

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053446.D
 Acq On : 28 Mar 2023 20:11
 Operator : JC/MD
 Sample : 02037-07MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45E9MS

Quant Time: Mar 29 01:14:59 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	201673	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	192737	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	100272	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84224	45.268	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.540%
7) Chloroethane-d5	1.912	69	68153	45.286	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.580%
11) 1,1-Dichloroethene-d2	2.568	63	142623	44.251	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.500%
21) 2-Butanone-d5	4.623	46	111939	129.720	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.720%
24) Chloroform-d	5.057	84	142520	46.508	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.020%
26) 1,2-Dichloroethane-d4	5.697	65	92397	48.550	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.100%
32) Benzene-d6	5.722	84	279773	44.753	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.500%
36) 1,2-Dichloropropane-d6	6.687	67	96009	47.585	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.160%
41) Toluene-d8	7.893	98	262544	45.108	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.220%
43) trans-1,3-Dichloroprop...	8.176	79	45471	45.678	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.360%
47) 2-Hexanone-d5	8.629	63	64003	101.465	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.470%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	135476	51.833	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.660%
66) 1,2-Dichlorobenzene-d4	12.188	152	100742	51.887	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	98271	46.683	ug/L	99
3) Chloromethane	1.520	50	106041	54.668	ug/L	99
5) Vinyl chloride	1.604	62	106639	50.257	ug/L	99
6) Bromomethane	1.858	94	60737	47.619	ug/L	99
8) Chloroethane	1.935	64	63989	51.054	ug/L	99
9) Trichlorofluoromethane	2.137	101	132200	49.935	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	77845	48.608	ug/L	94
12) 1,1-Dichloroethene	2.578	96	70676	47.719	ug/L	99
13) Acetone	2.636	43	85058	86.546	ug/L	92
14) Carbon disulfide	2.793	76	185750	41.408	ug/L	99
15) Methyl Acetate	2.948	43	88340	65.578	ug/L	94
16) Methylene chloride	3.044	84	83807	46.643	ug/L	99
17) trans-1,2-Dichloroethene	3.349	96	72131	47.999	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	257713	51.000	ug/L	98
19) 1,1-Dichloroethane	3.864	63	152219	49.622	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	86212	48.844	ug/L	99
22) 2-Butanone	4.700	43	132854	118.653	ug/L	92
23) Bromochloromethane	4.970	128	42670	50.701	ug/L	93
25) Chloroform	5.083	83	154432	50.310	ug/L	98

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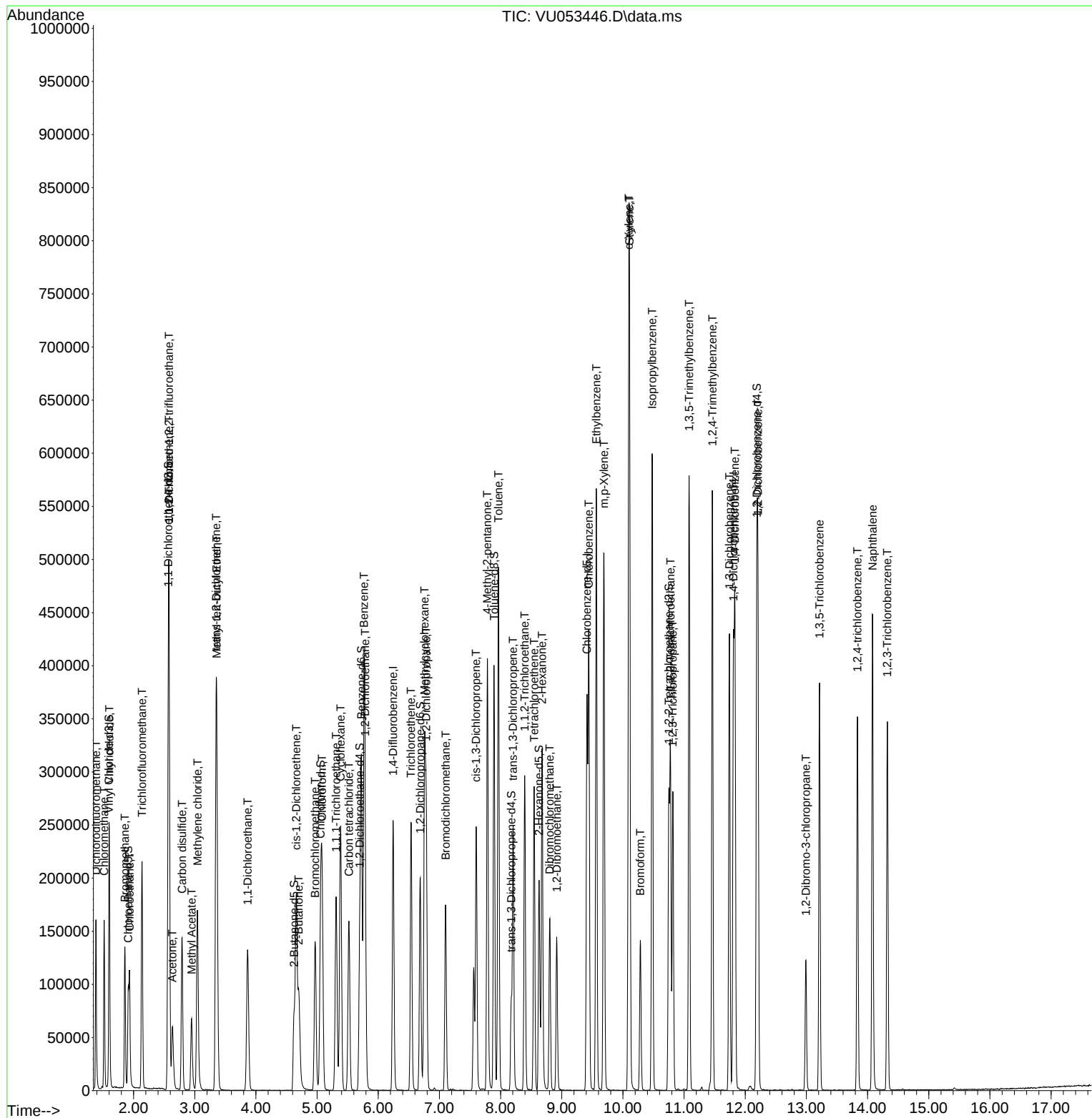
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	123870	51.120	ug/L	99
29) Cyclohexane	5.385	56	130038	45.280	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	127364	48.480	ug/L	98
31) Carbon tetrachloride	5.520	117	102940	47.828	ug/L	100
33) Benzene	5.767	78	329362	49.291	ug/L	100
34) Trichloroethene	6.536	95	85198	48.900	ug/L	95
35) Methylcyclohexane	6.758	83	126834	41.530	ug/L	95
37) 1,2-Dichloropropane	6.783	63	94928	50.920	ug/L	99
38) Bromodichloromethane	7.102	83	110266	47.528	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	143769	46.939	ug/L	98
40) 4-Methyl-2-pentanone	7.783	43	268514	140.131	ug/L	93
42) Toluene	7.963	91	354323	49.323	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	134691	48.108	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	89387	52.657	ug/L	98
46) Tetrachloroethene	8.549	164	58722	51.805	ug/L	96
48) 2-Hexanone	8.677	43	204644	127.537	ug/L	95
49) Dibromochloromethane	8.803	129	81862	47.143	ug/L	100
50) 1,2-Dibromoethane	8.918	107	95267	52.669	ug/L	97
51) Chlorobenzene	9.443	112	222551	49.707	ug/L	98
52) Ethylbenzene	9.565	91	392460	48.175	ug/L	99
53) m,p-Xylene	9.690	106	143831	47.304	ug/L	98
54) o-Xylene	10.095	106	141759	47.139	ug/L	96
55) Styrene	10.108	104	244262	48.735	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	153525	55.163	ug/L	99
59) Bromoform	10.285	173	60670	53.168	ug/L	98
60) 1,2,3-Trichloropropane	10.815	75	117941	59.192	ug/L	98
61) Isopropylbenzene	10.478	105	382658	48.300	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	306166	46.686	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	298081	46.631	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	167838	50.513	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	173321	51.960	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	172990	52.090	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	30185	54.784	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	111928	53.132	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	105036	55.491	ug/L	97
71) Naphthalene	14.082	128	350653	54.962	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	102412	57.053	ug/L	98

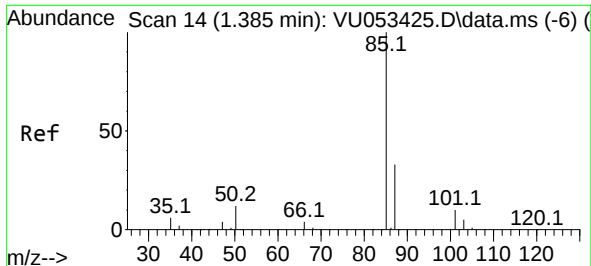
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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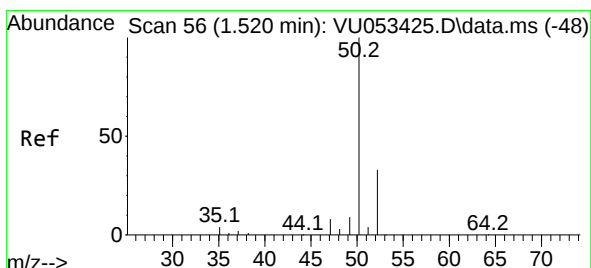
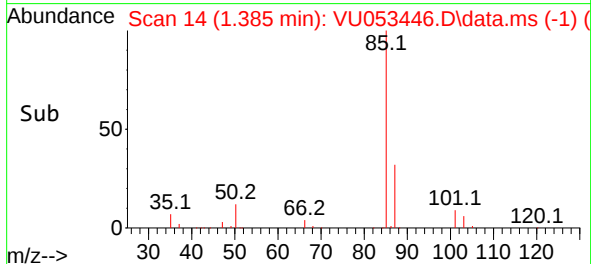
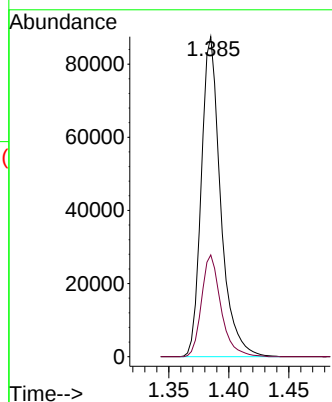
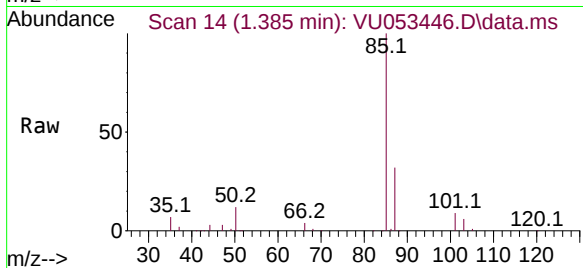




#2
Dichlorodifluoromethane
Concen: 46.683 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

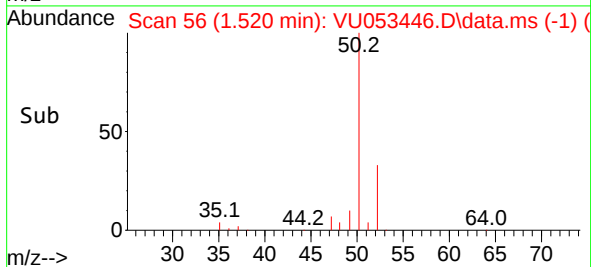
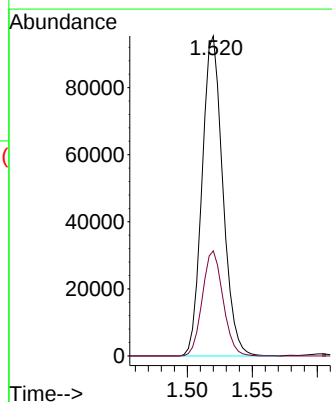
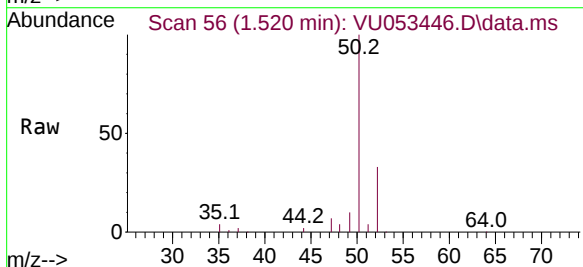
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

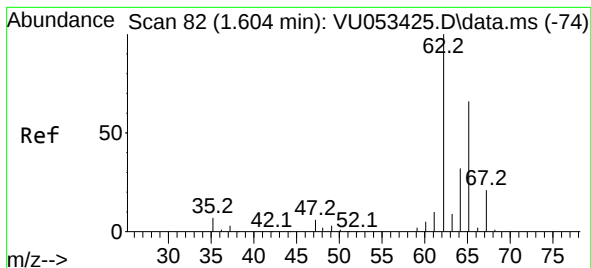
Tgt Ion: 85 Resp: 98271
Ion Ratio Lower Upper
85 100
87 31.9 25.8 38.8



#3
Chloromethane
Concen: 54.668 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion: 50 Resp: 106041
Ion Ratio Lower Upper
50 100
52 32.8 23.4 43.4





#5

Vinyl chloride

Concen: 50.257 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

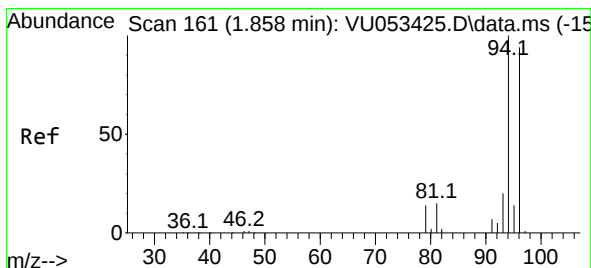
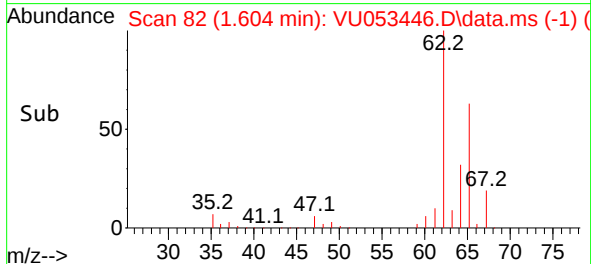
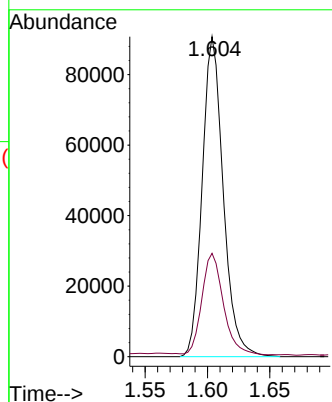
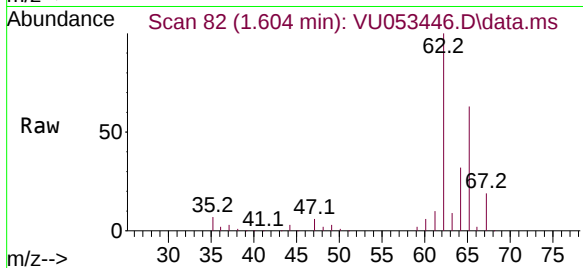
E45E9MS

Tgt Ion: 62 Resp: 106639

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



#6

Bromomethane

Concen: 47.619 ug/L

RT: 1.858 min Scan# 161

Delta R.T. -0.000 min

Lab File: VU053446.D

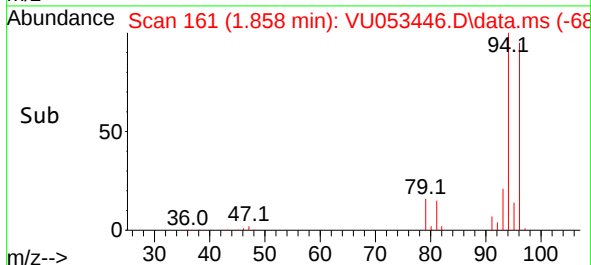
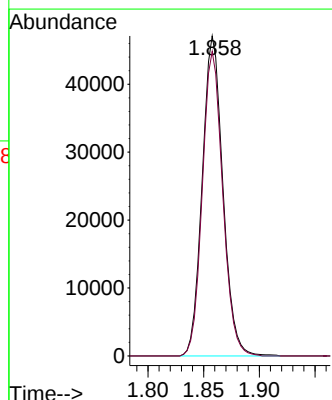
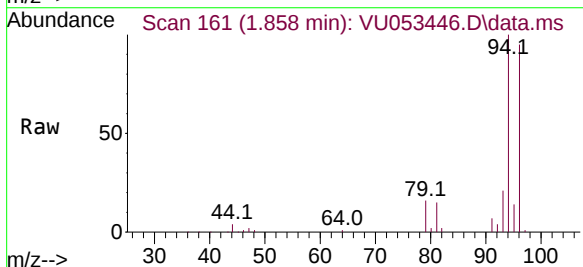
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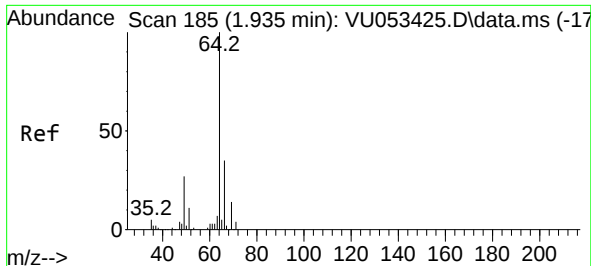
Tgt Ion: 94 Resp: 60737

Ion Ratio Lower Upper

94 100

96 95.2 67.5 125.3

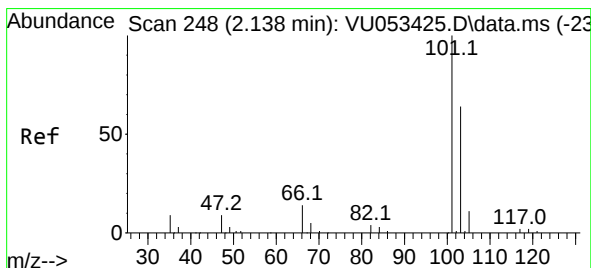
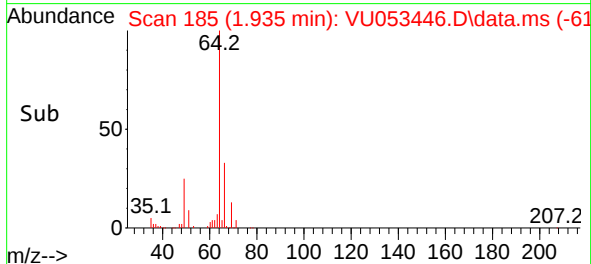
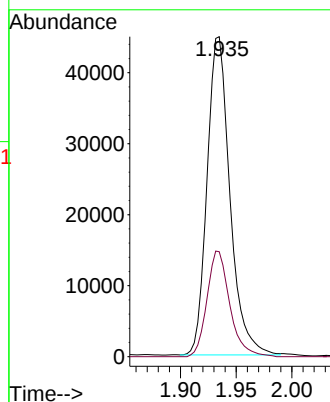
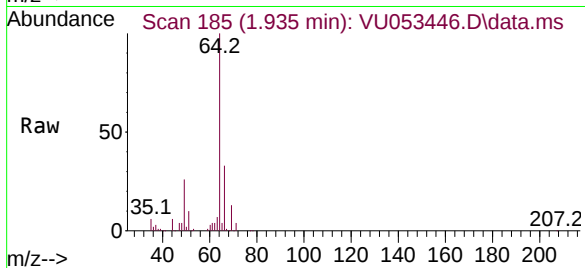




#8
Chloroethane
Concen: 51.054 ug/L
RT: 1.935 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

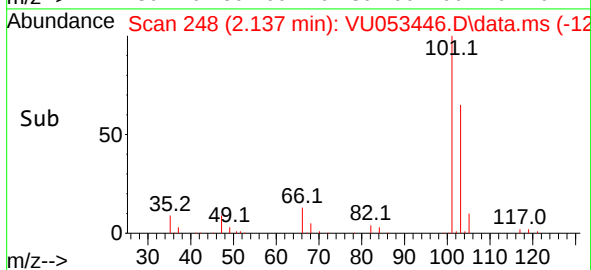
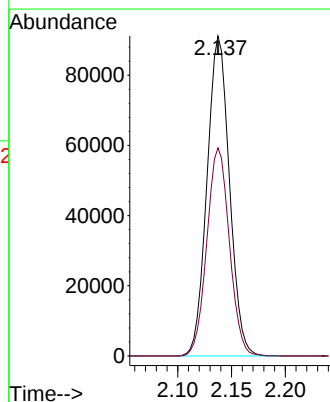
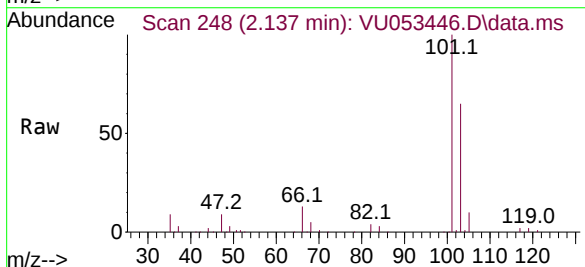
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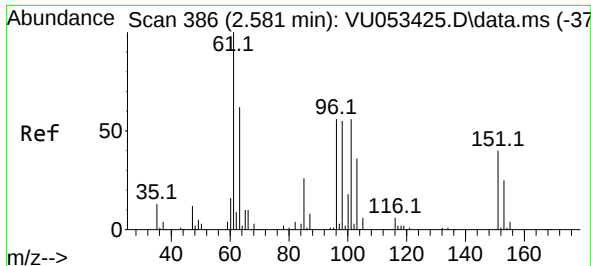
Tgt Ion: 64 Resp: 63989
Ion Ratio Lower Upper
64 100
66 32.8 22.6 42.0



#9
Trichlorofluoromethane
Concen: 49.935 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion:101 Resp: 132200
Ion Ratio Lower Upper
101 100
103 65.3 52.0 78.0

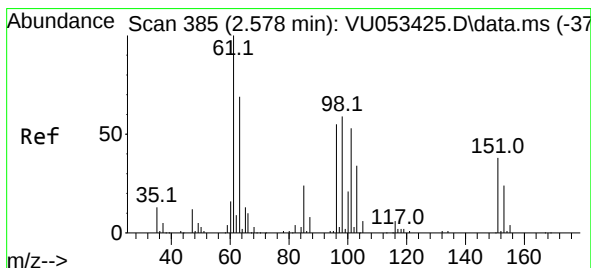
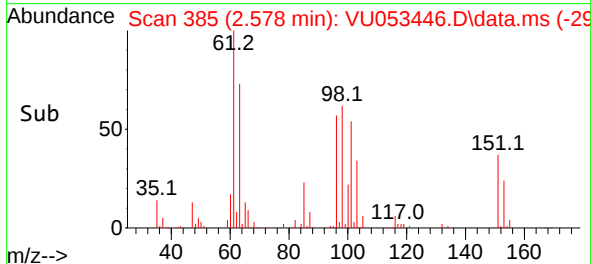
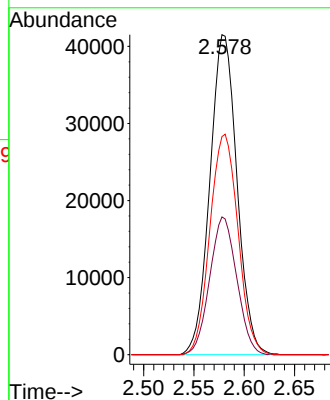
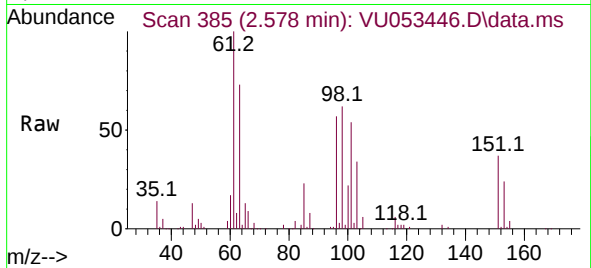




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.608 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

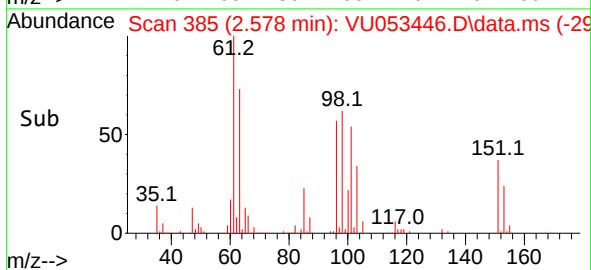
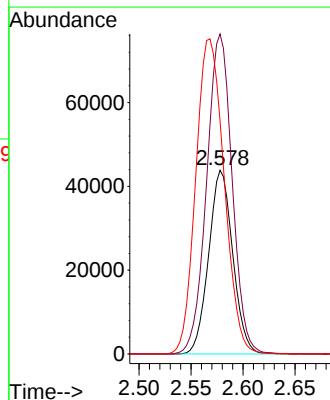
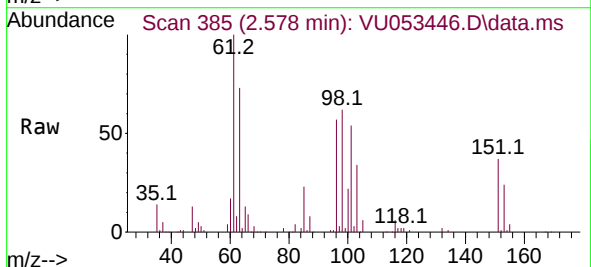
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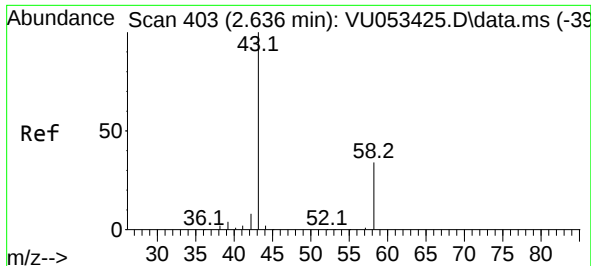
Tgt Ion:101 Resp: 77845
Ion Ratio Lower Upper
101 100
85 43.0 37.0 55.6
151 71.4 52.9 79.3



#12
1,1-Dichloroethene
Concen: 47.719 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion: 96 Resp: 70676
Ion Ratio Lower Upper
96 100
61 174.2 122.2 226.9
63 127.1 89.9 166.9





#13

Acetone

Concen: 86.546 ug/L

RT: 2.636 min Scan# 403

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

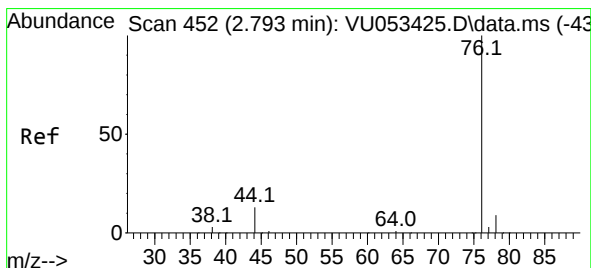
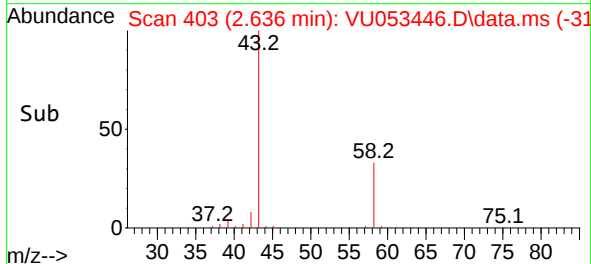
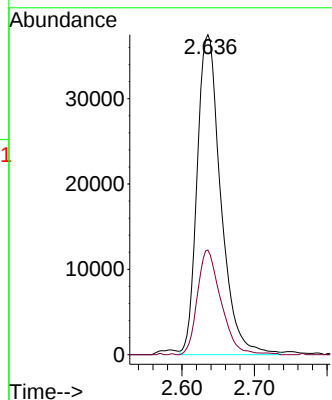
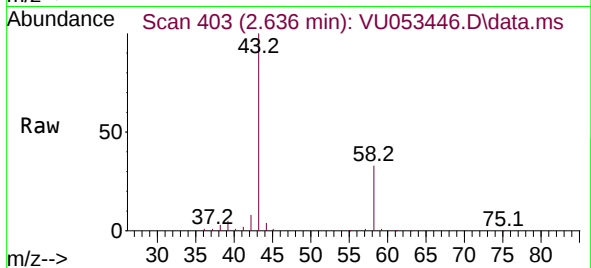
E45E9MS

Tgt Ion: 43 Resp: 85058

Ion Ratio Lower Upper

43 100

58 32.4 0.0 75.0



#14

Carbon disulfide

Concen: 41.408 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU053446.D

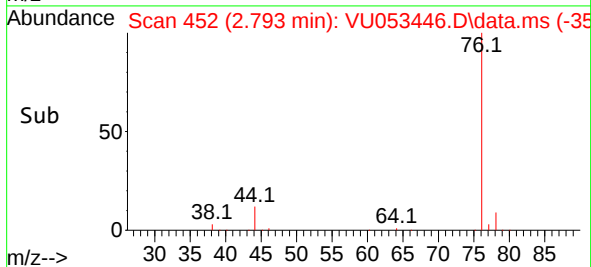
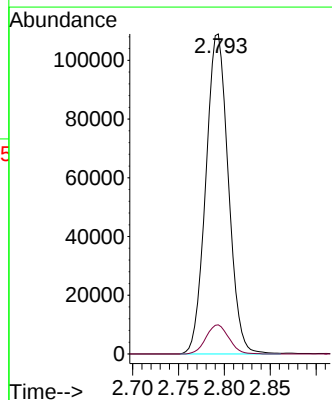
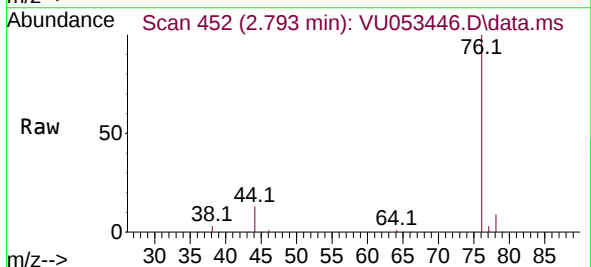
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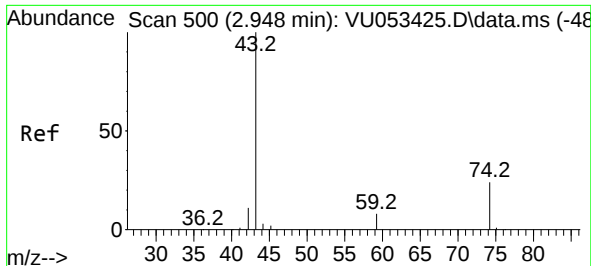
Tgt Ion: 76 Resp: 185750

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

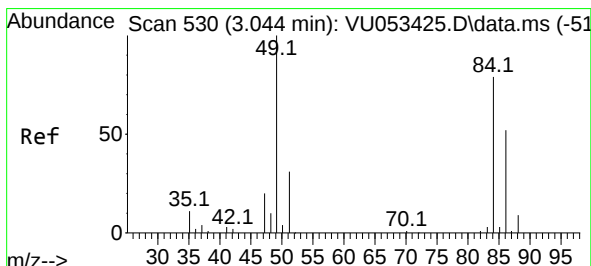
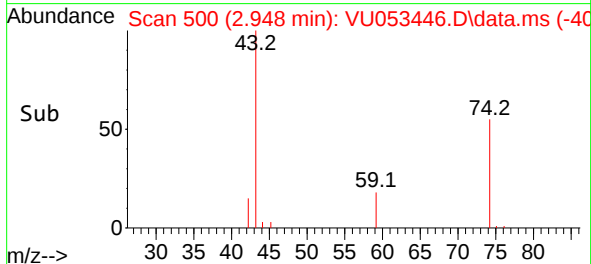
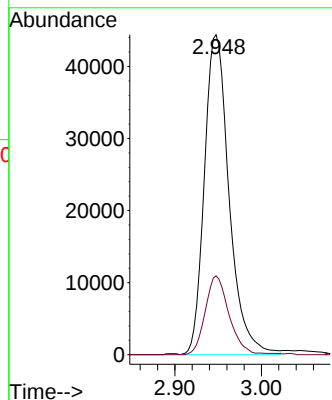
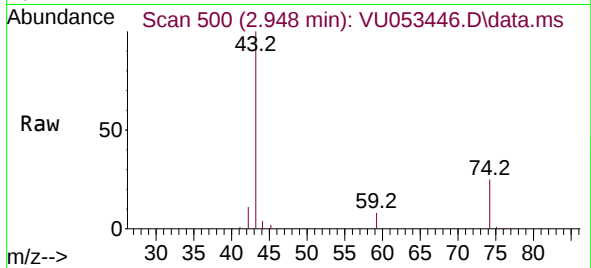




#15
Methyl Acetate
Concen: 65.578 ug/L
RT: 2.948 min Scan# 500
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

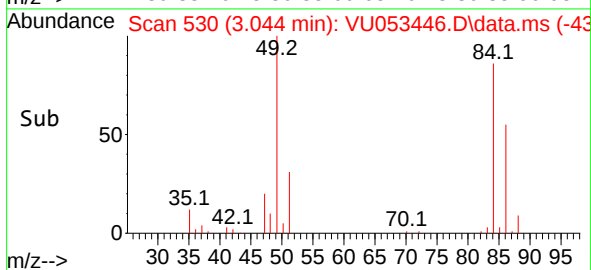
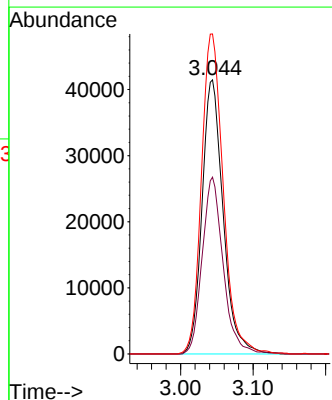
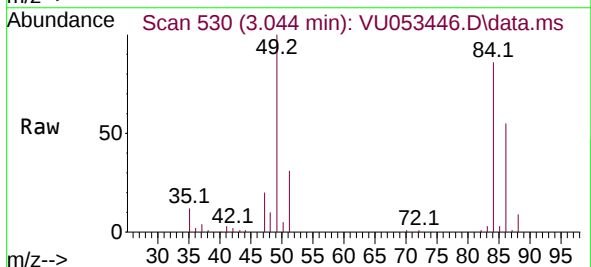
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

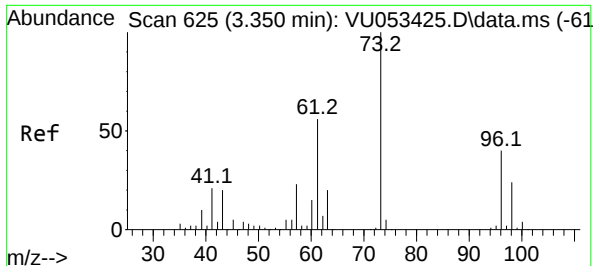
Tgt Ion: 43 Resp: 88340
Ion Ratio Lower Upper
43 100
74 23.5 21.4 32.0



#16
Methylene chloride
Concen: 46.643 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion: 84 Resp: 83807
Ion Ratio Lower Upper
84 100
86 64.5 44.4 82.4
49 116.7 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 47.999 ug/L

RT: 3.349 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

E45E9MS

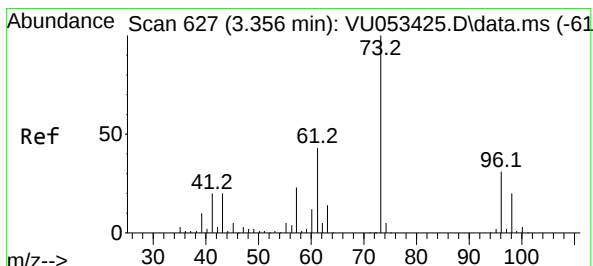
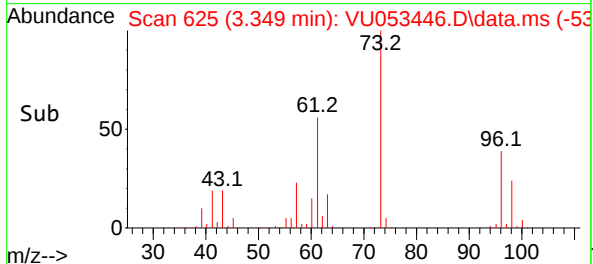
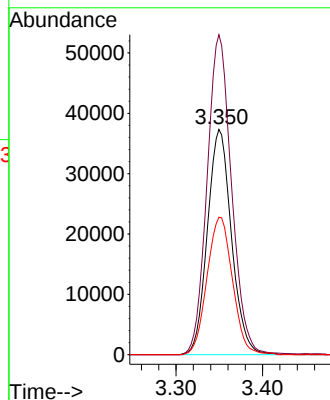
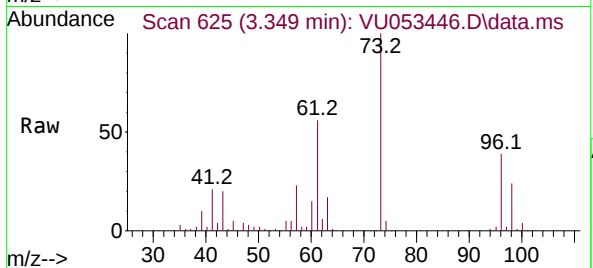
Tgt Ion: 96 Resp: 72131

Ion Ratio Lower Upper

96 100

61 142.0 99.6 185.0

98 61.0 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 51.000 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

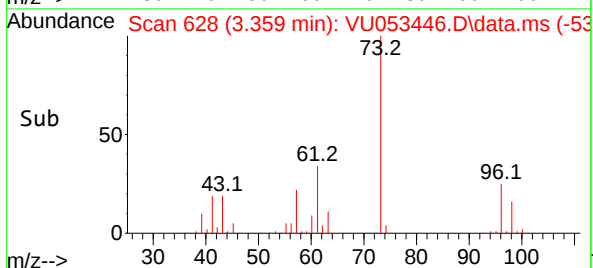
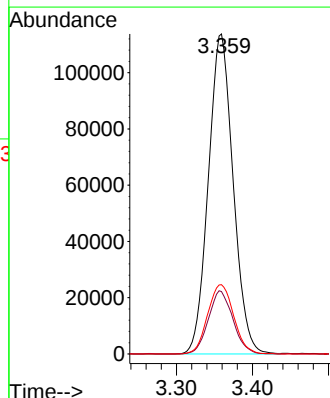
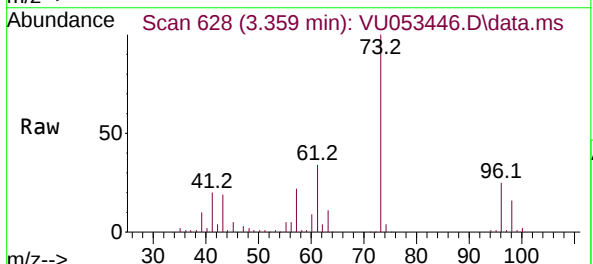
Tgt Ion: 73 Resp: 257713

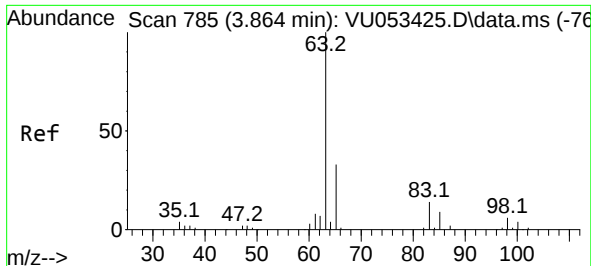
Ion Ratio Lower Upper

73 100

43 19.6 14.2 21.2

57 22.7 18.0 27.0





#19

1,1-Dichloroethane

Concen: 49.622 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

E45E9MS

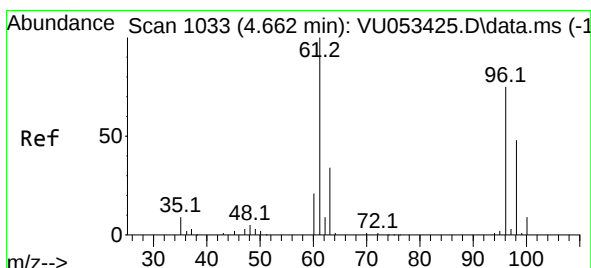
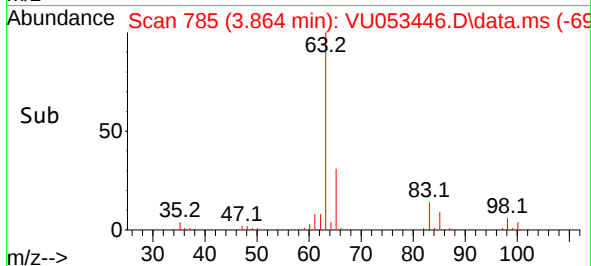
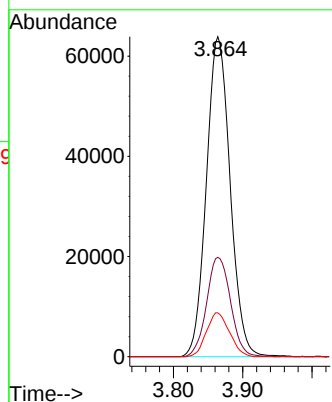
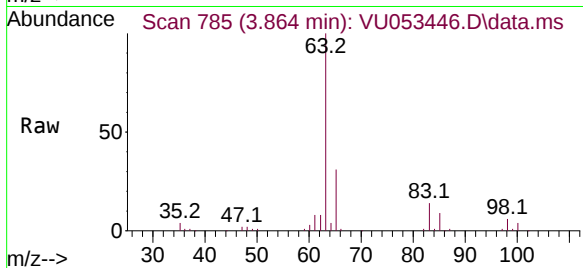
Tgt Ion: 63 Resp: 152219

Ion Ratio Lower Upper

63 100

65 31.1 22.8 42.4

83 13.7 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 48.844 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

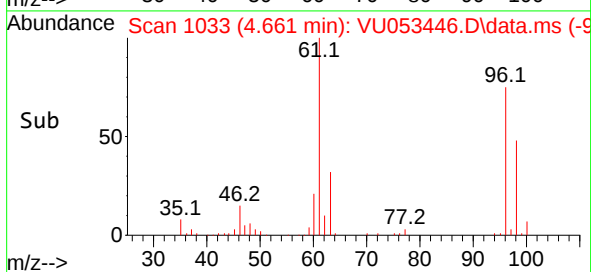
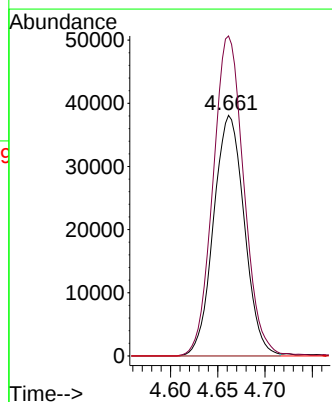
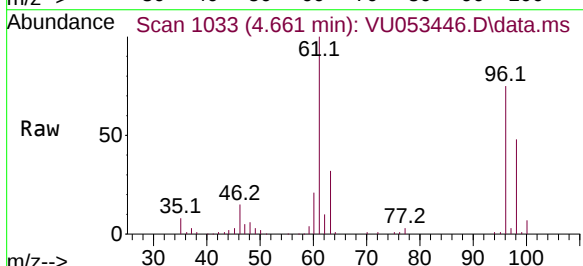
Tgt Ion: 96 Resp: 86212

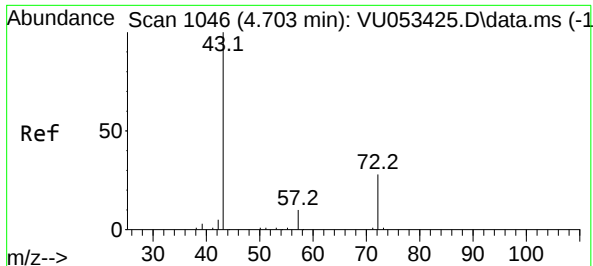
Ion Ratio Lower Upper

96 100

61 132.9 92.5 171.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 118.653 ug/L

RT: 4.700 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

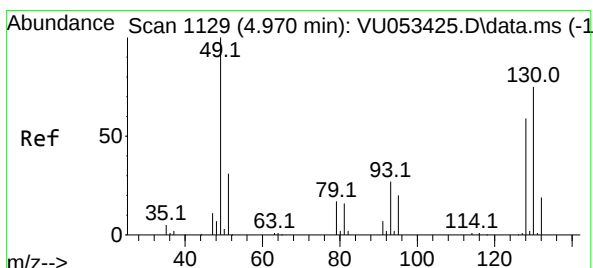
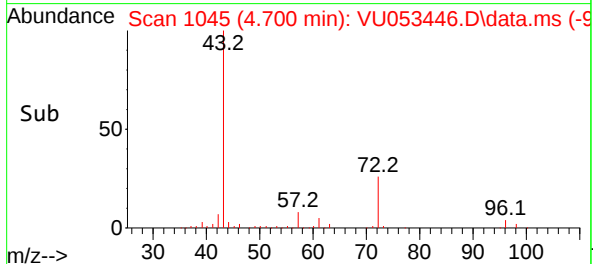
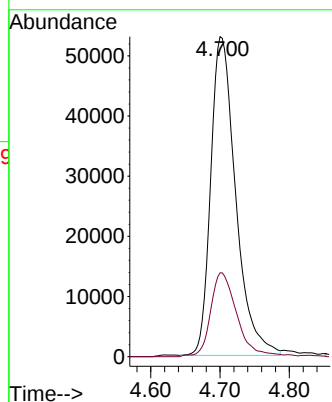
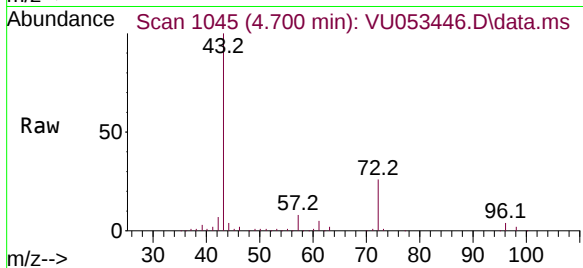
E45E9MS

Tgt Ion: 43 Resp: 132854

Ion Ratio Lower Upper

43 100

72 27.5 16.0 47.9



#23

Bromochloromethane

Concen: 50.701 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Tgt Ion:128 Resp: 42670

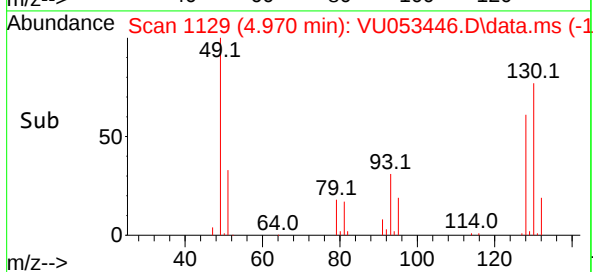
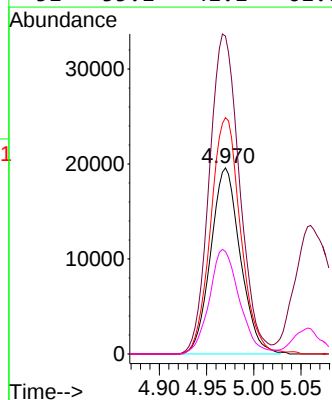
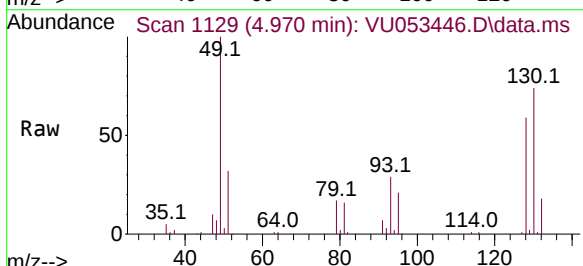
Ion Ratio Lower Upper

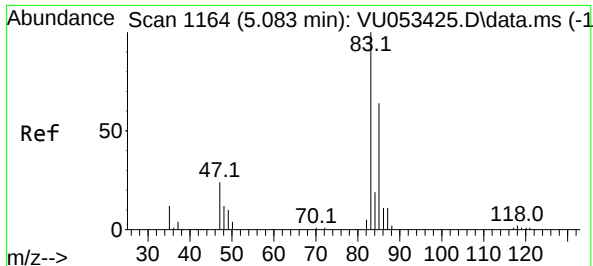
128 100

49 170.8 109.9 204.1

130 127.0 87.2 161.9

51 55.1 41.1 61.7





#25

Chloroform

Concen: 50.310 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

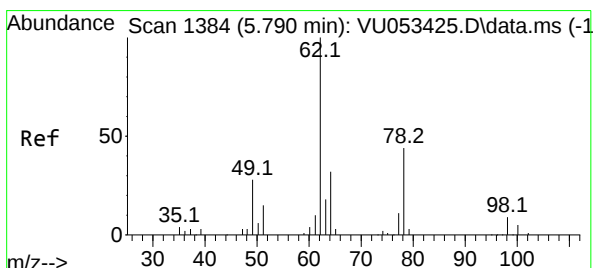
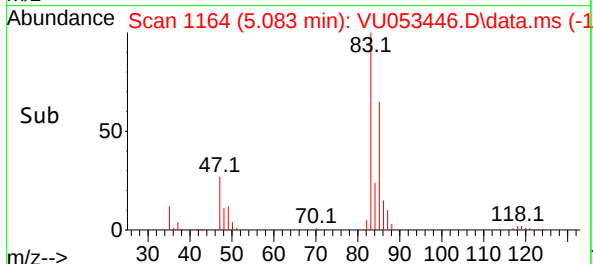
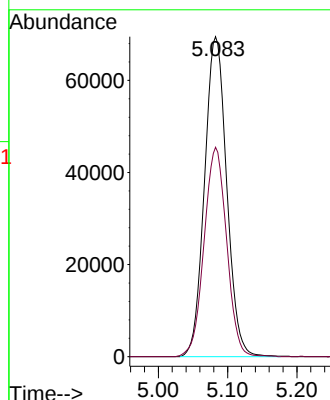
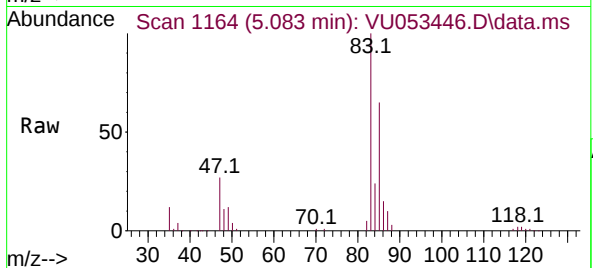
E45E9MS

Tgt Ion: 83 Resp: 154432

Ion Ratio Lower Upper

83 100

85 65.5 44.9 83.3



#27

1,2-Dichloroethane

Concen: 51.120 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU053446.D

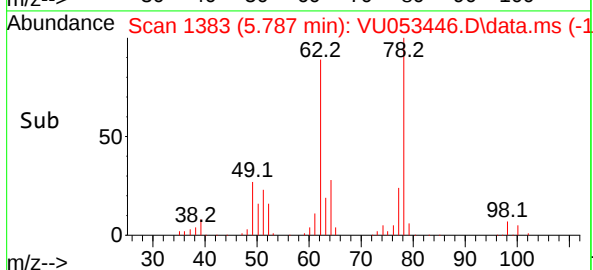
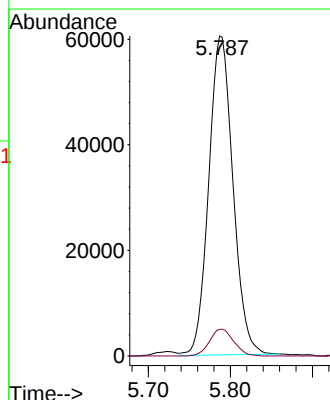
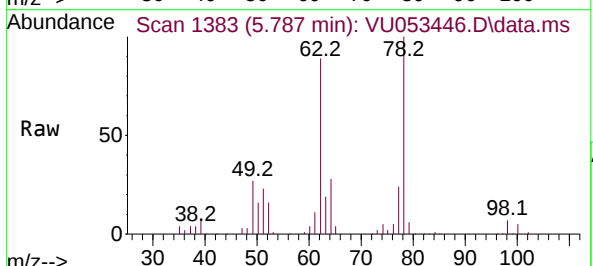
Acq: 28 Mar 2023 20:11

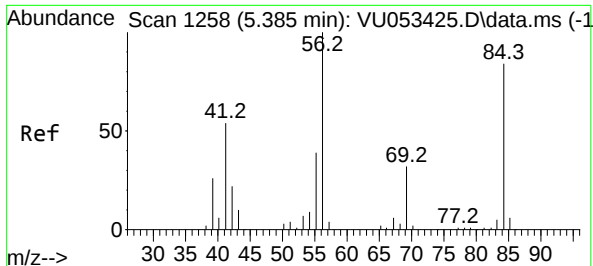
Tgt Ion: 62 Resp: 123870

Ion Ratio Lower Upper

62 100

98 8.3 7.0 10.6





#29

Cyclohexane

Concen: 45.280 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

E45E9MS

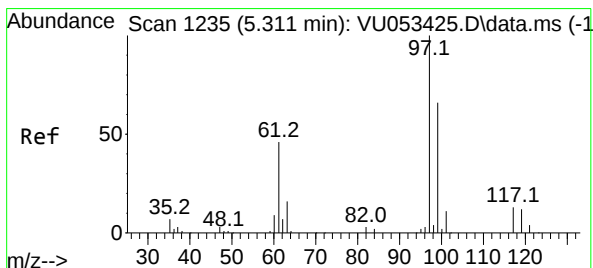
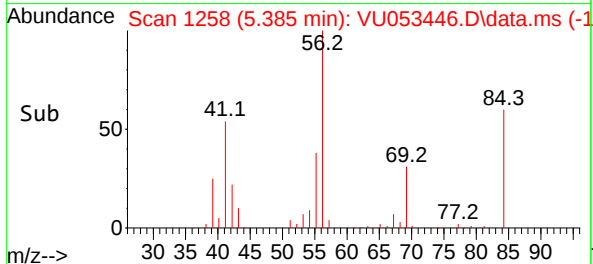
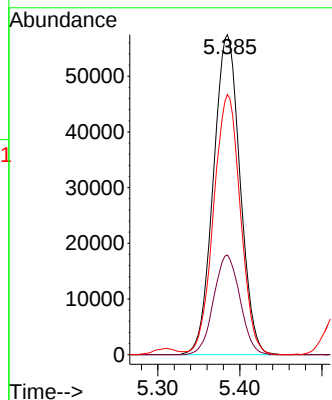
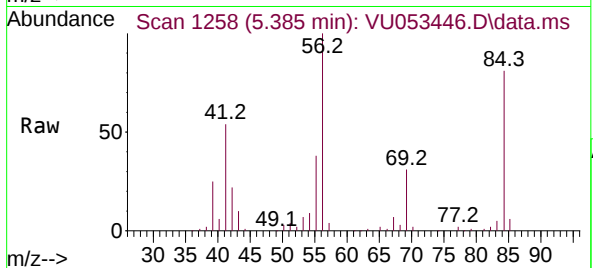
Tgt Ion: 56 Resp: 130038

Ion Ratio Lower Upper

56 100

69 30.7 25.4 38.0

84 81.8 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 48.480 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

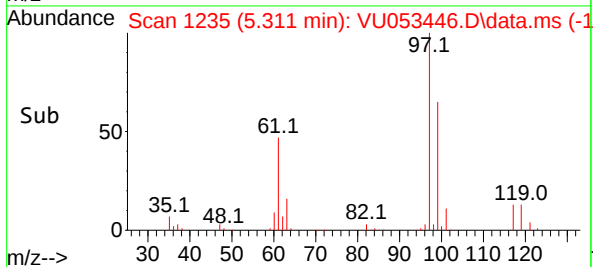
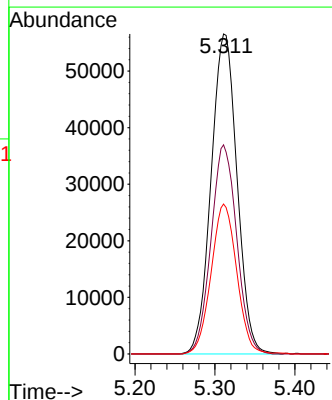
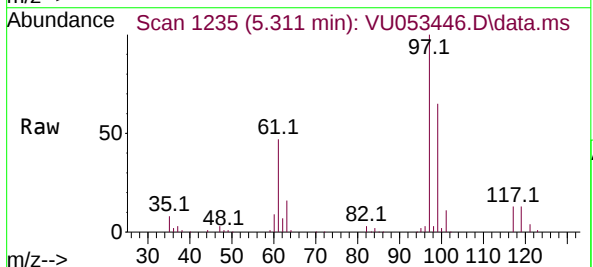
Tgt Ion: 97 Resp: 127364

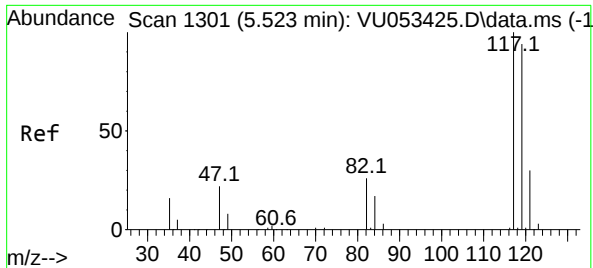
Ion Ratio Lower Upper

97 100

99 64.9 50.6 76.0

61 46.2 36.0 54.0

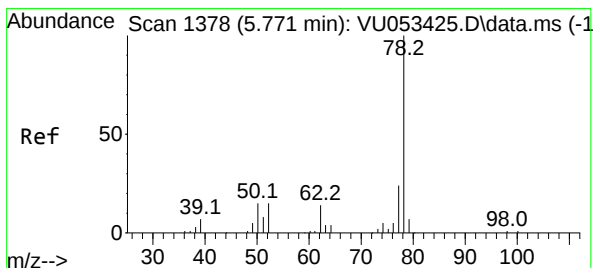
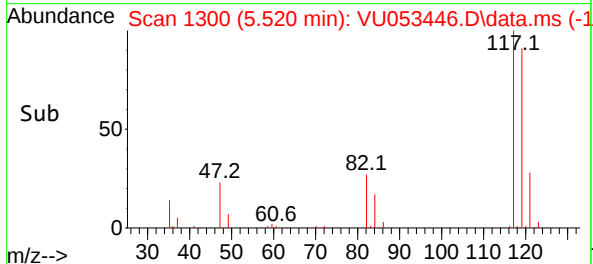
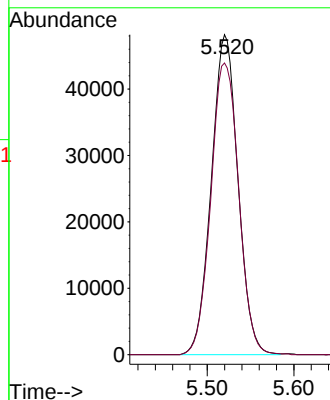
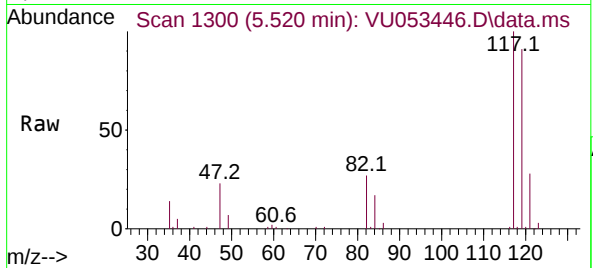




#31
Carbon tetrachloride
Concen: 47.828 ug/L
RT: 5.520 min Scan# 111
Delta R.T. -0.003 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

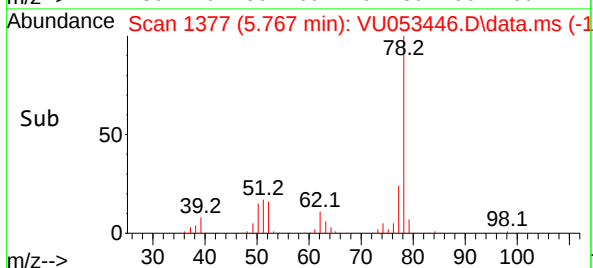
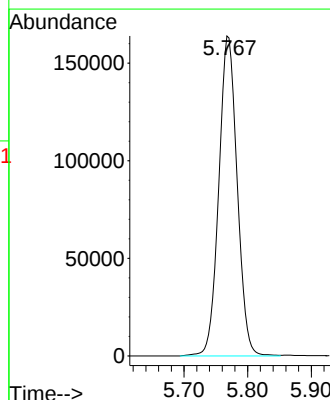
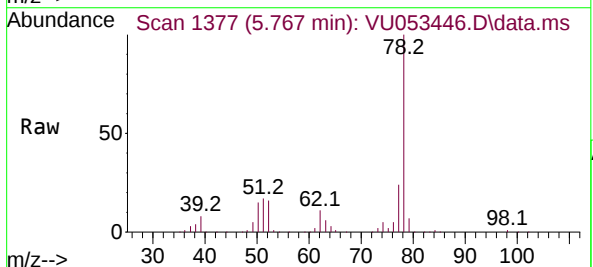
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

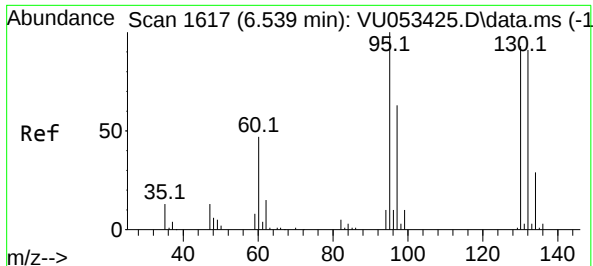
Tgt Ion:117 Resp: 102940
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.2



#33
Benzene
Concen: 49.291 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion: 78 Resp: 329362





#34

Trichloroethene

Concen: 48.900 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

E45E9MS

Tgt Ion: 95 Resp: 85198

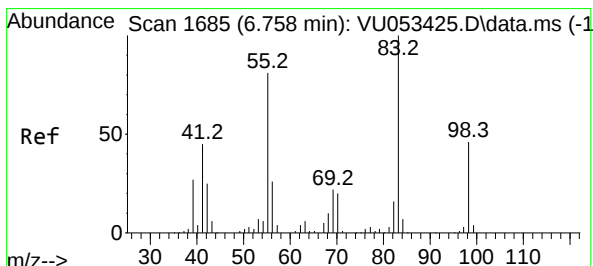
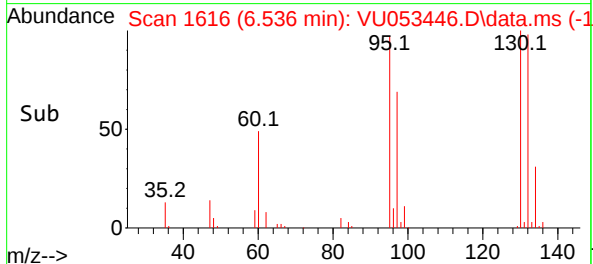
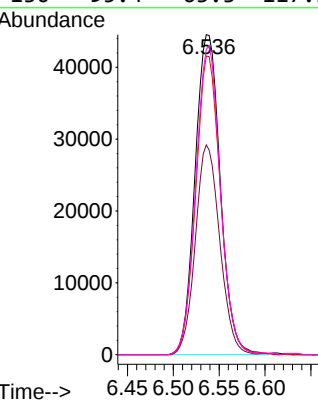
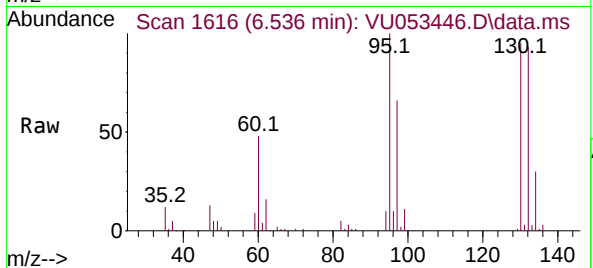
Ion Ratio Lower Upper

95 100

97 65.5 43.8 81.3

132 93.3 61.5 114.3

130 95.4 63.3 117.5



#35

Methylcyclohexane

Concen: 41.530 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

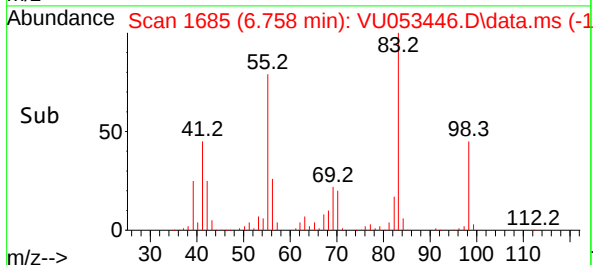
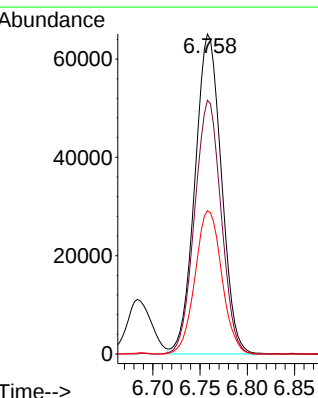
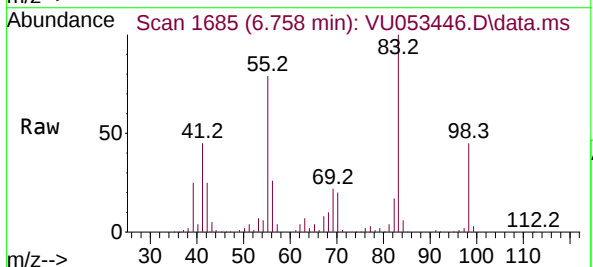
Tgt Ion: 83 Resp: 126834

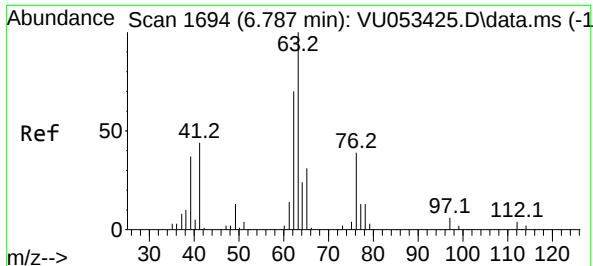
Ion Ratio Lower Upper

83 100

55 79.2 58.2 87.4

98 45.1 35.4 53.2

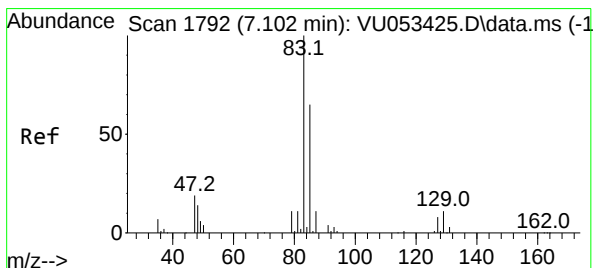
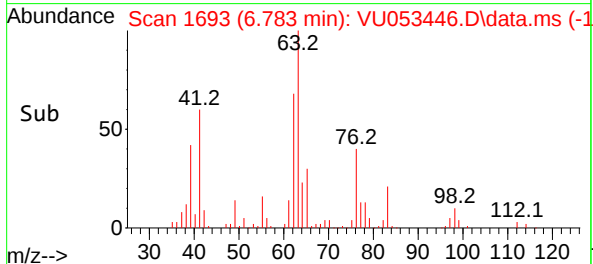
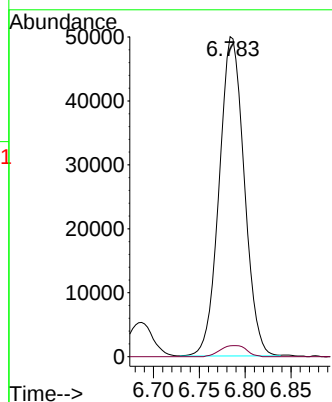
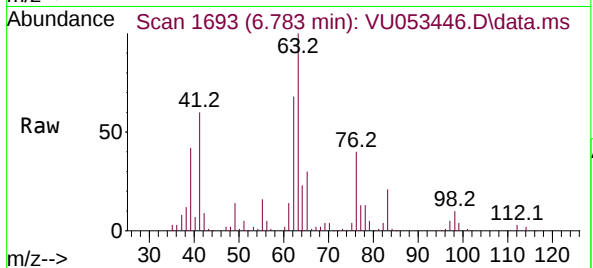




#37
1,2-Dichloropropane
Concen: 50.920 ug/L
RT: 6.783 min Scan# 1693
Delta R.T. -0.003 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

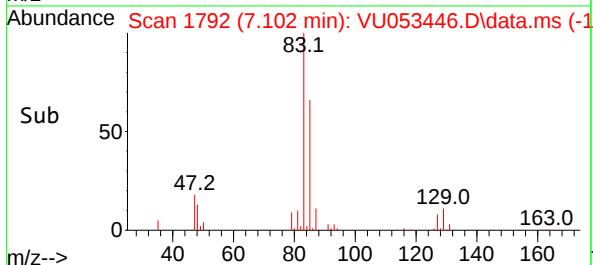
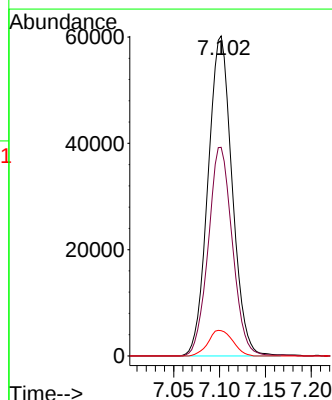
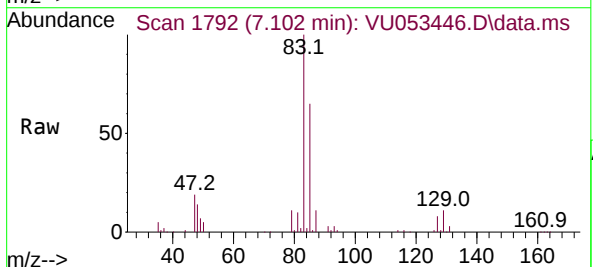
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

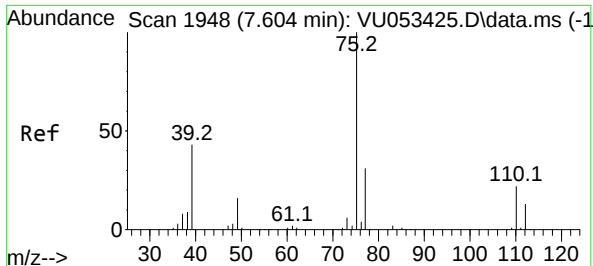
Tgt Ion: 63 Resp: 94928
Ion Ratio Lower Upper
63 100
112 3.7 2.6 3.8



#38
Bromodichloromethane
Concen: 47.528 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion: 83 Resp: 110266
Ion Ratio Lower Upper
83 100
85 65.2 45.4 84.2
127 7.9 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 46.939 ug/L

RT: 7.600 min Scan# 1948

Delta R.T. -0.003 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

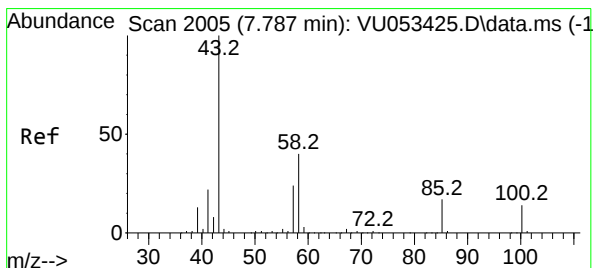
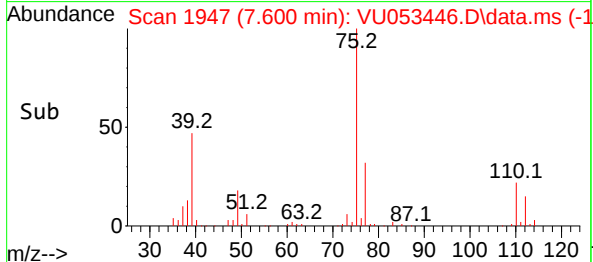
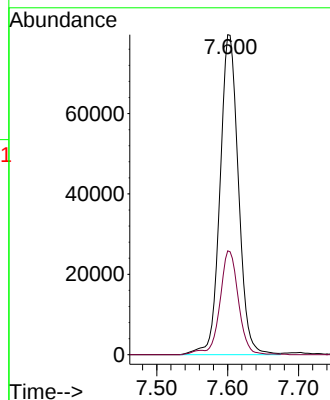
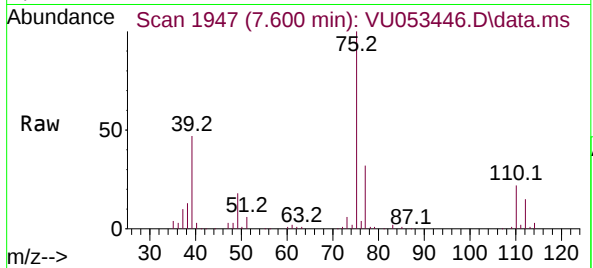
E45E9MS

Tgt Ion: 75 Resp: 143769

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 140.131 ug/L

RT: 7.783 min Scan# 2004

Delta R.T. -0.003 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

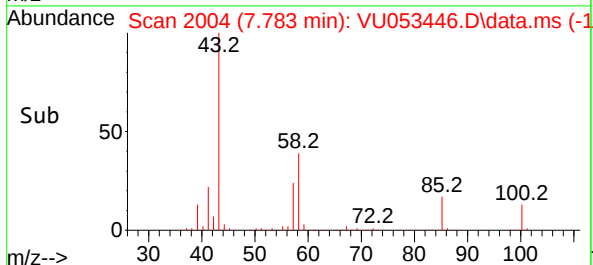
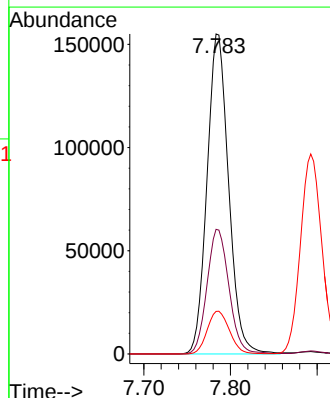
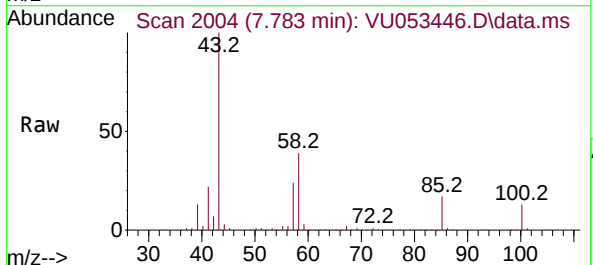
Tgt Ion: 43 Resp: 268514

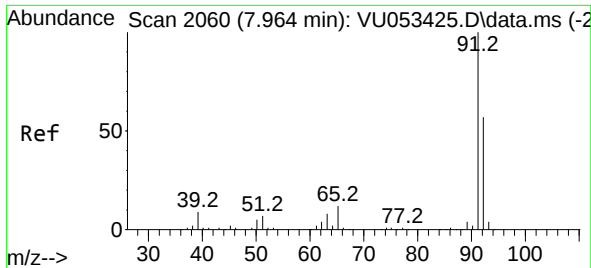
Ion Ratio Lower Upper

43 100

58 39.6 35.8 53.6

100 13.8 13.0 19.6





#42

Toluene

Concen: 49.323 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

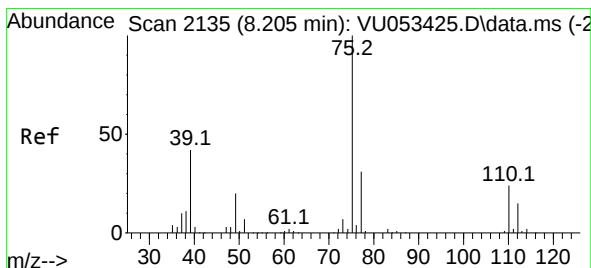
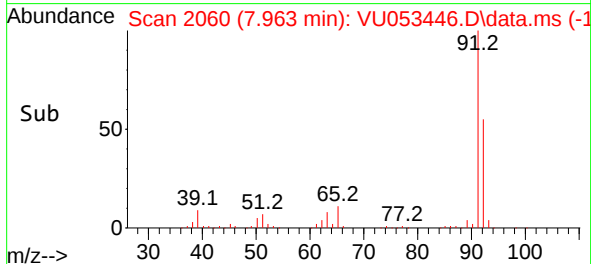
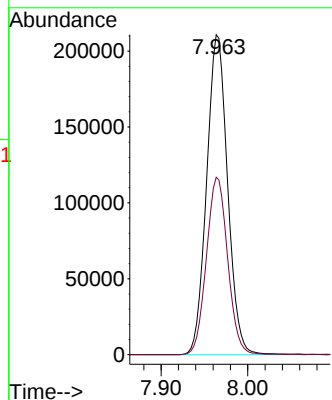
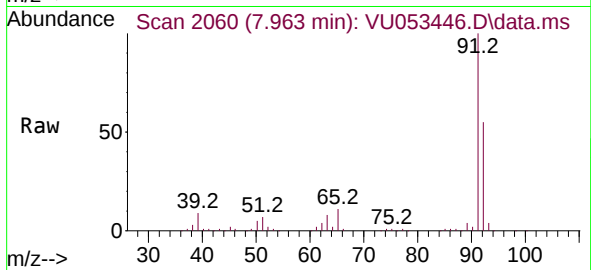
E45E9MS

Tgt Ion: 91 Resp: 354323

Ion Ratio Lower Upper

91 100

92 55.4 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 48.108 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053446.D

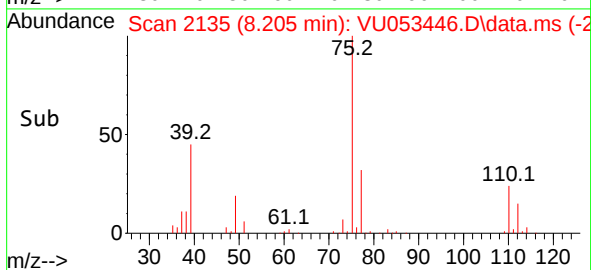
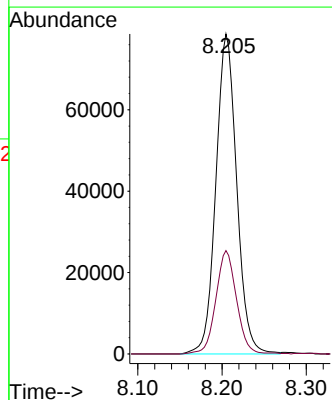
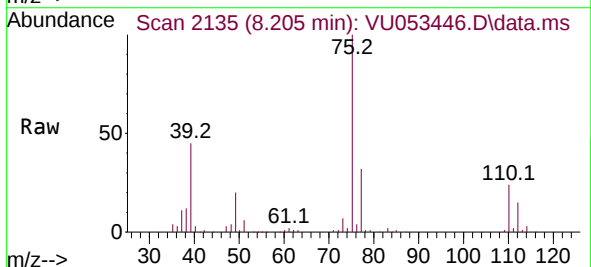
Acq: 28 Mar 2023 20:11

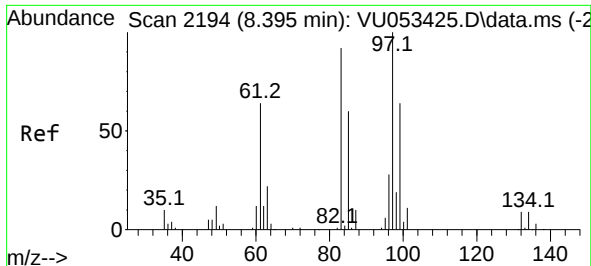
Tgt Ion: 75 Resp: 134691

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8

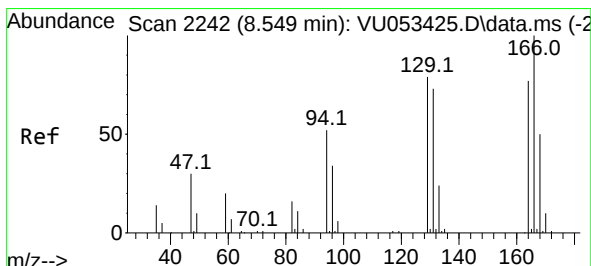
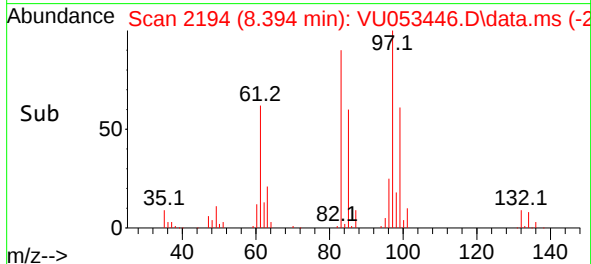
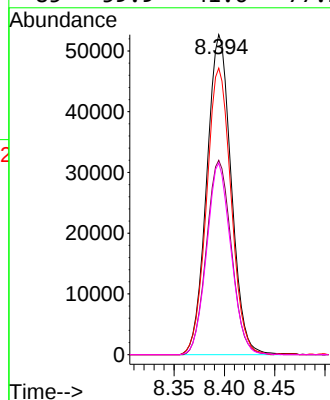
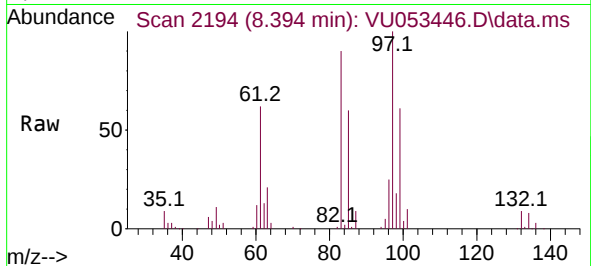




#45
1,1,2-Trichloroethane
Concen: 52.657 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

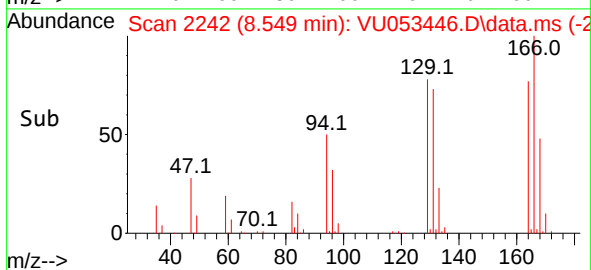
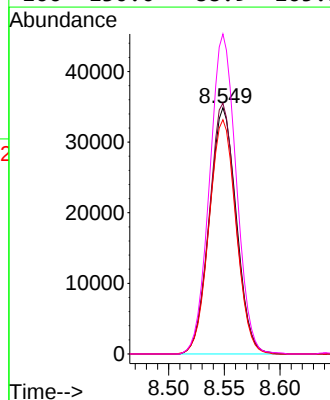
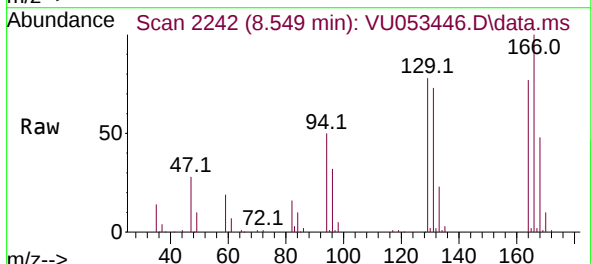
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

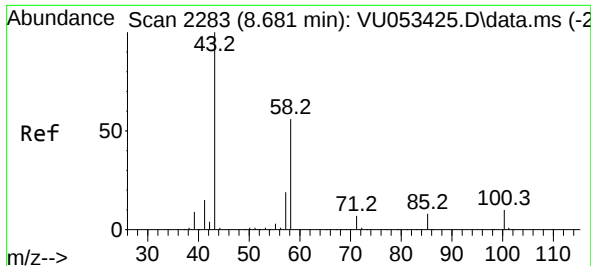
Tgt Ion:	97	Resp:	89387
Ion	Ratio	Lower	Upper
97	100		
99	60.8	44.4	82.4
83	89.6	63.8	118.6
85	59.9	41.6	77.2



#46
Tetrachloroethene
Concen: 51.805 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion:	164	Resp:	58722
Ion	Ratio	Lower	Upper
164	100		
129	101.9	73.6	136.8
131	95.1	70.3	130.7
166	130.0	88.9	165.1

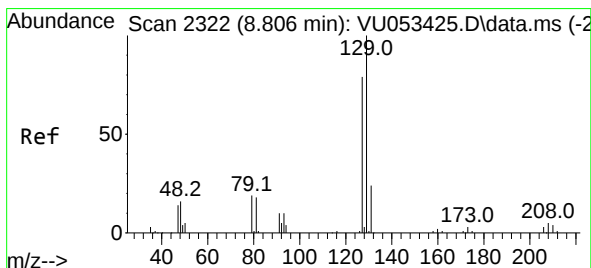
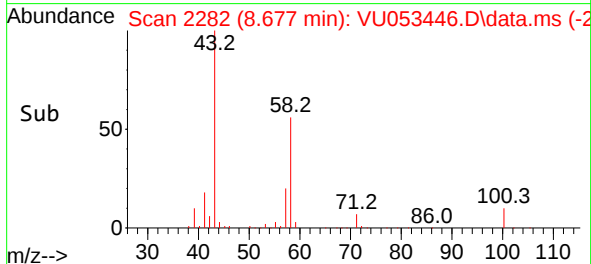
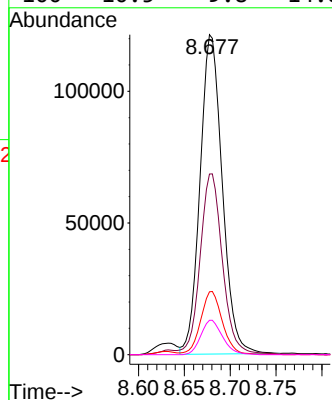
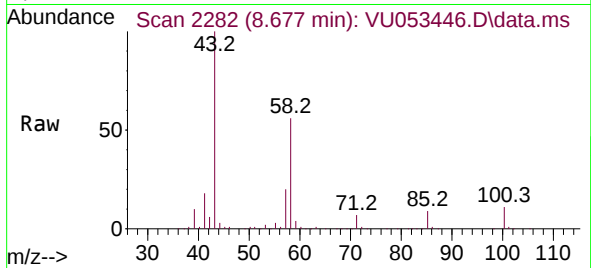




#48
2-Hexanone
Concen: 127.537 ug/L
RT: 8.677 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

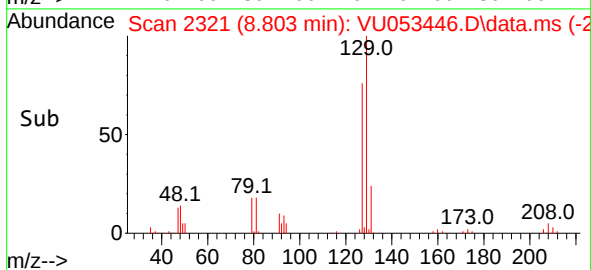
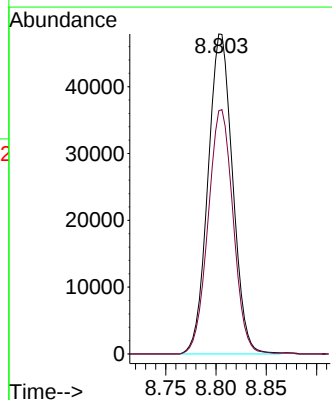
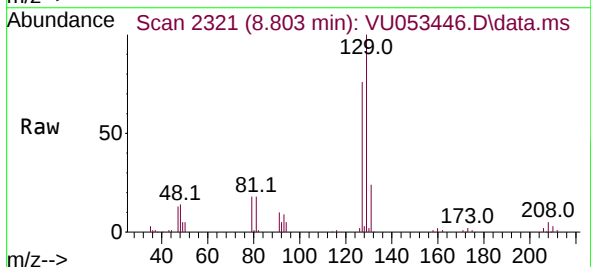
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

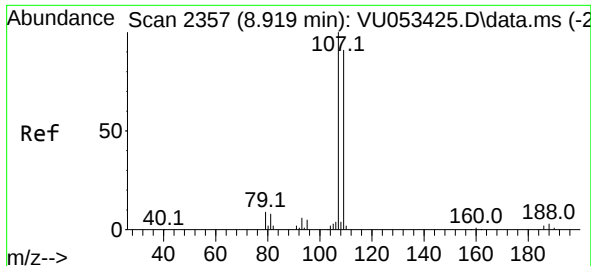
Tgt Ion: 43 Resp: 204644
Ion Ratio Lower Upper
43 100
58 57.1 49.4 74.0
57 19.2 16.9 25.3
100 10.5 9.8 14.8



#49
Dibromochloromethane
Concen: 47.143 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion: 129 Resp: 81862
Ion Ratio Lower Upper
129 100
127 76.0 53.1 98.5





#50

1,2-Dibromoethane

Concen: 52.669 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

E45E9MS

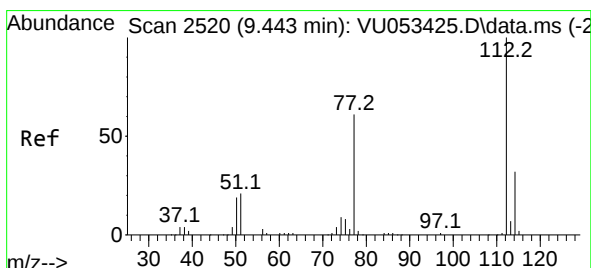
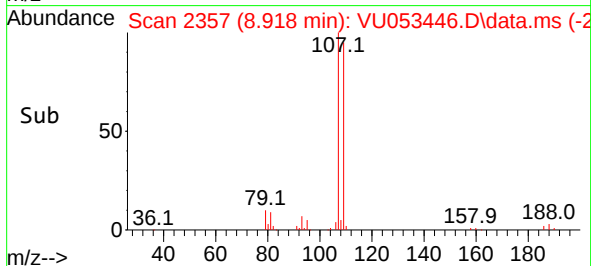
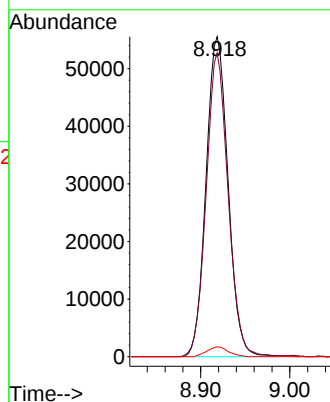
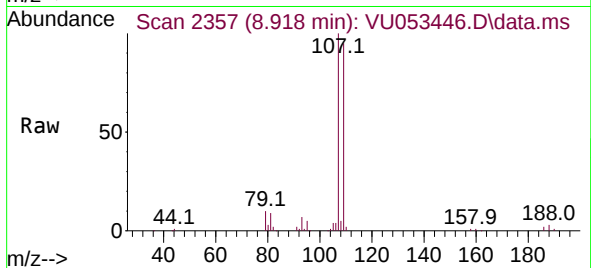
Tgt Ion:107 Resp: 95267

Ion Ratio Lower Upper

107 100

109 95.0 64.6 120.0

188 3.1 2.2 3.4



#51

Chlorobenzene

Concen: 49.707 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

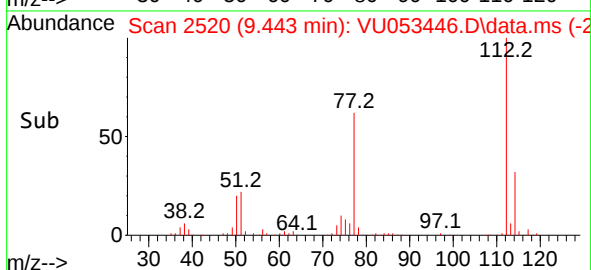
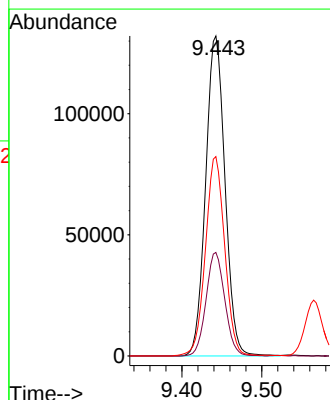
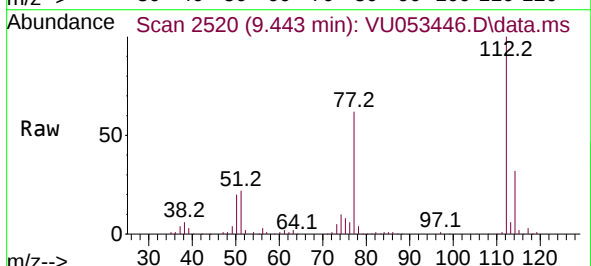
Tgt Ion:112 Resp: 222551

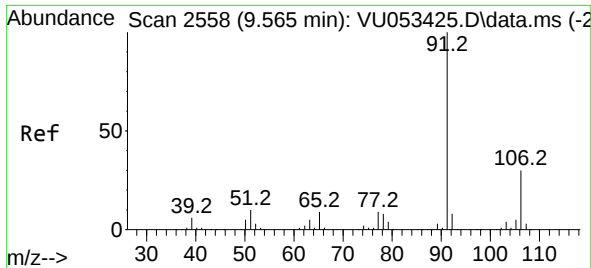
Ion Ratio Lower Upper

112 100

114 32.4 21.8 40.6

77 62.3 48.8 73.2

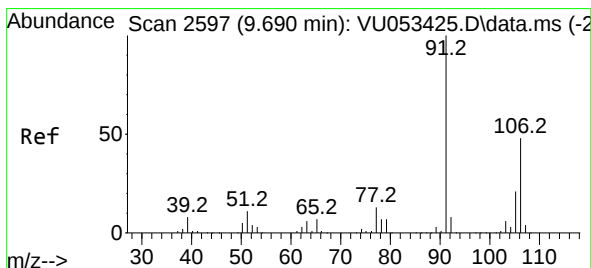
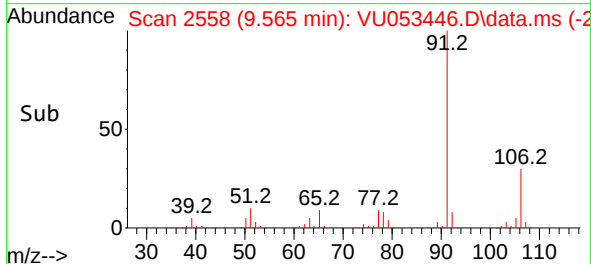
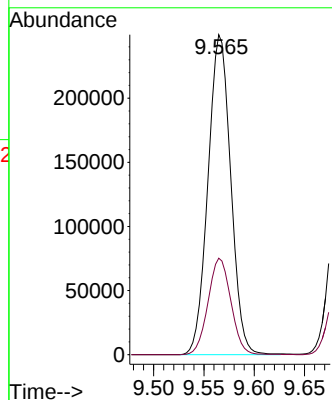
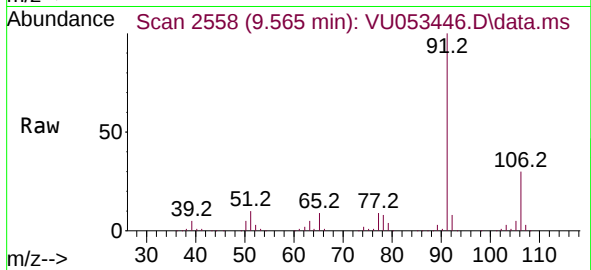




#52
Ethylbenzene
Concen: 48.175 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

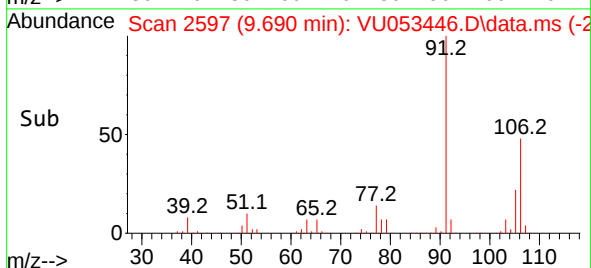
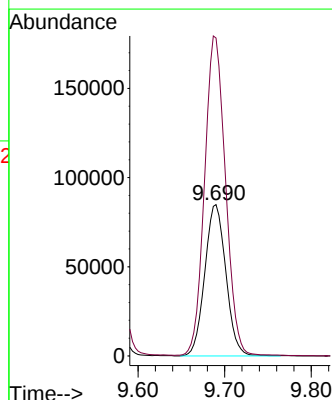
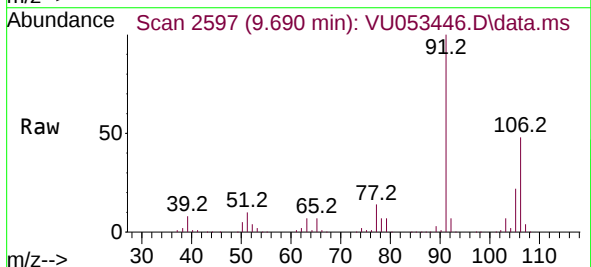
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

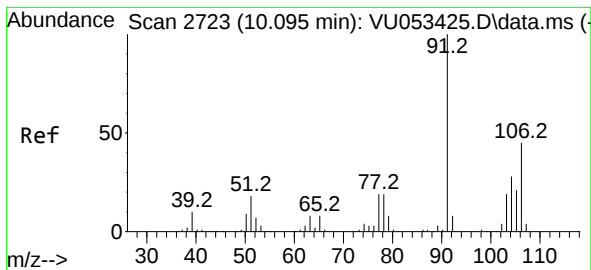
Tgt Ion: 91 Resp: 392460
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0



#53
m,p-Xylene
Concen: 47.304 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion: 106 Resp: 143831
Ion Ratio Lower Upper
106 100
91 210.0 145.3 269.8





#54

o-Xylene

Concen: 47.139 ug/L

RT: 10.095 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

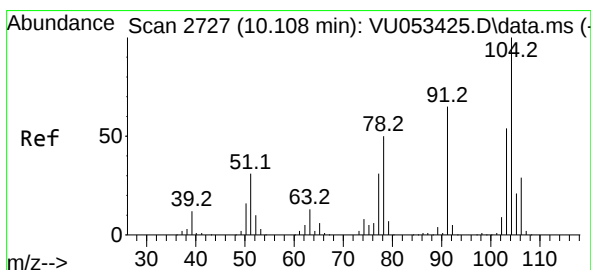
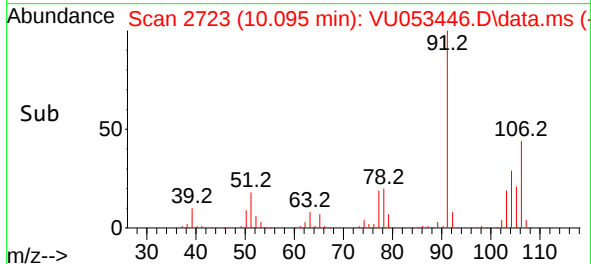
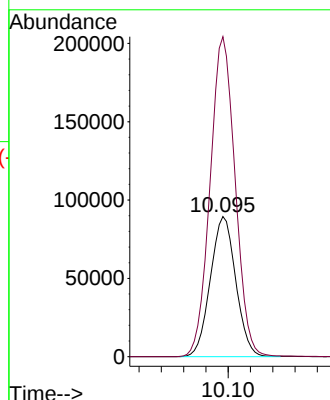
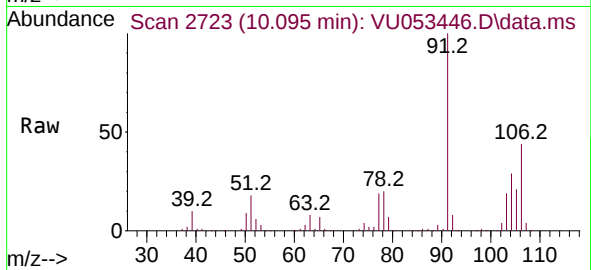
E45E9MS

Tgt Ion:106 Resp: 141759

Ion Ratio Lower Upper

106 100

91 228.2 154.9 287.7



#55

Styrene

Concen: 48.735 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU053446.D

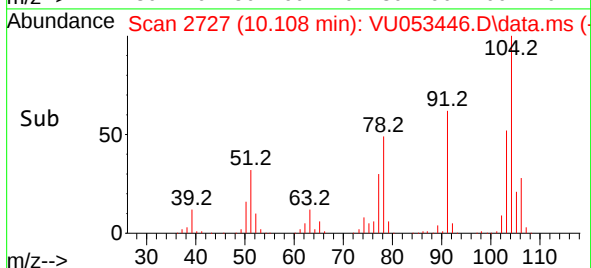
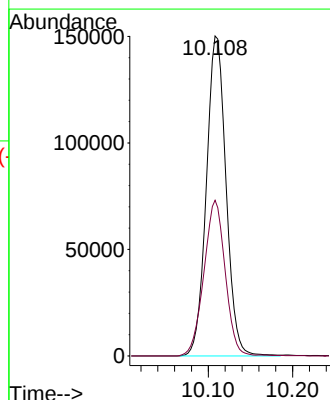
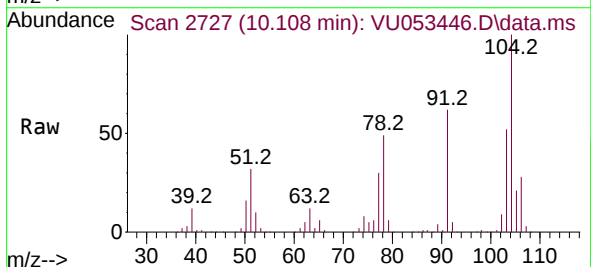
Acq: 28 Mar 2023 20:11

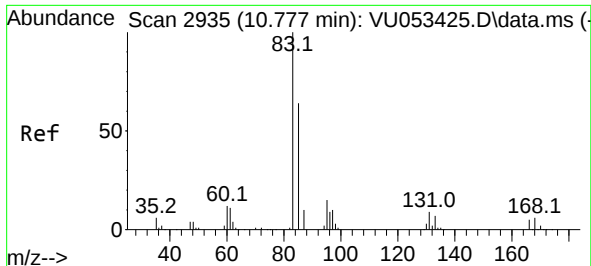
Tgt Ion:104 Resp: 244262

Ion Ratio Lower Upper

104 100

78 48.7 32.9 61.1

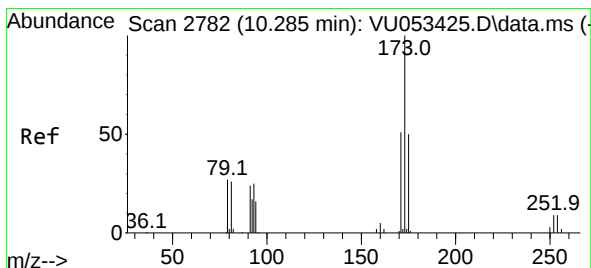
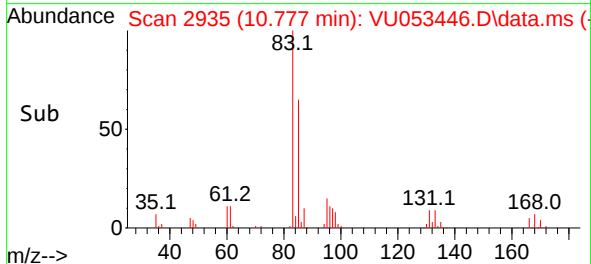
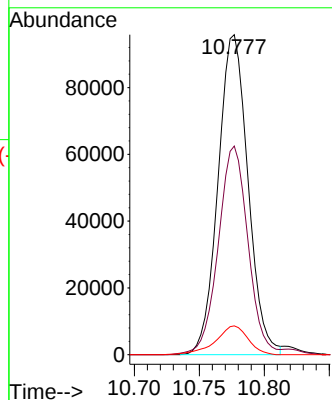
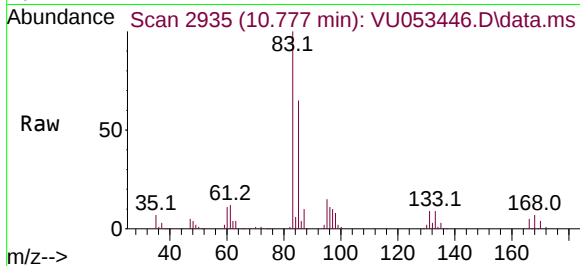




#57
1,1,2,2-Tetrachloroethane
Concen: 55.163 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

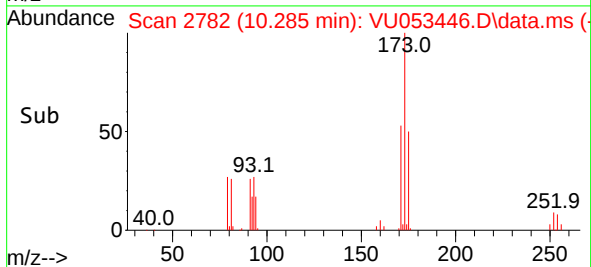
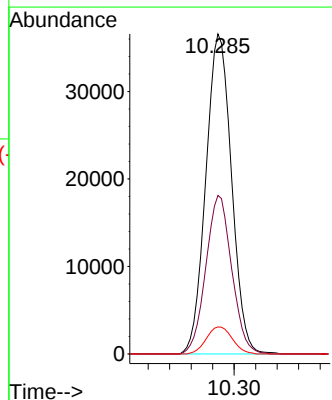
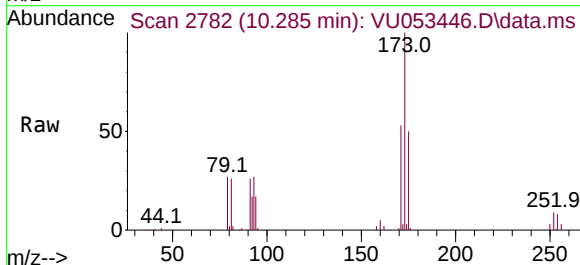
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

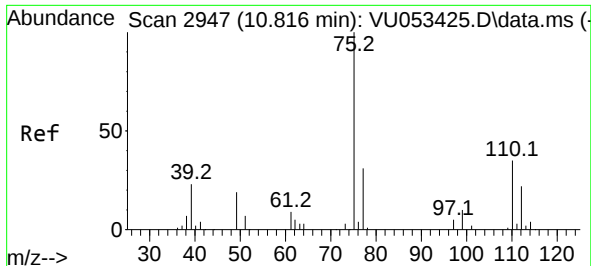
Tgt Ion: 83 Resp: 153525
Ion Ratio Lower Upper
83 100
85 65.2 46.0 85.4
131 9.0 6.6 10.0



#59
Bromoform
Concen: 53.168 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion: 173 Resp: 60670
Ion Ratio Lower Upper
173 100
175 49.8 38.5 57.7
254 8.6 6.5 9.7

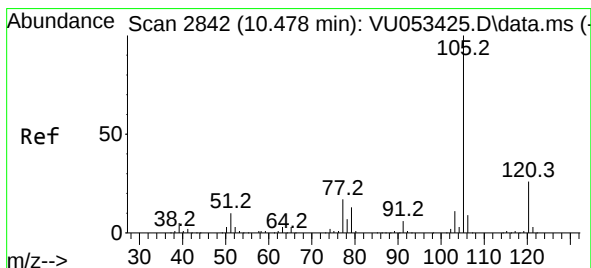
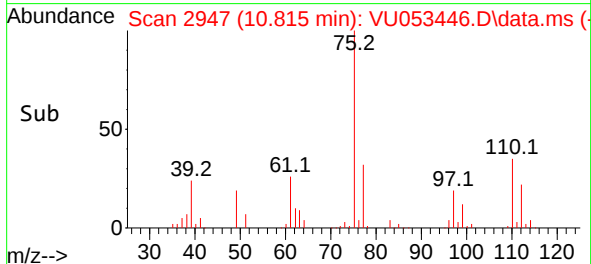
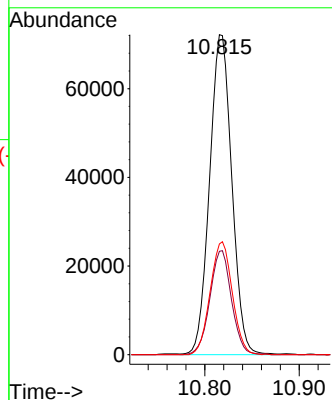
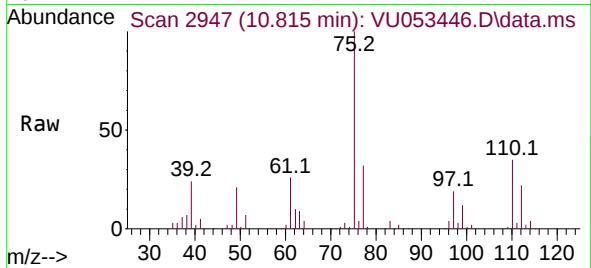




#60
1,2,3-Trichloropropane
Concen: 59.192 ug/L
RT: 10.815 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

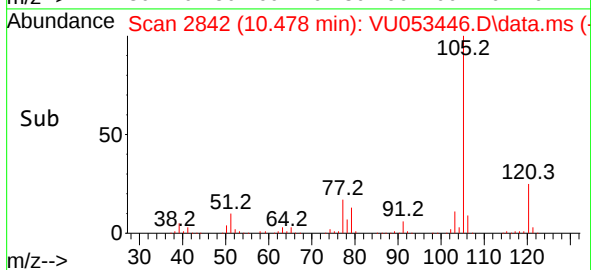
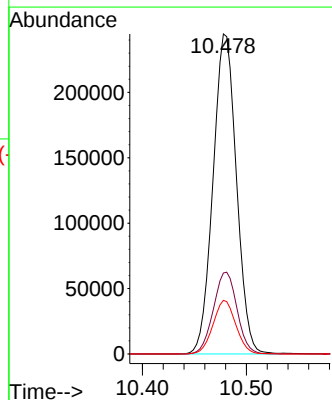
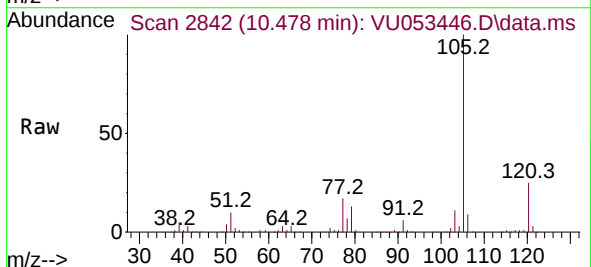
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

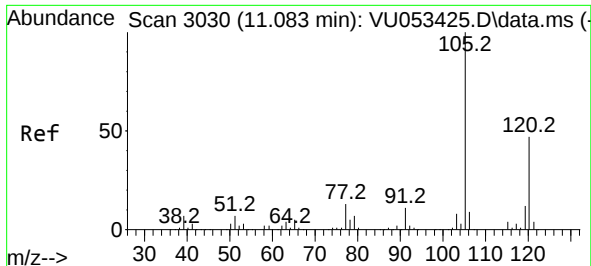
Tgt Ion: 75 Resp: 117941
Ion Ratio Lower Upper
75 100
77 31.6 26.6 40.0
110 35.1 28.6 42.8



#61
Isopropylbenzene
Concen: 48.300 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion: 105 Resp: 382658
Ion Ratio Lower Upper
105 100
120 25.8 20.4 30.6
77 16.4 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 46.686 ug/L

RT: 11.082 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

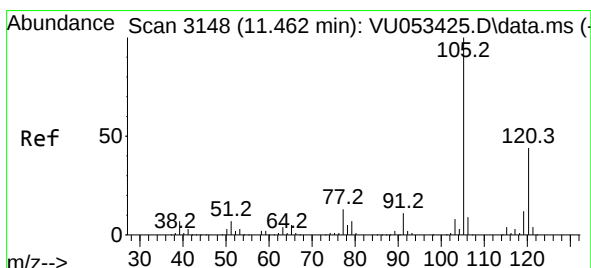
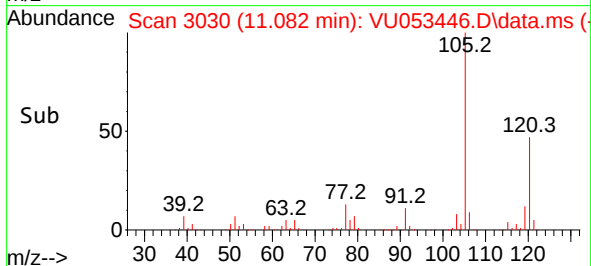
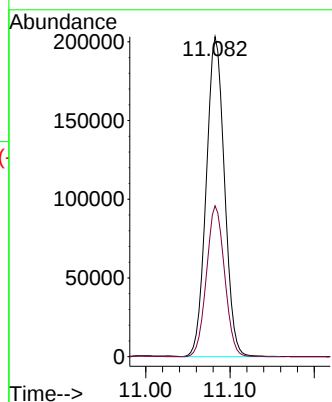
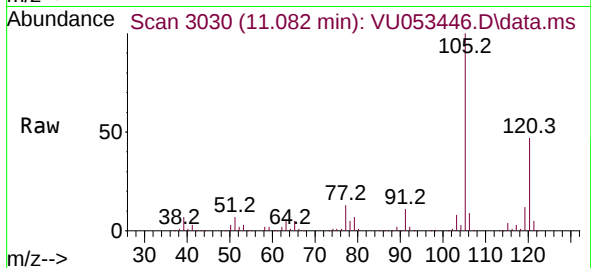
E45E9MS

Tgt Ion:105 Resp: 306166

Ion Ratio Lower Upper

105 100

120 46.9 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 46.631 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053446.D

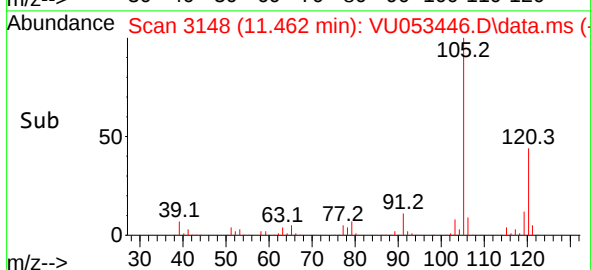
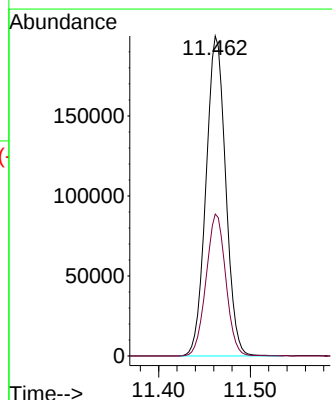
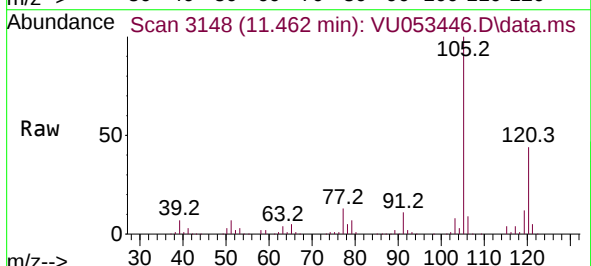
Acq: 28 Mar 2023 20:11

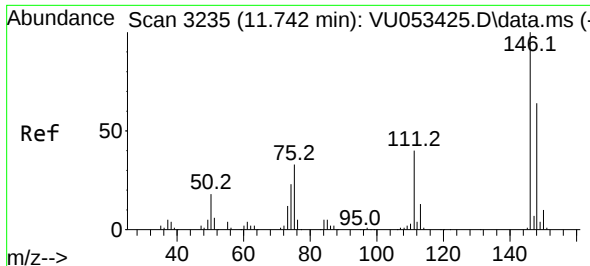
Tgt Ion:105 Resp: 298081

Ion Ratio Lower Upper

105 100

120 44.4 34.6 52.0

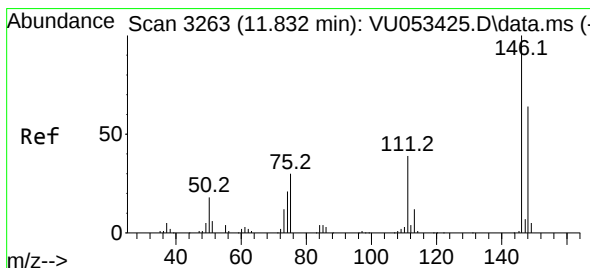
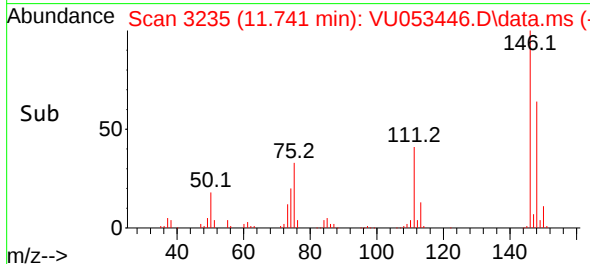
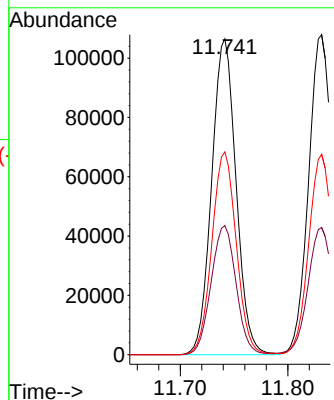
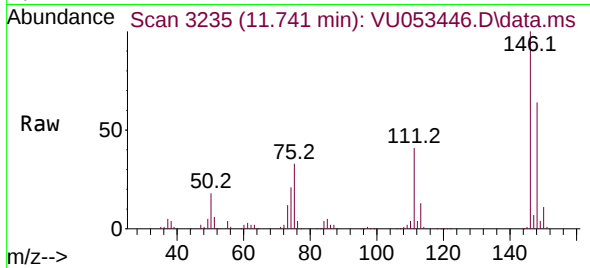




#64
1,3-Dichlorobenzene
Concen: 50.513 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

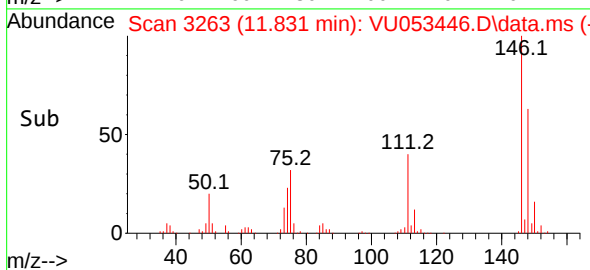
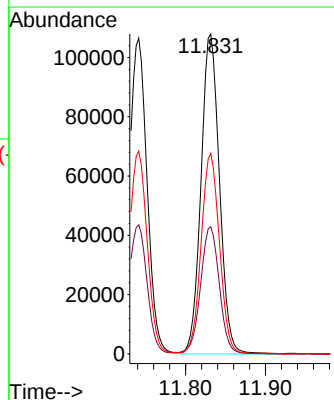
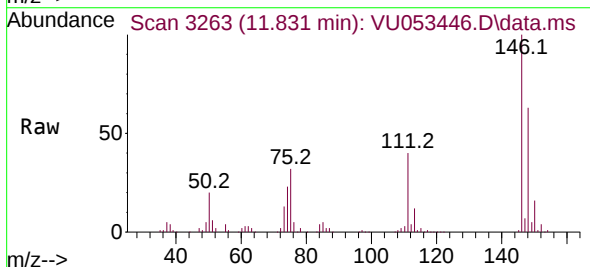
Instrument :
MSVOA_U
ClientSampleId :
E45E9MS

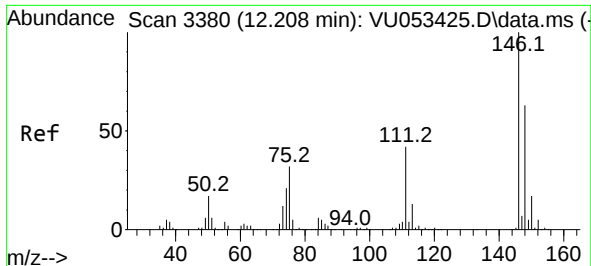
Tgt Ion:146 Resp: 167838
Ion Ratio Lower Upper
146 100
111 40.9 30.2 56.0
148 64.2 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 51.960 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053446.D
Acq: 28 Mar 2023 20:11

Tgt Ion:146 Resp: 173321
Ion Ratio Lower Upper
146 100
111 39.8 30.7 57.1
148 62.7 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 52.090 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

E45E9MS

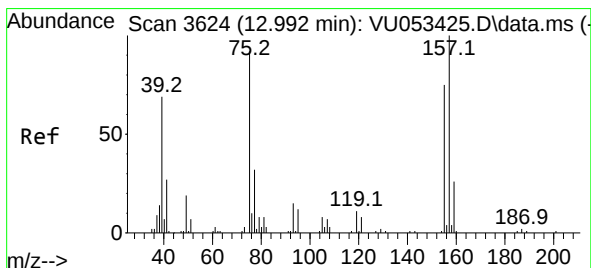
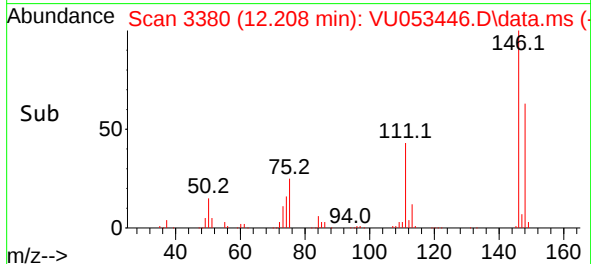
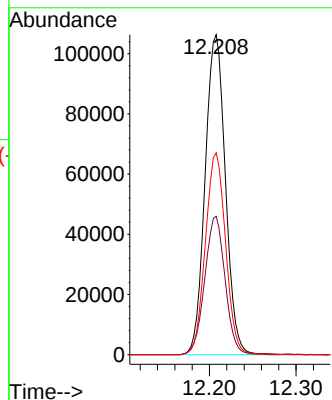
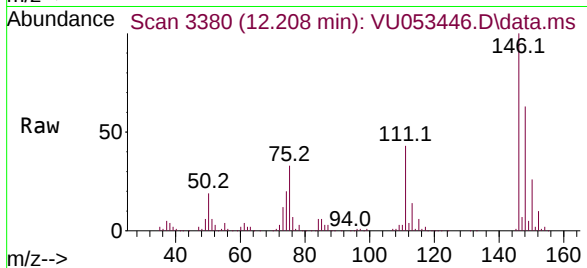
Tgt Ion:146 Resp: 172990

Ion Ratio Lower Upper

146 100

111 43.3 37.0 55.4

148 63.1 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 54.784 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

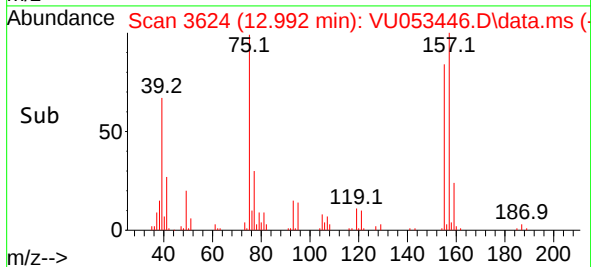
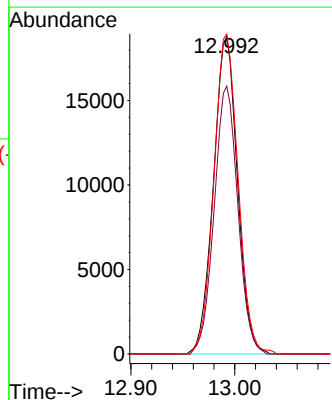
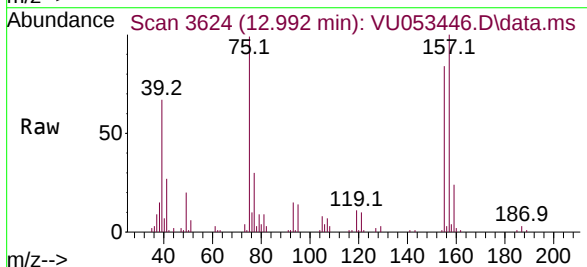
Tgt Ion: 75 Resp: 30185

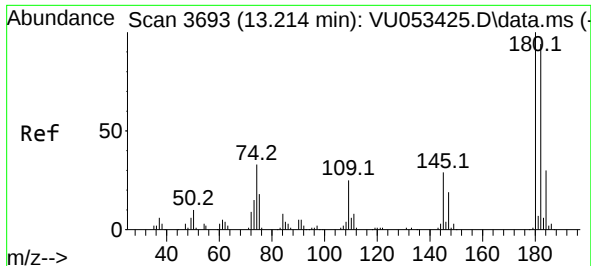
Ion Ratio Lower Upper

75 100

155 84.4 60.2 90.4

157 100.8 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 53.132 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU053446.D

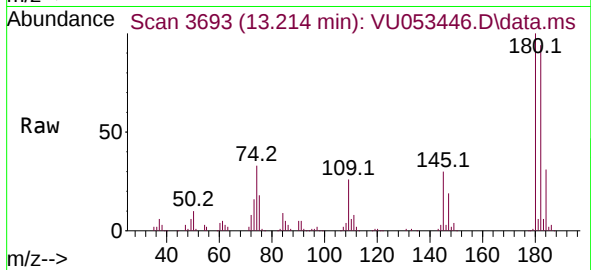
Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

E45E9MS



Tgt Ion:180 Resp: 111928

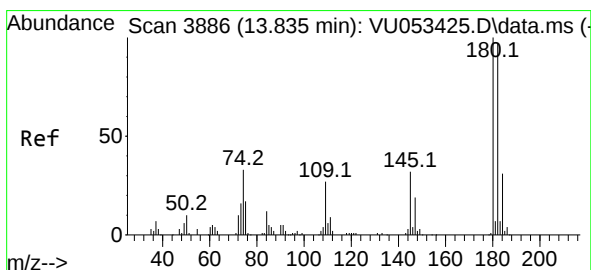
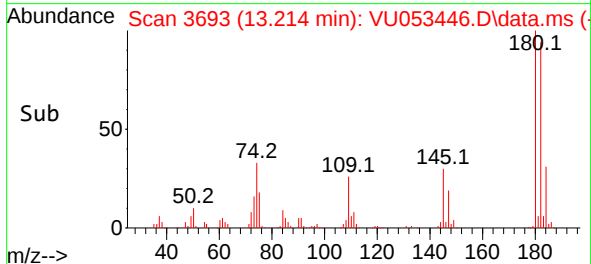
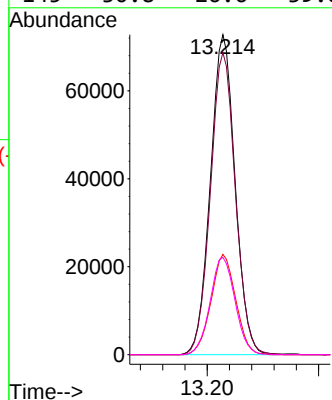
Ion Ratio Lower Upper

180 100

182 95.2 74.5 111.7

184 31.3 23.2 34.8

145 30.8 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 55.491 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

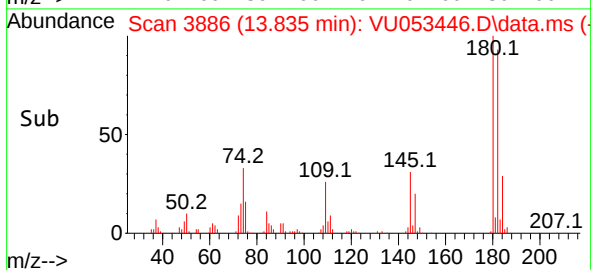
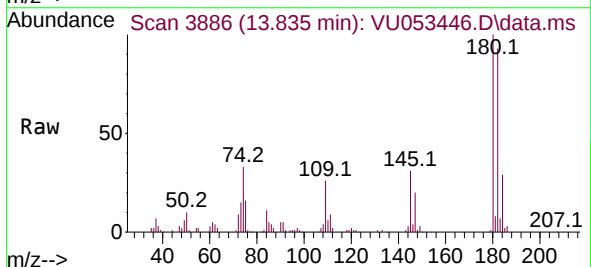
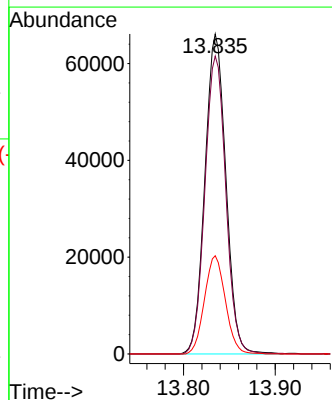
Tgt Ion:180 Resp: 105036

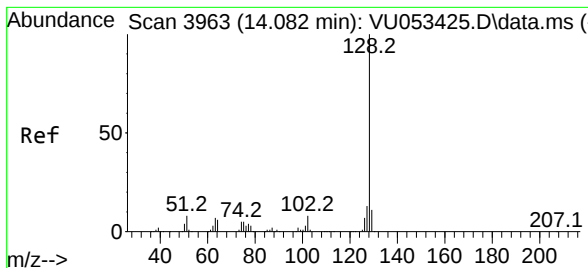
Ion Ratio Lower Upper

180 100

182 92.8 75.8 113.8

145 30.6 27.2 40.8





#71

Naphthalene

Concen: 54.962 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Instrument :

MSVOA_U

ClientSampleId :

E45E9MS

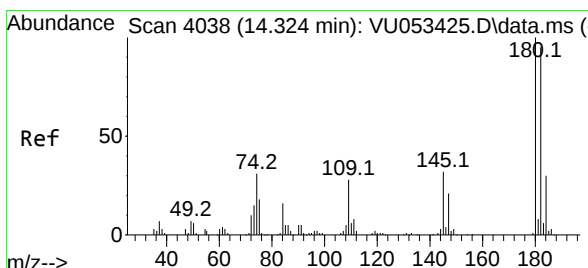
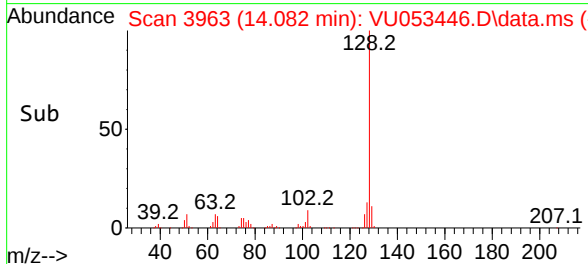
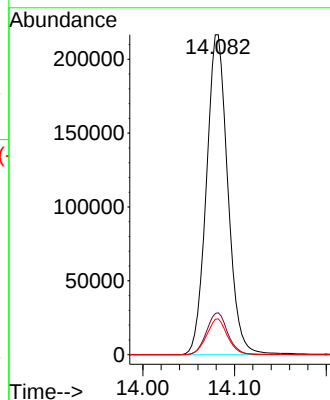
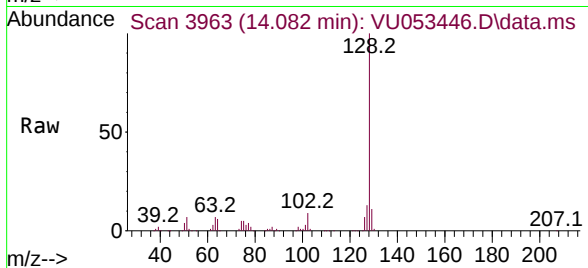
Tgt Ion:128 Resp: 350653

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 57.053 ug/L

RT: 14.323 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU053446.D

Acq: 28 Mar 2023 20:11

Tgt Ion:180 Resp: 102412

Ion Ratio Lower Upper

180 100

182 95.1 76.7 115.1

145 33.1 28.6 42.8

