

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032023\
 Data File : VU053296.D
 Acq On : 20 Mar 2023 10:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050167

Quant Time: Mar 21 01:23:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 18 04:29:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	121251	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	115415	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	56900	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	45870	41.006	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.020%
7) Chloroethane-d5	1.910	69	38082	42.088	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.180%
11) 1,1-Dichloroethene-d2	2.566	63	80513	41.549	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.100%
21) 2-Butanone-d5	4.611	46	56969	109.806	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.810%
24) Chloroform-d	5.057	84	87651	47.574	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.140%
26) 1,2-Dichloroethane-d4	5.694	65	56366	49.262	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.520%
32) Benzene-d6	5.723	84	174390	46.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.160%
36) 1,2-Dichloropropane-d6	6.684	67	59266	49.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.100%
41) Toluene-d8	7.893	98	160493	46.048	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.100%
43) trans-1,3-Dichloroprop...	8.176	79	27687	46.446	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.900%
47) 2-Hexanone-d5	8.626	63	42434	112.340	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.340%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	81176	51.865	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.740%
66) 1,2-Dichlorobenzene-d4	12.189	152	53783	48.816	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	54325	42.924	ug/L	100
3) Chloromethane	1.521	50	49765	42.673	ug/L	99
5) Vinyl chloride	1.604	62	56135	44.002	ug/L	99
6) Bromomethane	1.855	94	28414	37.053	ug/L	100
8) Chloroethane	1.932	64	32054	42.537	ug/L	95
9) Trichlorofluoromethane	2.138	101	67551	42.439	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	41473	43.073	ug/L	98
12) 1,1-Dichloroethene	2.578	96	36900	41.439	ug/L	97
13) Acetone	2.614	43	52242	88.413	ug/L	95
14) Carbon disulfide	2.791	76	112452	41.695	ug/L	99
15) Methyl Acetate	2.942	43	39675	48.987	ug/L	99
16) Methylene chloride	3.041	84	44459	41.156	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	39159	43.342	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	136161	44.818	ug/L	99
19) 1,1-Dichloroethane	3.865	63	81497	44.189	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	45778	43.138	ug/L	100
22) 2-Butanone	4.691	43	66041	98.103	ug/L	100
23) Bromochloromethane	4.971	128	21995	43.469	ug/L	94
25) Chloroform	5.083	83	82914	44.927	ug/L	100

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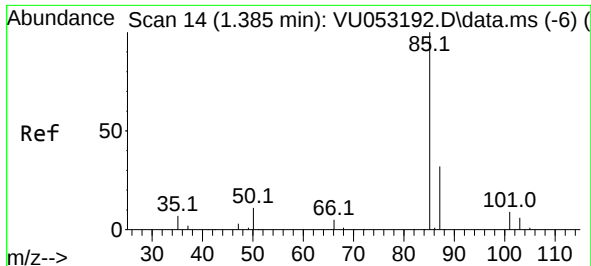
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	68372	46.931	ug/L	97
29) Cyclohexane	5.385	56	76076	44.237	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	68748	43.700	ug/L	97
31) Carbon tetrachloride	5.520	117	56977	44.208	ug/L	99
33) Benzene	5.768	78	187249	46.797	ug/L	100
34) Trichloroethene	6.536	95	46841	44.896	ug/L	98
35) Methylcyclohexane	6.758	83	83759	45.800	ug/L	98
37) 1,2-Dichloropropane	6.784	63	50595	45.322	ug/L	100
38) Bromodichloromethane	7.099	83	63643	45.810	ug/L	96
39) cis-1,3-Dichloropropene	7.601	75	85899	46.834	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	112128	97.720	ug/L	99
42) Toluene	7.964	91	198839	46.223	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	77589	46.279	ug/L	97
45) 1,1,2-Trichloroethane	8.395	97	46492	45.737	ug/L	99
46) Tetrachloroethene	8.549	164	30913	45.542	ug/L	96
48) 2-Hexanone	8.678	43	91726	95.463	ug/L	99
49) Dibromochloromethane	8.803	129	45222	43.490	ug/L	99
50) 1,2-Dibromoethane	8.919	107	50709	46.817	ug/L	98
51) Chlorobenzene	9.443	112	125028	46.634	ug/L	99
52) Ethylbenzene	9.565	91	226103	46.349	ug/L	98
53) m,p-Xylene	9.691	106	82754	45.450	ug/L	99
54) o-Xylene	10.096	106	82980	46.079	ug/L	100
55) Styrene	10.109	104	140201	46.713	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	80421	48.255	ug/L	97
59) Bromoform	10.286	173	30512	47.121	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	62202	55.014	ug/L	97
61) Isopropylbenzene	10.478	105	221767	49.328	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	181368	48.737	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	175457	48.371	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	89336	47.381	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	90968	48.059	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	88923	47.186	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	16711	53.448	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	56314	47.109	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	50802	47.297	ug/L	99
71) Naphthalene	14.083	128	183880	50.791	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	47665	46.795	ug/L	97

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

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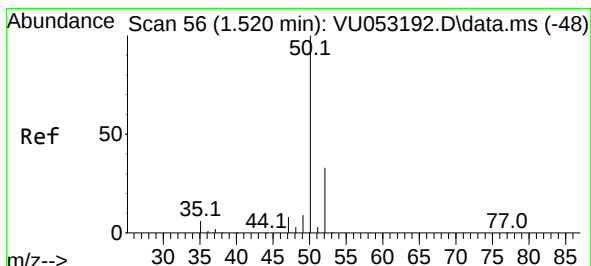
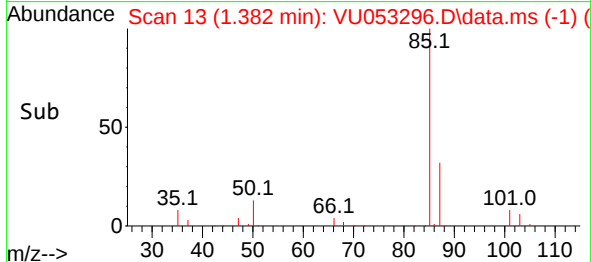
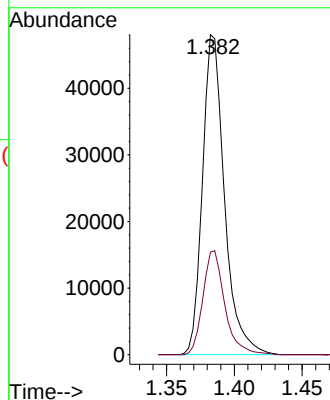
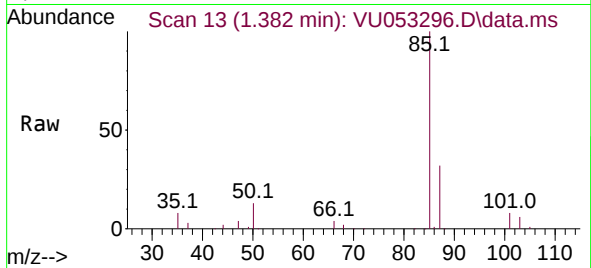




#2
 Dichlorodifluoromethane
 Concen: 42.924 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU053296.D
 Acq: 20 Mar 2023 10:06

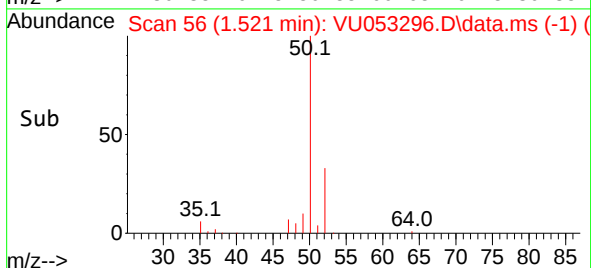
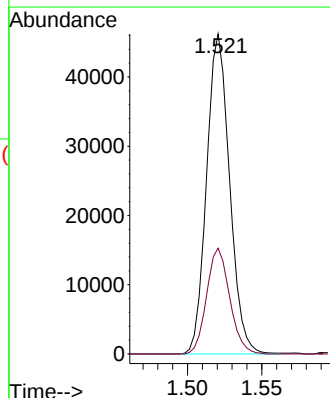
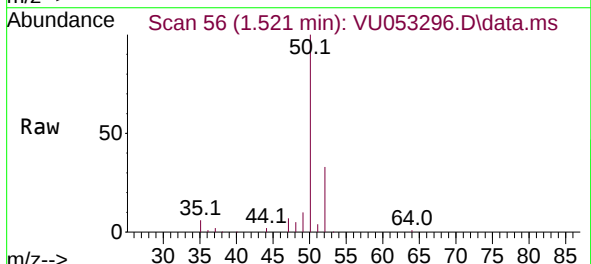
Instrument :
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 ClientSampleId :
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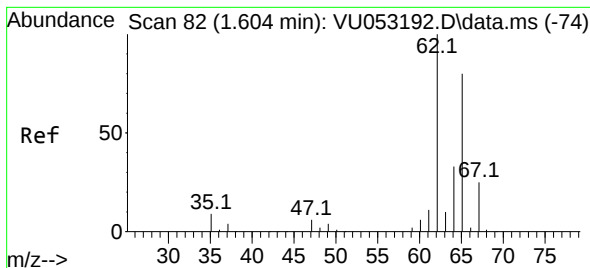
Tgt Ion: 85 Resp: 54325
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.8



#3
 Chloromethane
 Concen: 42.673 ug/L
 RT: 1.521 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU053296.D
 Acq: 20 Mar 2023 10:06

Tgt Ion: 50 Resp: 49765
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.4 43.4





#5

Vinyl chloride

Concen: 44.002 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

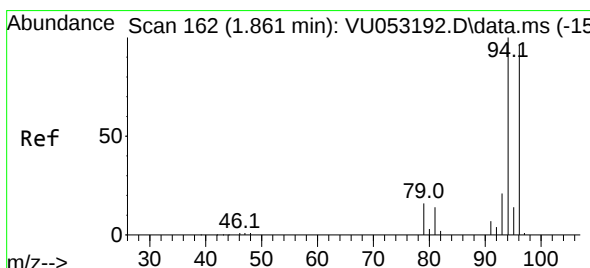
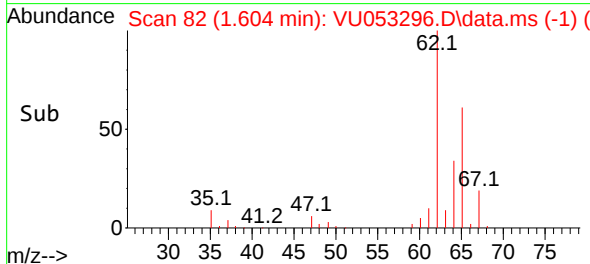
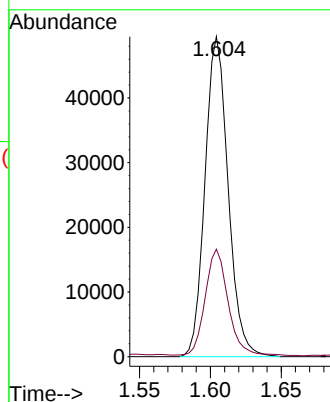
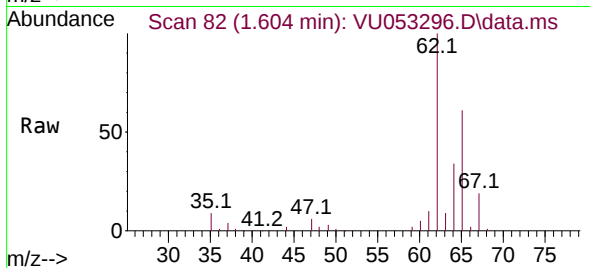
VSTD050167

Tgt Ion: 62 Resp: 56135

Ion Ratio Lower Upper

62 100

64 33.6 23.2 43.0



#6

Bromomethane

Concen: 37.053 ug/L

RT: 1.855 min Scan# 160

Delta R.T. 0.004 min

Lab File: VU053296.D

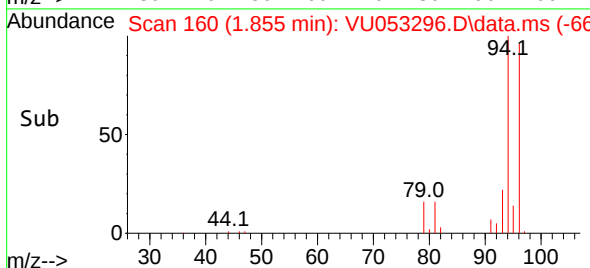
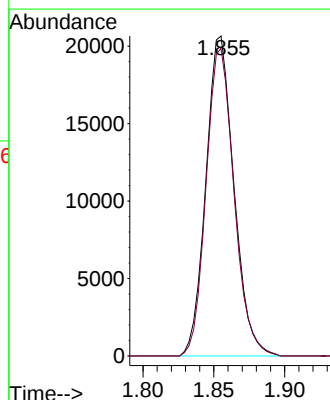
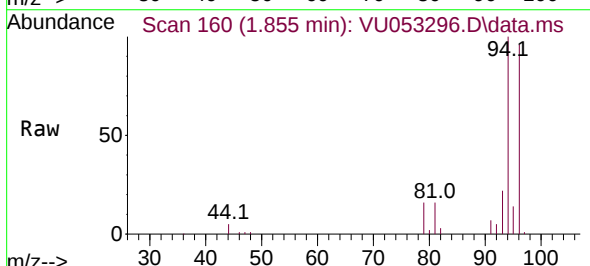
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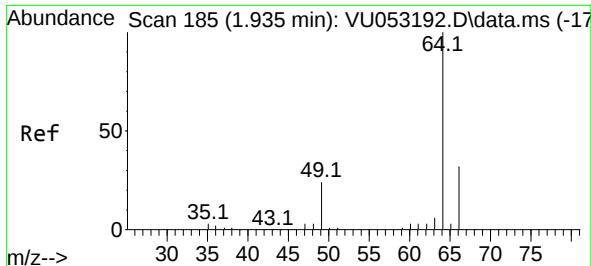
Tgt Ion: 94 Resp: 28414

Ion Ratio Lower Upper

94 100

96 96.1 67.5 125.3

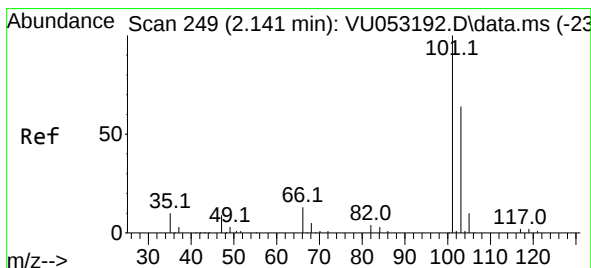
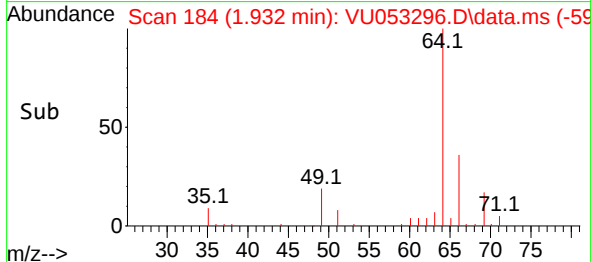
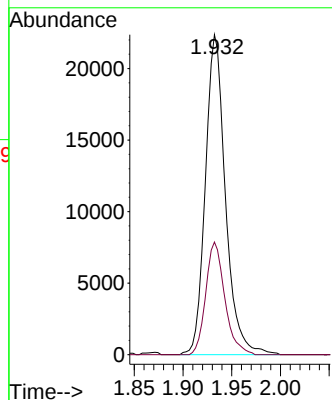
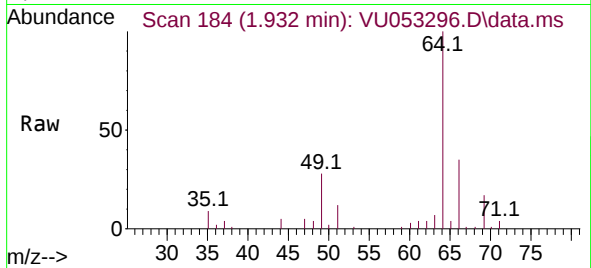




#8
Chloroethane
Concen: 42.537 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

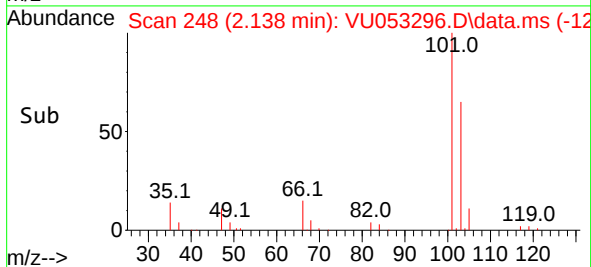
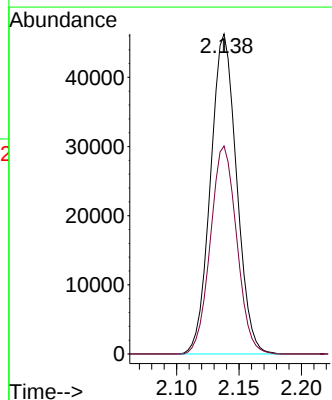
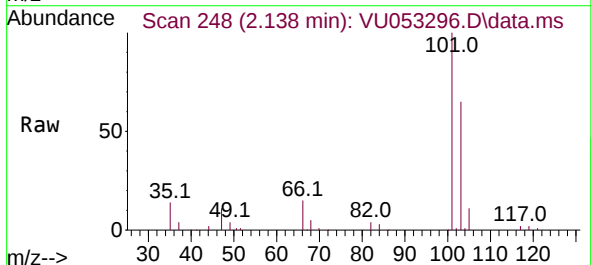
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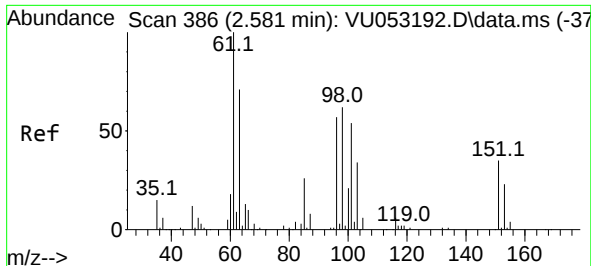
Tgt Ion: 64 Resp: 32054
Ion Ratio Lower Upper
64 100
66 35.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 42.439 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.004 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion:101 Resp: 67551
Ion Ratio Lower Upper
101 100
103 65.5 52.0 78.0

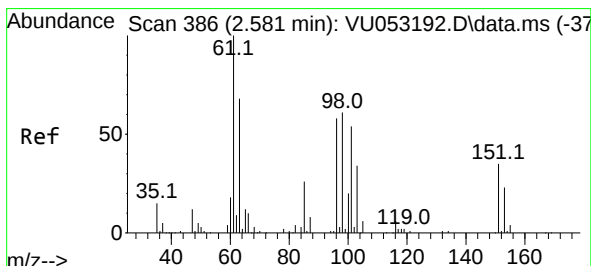
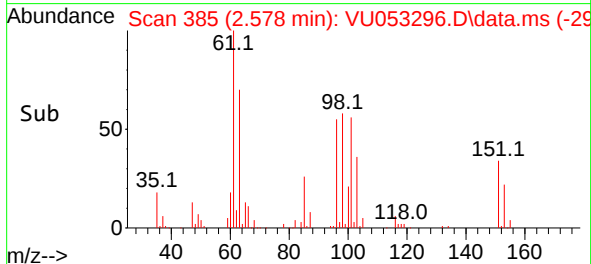
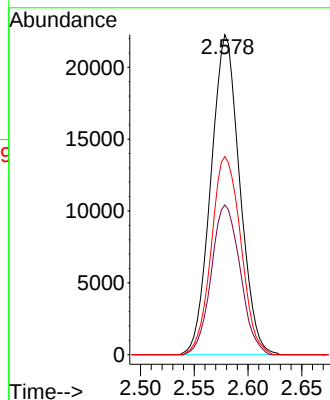
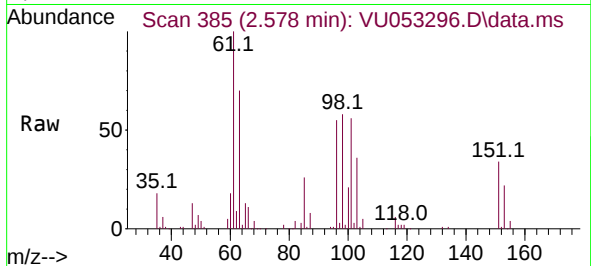




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.073 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

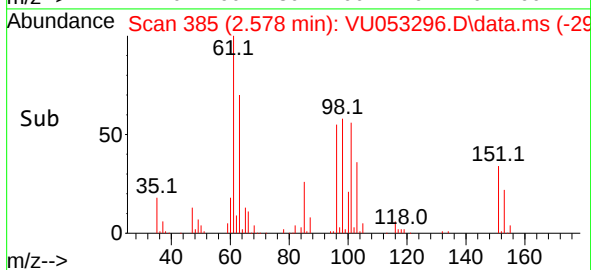
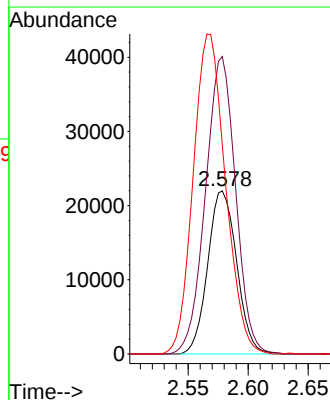
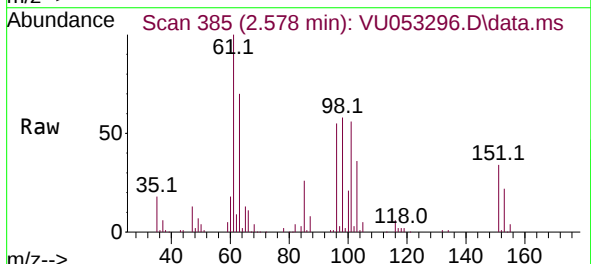
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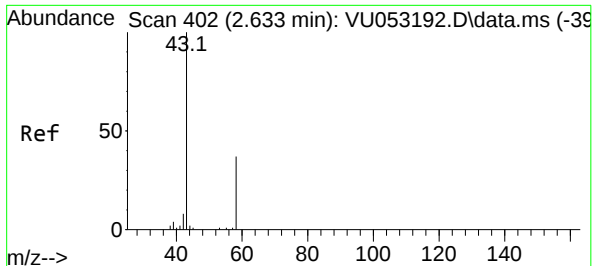
Tgt Ion:101 Resp: 41473
Ion Ratio Lower Upper
101 100
85 47.0 37.0 55.6
151 63.4 52.9 79.3



#12
1,1-Dichloroethene
Concen: 41.439 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion: 96 Resp: 36900
Ion Ratio Lower Upper
96 100
61 182.4 122.2 226.9
63 128.3 89.9 166.9





#13

Acetone

Concen: 88.413 ug/L

RT: 2.614 min Scan# 396

Delta R.T. -0.003 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

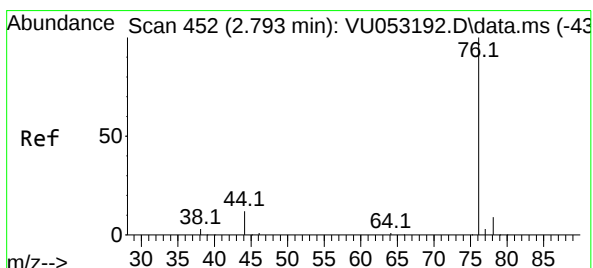
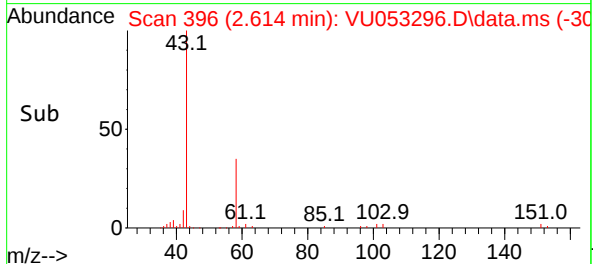
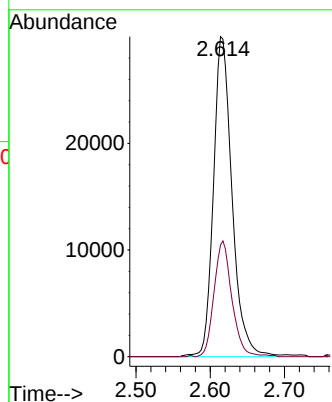
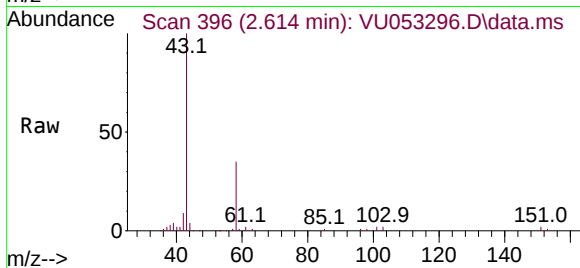
VSTD050167

Tgt Ion: 43 Resp: 52242

Ion Ratio Lower Upper

43 100

58 34.5 0.0 75.0



#14

Carbon disulfide

Concen: 41.695 ug/L

RT: 2.791 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053296.D

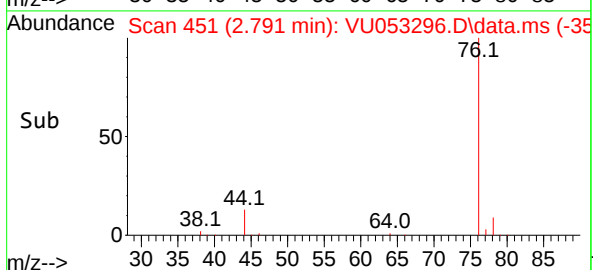
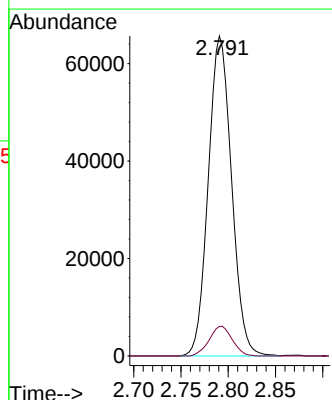
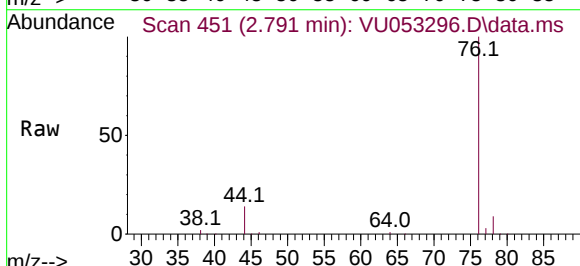
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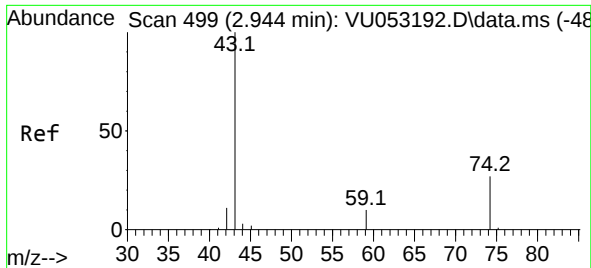
Tgt Ion: 76 Resp: 112452

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

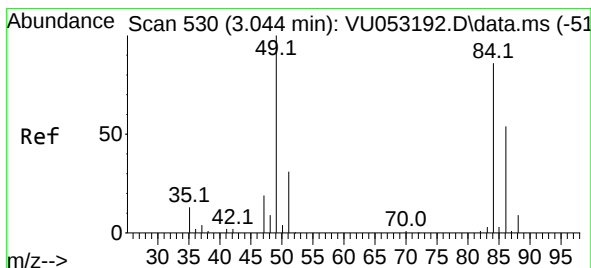
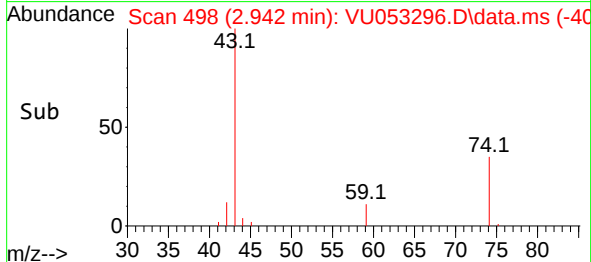
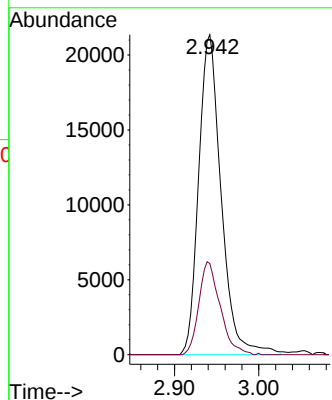
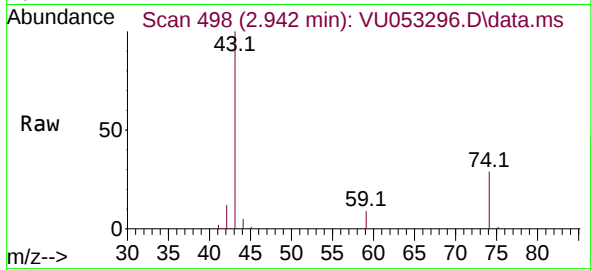




#15
Methyl Acetate
Concen: 48.987 ug/L
RT: 2.942 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

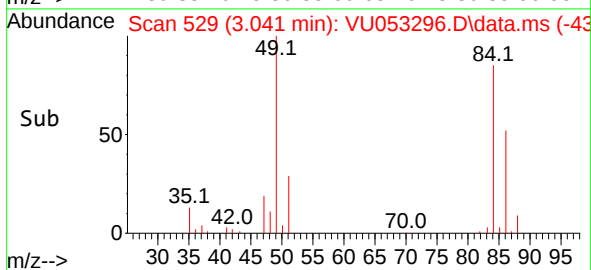
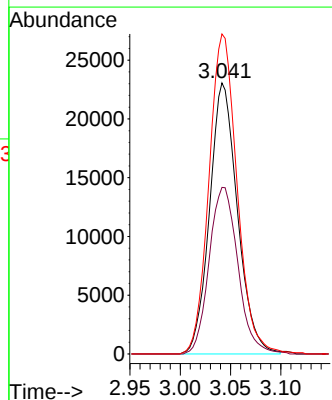
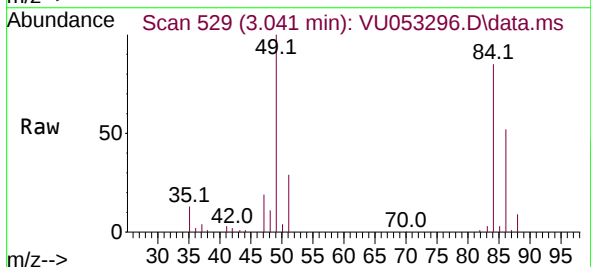
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

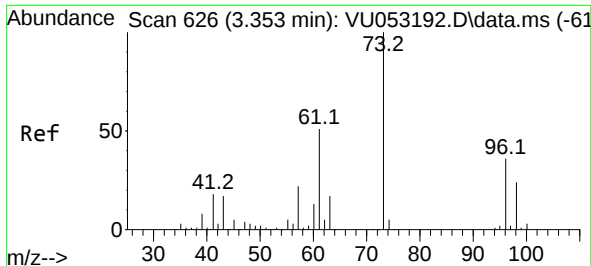
Tgt Ion: 43 Resp: 39675
Ion Ratio Lower Upper
43 100
74 27.4 21.4 32.0



#16
Methylene chloride
Concen: 41.156 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion: 84 Resp: 44459
Ion Ratio Lower Upper
84 100
86 61.5 44.4 82.4
49 118.1 81.6 151.6





#17

trans-1,2-Dichloroethene

Concen: 43.342 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.004 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050167

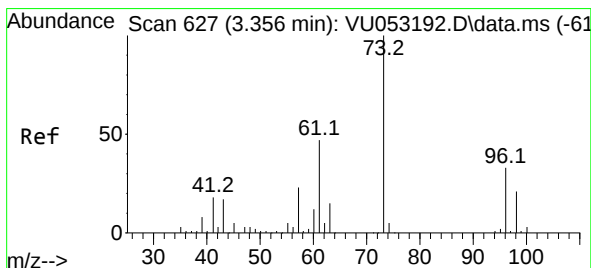
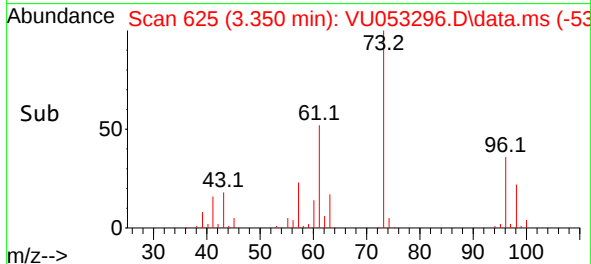
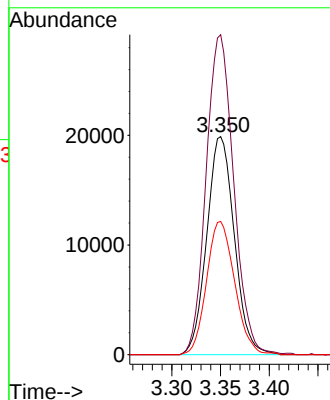
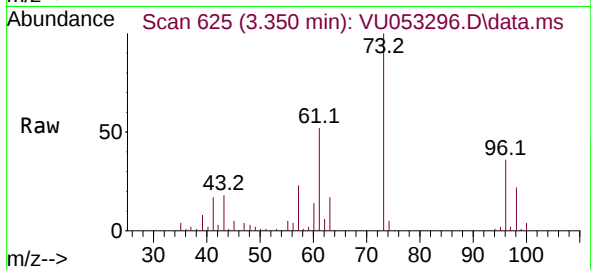
Tgt Ion: 96 Resp: 39159

Ion Ratio Lower Upper

96 100

61 146.7 99.6 185.0

98 61.1 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 44.818 ug/L

RT: 3.357 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

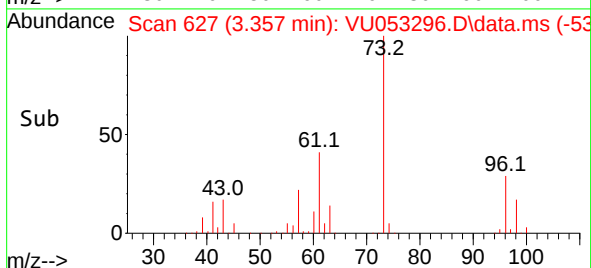
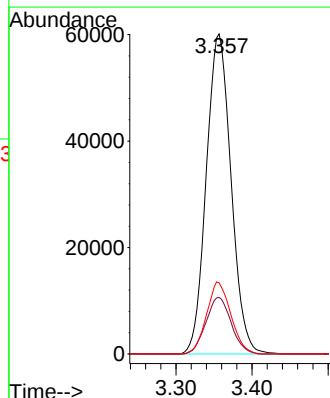
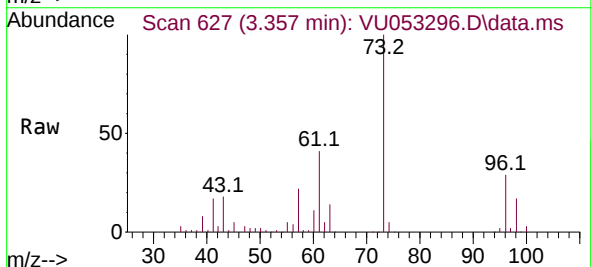
Tgt Ion: 73 Resp: 136161

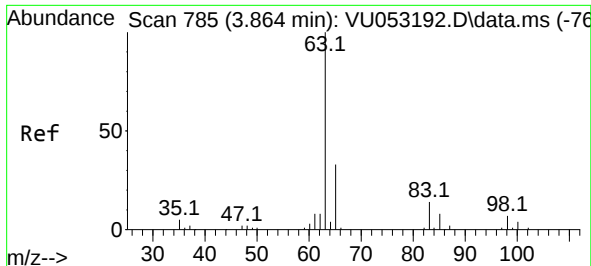
Ion Ratio Lower Upper

73 100

43 18.0 14.2 21.2

57 22.0 18.0 27.0





#19

1,1-Dichloroethane

Concen: 44.189 ug/L

RT: 3.865 min Scan# 785

Delta R.T. 0.004 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050167

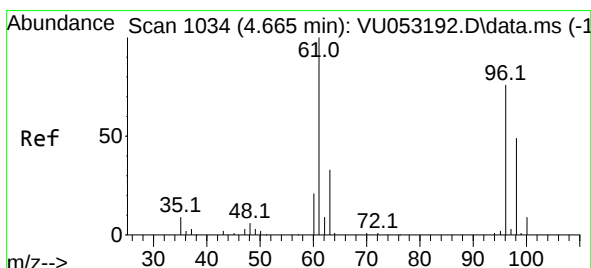
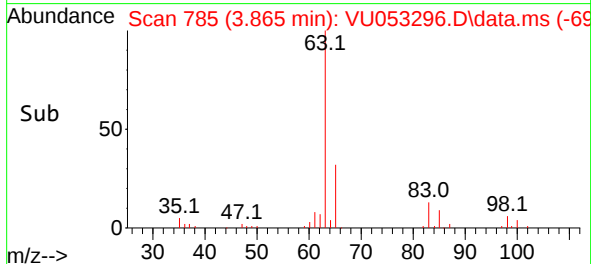
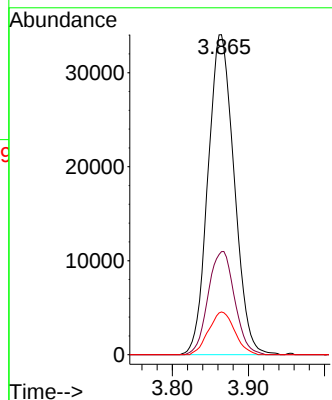
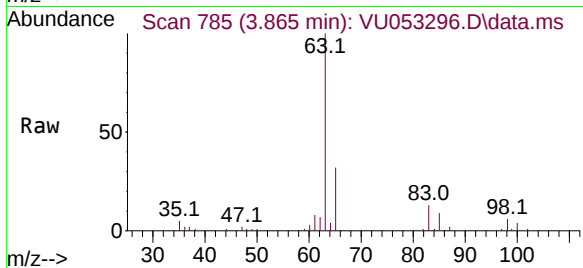
Tgt Ion: 63 Resp: 81497

Ion Ratio Lower Upper

63 100

65 32.2 22.8 42.4

83 13.3 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 43.138 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

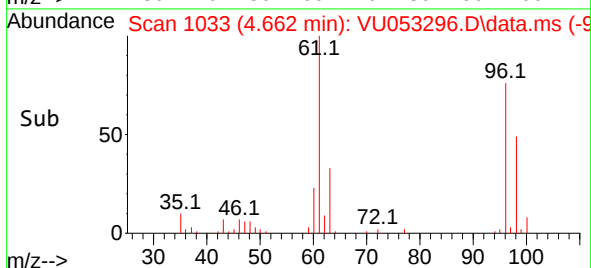
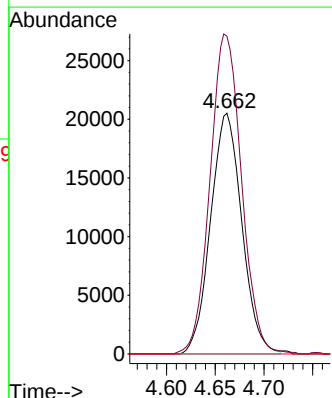
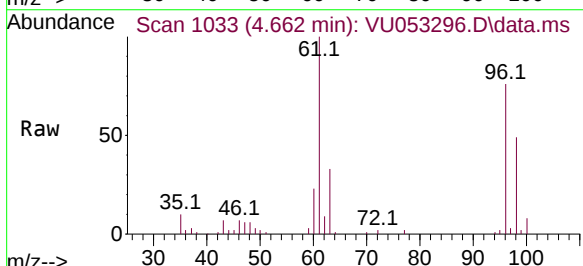
Tgt Ion: 96 Resp: 45778

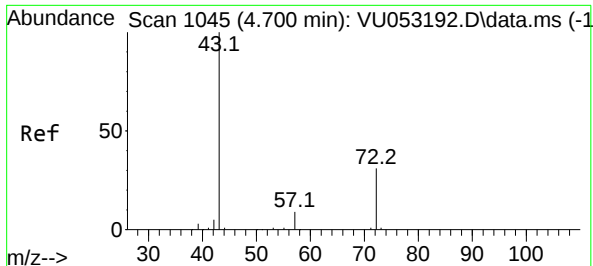
Ion Ratio Lower Upper

96 100

61 131.9 92.5 171.7

68 0.0 0.0 0.0

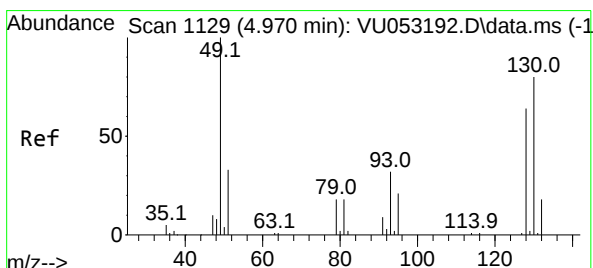
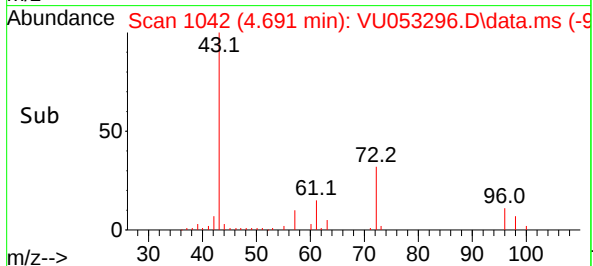
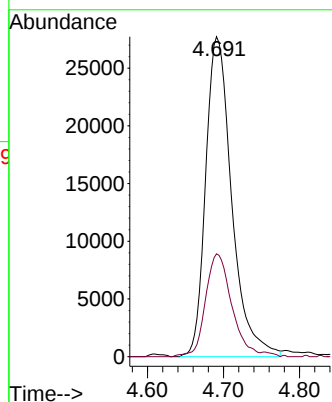
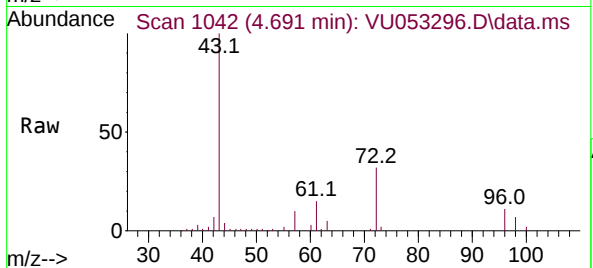




#22
2-Butanone
Concen: 98.103 ug/L
RT: 4.691 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

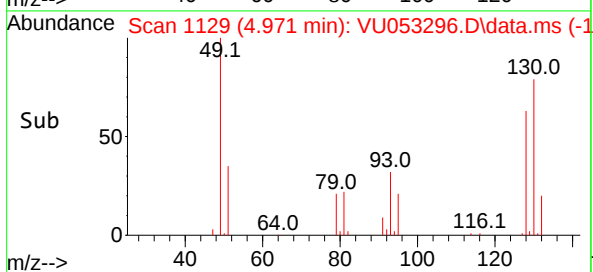
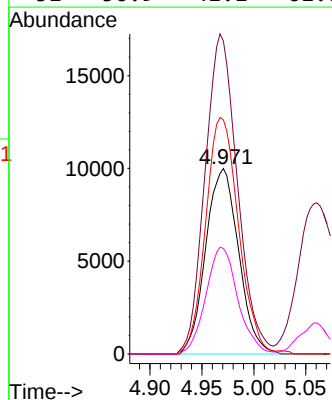
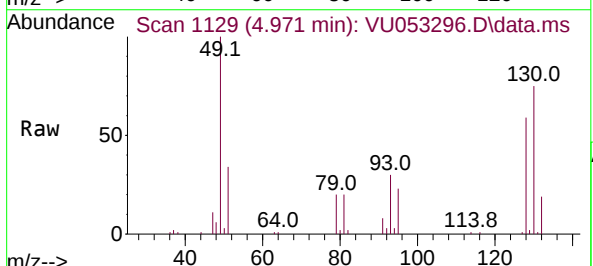
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

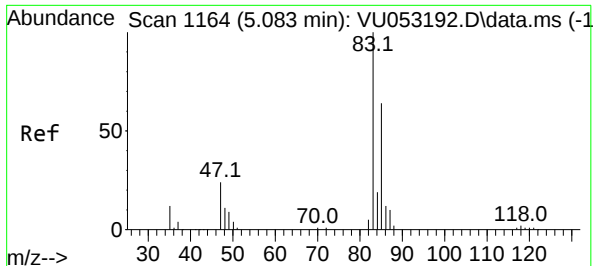
Tgt Ion: 43 Resp: 66041
Ion Ratio Lower Upper
43 100
72 32.0 16.0 47.9



#23
Bromochloromethane
Concen: 43.469 ug/L
RT: 4.971 min Scan# 1129
Delta R.T. 0.004 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion:128 Resp: 21995
Ion Ratio Lower Upper
128 100
49 168.7 109.9 204.1
130 126.2 87.2 161.9
51 56.9 41.1 61.7





#25

Chloroform

Concen: 44.927 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

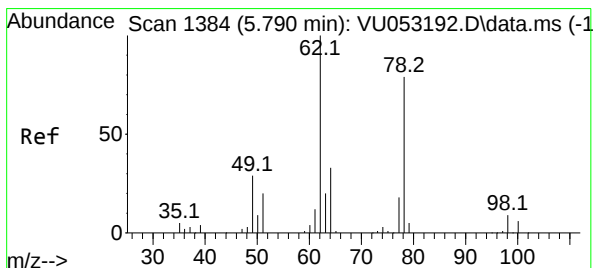
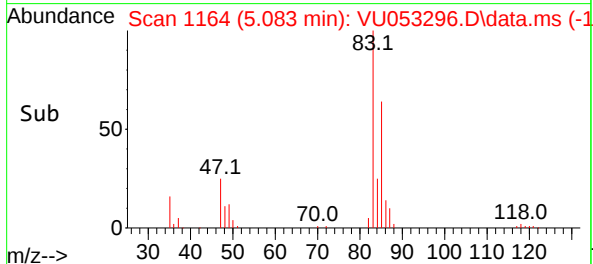
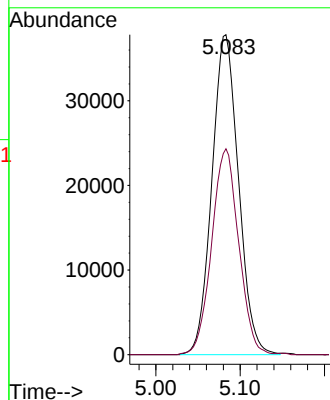
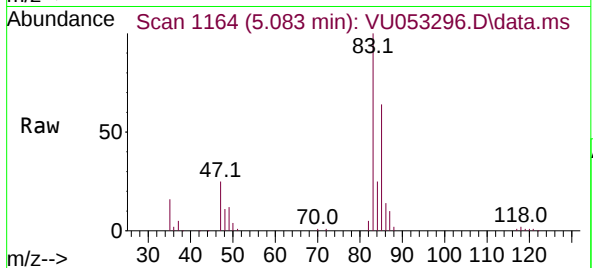
VSTD050167

Tgt Ion: 83 Resp: 82914

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.3



#27

1,2-Dichloroethane

Concen: 46.931 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VU053296.D

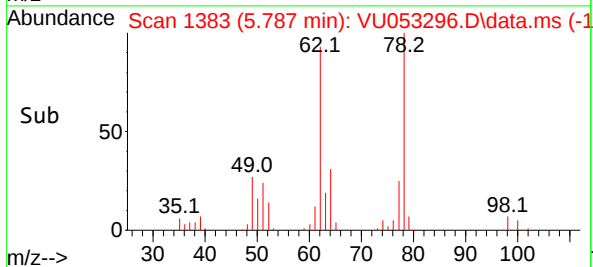
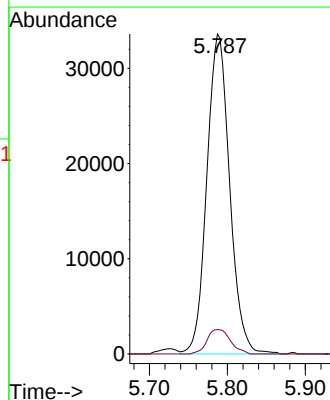
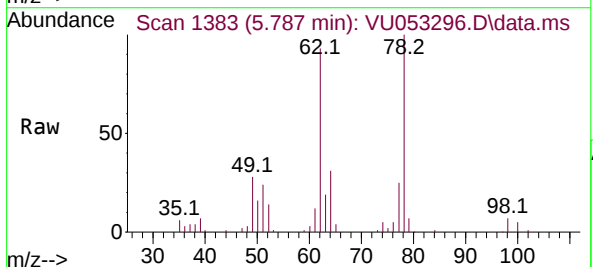
Acq: 20 Mar 2023 10:06

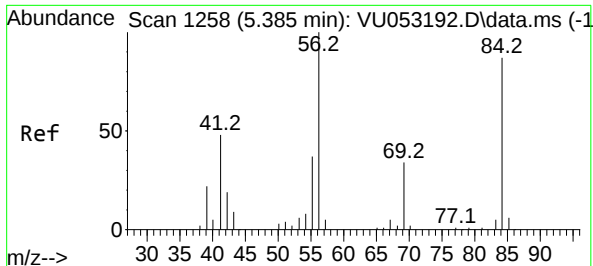
Tgt Ion: 62 Resp: 68372

Ion Ratio Lower Upper

62 100

98 7.6 7.0 10.6





#29

Cyclohexane

Concen: 44.237 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.004 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050167

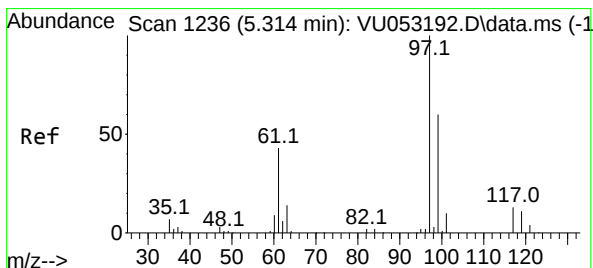
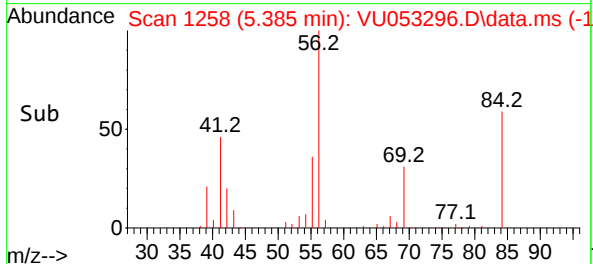
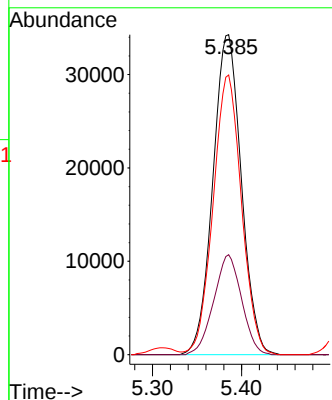
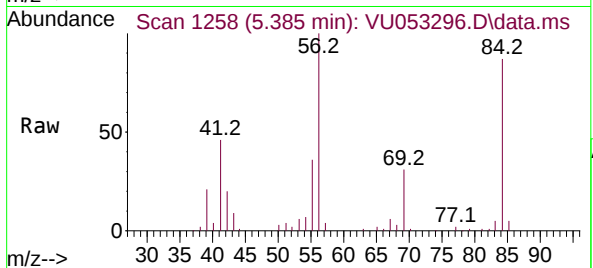
Tgt Ion: 56 Resp: 76076

Ion Ratio Lower Upper

56 100

69 30.6 25.4 38.0

84 87.1 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 43.700 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

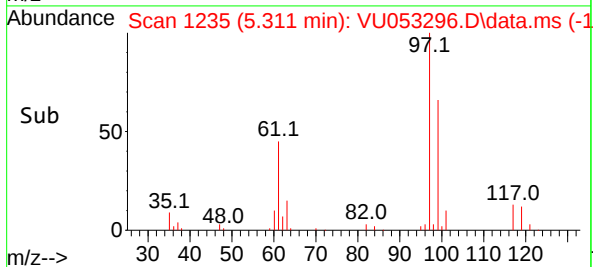
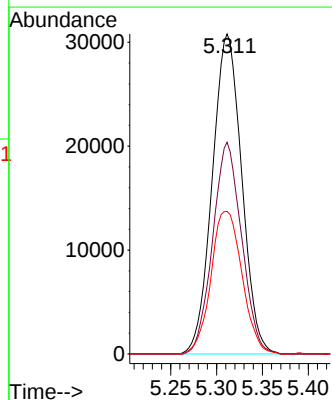
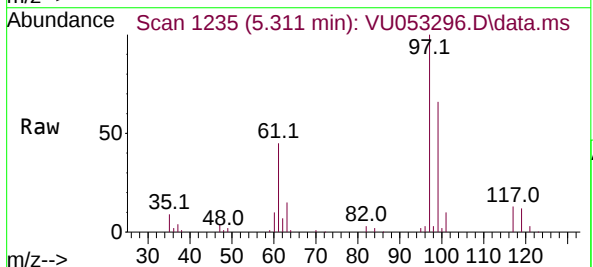
Tgt Ion: 97 Resp: 68748

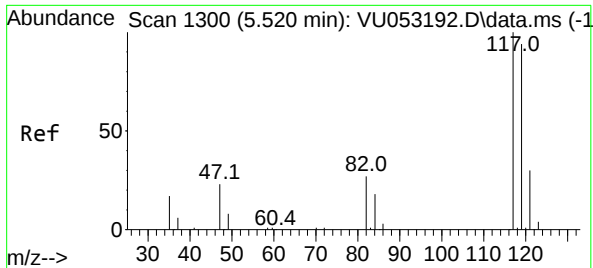
Ion Ratio Lower Upper

97 100

99 64.9 50.6 76.0

61 47.1 36.0 54.0

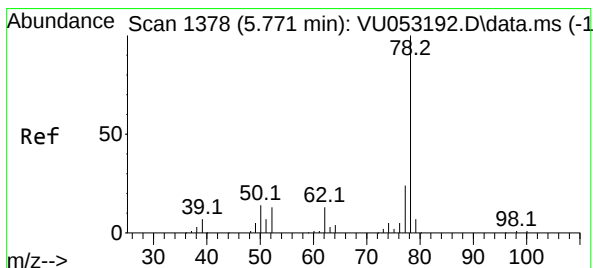
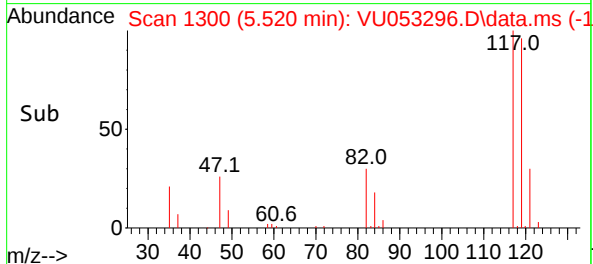
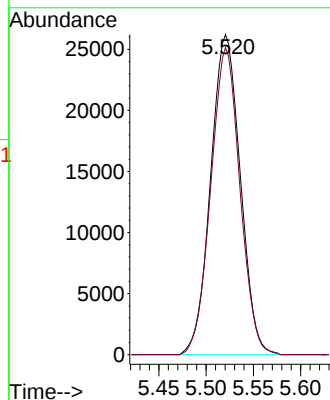
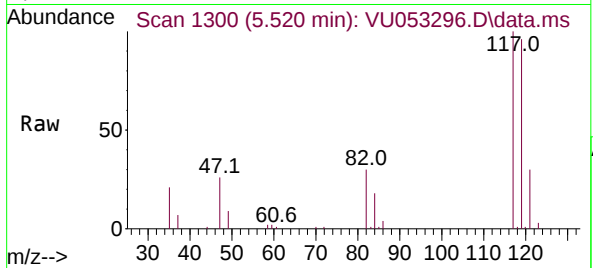




#31
Carbon tetrachloride
Concen: 44.208 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

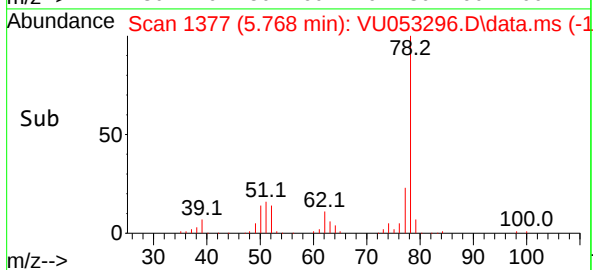
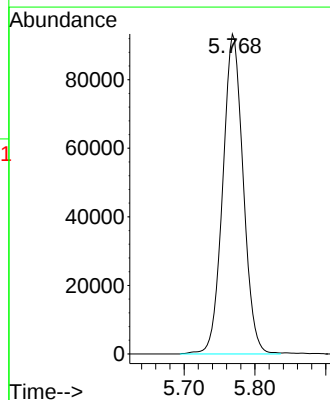
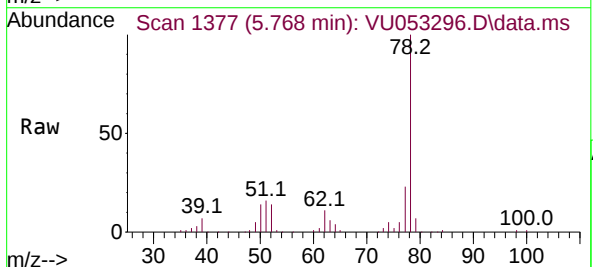
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

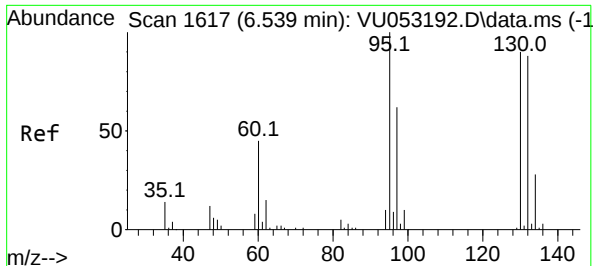
Tgt Ion:117 Resp: 56977
Ion Ratio Lower Upper
117 100
119 94.5 76.2 114.2



#33
Benzene
Concen: 46.797 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion: 78 Resp: 187249

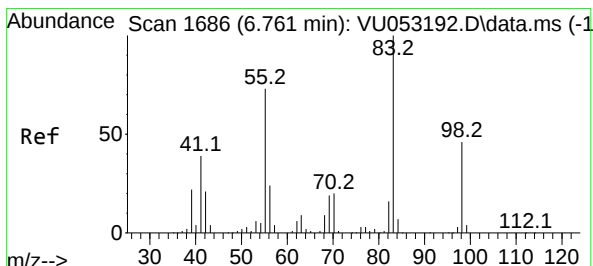
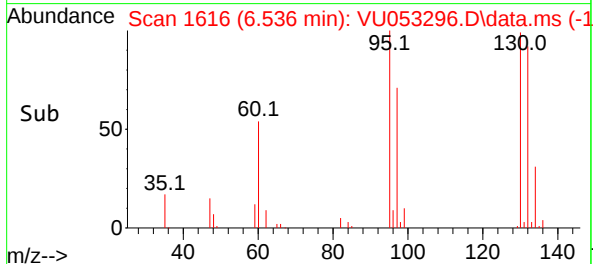
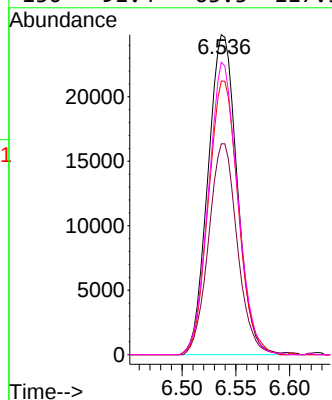
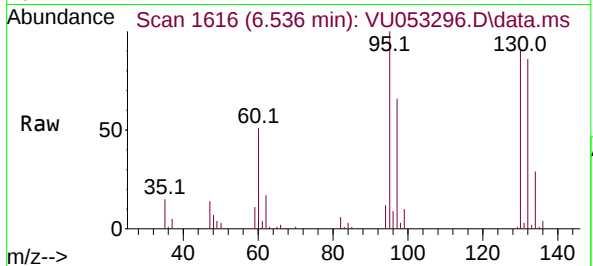




#34
Trichloroethene
Concen: 44.896 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

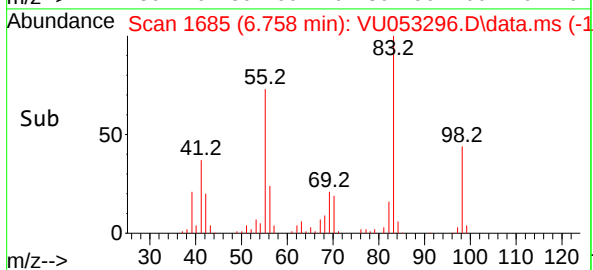
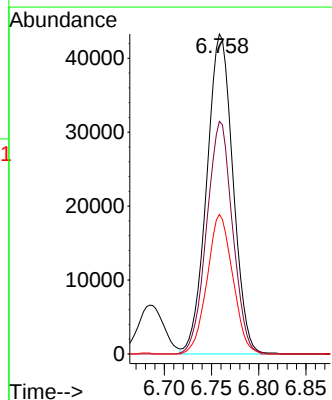
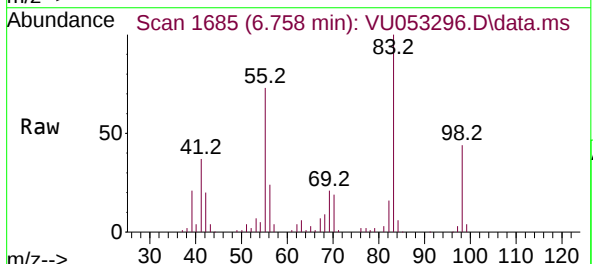
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

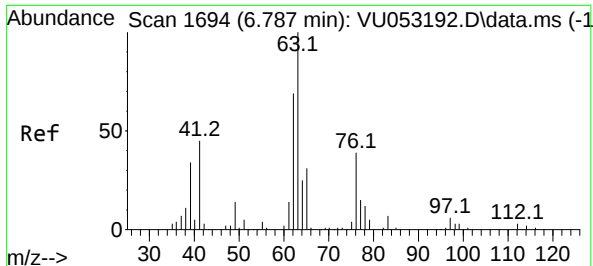
Tgt Ion: 95 Resp: 46841
Ion Ratio Lower Upper
95 100
97 65.9 43.8 81.3
132 85.6 61.5 114.3
130 91.4 63.3 117.5



#35
Methylcyclohexane
Concen: 45.800 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion: 83 Resp: 83759
Ion Ratio Lower Upper
83 100
55 71.6 58.2 87.4
98 42.4 35.4 53.2

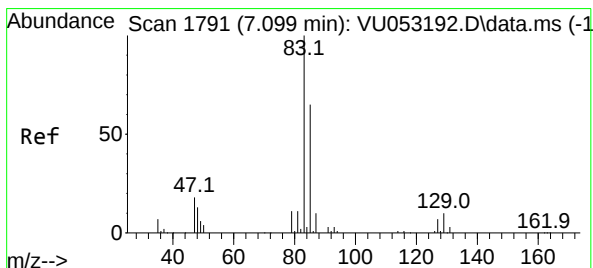
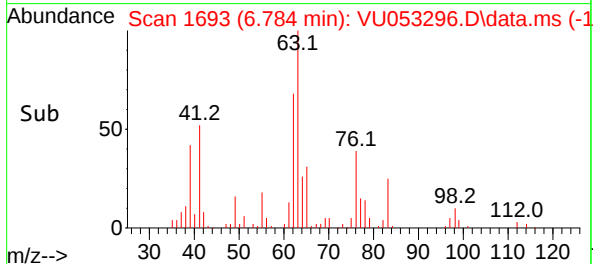
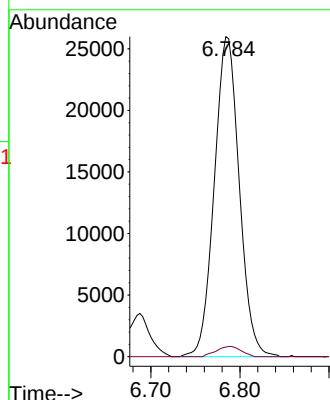
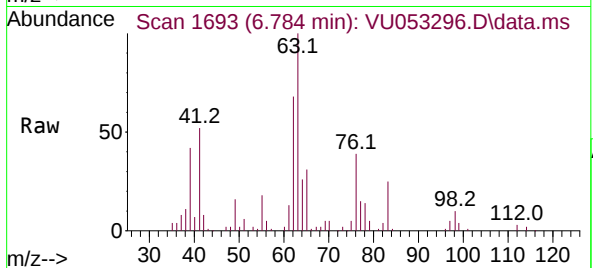




#37
1,2-Dichloropropane
Concen: 45.322 ug/L
RT: 6.784 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

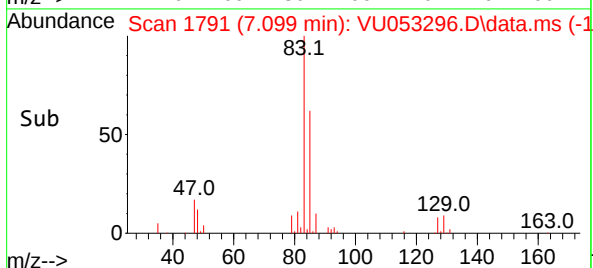
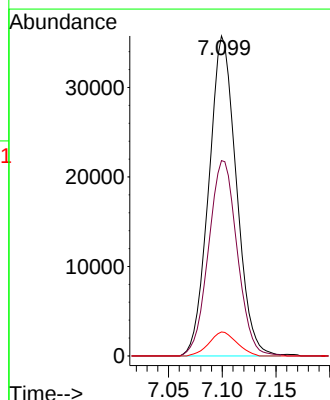
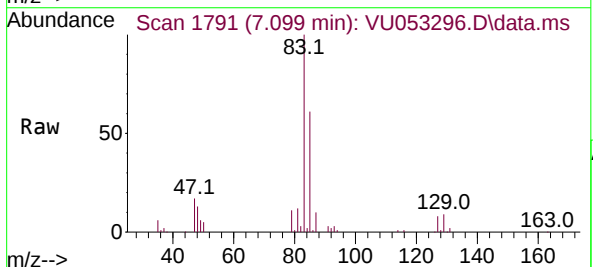
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

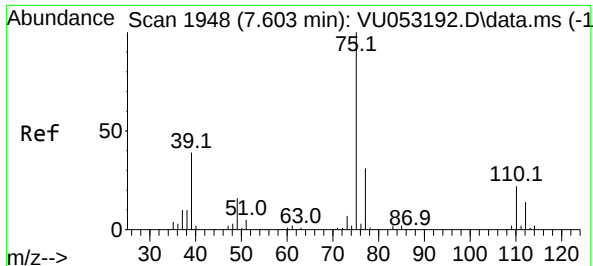
Tgt Ion: 63 Resp: 50595
Ion Ratio Lower Upper
63 100
112 3.2 2.6 3.8



#38
Bromodichloromethane
Concen: 45.810 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion: 83 Resp: 63643
Ion Ratio Lower Upper
83 100
85 61.0 45.4 84.2
127 7.5 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 46.834 ug/L

RT: 7.601 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

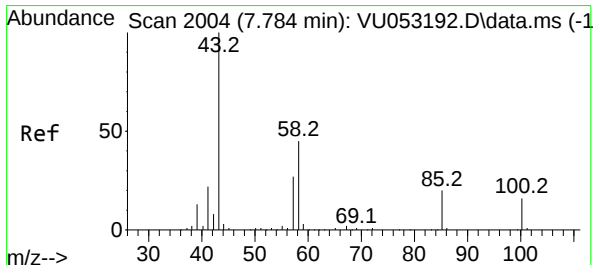
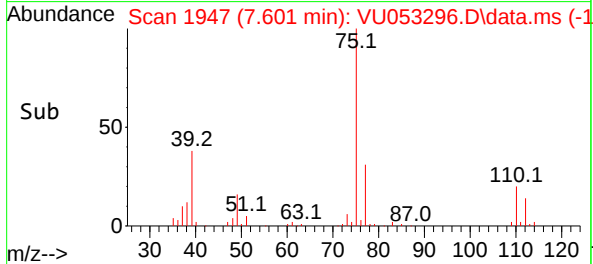
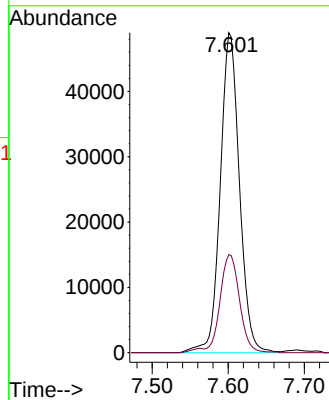
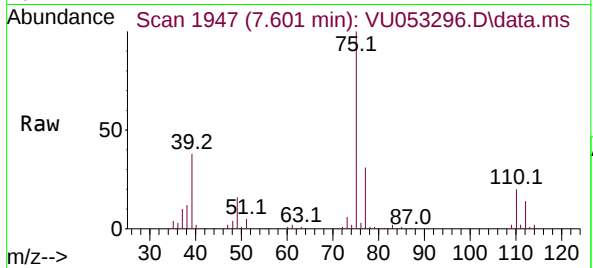
VSTD050167

Tgt Ion: 75 Resp: 85899

Ion Ratio Lower Upper

75 100

77 30.7 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 97.720 ug/L

RT: 7.784 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

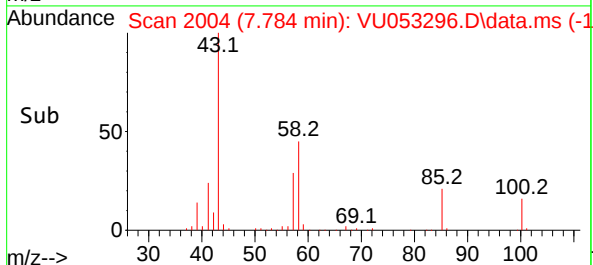
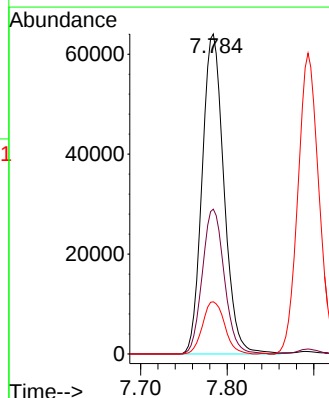
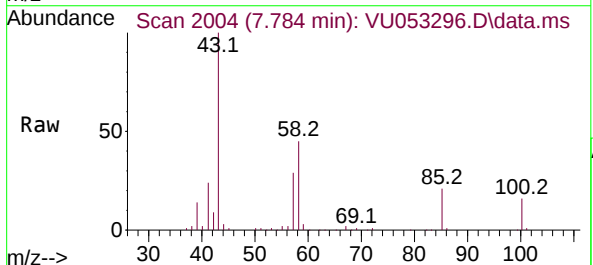
Tgt Ion: 43 Resp: 112128

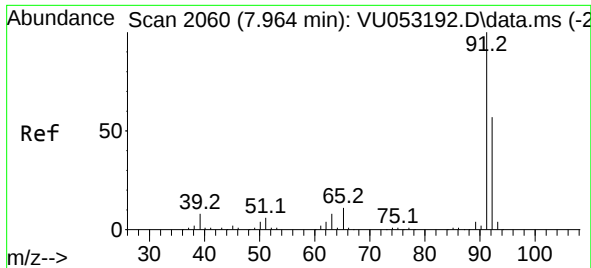
Ion Ratio Lower Upper

43 100

58 45.7 35.8 53.6

100 16.5 13.0 19.6





#42

Toluene

Concen: 46.223 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

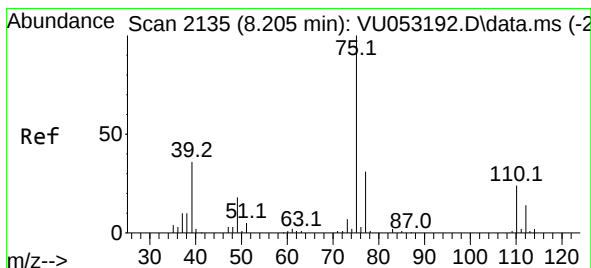
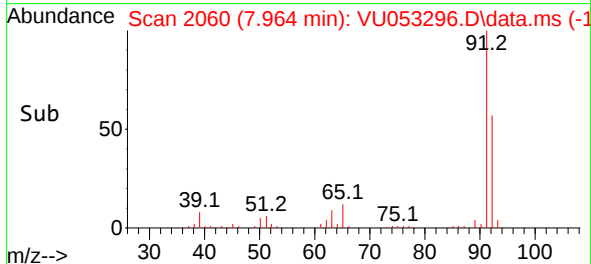
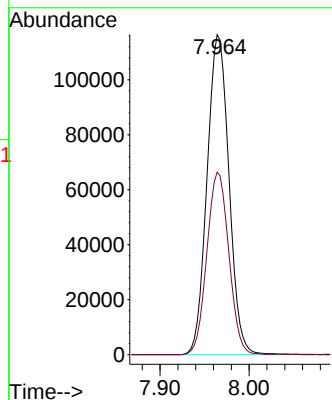
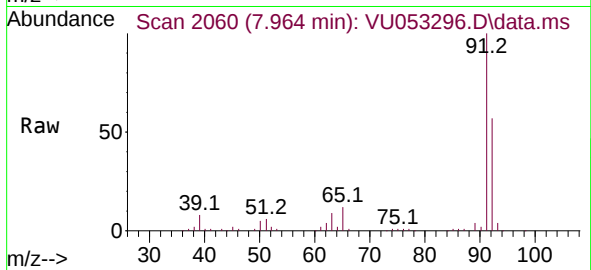
VSTD050167

Tgt Ion: 91 Resp: 198839

Ion Ratio Lower Upper

91 100

92 57.0 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 46.279 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053296.D

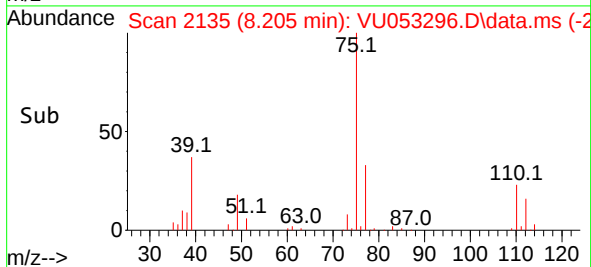
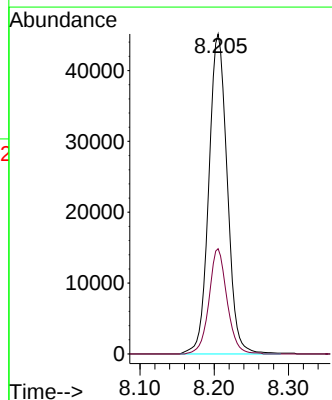
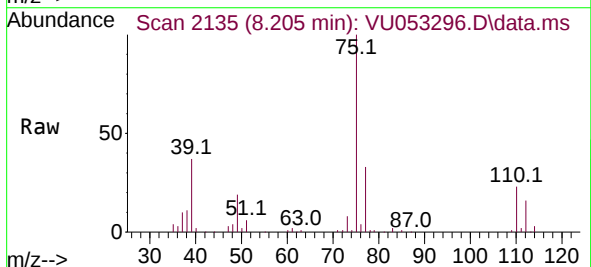
Acq: 20 Mar 2023 10:06

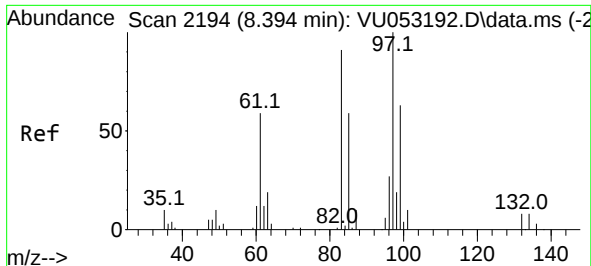
Tgt Ion: 75 Resp: 77589

Ion Ratio Lower Upper

75 100

77 32.9 22.0 40.8

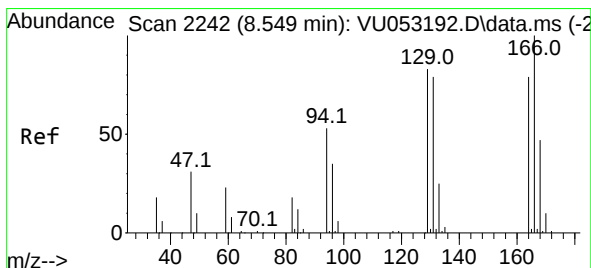
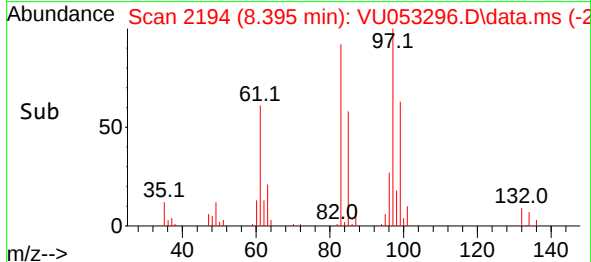
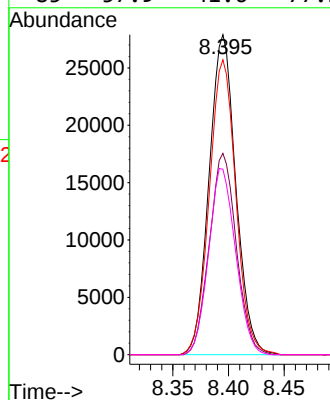
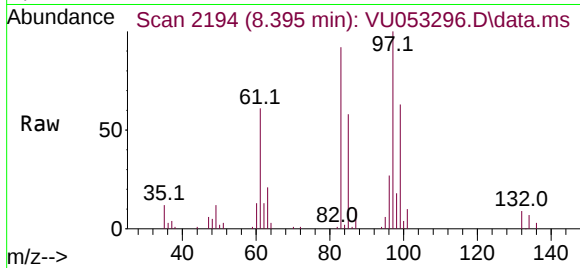




#45
1,1,2-Trichloroethane
Concen: 45.737 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

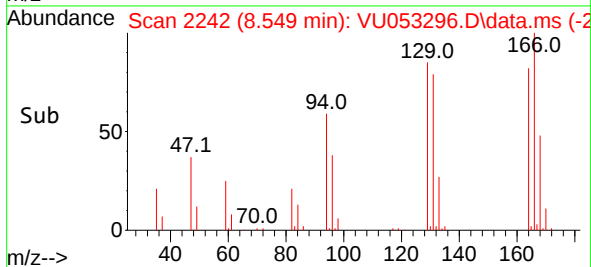
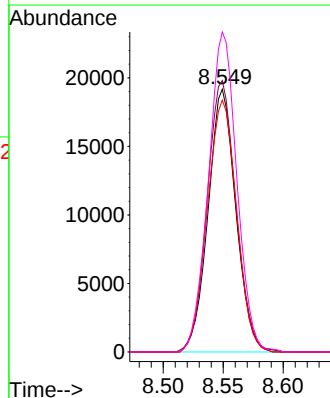
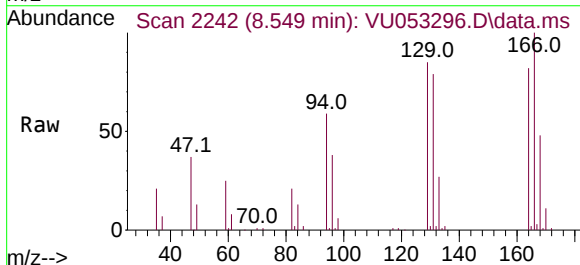
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

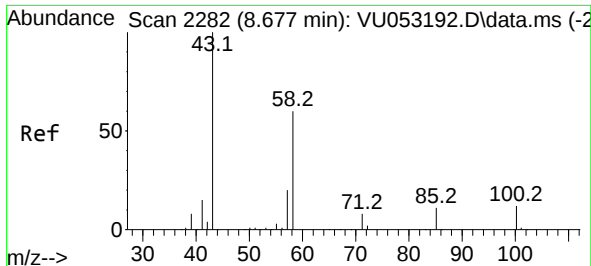
Tgt Ion:	97	Resp:	46492
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.4	82.4
83	92.1	63.8	118.6
85	57.9	41.6	77.2



#46
Tetrachloroethene
Concen: 45.542 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion:	164	Resp:	30913
Ion	Ratio	Lower	Upper
164	100		
129	103.3	73.6	136.8
131	95.9	70.3	130.7
166	121.8	88.9	165.1

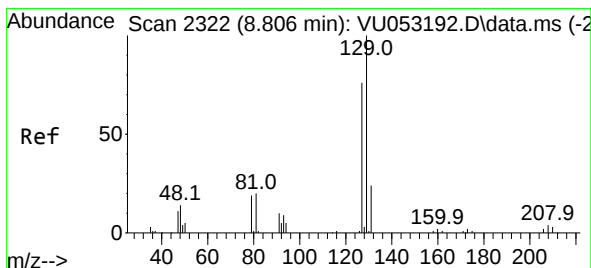
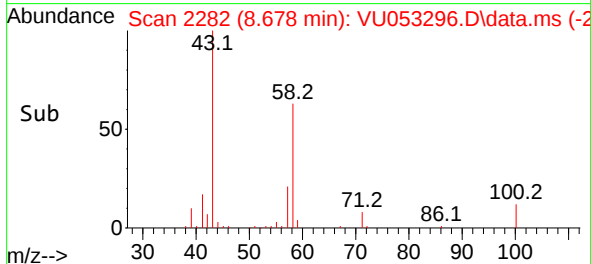
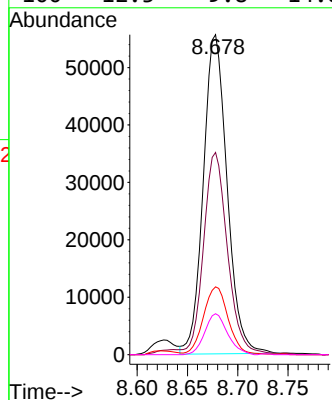
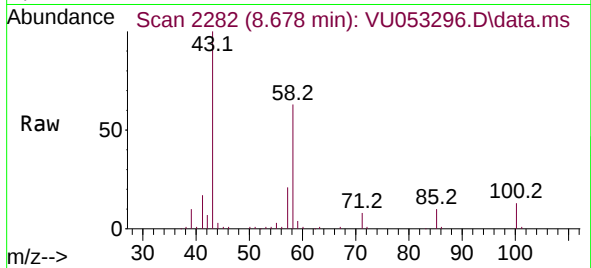




#48
2-Hexanone
Concen: 95.463 ug/L
RT: 8.678 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

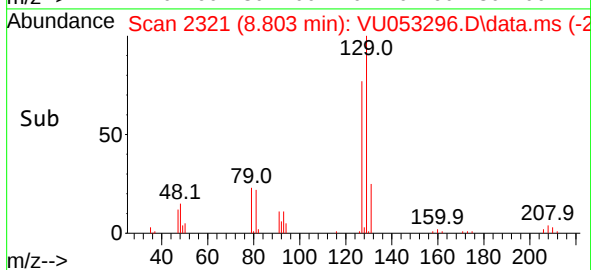
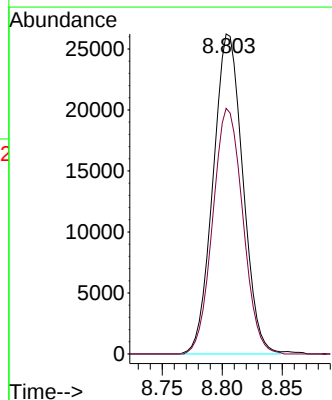
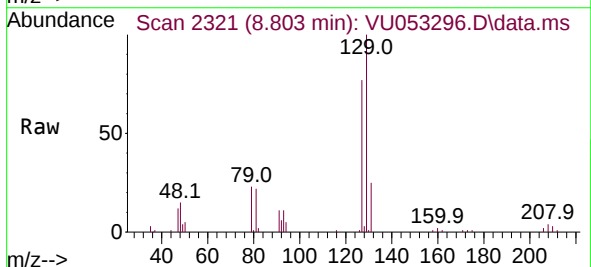
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

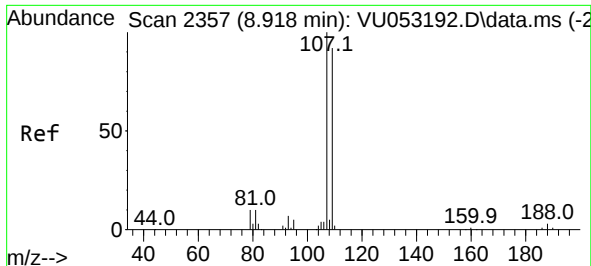
Tgt Ion: 43	Resp: 91726
Ion Ratio	Lower Upper
43 100	
58 62.7	49.4 74.0
57 22.2	16.9 25.3
100 12.3	9.8 14.8



#49
Dibromochloromethane
Concen: 43.490 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion:129	Resp:	45222	
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.1	98.5





#50

1,2-Dibromoethane

Concen: 46.817 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050167

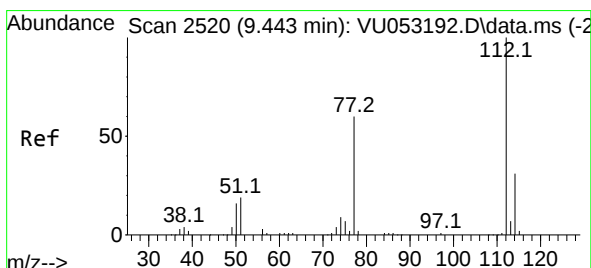
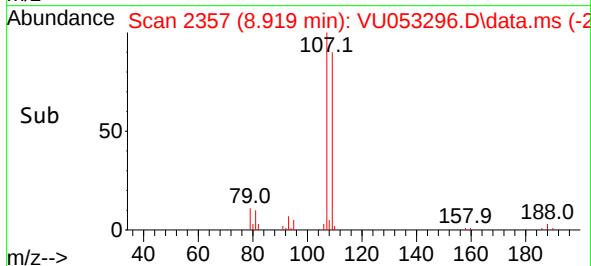
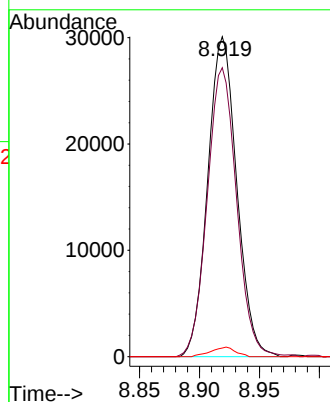
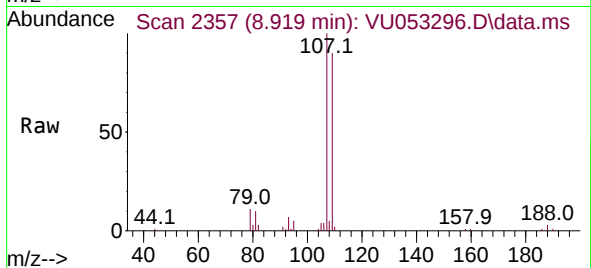
Tgt Ion:107 Resp: 50709

Ion Ratio Lower Upper

107 100

109 90.3 64.6 120.0

188 2.7 2.2 3.4



#51

Chlorobenzene

Concen: 46.634 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

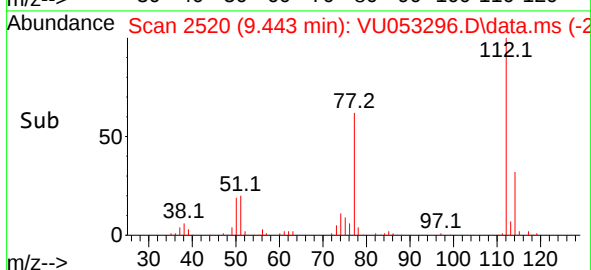
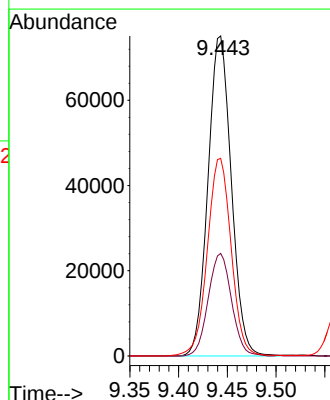
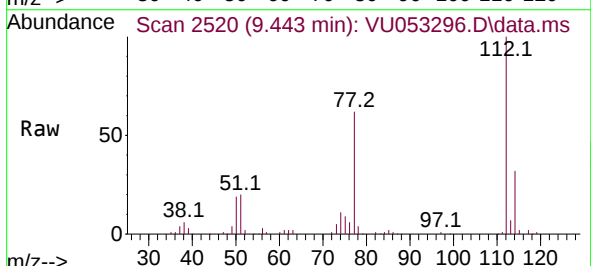
Tgt Ion:112 Resp: 125028

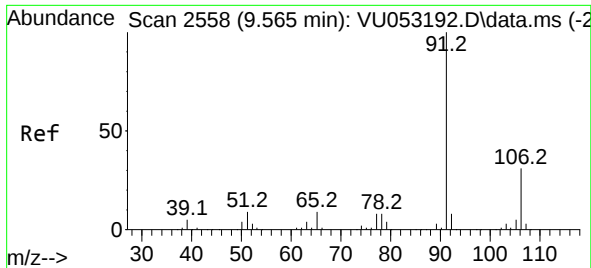
Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.6

77 61.8 48.8 73.2

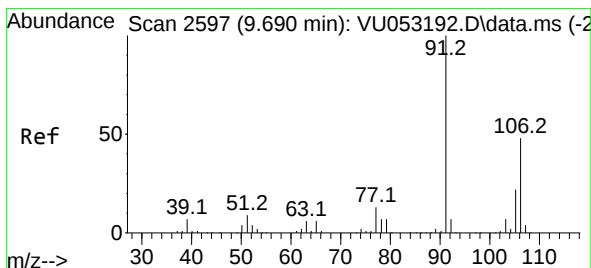
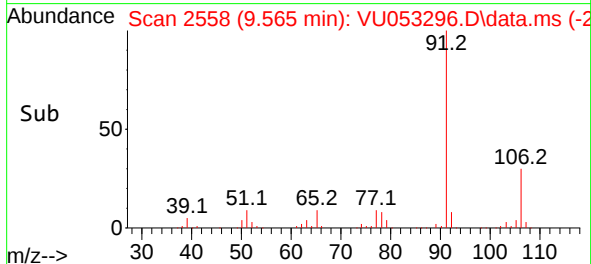
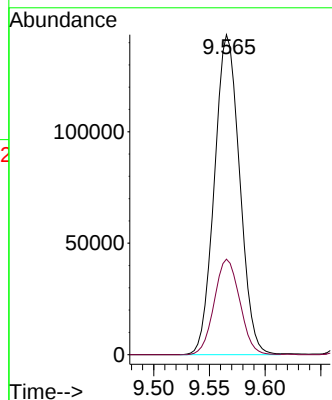
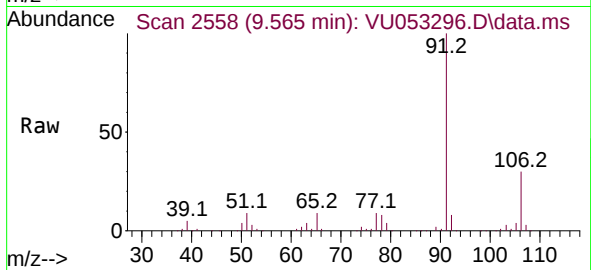




#52
Ethylbenzene
Concen: 46.349 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

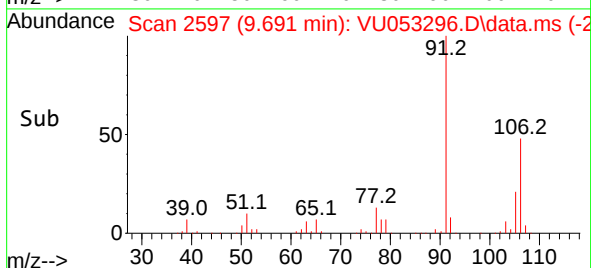
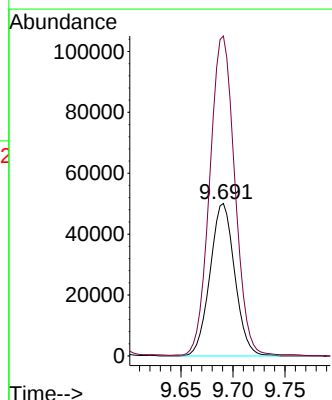
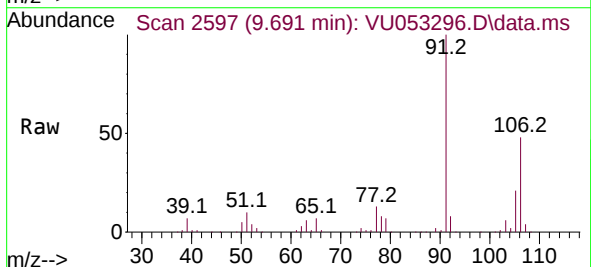
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

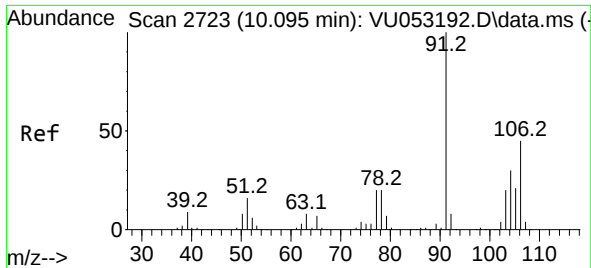
Tgt Ion: 91 Resp: 226103
Ion Ratio Lower Upper
91 100
106 29.9 21.6 40.0



#53
m,p-Xylene
Concen: 45.450 ug/L
RT: 9.691 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion: 106 Resp: 82754
Ion Ratio Lower Upper
106 100
91 209.8 145.3 269.8

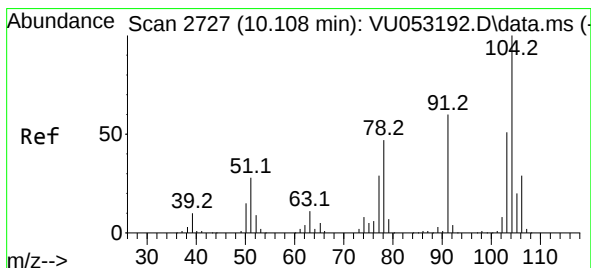
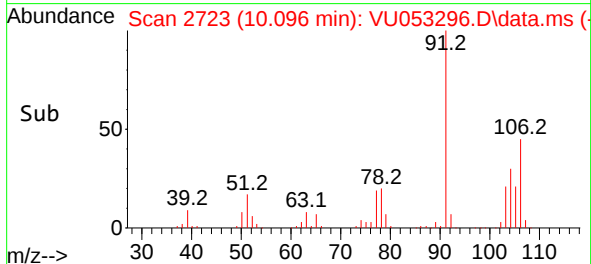
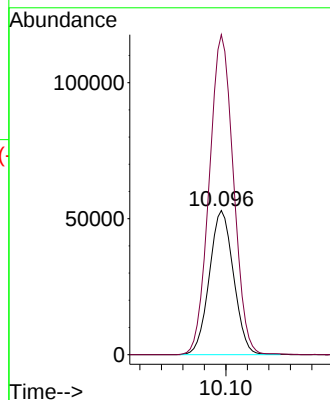
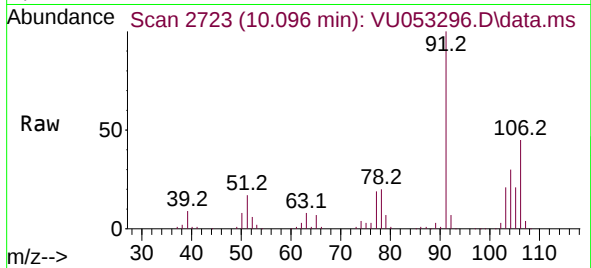




#54
o-Xylene
Concen: 46.079 ug/L
RT: 10.096 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

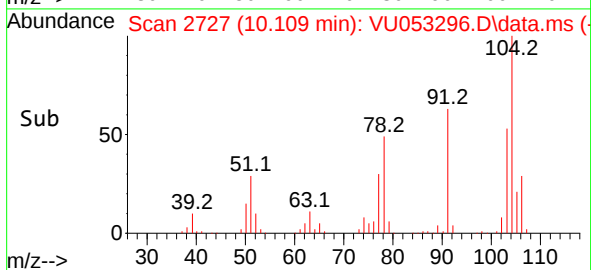
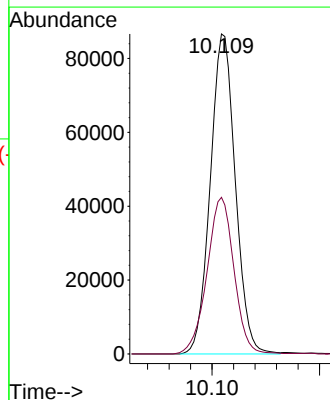
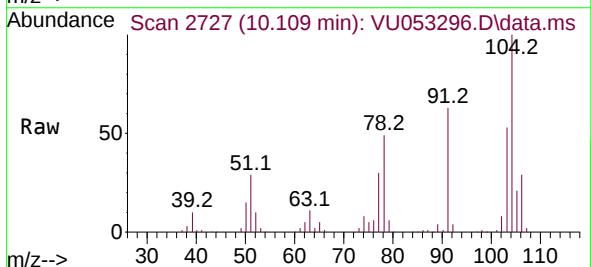
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

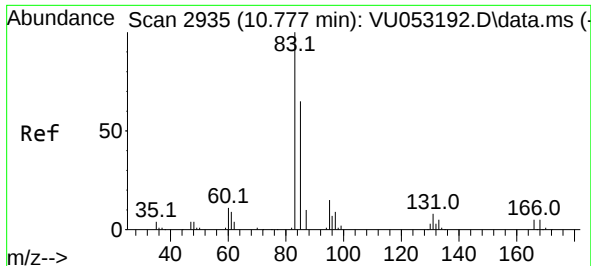
Tgt Ion:106 Resp: 82980
Ion Ratio Lower Upper
106 100
91 222.0 154.9 287.7



#55
Styrene
Concen: 46.713 ug/L
RT: 10.109 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion:104 Resp: 140201
Ion Ratio Lower Upper
104 100
78 48.9 32.9 61.1

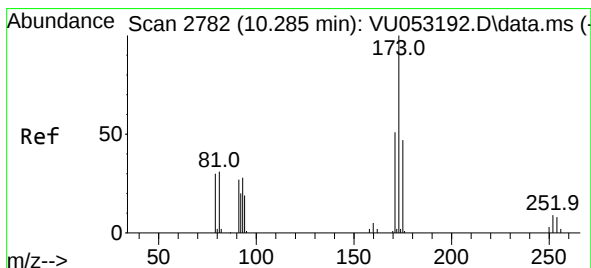
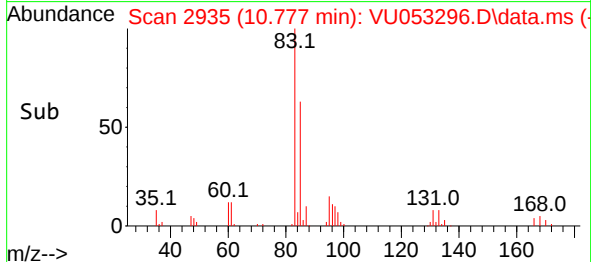
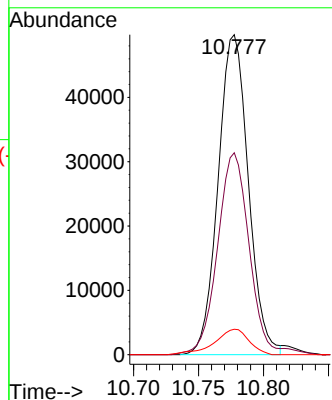
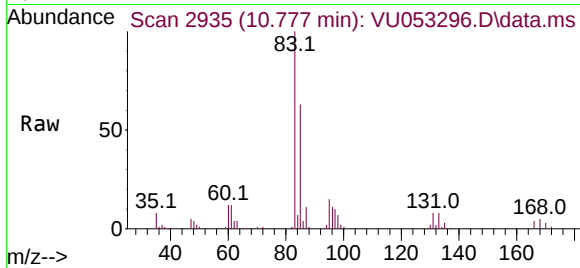




#57
1,1,2,2-Tetrachloroethane
Concen: 48.255 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

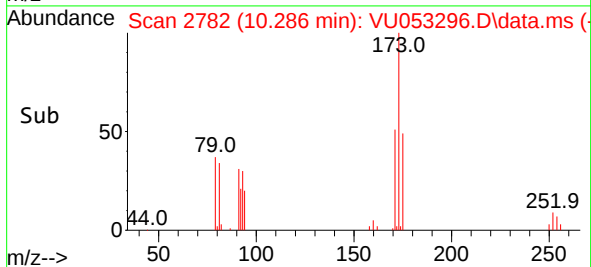
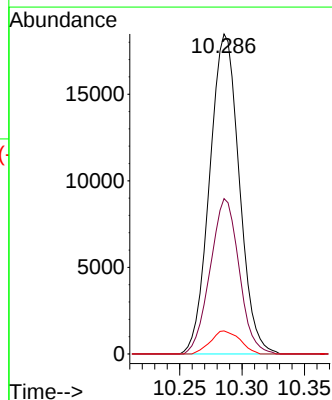
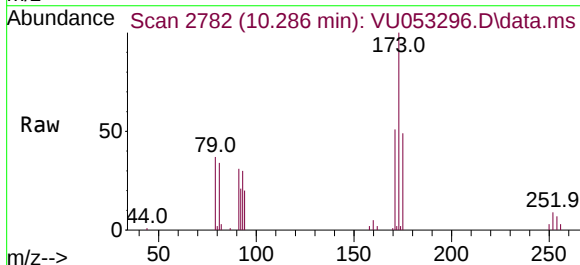
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

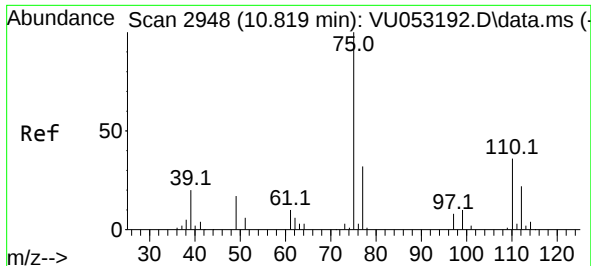
Tgt Ion: 83 Resp: 80421
Ion Ratio Lower Upper
83 100
85 63.1 46.0 85.4
131 8.0 6.6 10.0



#59
Bromoform
Concen: 47.121 ug/L
RT: 10.286 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion: 173 Resp: 30512
Ion Ratio Lower Upper
173 100
175 47.4 38.5 57.7
254 7.2 6.5 9.7





#60

1,2,3-Trichloropropane

Concen: 55.014 ug/L

RT: 10.816 min Scan# 2948

Delta R.T. -0.003 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050167

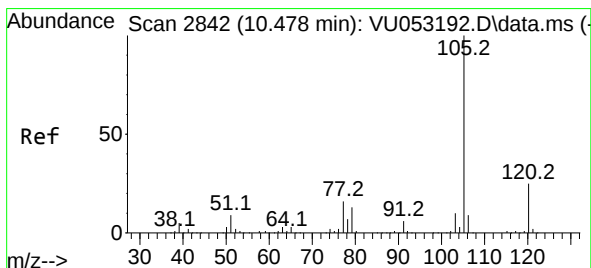
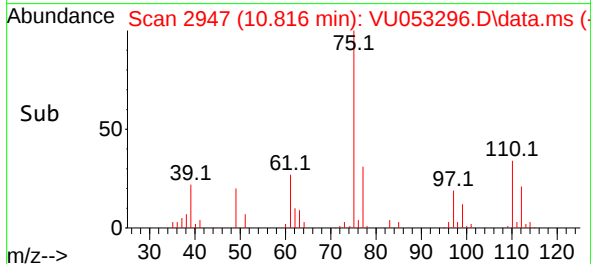
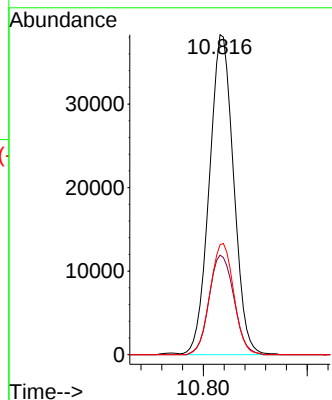
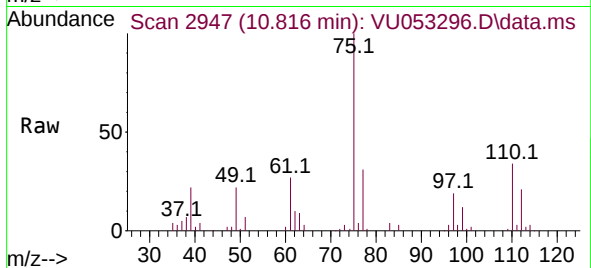
Tgt Ion: 75 Resp: 62202

Ion Ratio Lower Upper

75 100

77 31.7 26.6 40.0

110 34.0 28.6 42.8



#61

Isopropylbenzene

Concen: 49.328 ug/L

RT: 10.478 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

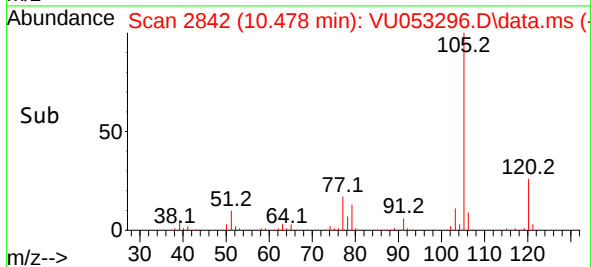
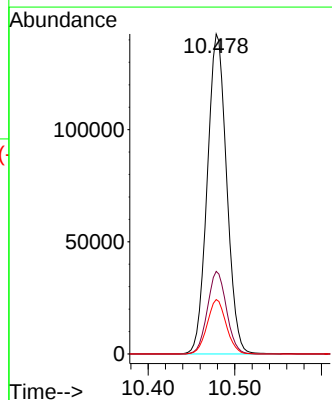
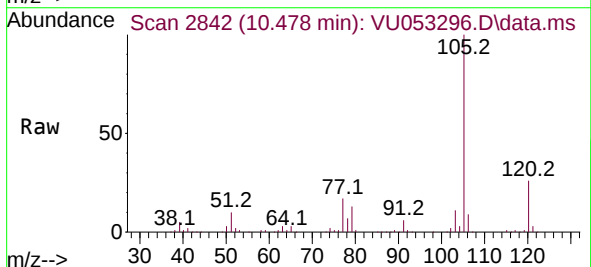
Tgt Ion: 105 Resp: 221767

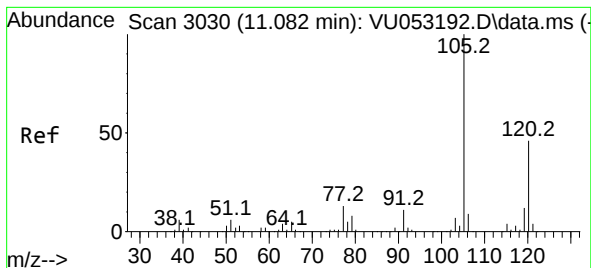
Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

77 16.7 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 48.737 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

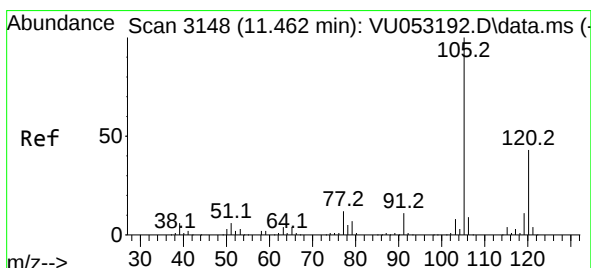
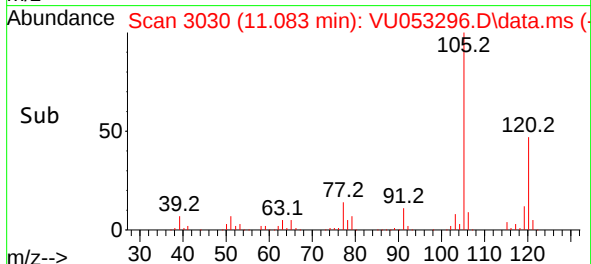
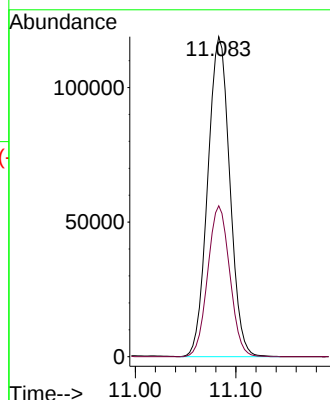
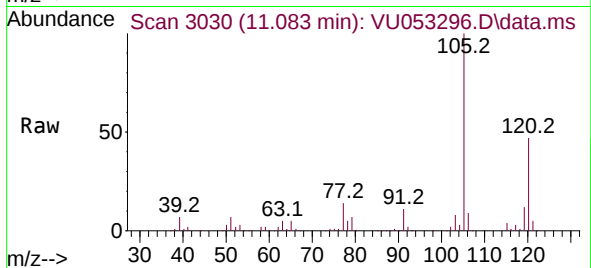
VSTD050167

Tgt Ion:105 Resp: 181368

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 48.371 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. 0.000 min

Lab File: VU053296.D

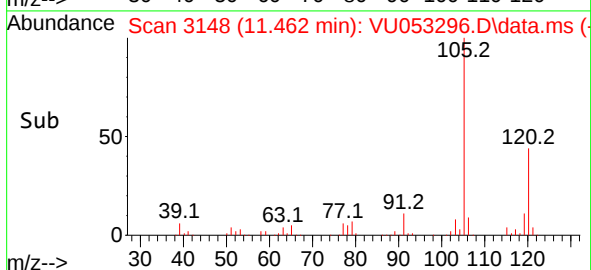
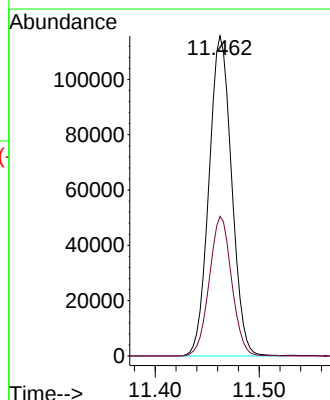
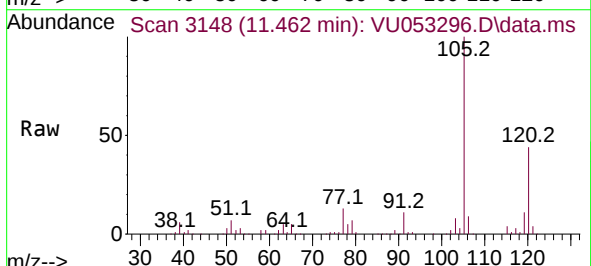
Acq: 20 Mar 2023 10:06

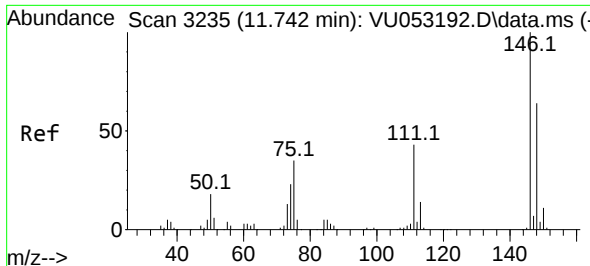
Tgt Ion:105 Resp: 175457

Ion Ratio Lower Upper

105 100

120 43.0 34.6 52.0

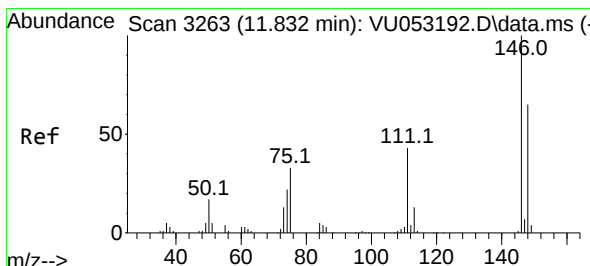
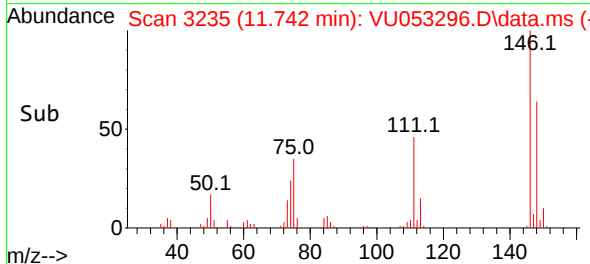
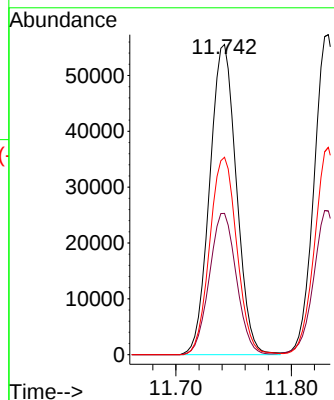
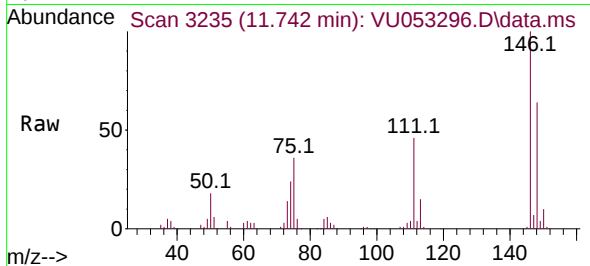




#64
1,3-Dichlorobenzene
Concen: 47.381 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

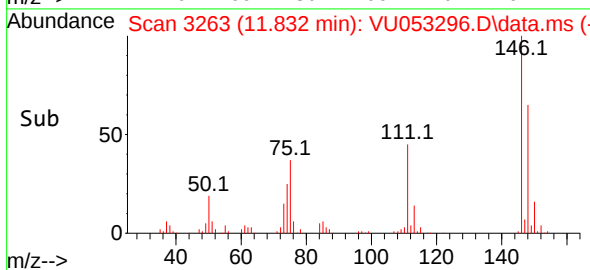
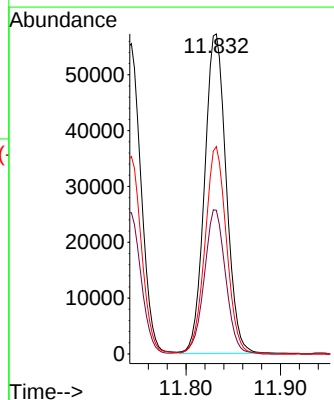
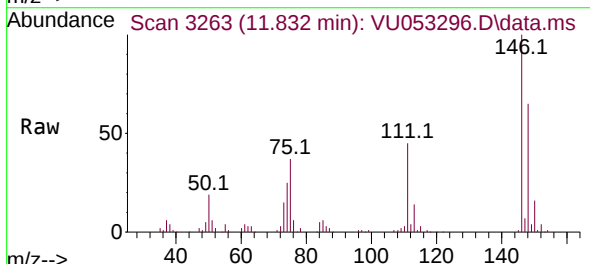
Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

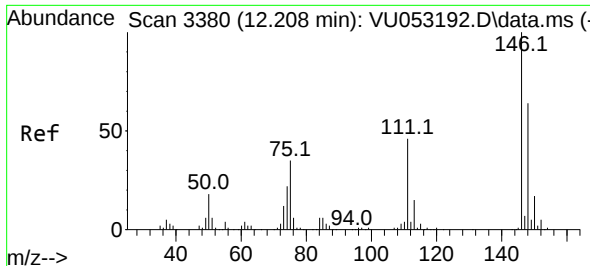
Tgt Ion:146 Resp: 89336
Ion Ratio Lower Upper
146 100
111 45.5 30.2 56.0
148 63.6 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 48.059 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion:146 Resp: 90968
Ion Ratio Lower Upper
146 100
111 44.9 30.7 57.1
148 64.8 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 47.186 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050167

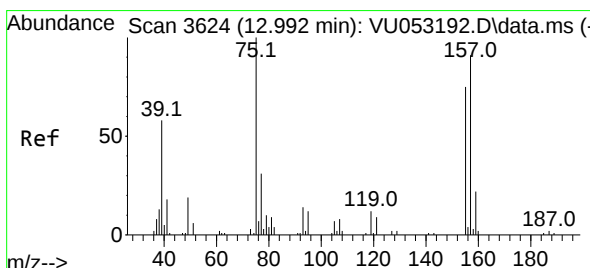
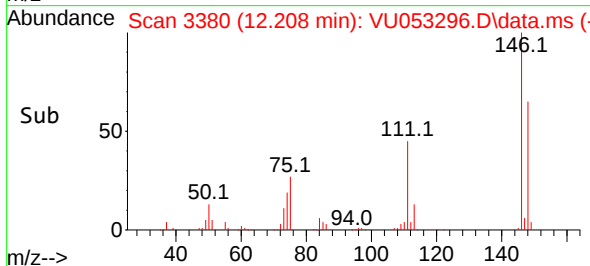
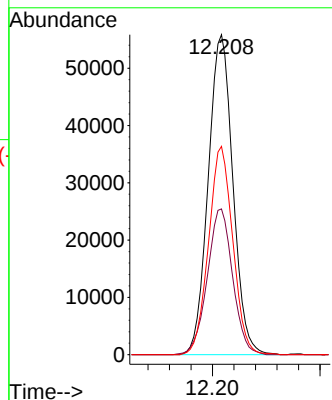
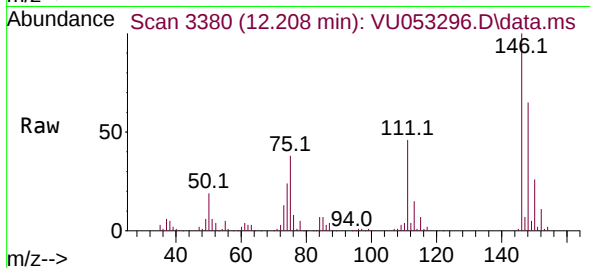
Tgt Ion:146 Resp: 88923

Ion Ratio Lower Upper

146 100

111 45.6 37.0 55.4

148 65.1 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 53.448 ug/L

RT: 12.990 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

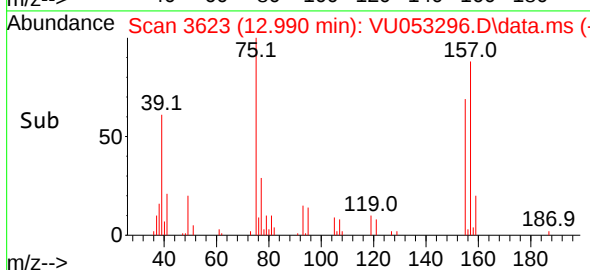
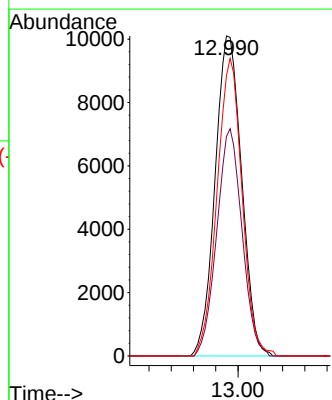
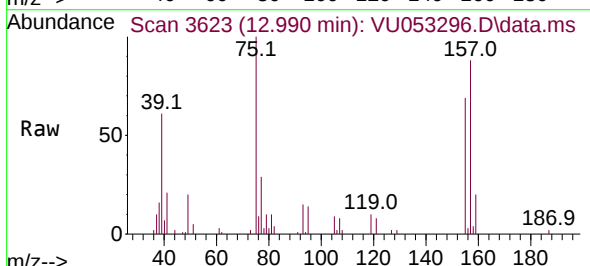
Tgt Ion: 75 Resp: 16711

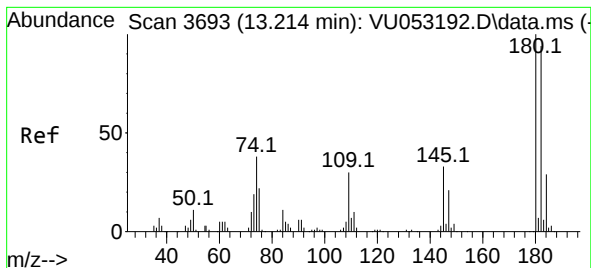
Ion Ratio Lower Upper

75 100

155 68.6 60.2 90.4

157 87.6 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 47.109 ug/L

RT: 13.215 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050167

Tgt Ion:180 Resp: 56314

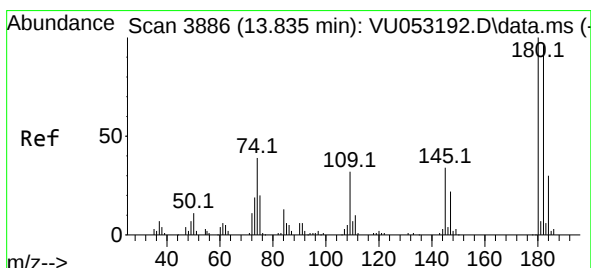
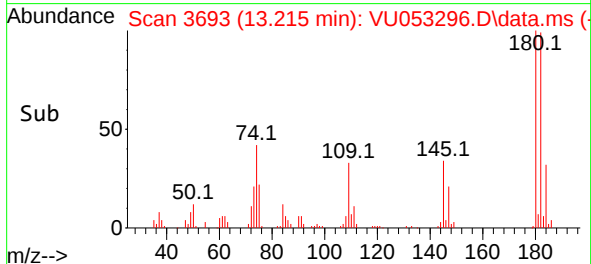
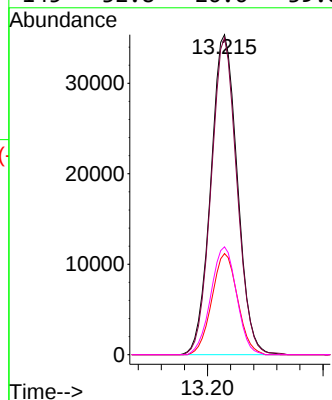
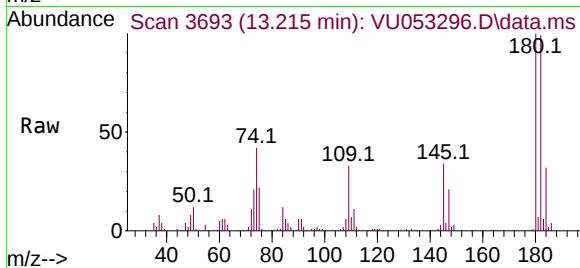
Ion Ratio Lower Upper

180 100

182 96.1 74.5 111.7

184 30.7 23.2 34.8

145 32.8 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 47.297 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053296.D

Acq: 20 Mar 2023 10:06

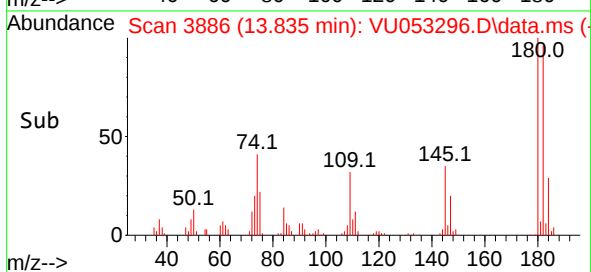
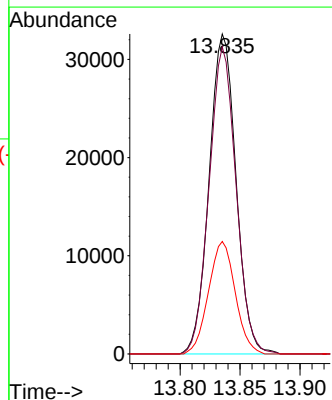
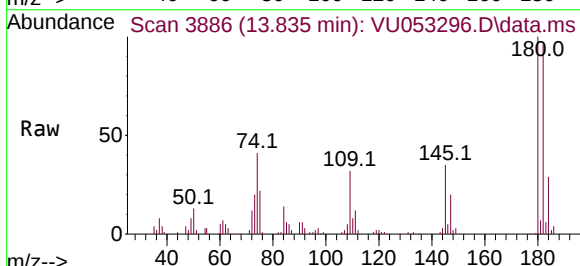
Tgt Ion:180 Resp: 50802

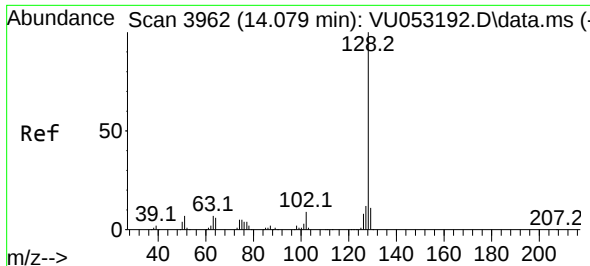
Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.8

145 34.9 27.2 40.8

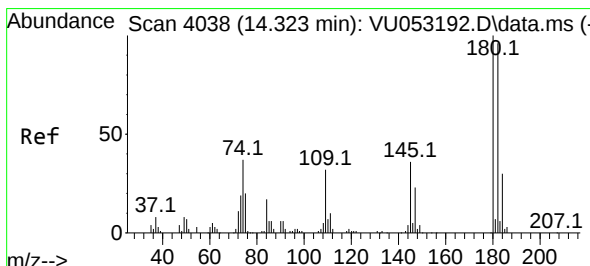
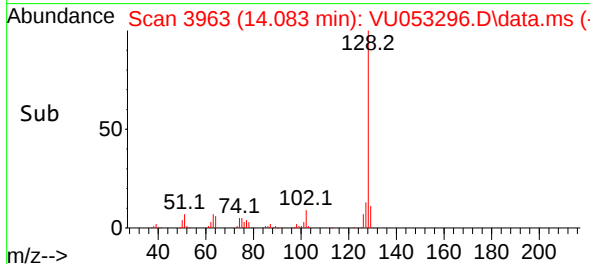
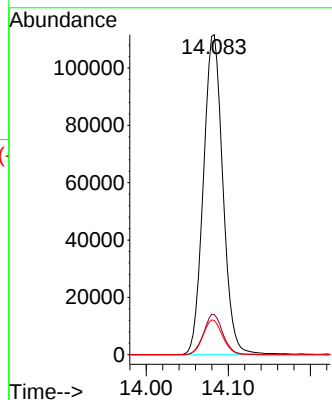
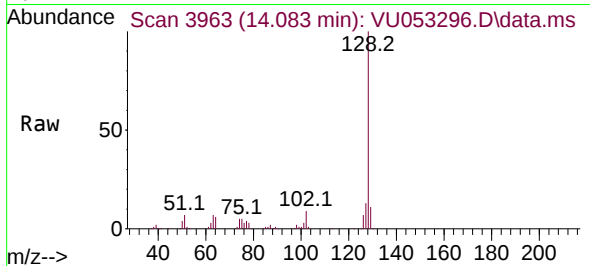




#71
Naphthalene
Concen: 50.791 ug/L
RT: 14.083 min Scan# 3962
Delta R.T. 0.000 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD050167

Tgt Ion:128 Resp: 183880
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 46.795 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU053296.D
Acq: 20 Mar 2023 10:06

Tgt Ion:180 Resp: 47665
Ion Ratio Lower Upper
180 100
182 99.7 76.7 115.1
145 36.7 28.6 42.8

