

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102622\
 Data File : VU051496.D
 Acq On : 26 Oct 2022 11:27
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005181

Quant Time: Oct 27 05:24:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 14 01:20:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	270669	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	269948	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	136759	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	109398	5.011	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.200%
7) Chloroethane-d5	1.913	69	86385	4.605	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.562	65	40651	4.710	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.200%
20) 2-Butanone-d5	4.639	46	190592	39.649	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.300%
24) Chloroform-d	5.064	84	174209	4.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	5.700	65	83379	3.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
32) Benzene-d6	5.726	84	355546	4.788	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.690	67	108476	4.301	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.000%
41) Toluene-d8	7.896	98	327638	4.931	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
43) trans-1,3-Dichloroprop...	8.179	79	37682	4.548	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.636	63	145135	51.971	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.940%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	86728	4.305	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	12.192	152	101802	4.283	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	145484	6.589	ug/L	99
3) Chloromethane	1.530	50	170607	5.503	ug/L	97
5) Vinyl chloride	1.601	62	166498	5.475	ug/L	98
6) Bromomethane	1.858	94	100952	6.096	ug/L	99
8) Chloroethane	1.932	64	99579	5.135	ug/L	99
9) Trichlorofluoromethane	2.134	101	179689	5.127	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	109504	5.205	ug/L	98
12) 1,1-Dichloroethene	2.575	96	105149	5.327	ug/L	100
13) Acetone	2.649	43	171360	47.529	ug/L	98
14) Carbon disulfide	2.790	76	362236	5.992	ug/L	99
15) Methyl Acetate	2.961	43	39660	4.525	ug/L	97
16) Methylene chloride	3.044	84	137176	4.707	ug/L	97
17) Methyl tert-butyl Ether	3.366	73	222596	4.923	ug/L	97
18) trans-1,2-Dichloroethene	3.350	96	111486	5.369	ug/L	98
19) 1,1-Dichloroethane	3.867	63	207472	4.842	ug/L	98
21) 2-Butanone	4.716	43	262229	46.151	ug/L	95
22) cis-1,2-Dichloroethene	4.665	96	118063	5.133	ug/L	95
23) Bromochloromethane	4.973	128	56428	5.142	ug/L	95
25) Chloroform	5.086	83	209009	4.670	ug/L	99

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

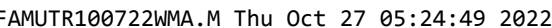
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005181

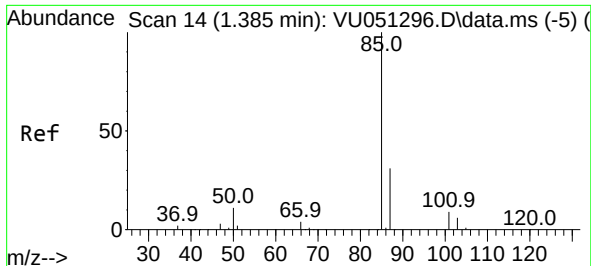
Quant Time: Oct 27 05:24:39 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 14 01:20:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	126297	4.711	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	165881	5.129	ug/L	97
30) Cyclohexane	5.388	56	161205	5.876	ug/L	100
31) Carbon tetrachloride	5.523	117	145167	5.304	ug/L	98
33) Benzene	5.774	78	480620	5.333	ug/L	100
34) Trichloroethene	6.539	95	114614	5.098	ug/L	98
35) Methylcyclohexane	6.761	83	173003	6.099	ug/L	97
37) 1,2-Dichloropropane	6.790	63	121491	4.918	ug/L	100
38) Bromodichloromethane	7.105	83	146840	4.983	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	156647	5.276	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	626717	48.361	ug/L	98
42) Toluene	7.967	91	508434	5.315	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	135068	5.261	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	86149	4.967	ug/L	97
47) Tetrachloroethene	8.552	164	87769	5.310	ug/L	98
48) 2-Hexanone	8.687	43	471423	48.856	ug/L	99
49) Dibromochloromethane	8.809	129	100439	5.158	ug/L	99
50) 1,2-Dibromoethane	8.922	107	78483	5.084	ug/L	98
51) Chlorobenzene	9.446	112	301408	5.273	ug/L	99
52) Ethylbenzene	9.568	91	476763	5.546	ug/L	97
53) m,p-Xylene	9.694	106	190363	5.710	ug/L	99
54) o-Xylene	10.099	106	184484	5.848	ug/L	92
55) Styrene	10.115	104	317528	5.847	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	108118	5.036	ug/L	99
59) Bromoform	10.288	173	53815	4.730	ug/L	99
60) Isopropylbenzene	10.485	105	471666	5.445	ug/L	99
61) 1,2,3-Trichloropropane	10.822	75	75038	4.345	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	120129	5.228	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	344673	5.304	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	227888	5.319	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	221394	5.242	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	212946	5.112	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	16552	5.011	ug/L	98
69) 1,3,5-Trichlorobenzene	13.218	180	157855	5.345	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	114092	5.435	ug/L	97
71) Naphthalene	14.086	128	195861	5.020	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	112563	5.184	ug/L	99

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

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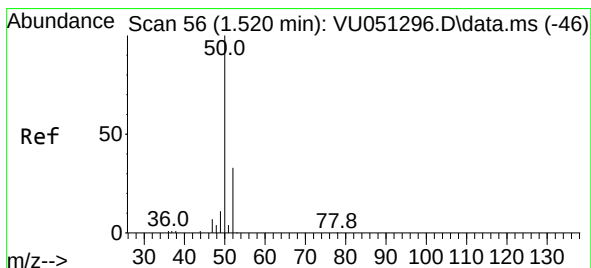
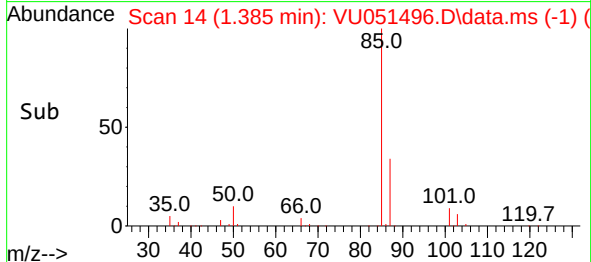
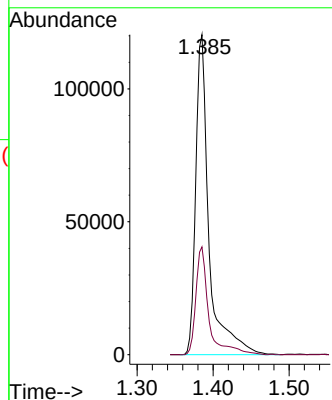
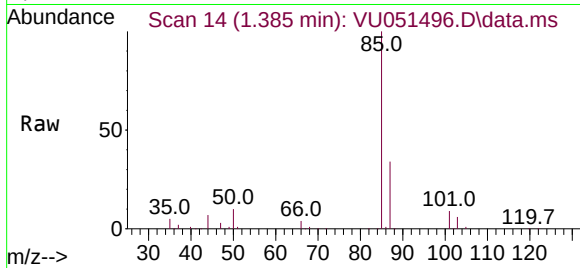




#2
Dichlorodifluoromethane
Concen: 6.589 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

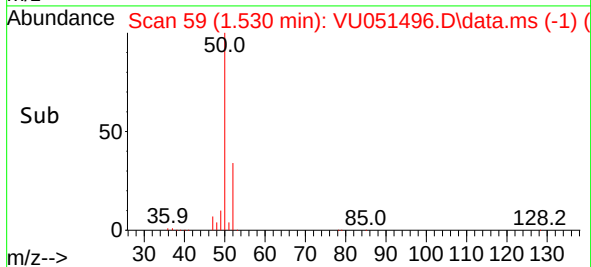
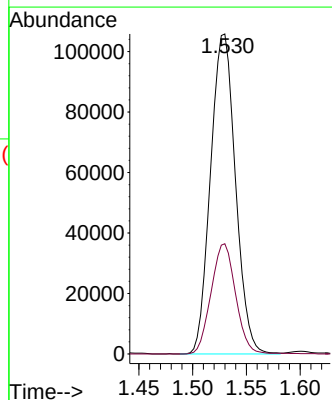
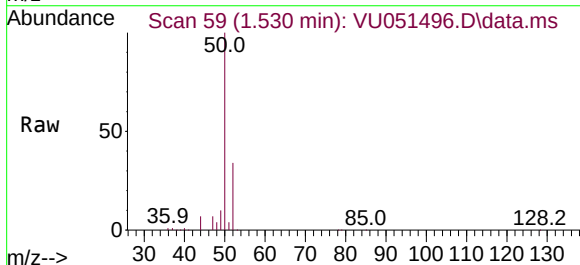
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

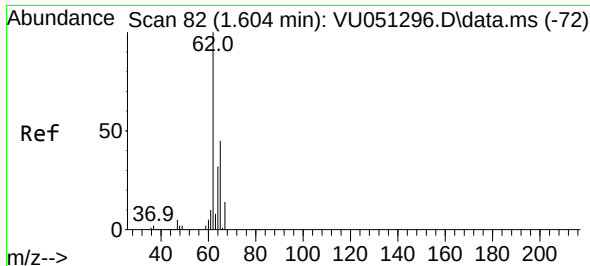
Tgt Ion: 85 Resp: 145484
Ion Ratio Lower Upper
85 100
87 33.1 26.2 39.4



#3
Chloromethane
Concen: 5.503 ug/L
RT: 1.530 min Scan# 59
Delta R.T. 0.010 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion: 50 Resp: 170607
Ion Ratio Lower Upper
50 100
52 34.4 22.9 42.5

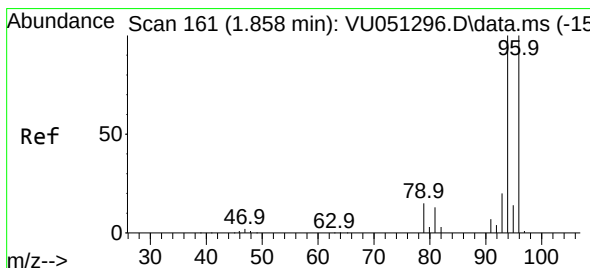
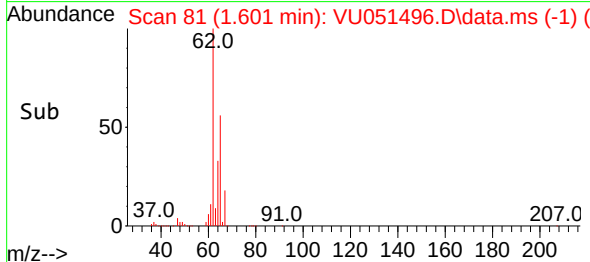
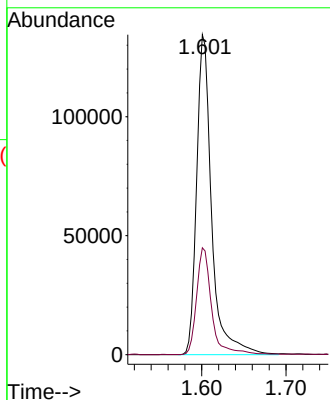
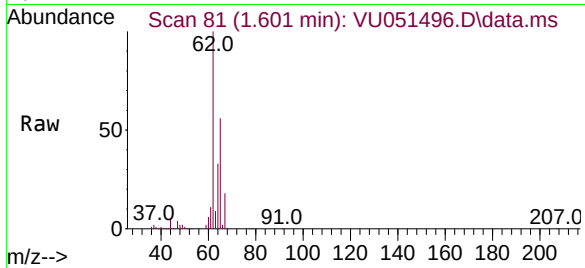




#5
 Vinyl chloride
 Concen: 5.475 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051496.D
 Acq: 26 Oct 2022 11:27

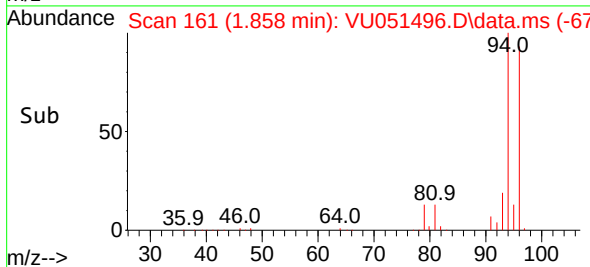
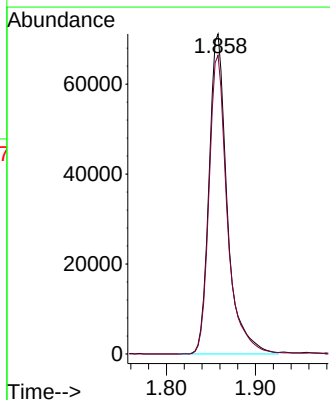
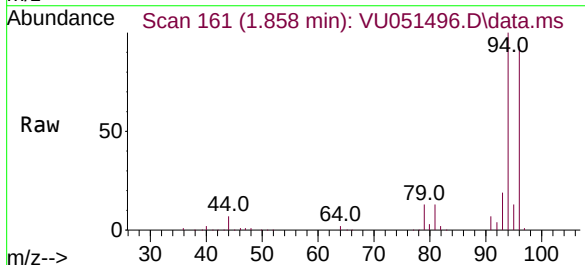
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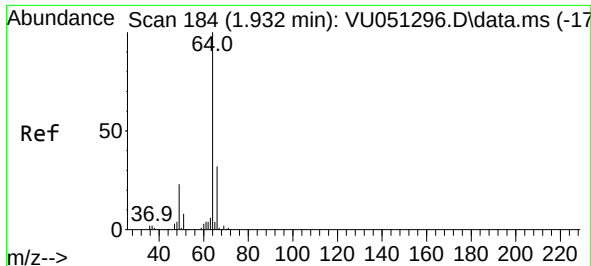
Tgt Ion: 62 Resp: 166498
 Ion Ratio Lower Upper
 62 100
 64 33.4 24.0 44.6



#6
 Bromomethane
 Concen: 6.096 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VU051496.D
 Acq: 26 Oct 2022 11:27

Tgt Ion: 94 Resp: 100952
 Ion Ratio Lower Upper
 94 100
 96 93.4 64.9 120.5

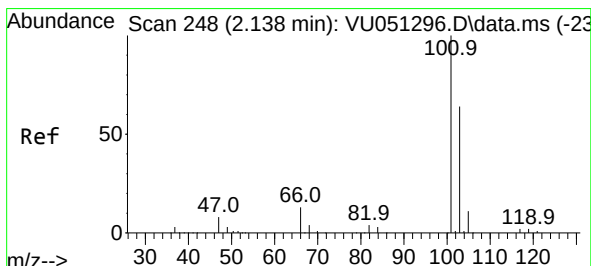
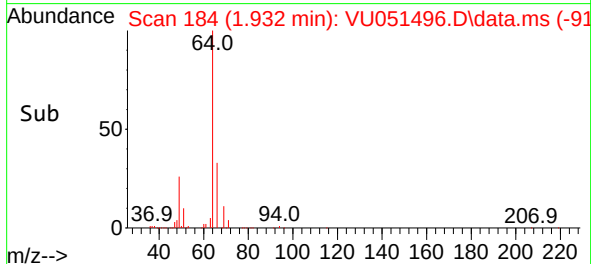
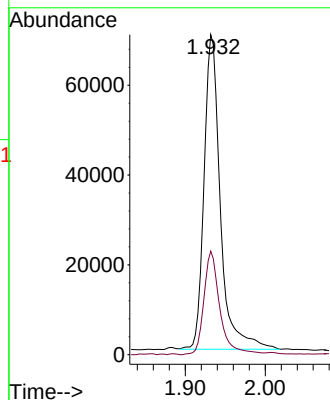
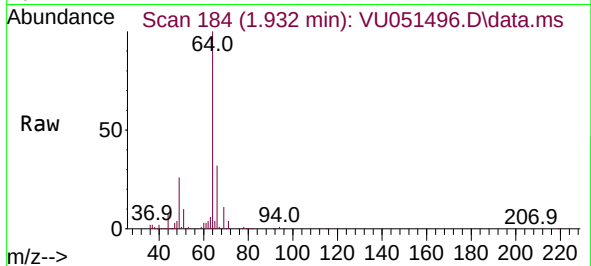




#8
Chloroethane
Concen: 5.135 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

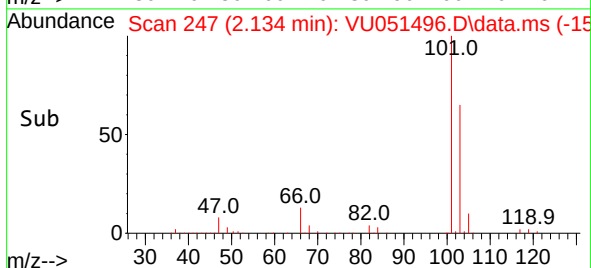
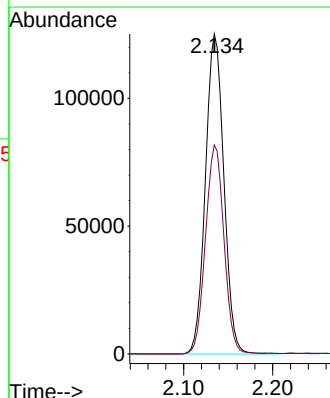
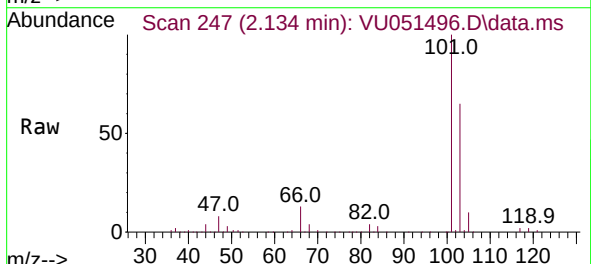
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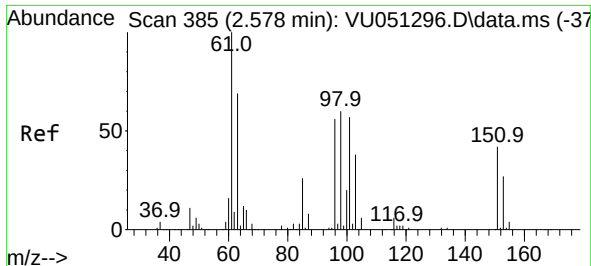
Tgt Ion: 64 Resp: 99579
Ion Ratio Lower Upper
64 100
66 32.4 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.127 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion: 101 Resp: 179689
Ion Ratio Lower Upper
101 100
103 65.6 52.2 78.2

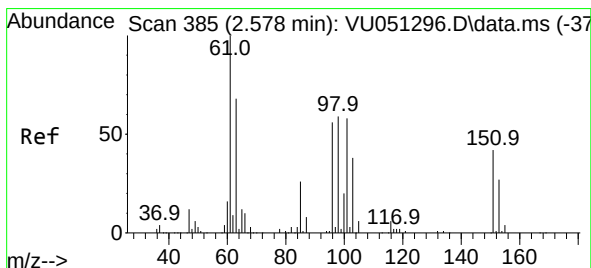
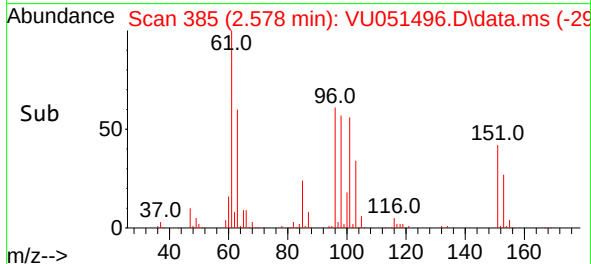
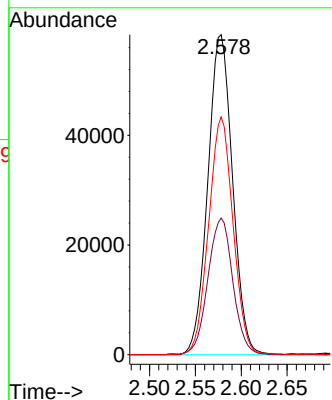
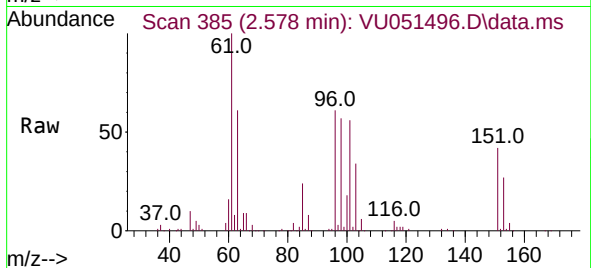




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.205 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051496.D
 Acq: 26 Oct 2022 11:27

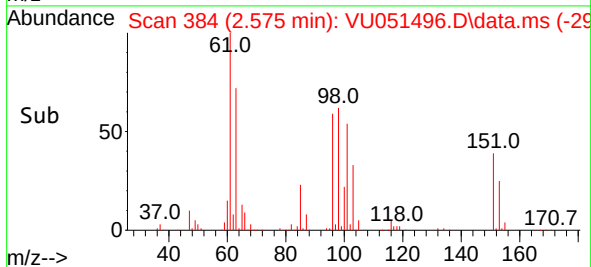
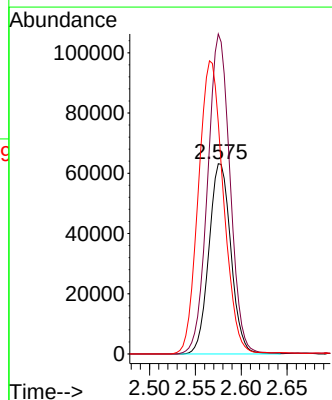
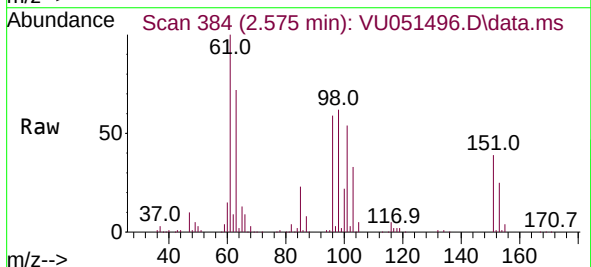
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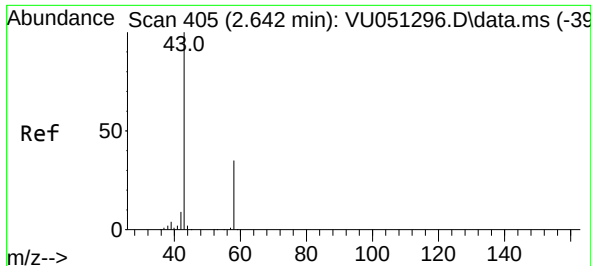
Tgt Ion:101 Resp: 109504
 Ion Ratio Lower Upper
 101 100
 85 43.0 34.6 51.8
 151 73.5 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 5.327 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051496.D
 Acq: 26 Oct 2022 11:27

Tgt Ion: 96 Resp: 105149
 Ion Ratio Lower Upper
 96 100
 61 168.2 117.6 218.4
 63 121.7 85.2 158.2





#13

Acetone

Concen: 47.529 ug/L

RT: 2.649 min Scan# 407

Delta R.T. 0.010 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

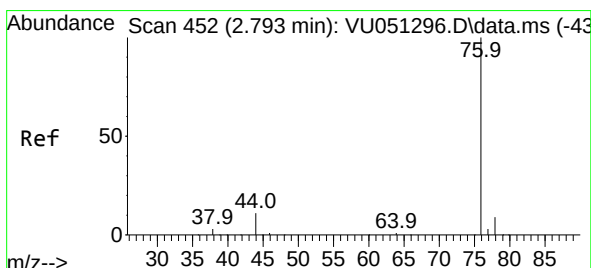
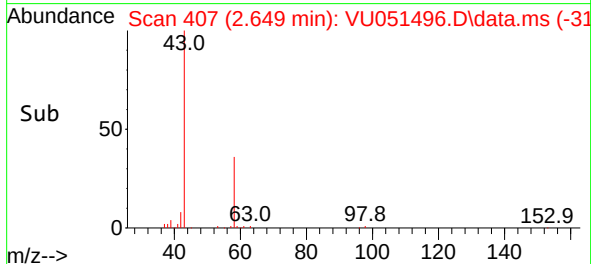
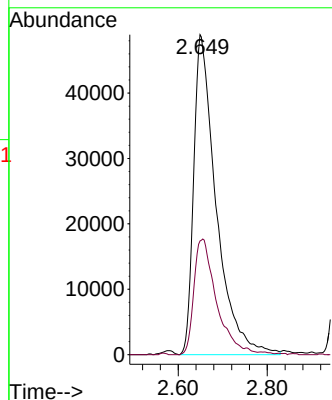
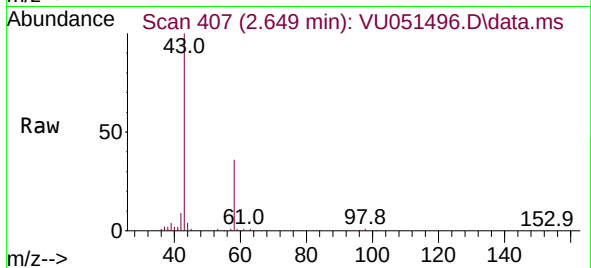
VSTD005181

Tgt Ion: 43 Resp: 171360

Ion Ratio Lower Upper

43 100

58 35.6 0.0 68.8



#14

Carbon disulfide

Concen: 5.992 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051496.D

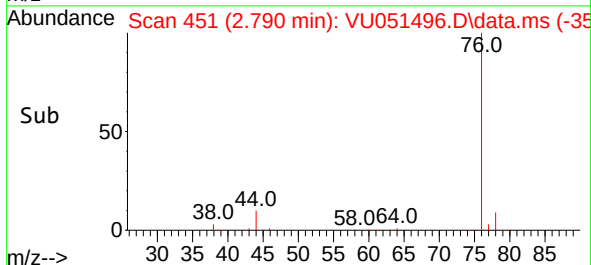
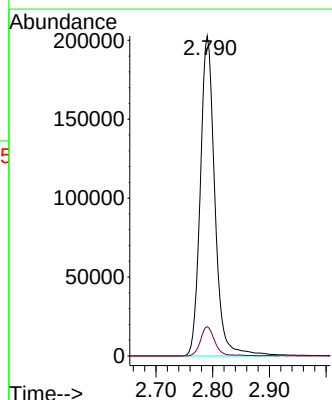
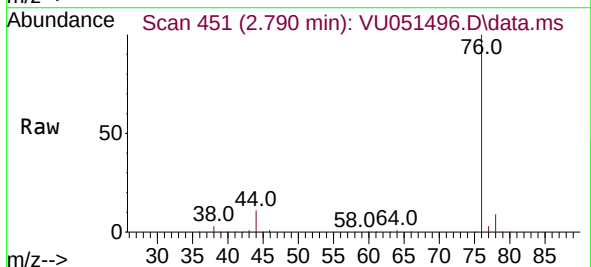
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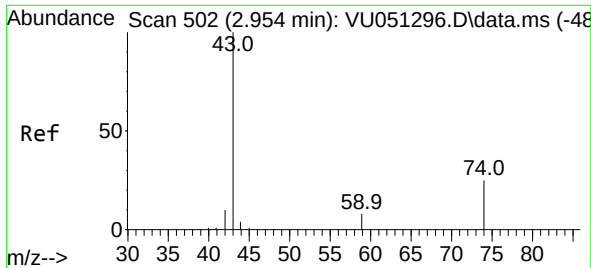
Tgt Ion: 76 Resp: 362236

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

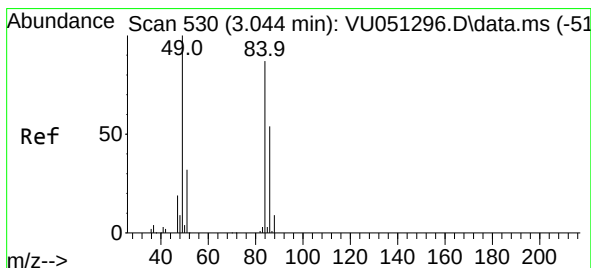
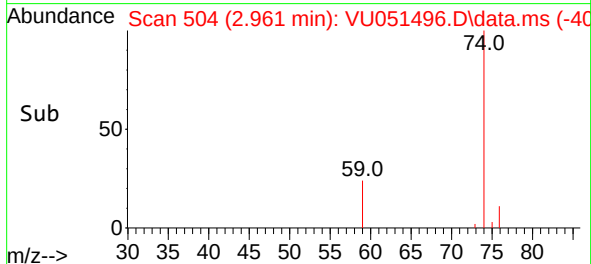
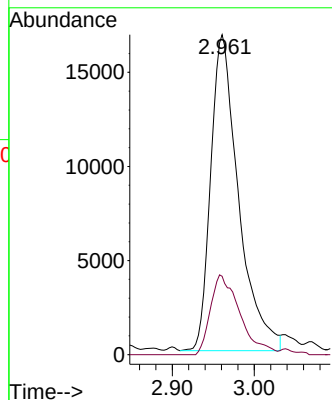
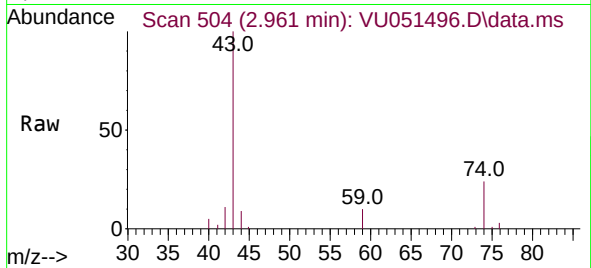




#15
Methyl Acetate
Concen: 4.525 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

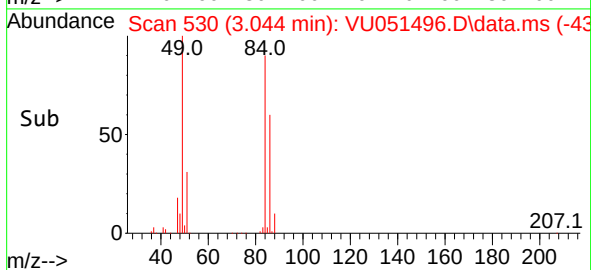
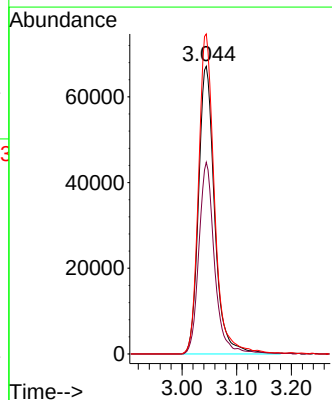
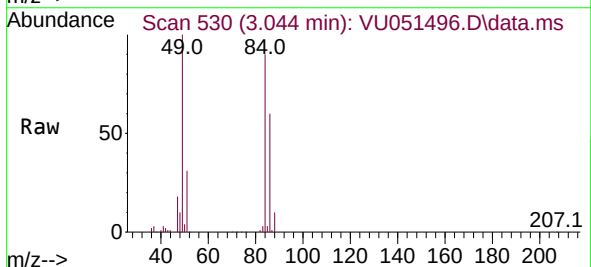
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

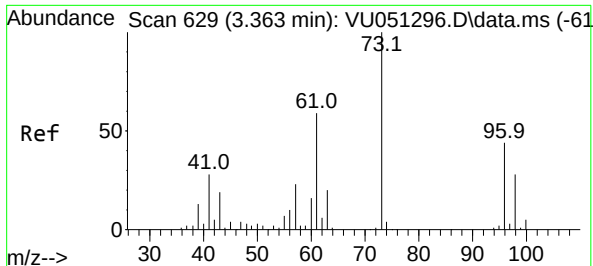
Tgt Ion: 43 Resp: 39660
Ion Ratio Lower Upper
43 100
74 26.6 20.0 30.0



#16
Methylene chloride
Concen: 4.707 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion: 84 Resp: 137176
Ion Ratio Lower Upper
84 100
86 66.7 46.5 86.3
49 111.3 81.3 151.1





#17

Methyl tert-butyl Ether

Concen: 4.923 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

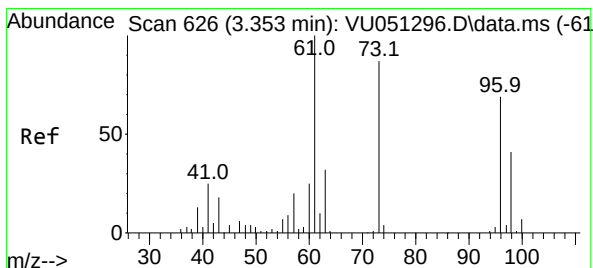
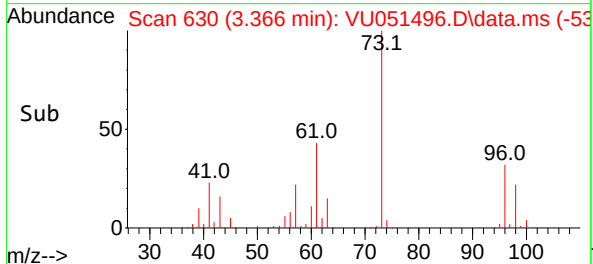
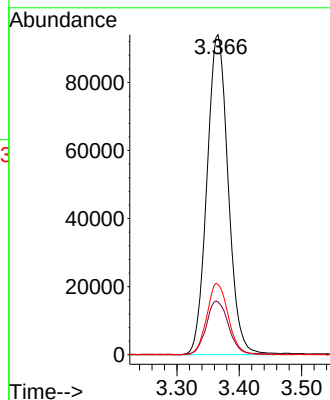
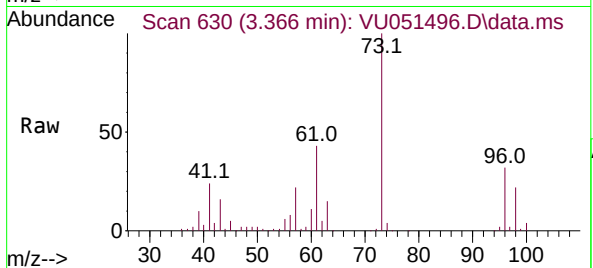
Tgt Ion: 73 Resp: 222596

Ion Ratio Lower Upper

73 100

43 17.8 15.4 23.0

57 22.4 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 5.369 ug/L

RT: 3.350 min Scan# 625

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

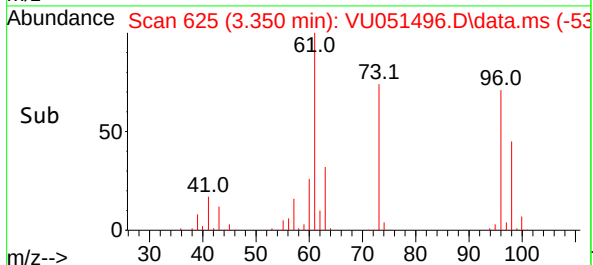
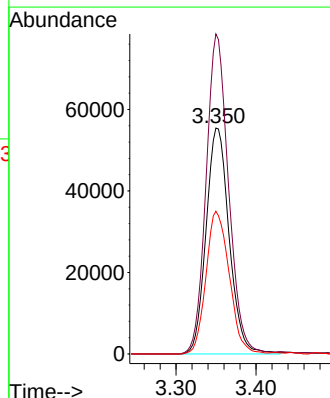
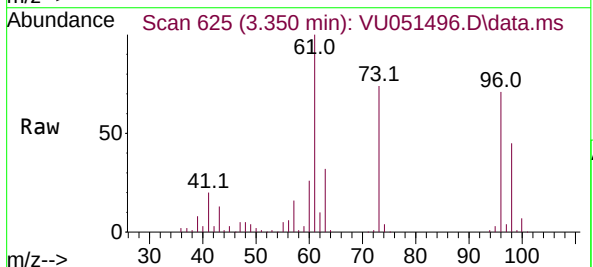
Tgt Ion: 96 Resp: 111486

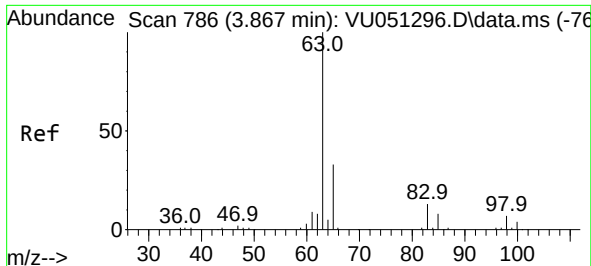
Ion Ratio Lower Upper

96 100

61 141.6 101.4 188.2

98 63.2 44.9 83.5





#19

1,1-Dichloroethane

Concen: 4.842 ug/L

RT: 3.867 min Scan# 7

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

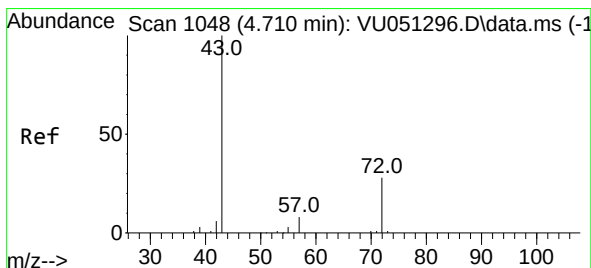
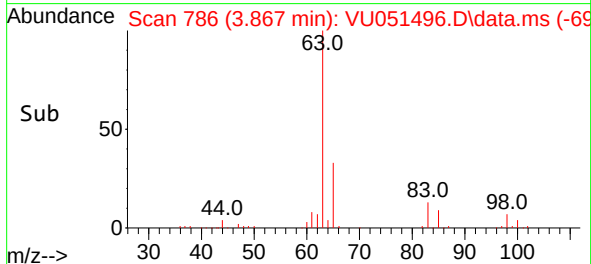
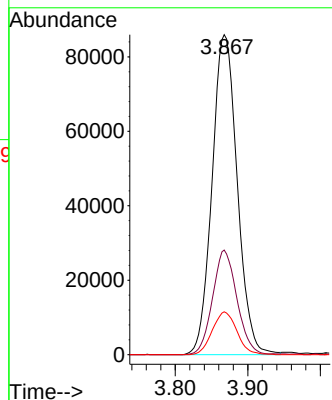
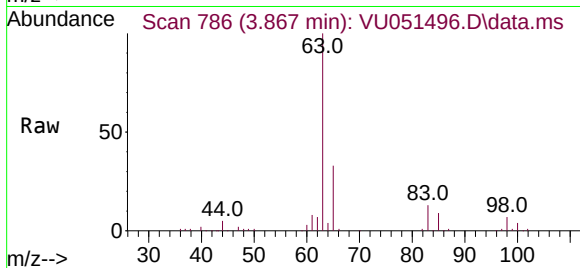
Tgt Ion: 63 Resp: 207472

Ion Ratio Lower Upper

63 100

65 32.7 22.0 41.0

83 13.4 9.0 16.6



#21

2-Butanone

Concen: 46.151 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU051496.D

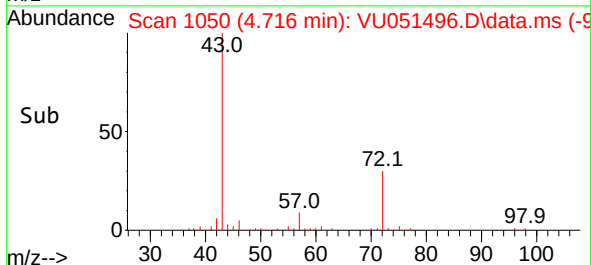
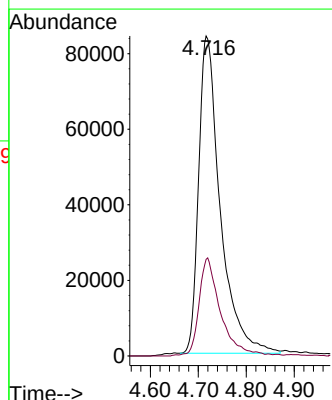
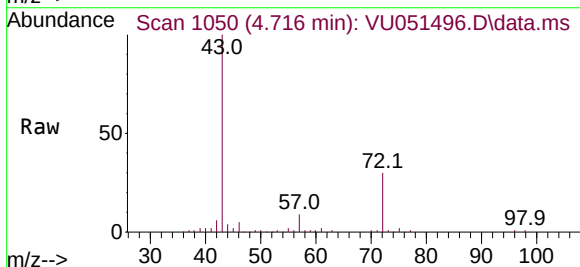
Acq: 26 Oct 2022 11:27

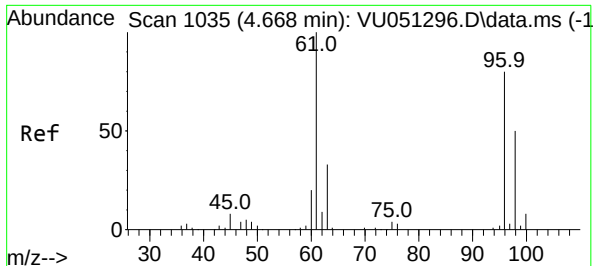
Tgt Ion: 43 Resp: 262229

Ion Ratio Lower Upper

43 100

72 30.2 13.8 41.4





#22

cis-1,2-Dichloroethene

Concen: 5.133 ug/L

RT: 4.665 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

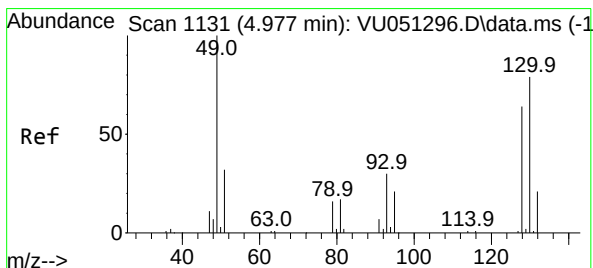
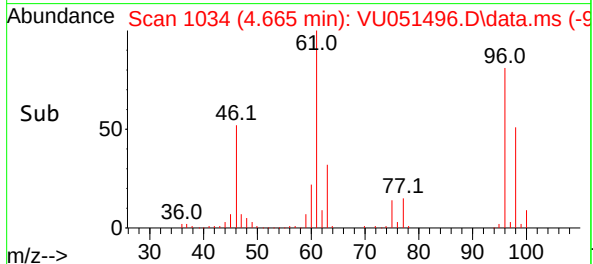
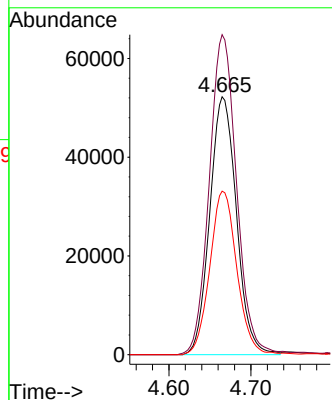
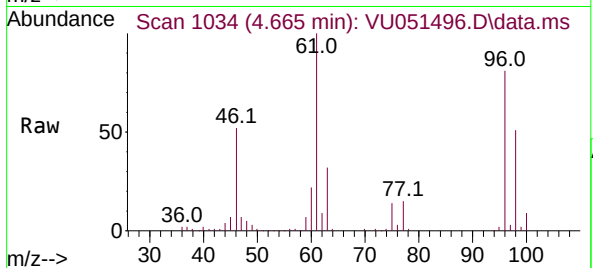
Tgt Ion: 96 Resp: 118063

Ion Ratio Lower Upper

96 100

61 124.1 90.6 168.2

98 63.4 47.5 88.3



#23

Bromochloromethane

Concen: 5.142 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Tgt Ion:128 Resp: 56428

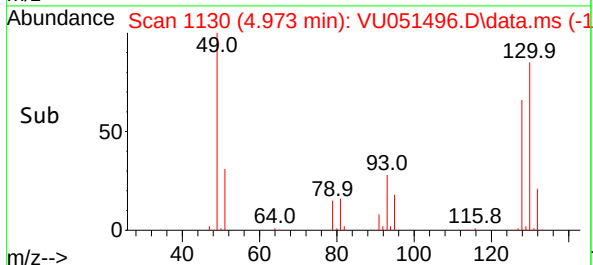
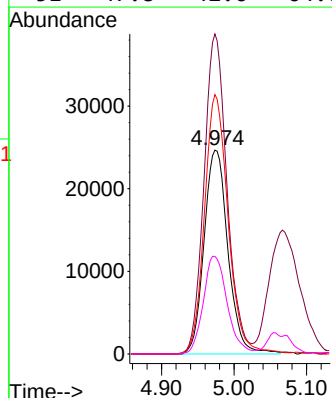
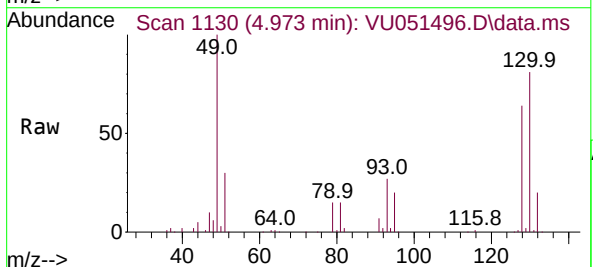
Ion Ratio Lower Upper

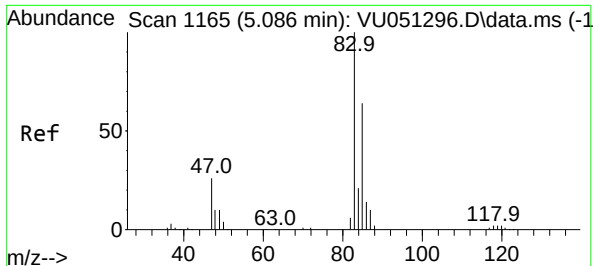
128 100

49 157.0 118.0 219.2

130 127.2 88.8 164.8

51 47.8 42.6 64.0





#25

Chloroform

Concen: 4.670 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

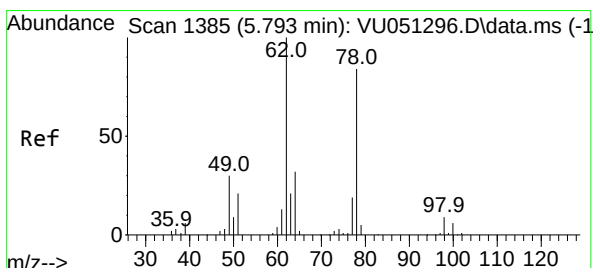
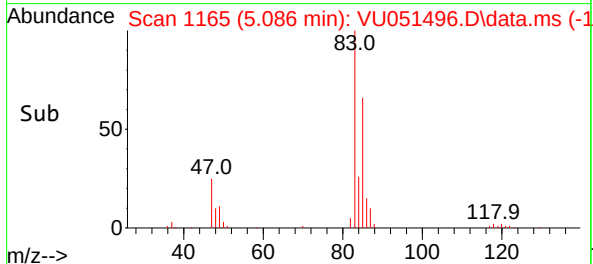
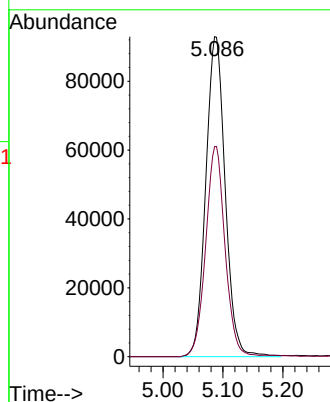
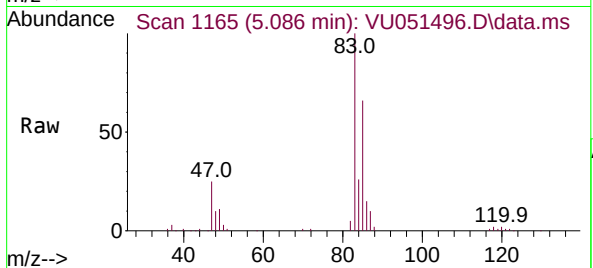
VSTD005181

Tgt Ion: 83 Resp: 209009

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.6



#27

1,2-Dichloroethane

Concen: 4.711 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051496.D

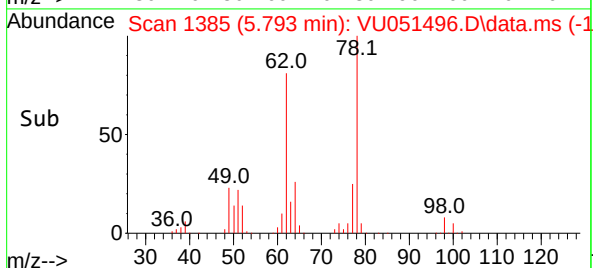
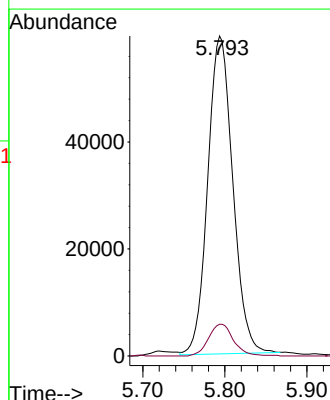
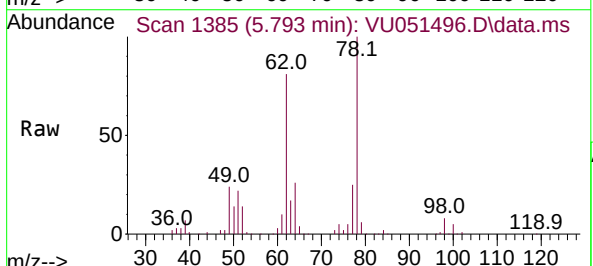
Acq: 26 Oct 2022 11:27

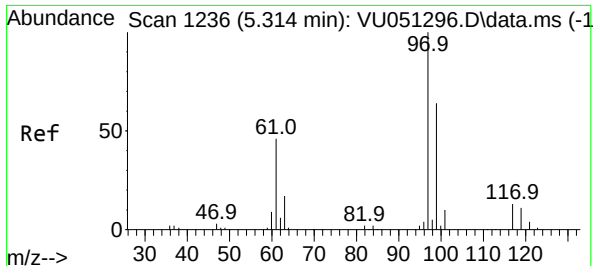
Tgt Ion: 62 Resp: 126297

Ion Ratio Lower Upper

62 100

98 9.9 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 5.129 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

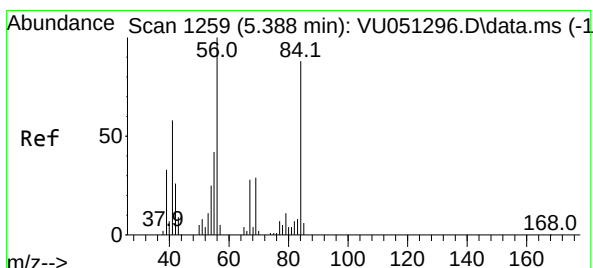
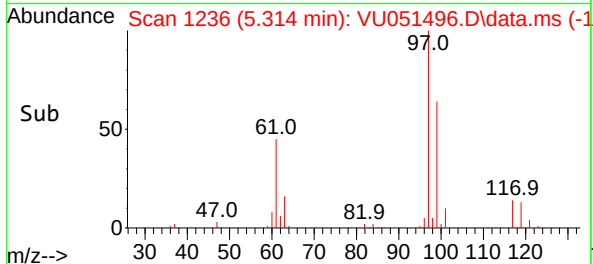
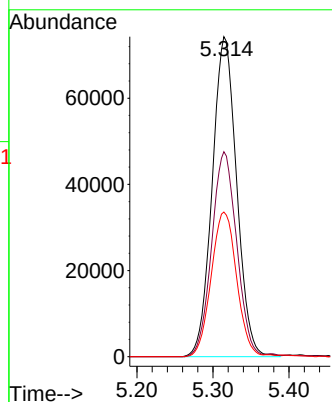
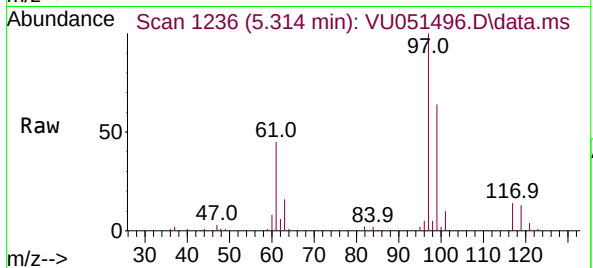
Tgt Ion: 97 Resp: 165881

Ion Ratio Lower Upper

97 100

99 65.4 50.2 75.4

61 46.9 38.7 58.1



#30

Cyclohexane

Concen: 5.876 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

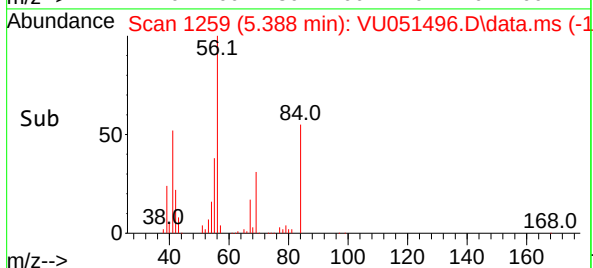
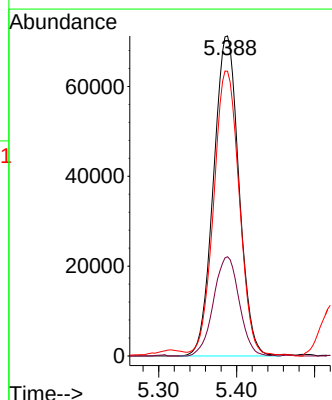
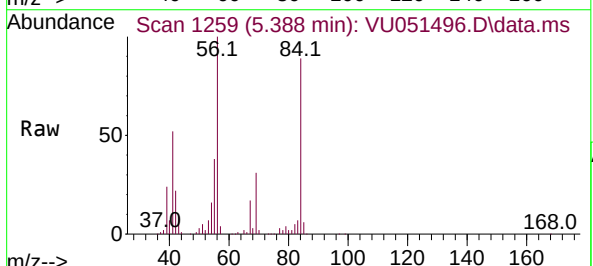
Tgt Ion: 56 Resp: 161205

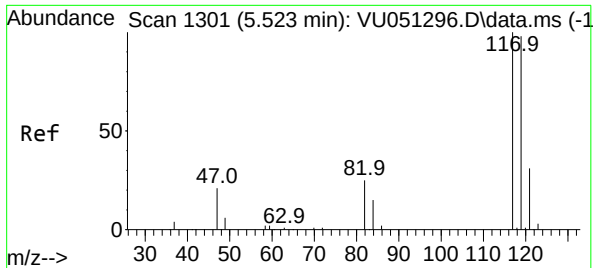
Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 88.8 70.9 106.3

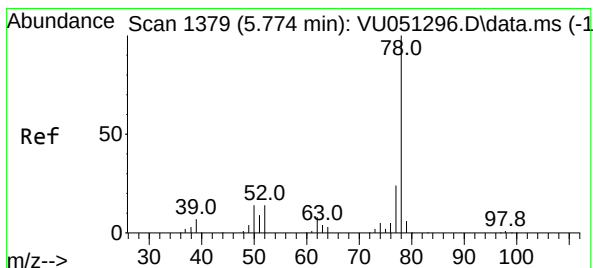
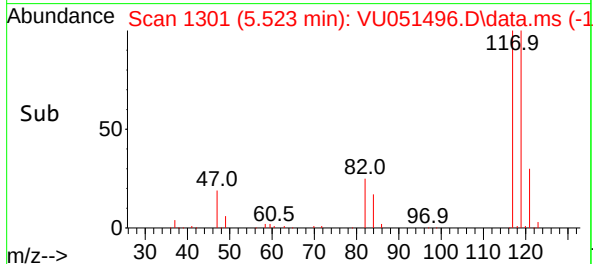
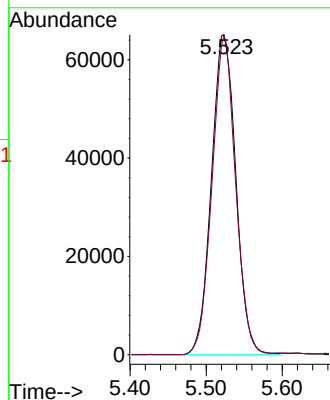
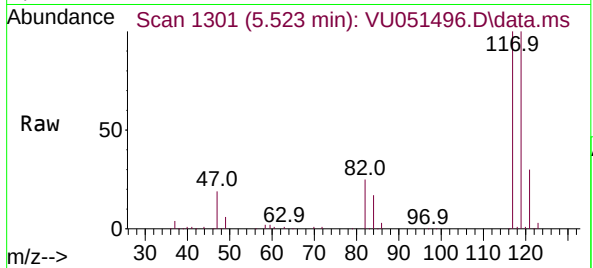




#31
Carbon tetrachloride
Concen: 5.304 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

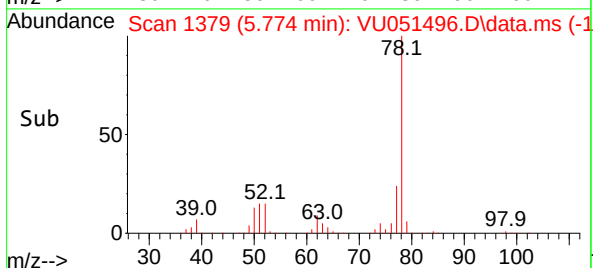
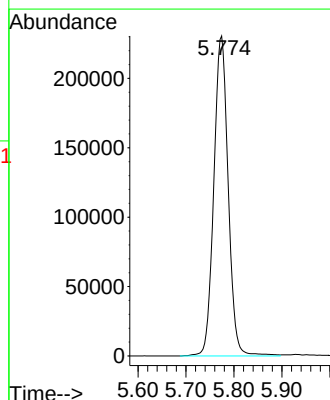
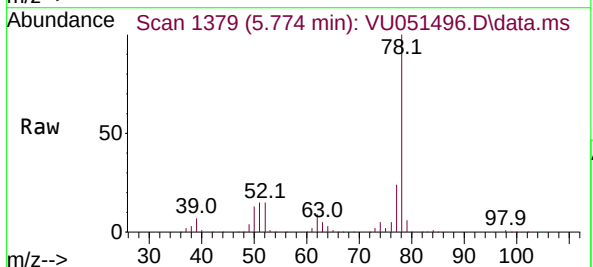
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

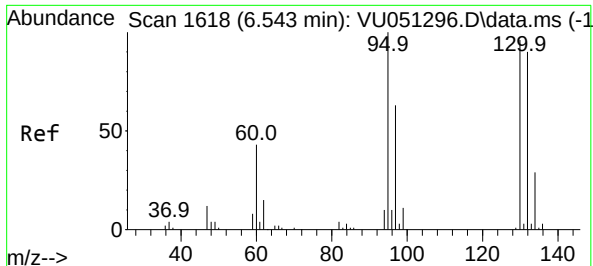
Tgt Ion:117 Resp: 145167
Ion Ratio Lower Upper
117 100
119 95.9 78.4 117.6



#33
Benzene
Concen: 5.333 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion: 78 Resp: 480620

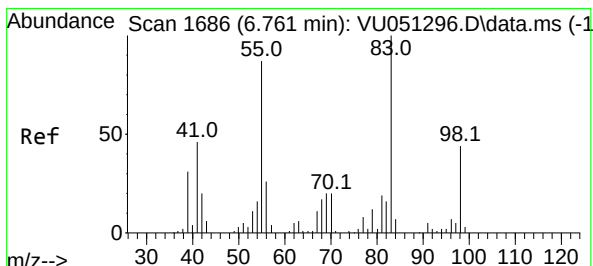
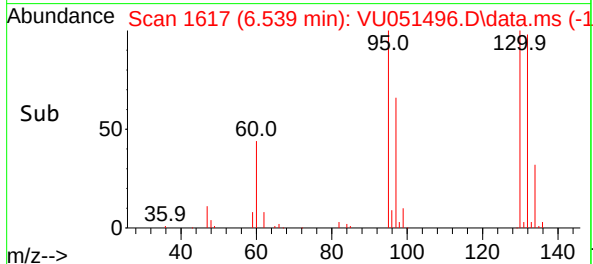
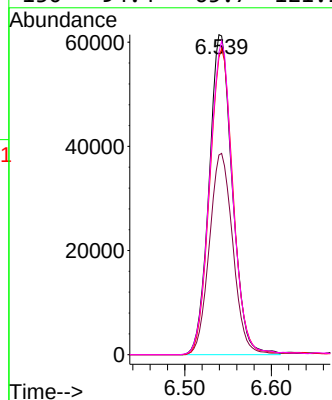
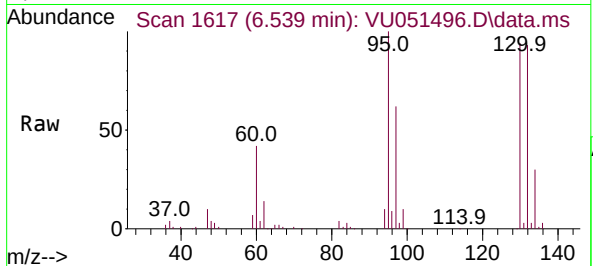




#34
Trichloroethene
Concen: 5.098 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

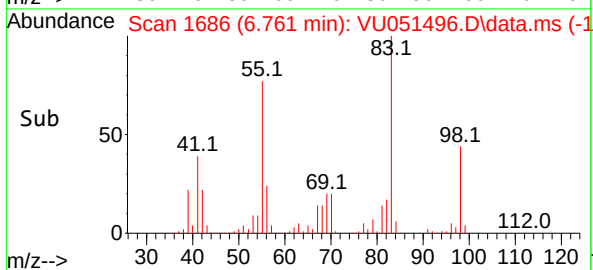
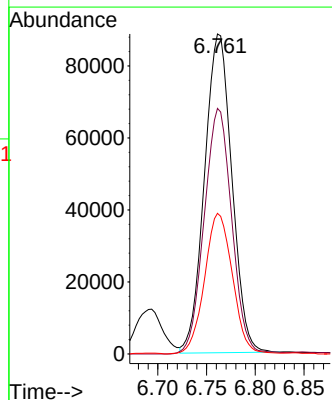
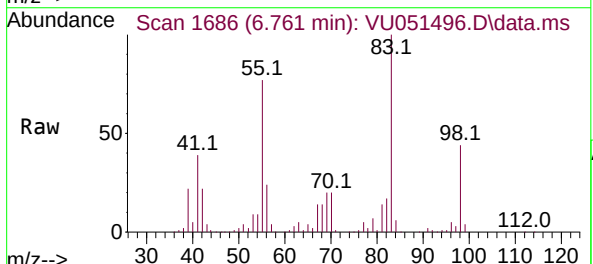
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

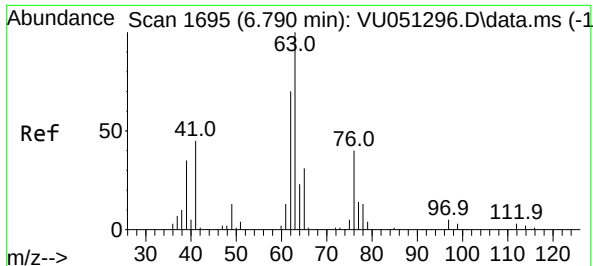
Tgt Ion: 95 Resp: 114614
Ion Ratio Lower Upper
95 100
97 62.4 45.4 84.2
132 92.9 63.1 117.3
130 94.4 65.7 121.9



#35
Methylcyclohexane
Concen: 6.099 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion: 83 Resp: 173003
Ion Ratio Lower Upper
83 100
55 77.7 65.8 98.6
98 44.9 35.9 53.9

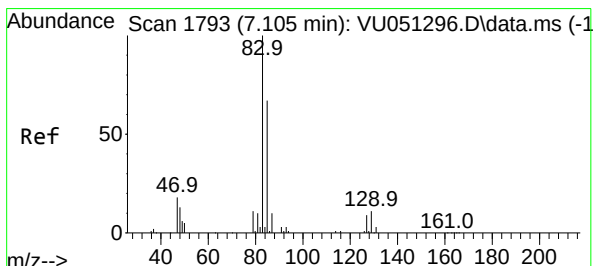
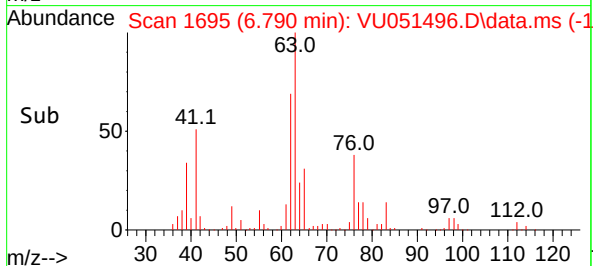
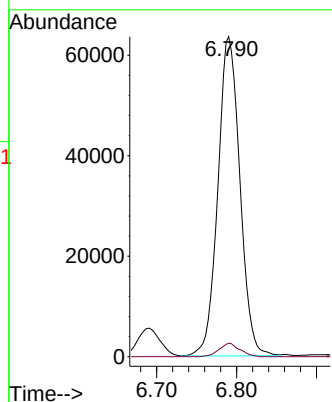
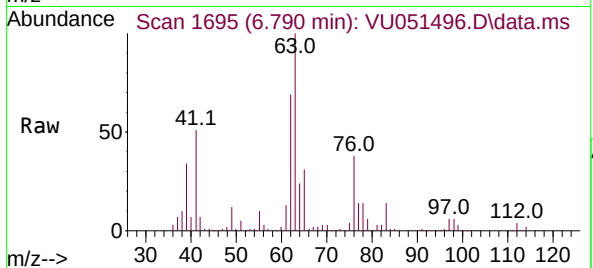




#37
1,2-Dichloropropane
Concen: 4.918 ug/L
RT: 6.790 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

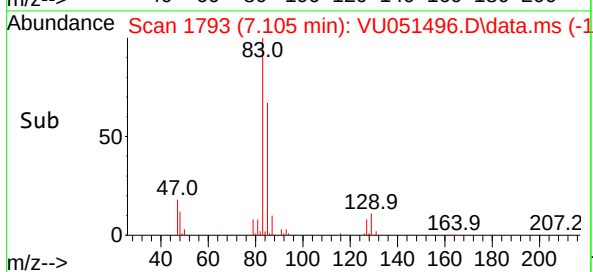
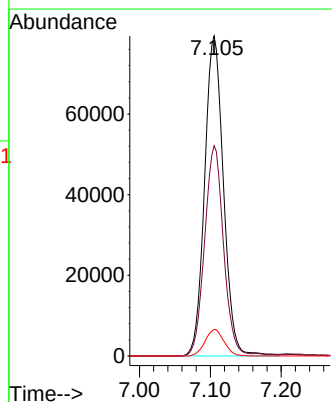
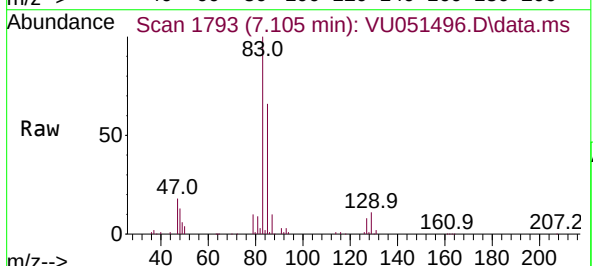
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

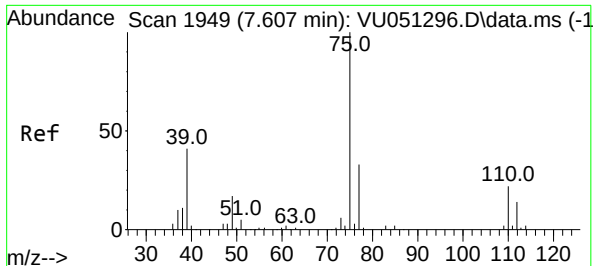
Tgt Ion: 63 Resp: 121491
Ion Ratio Lower Upper
63 100
112 3.9 3.2 4.8



#38
Bromodichloromethane
Concen: 4.983 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion: 83 Resp: 146840
Ion Ratio Lower Upper
83 100
85 65.7 44.8 83.2
127 8.3 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.276 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

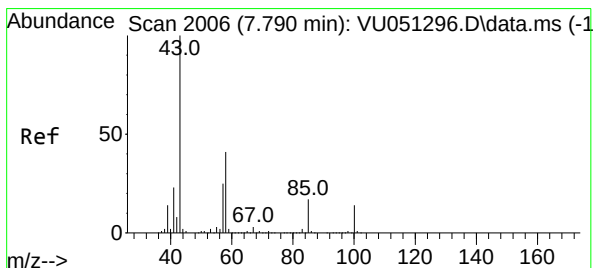
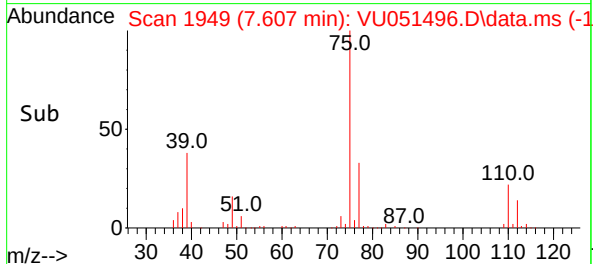
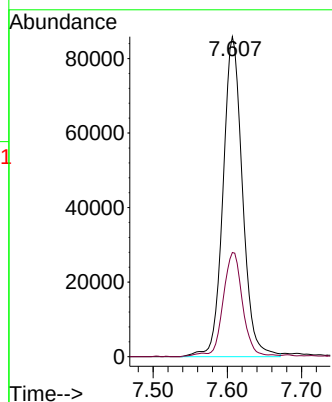
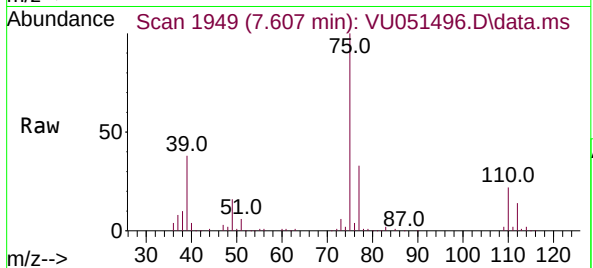
VSTD005181

Tgt Ion: 75 Resp: 156647

Ion Ratio Lower Upper

75 100

77 32.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 48.361 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

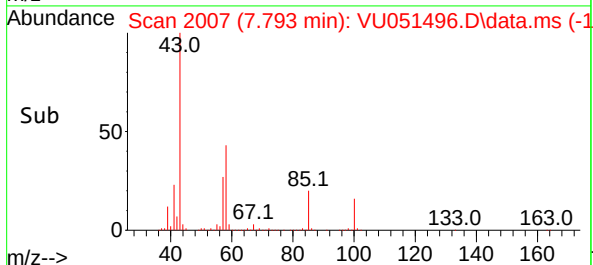
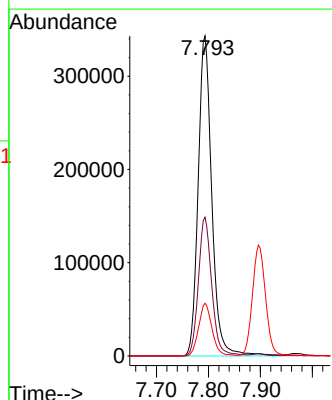
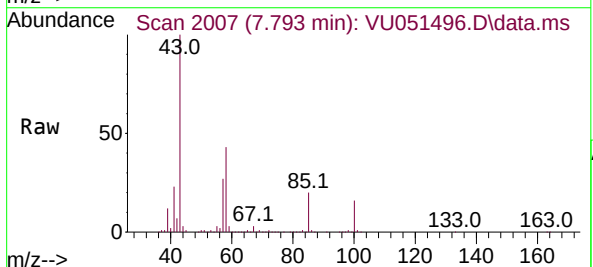
Tgt Ion: 43 Resp: 626717

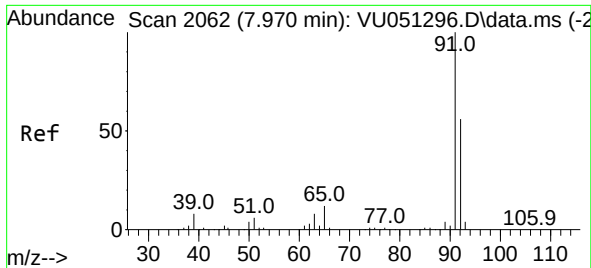
Ion Ratio Lower Upper

43 100

58 42.4 33.0 49.6

100 16.2 11.8 17.6





#42

Toluene

Concen: 5.315 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

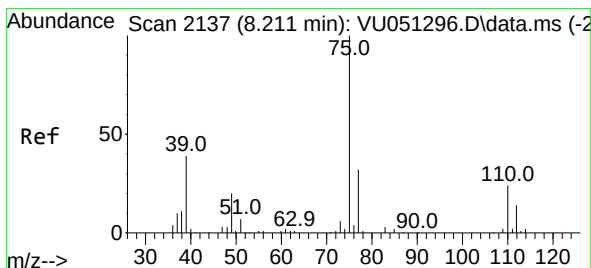
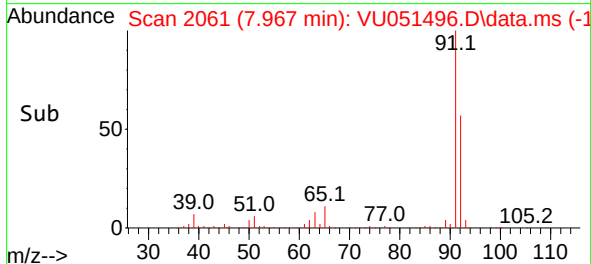
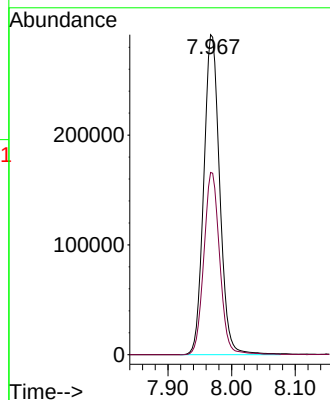
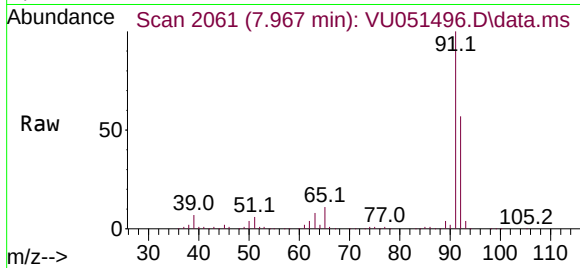
VSTD005181

Tgt Ion: 91 Resp: 508434

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.261 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051496.D

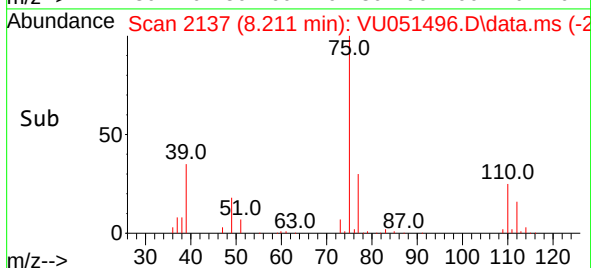
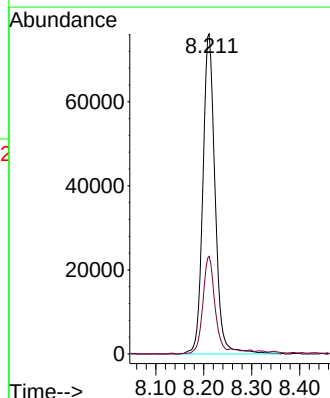
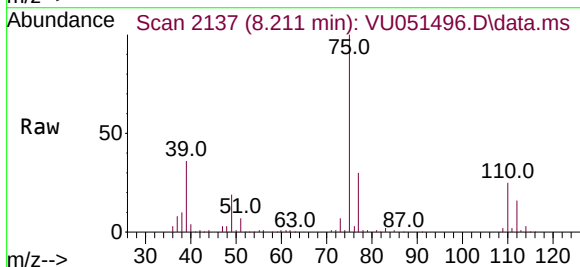
Acq: 26 Oct 2022 11:27

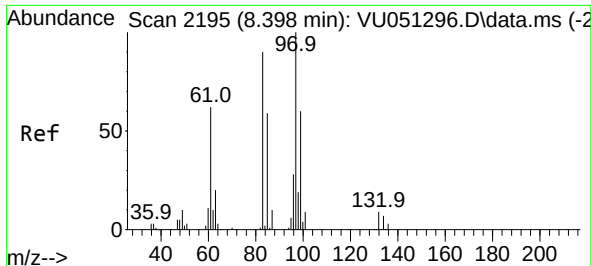
Tgt Ion: 75 Resp: 135068

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6

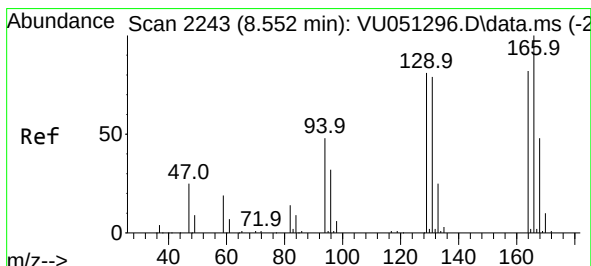
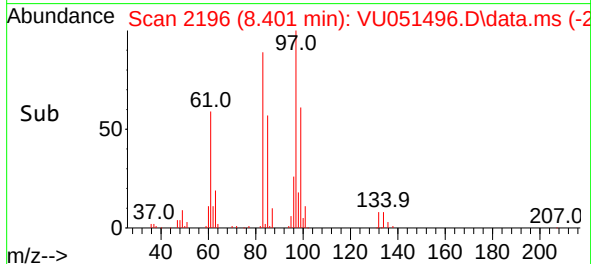
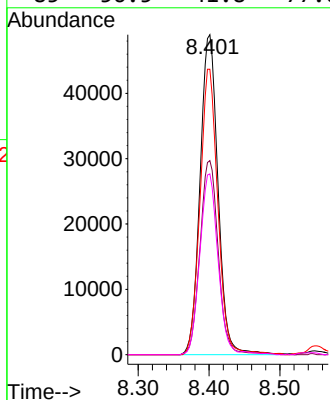
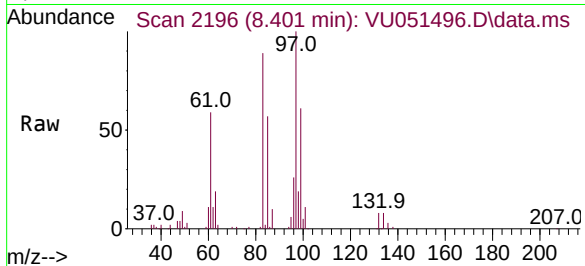




#45
1,1,2-Trichloroethane
Concen: 4.967 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

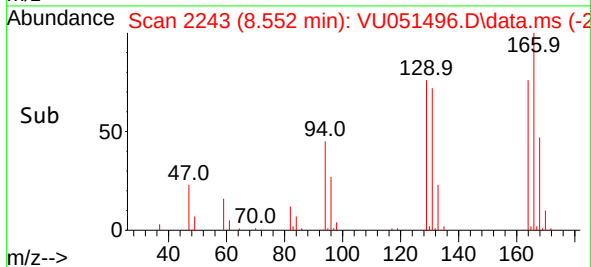
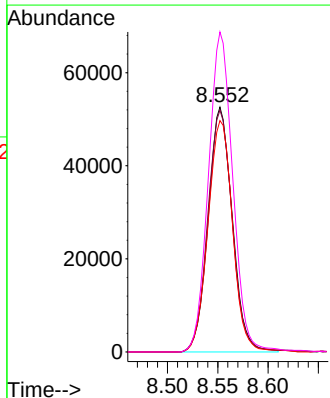
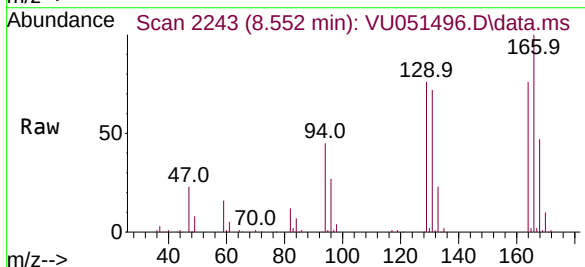
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

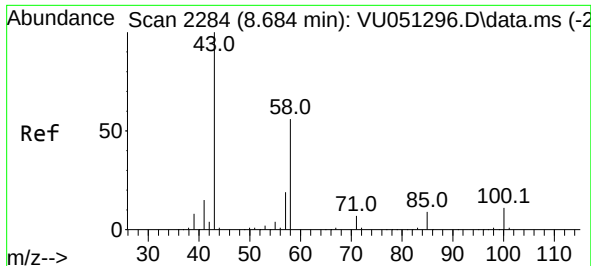
Tgt Ion:	97	Resp:	86149
Ion	Ratio	Lower	Upper
97	100		
99	60.7	45.3	84.1
83	89.2	63.1	117.1
85	56.5	41.8	77.6



#47
Tetrachloroethene
Concen: 5.310 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion:	164	Resp:	87769
Ion	Ratio	Lower	Upper
164	100		
129	98.8	71.3	132.3
131	94.5	66.9	124.3
166	130.7	90.9	168.7

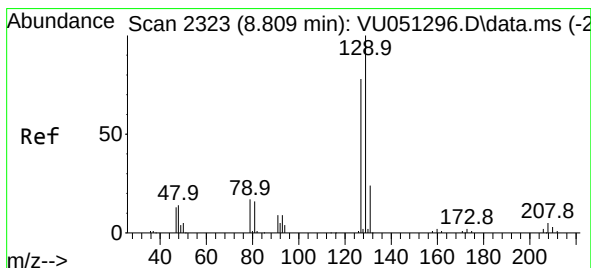
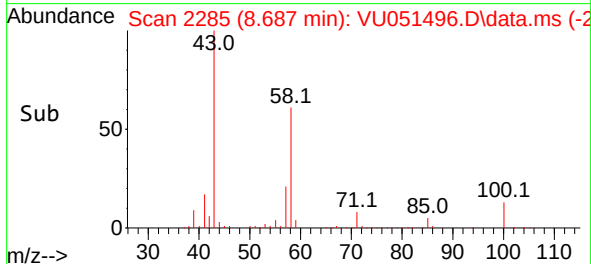
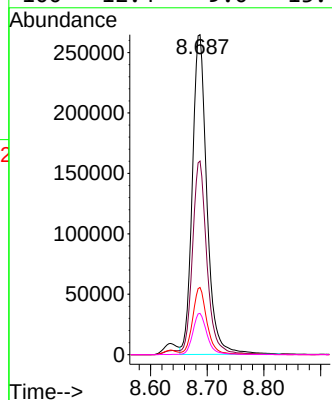
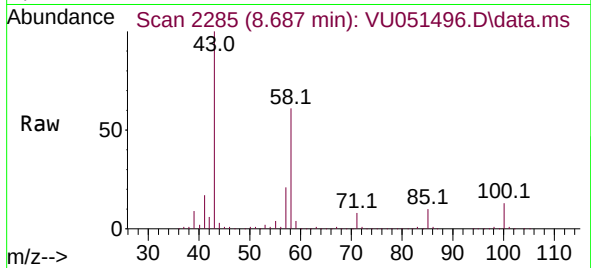




#48
2-Hexanone
Concen: 48.856 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

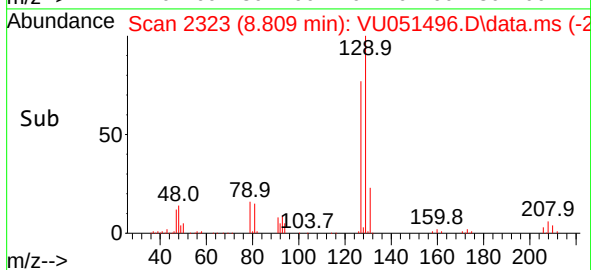
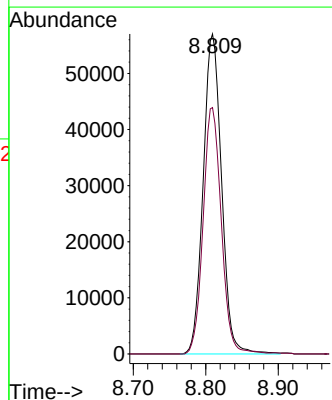
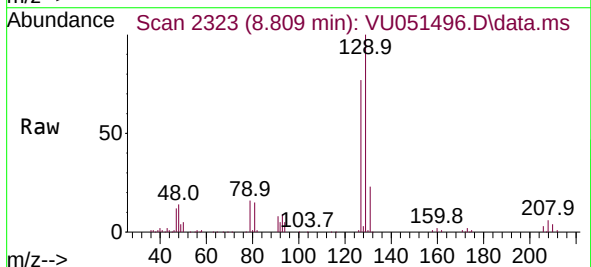
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

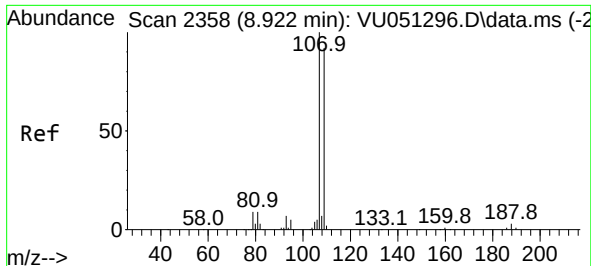
Tgt Ion: 43 Resp: 471423
Ion Ratio Lower Upper
43 100
58 59.9 48.2 72.2
57 20.6 15.5 23.3
100 12.4 9.0 13.4



#49
Dibromochloromethane
Concen: 5.158 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion: 129 Resp: 100439
Ion Ratio Lower Upper
129 100
127 77.0 53.5 99.3

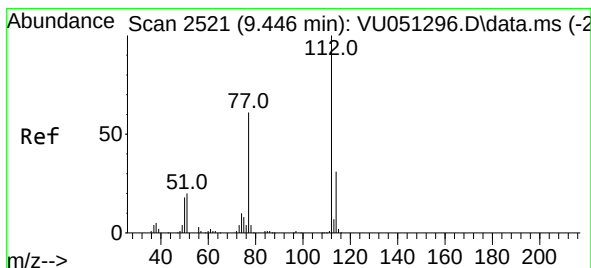
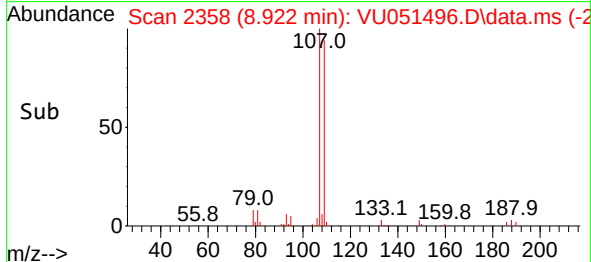
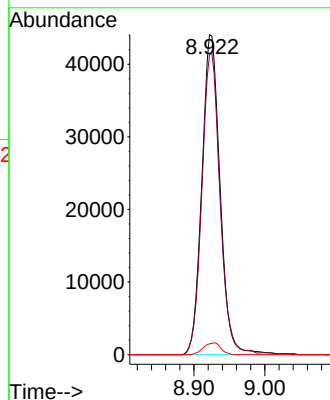
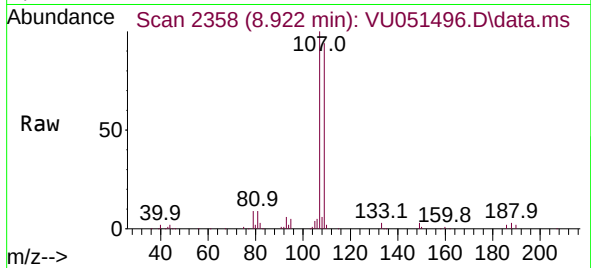




#50
1,2-Dibromoethane
Concen: 5.084 ug/L
RT: 8.922 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

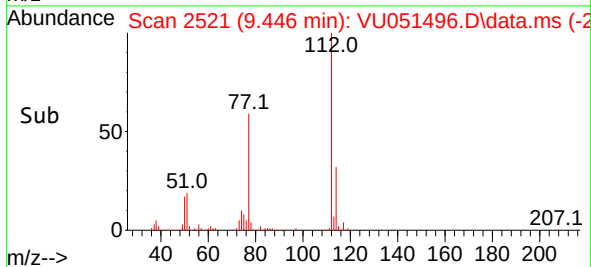
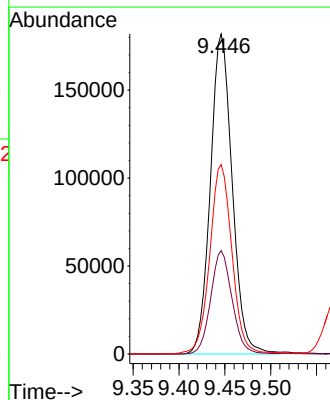
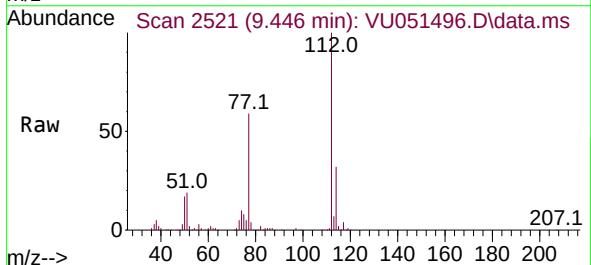
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

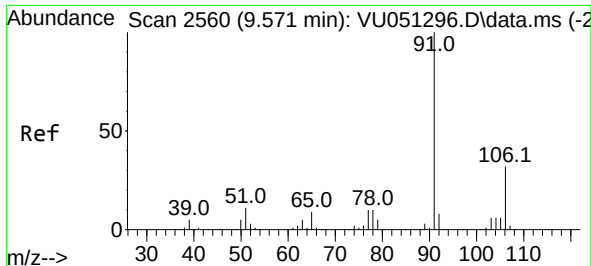
Tgt Ion:107 Resp: 78483
Ion Ratio Lower Upper
107 100
109 93.6 67.1 124.7
188 3.4 2.5 3.7



#51
Chlorobenzene
Concen: 5.273 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion:112 Resp: 301408
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 59.2 48.1 72.1

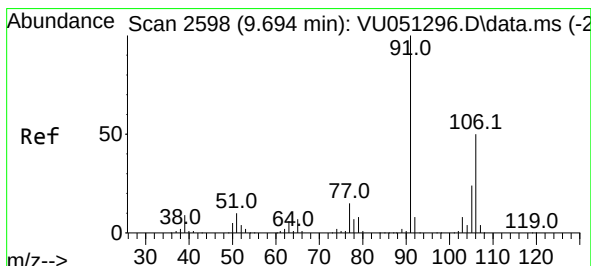
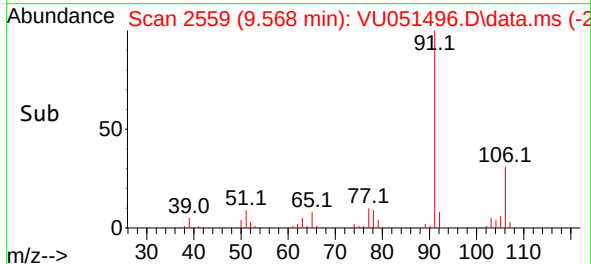
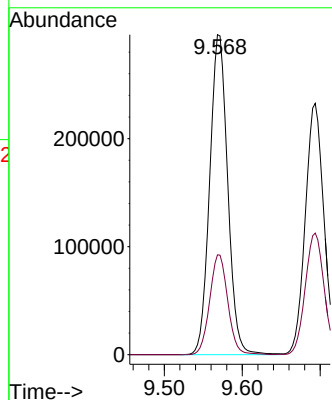
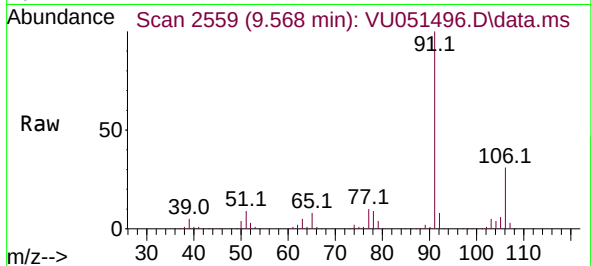




#52
Ethylbenzene
Concen: 5.546 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

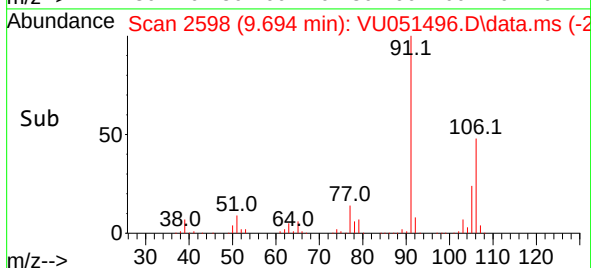
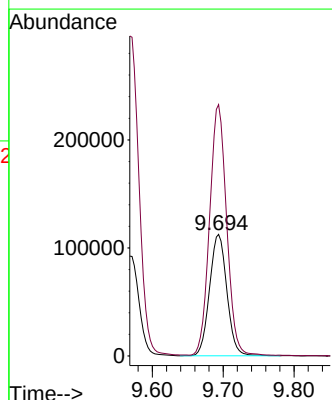
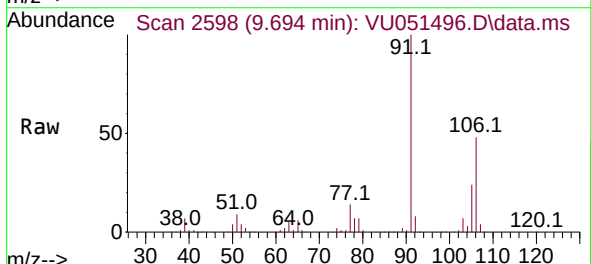
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

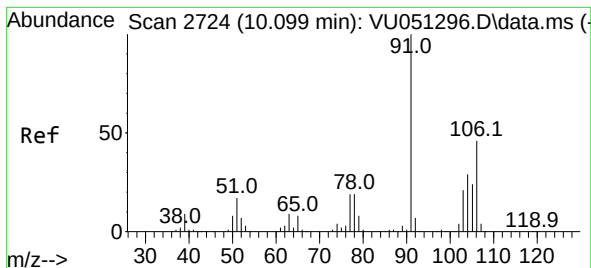
Tgt Ion: 91 Resp: 476763
Ion Ratio Lower Upper
91 100
106 31.2 20.9 38.7



#53
m,p-Xylene
Concen: 5.710 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion: 106 Resp: 190363
Ion Ratio Lower Upper
106 100
91 206.8 143.9 267.3





#54

o-Xylene

Concen: 5.848 ug/L

RT: 10.099 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

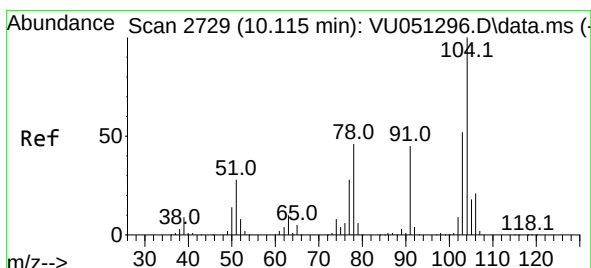
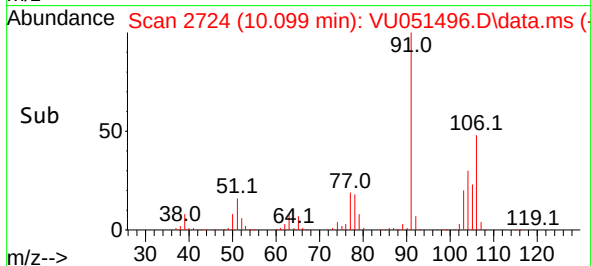
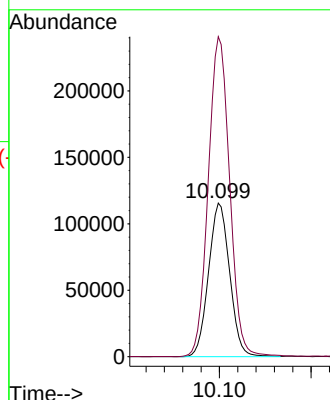
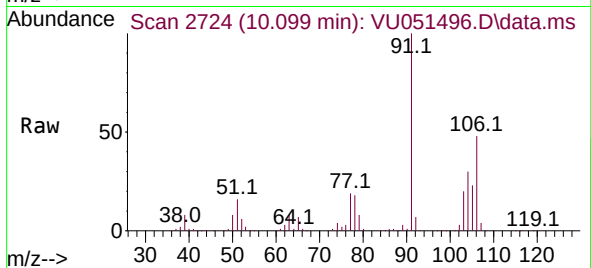
VSTD005181

Tgt Ion:106 Resp: 184484

Ion Ratio Lower Upper

106 100

91 208.4 154.4 286.8



#55

Styrene

Concen: 5.847 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VU051496.D

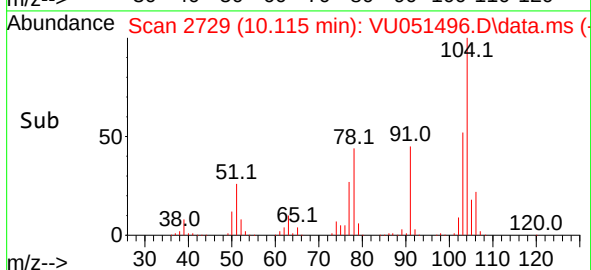
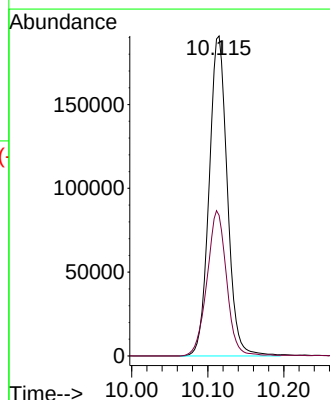
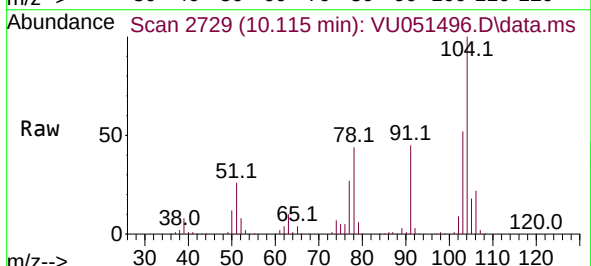
Acq: 26 Oct 2022 11:27

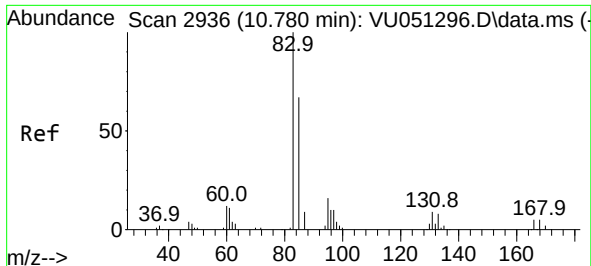
Tgt Ion:104 Resp: 317528

Ion Ratio Lower Upper

104 100

78 43.9 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.036 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

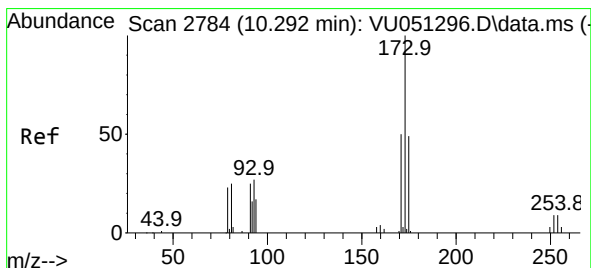
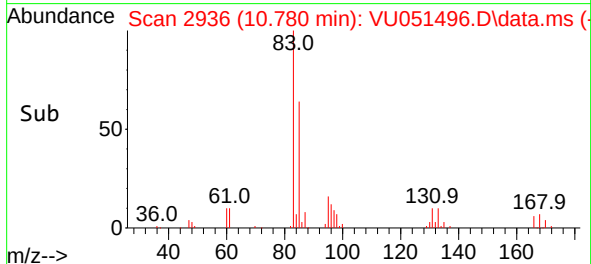
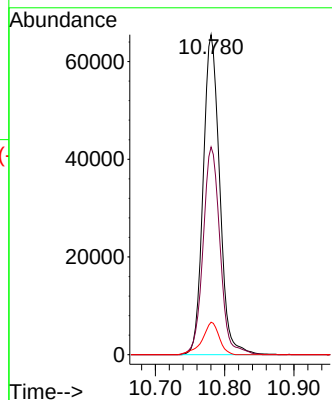
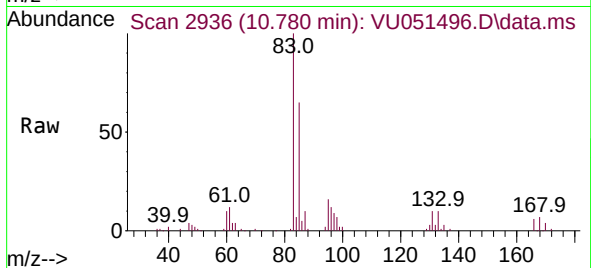
Tgt Ion: 83 Resp: 108118

Ion Ratio Lower Upper

83 100

85 64.9 45.9 85.3

131 10.1 7.4 11.2



#59

Bromoform

Concen: 4.730 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

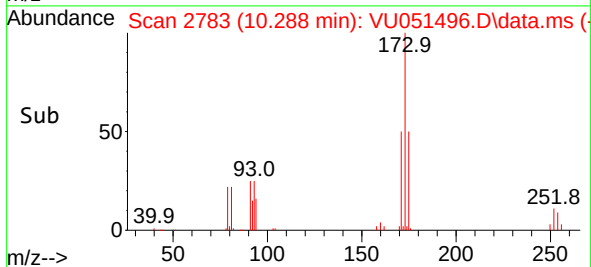
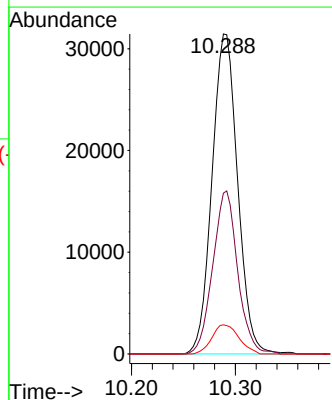
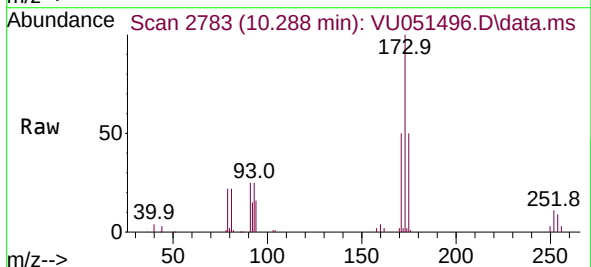
Tgt Ion:173 Resp: 53815

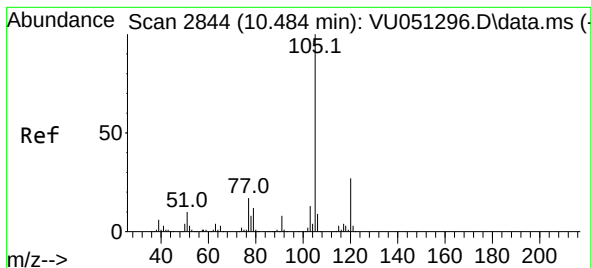
Ion Ratio Lower Upper

173 100

175 49.5 39.0 58.4

254 9.6 7.5 11.3





#60

Isopropylbenzene

Concen: 5.445 ug/L

RT: 10.485 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

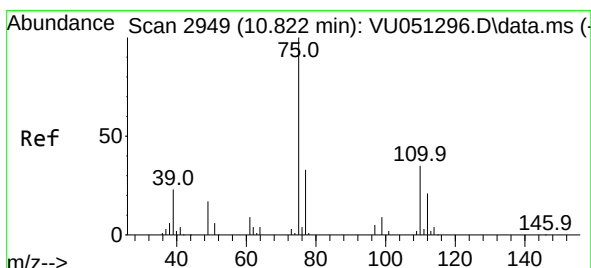
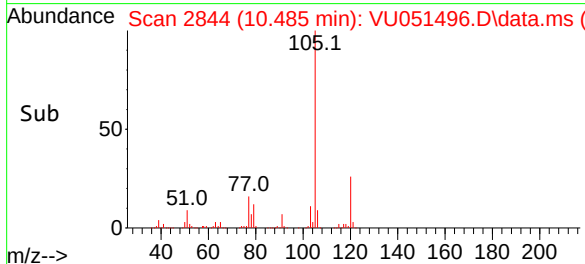
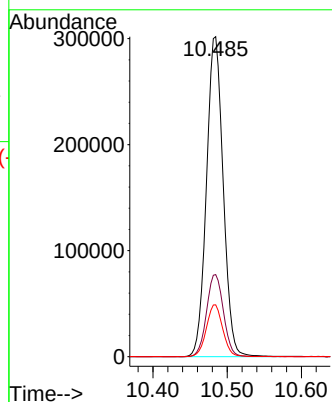
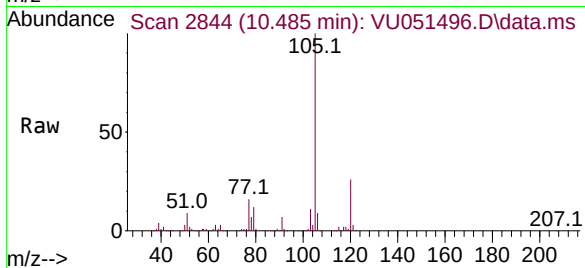
Tgt Ion:105 Resp: 471666

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

77 15.9 13.5 20.3



#61

1,2,3-Trichloropropane

Concen: 4.345 ug/L

RT: 10.822 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

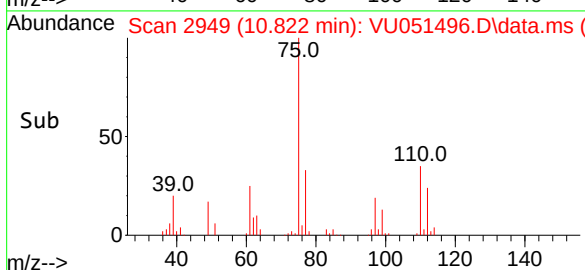
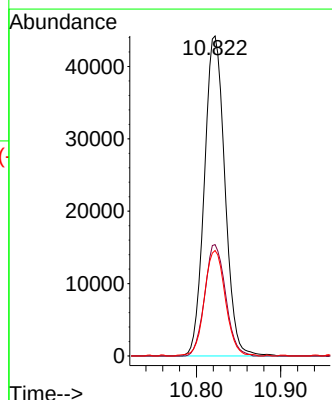
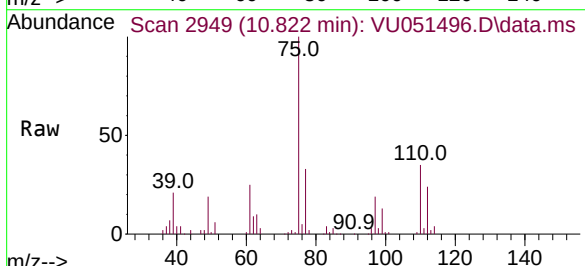
Tgt Ion: 75 Resp: 75038

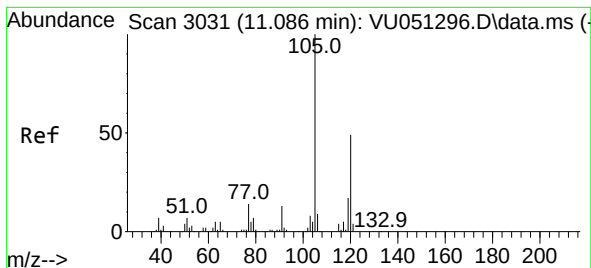
Ion Ratio Lower Upper

75 100

110 35.4 27.0 40.6

77 33.8 26.4 39.6





#62

1,3,5-Trimethylbenzene

Concen: 5.228 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

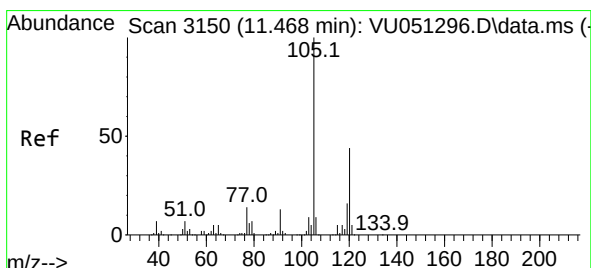
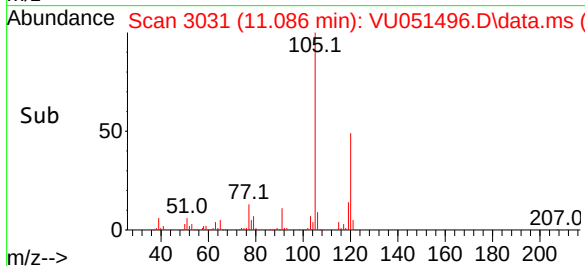
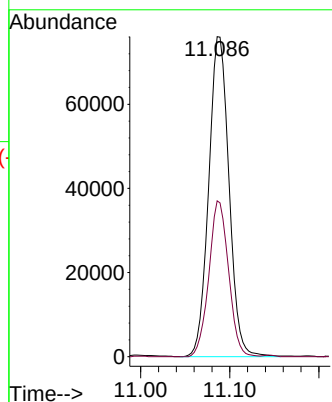
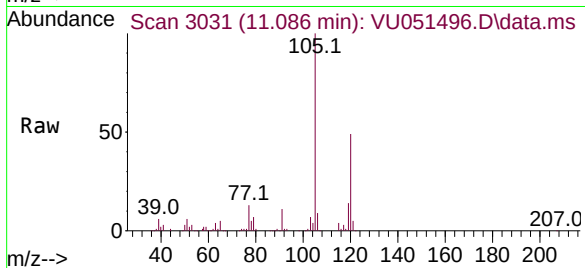
VSTD005181

Tgt Ion:105 Resp: 120129

Ion Ratio Lower Upper

105 100

120 47.2 37.7 56.5



#63

1,2,4-Trimethylbenzene

Concen: 5.304 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VU051496.D

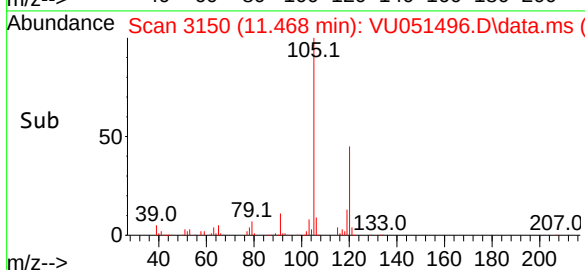
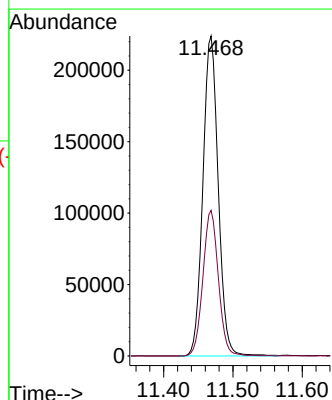
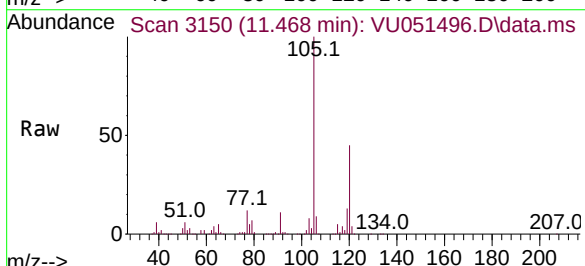
Acq: 26 Oct 2022 11:27

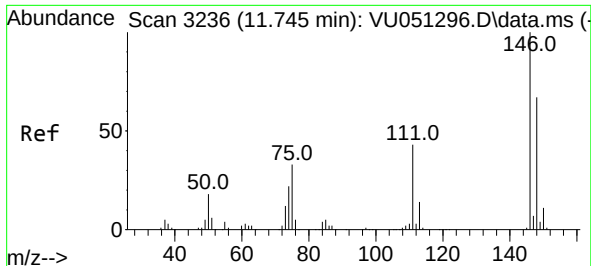
Tgt Ion:105 Resp: 344673

Ion Ratio Lower Upper

105 100

120 45.8 35.6 53.4

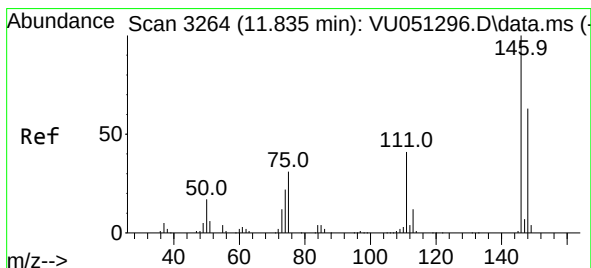
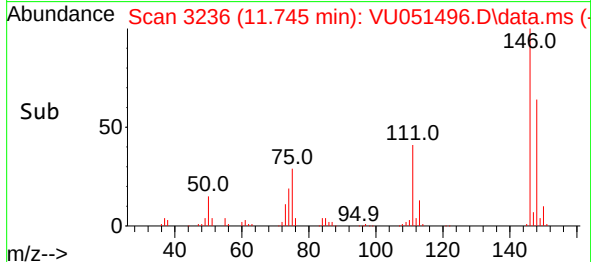
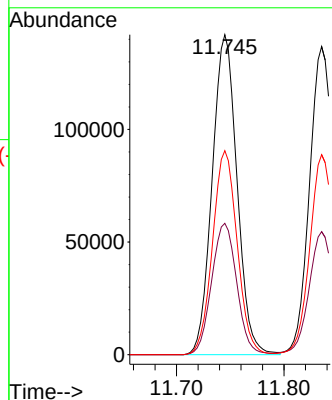
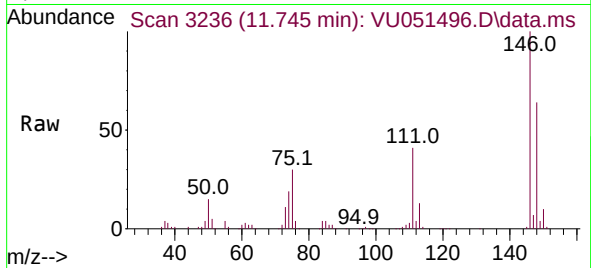




#64
1,3-Dichlorobenzene
Concen: 5.319 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

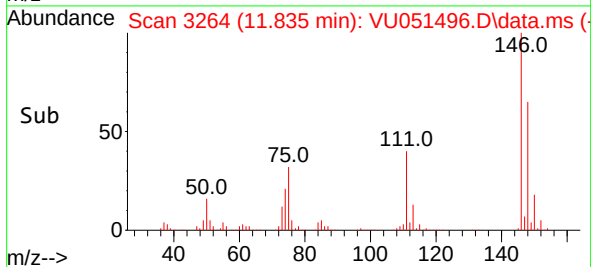
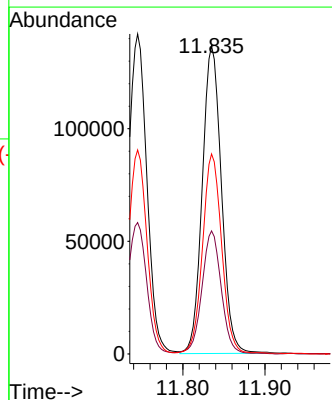
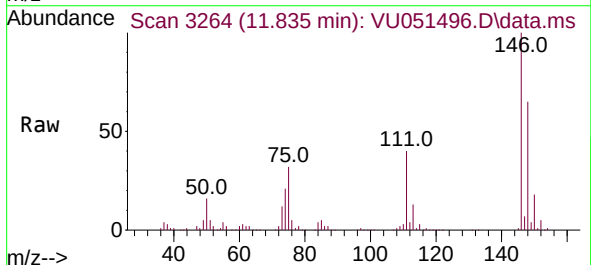
Instrument :
MSVOA_U
ClientSampleId :
VSTD005181

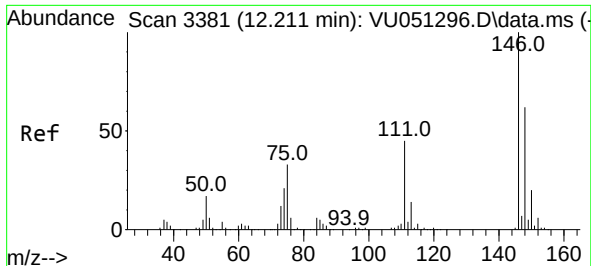
Tgt Ion:146 Resp: 227888
Ion Ratio Lower Upper
146 100
111 41.1 28.3 52.7
148 63.8 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 5.242 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU051496.D
Acq: 26 Oct 2022 11:27

Tgt Ion:146 Resp: 221394
Ion Ratio Lower Upper
146 100
111 39.9 29.1 54.1
148 64.9 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 5.112 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

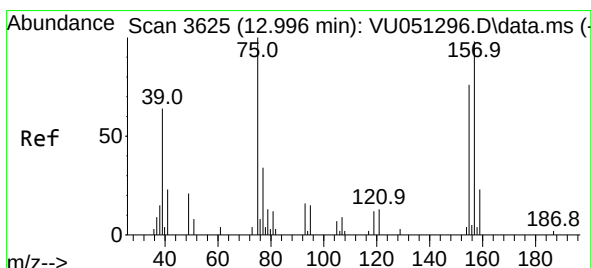
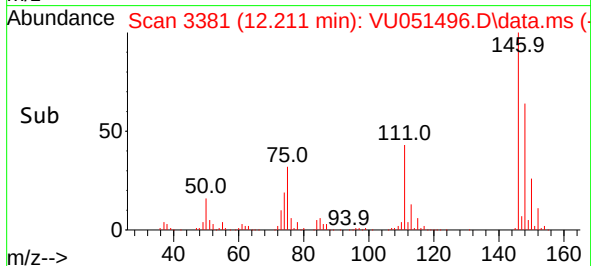
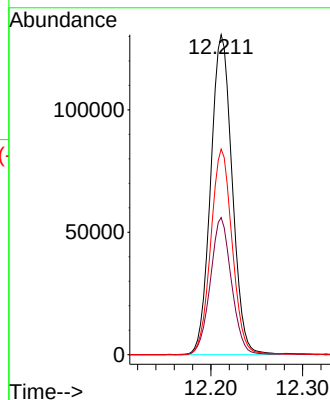
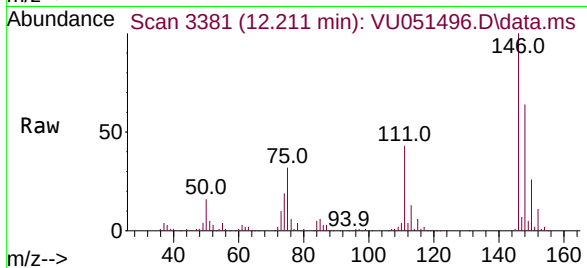
Tgt Ion:146 Resp: 212946

Ion Ratio Lower Upper

146 100

111 42.9 35.5 53.3

148 64.2 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.011 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

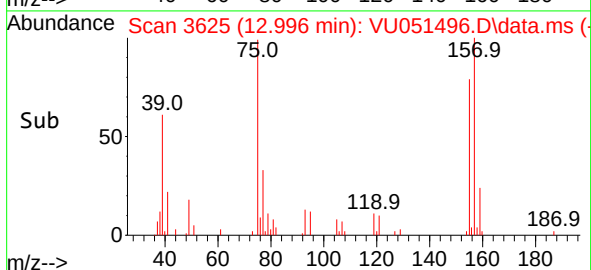
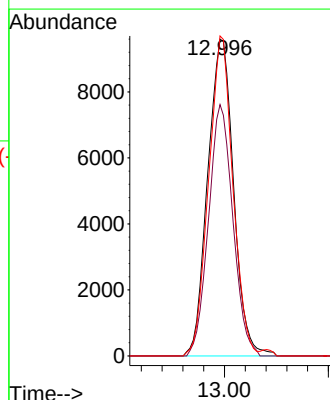
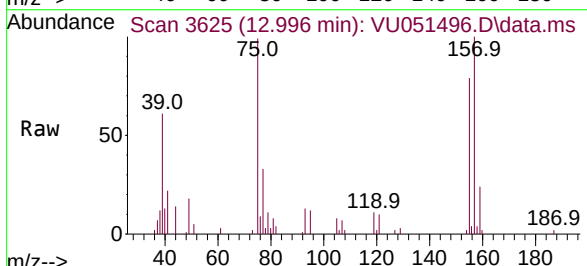
Tgt Ion: 75 Resp: 16552

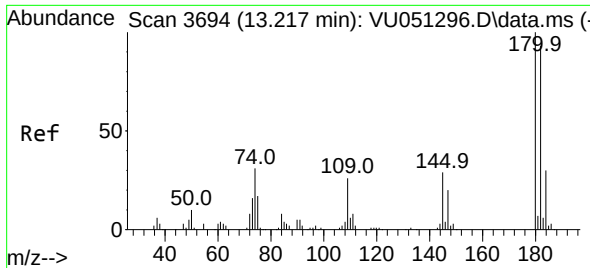
Ion Ratio Lower Upper

75 100

155 79.3 62.7 94.1

157 101.0 78.3 117.5

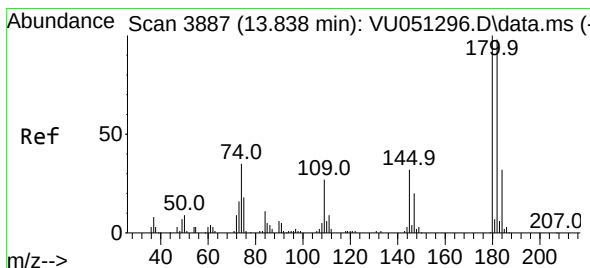
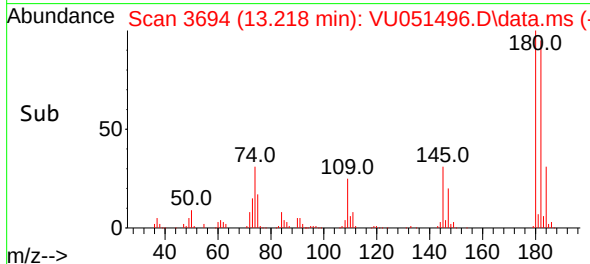
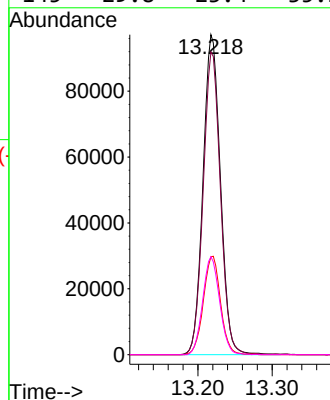
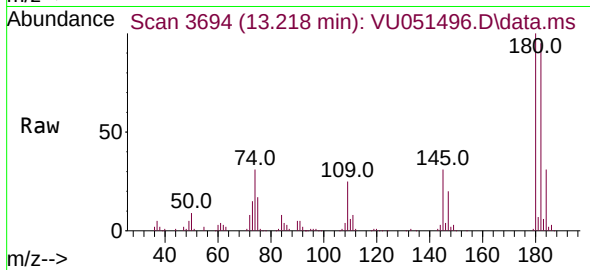




#69
 1,3,5-Trichlorobenzene
 Concen: 5.345 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051496.D
 Acq: 26 Oct 2022 11:27

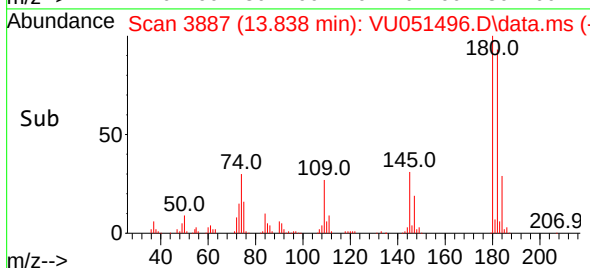
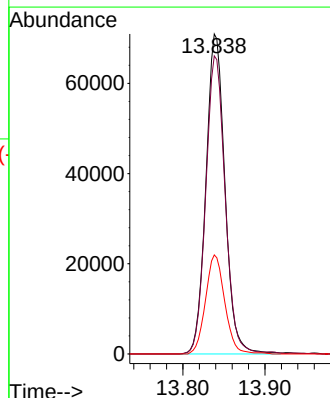
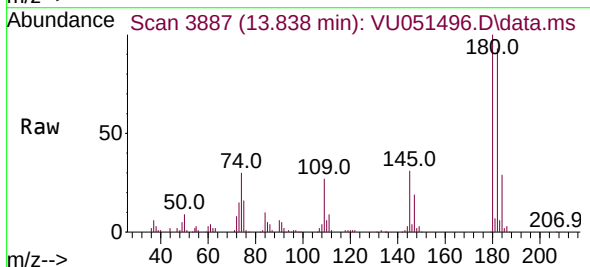
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005181

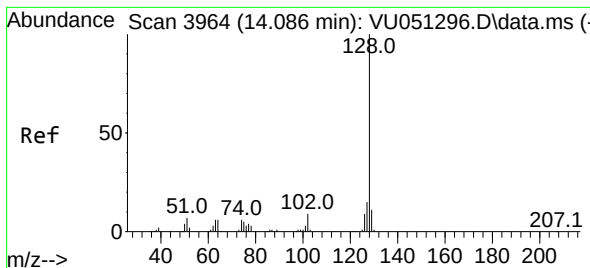
Tgt Ion:	180	Resp:	157855
Ion Ratio	Lower	Upper	
180	100		
182	93.9	77.7	116.5
184	30.3	23.6	35.4
145	29.8	23.4	35.2



#70
 1,2,4-trichlorobenzene
 Concen: 5.435 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051496.D
 Acq: 26 Oct 2022 11:27

Tgt Ion:	180	Resp:	114092
Ion Ratio	Lower	Upper	
180	100		
182	94.7	78.7	118.1
145	31.4	25.0	37.4





#71

Naphthalene

Concen: 5.020 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD005181

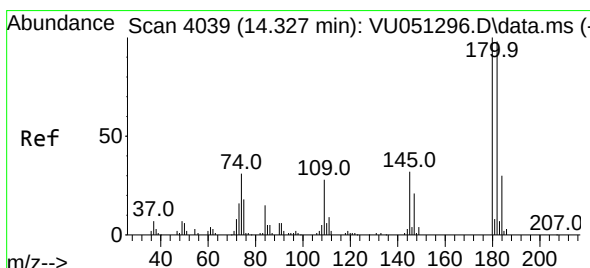
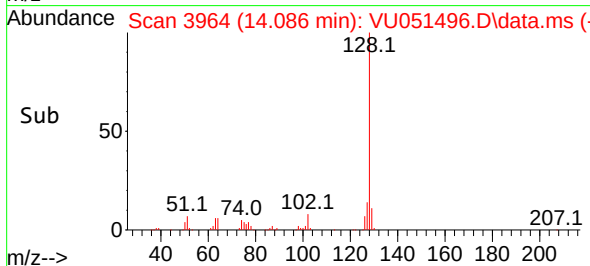
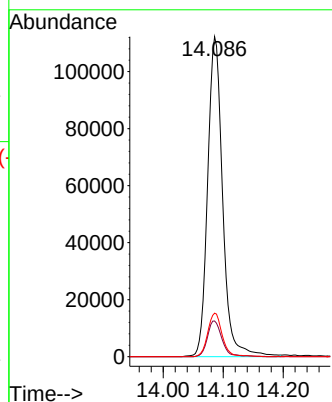
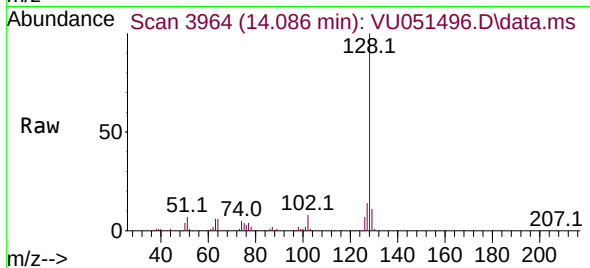
Tgt Ion:128 Resp: 195861

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

127 13.1 11.1 16.7



#72

1,2,3-Trichlorobenzene

Concen: 5.184 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.003 min

Lab File: VU051496.D

Acq: 26 Oct 2022 11:27

Tgt Ion:180 Resp: 112563

Ion Ratio Lower Upper

180 100

182 94.7 76.6 114.8

145 33.5 25.8 38.8

