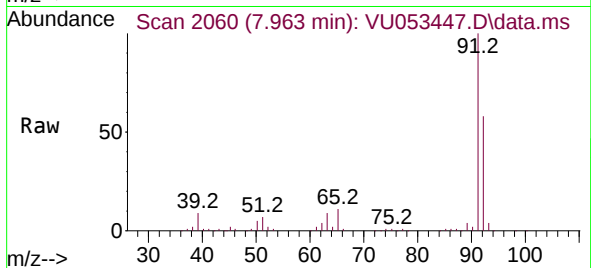
E45E9MSD

Tgt Ion: 91 Resp: 325215

Ion Ratio Lower Upper

91 100

92 57.8 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 43.420 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053447.D

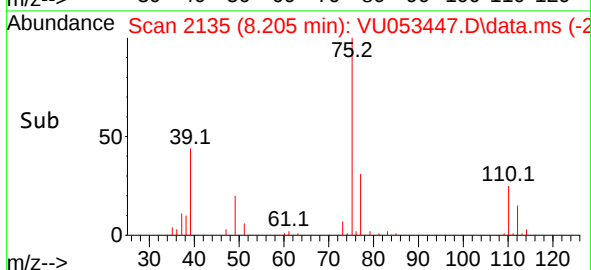
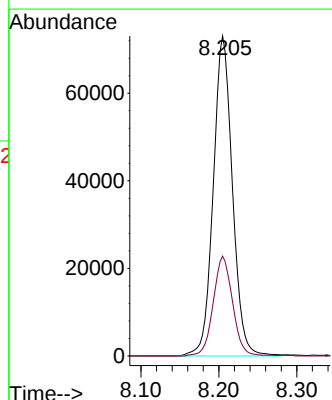
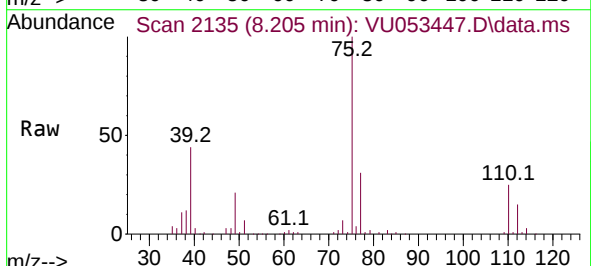
Acq: 28 Mar 2023 20:35

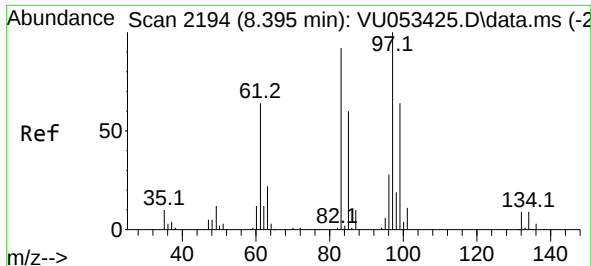
Tgt Ion: 75 Resp: 124796

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8

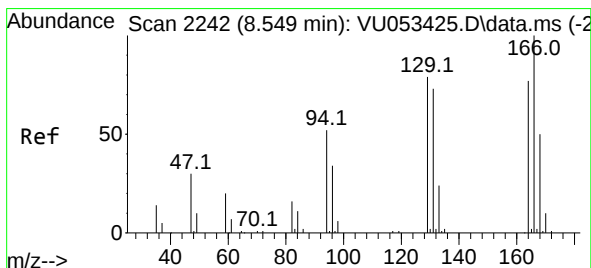
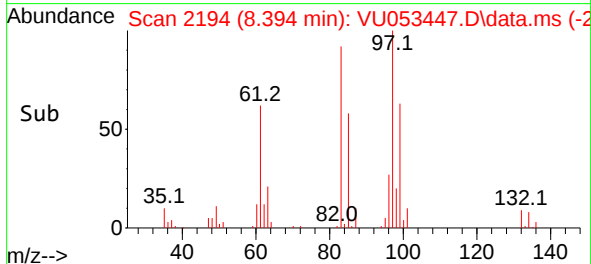
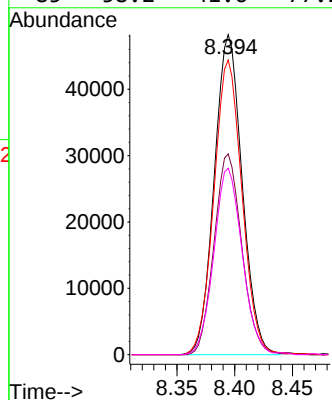
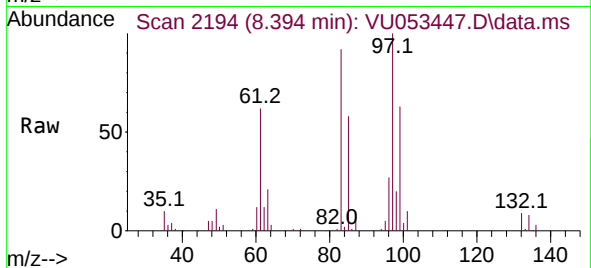




#45
1,1,2-Trichloroethane
Concen: 46.501 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

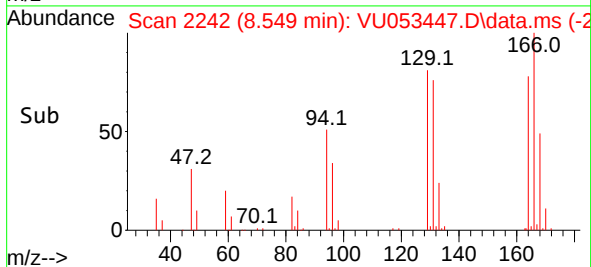
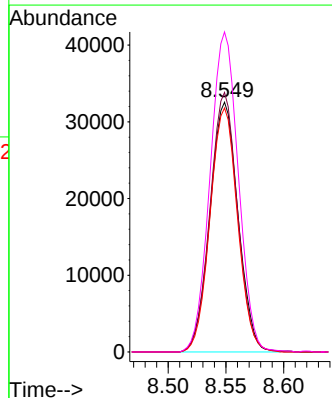
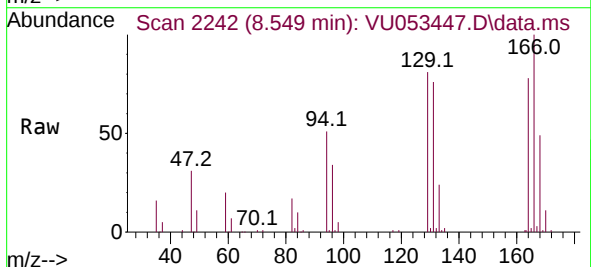
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

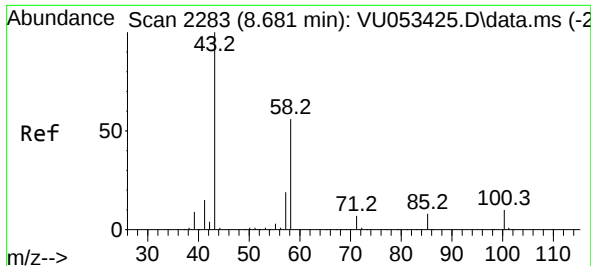
Tgt Ion:	97	Resp:	81034
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.4	82.4
83	92.1	63.8	118.6
85	58.2	41.6	77.2



#46
Tetrachloroethene
Concen: 47.404 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion:	164	Resp:	55161
Ion	Ratio	Lower	Upper
164	100		
129	103.9	73.6	136.8
131	97.7	70.3	130.7
166	128.1	88.9	165.1

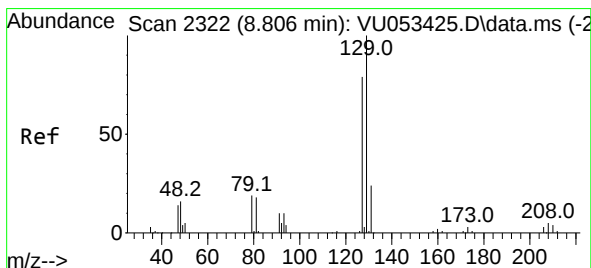
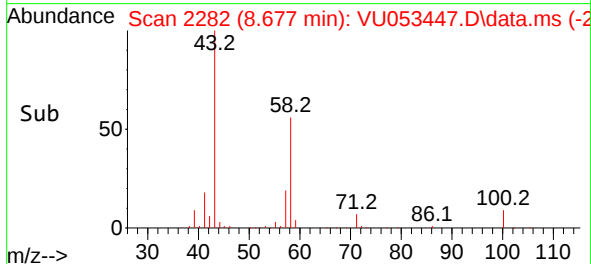
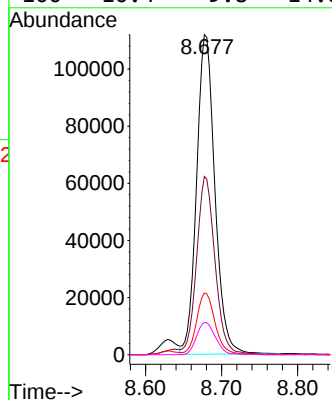
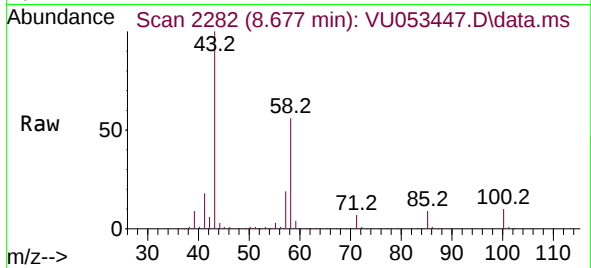




#48
2-Hexanone
Concen: 113.684 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

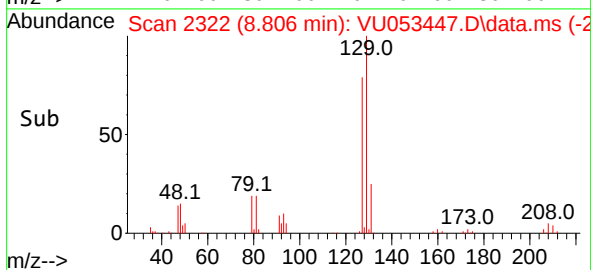
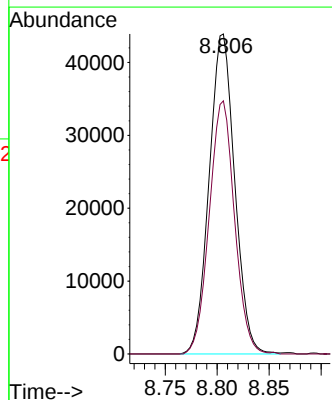
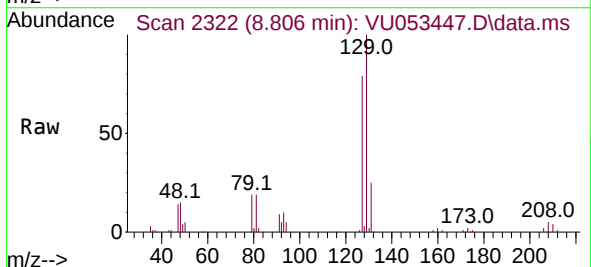
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

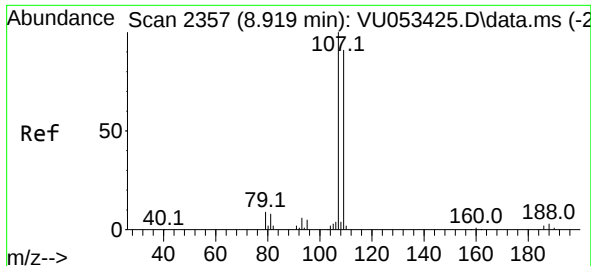
Tgt Ion: 43 Resp: 187262
Ion Ratio Lower Upper
43 100
58 56.0 49.4 74.0
57 19.5 16.9 25.3
100 10.4 9.8 14.8



#49
Dibromochloromethane
Concen: 42.119 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion:129 Resp: 75082
Ion Ratio Lower Upper
129 100
127 79.1 53.1 98.5





#50

1,2-Dibromoethane

Concen: 47.229 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

E45E9MSD

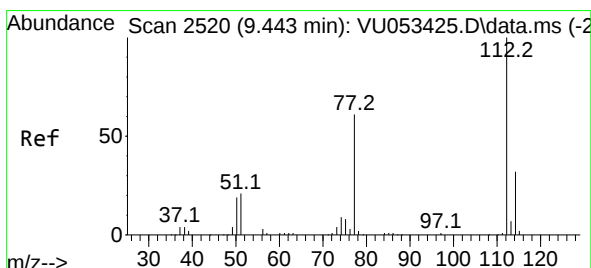
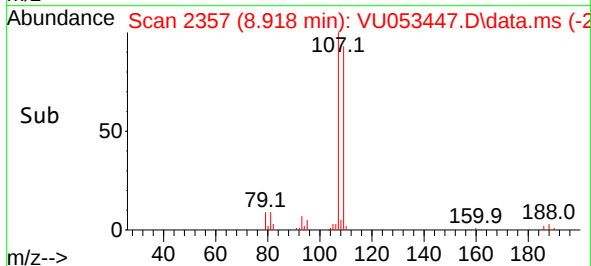
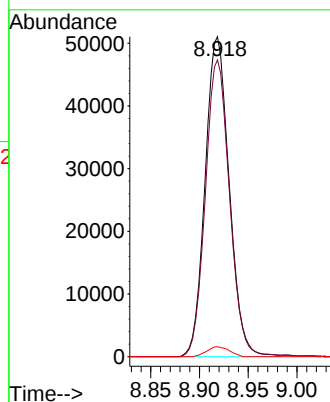
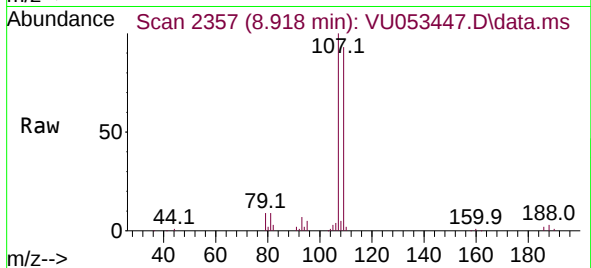
Tgt Ion:107 Resp: 87696

Ion Ratio Lower Upper

107 100

109 92.7 64.6 120.0

188 3.1 2.2 3.4



#51

Chlorobenzene

Concen: 45.149 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

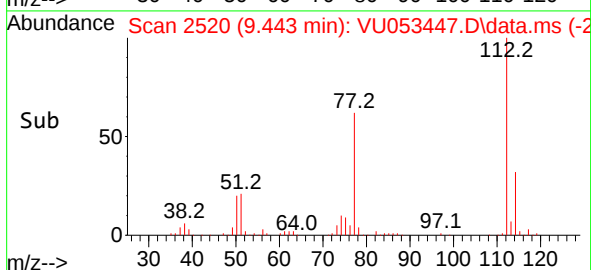
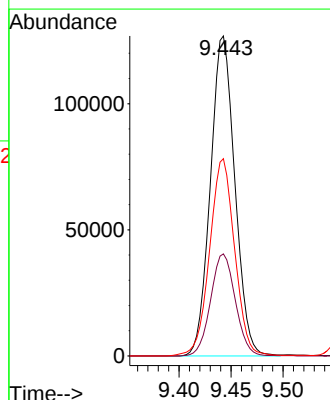
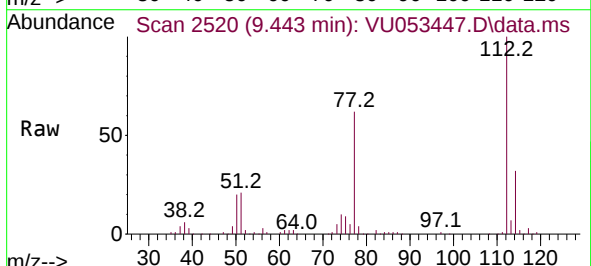
Tgt Ion:112 Resp: 207514

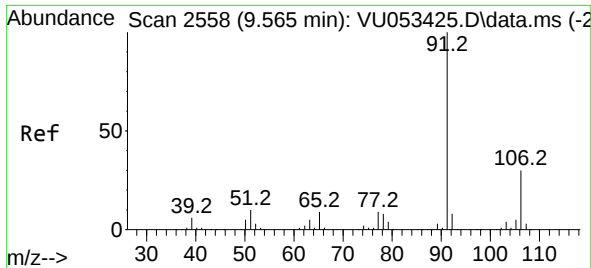
Ion Ratio Lower Upper

112 100

114 31.9 21.8 40.6

77 61.7 48.8 73.2

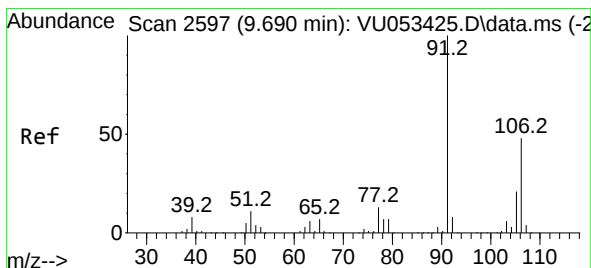
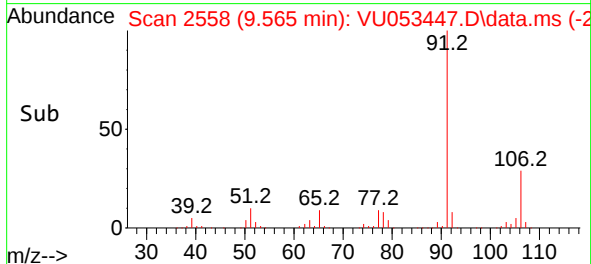
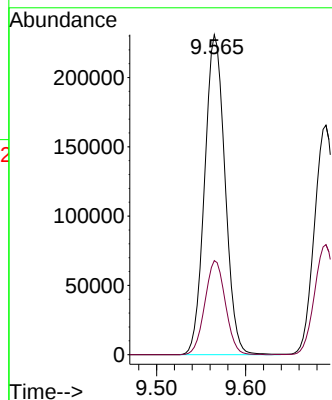
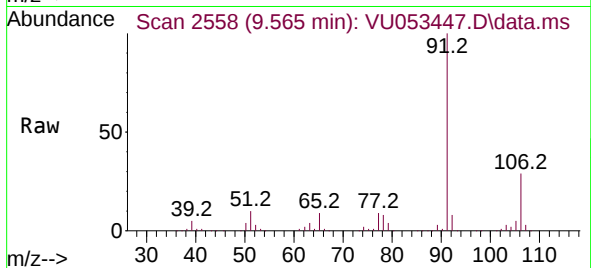




#52
Ethylbenzene
Concen: 43.815 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

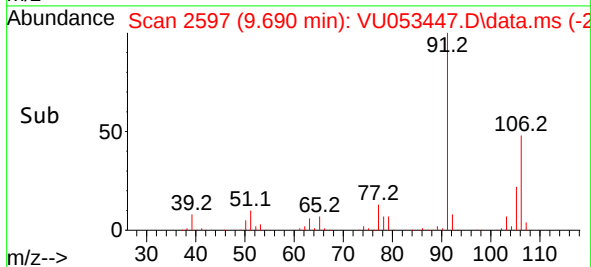
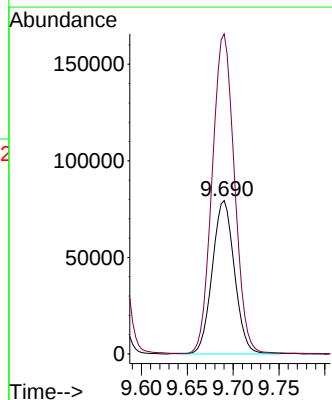
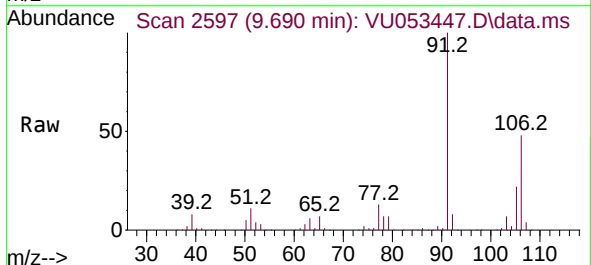
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

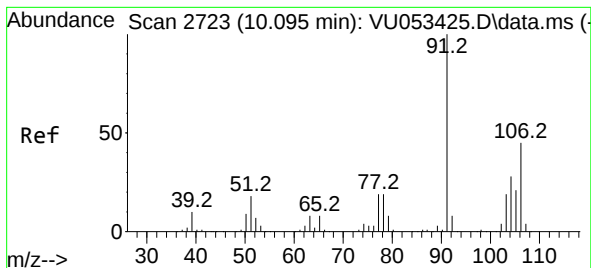
Tgt Ion: 91 Resp: 366416
Ion Ratio Lower Upper
91 100
106 29.4 21.6 40.0



#53
m,p-Xylene
Concen: 42.883 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion: 106 Resp: 133852
Ion Ratio Lower Upper
106 100
91 208.4 145.3 269.8





#54

o-Xylene

Concen: 42.824 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

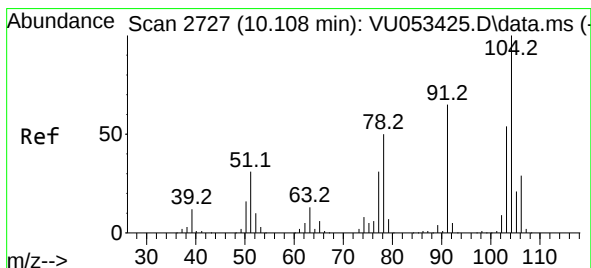
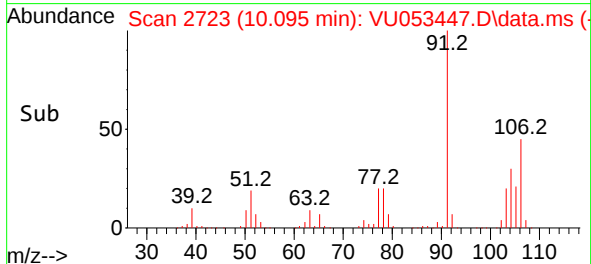
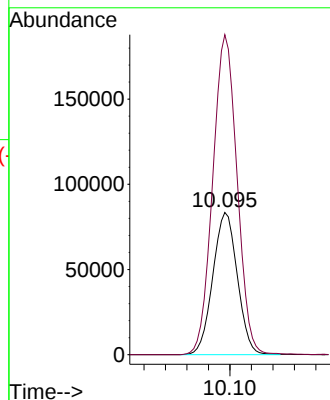
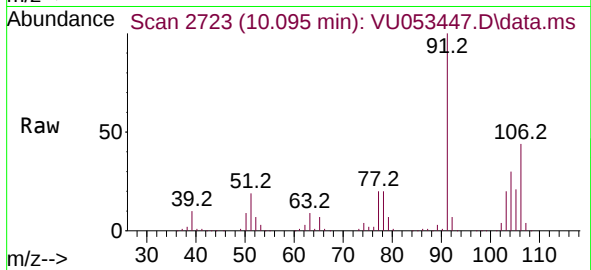
E45E9MSD

Tgt Ion:106 Resp: 132202

Ion Ratio Lower Upper

106 100

91 224.9 154.9 287.7



#55

Styrene

Concen: 44.003 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU053447.D

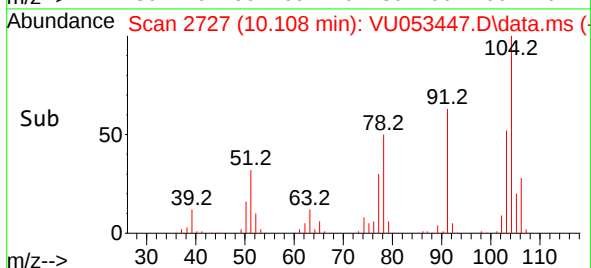
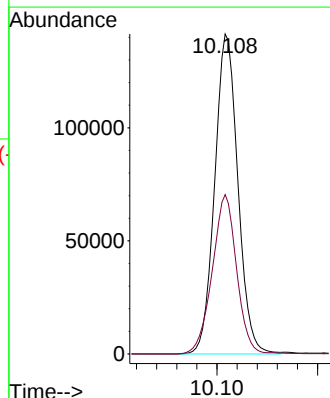
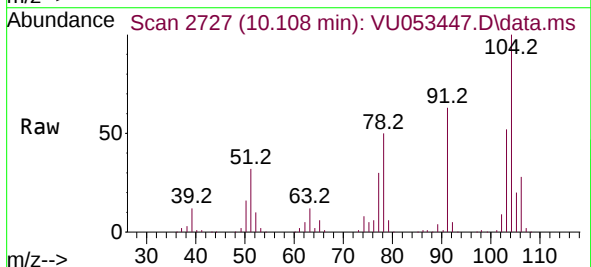
Acq: 28 Mar 2023 20:35

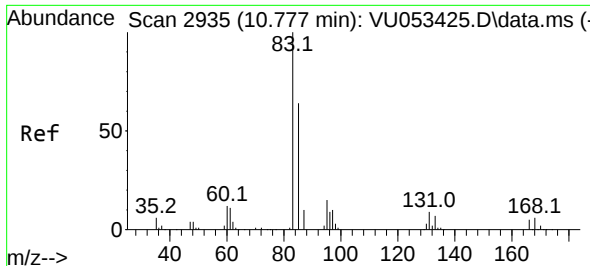
Tgt Ion:104 Resp: 226402

Ion Ratio Lower Upper

104 100

78 49.8 32.9 61.1

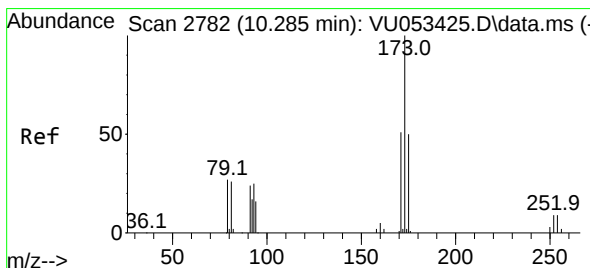
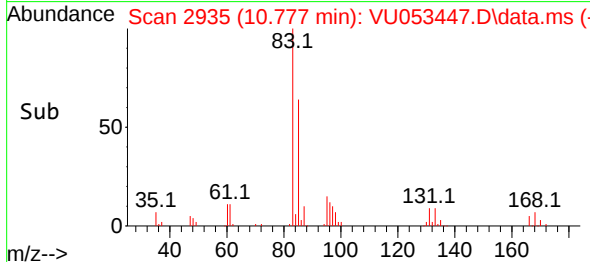
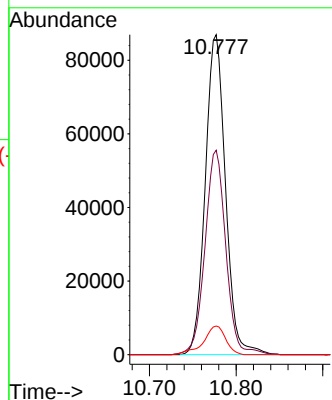
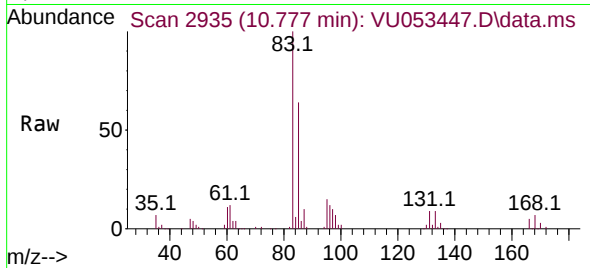




#57
1,1,2,2-Tetrachloroethane
Concen: 49.316 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

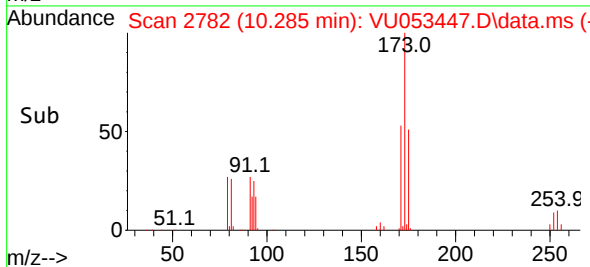
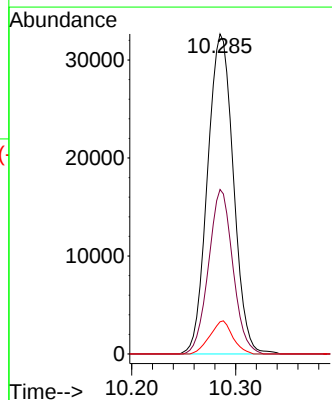
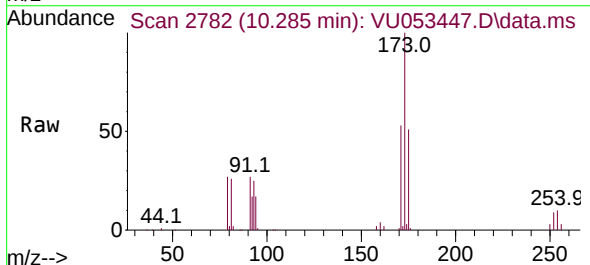
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

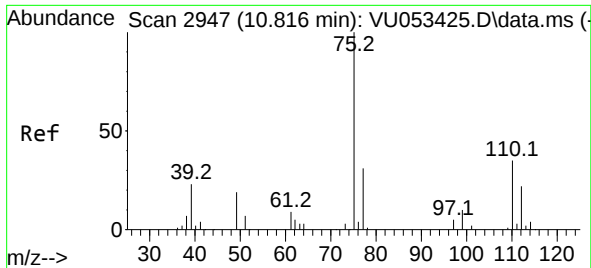
Tgt Ion:	83	Resp:	140899
Ion	Ratio	Lower	Upper
83	100		
85	63.9	46.0	85.4
131	8.9	6.6	10.0



#59
Bromoform
Concen: 48.759 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion:	173	Resp:	56381
Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.5	57.7
254	9.1	6.5	9.7

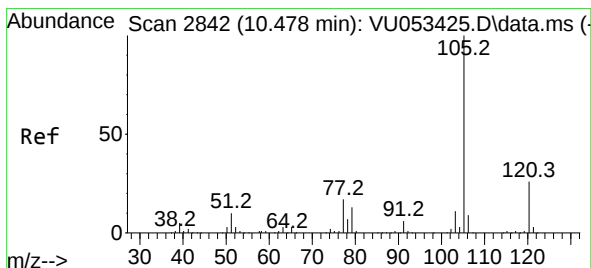
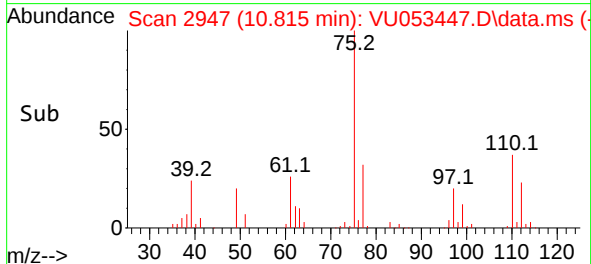
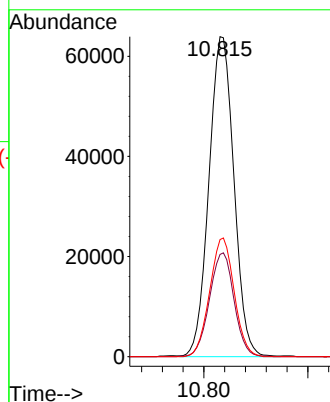
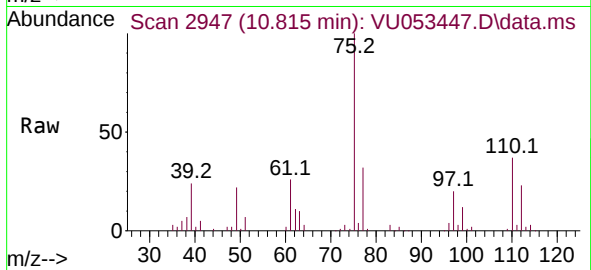




#60
1,2,3-Trichloropropane
Concen: 52.807 ug/L
RT: 10.815 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

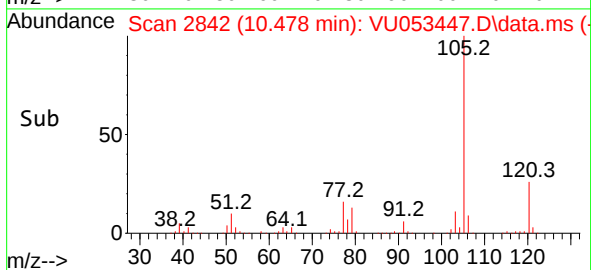
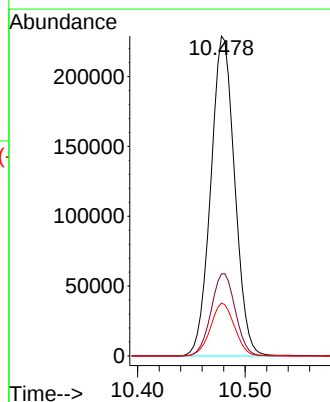
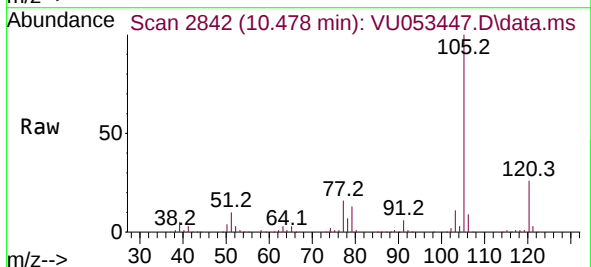
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

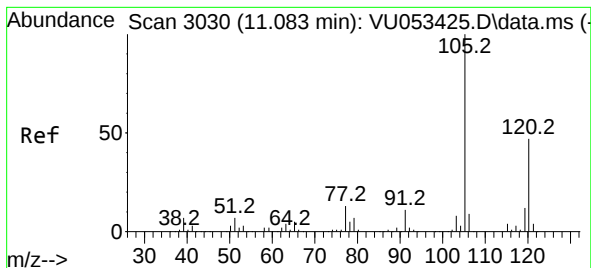
Tgt Ion:	75	Resp:	106623
Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.6	40.0
110	36.3	28.6	42.8



#61
Isopropylbenzene
Concen: 44.091 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion:	105	Resp:	353973
Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.4	30.6
77	16.5	13.0	19.4





#62

1,3,5-Trimethylbenzene

Concen: 43.218 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053447.D

Acq: 28 Mar 2023 20:35

Instrument :

MSVOA_U

ClientSampleId :

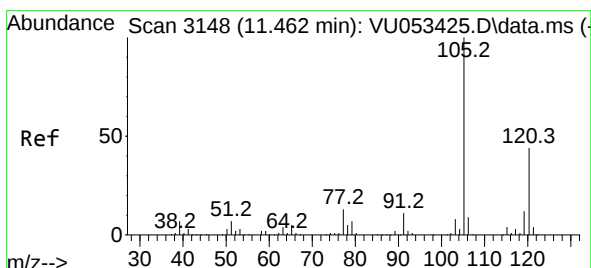
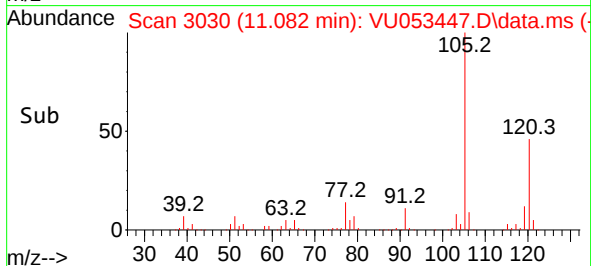
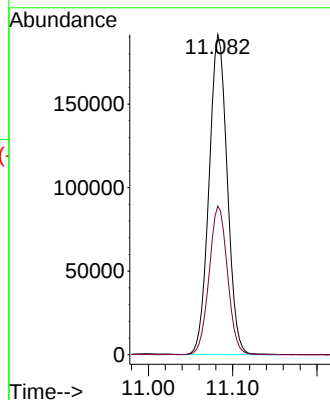
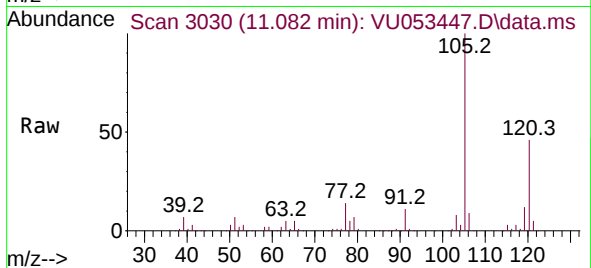
E45E9MSD

Tgt Ion:105 Resp: 287203

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 43.260 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053447.D

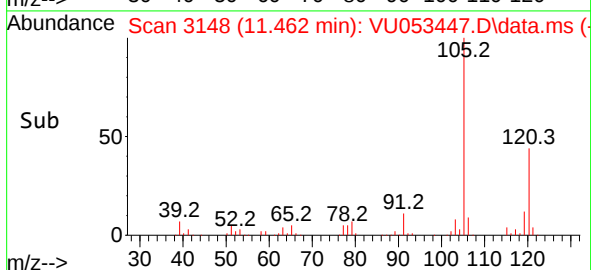
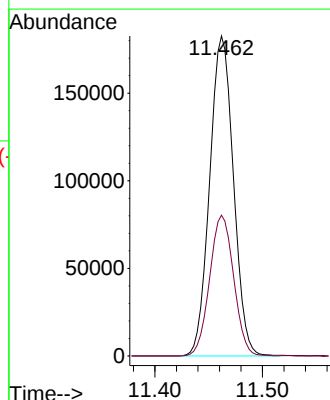
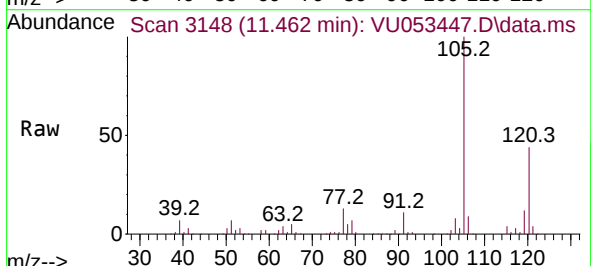
Acq: 28 Mar 2023 20:35

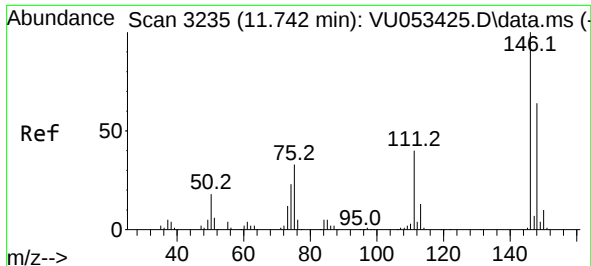
Tgt Ion:105 Resp: 280224

Ion Ratio Lower Upper

105 100

120 44.4 34.6 52.0

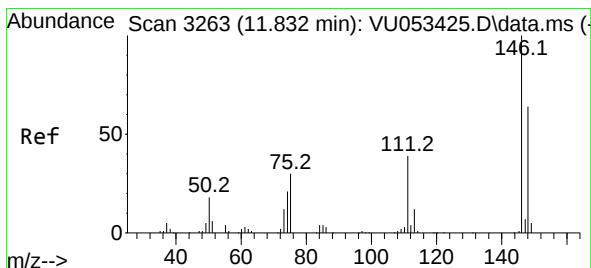
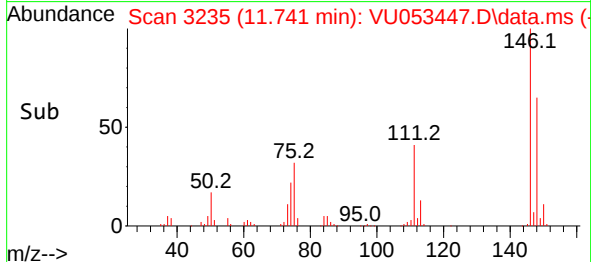
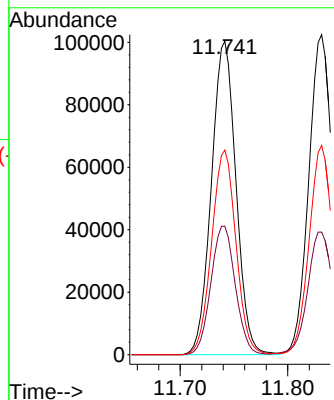
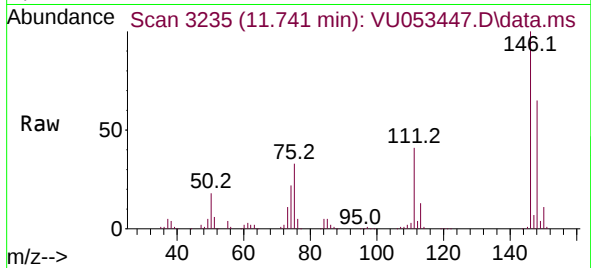




#64
1,3-Dichlorobenzene
Concen: 47.364 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

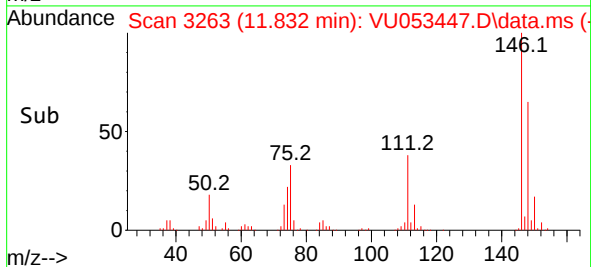
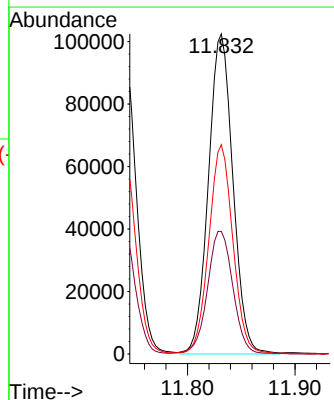
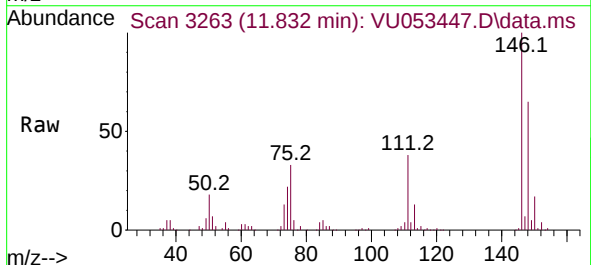
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

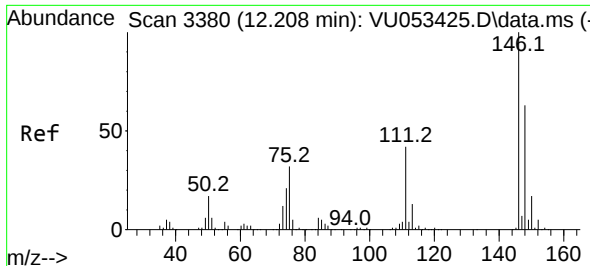
Tgt Ion:146 Resp: 159475
Ion Ratio Lower Upper
146 100
111 41.0 30.2 56.0
148 65.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 48.005 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion:146 Resp: 162264
Ion Ratio Lower Upper
146 100
111 38.3 30.7 57.1
148 65.4 45.6 84.8

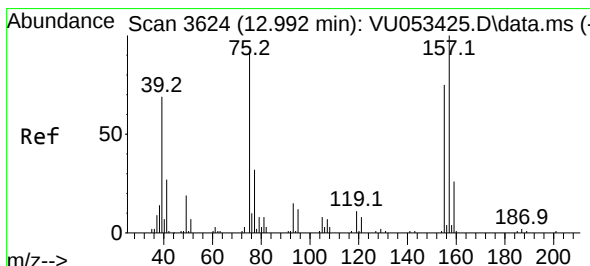
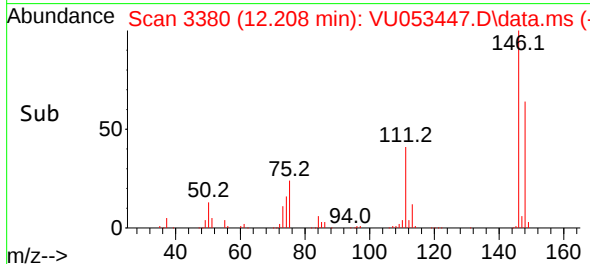
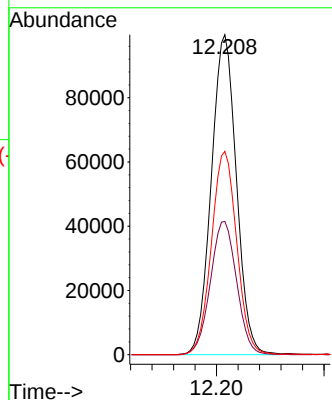
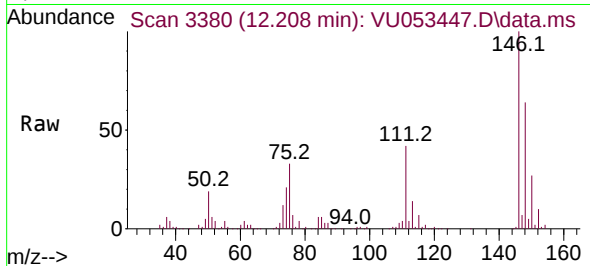




#67
1,2-Dichlorobenzene
Concen: 47.932 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

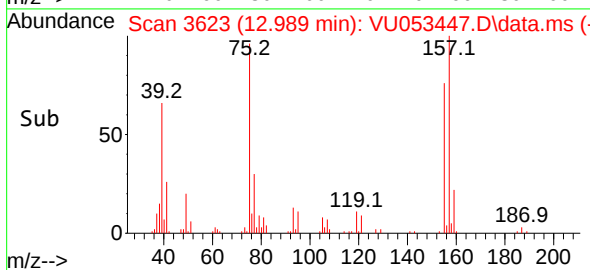
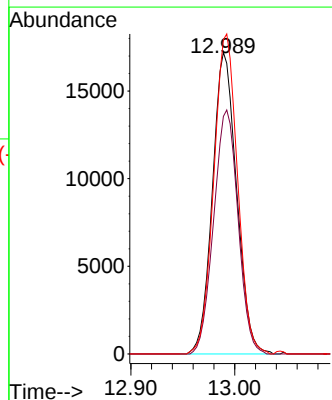
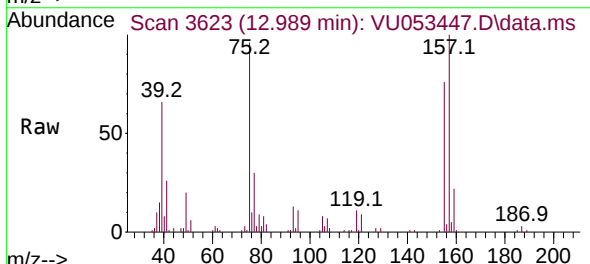
Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

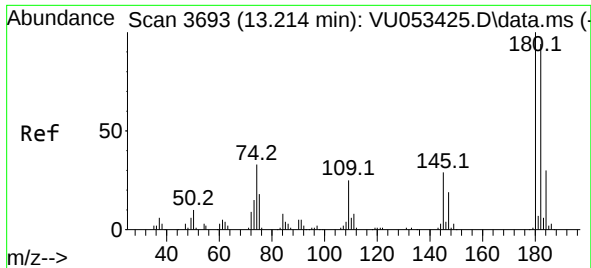
Tgt Ion:146 Resp: 161306
Ion Ratio Lower Upper
146 100
111 41.7 37.0 55.4
148 63.6 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 49.777 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion: 75 Resp: 27792
Ion Ratio Lower Upper
75 100
155 78.8 60.2 90.4
157 104.2 73.0 109.4

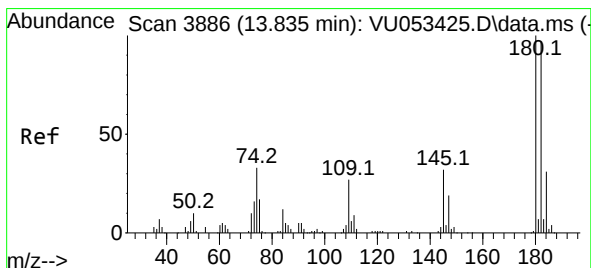
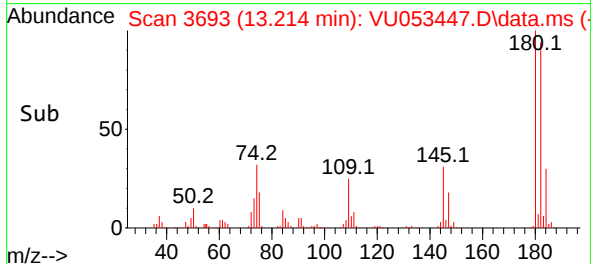
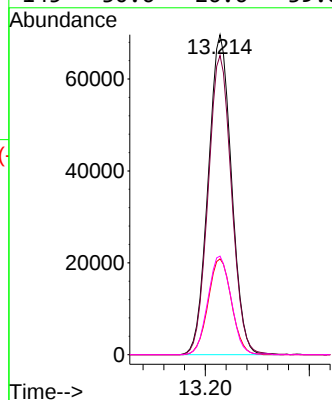
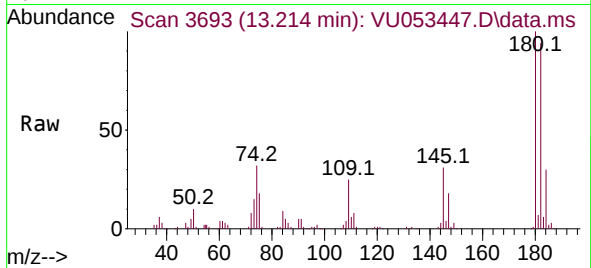




#69
 1,3,5-Trichlorobenzene
 Concen: 50.691 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU053447.D
 Acq: 28 Mar 2023 20:35

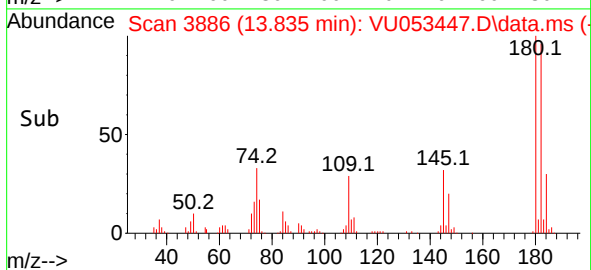
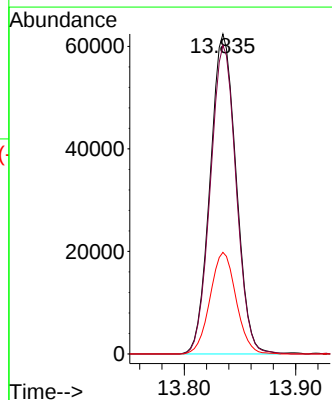
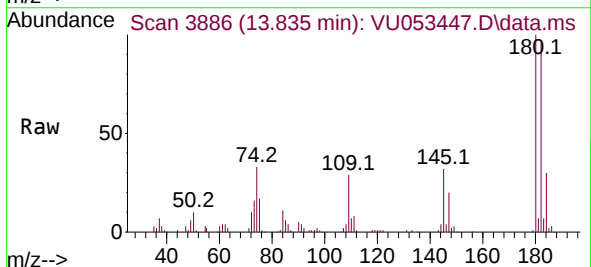
Instrument :
 MSVOA_U
 ClientSampleId :
 E45E9MSD

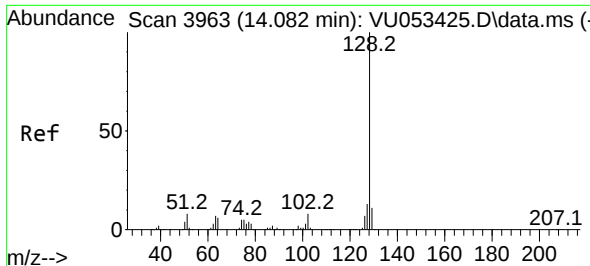
Tgt Ion:180	Resp: 108211
Ion Ratio	Lower Upper
180	100
182	93.9 74.5 111.7
184	30.0 23.2 34.8
145	30.6 26.6 39.8



#70
 1,2,4-trichlorobenzene
 Concen: 52.712 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU053447.D
 Acq: 28 Mar 2023 20:35

Tgt Ion:180	Resp: 101106
Ion Ratio	Lower Upper
180	100
182	95.7 75.8 113.8
145	31.9 27.2 40.8

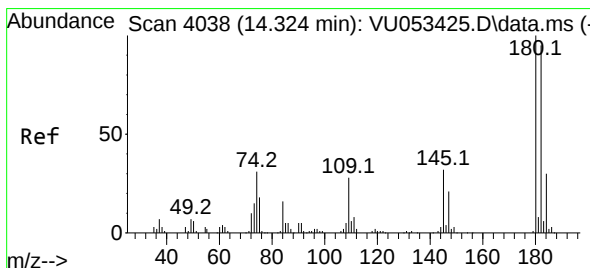
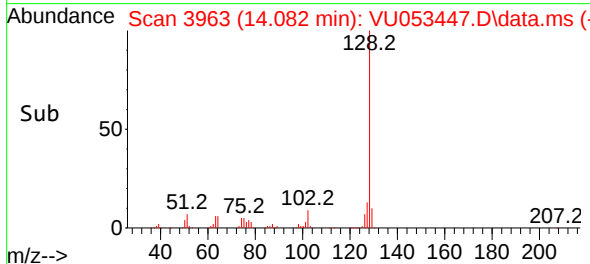
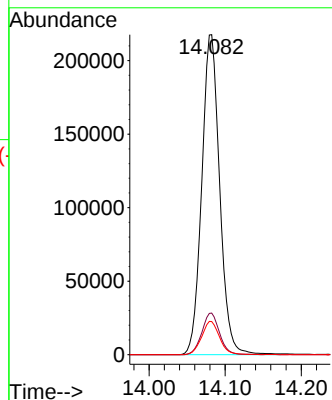
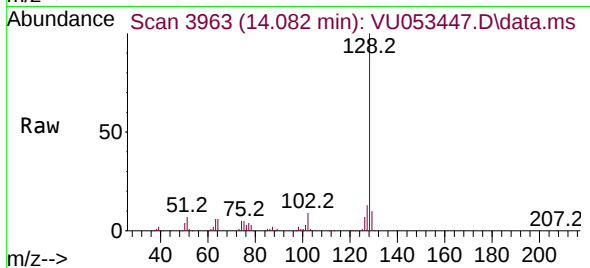




#71
Naphthalene
Concen: 55.120 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Instrument :
MSVOA_U
ClientSampleId :
E45E9MSD

Tgt Ion:128 Resp: 356351
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.4 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 56.568 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU053447.D
Acq: 28 Mar 2023 20:35

Tgt Ion:180 Resp: 102897
Ion Ratio Lower Upper
180 100
182 95.8 76.7 115.1
145 33.4 28.6 42.8

