

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
 Data File : VU053294.D
 Acq On : 18 Mar 2023 02:43
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050166

Quant Time: Mar 18 05:02:15 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	120739	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	115011	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	56136	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	51996	46.680	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.360%
7) Chloroethane-d5	1.909	69	42423	47.084	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.160%
11) 1,1-Dichloroethene-d2	2.565	63	87305	45.245	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.500%
21) 2-Butanone-d5	4.610	46	67144	129.967	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.970%
24) Chloroform-d	5.057	84	88378	48.172	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.340%
26) 1,2-Dichloroethane-d4	5.697	65	59894	52.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.140%
32) Benzene-d6	5.723	84	185728	49.787	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.580%
36) 1,2-Dichloropropane-d6	6.684	67	61657	51.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.420%
41) Toluene-d8	7.893	98	171069	49.255	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.500%
43) trans-1,3-Dichloroprop...	8.176	79	29242	49.227	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.460%
47) 2-Hexanone-d5	8.626	63	51482	136.772	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	136.770%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	89486	57.375	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.760%
66) 1,2-Dichlorobenzene-d4	12.189	152	57761	53.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	53815	42.701	ug/L	100
3) Chloromethane	1.520	50	49124	42.302	ug/L	98
5) Vinyl chloride	1.604	62	65495	51.557	ug/L	100
6) Bromomethane	1.855	94	31032	40.639	ug/L	94
8) Chloroethane	1.932	64	32368	43.136	ug/L	99
9) Trichlorofluoromethane	2.138	101	69925	44.117	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	39859	41.572	ug/L	96
12) 1,1-Dichloroethene	2.578	96	36357	41.002	ug/L	97
13) Acetone	2.617	43	39172	66.575	ug/L	95
14) Carbon disulfide	2.790	76	110867	41.281	ug/L	99
15) Methyl Acetate	2.941	43	43529	53.973	ug/L	98
16) Methylene chloride	3.041	84	44942	41.779	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	39639	44.059	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	140496	46.441	ug/L	98
19) 1,1-Dichloroethane	3.861	63	80941	44.074	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	50338	47.636	ug/L	95
22) 2-Butanone	4.694	43	61275	91.409	ug/L	97
23) Bromochloromethane	4.970	128	22330	44.318	ug/L	96
25) Chloroform	5.083	83	83757	45.576	ug/L	97

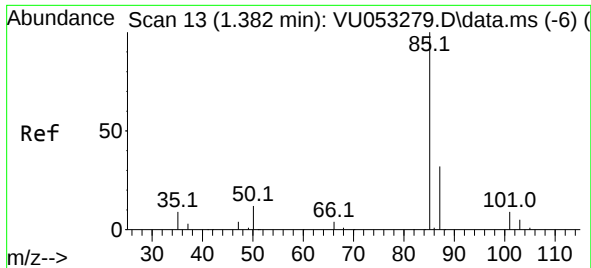
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
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 Quant Title : VOC Analysis
 QLast Update : Sat Mar 18 04:29:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	68641	47.316	ug/L	99
29) Cyclohexane	5.385	56	72471	42.289	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	68923	43.965	ug/L	99
31) Carbon tetrachloride	5.520	117	56378	43.897	ug/L	97
33) Benzene	5.768	78	178909	44.869	ug/L	100
34) Trichloroethene	6.536	95	47871	46.044	ug/L	95
35) Methylcyclohexane	6.758	83	75492	41.424	ug/L	99
37) 1,2-Dichloropropane	6.784	63	51159	45.988	ug/L	99
38) Bromodichloromethane	7.099	83	61776	44.622	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	78766	43.096	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	124265	108.678	ug/L	100
42) Toluene	7.964	91	193720	45.191	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	74598	44.651	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	46825	46.226	ug/L	99
46) Tetrachloroethene	8.549	164	28471	42.092	ug/L	94
48) 2-Hexanone	8.678	43	97657	101.992	ug/L	99
49) Dibromochloromethane	8.806	129	44397	42.846	ug/L	98
50) 1,2-Dibromoethane	8.919	107	50296	46.599	ug/L	96
51) Chlorobenzene	9.443	112	122711	45.930	ug/L	99
52) Ethylbenzene	9.565	91	216827	44.604	ug/L	99
53) m,p-Xylene	9.690	106	80953	44.617	ug/L	100
54) o-Xylene	10.095	106	79524	44.315	ug/L	99
55) Styrene	10.112	104	134000	44.804	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	82619	49.748	ug/L	97
59) Bromoform	10.285	173	29930	46.851	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	63694	57.100	ug/L	97
61) Isopropylbenzene	10.481	105	213995	48.247	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	170991	46.574	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	168666	47.131	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	86736	46.628	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	87604	46.912	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	87453	47.038	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	17954	58.206	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	52703	44.688	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	51988	49.060	ug/L	98
71) Naphthalene	14.082	128	209150	58.558	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	52734	52.476	ug/L	97

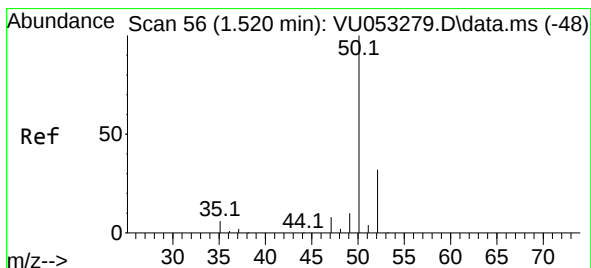
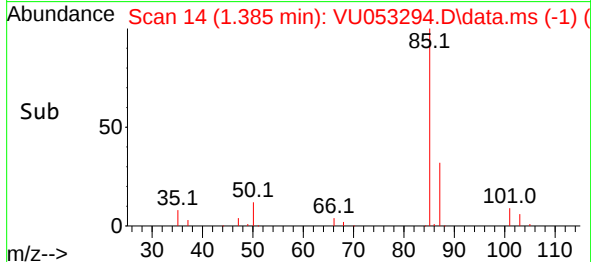
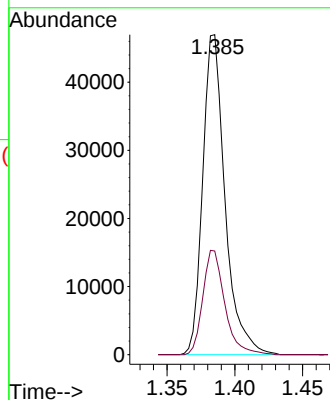
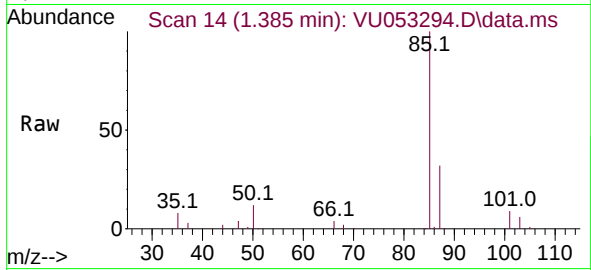
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 42.701 ug/L
 RT: 1.385 min Scan# 14
 Delta R.T. 0.003 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

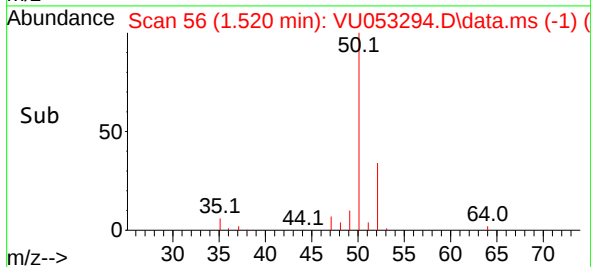
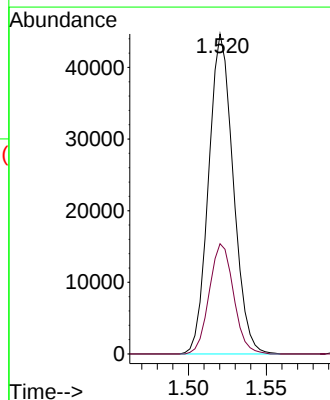
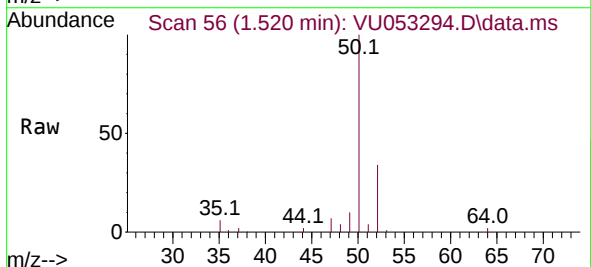
Instrument :
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 ClientSampleId :
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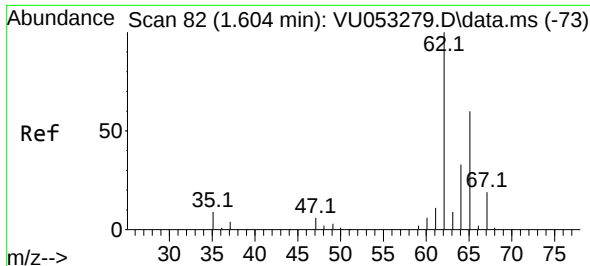
Tgt Ion: 85 Resp: 53815
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.8



#3
 Chloromethane
 Concen: 42.302 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. -0.000 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

Tgt Ion: 50 Resp: 49124
 Ion Ratio Lower Upper
 50 100
 52 34.5 23.4 43.4

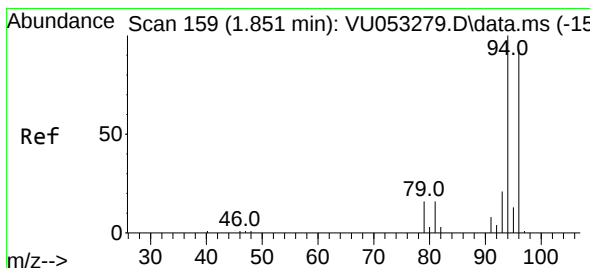
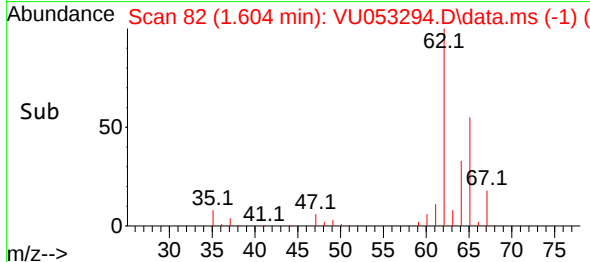
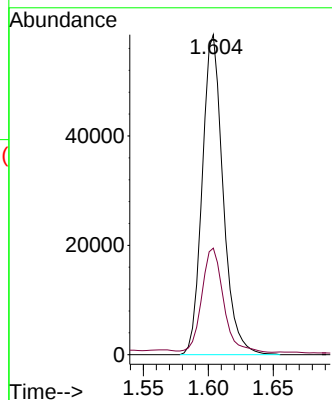
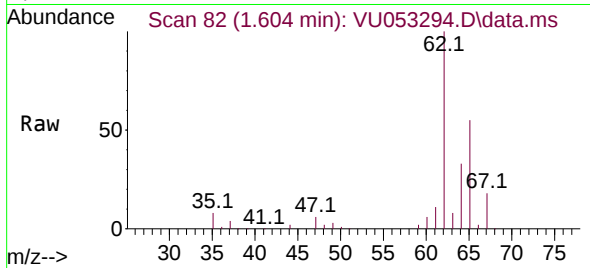




#5
 Vinyl chloride
 Concen: 51.557 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

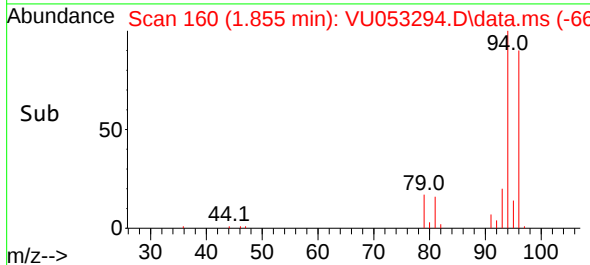
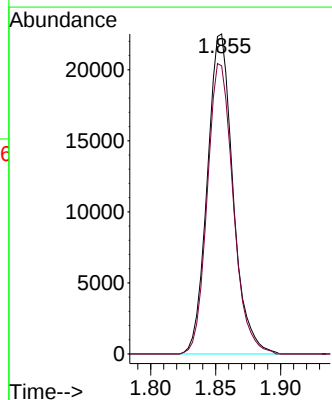
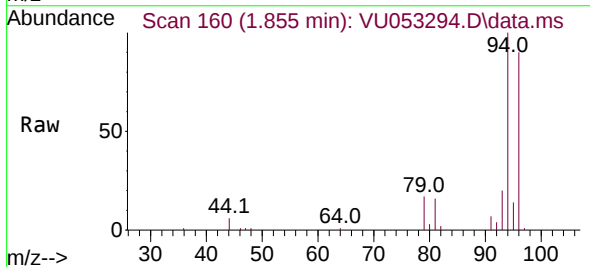
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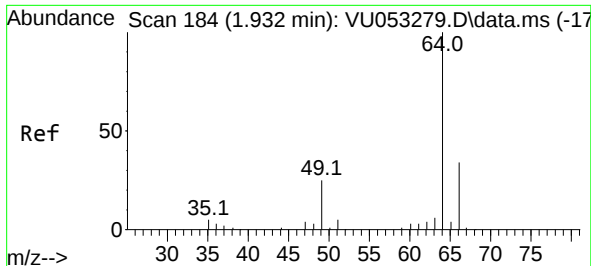
Tgt Ion: 62 Resp: 65495
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.2 43.0



#6
 Bromomethane
 Concen: 40.639 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

Tgt Ion: 94 Resp: 31032
 Ion Ratio Lower Upper
 94 100
 96 90.1 67.5 125.3

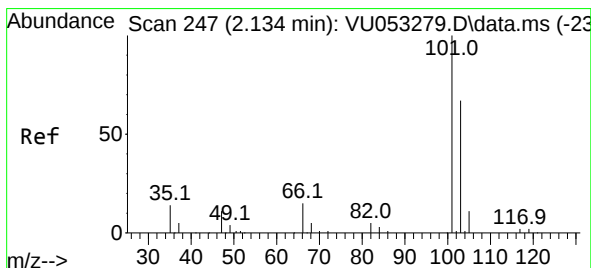
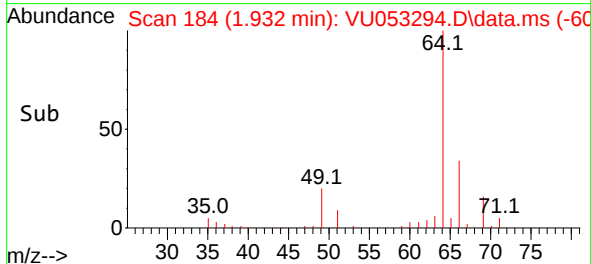
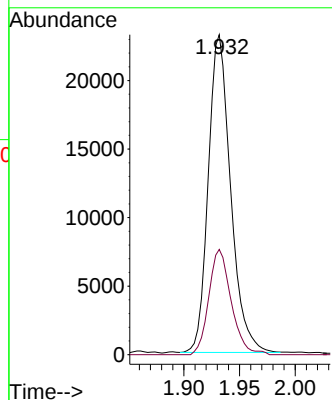
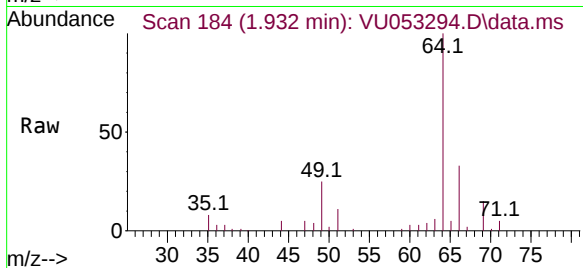




#8
Chloroethane
Concen: 43.136 ug/L
RT: 1.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

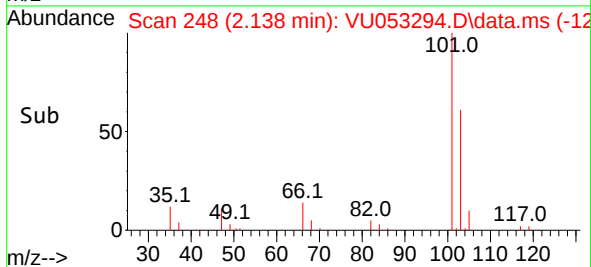
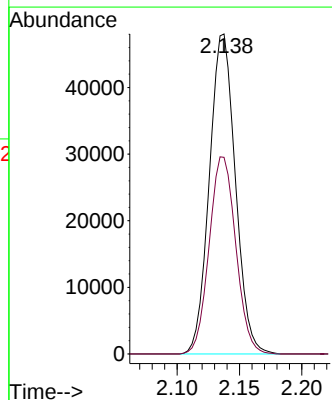
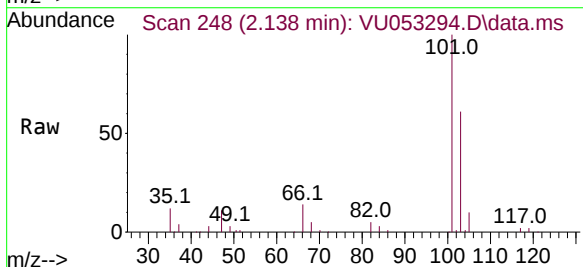
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

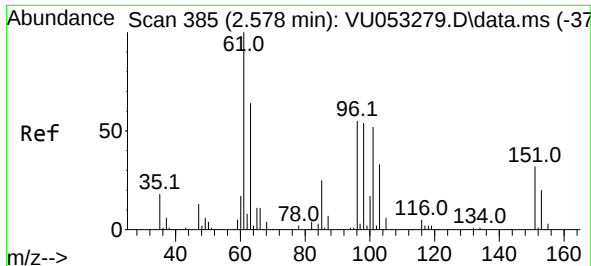
Tgt Ion: 64 Resp: 32368
Ion Ratio Lower Upper
64 100
66 32.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 44.117 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion:101 Resp: 69925
Ion Ratio Lower Upper
101 100
103 63.0 52.0 78.0

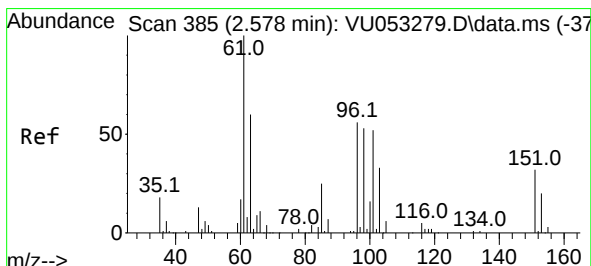
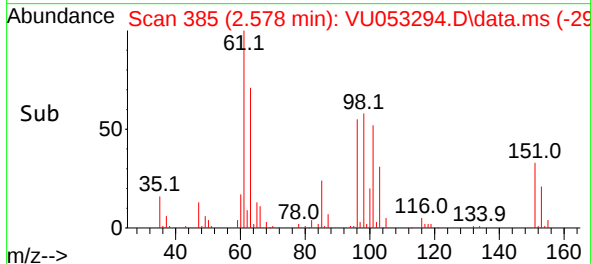
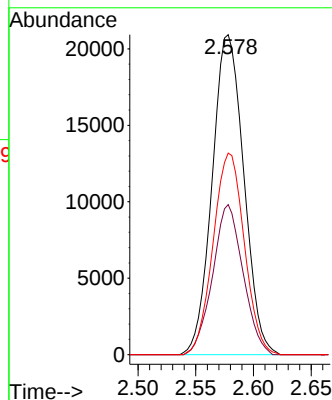
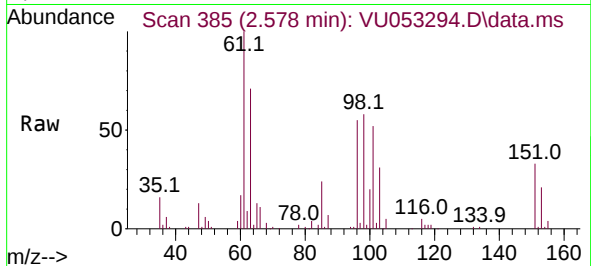




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.572 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

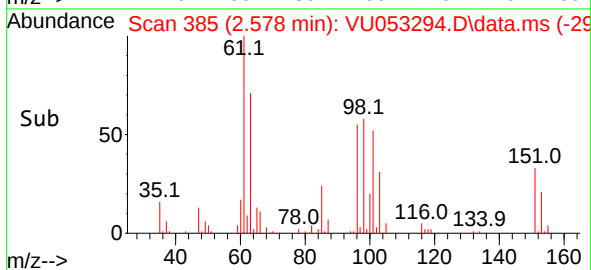
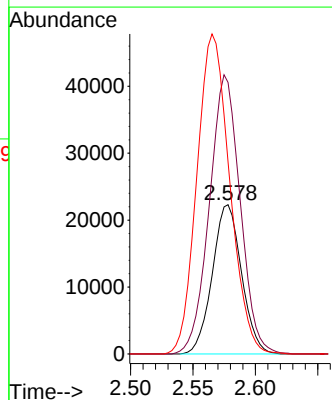
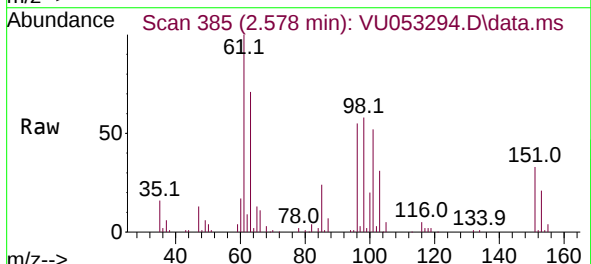
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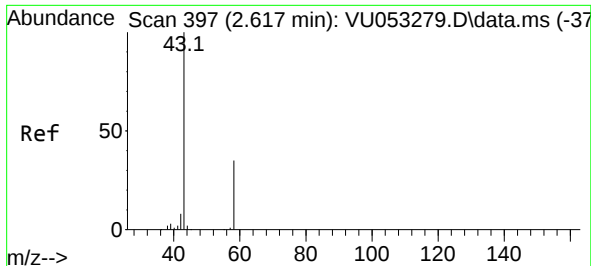
Tgt Ion:101 Resp: 39859
 Ion Ratio Lower Upper
 101 100
 85 45.1 37.0 55.6
 151 62.2 52.9 79.3



#12
 1,1-Dichloroethene
 Concen: 41.002 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

Tgt Ion: 96 Resp: 36357
 Ion Ratio Lower Upper
 96 100
 61 181.8 122.2 226.9
 63 128.7 89.9 166.9





#13

Acetone

Concen: 66.575 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.000 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

Instrument :

MSVOA_U

ClientSampleId :

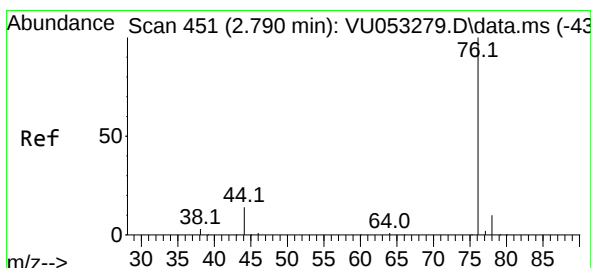
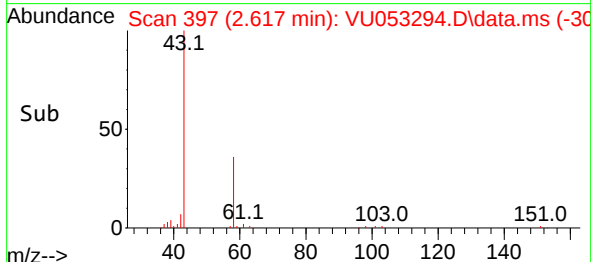
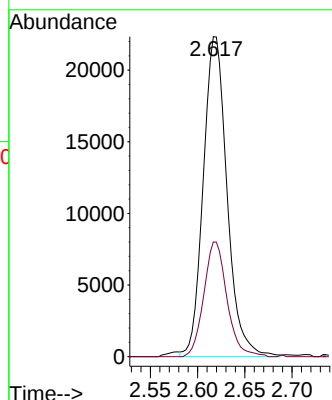
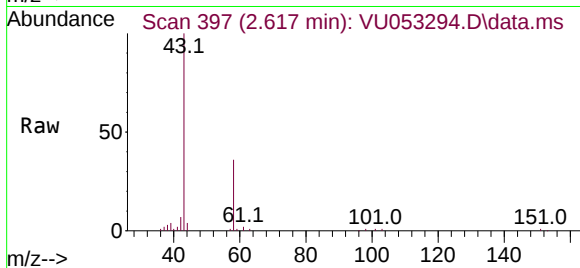
VSTD050166

Tgt Ion: 43 Resp: 39172

Ion Ratio Lower Upper

43 100

58 34.8 0.0 75.0



#14

Carbon disulfide

Concen: 41.281 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU053294.D

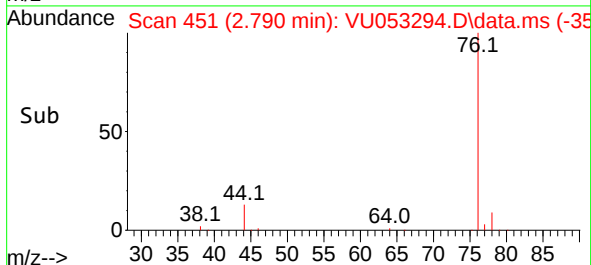
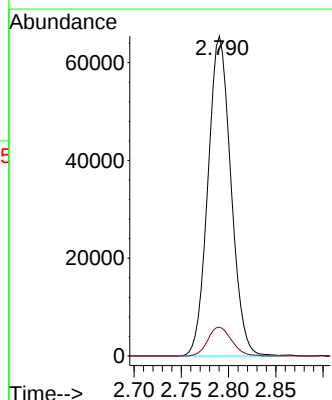
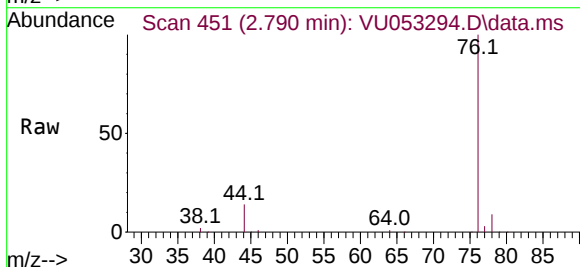
Acq: 18 Mar 2023 02:43

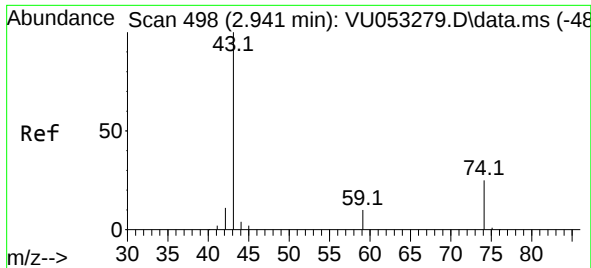
Tgt Ion: 76 Resp: 110867

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

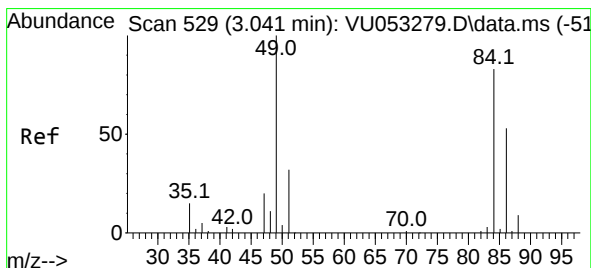
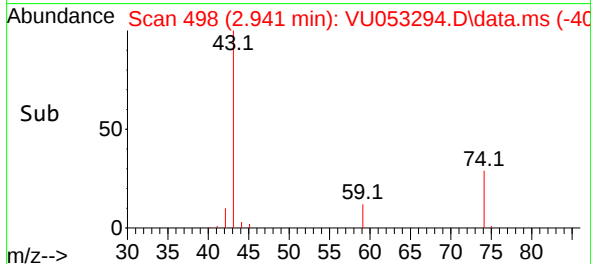
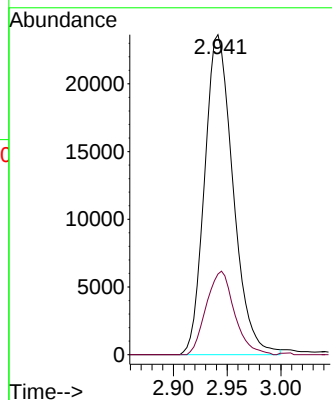
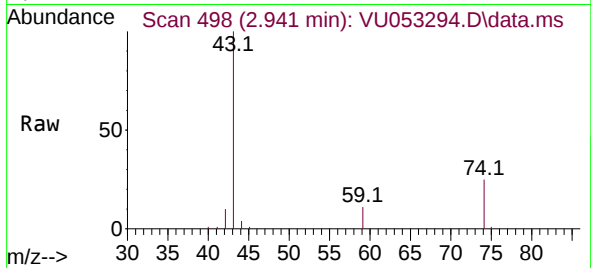




#15
Methyl Acetate
Concen: 53.973 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

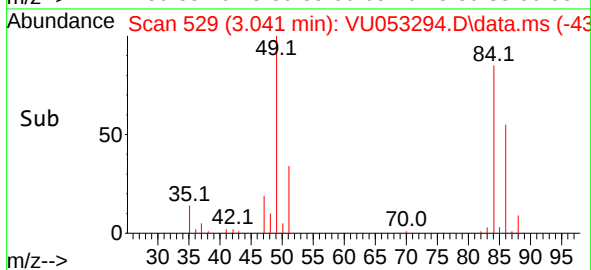
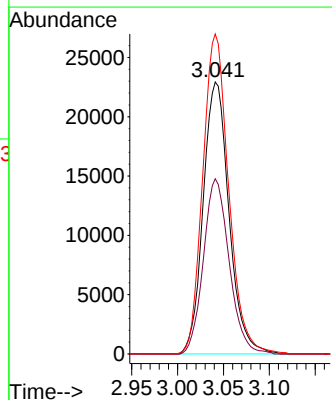
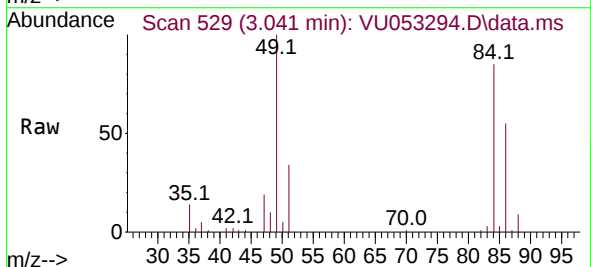
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

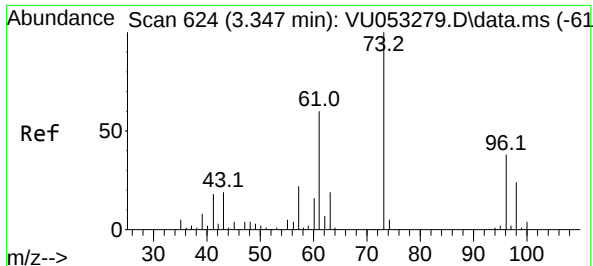
Tgt Ion: 43 Resp: 43529
Ion Ratio Lower Upper
43 100
74 25.8 21.4 32.0



#16
Methylene chloride
Concen: 41.779 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion: 84 Resp: 44942
Ion Ratio Lower Upper
84 100
86 64.4 44.4 82.4
49 117.6 81.6 151.6

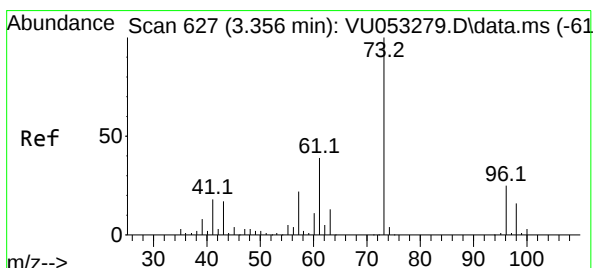
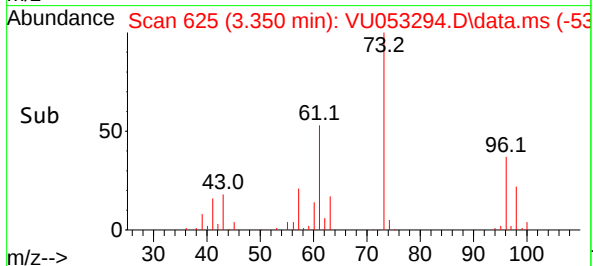
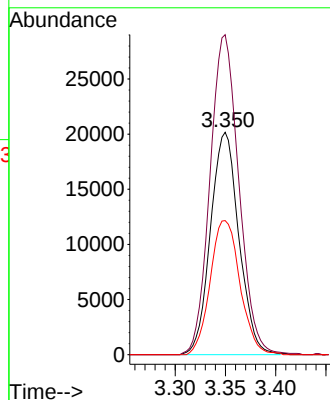
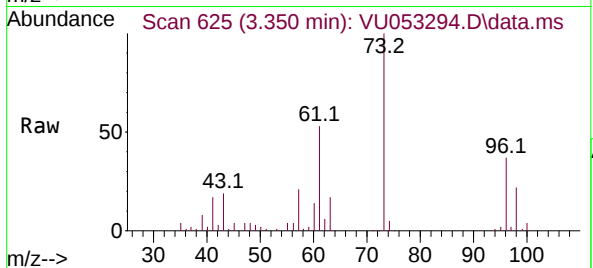




#17
trans-1,2-Dichloroethene
Concen: 44.059 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

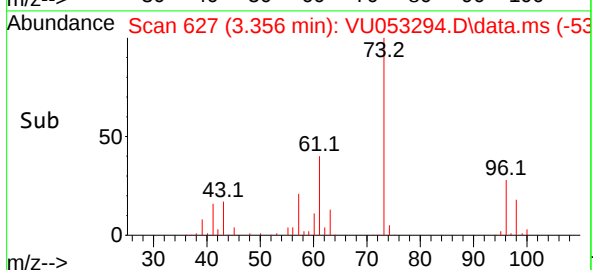
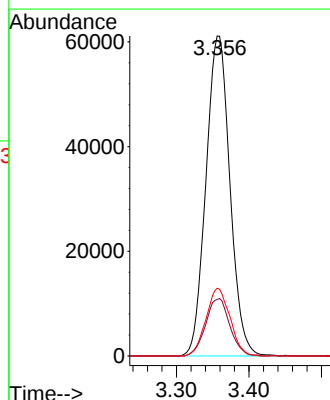
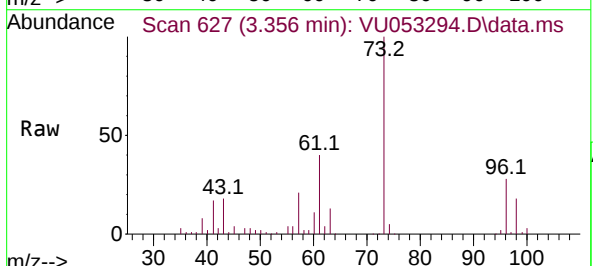
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

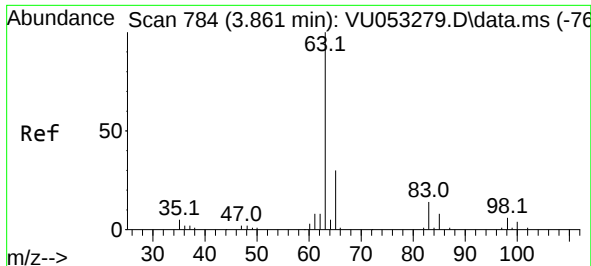
Tgt Ion: 96 Resp: 39639
Ion Ratio Lower Upper
96 100
61 143.9 99.6 185.0
98 60.3 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 46.441 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion: 73 Resp: 140496
Ion Ratio Lower Upper
73 100
43 18.1 14.2 21.2
57 21.1 18.0 27.0

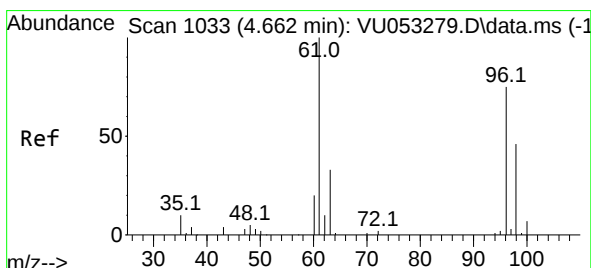
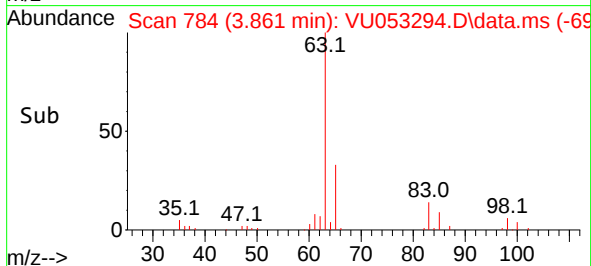
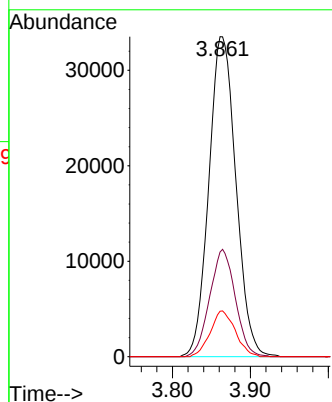
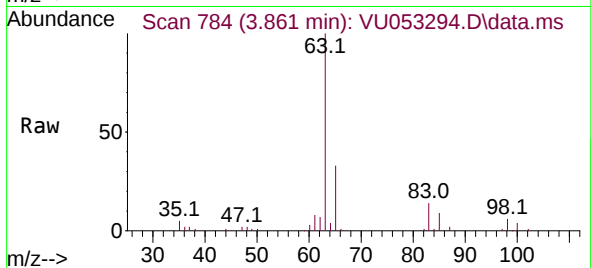




#19
1,1-Dichloroethane
Concen: 44.074 ug/L
RT: 3.861 min Scan# 784
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

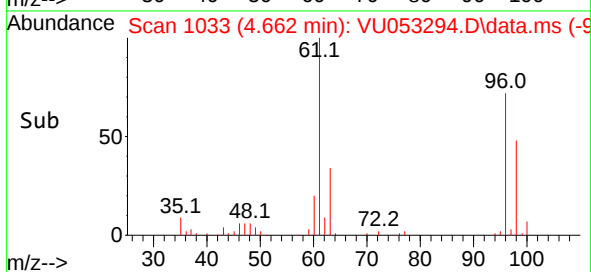
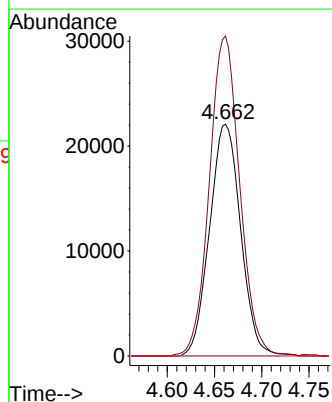
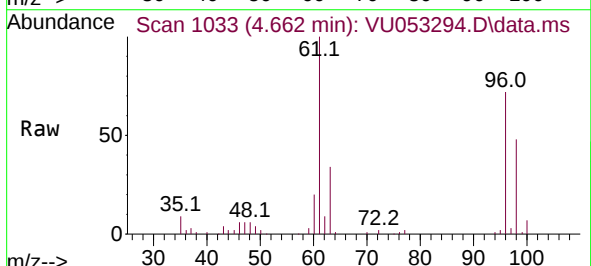
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

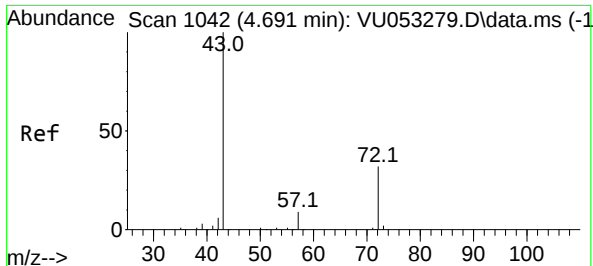
Tgt Ion:	63	Resp:	80941
Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.8	42.4
83	14.2	9.4	17.6



#20
cis-1,2-Dichloroethene
Concen: 47.636 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion:	96	Resp:	50338
Ion	Ratio	Lower	Upper
96	100		
61	138.2	92.5	171.7
68	0.0	0.0	0.0

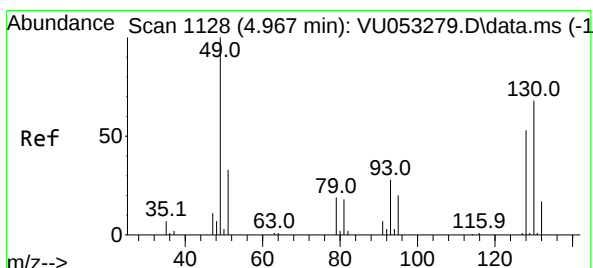
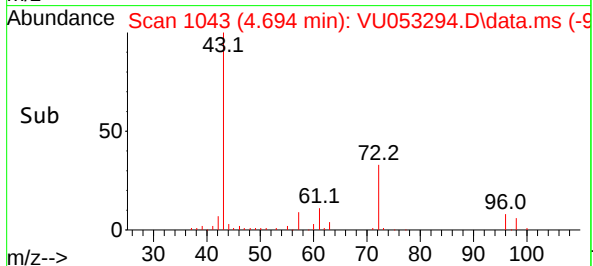
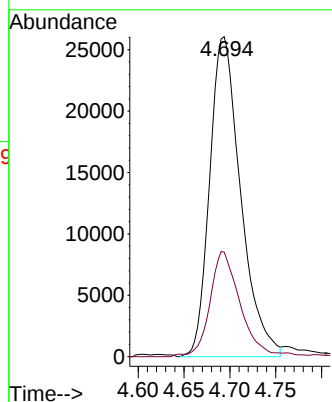
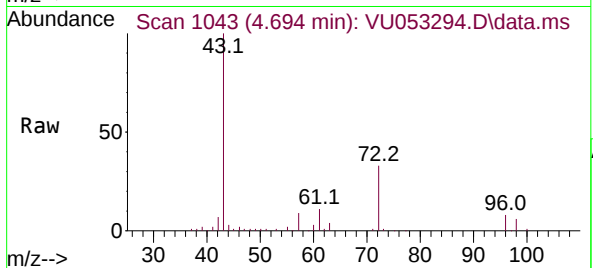




#22
2-Butanone
Concen: 91.409 ug/L
RT: 4.694 min Scan# 1042
Delta R.T. 0.003 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

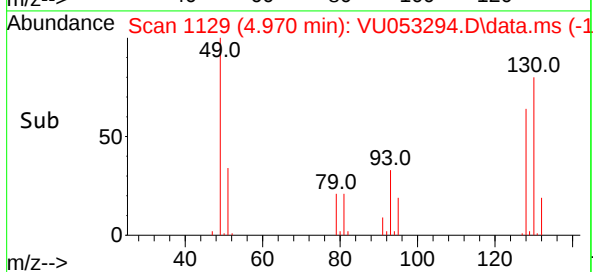
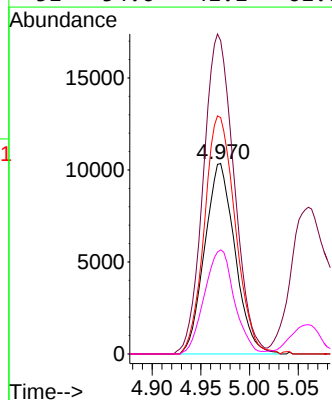
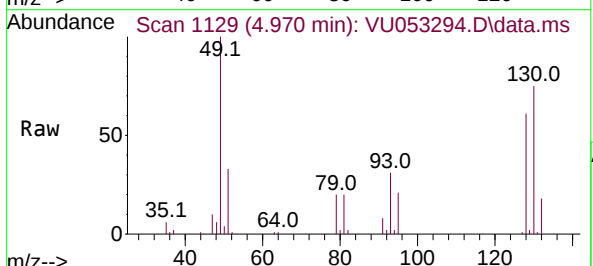
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

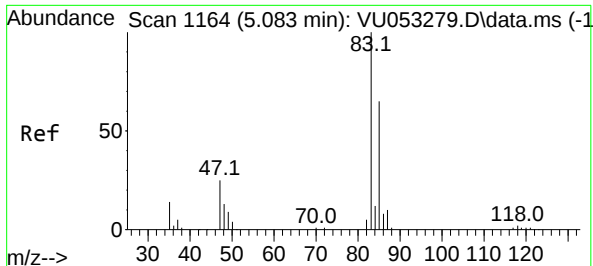
Tgt Ion: 43 Resp: 61275
Ion Ratio Lower Upper
43 100
72 30.4 16.0 47.9



#23
Bromochloromethane
Concen: 44.318 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.003 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion: 128 Resp: 22330
Ion Ratio Lower Upper
128 100
49 164.5 109.9 204.1
130 124.1 87.2 161.9
51 54.6 41.1 61.7





#25

Chloroform

Concen: 45.576 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

Instrument :

MSVOA_U

ClientSampleId :

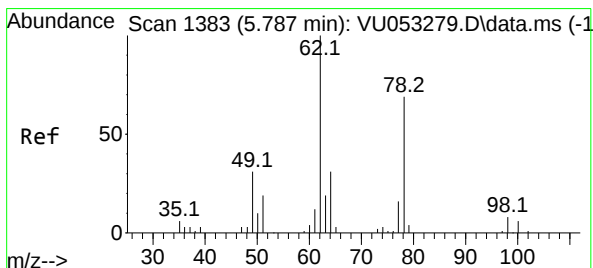
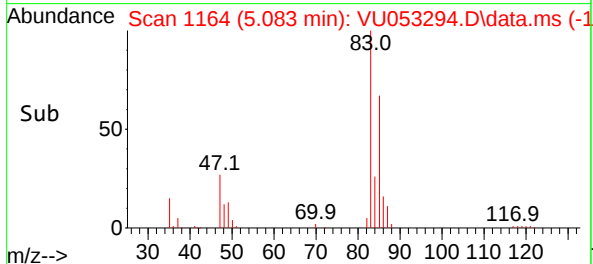
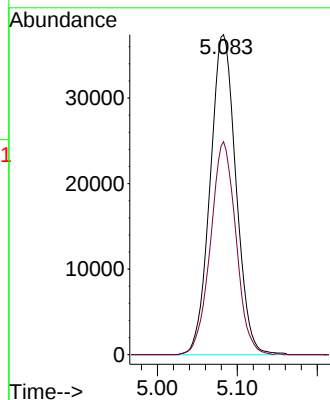
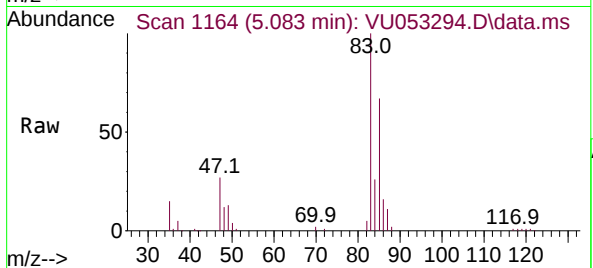
VSTD050166

Tgt Ion: 83 Resp: 83757

Ion Ratio Lower Upper

83 100

85 66.5 44.9 83.3



#27

1,2-Dichloroethane

Concen: 47.316 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VU053294.D

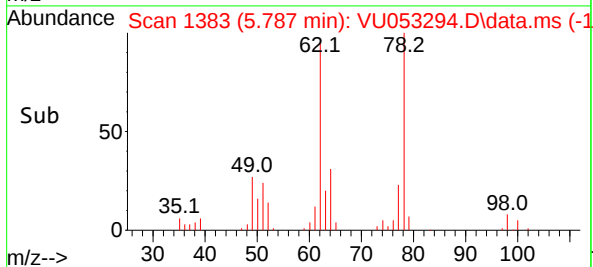
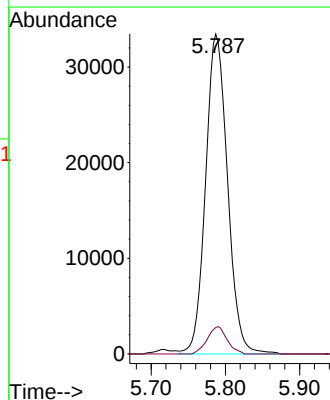
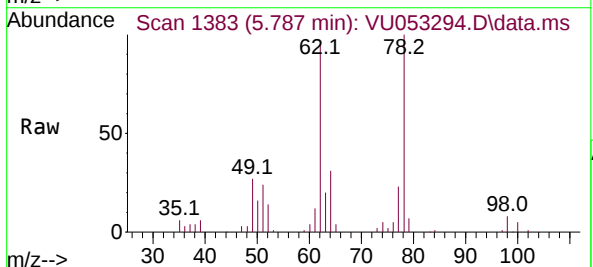
Acq: 18 Mar 2023 02:43

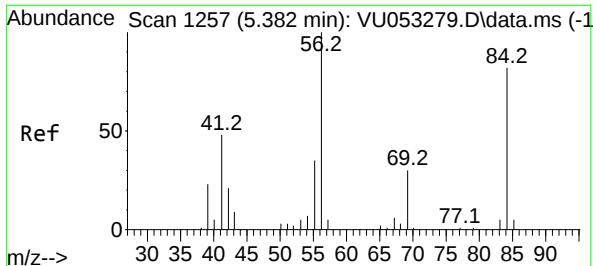
Tgt Ion: 62 Resp: 68641

Ion Ratio Lower Upper

62 100

98 8.3 7.0 10.6





#29

Cyclohexane

Concen: 42.289 ug/L

RT: 5.385 min Scan# 1257

Delta R.T. 0.003 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050166

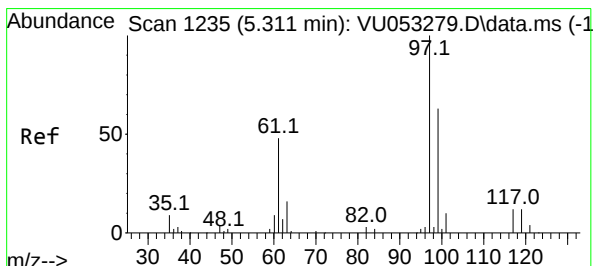
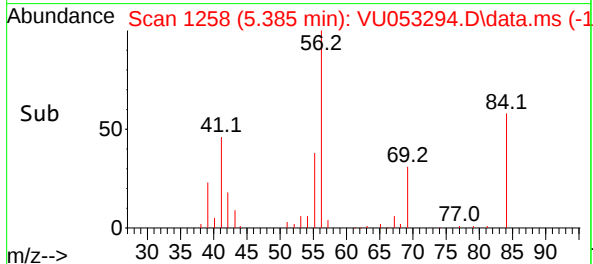
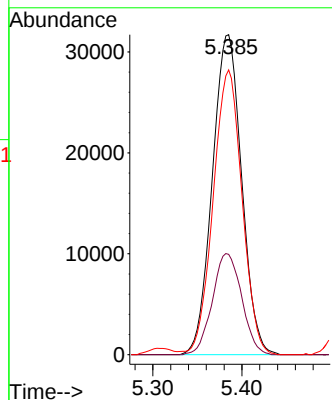
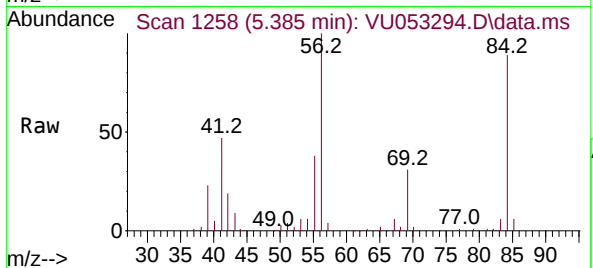
Tgt Ion: 56 Resp: 72471

Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.0

84 87.6 69.0 103.6



#30

1,1,1-Trichloroethane

Concen: 43.965 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

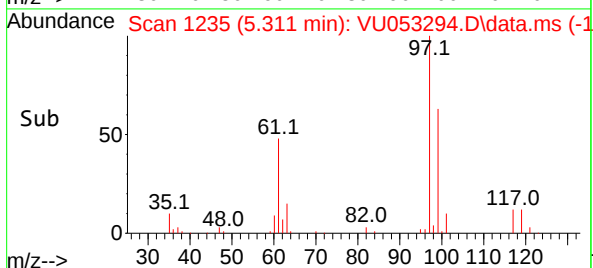
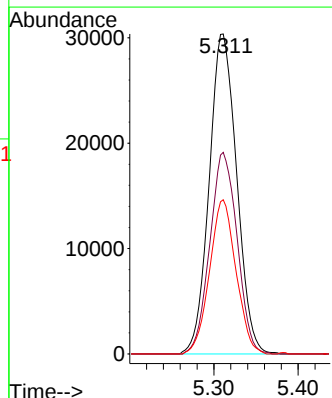
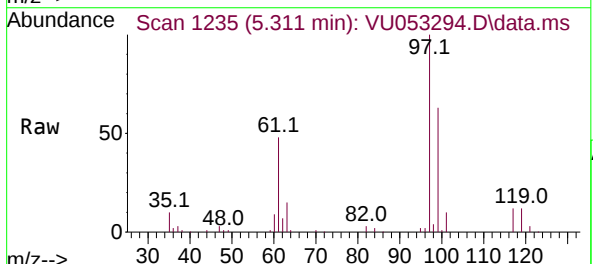
Tgt Ion: 97 Resp: 68923

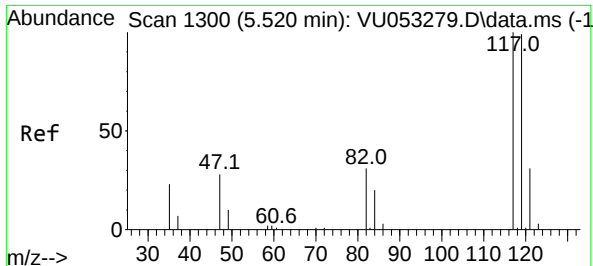
Ion Ratio Lower Upper

97 100

99 62.4 50.6 76.0

61 46.3 36.0 54.0

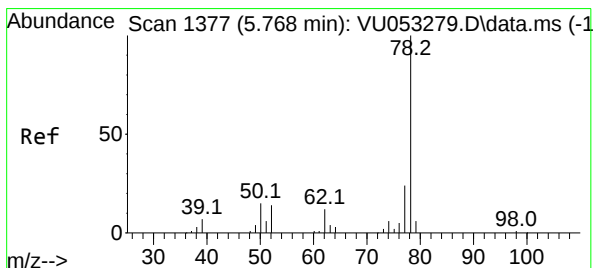
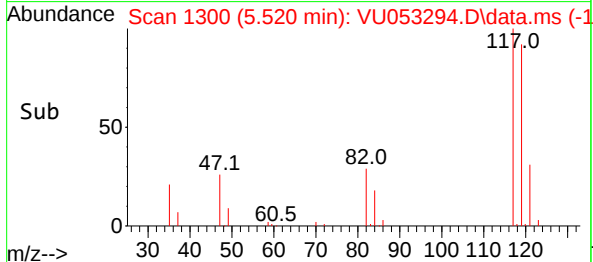
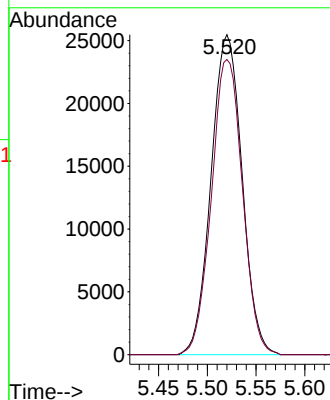
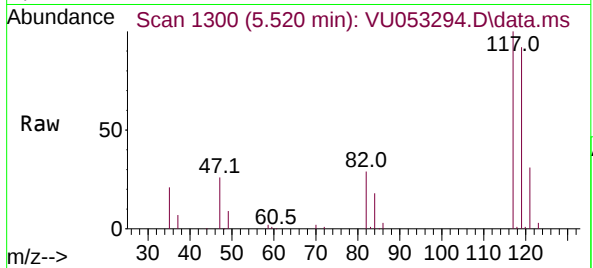




#31
Carbon tetrachloride
Concen: 43.897 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

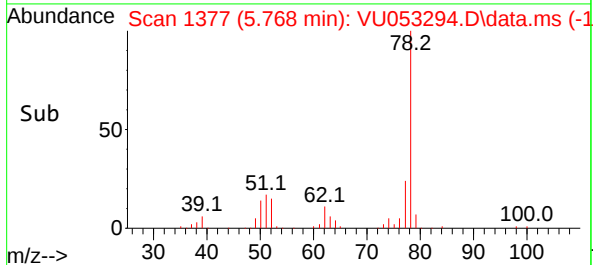
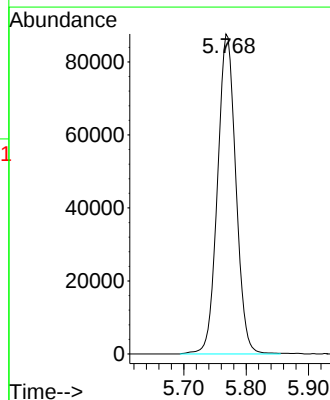
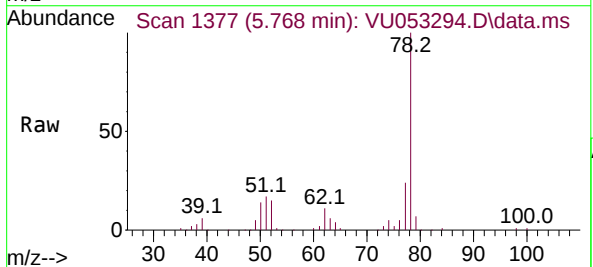
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

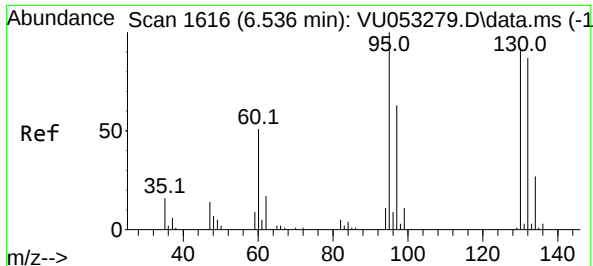
Tgt Ion:117 Resp: 56378
Ion Ratio Lower Upper
117 100
119 92.4 76.2 114.2



#33
Benzene
Concen: 44.869 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion: 78 Resp: 178909

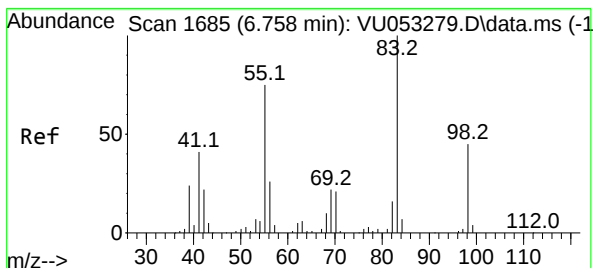
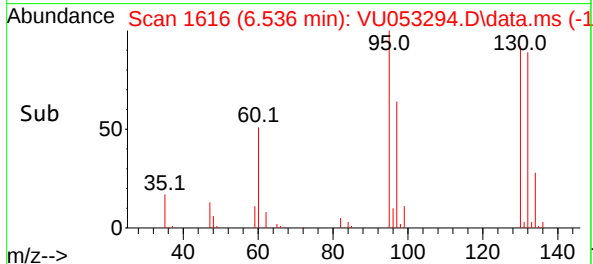
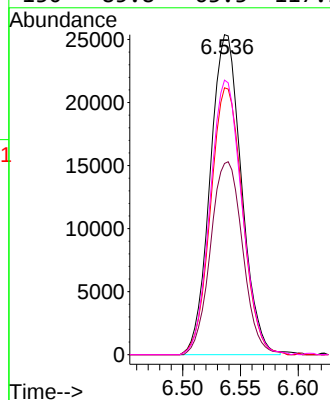
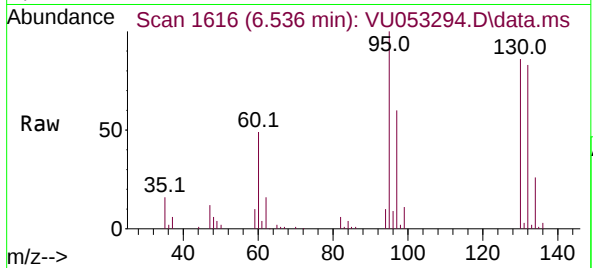




#34
Trichloroethene
Concen: 46.044 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

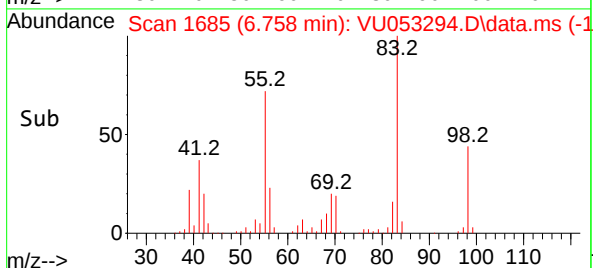
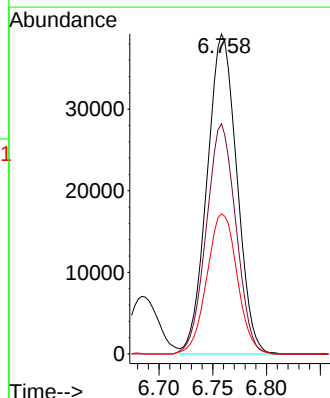
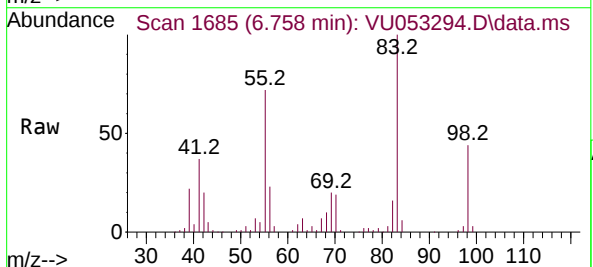
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

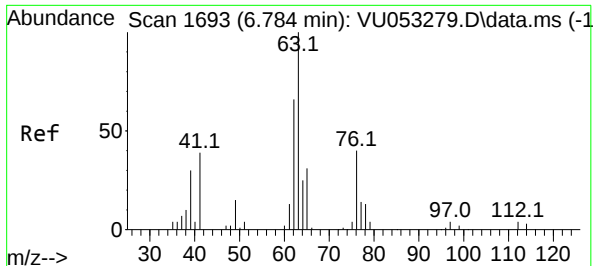
Tgt Ion: 95 Resp: 47871
Ion Ratio Lower Upper
95 100
97 59.7 43.8 81.3
132 83.4 61.5 114.3
130 85.8 63.3 117.5



#35
Methylcyclohexane
Concen: 41.424 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion: 83 Resp: 75492
Ion Ratio Lower Upper
83 100
55 71.4 58.2 87.4
98 44.7 35.4 53.2





#37

1,2-Dichloropropane

Concen: 45.988 ug/L

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

Instrument :

MSVOA_U

ClientSampleId :

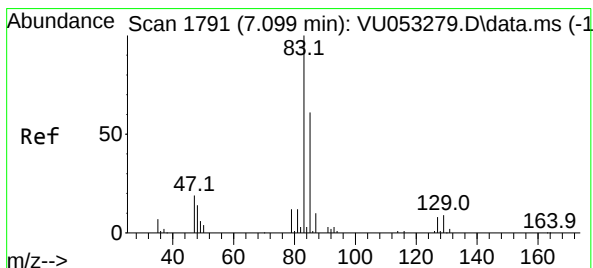
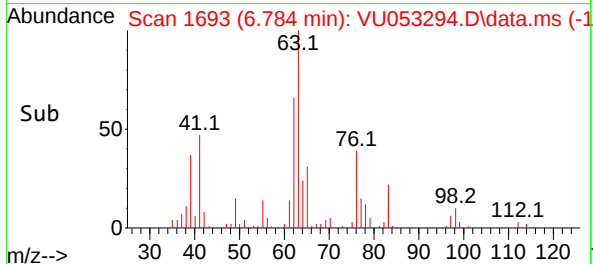
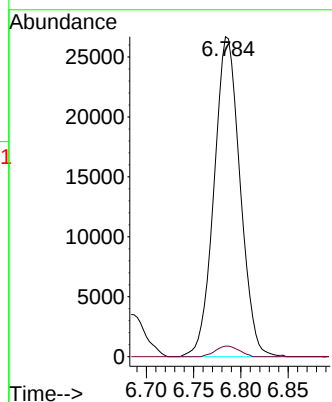
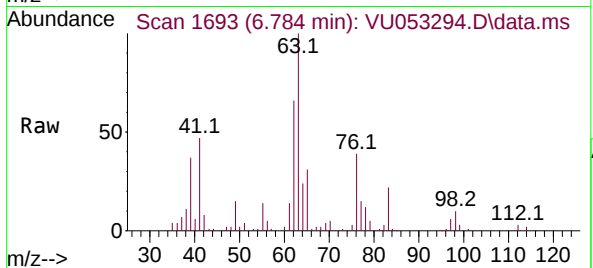
VSTD050166

Tgt Ion: 63 Resp: 51159

Ion Ratio Lower Upper

63 100

112 3.0 2.6 3.8



#38

Bromodichloromethane

Concen: 44.622 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

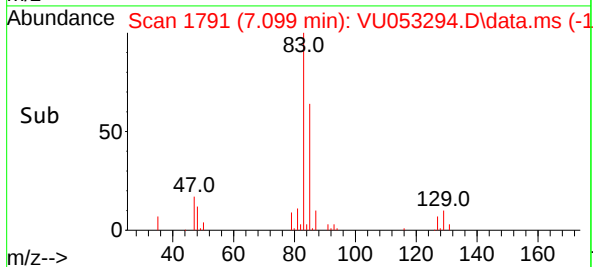
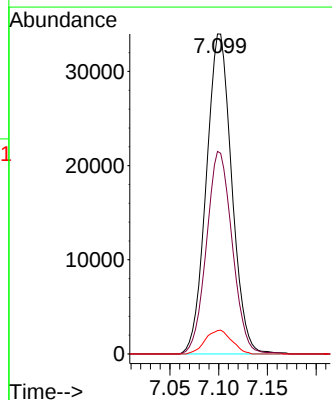
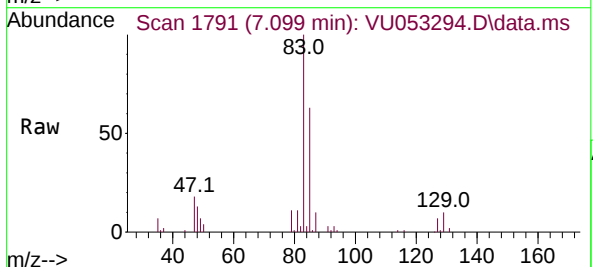
Tgt Ion: 83 Resp: 61776

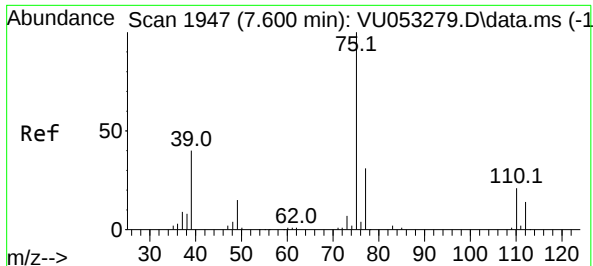
Ion Ratio Lower Upper

83 100

85 63.3 45.4 84.2

127 7.3 5.9 8.9

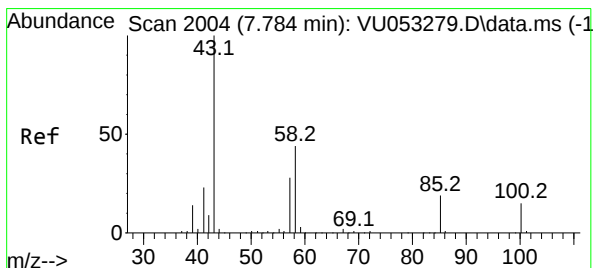
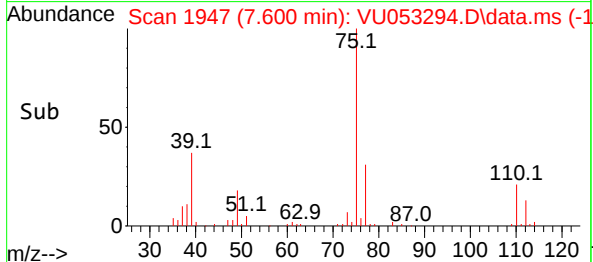
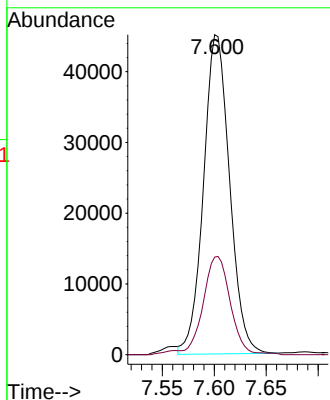
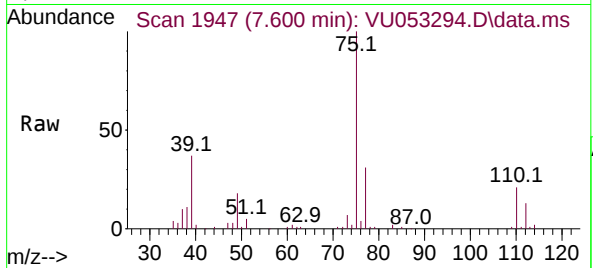




#39
 cis-1,3-Dichloropropene
 Concen: 43.096 ug/L
 RT: 7.600 min Scan# 1947
 Delta R.T. -0.000 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

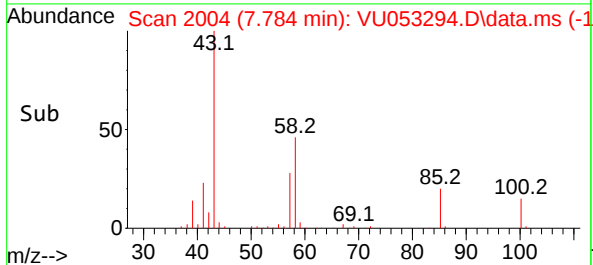
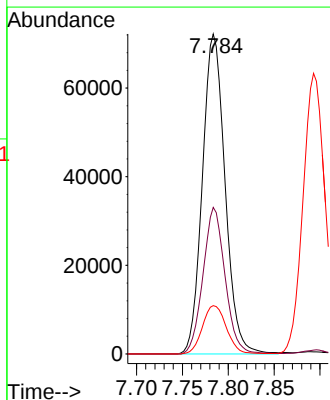
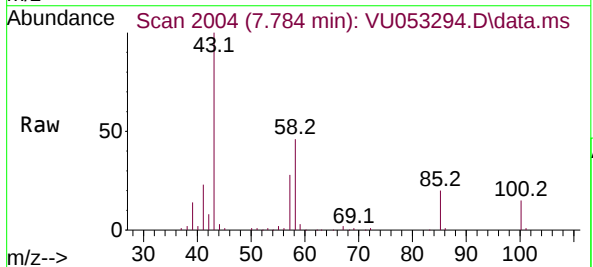
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050166

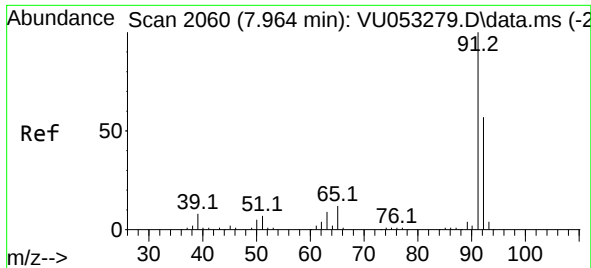
Tgt Ion: 75 Resp: 78766
 Ion Ratio Lower Upper
 75 100
 77 30.5 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 108.678 ug/L
 RT: 7.784 min Scan# 2004
 Delta R.T. -0.000 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

Tgt Ion: 43 Resp: 124265
 Ion Ratio Lower Upper
 43 100
 58 44.6 35.8 53.6
 100 16.0 13.0 19.6





#42

Toluene

Concen: 45.191 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

Instrument :

MSVOA_U

ClientSampleId :

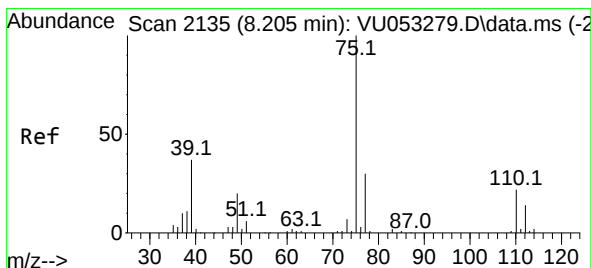
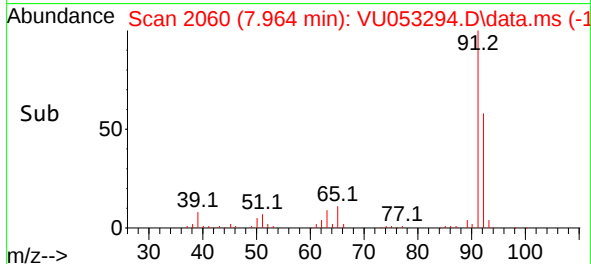
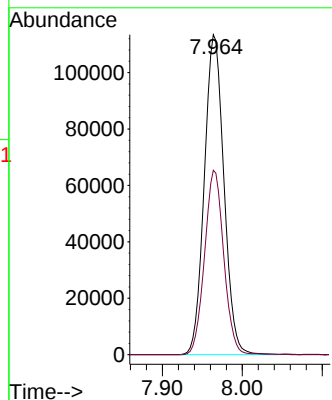
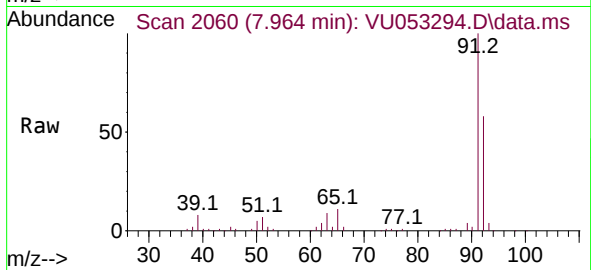
VSTD050166

Tgt Ion: 91 Resp: 193720

Ion Ratio Lower Upper

91 100

92 57.7 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 44.651 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU053294.D

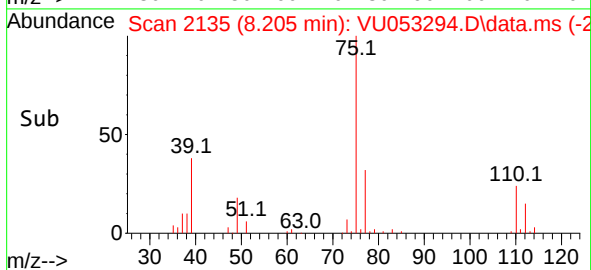
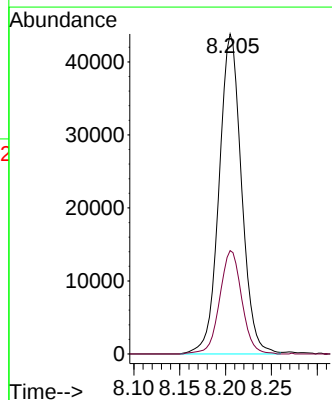
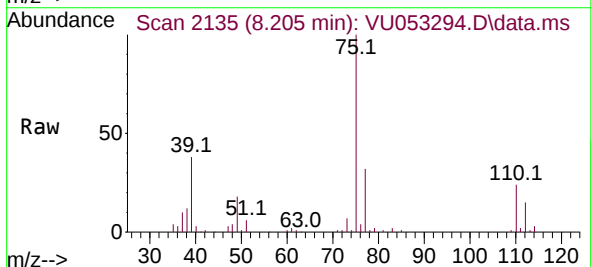
Acq: 18 Mar 2023 02:43

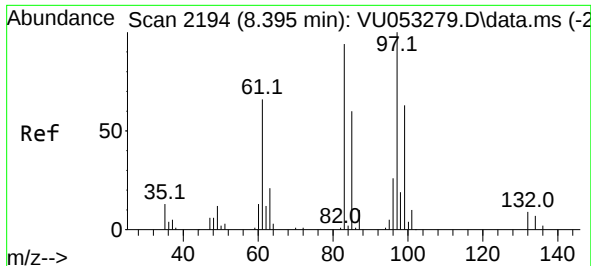
Tgt Ion: 75 Resp: 74598

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8



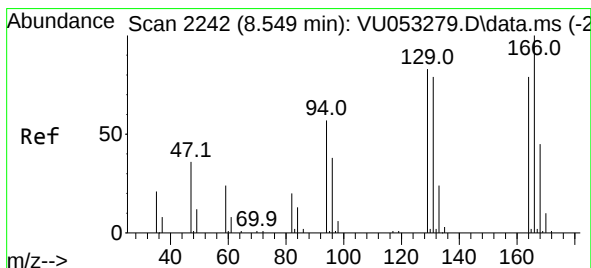
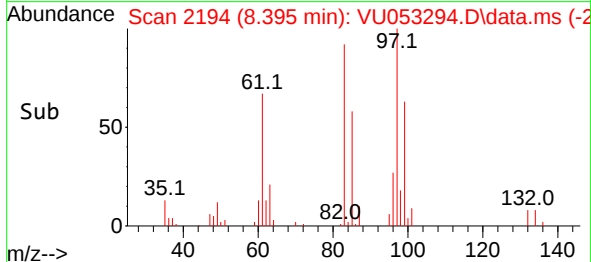
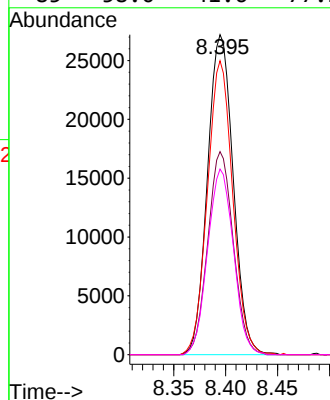
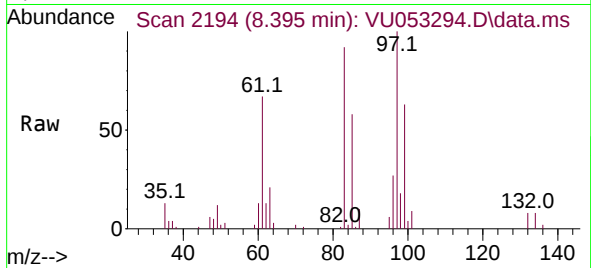


#45
1,1,2-Trichloroethane
Concen: 46.226 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

Tgt Ion: 97 Resp: 46825

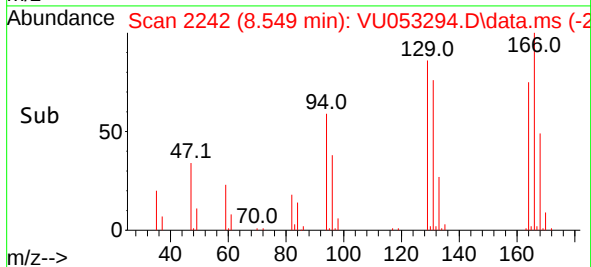
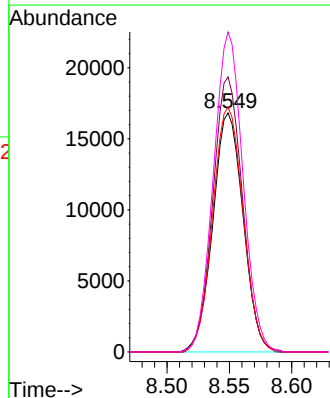
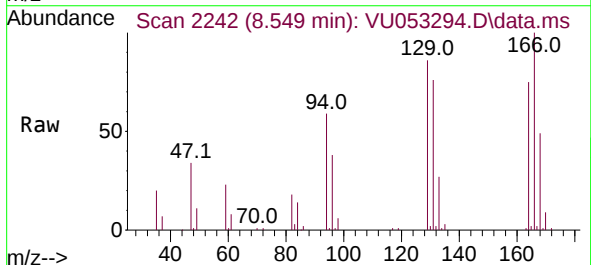
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.4	82.4
83	91.9	63.8	118.6
85	58.0	41.6	77.2

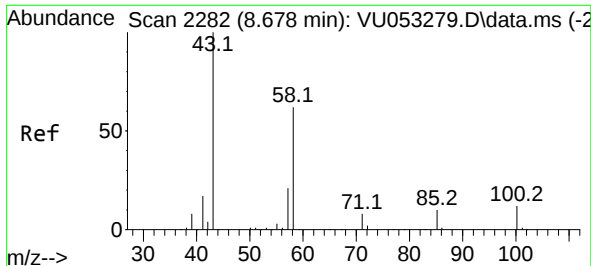


#46
Tetrachloroethene
Concen: 42.092 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion: 164 Resp: 28471

Ion	Ratio	Lower	Upper
164	100		
129	115.0	73.6	136.8
131	102.4	70.3	130.7
166	133.9	88.9	165.1

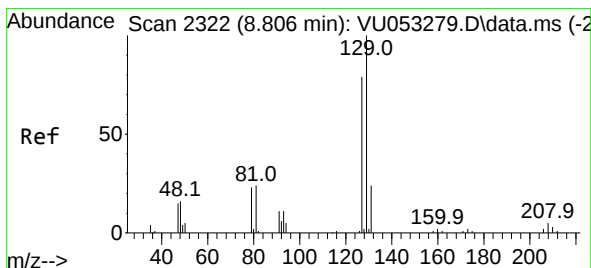
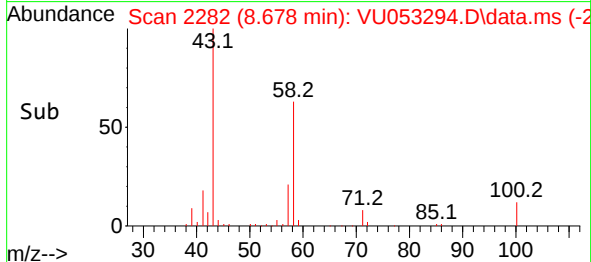
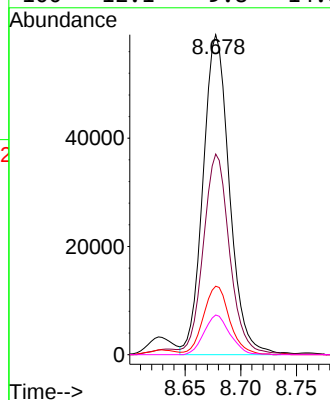
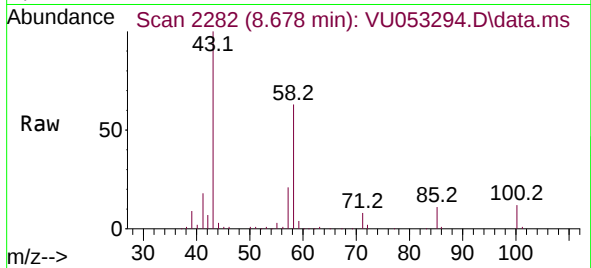




#48
2-Hexanone
Concen: 101.992 ug/L
RT: 8.678 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

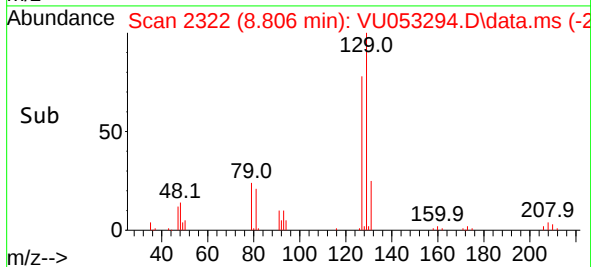
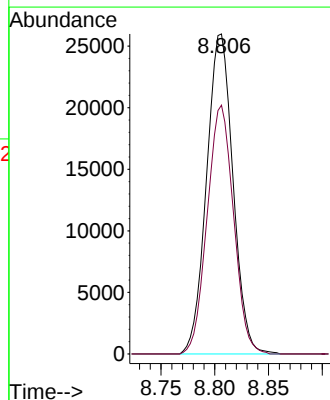
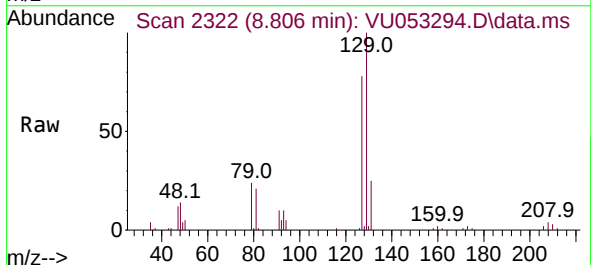
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

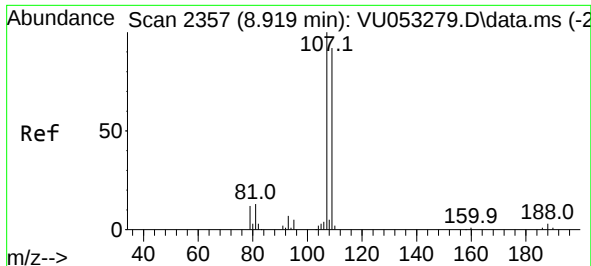
Tgt Ion:	43	Resp:	97657
Ion	Ratio	Lower	Upper
43	100		
58	62.1	49.4	74.0
57	21.3	16.9	25.3
100	12.1	9.8	14.8



#49
Dibromochloromethane
Concen: 42.846 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion:	129	Resp:	44397
Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.1	98.5

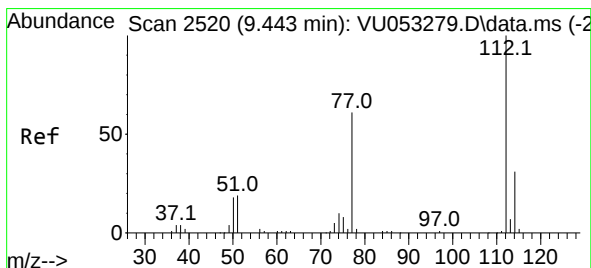
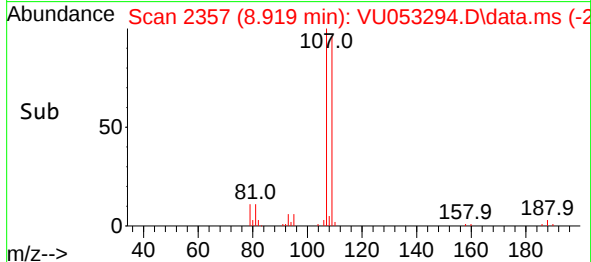
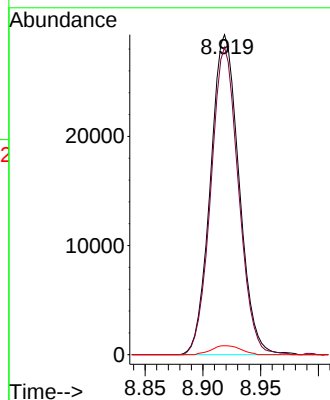
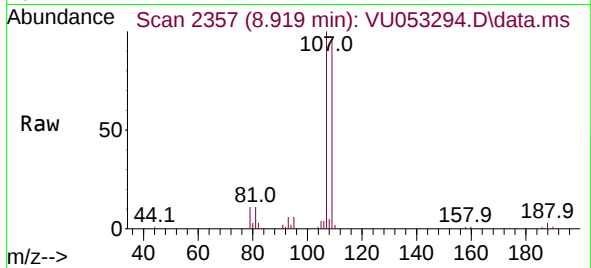




#50
1,2-Dibromoethane
Concen: 46.599 ug/L
RT: 8.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

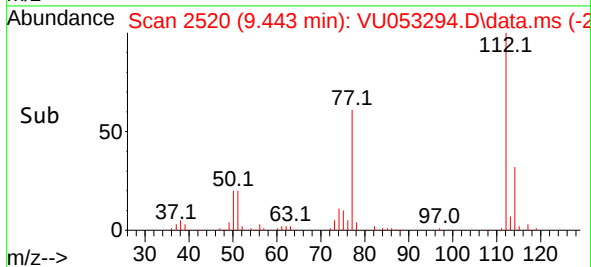
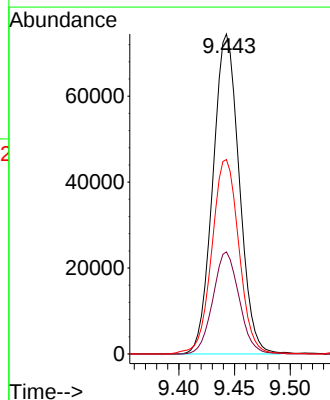
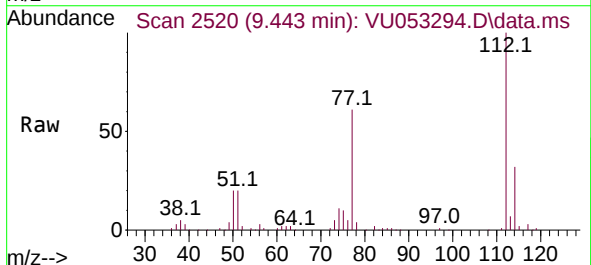
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

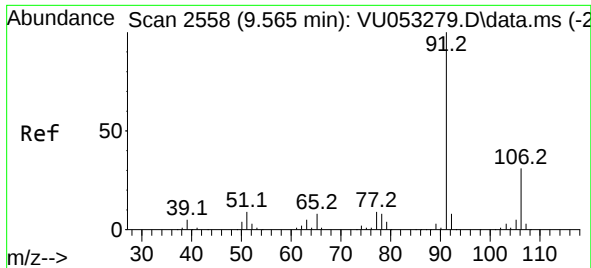
Tgt Ion:107 Resp: 50296
Ion Ratio Lower Upper
107 100
109 96.0 64.6 120.0
188 2.8 2.2 3.4



#51
Chlorobenzene
Concen: 45.930 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion:112 Resp: 122711
Ion Ratio Lower Upper
112 100
114 31.9 21.8 40.6
77 60.8 48.8 73.2

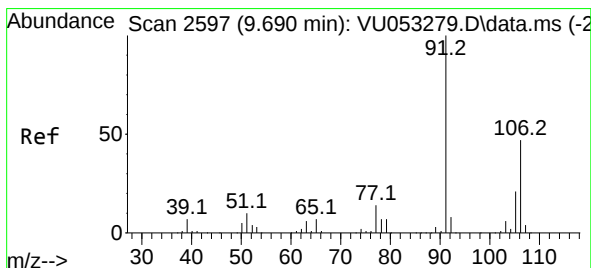
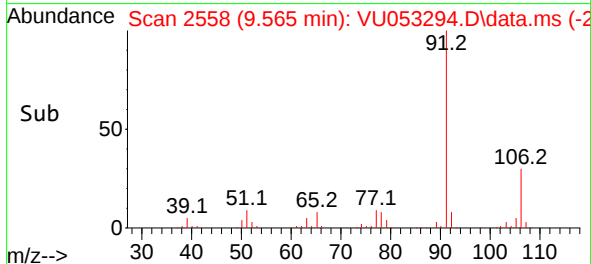
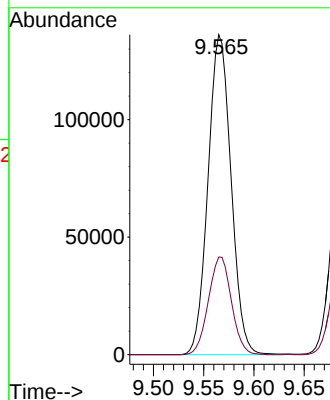
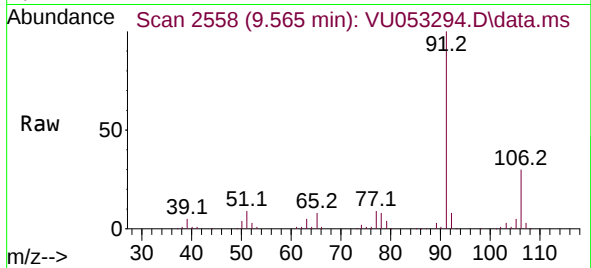




#52
Ethylbenzene
Concen: 44.604 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

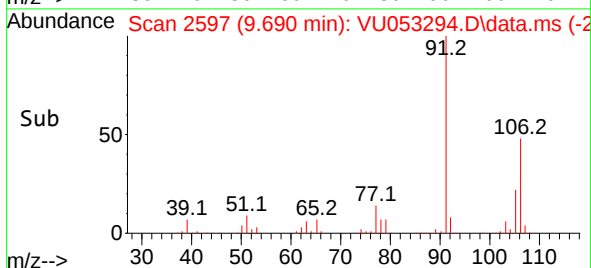
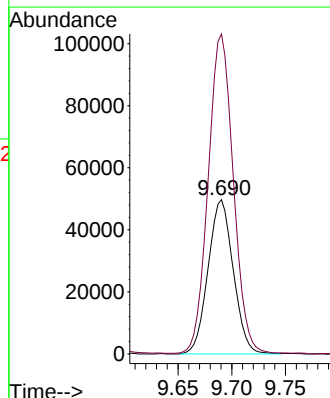
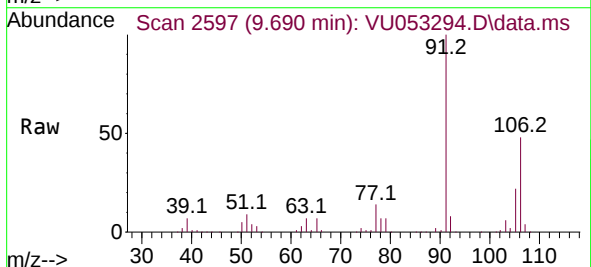
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

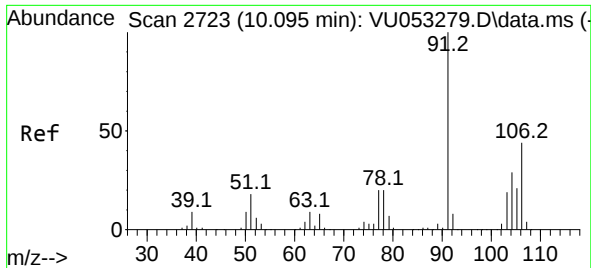
Tgt Ion: 91 Resp: 216827
Ion Ratio Lower Upper
91 100
106 30.5 21.6 40.0



#53
m,p-Xylene
Concen: 44.617 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion:106 Resp: 80953
Ion Ratio Lower Upper
106 100
91 207.4 145.3 269.8

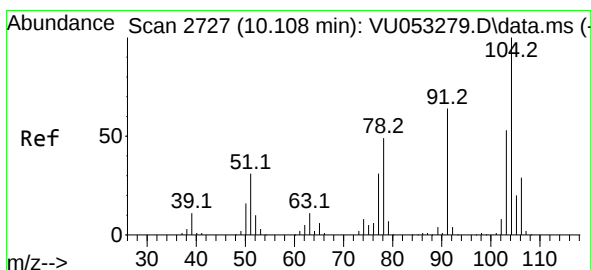
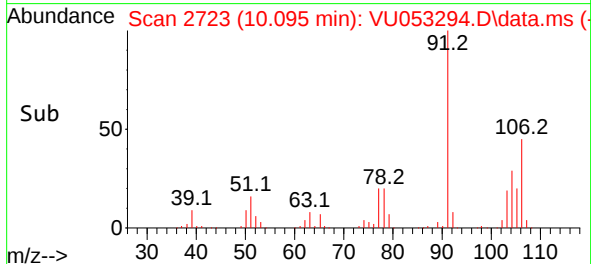
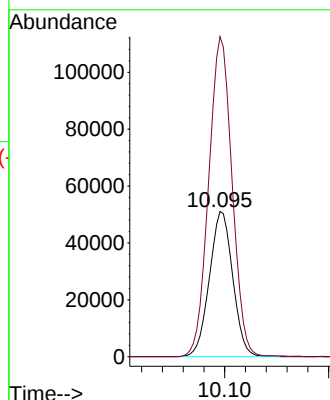
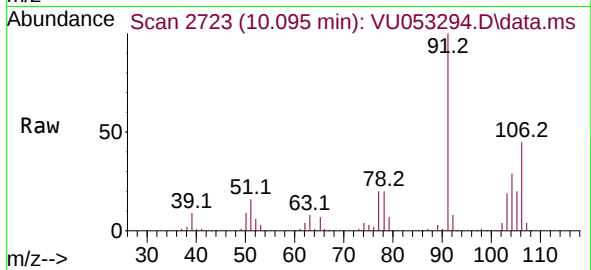




#54
o-Xylene
Concen: 44.315 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

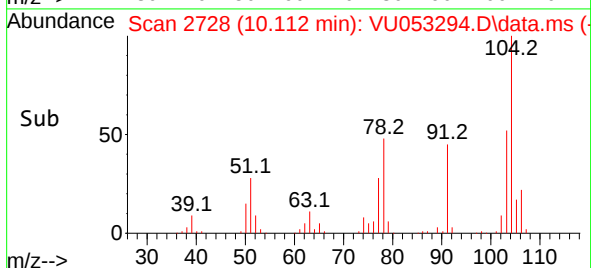
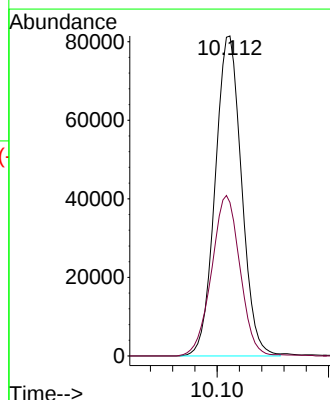
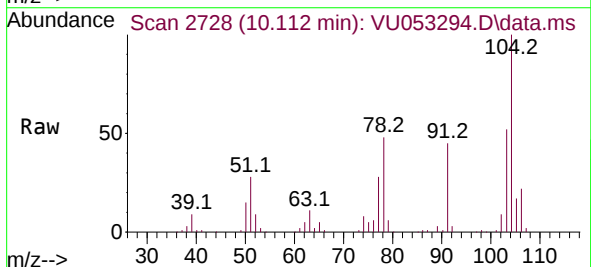
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

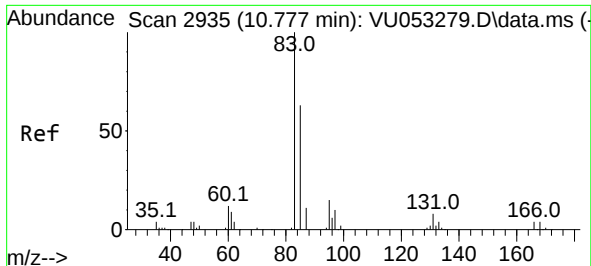
Tgt Ion:106 Resp: 79524
Ion Ratio Lower Upper
106 100
91 220.3 154.9 287.7



#55
Styrene
Concen: 44.804 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion:104 Resp: 134000
Ion Ratio Lower Upper
104 100
78 47.9 32.9 61.1

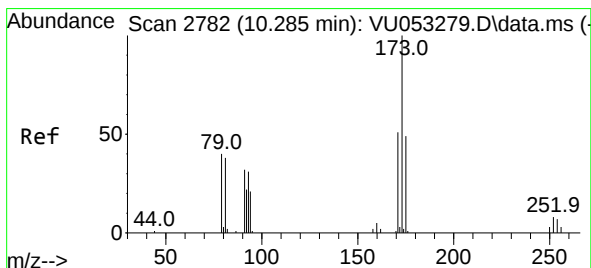
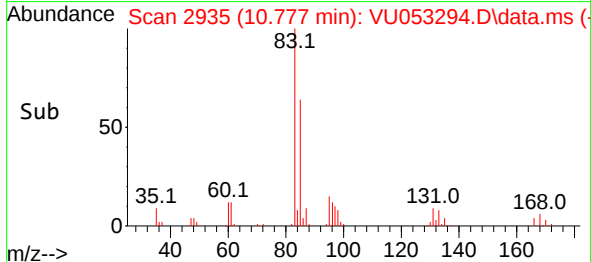
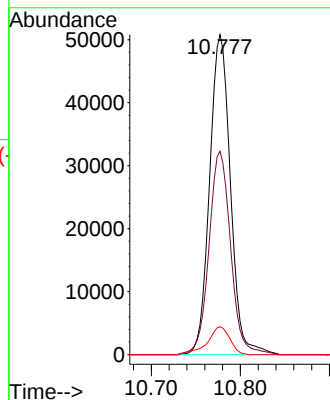
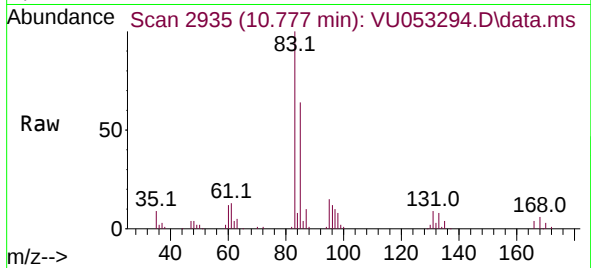




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.748 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

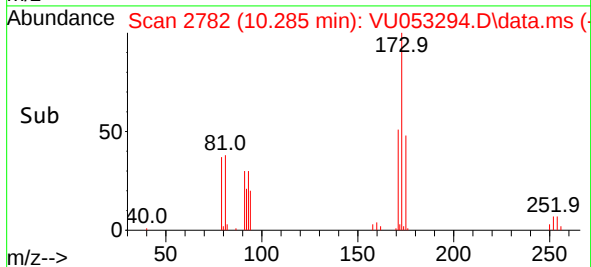
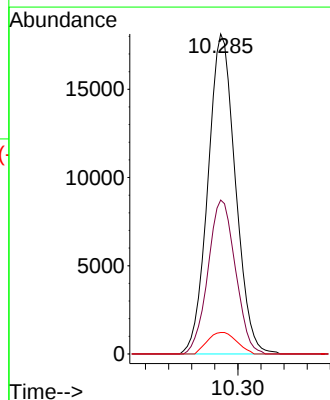
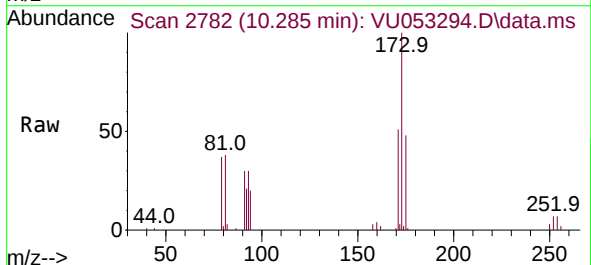
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050166

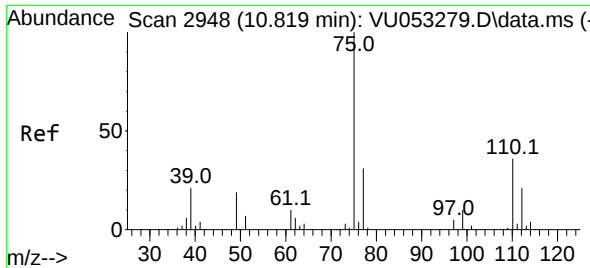
Tgt Ion: 83 Resp: 82619
 Ion Ratio Lower Upper
 83 100
 85 63.5 46.0 85.4
 131 8.7 6.6 10.0



#59
 Bromoform
 Concen: 46.851 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. -0.000 min
 Lab File: VU053294.D
 Acq: 18 Mar 2023 02:43

Tgt Ion: 173 Resp: 29930
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.5 57.7
 254 7.1 6.5 9.7

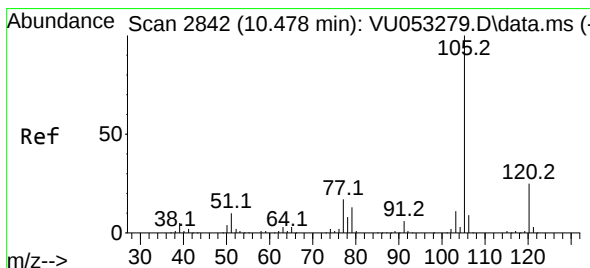
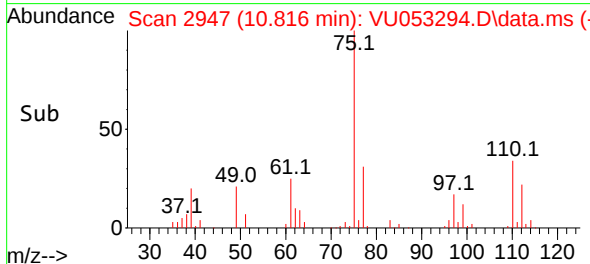
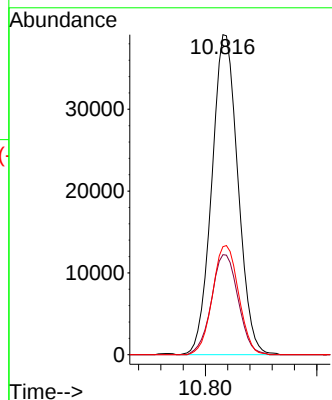
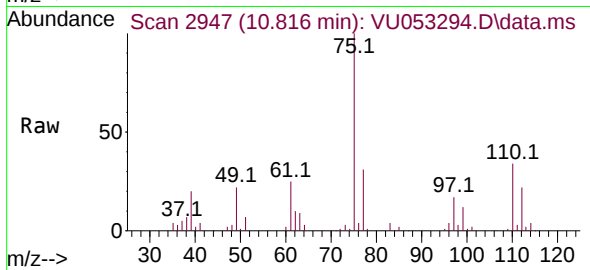




#60
1,2,3-Trichloropropane
Concen: 57.100 ug/L
RT: 10.816 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

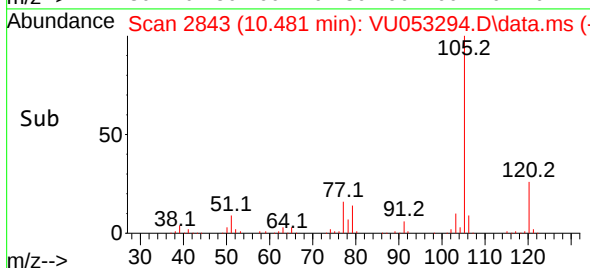
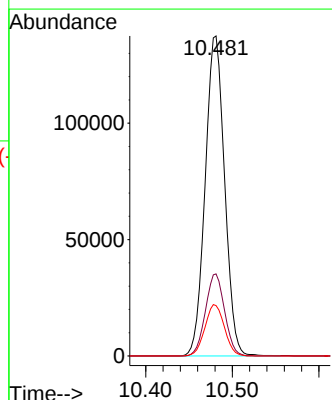
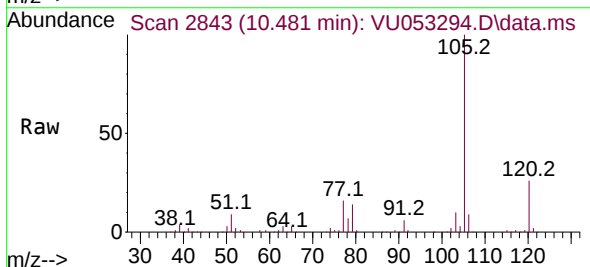
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

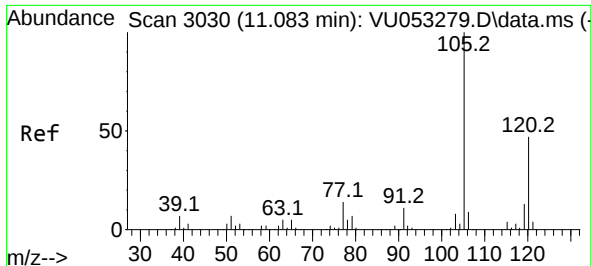
Tgt Ion: 75 Resp: 63694
Ion Ratio Lower Upper
75 100
77 32.0 26.6 40.0
110 34.0 28.6 42.8



#61
Isopropylbenzene
Concen: 48.247 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion: 105 Resp: 213995
Ion Ratio Lower Upper
105 100
120 25.3 20.4 30.6
77 16.1 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 46.574 ug/L

RT: 11.083 min Scan# 3030

Delta R.T. -0.000 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

Instrument :

MSVOA_U

ClientSampleId :

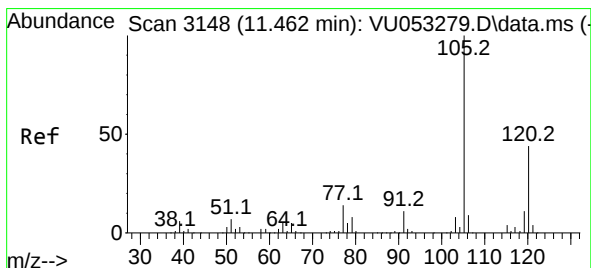
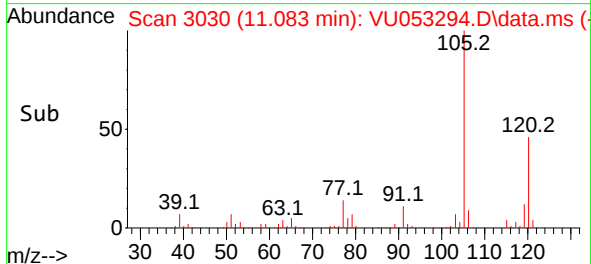
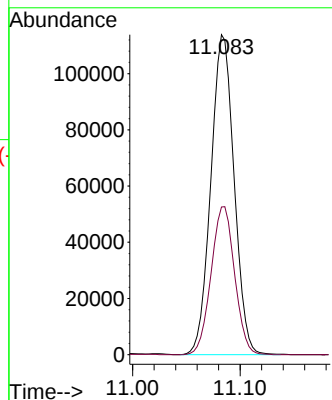
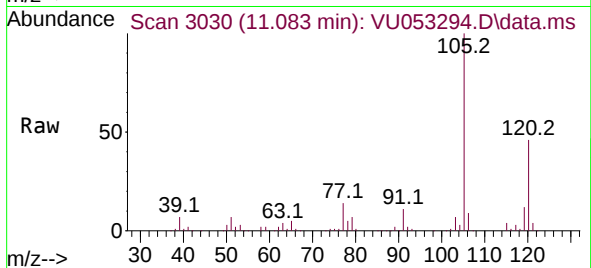
VSTD050166

Tgt Ion:105 Resp: 170991

Ion Ratio Lower Upper

105 100

120 46.8 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 47.131 ug/L

RT: 11.462 min Scan# 3148

Delta R.T. -0.000 min

Lab File: VU053294.D

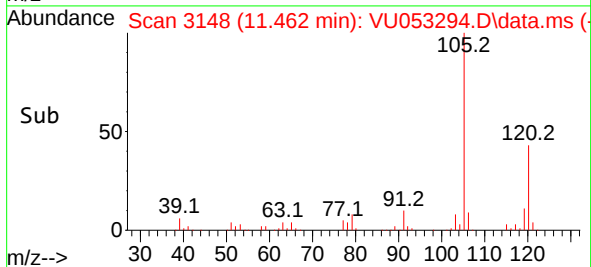
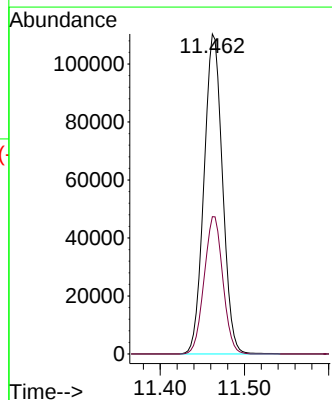
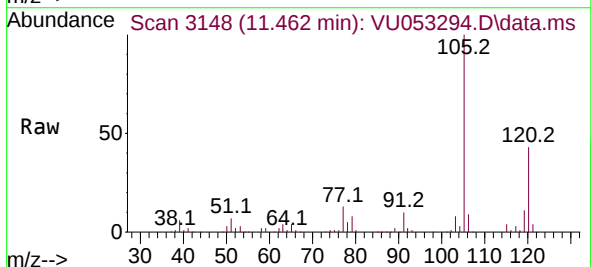
Acq: 18 Mar 2023 02:43

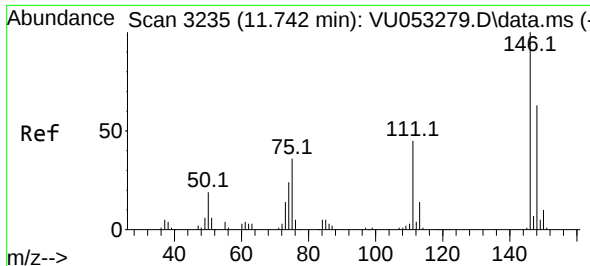
Tgt Ion:105 Resp: 168666

Ion Ratio Lower Upper

105 100

120 43.4 34.6 52.0

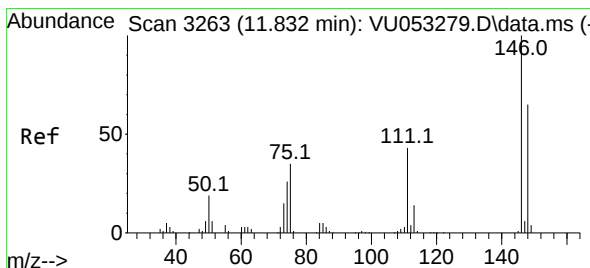
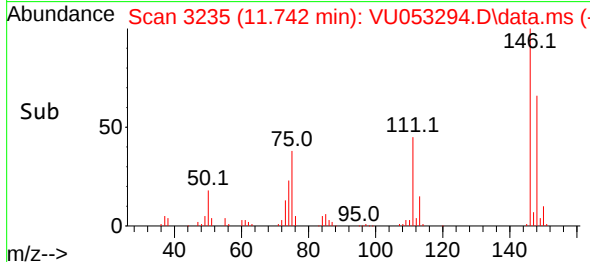
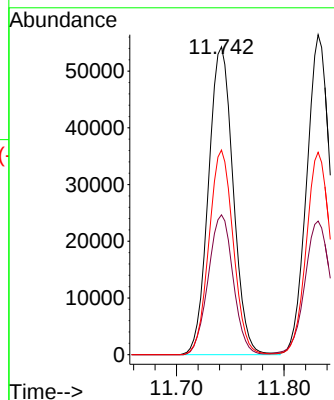
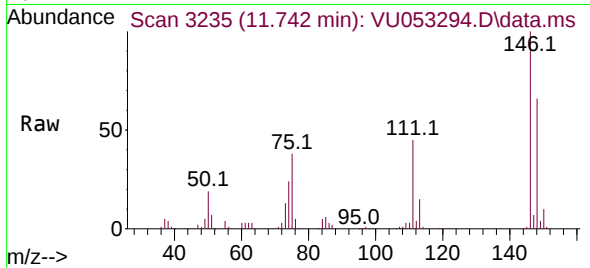




#64
1,3-Dichlorobenzene
Concen: 46.628 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

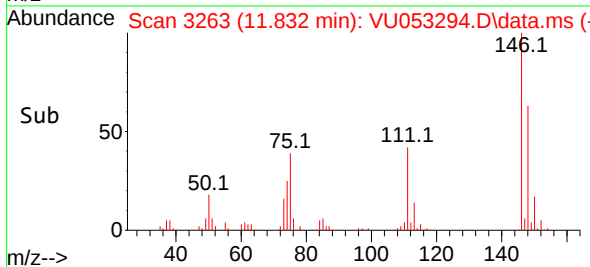
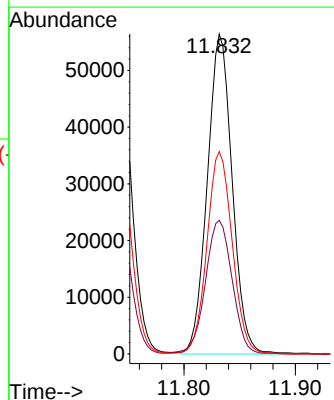
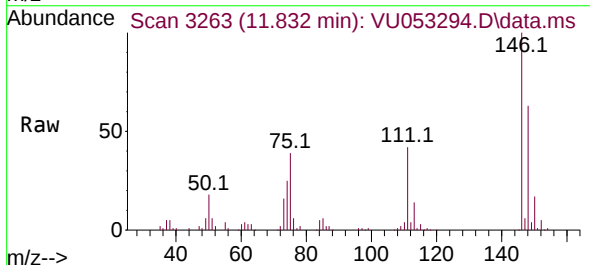
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

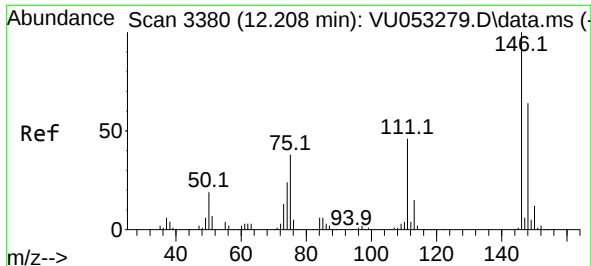
Tgt Ion:146 Resp: 86736
Ion Ratio Lower Upper
146 100
111 45.4 30.2 56.0
148 66.5 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 46.912 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion:146 Resp: 87604
Ion Ratio Lower Upper
146 100
111 41.8 30.7 57.1
148 63.2 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 47.038 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050166

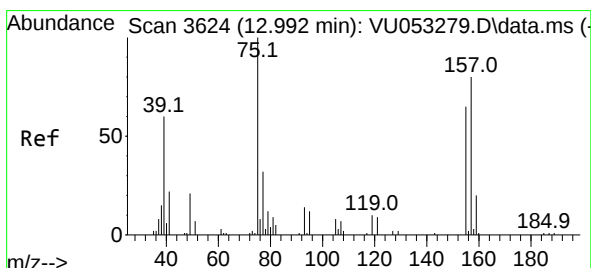
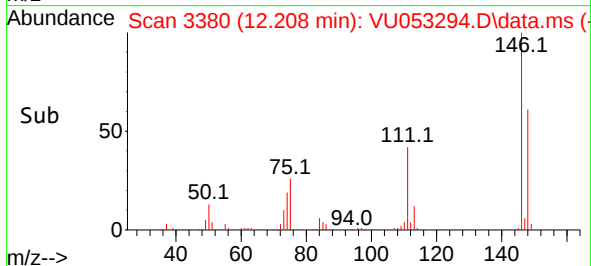
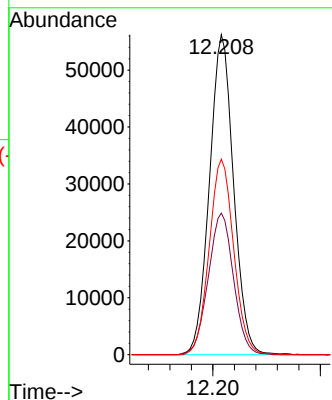
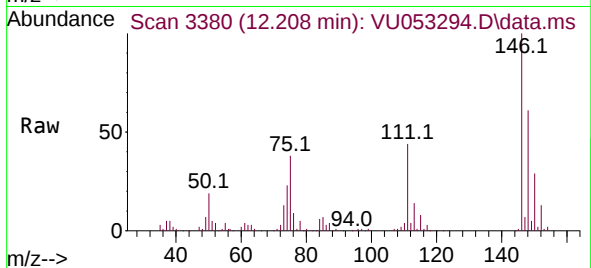
Tgt Ion:146 Resp: 87453

Ion Ratio Lower Upper

146 100

111 44.2 37.0 55.4

148 61.1 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 58.206 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.000 min

Lab File: VU053294.D

Acq: 18 Mar 2023 02:43

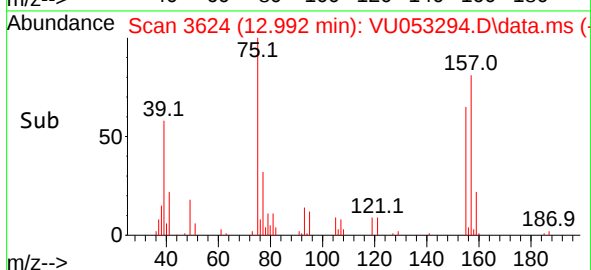
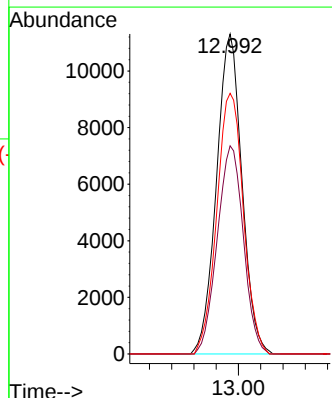
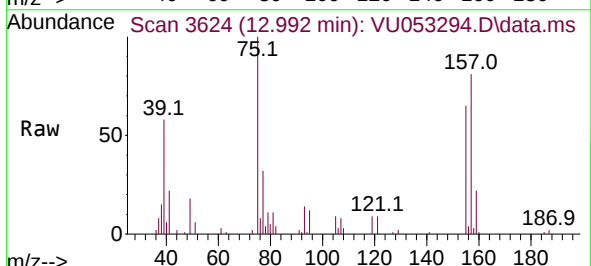
Tgt Ion: 75 Resp: 17954

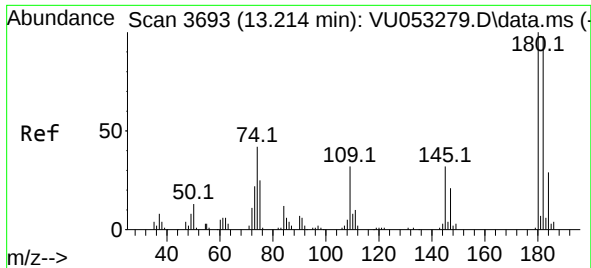
Ion Ratio Lower Upper

75 100

155 65.0 60.2 90.4

157 81.4 73.0 109.4

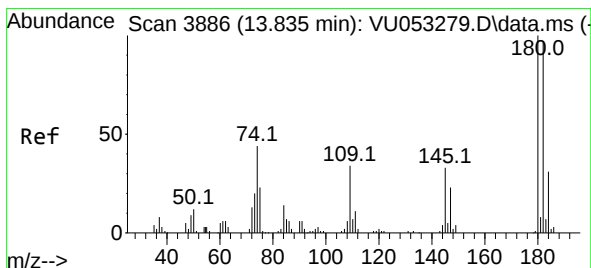
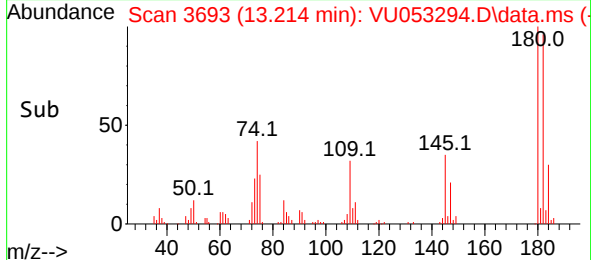
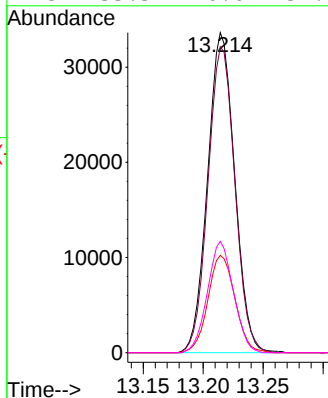
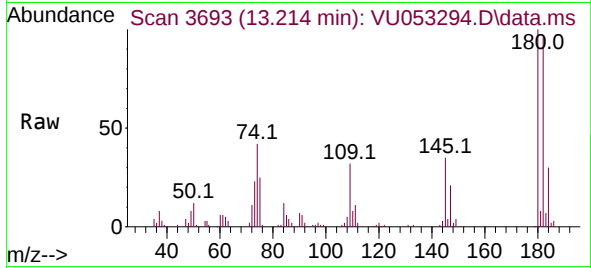




#69
1,3,5-Trichlorobenzene
Concen: 44.688 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

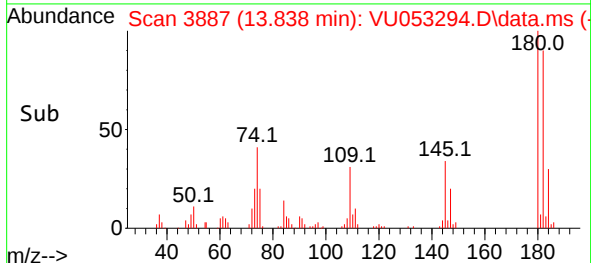
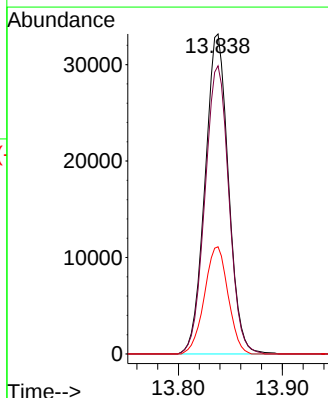
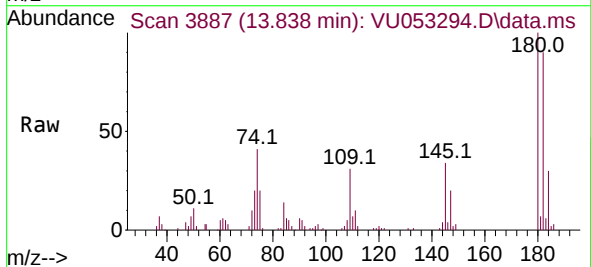
Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

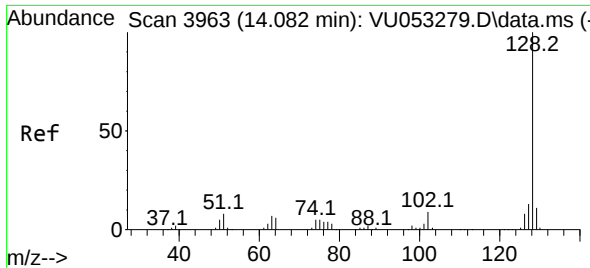
Tgt Ion:180	Resp:	52703
Ion Ratio	Lower	Upper
180	100	
182	95.0	74.5 111.7
184	30.4	23.2 34.8
145	33.3	26.6 39.8



#70
1,2,4-trichlorobenzene
Concen: 49.060 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion:180	Resp:	51988
Ion Ratio	Lower	Upper
180	100	
182	91.9	75.8 113.8
145	33.8	27.2 40.8

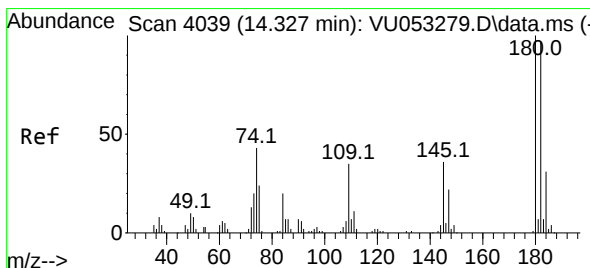
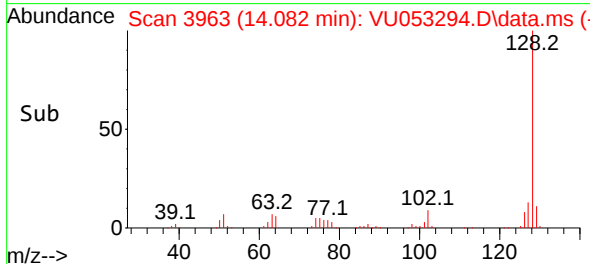
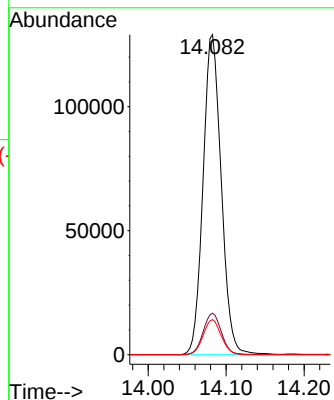
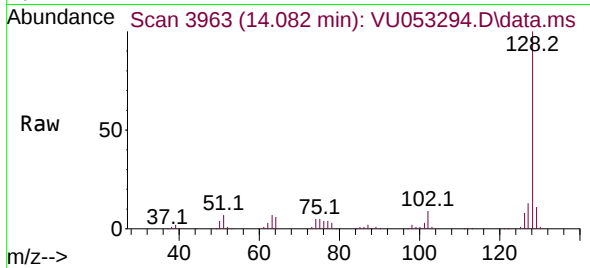




#71
Naphthalene
Concen: 58.558 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD050166

Tgt Ion:128 Resp: 209150
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 52.476 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU053294.D
Acq: 18 Mar 2023 02:43

Tgt Ion:180 Resp: 52734
Ion Ratio Lower Upper
180 100
182 93.1 76.7 115.1
145 33.7 28.6 42.8

