

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121224\
 Data File : VU062274.D
 Acq On : 12 Dec 2024 09:02
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Quant Time: Dec 13 00:11:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 12 01:45:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	100527	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	95085	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	50288	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	26722	3.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.800%
7) Chloroethane-d5	1.911	69	21661	4.491	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.560	65	13475	4.177	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.600%
20) 2-Butanone-d5	4.627	46	66873	51.461	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.920%
24) Chloroform-d	5.052	84	70048	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.692	65	35182	4.875	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
32) Benzene-d6	5.717	84	120968	4.417	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.682	67	35690	4.555	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.891	98	113913	4.403	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
43) trans-1,3-Dichloroprop...	8.174	79	15903	4.611	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.200%
46) 2-Hexanone-d5	8.627	63	53659	51.568	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.140%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	30231	4.958	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	43062	4.647	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	49375	5.243	ug/L	99
3) Chloromethane	1.515	50	36629	4.962	ug/L	98
5) Vinyl chloride	1.602	62	40001	5.205	ug/L #	75
6) Bromomethane	1.853	94	23513	4.590	ug/L	99
8) Chloroethane	1.930	64	21287	4.945	ug/L	94
9) Trichlorofluoromethane	2.132	101	72282	5.419	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	39504	5.441	ug/L	92
12) 1,1-Dichloroethene	2.573	96	34254	5.047	ug/L	90
13) Acetone	2.647	43	47138	53.276	ug/L	94
14) Carbon disulfide	2.785	76	105128	4.898	ug/L	100
15) Methyl Acetate	2.955	43	11499	5.185	ug/L	97
16) Methylene chloride	3.039	84	37513	5.265	ug/L	88
17) Methyl tert-butyl Ether	3.354	73	86558	5.119	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	36598	5.248	ug/L	90
19) 1,1-Dichloroethane	3.859	63	66278	5.185	ug/L	98
21) 2-Butanone	4.708	43	69934	54.426	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	40084	5.128	ug/L	97
23) Bromochloromethane	4.968	128	18015	5.258	ug/L #	84
25) Chloroform	5.078	83	76241	5.295	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121224\
 Data File : VU062274.D
 Acq On : 12 Dec 2024 09:02
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Quant Time: Dec 13 00:11:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 12 01:45:00 2024
 Response via : Initial Calibration

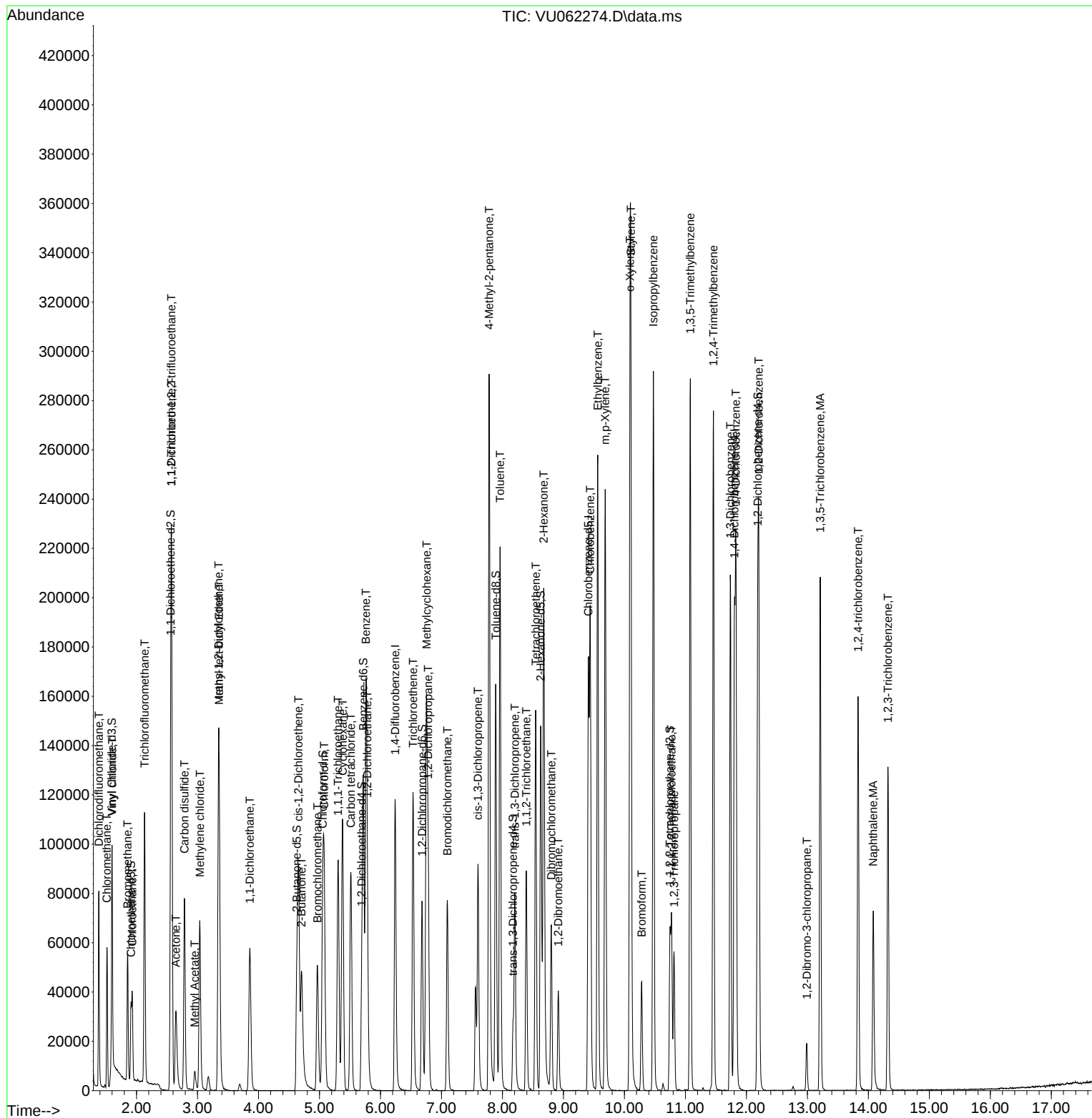
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	47430	5.184	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	72727	5.437	ug/L	95
30) Cyclohexane	5.380	56	54549	5.029	ug/L	95
31) Carbon tetrachloride	5.515	117	66192	5.397	ug/L	96
33) Benzene	5.762	78	151300	5.135	ug/L	100
34) Trichloroethene	6.534	95	43499	5.211	ug/L	97
35) Methylcyclohexane	6.756	83	63089	5.098	ug/L	97
37) 1,2-Dichloropropane	6.782	63	37948	5.288	ug/L	99
38) Bromodichloromethane	7.097	83	52717	5.207	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	58354	5.073	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	173880	51.702	ug/L #	92
42) Toluene	7.962	91	168488	5.303	ug/L	95
44) trans-1,3-Dichloropropene	8.203	75	49315	5.251	ug/L	98
45) 1,1,2-Trichloroethane	8.389	97	28907	5.336	ug/L	94
47) Tetrachloroethene	8.547	164	35523	5.512	ug/L	95
48) 2-Hexanone	8.676	43	126611	50.941	ug/L #	94
49) Dibromochloromethane	8.801	129	35571	5.435	ug/L	98
50) 1,2-Dibromoethane	8.917	107	27995	5.378	ug/L #	98
51) Chlorobenzene	9.441	112	106269	5.220	ug/L	98
52) Ethylbenzene	9.563	91	187717	5.269	ug/L	98
53) m,p-Xylene	9.685	106	70753	5.379	ug/L	95
54) o-Xylene	10.093	106	68745	5.374	ug/L	99
55) Styrene	10.106	104	113394	5.378	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.772	83	33913	5.379	ug/L #	99
59) Bromoform	10.283	173	20808	5.265	ug/L	98
60) Isopropylbenzene	10.476	105	190618	5.247	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	23574	5.070	ug/L	95
62) 1,3,5-Trimethylbenzene	11.081	105	163003	5.302	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	158104	5.249	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	87631	5.251	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	86802	5.166	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	81111	5.260	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	5835	5.753	ug/L	98
69) 1,3,5-Trichlorobenzene	13.212	180	66735	5.380	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	50790	5.186	ug/L	99
71) Naphthalene	14.080	128	64494	4.385	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	41183	4.768	ug/L	98

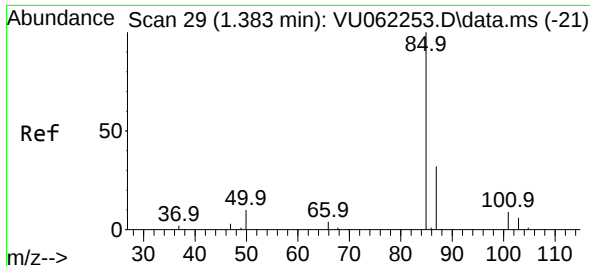
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121224\
 Data File : VU062274.D
 Acq On : 12 Dec 2024 09:02
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Quant Time: Dec 13 00:11:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
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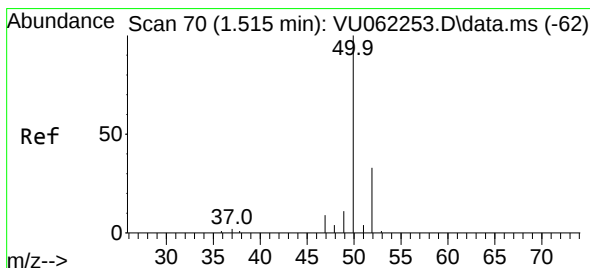
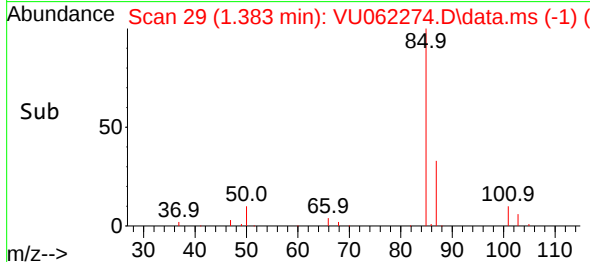
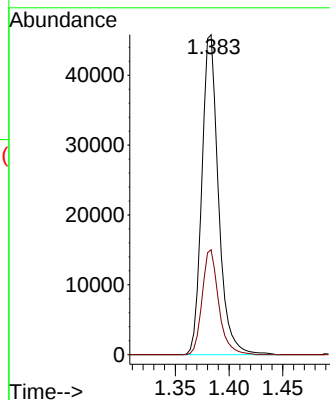
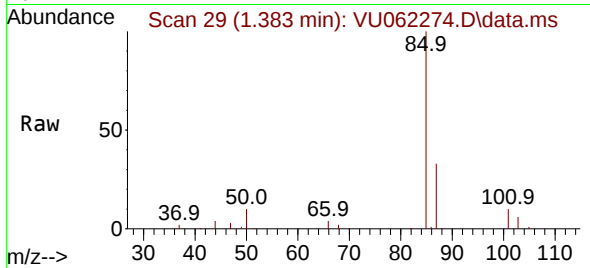




#2
Dichlorodifluoromethane
Concen: 5.243 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

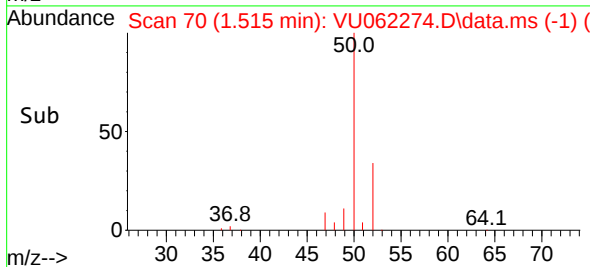
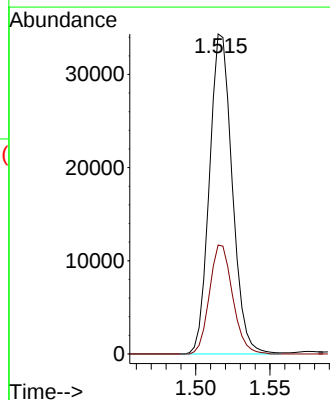
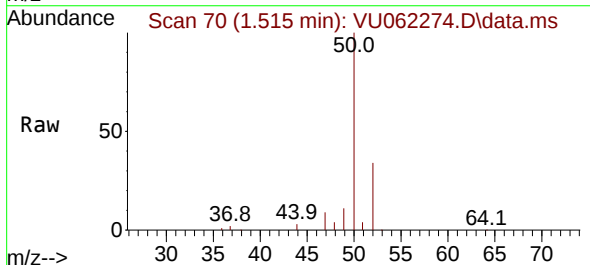
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

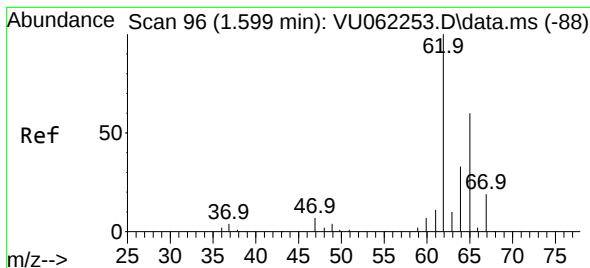
Tgt Ion: 85 Resp: 49375
Ion Ratio Lower Upper
85 100
87 32.5 26.6 40.0



#3
Chloromethane
Concen: 4.962 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion: 50 Resp: 36629
Ion Ratio Lower Upper
50 100
52 34.0 23.1 42.9





#5

Vinyl chloride

Concen: 5.205 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

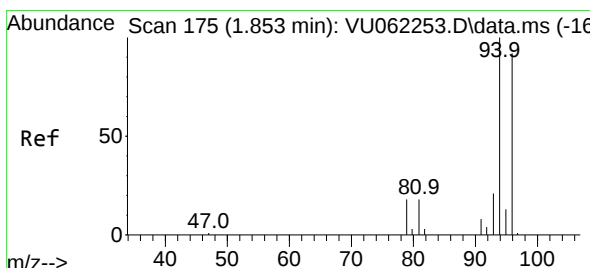
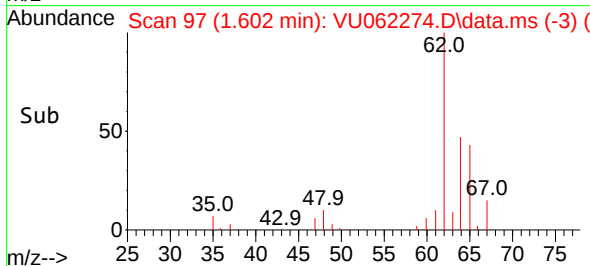
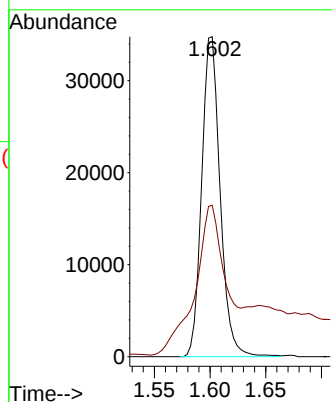
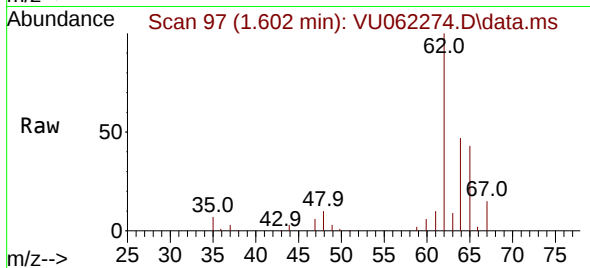
VSTD005183

Tgt Ion: 62 Resp: 40001

Ion Ratio Lower Upper

62 100

64 47.3 23.1 42.9#



#6

Bromomethane

Concen: 4.590 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU062274.D

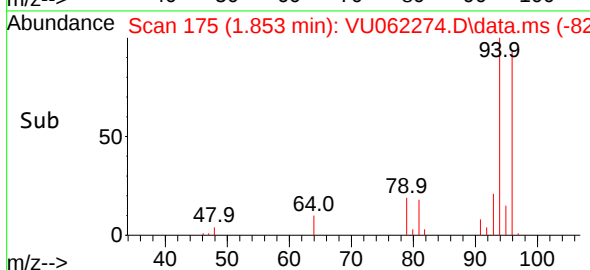
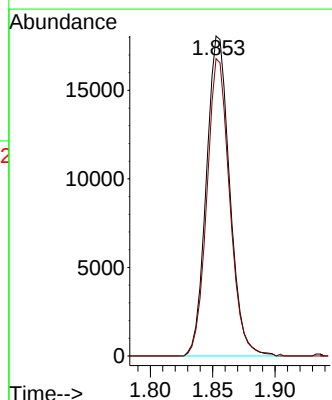
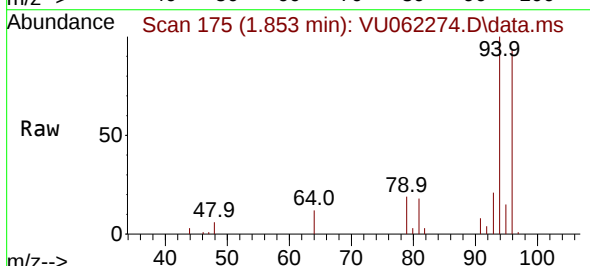
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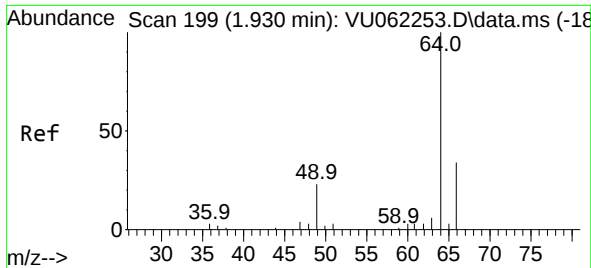
Tgt Ion: 94 Resp: 23513

Ion Ratio Lower Upper

94 100

96 92.9 64.5 119.9

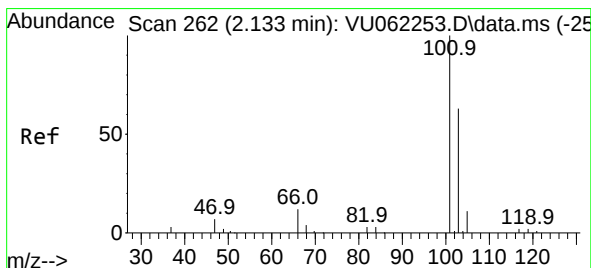
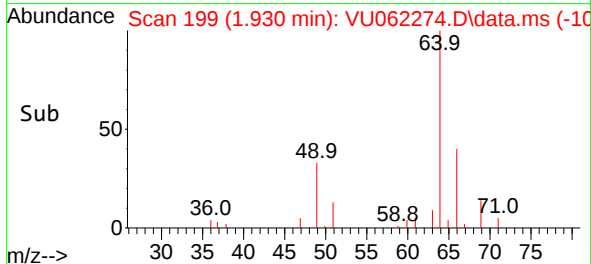
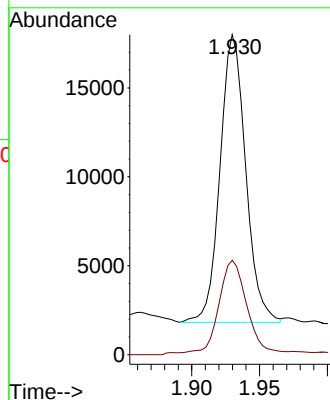
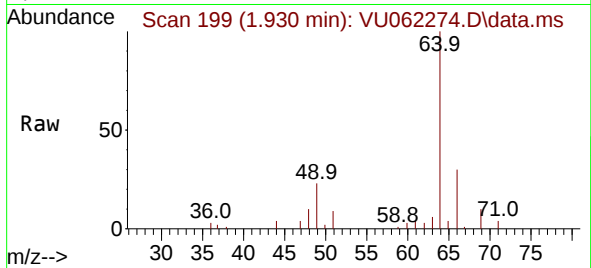




#8
Chloroethane
Concen: 4.945 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

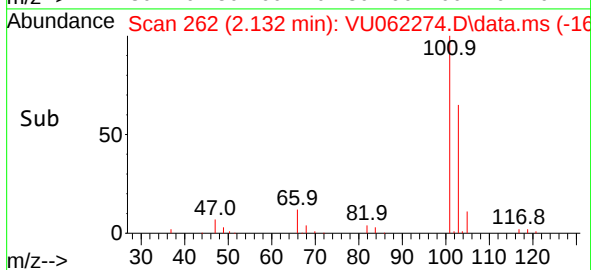
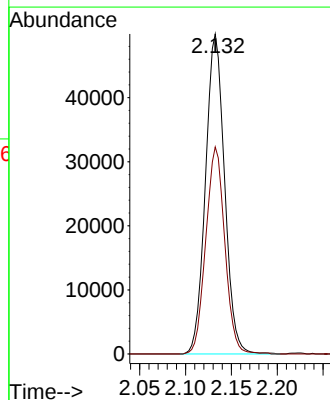
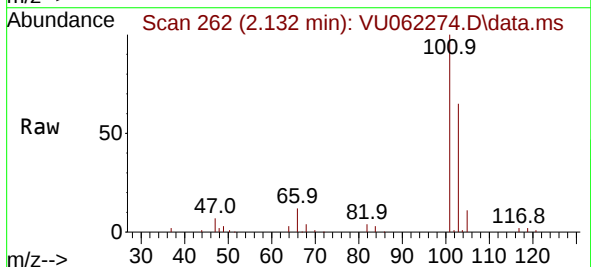
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

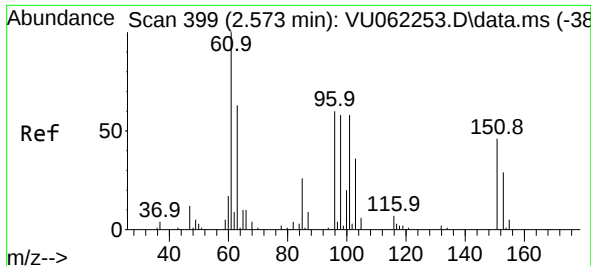
Tgt Ion: 64 Resp: 21287
Ion Ratio Lower Upper
64 100
66 29.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 5.419 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion:101 Resp: 72282
Ion Ratio Lower Upper
101 100
103 64.4 50.6 75.8

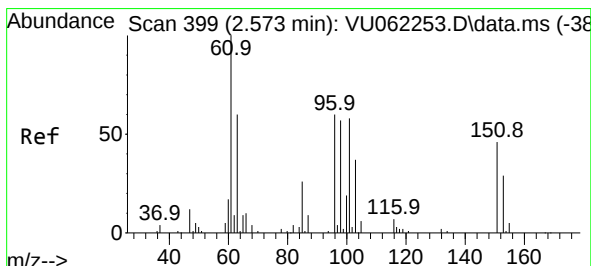
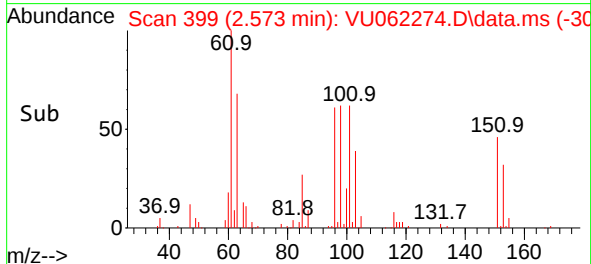
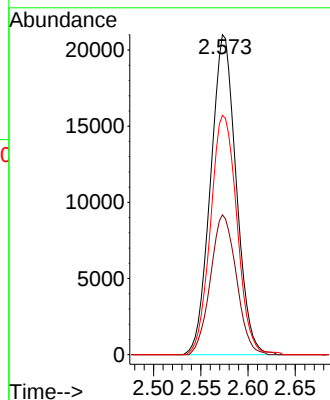
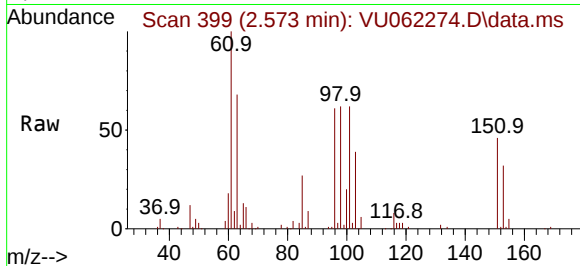




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.441 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU062274.D
 Acq: 12 Dec 2024 09:02

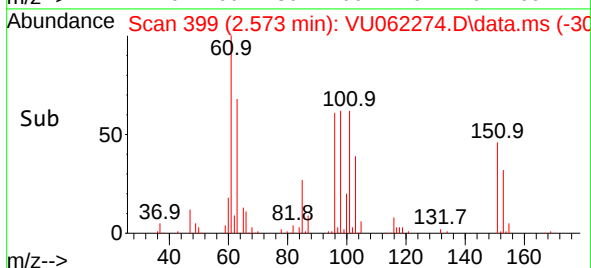
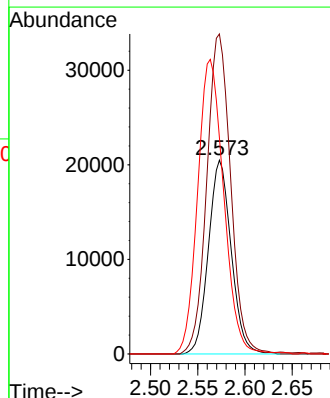
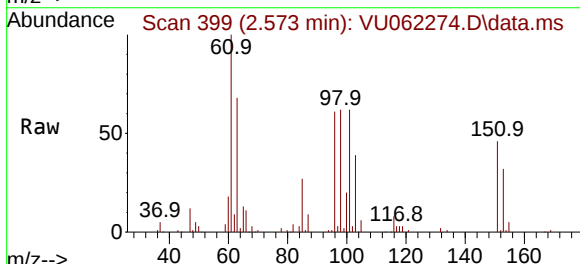
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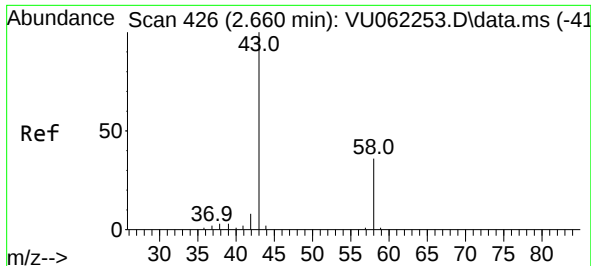
Tgt Ion:101 Resp: 39504
 Ion Ratio Lower Upper
 101 100
 85 44.1 38.0 57.0
 151 77.4 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 5.047 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: VU062274.D
 Acq: 12 Dec 2024 09:02

Tgt Ion: 96 Resp: 34254
 Ion Ratio Lower Upper
 96 100
 61 165.1 119.6 222.2
 63 111.8 65.0 120.6





#13

Acetone

Concen: 53.276 ug/L

RT: 2.647 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

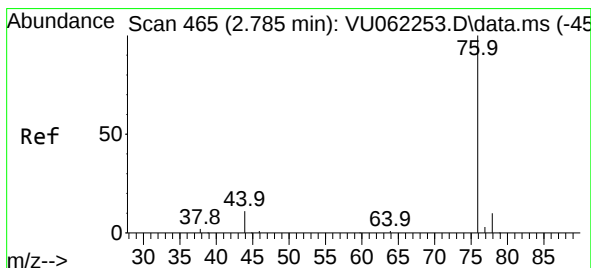
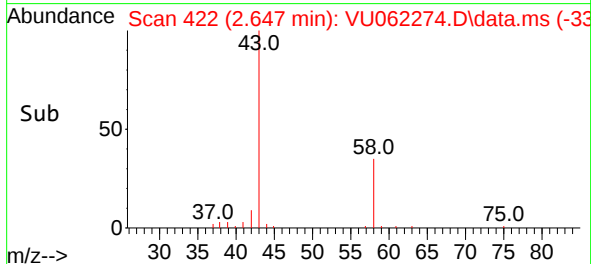
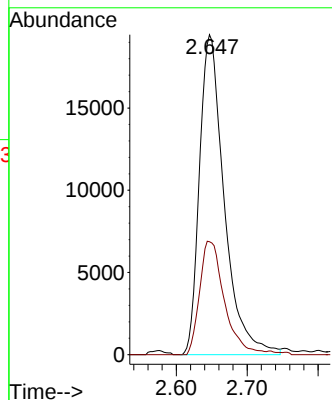
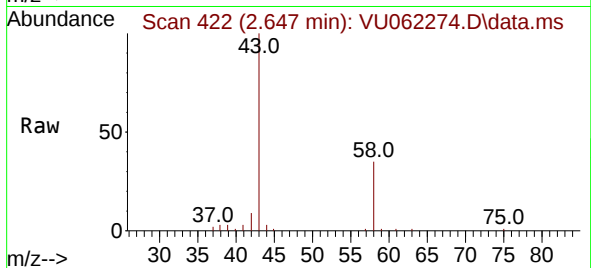
VSTD005183

Tgt Ion: 43 Resp: 47138

Ion Ratio Lower Upper

43 100

58 35.4 0.0 64.0



#14

Carbon disulfide

Concen: 4.898 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU062274.D

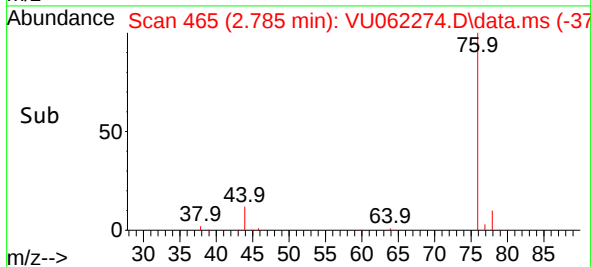
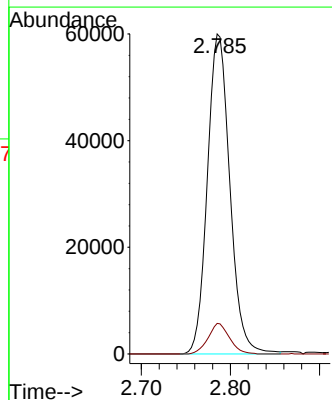
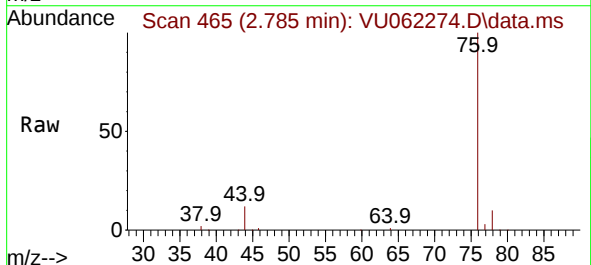
Acq: 12 Dec 2024 09:02

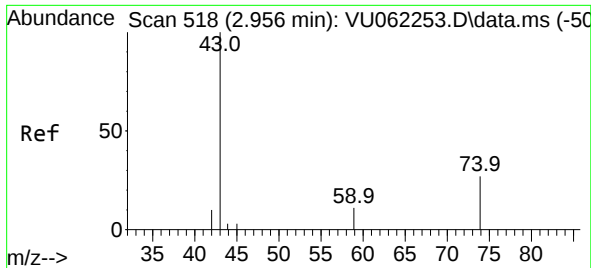
Tgt Ion: 76 Resp: 105128

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

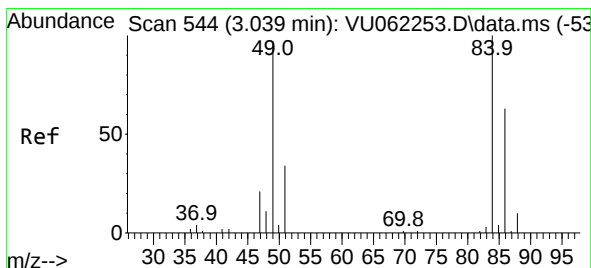
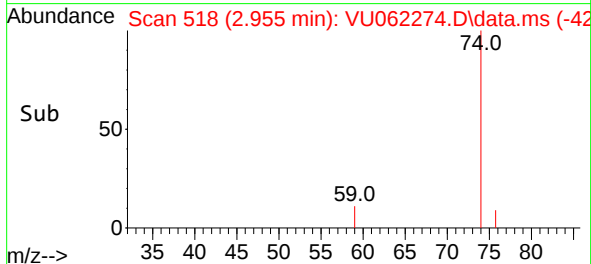
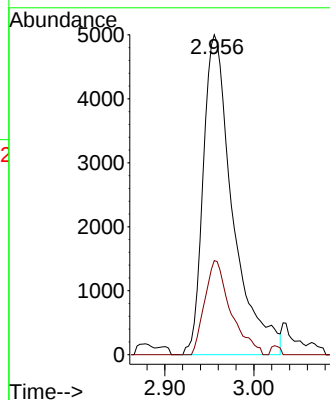
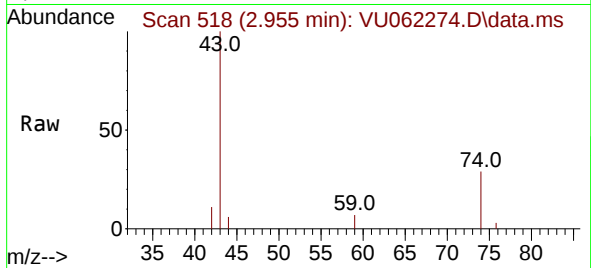




#15
Methyl Acetate
Concen: 5.185 ug/L
RT: 2.955 min Scan# 518
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

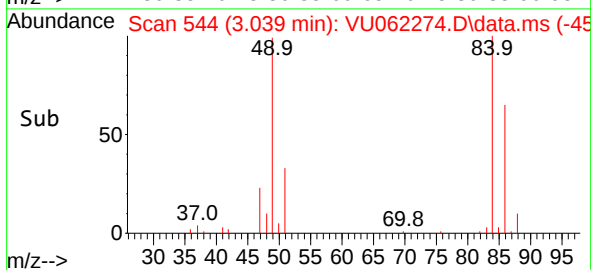
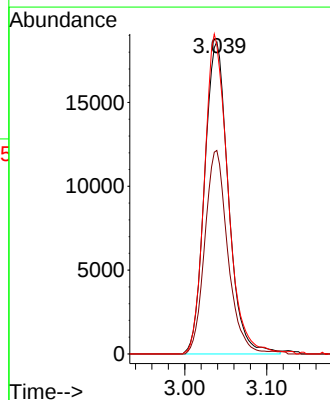
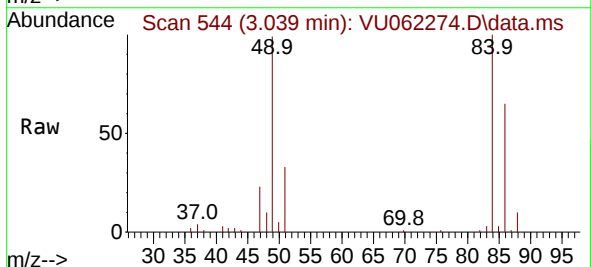
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

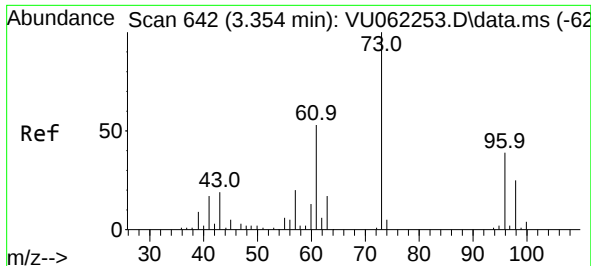
Tgt Ion: 43 Resp: 11499
Ion Ratio Lower Upper
43 100
74 25.9 19.4 29.2



#16
Methylene chloride
Concen: 5.265 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion: 84 Resp: 37513
Ion Ratio Lower Upper
84 100
86 65.2 43.5 80.7
49 99.0 81.9 152.1





#17

Methyl tert-butyl Ether

Concen: 5.119 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

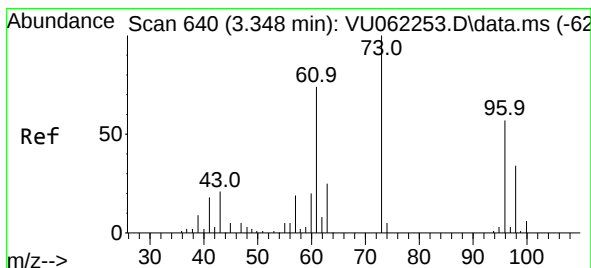
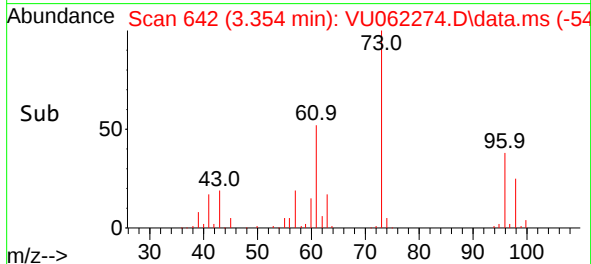
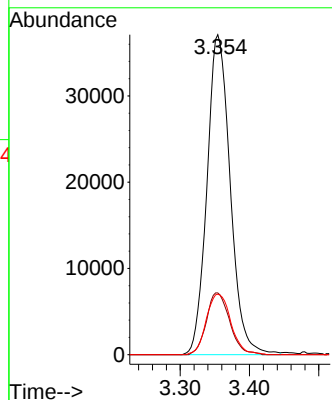
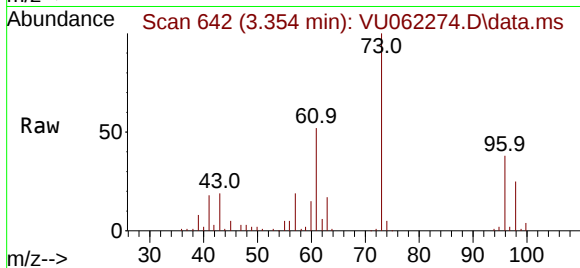
Tgt Ion: 73 Resp: 86558

Ion Ratio Lower Upper

73 100

43 19.3 16.3 24.5

57 20.0 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 5.248 ug/L

RT: 3.345 min Scan# 639

Delta R.T. -0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

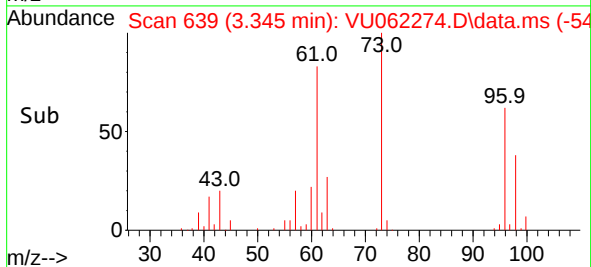
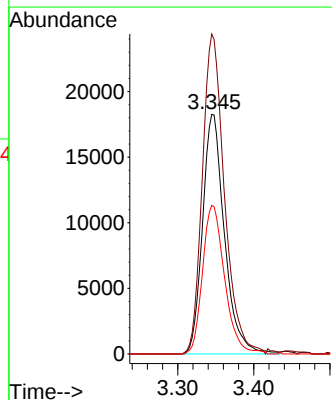
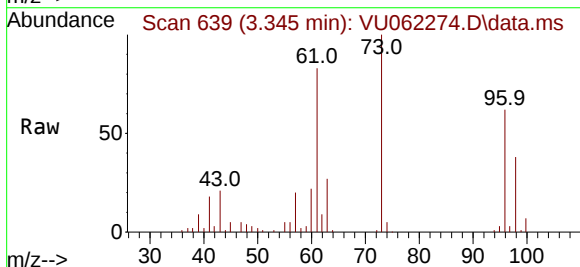
Tgt Ion: 96 Resp: 36598

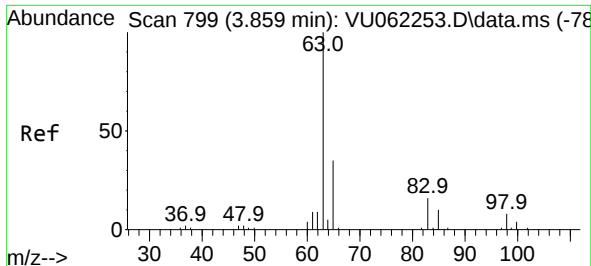
Ion Ratio Lower Upper

96 100

61 133.6 104.2 193.4

98 62.0 45.7 84.9

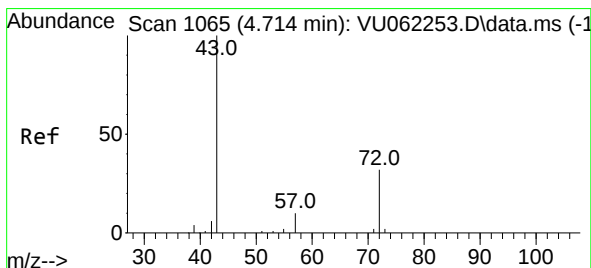
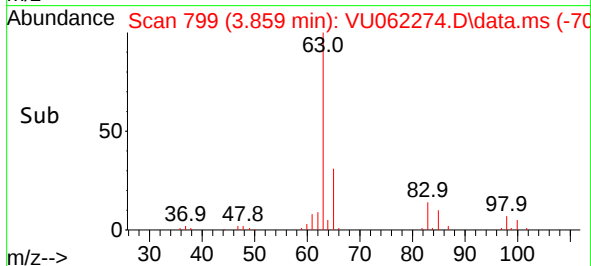
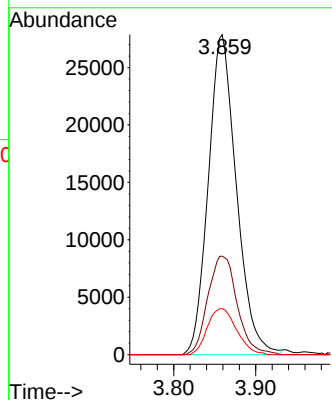
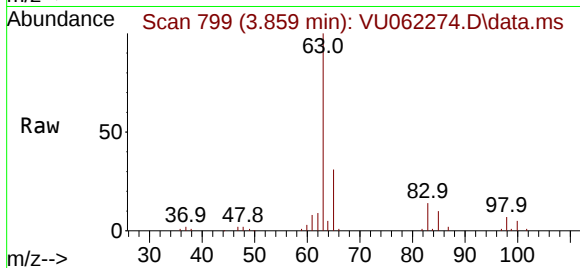




#19
1,1-Dichloroethane
Concen: 5.185 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

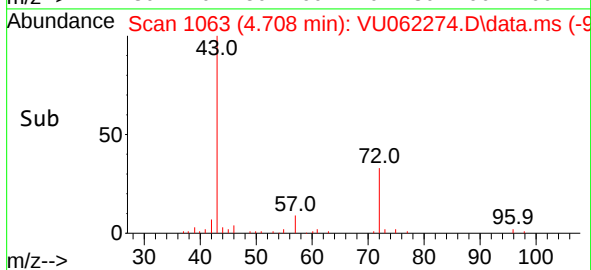
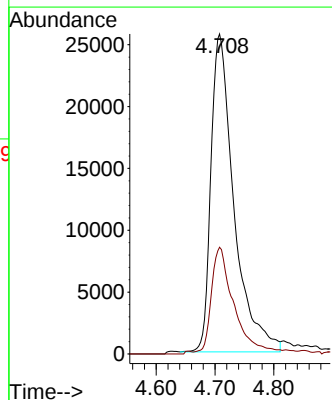
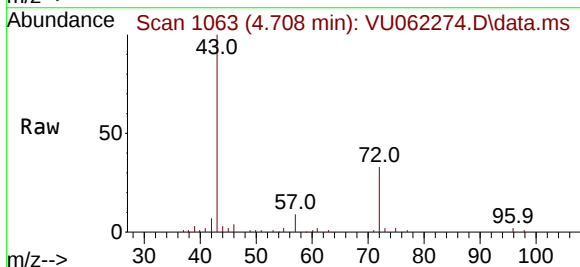
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

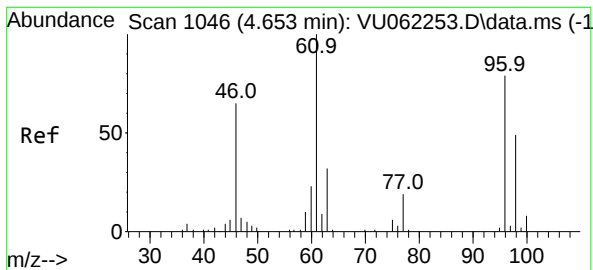
Tgt Ion:	63	Resp:	66278
Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.7	42.3
83	14.4	9.9	18.3



#21
2-Butanone
Concen: 54.426 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. -0.007 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion:	43	Resp:	69934
Ion	Ratio	Lower	Upper
43	100		
72	30.9	14.8	44.4





#22

cis-1,2-Dichloroethene

Concen: 5.128 ug/L

RT: 4.656 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

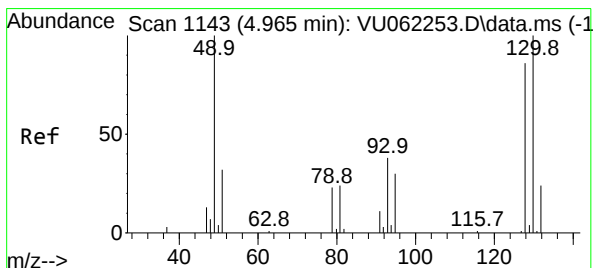
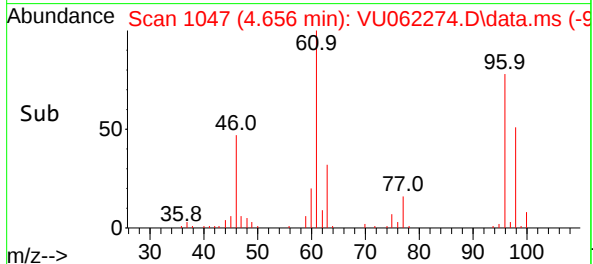
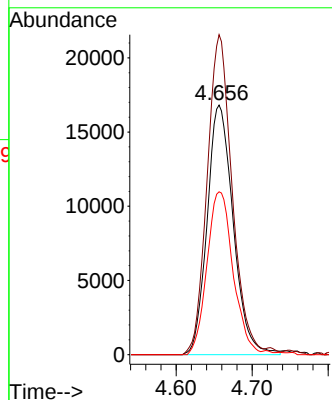
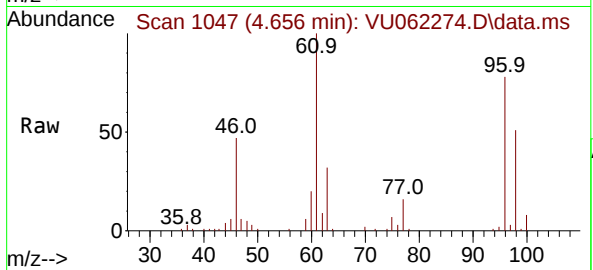
Tgt Ion: 96 Resp: 40084

Ion Ratio Lower Upper

96 100

61 128.2 92.0 170.8

98 65.3 44.5 82.7



#23

Bromochloromethane

Concen: 5.258 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Tgt Ion:128 Resp: 18015

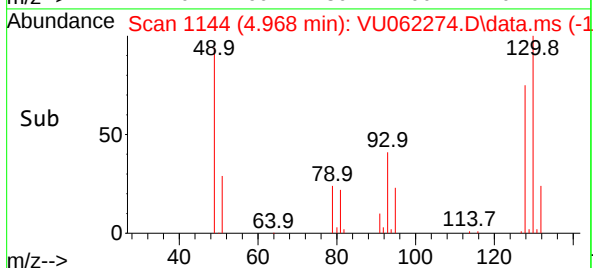
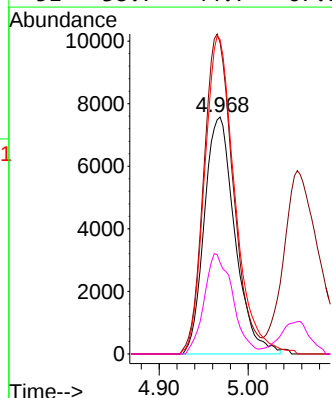
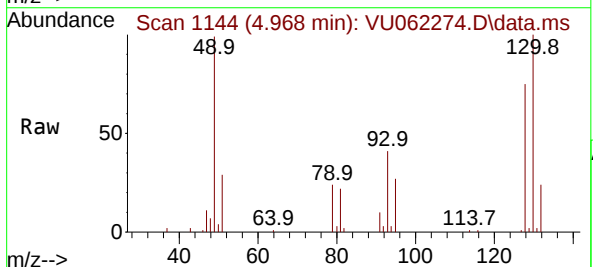
Ion Ratio Lower Upper

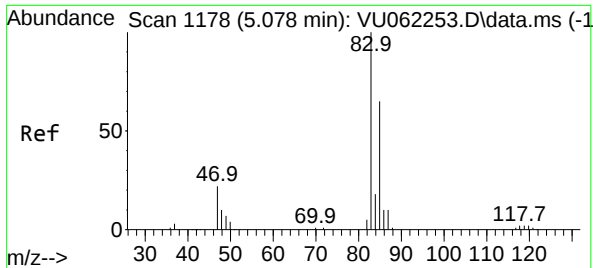
128 100

49 131.4 115.3 214.1

130 132.7 92.0 170.8

51 38.7 44.7 67.1#





#25

Chloroform

Concen: 5.295 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

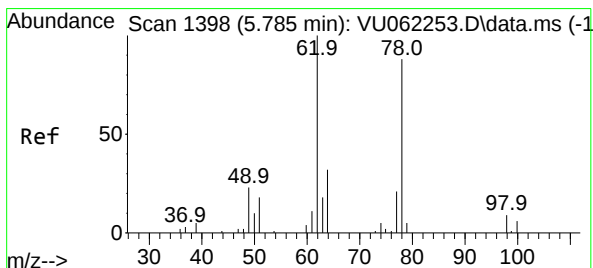
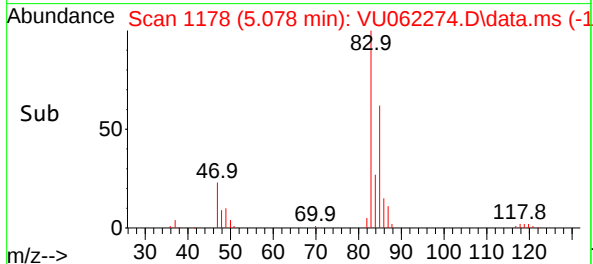
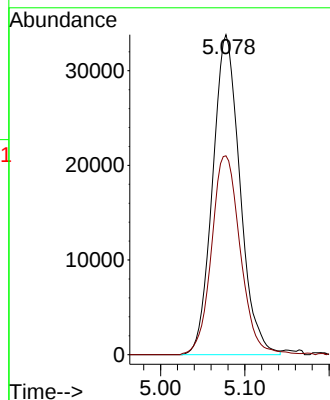
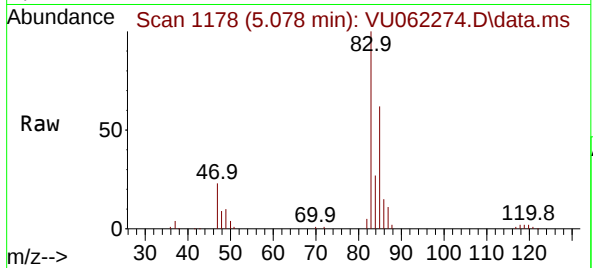
VSTD005183

Tgt Ion: 83 Resp: 76241

Ion Ratio Lower Upper

83 100

85 62.2 45.4 84.2



#27

1,2-Dichloroethane

Concen: 5.184 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU062274.D

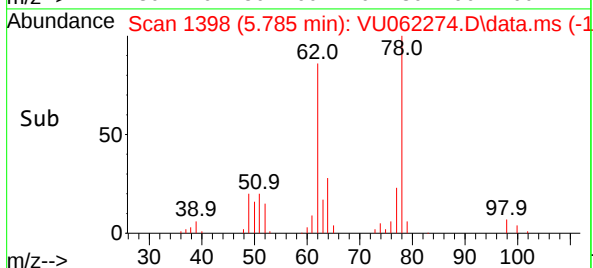
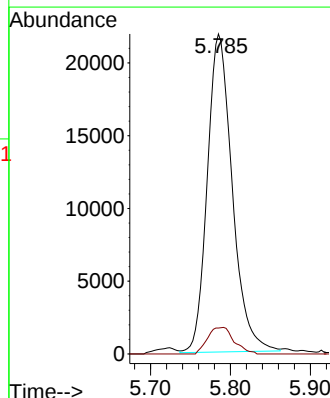
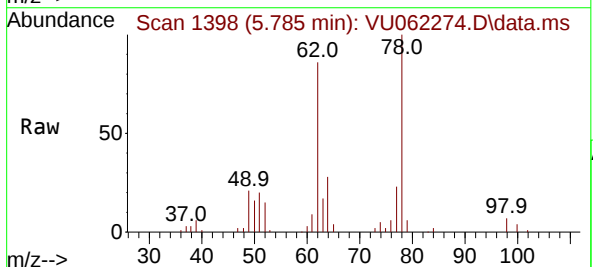
Acq: 12 Dec 2024 09:02

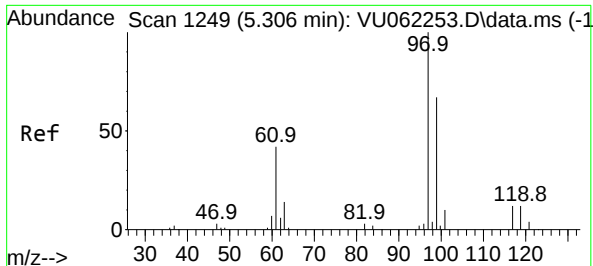
Tgt Ion: 62 Resp: 47430

Ion Ratio Lower Upper

62 100

98 8.1 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 5.437 ug/L

RT: 5.306 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

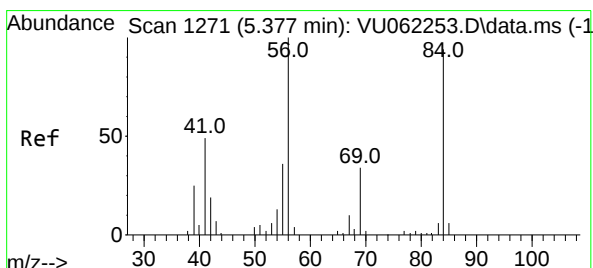
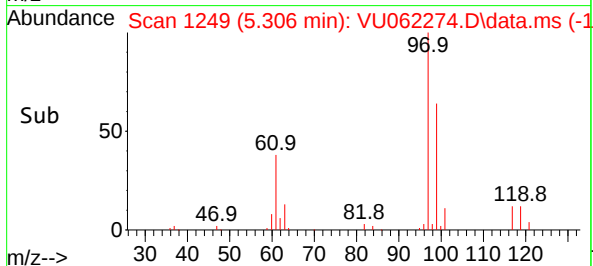
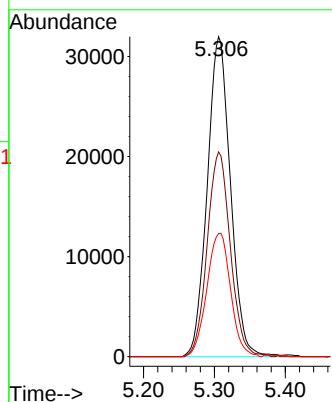
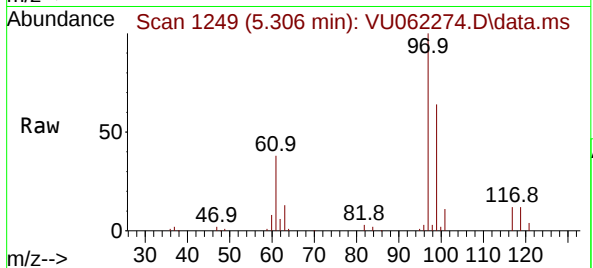
Tgt Ion: 97 Resp: 72727

Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.2

61 39.4 37.8 56.6



#30

Cyclohexane

Concen: 5.029 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

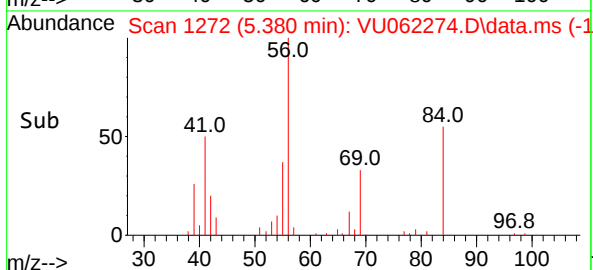
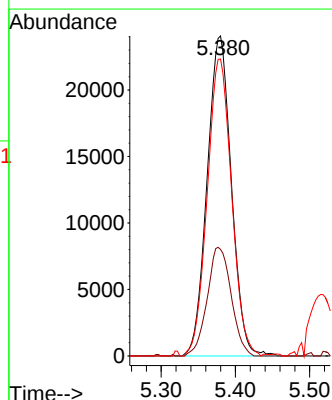
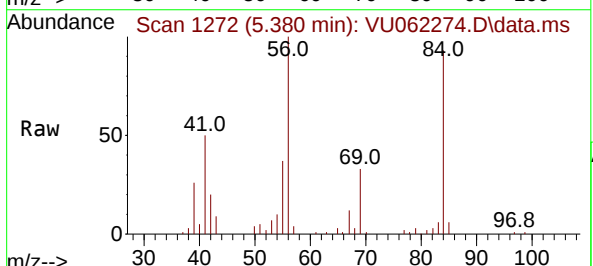
Tgt Ion: 56 Resp: 54549

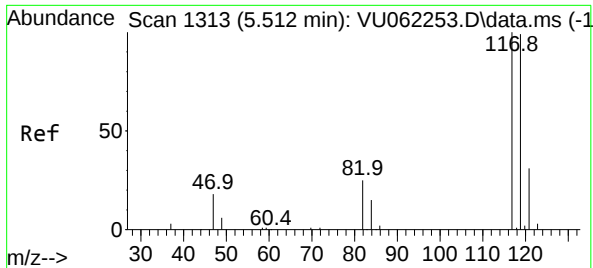
Ion Ratio Lower Upper

56 100

69 33.6 25.1 37.7

84 93.1 70.6 105.8

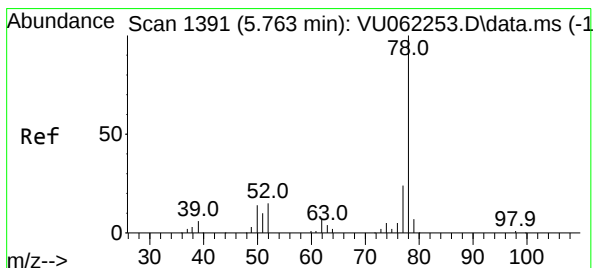
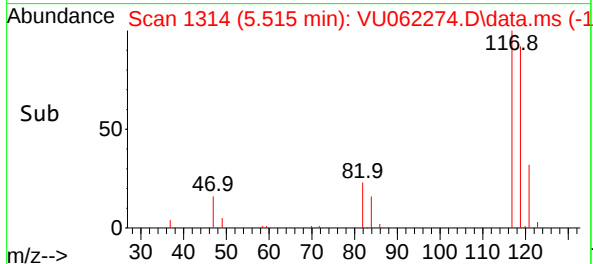
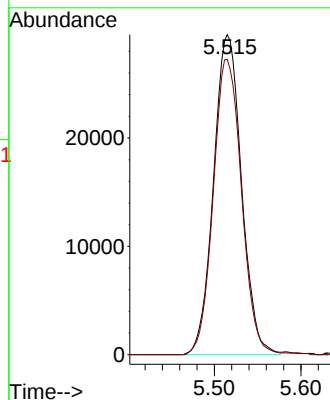
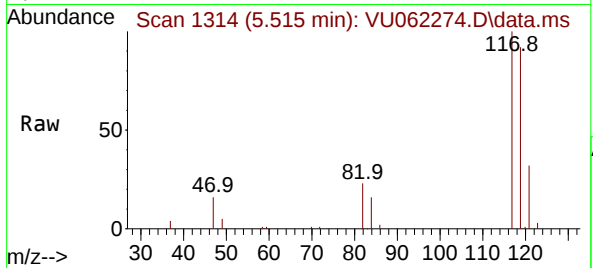




#31
Carbon tetrachloride
Concen: 5.397 ug/L
RT: 5.515 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

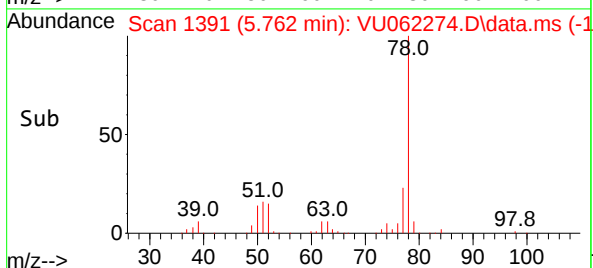
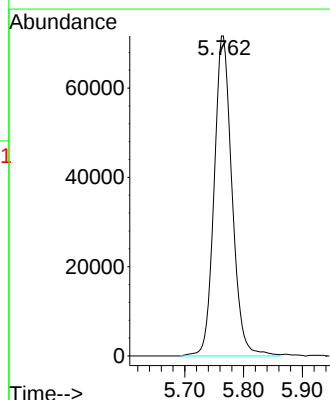
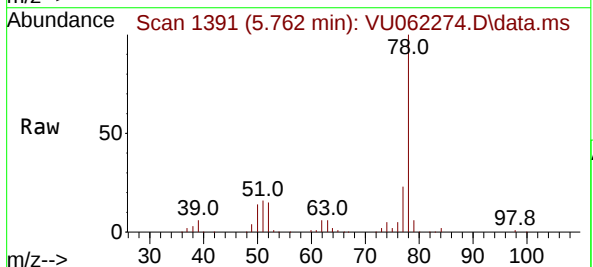
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

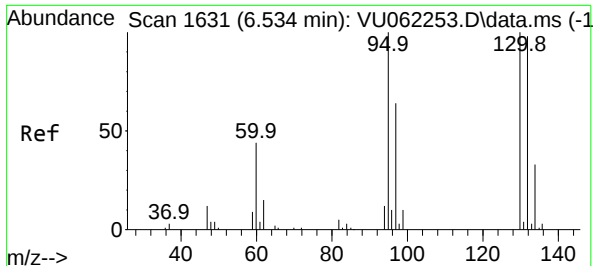
Tgt Ion:117 Resp: 66192
Ion Ratio Lower Upper
117 100
119 93.3 77.5 116.3



#33
Benzene
Concen: 5.135 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion: 78 Resp: 151300

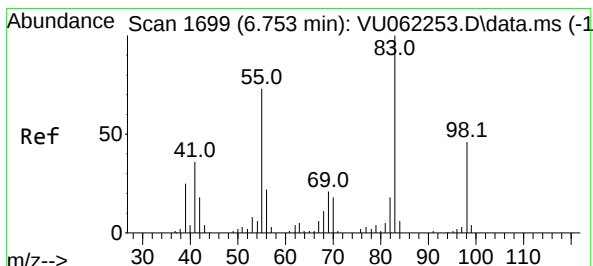
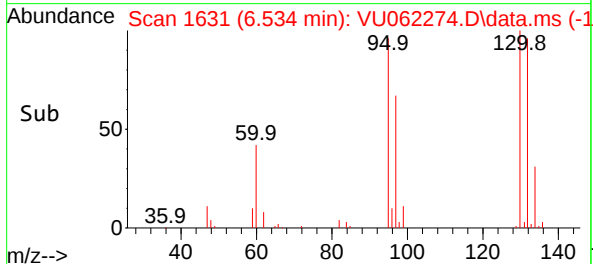
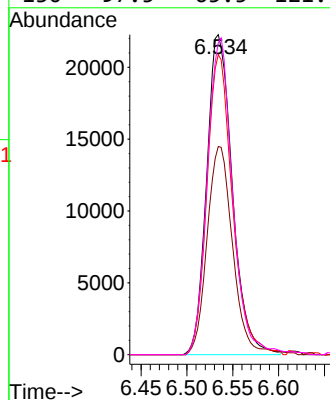
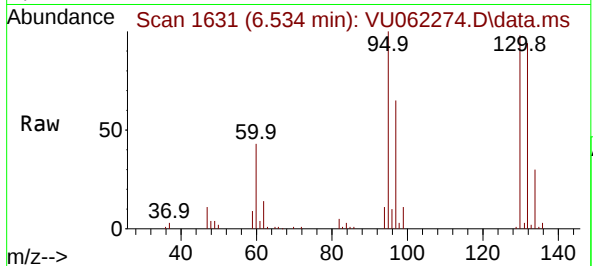




#34
Trichloroethene
Concen: 5.211 ug/L
RT: 6.534 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

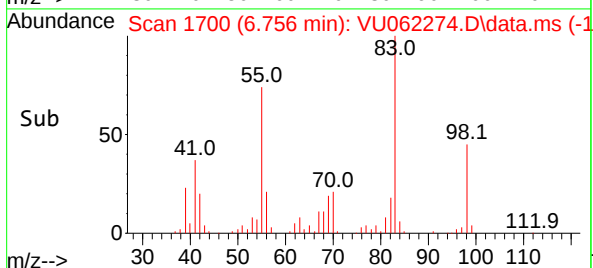
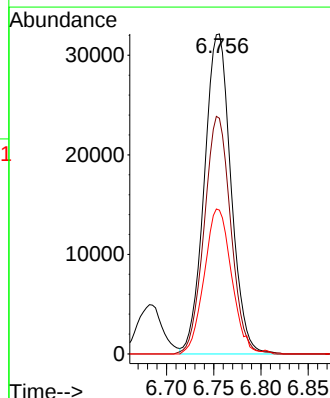
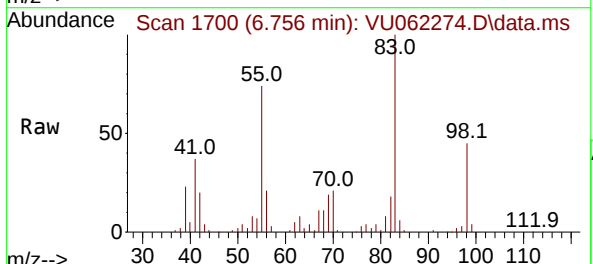
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

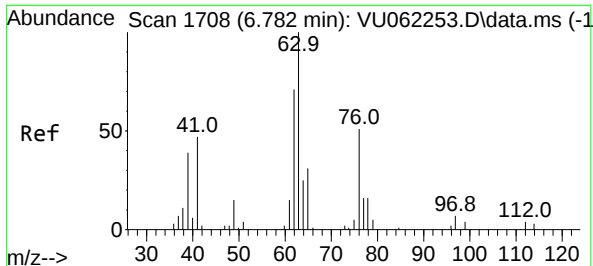
Tgt Ion: 95 Resp: 43499
Ion Ratio Lower Upper
95 100
97 65.0 45.9 85.3
132 93.8 63.8 118.4
130 97.5 65.5 121.7



#35
Methylcyclohexane
Concen: 5.098 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion: 83 Resp: 63089
Ion Ratio Lower Upper
83 100
55 74.0 60.7 91.1
98 46.4 34.8 52.2

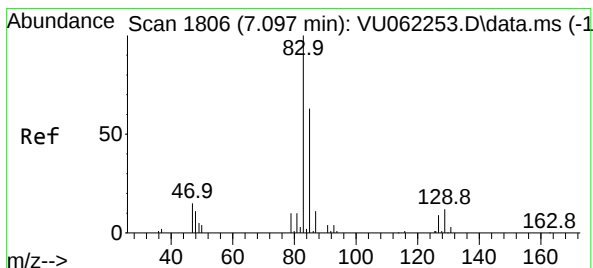
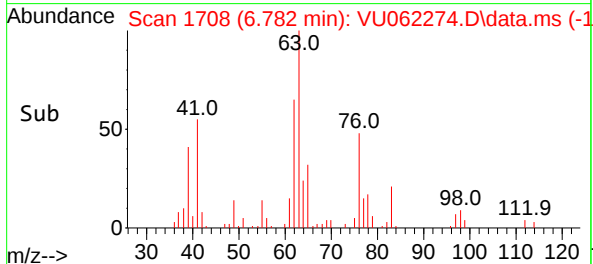
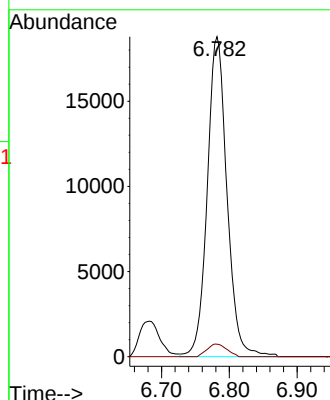
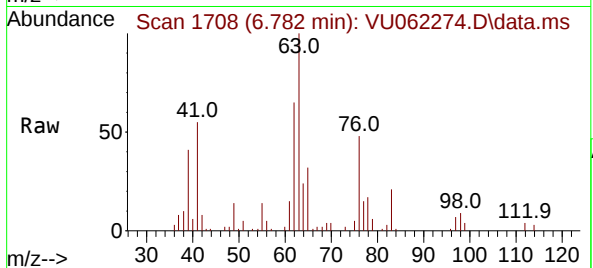




#37
1,2-Dichloropropane
Concen: 5.288 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

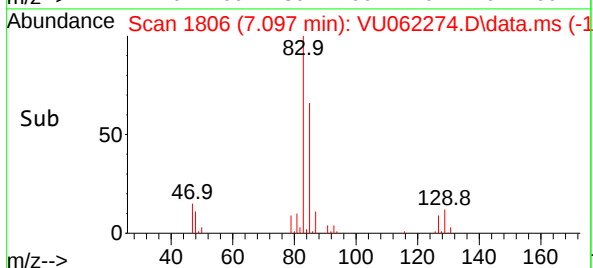
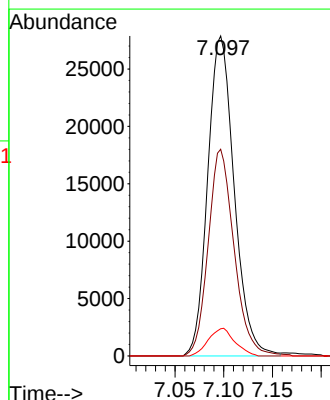
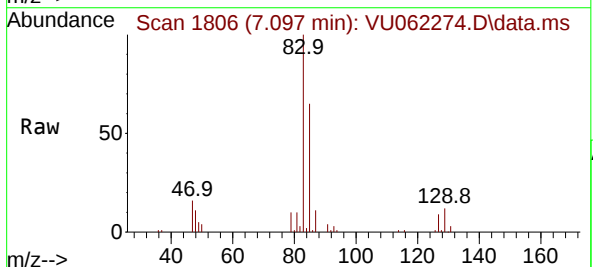
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

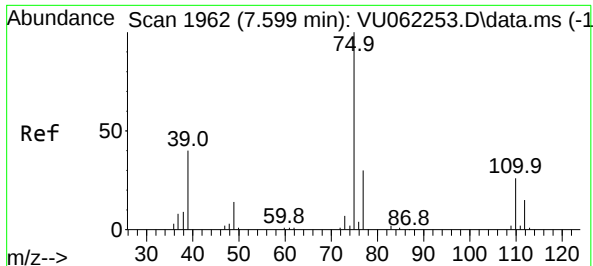
Tgt Ion: 63 Resp: 37948
Ion Ratio Lower Upper
63 100
112 3.9 3.4 5.0



#38
Bromodichloromethane
Concen: 5.207 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion: 83 Resp: 52717
Ion Ratio Lower Upper
83 100
85 64.6 44.1 81.9
127 8.5 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.073 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

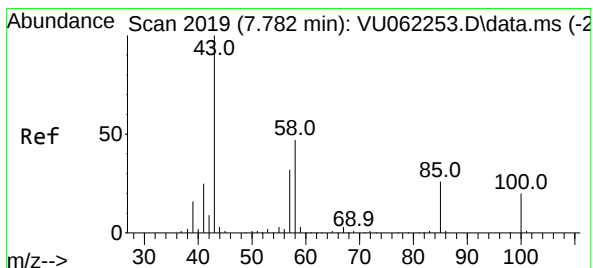
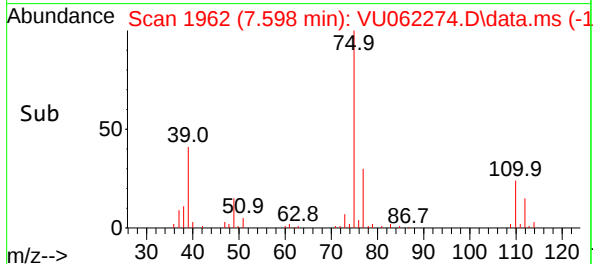
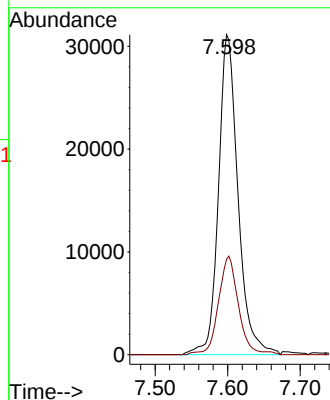
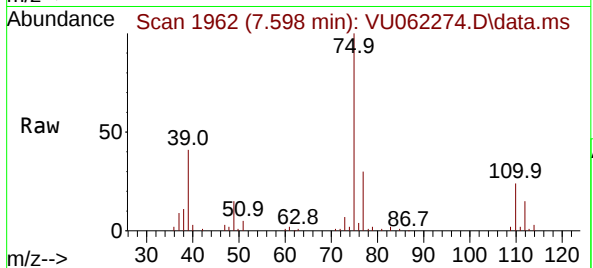
VSTD005183

Tgt Ion: 75 Resp: 58354

Ion Ratio Lower Upper

75 100

77 29.9 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 51.702 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

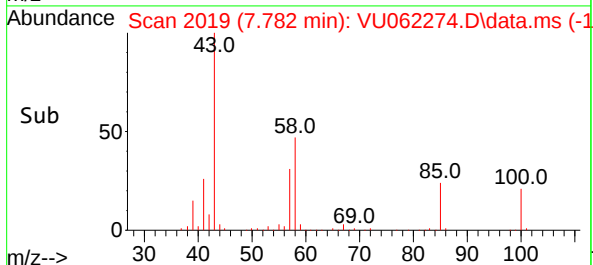
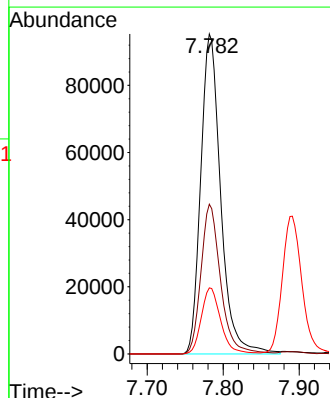
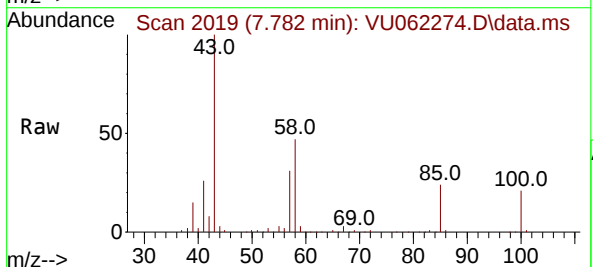
Tgt Ion: 43 Resp: 173880

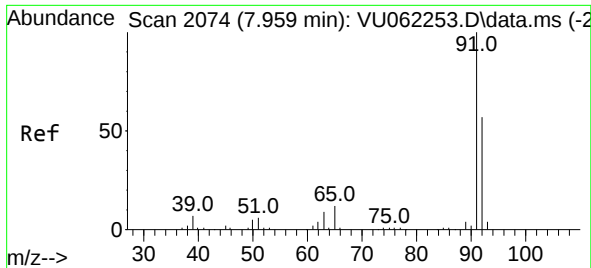
Ion Ratio Lower Upper

43 100

58 46.0 33.3 49.9

100 20.1 12.4 18.6





#42

Toluene

Concen: 5.303 ug/L

RT: 7.962 min Scan# 2074

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

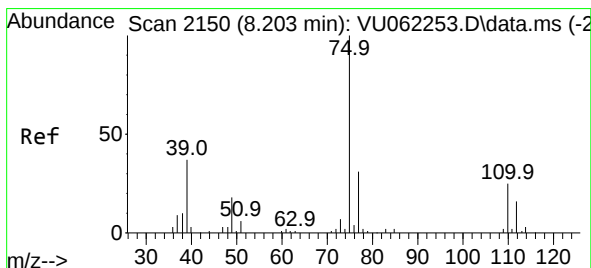
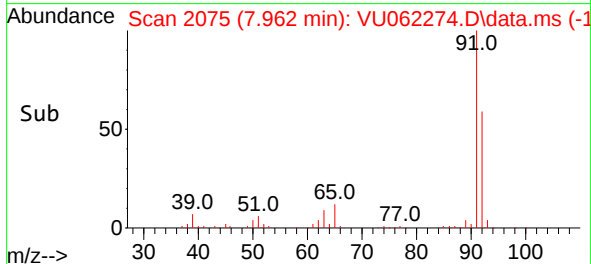
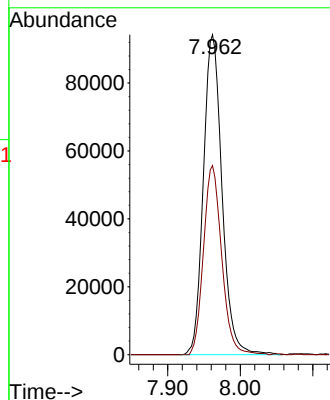
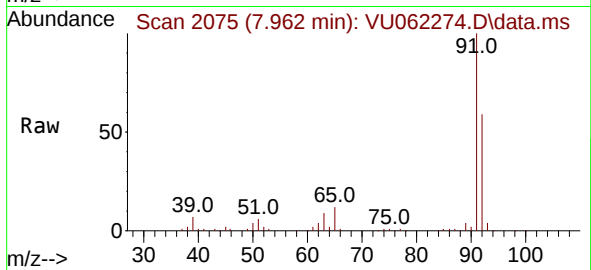
VSTD005183

Tgt Ion: 91 Resp: 168488

Ion Ratio Lower Upper

91 100

92 59.1 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.251 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU062274.D

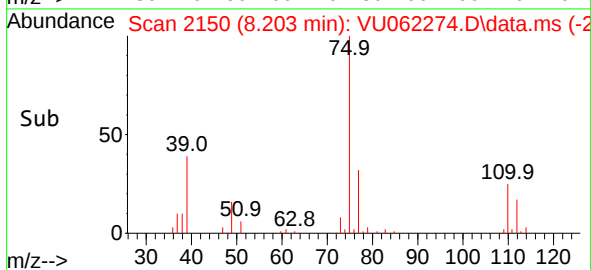
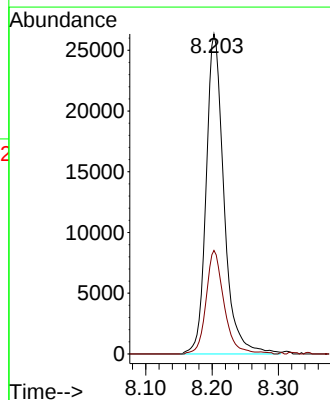
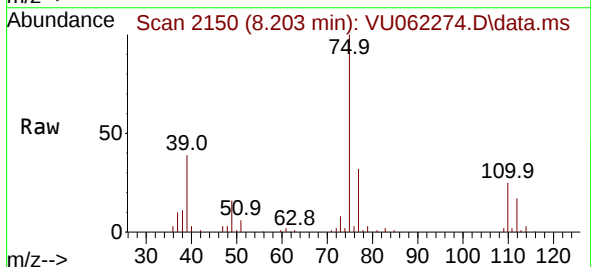
Acq: 12 Dec 2024 09:02

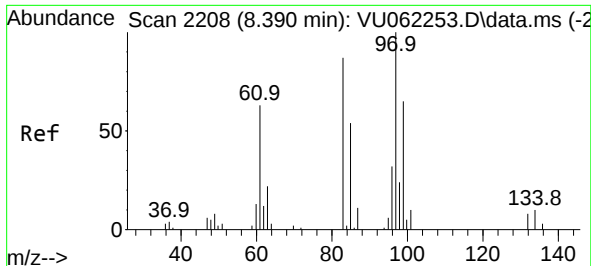
Tgt Ion: 75 Resp: 49315

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.336 ug/L

RT: 8.389 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

Tgt Ion: 97 Resp: 28907

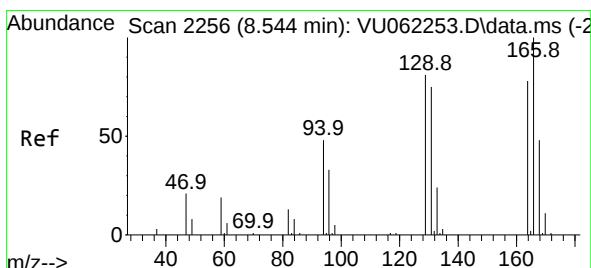
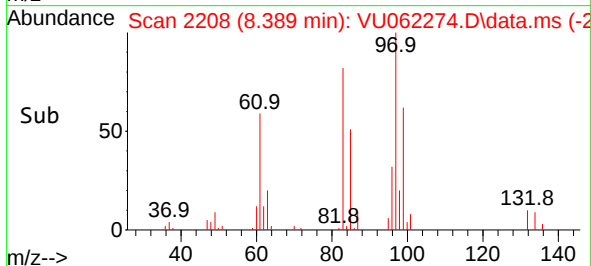
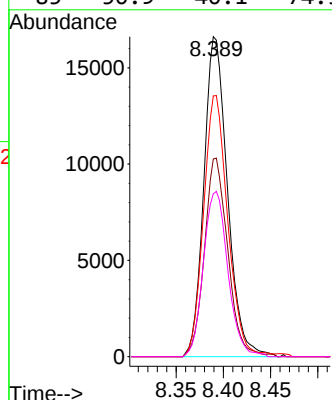
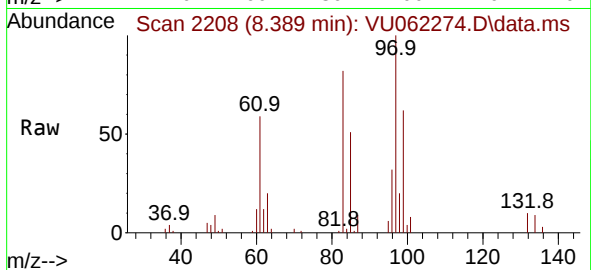
Ion Ratio Lower Upper

97 100

99 61.8 43.0 79.8

83 81.5 61.7 114.5

85 50.9 40.1 74.5



#47

Tetrachloroethene

Concen: 5.512 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Tgt Ion:164 Resp: 35523

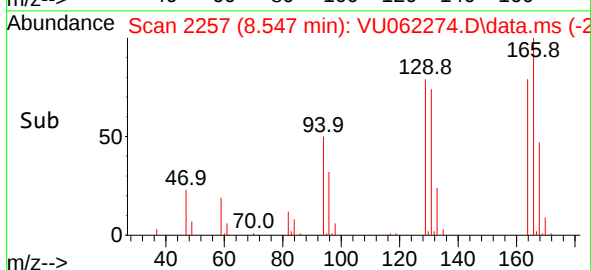
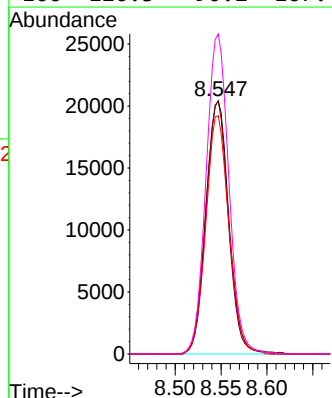
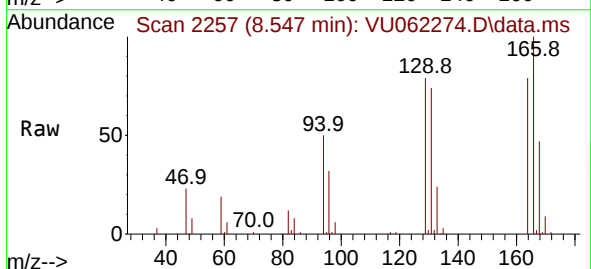
Ion Ratio Lower Upper

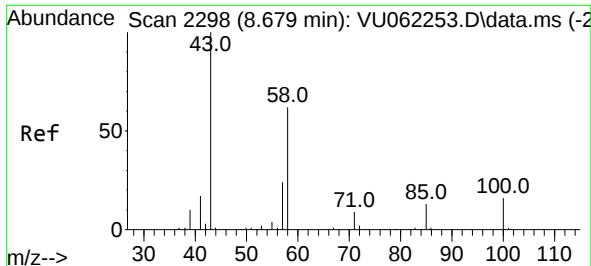
164 100

129 99.6 73.2 136.0

131 94.0 72.3 134.3

166 126.3 90.2 167.4

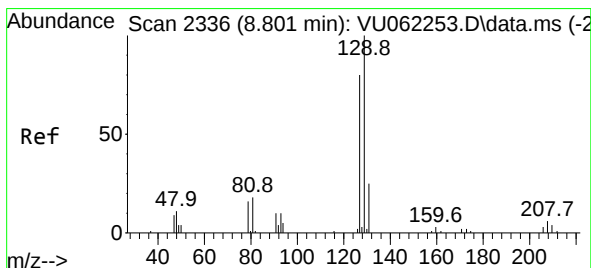
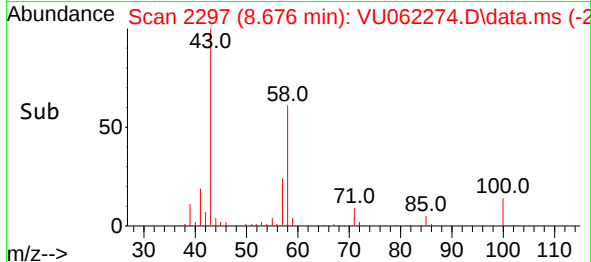
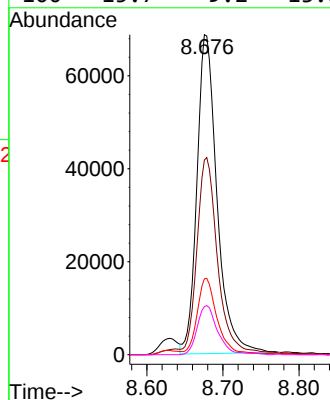
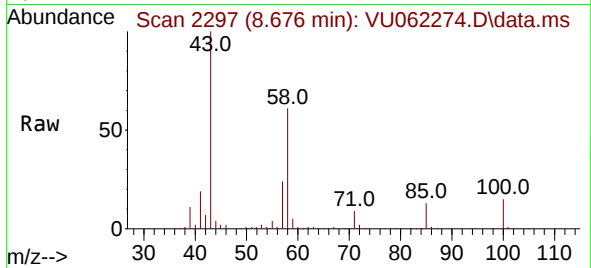




#48
2-Hexanone
Concen: 50.941 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

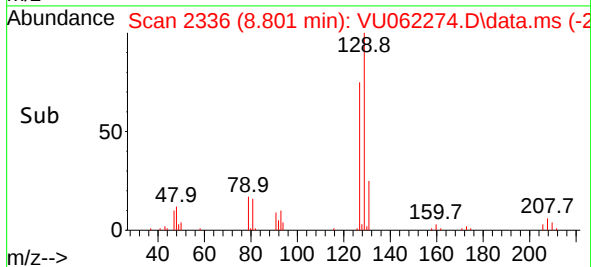
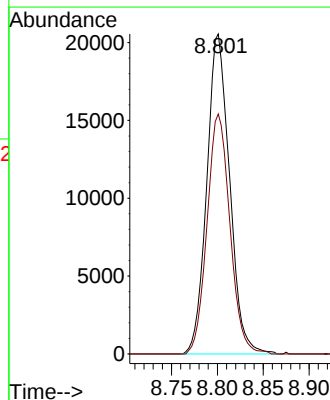
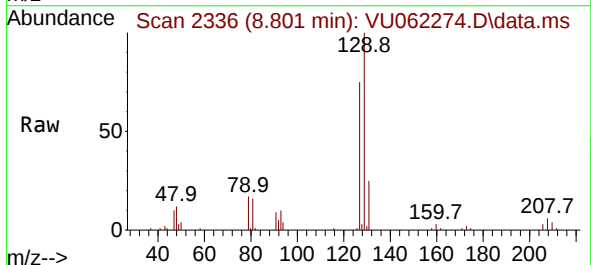
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

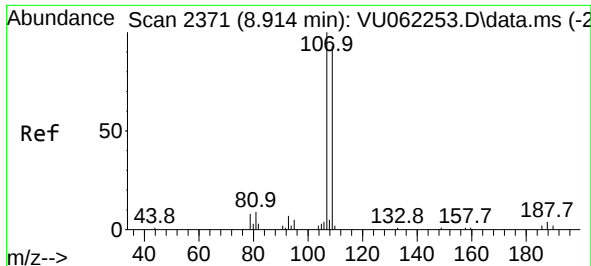
Tgt	Ion: 43	Resp:	126611
Ion	Ratio	Lower	Upper
43	100		
58	63.1	47.5	71.3
57	23.3	15.6	23.4
100	15.7	9.2	13.8#



#49
Dibromochloromethane
Concen: 5.435 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion:129	Resp: 35571		
Ion Ratio	Lower	Upper	
129 100			
127 75.0	51.1	94.9	

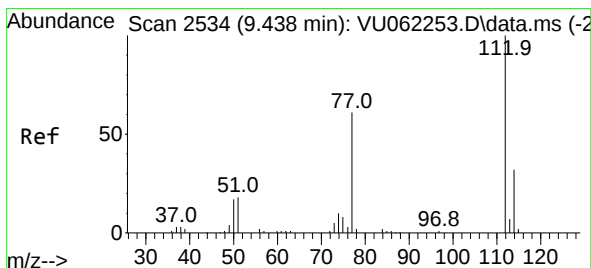
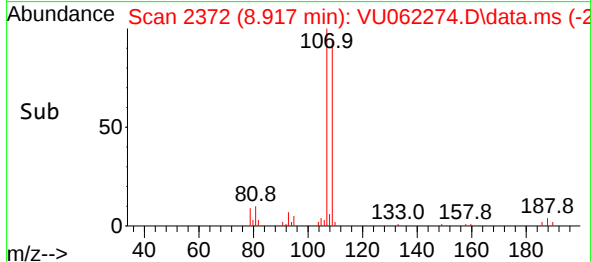
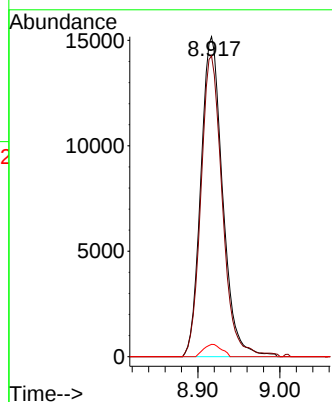
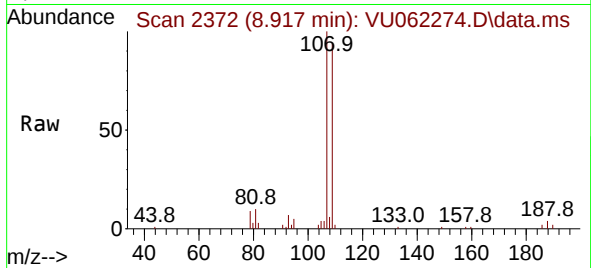




#50
1,2-Dibromoethane
Concen: 5.378 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

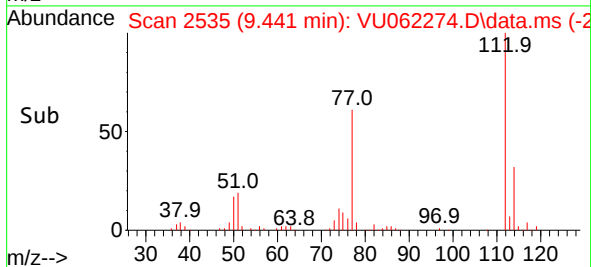
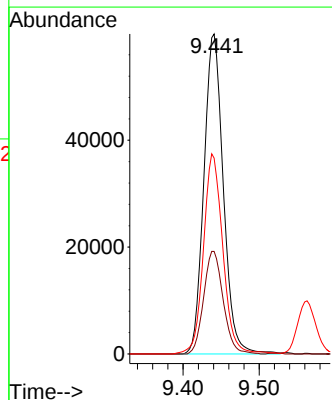
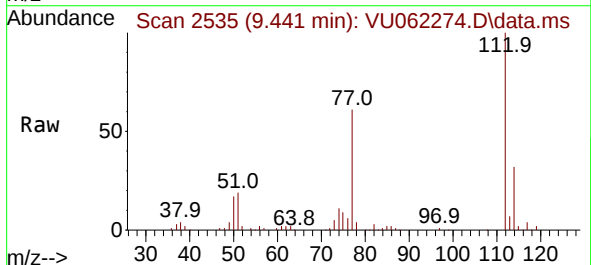
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

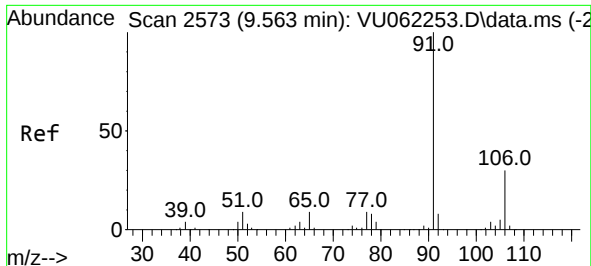
Tgt Ion:107 Resp: 27995
Ion Ratio Lower Upper
107 100
109 94.0 66.8 124.2
188 3.9 2.3 3.5#



#51
Chlorobenzene
Concen: 5.220 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion:112 Resp: 106269
Ion Ratio Lower Upper
112 100
114 32.0 23.0 42.6
77 61.2 50.5 75.7

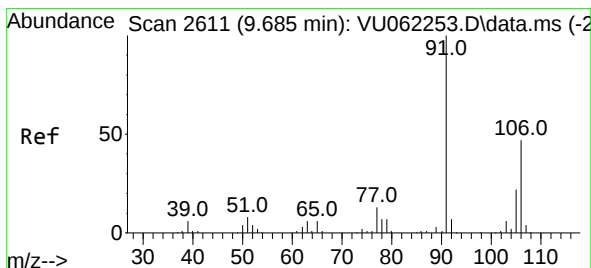
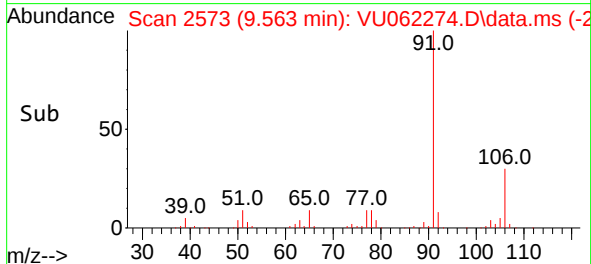
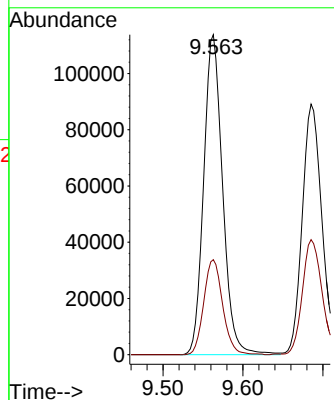
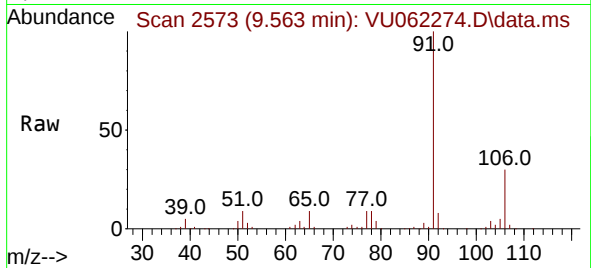




#52
Ethylbenzene
Concen: 5.269 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

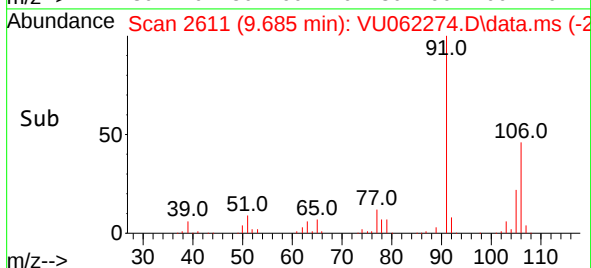
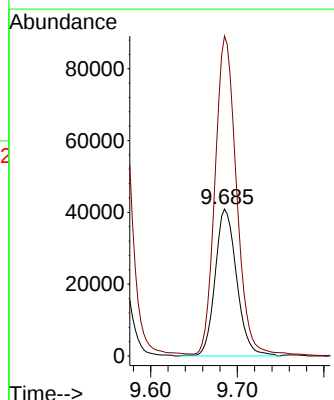
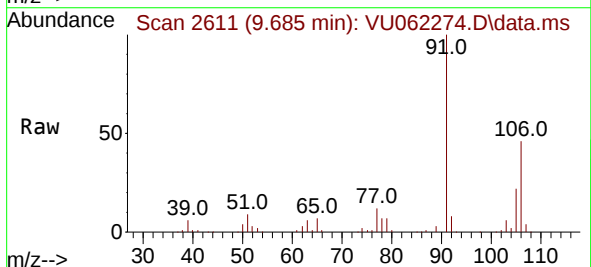
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

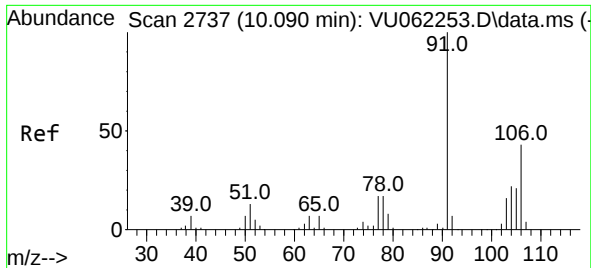
Tgt Ion: 91 Resp: 187717
Ion Ratio Lower Upper
91 100
106 29.7 21.6 40.0



#53
m,p-Xylene
Concen: 5.379 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion: 106 Resp: 70753
Ion Ratio Lower Upper
106 100
91 217.9 147.6 274.0

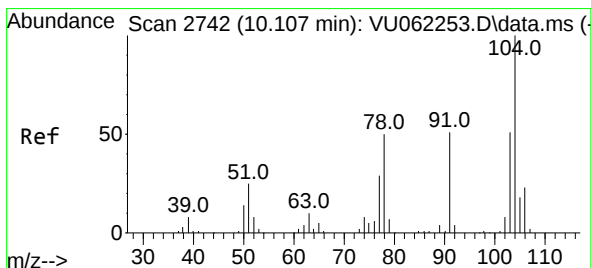
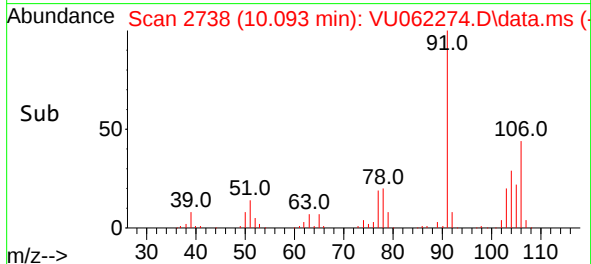
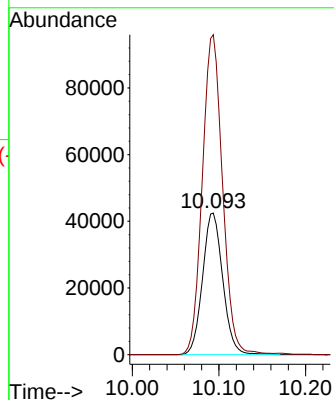
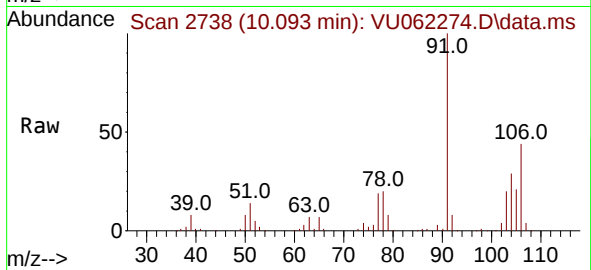




#54
o-Xylene
Concen: 5.374 ug/L
RT: 10.093 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

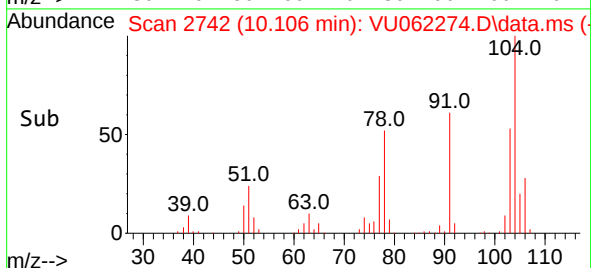
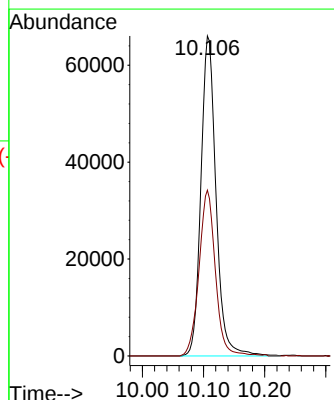
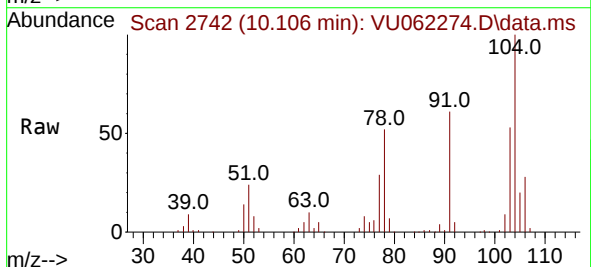
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

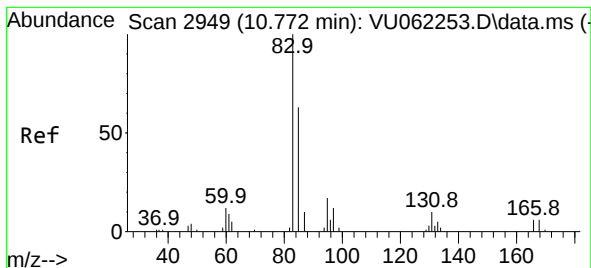
Tgt Ion:106 Resp: 68745
Ion Ratio Lower Upper
106 100
91 225.9 159.8 296.8



#55
Styrene
Concen: 5.378 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion:104 Resp: 113394
Ion Ratio Lower Upper
104 100
78 51.8 33.2 61.7

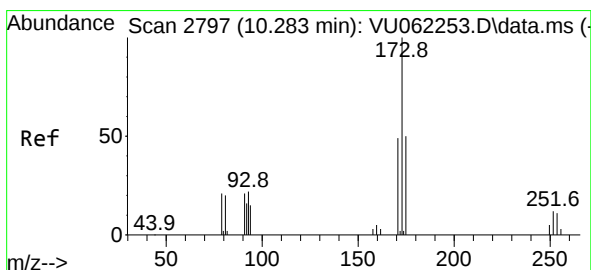
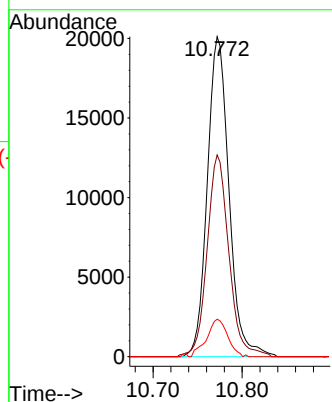
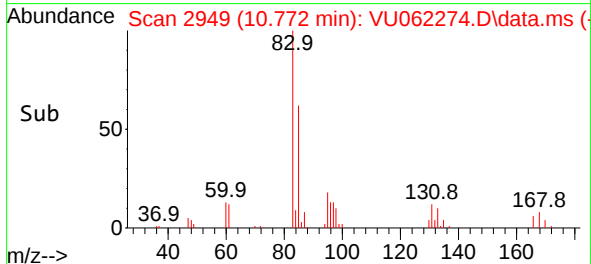
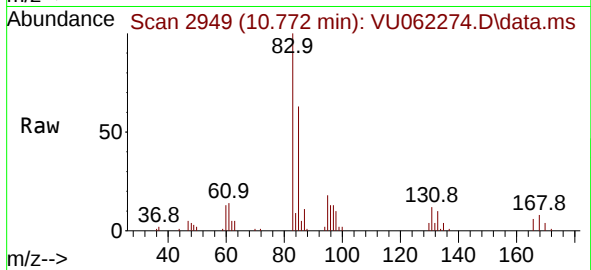




#57
1,1,2,2-Tetrachloroethane
Concen: 5.379 ug/L
RT: 10.772 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

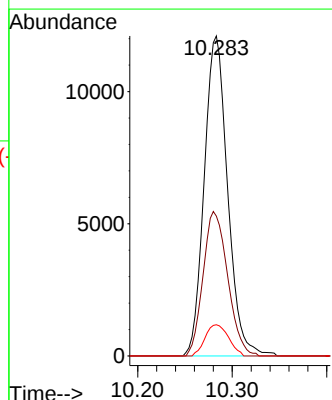
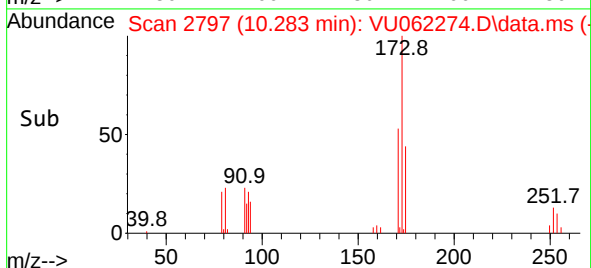
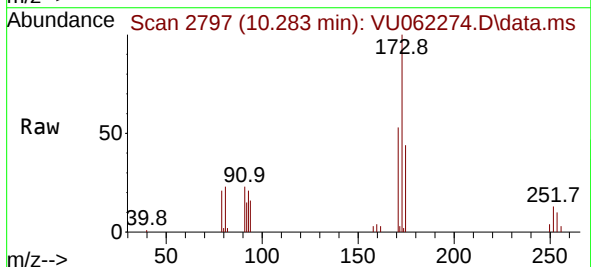
Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

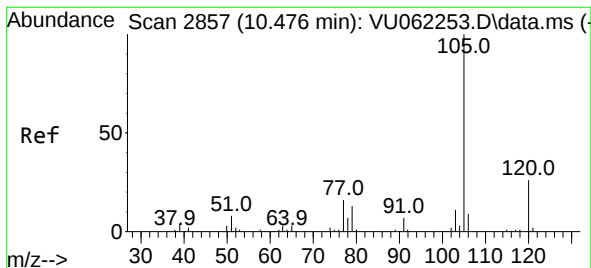
Tgt Ion: 83 Resp: 33913
Ion Ratio Lower Upper
83 100
85 63.1 44.4 82.4
131 11.7 7.3 10.9#



#59
Bromoform
Concen: 5.265 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion:173 Resp: 20808
Ion Ratio Lower Upper
173 100
175 47.4 39.0 58.4
254 9.8 7.4 11.0





#60

Isopropylbenzene

Concen: 5.247 ug/L

RT: 10.476 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

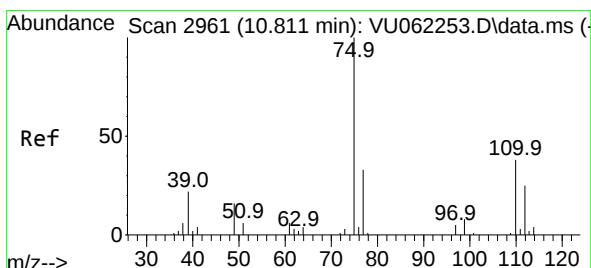
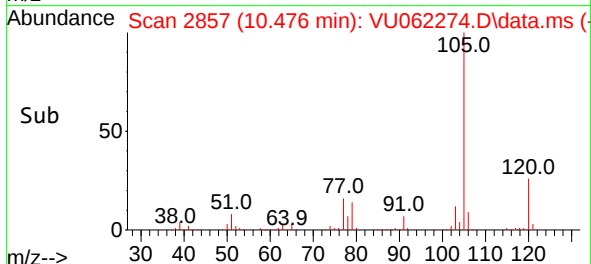
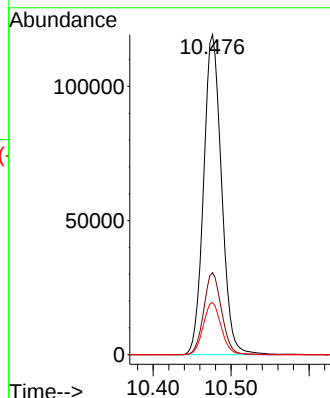
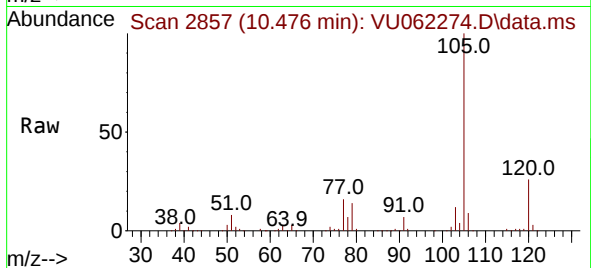
Tgt Ion:105 Resp: 190618

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

77 16.3 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 5.070 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

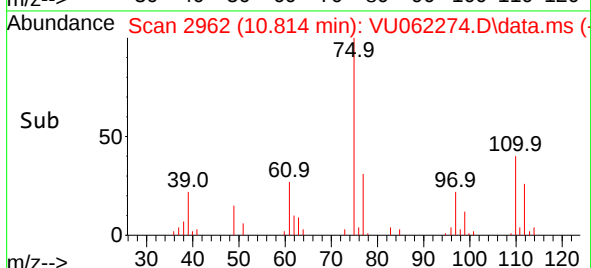
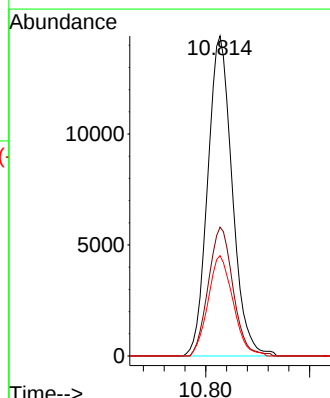
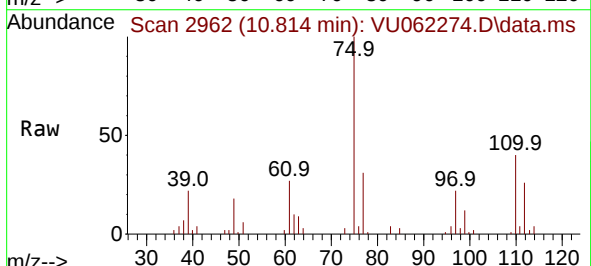
Tgt Ion: 75 Resp: 23574

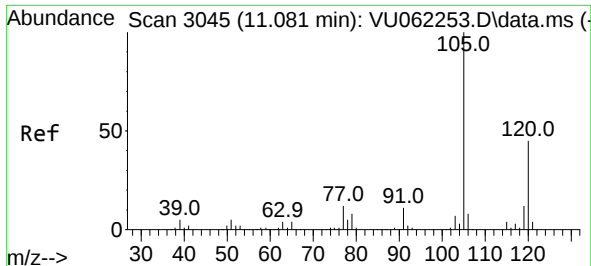
Ion Ratio Lower Upper

75 100

110 40.7 28.9 43.3

77 31.9 26.5 39.7





#62

1,3,5-Trimethylbenzene

Concen: 5.302 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

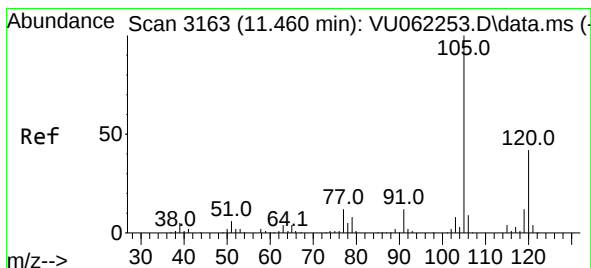
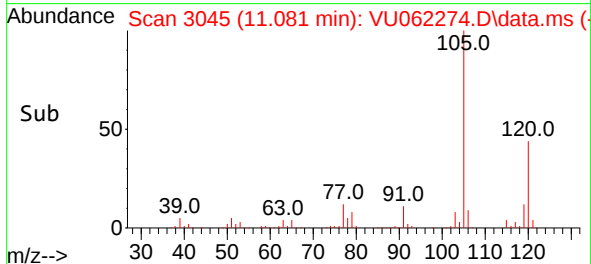
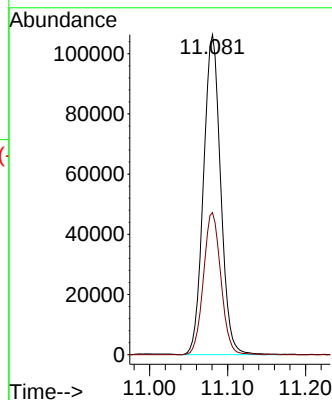
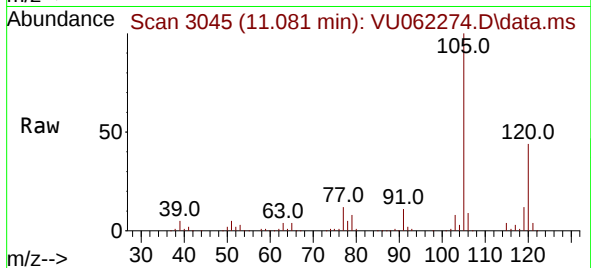
VSTD005183

Tgt Ion:105 Resp: 163003

Ion Ratio Lower Upper

105 100

120 44.9 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 5.249 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU062274.D

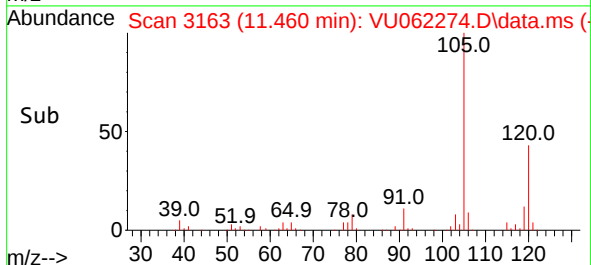
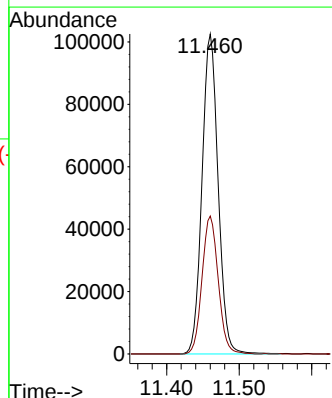
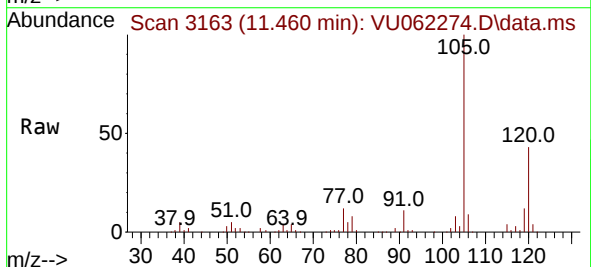
Acq: 12 Dec 2024 09:02

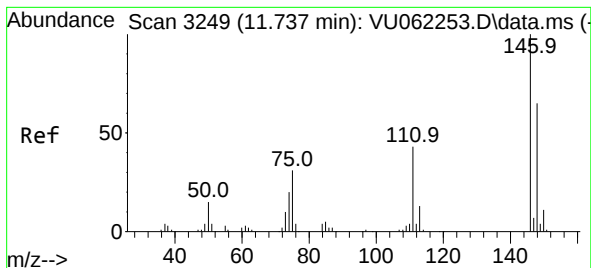
Tgt Ion:105 Resp: 158104

Ion Ratio Lower Upper

105 100

120 43.2 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 5.251 ug/L

RT: 11.740 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

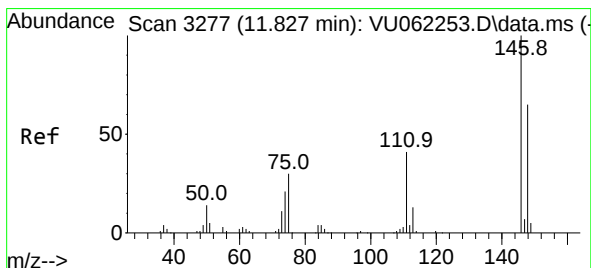
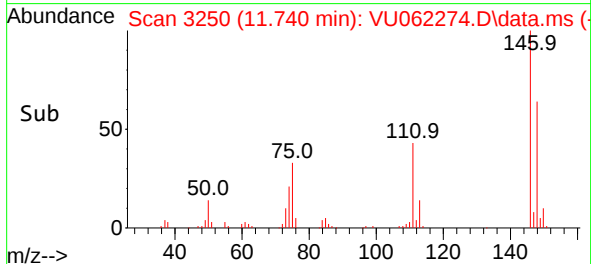
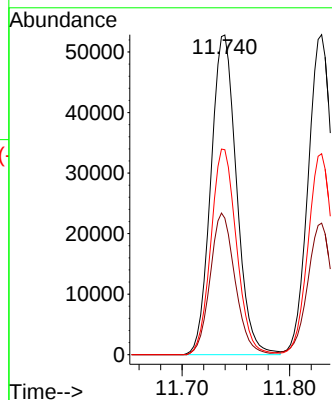
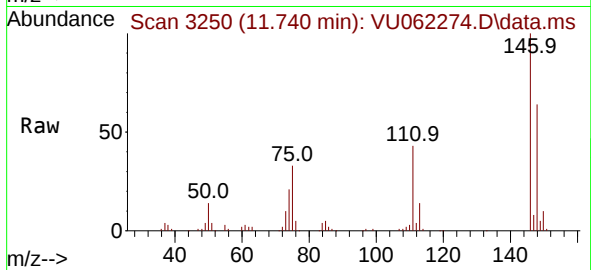
Tgt Ion:146 Resp: 87631

Ion Ratio Lower Upper

146 100

111 42.7 30.7 57.1

148 64.1 45.1 83.7



#65

1,4-Dichlorobenzene

Concen: 5.166 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

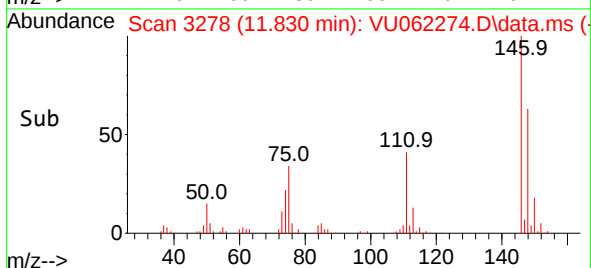
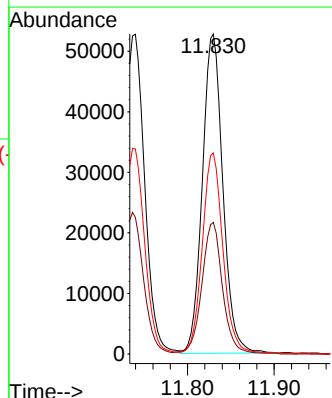
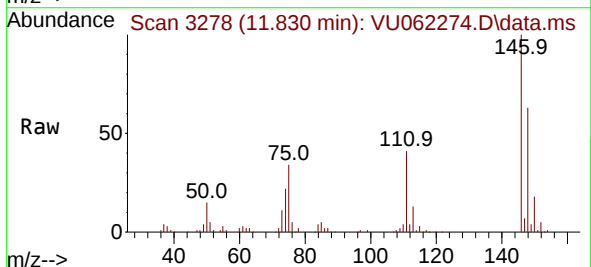
Tgt Ion:146 Resp: 86802

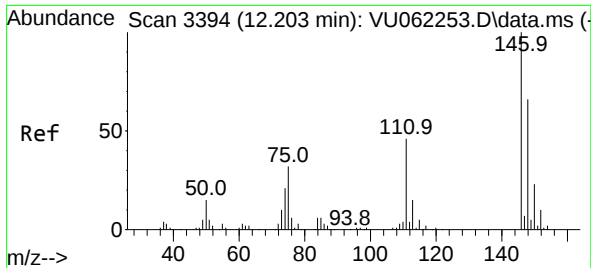
Ion Ratio Lower Upper

146 100

111 41.1 29.3 54.3

148 62.8 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 5.260 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD005183

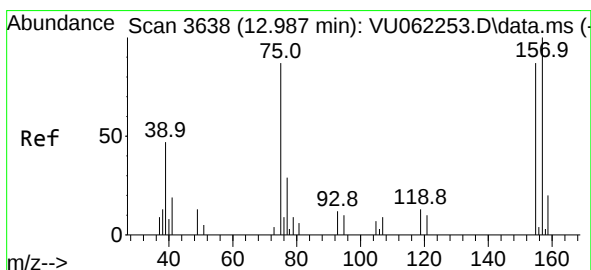
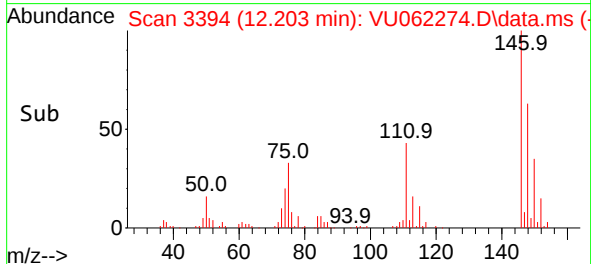
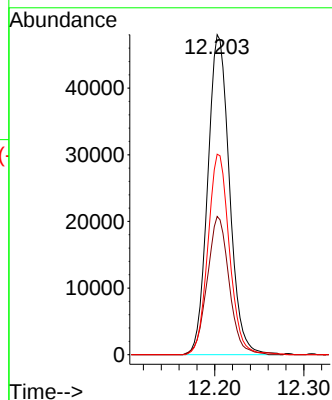
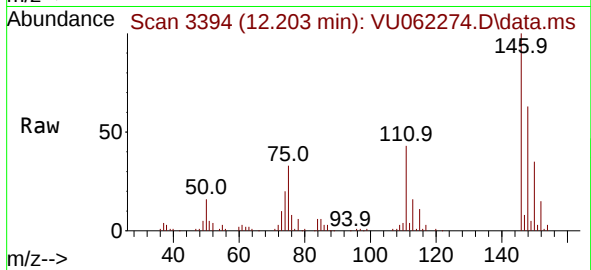
Tgt Ion:146 Resp: 81111

Ion Ratio Lower Upper

146 100

111 43.2 36.0 54.0

148 62.6 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 5.753 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU062274.D

Acq: 12 Dec 2024 09:02

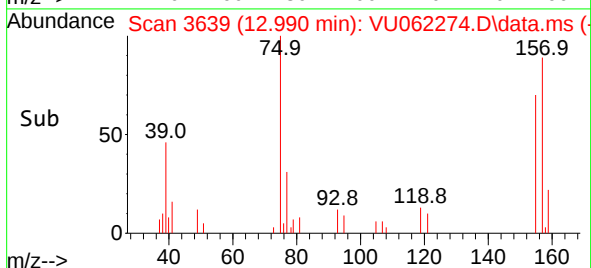
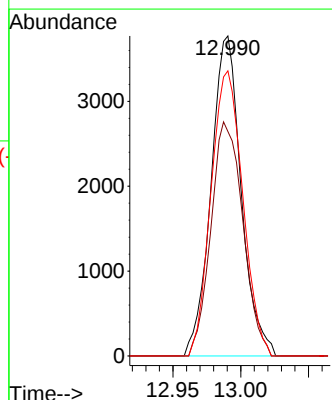
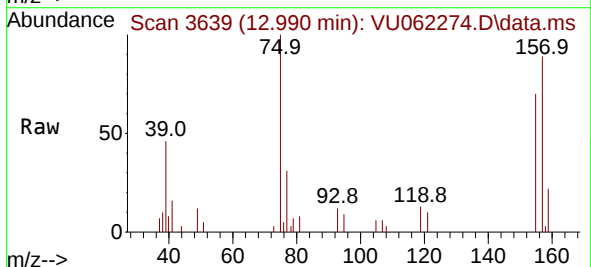
Tgt Ion: 75 Resp: 5835

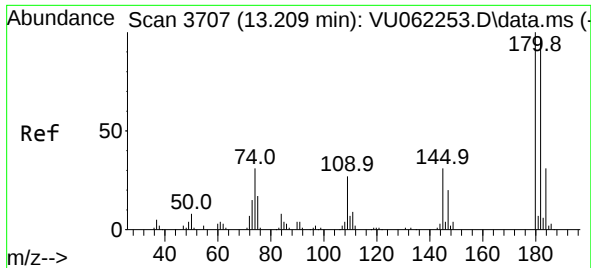
Ion Ratio Lower Upper

75 100

155 70.1 55.2 82.8

157 89.1 73.5 110.3

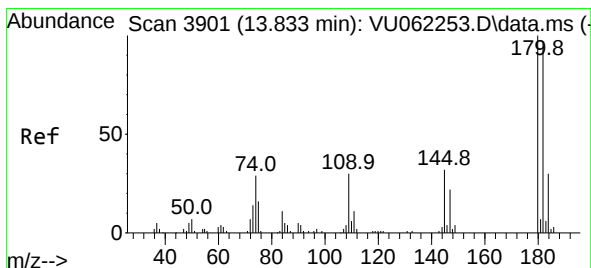
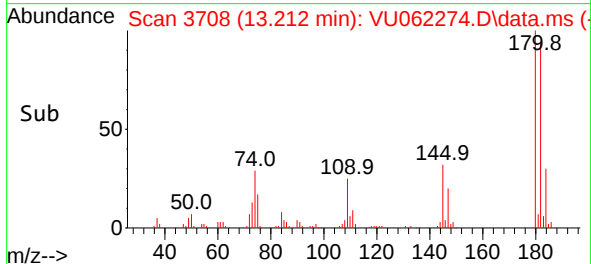
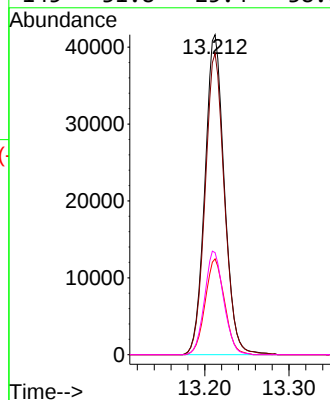
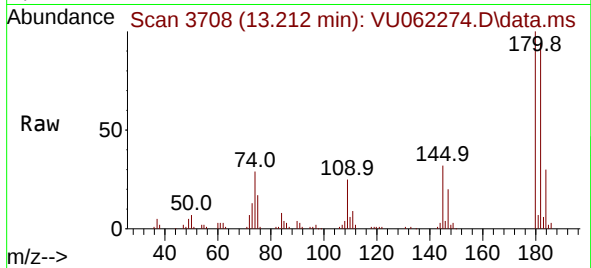




#69
 1,3,5-Trichlorobenzene
 Concen: 5.380 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU062274.D
 Acq: 12 Dec 2024 09:02

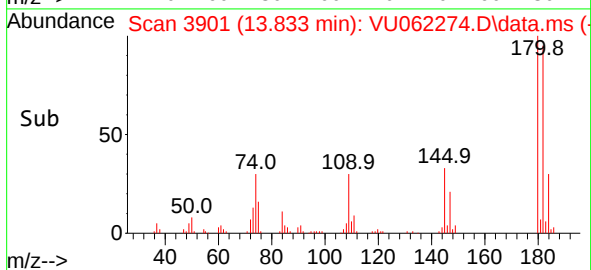
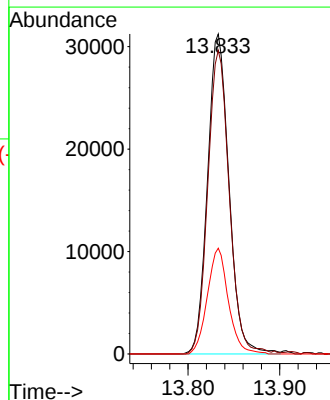
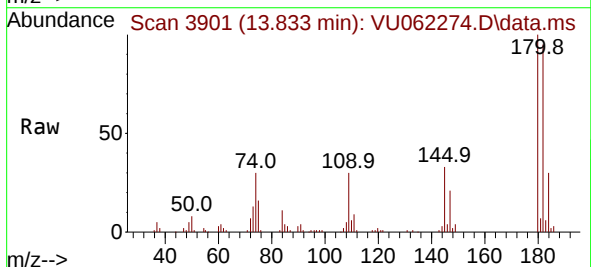
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

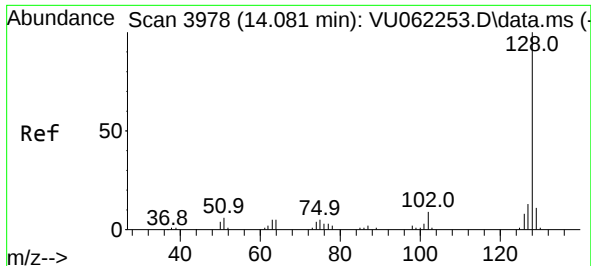
Tgt Ion:180	Resp:	66735
Ion Ratio	Lower	Upper
180	100	
182	94.0	76.7 115.1
184	30.0	24.8 37.2
145	31.8	25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.186 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.000 min
 Lab File: VU062274.D
 Acq: 12 Dec 2024 09:02

Tgt Ion:180	Resp:	50790
Ion Ratio	Lower	Upper
180	100	
182	94.7	74.5 111.7
145	32.4	25.6 38.4

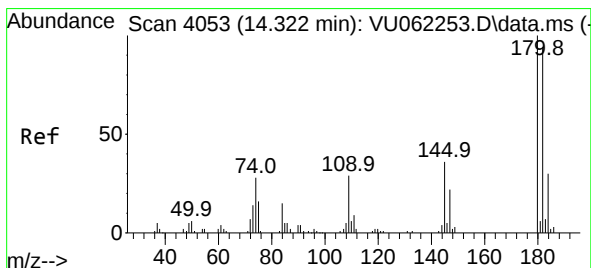
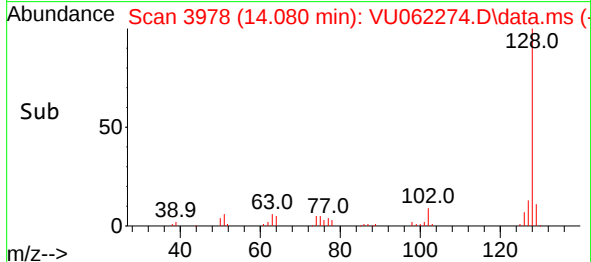
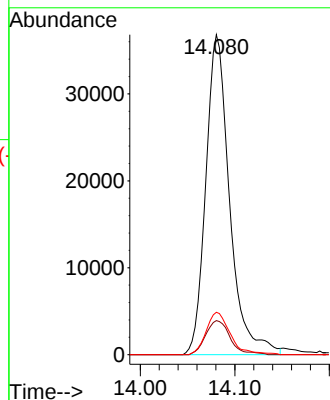
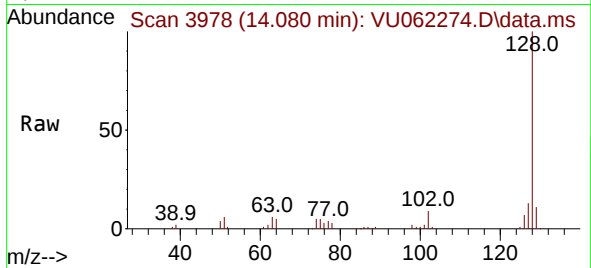




#71
Naphthalene
Concen: 4.385 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD005183

Tgt Ion:	128	Resp:	64494
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	13.5	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.768 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU062274.D
Acq: 12 Dec 2024 09:02

Tgt Ion:	180	Resp:	41183
Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.1	114.1
145	34.9	27.4	41.0

