

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072022\
 Data File : U049816.D
 Acq On : 20 Jul 2022 20:48
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050172

Quant Time: Jul 21 04:27:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 21 04:19:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	186245	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	178391	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	88196	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	68771	43.763	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.520%
7) Chloroethane-d5	1.900	69	52962	46.626	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.260%
11) 1,1-Dichloroethene-d2	2.562	63	120409	43.379	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.760%
21) 2-Butanone-d5	4.620	46	151469	112.912	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.910%
24) Chloroform-d	5.063	84	139196	50.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.020%
26) 1,2-Dichloroethane-d4	5.700	65	94696	50.271	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.540%
32) Benzene-d6	5.726	84	249492	46.036	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.080%
36) 1,2-Dichloropropane-d6	6.690	67	88727	48.674	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.340%
41) Toluene-d8	7.896	98	209003	44.285	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.560%
43) trans-1,3-Dichloroprop...	8.179	79	36714	47.803	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.600%
47) 2-Hexanone-d5	8.632	63	80317	97.950	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.950%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	131374	51.507	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.020%
66) 1,2-Dichlorobenzene-d4	12.192	152	78946	47.475	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	104847	46.963	ug/L	100
3) Chloromethane	1.520	50	125235	51.112	ug/L	100
5) Vinyl chloride	1.601	62	107609	48.602	ug/L	100
6) Bromomethane	1.838	94	53673	52.468	ug/L	96
8) Chloroethane	1.922	64	59411	48.439	ug/L	95
9) Trichlorofluoromethane	2.131	101	134605	49.228	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	69378	48.355	ug/L	99
12) 1,1-Dichloroethene	2.575	96	65580	49.249	ug/L	95
13) Acetone	2.623	43	117958	92.525	ug/L	97
14) Carbon disulfide	2.787	76	187735	41.808	ug/L	98
15) Methyl Acetate	2.945	43	127026	61.330	ug/L	100
16) Methylene chloride	3.041	84	92143	54.950	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	71827	49.309	ug/L	98
18) Methyl tert-butyl Ether	3.363	73	278487	55.815	ug/L	100
19) 1,1-Dichloroethane	3.867	63	164050	54.094	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	87804	53.633	ug/L	98
22) 2-Butanone	4.700	43	195581	114.585	ug/L	100
23) Bromochloromethane	4.973	128	45803	56.071	ug/L	94
25) Chloroform	5.086	83	169116	55.612	ug/L	98

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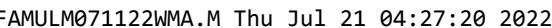
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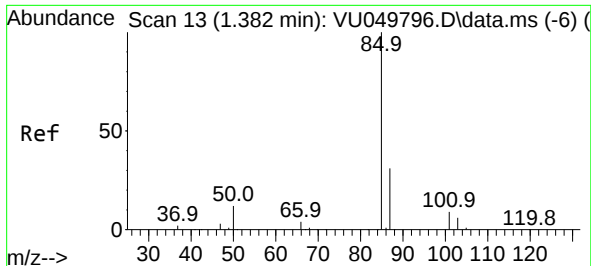
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 21 04:19:56 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	141780	54.753	ug/L	99
29) Cyclohexane	5.385	56	123935	44.509	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	136154	52.720	ug/L	98
31) Carbon tetrachloride	5.523	117	112552	53.284	ug/L	100
33) Benzene	5.774	78	352828	52.618	ug/L	100
34) Trichloroethene	6.539	95	82179	50.701	ug/L	98
35) Methylcyclohexane	6.761	83	113423	44.531	ug/L	97
37) 1,2-Dichloropropane	6.790	63	103170	55.510	ug/L	100
38) Bromodichloromethane	7.105	83	126898	55.069	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	133260	53.163	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	356353	118.436	ug/L	99
42) Toluene	7.970	91	355486	53.342	ug/L	96
44) trans-1,3-Dichloropropene	8.211	75	129060	54.836	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	91843	56.614	ug/L	96
46) Tetrachloroethene	8.552	164	55010	48.934	ug/L	97
48) 2-Hexanone	8.684	43	293544	122.086	ug/L	99
49) Dibromochloromethane	8.809	129	93009	57.003	ug/L	97
50) 1,2-Dibromoethane	8.922	107	94926	58.906	ug/L	100
51) Chlorobenzene	9.446	112	211737	52.465	ug/L	99
52) Ethylbenzene	9.568	91	362705	51.575	ug/L	96
53) m,p-Xylene	9.693	106	133717	52.291	ug/L	97
54) o-Xylene	10.099	106	136262	52.920	ug/L	96
55) Styrene	10.115	104	233528	54.957	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.780	83	168186	57.916	ug/L	99
59) Bromoform	10.292	173	67046	56.678	ug/L	97
60) 1,2,3-Trichloropropane	10.822	75	135420	57.646	ug/L	100
61) Isopropylbenzene	10.484	105	340142	51.650	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	294024	52.930	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	283283	51.333	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	148094	51.514	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	143230	49.599	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	156152	52.236	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	40992	59.552	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	99652	49.469	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	82744	44.760	ug/L	97
71) Naphthalene	14.086	128	315648	47.764	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	92406	48.256	ug/L	99

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

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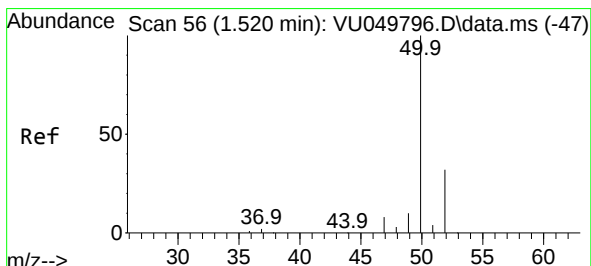
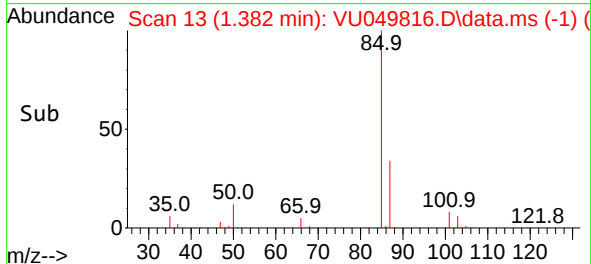
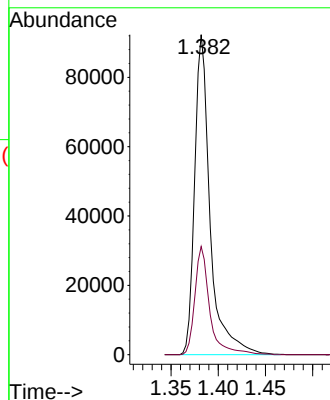
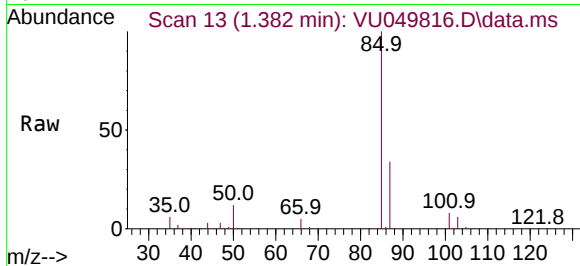




#2
Dichlorodifluoromethane
Concen: 46.963 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

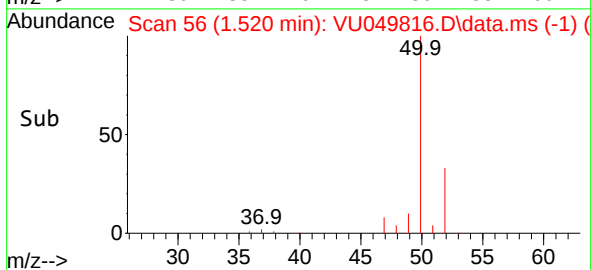
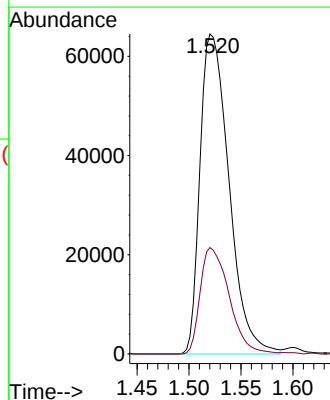
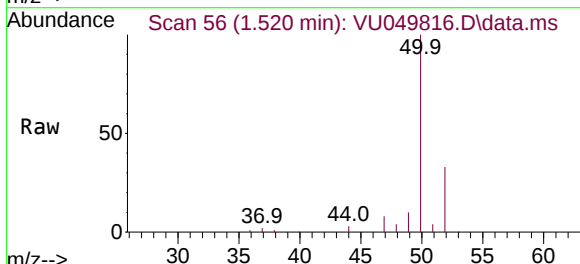
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

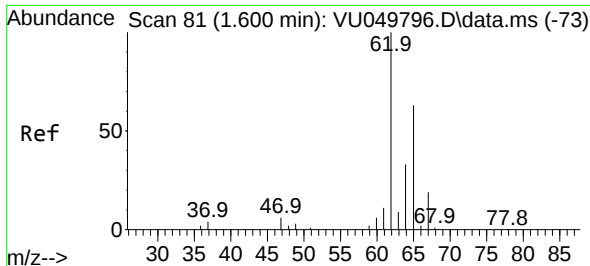
Tgt Ion: 85 Resp: 104847
Ion Ratio Lower Upper
85 100
87 32.7 26.3 39.5



#3
Chloromethane
Concen: 51.112 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion: 50 Resp: 125235
Ion Ratio Lower Upper
50 100
52 33.3 23.2 43.0

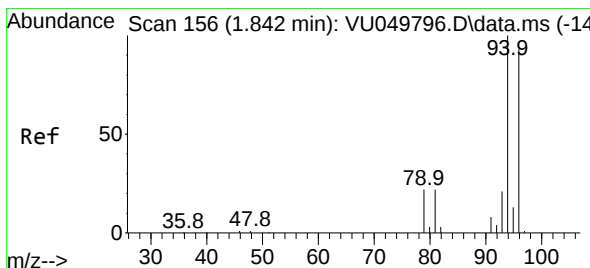
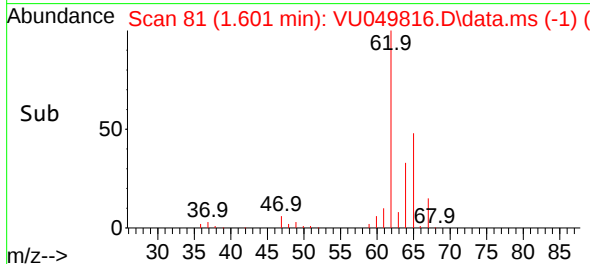
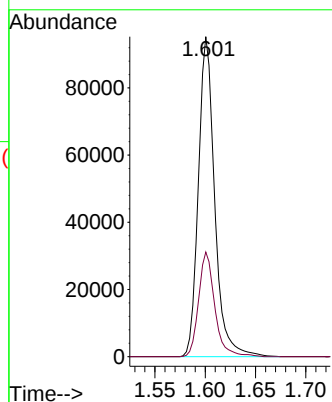
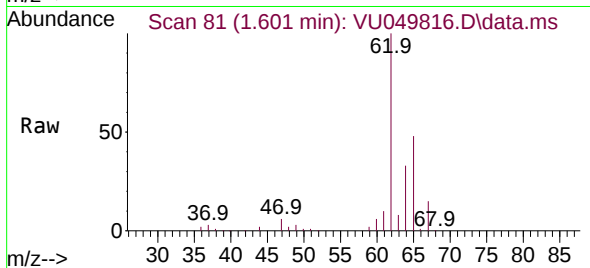




#5
 Vinyl chloride
 Concen: 48.602 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049816.D
 Acq: 20 Jul 2022 20:48

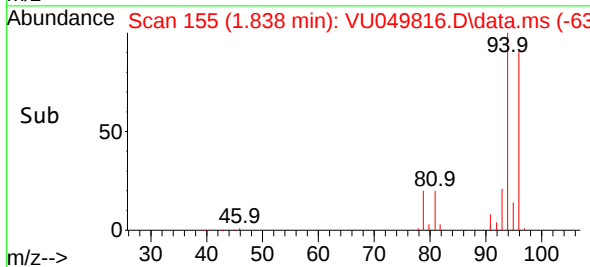
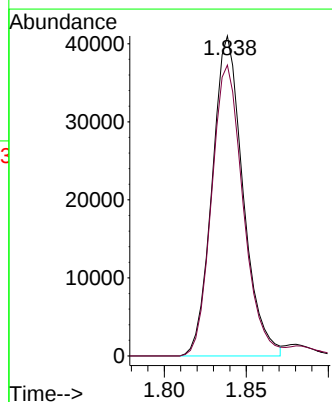
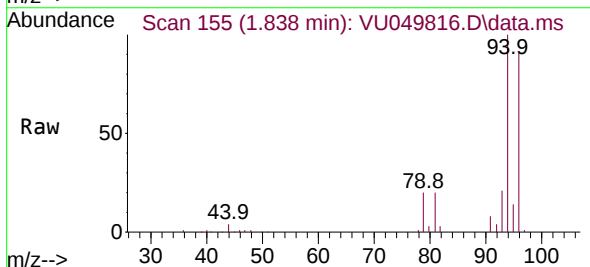
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050172

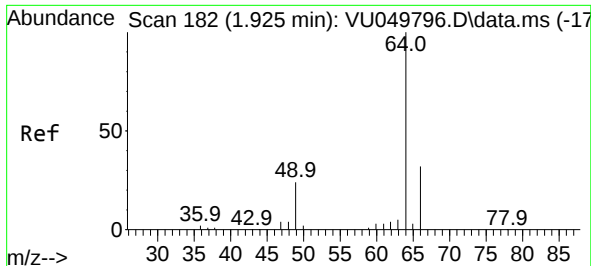
Tgt Ion: 62 Resp: 107609
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.0 42.6



#6
 Bromomethane
 Concen: 52.468 ug/L
 RT: 1.838 min Scan# 155
 Delta R.T. -0.003 min
 Lab File: VU049816.D
 Acq: 20 Jul 2022 20:48

Tgt Ion: 94 Resp: 53673
 Ion Ratio Lower Upper
 94 100
 96 90.9 66.1 122.7

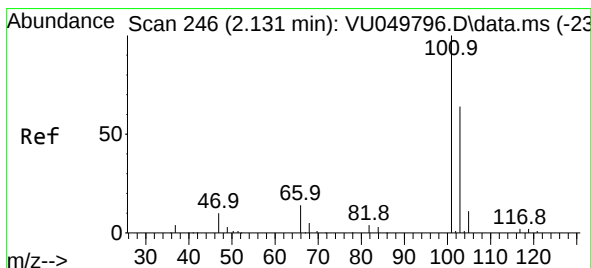
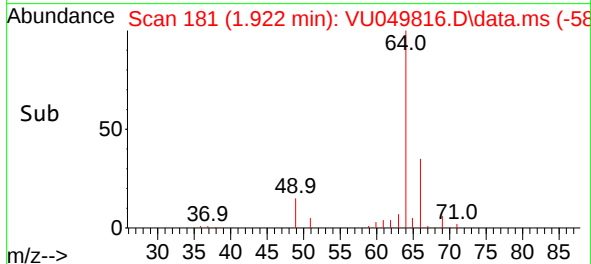
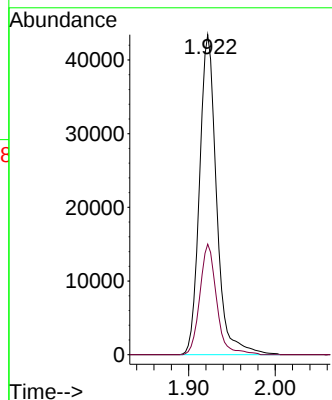
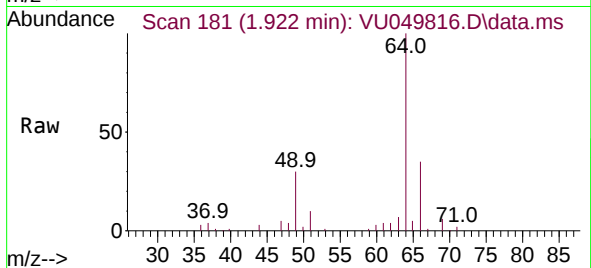




#8
Chloroethane
Concen: 48.439 ug/L
RT: 1.922 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

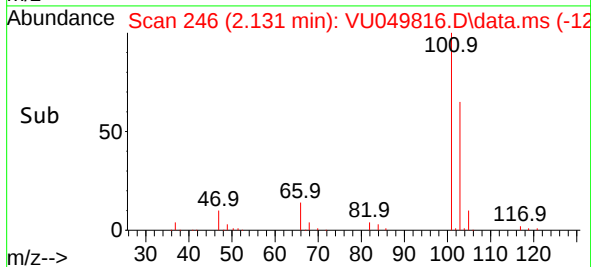
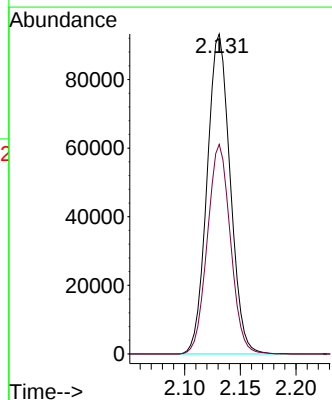
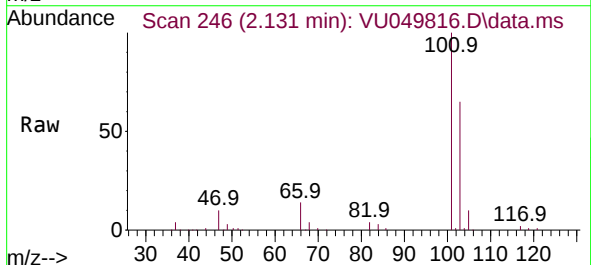
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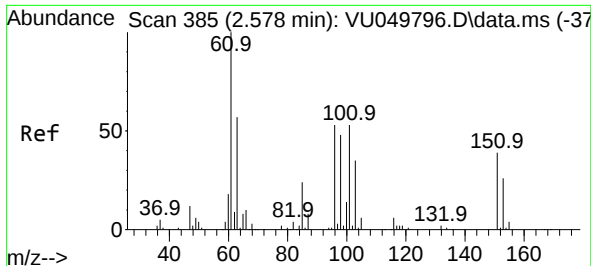
Tgt Ion: 64 Resp: 59411
Ion Ratio Lower Upper
64 100
66 34.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 49.228 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion:101 Resp: 134605
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 48.355 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172

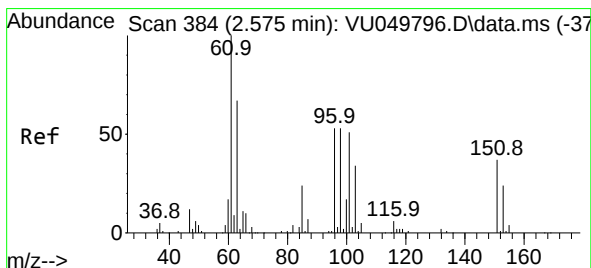
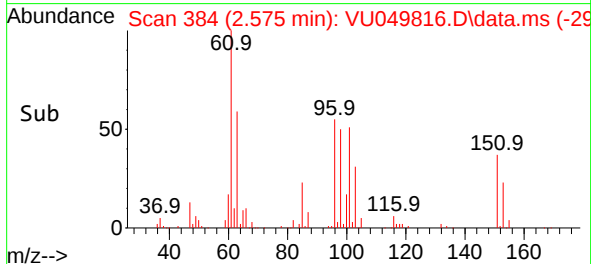
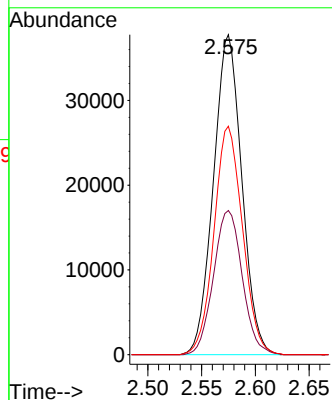
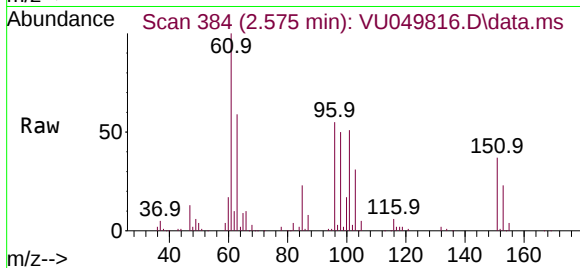
Tgt Ion:101 Resp: 69378

Ion Ratio Lower Upper

101 100

85 45.6 37.3 55.9

151 71.8 56.9 85.3



#12

1,1-Dichloroethene

Concen: 49.249 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

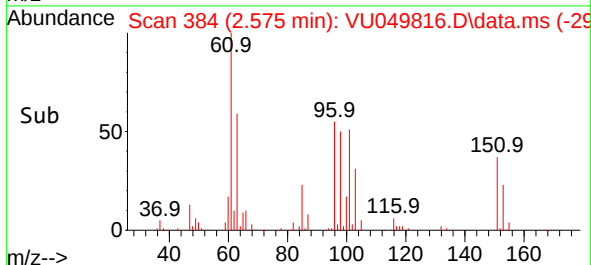
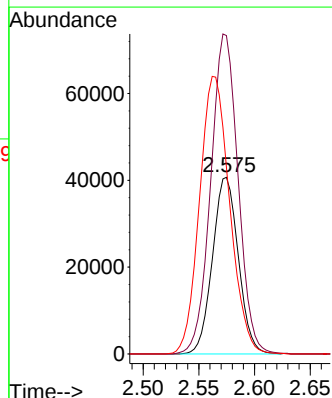
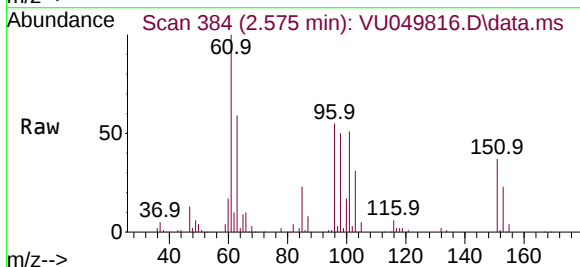
Tgt Ion: 96 Resp: 65580

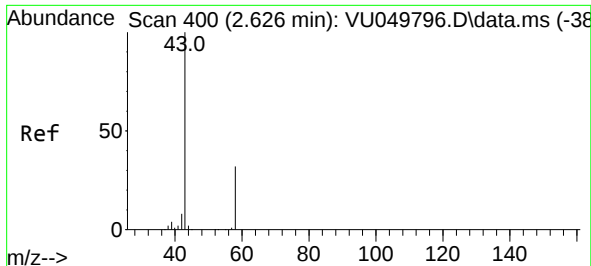
Ion Ratio Lower Upper

96 100

61 180.2 129.6 240.6

63 105.6 79.0 146.6





#13

Acetone

Concen: 92.525 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

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MSVOA_U

ClientSampleId :

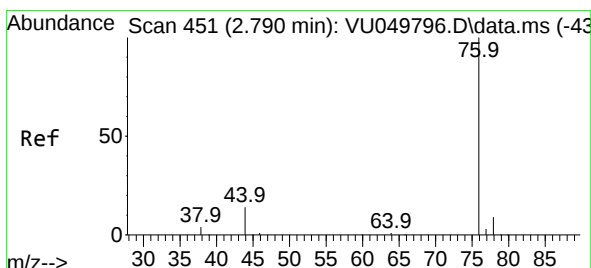
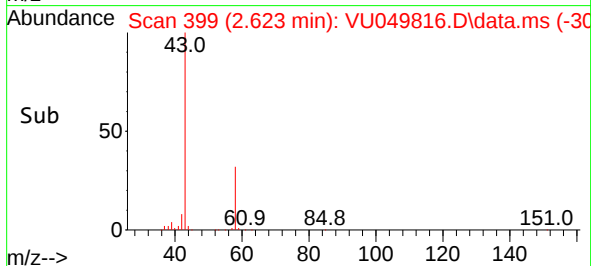
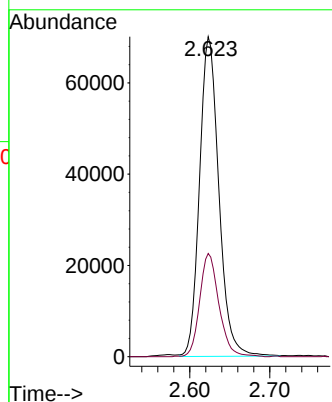
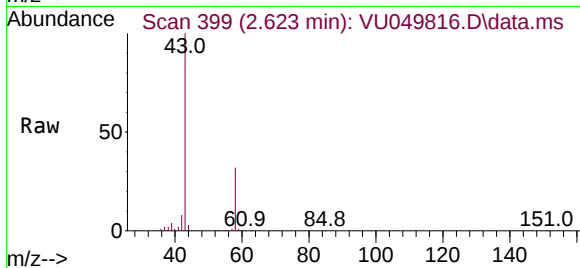
VSTD050172

Tgt Ion: 43 Resp: 117958

Ion Ratio Lower Upper

43 100

58 32.1 0.0 61.4



#14

Carbon disulfide

Concen: 41.808 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049816.D

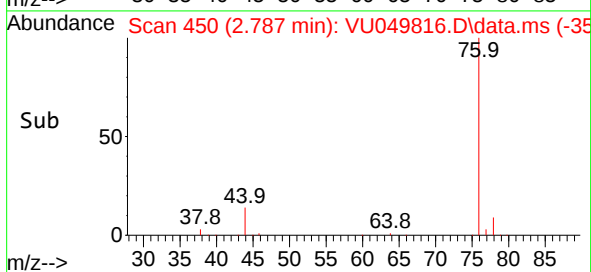
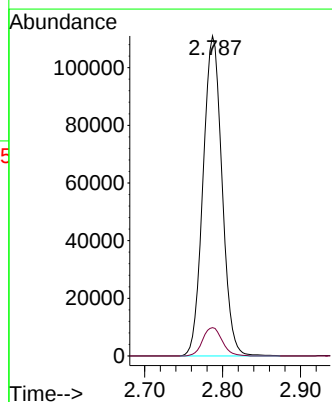
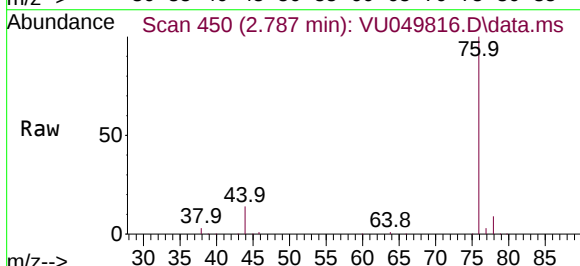
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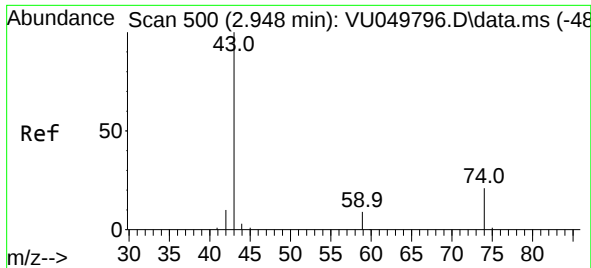
Tgt Ion: 76 Resp: 187735

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

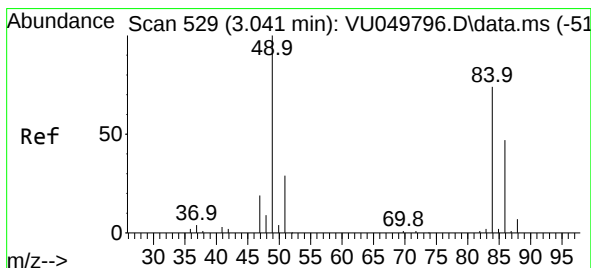
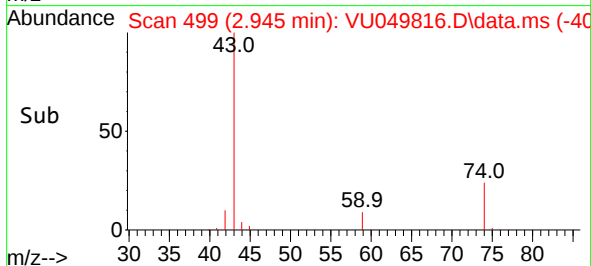
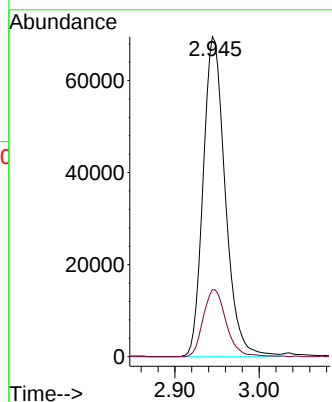
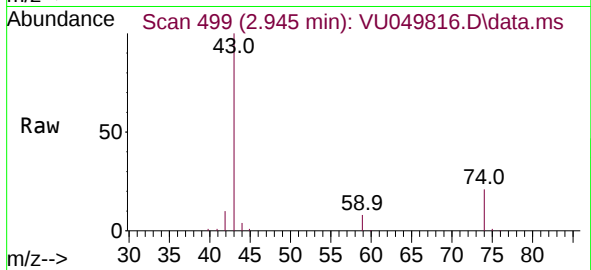




#15
Methyl Acetate
Concen: 61.330 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

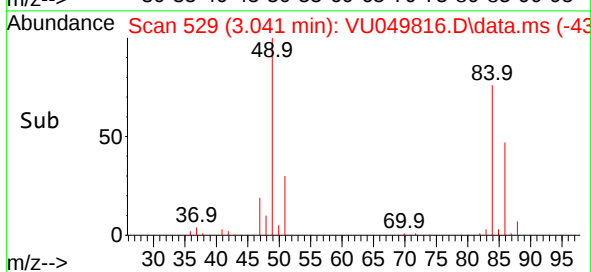
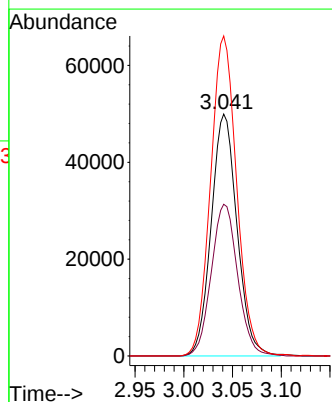
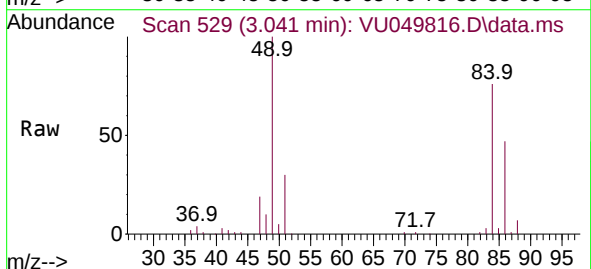
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

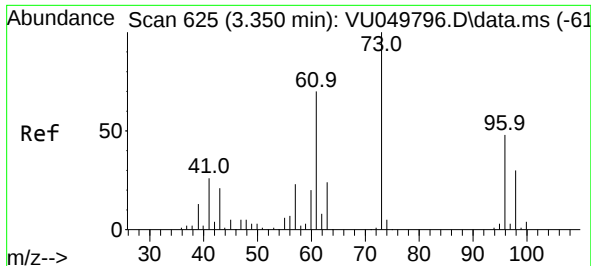
Tgt Ion: 43 Resp: 127026
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.0



#16
Methylene chloride
Concen: 54.950 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion: 84 Resp: 92143
Ion Ratio Lower Upper
84 100
86 62.7 45.6 84.6
49 132.2 94.4 175.4

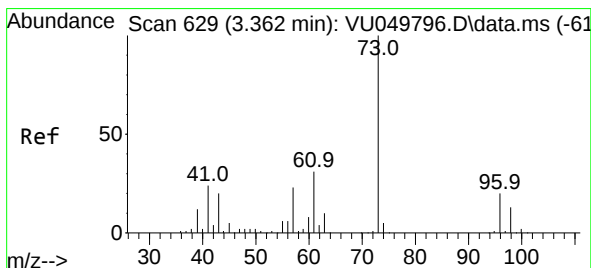
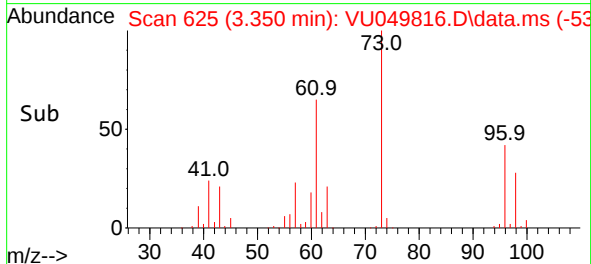
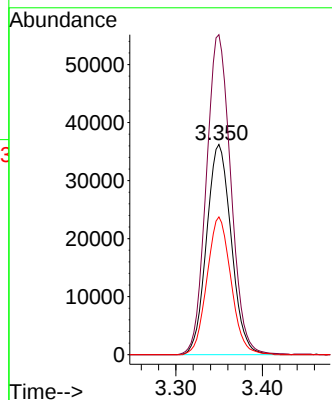
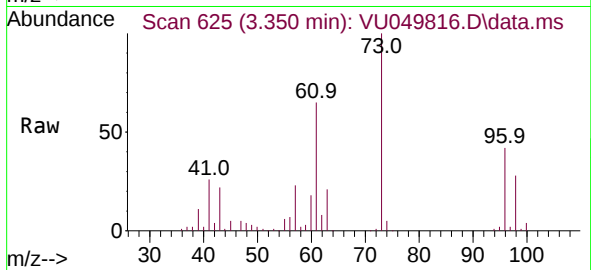




#17
trans-1,2-Dichloroethene
Concen: 49.309 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

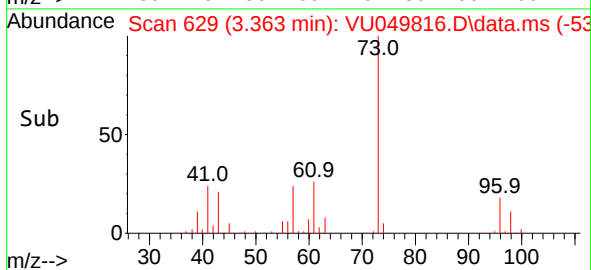
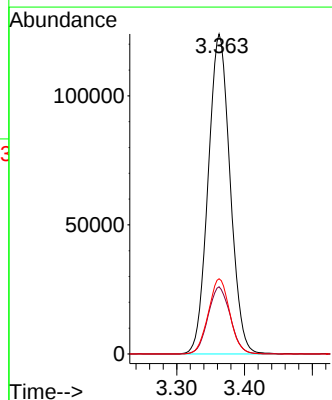
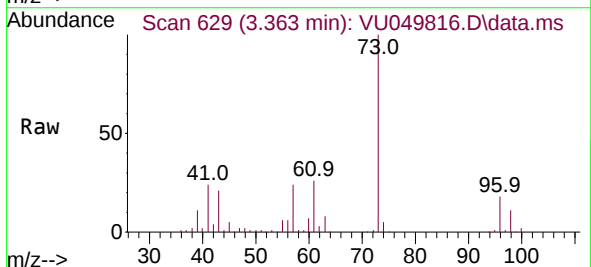
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

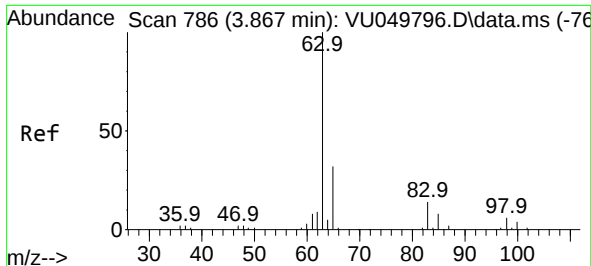
Tgt Ion: 96 Resp: 71827
Ion Ratio Lower Upper
96 100
61 152.2 107.6 199.8
98 65.5 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 55.815 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion: 73 Resp: 278487
Ion Ratio Lower Upper
73 100
43 21.3 17.0 25.4
57 23.0 18.5 27.7

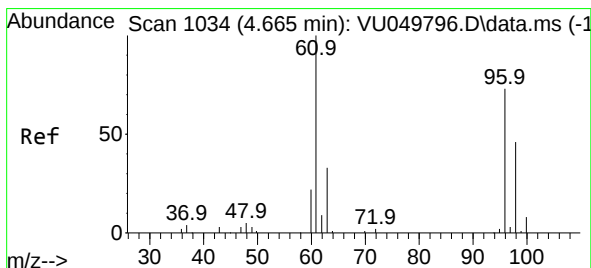
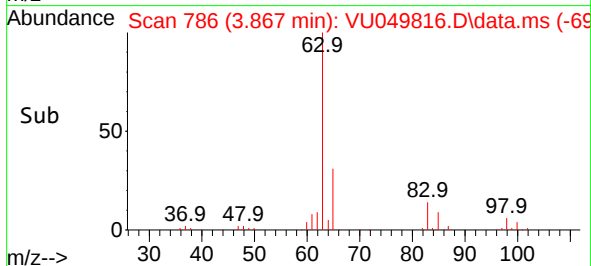
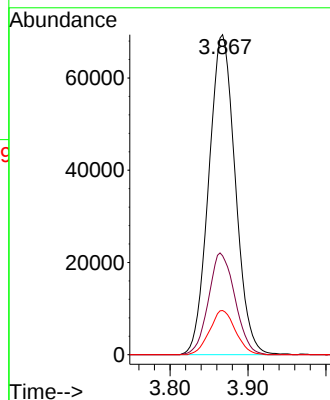
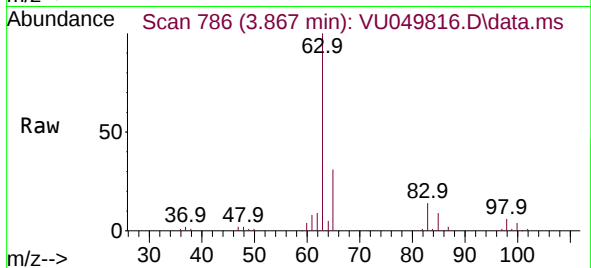




#19
1,1-Dichloroethane
Concen: 54.094 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

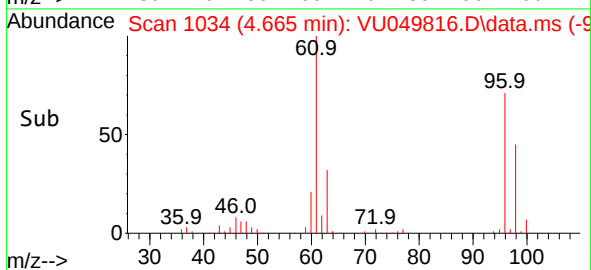
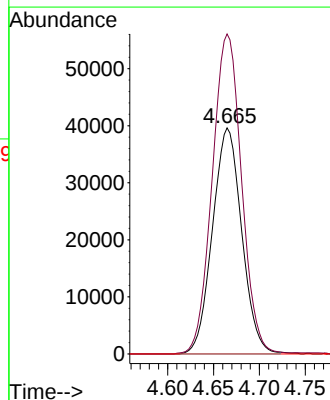
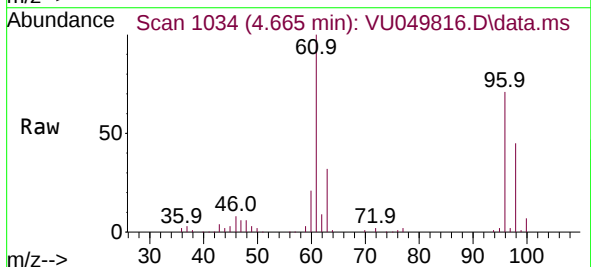
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

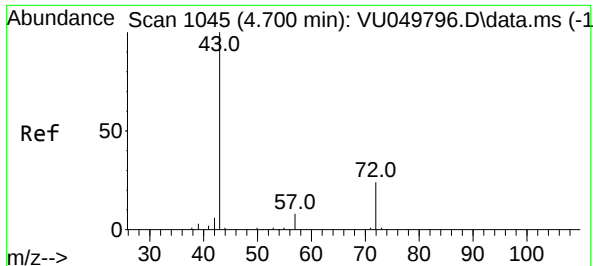
Tgt Ion: 63 Resp: 164050
Ion Ratio Lower Upper
63 100
65 30.9 22.6 42.0
83 13.8 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 53.633 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion: 96 Resp: 87804
Ion Ratio Lower Upper
96 100
61 141.5 101.1 187.7
68 0.0 0.0 0.0

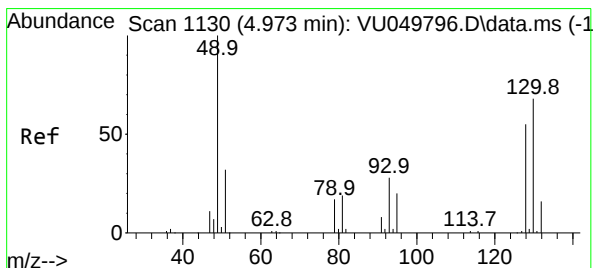
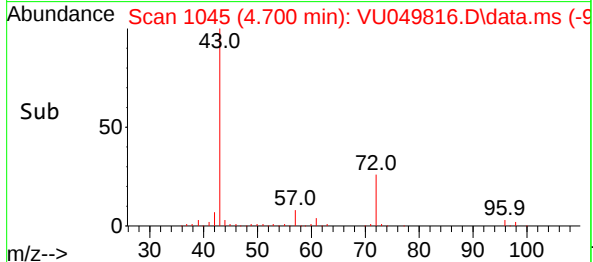
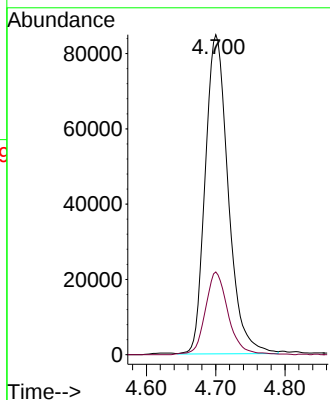
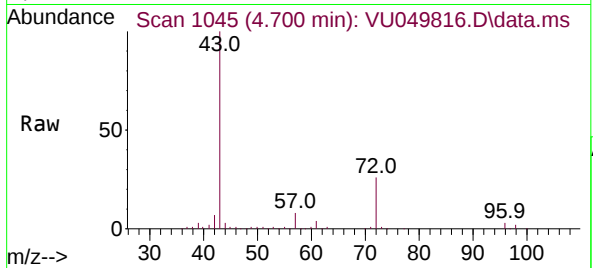




#22
2-Butanone
Concen: 114.585 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

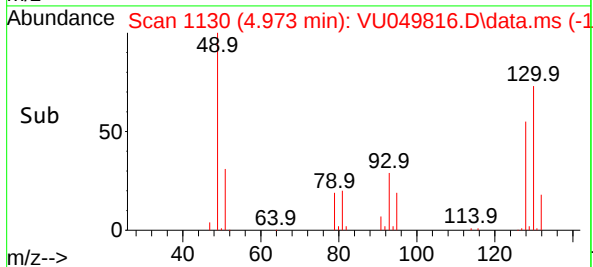
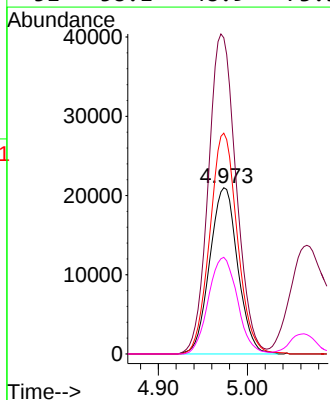
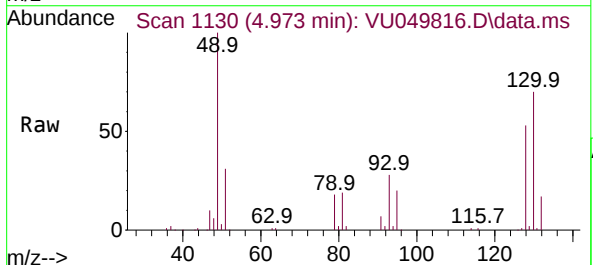
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

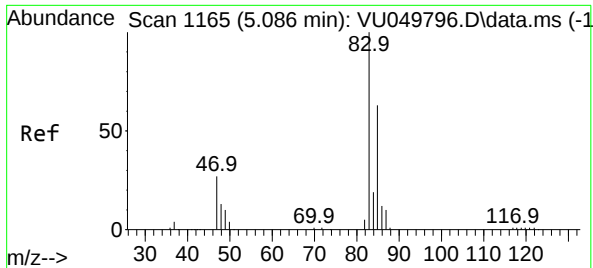
Tgt Ion: 43 Resp: 195581
Ion Ratio Lower Upper
43 100
72 25.5 12.7 38.0



#23
Bromochloromethane
Concen: 56.071 ug/L
RT: 4.973 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion:128 Resp: 45803
Ion Ratio Lower Upper
128 100
49 190.1 140.9 261.7
130 132.8 90.0 167.2
51 58.1 48.9 73.3





#25

Chloroform

Concen: 55.612 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

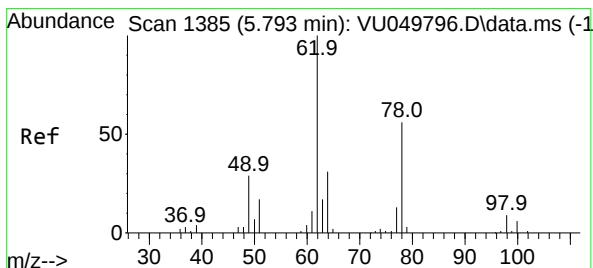
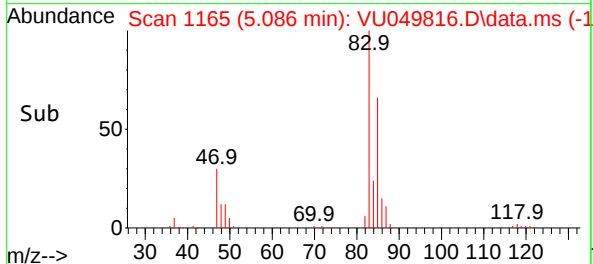
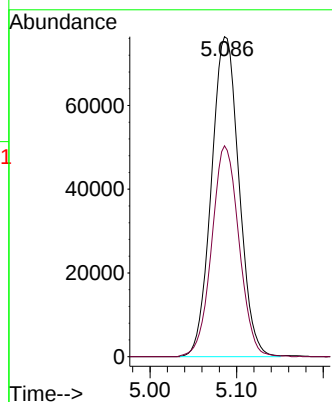
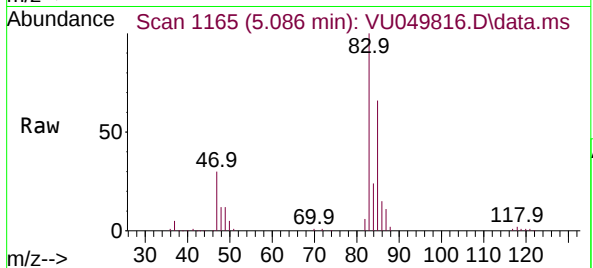
VSTD050172

Tgt Ion: 83 Resp: 169116

Ion Ratio Lower Upper

83 100

85 65.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 54.753 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU049816.D

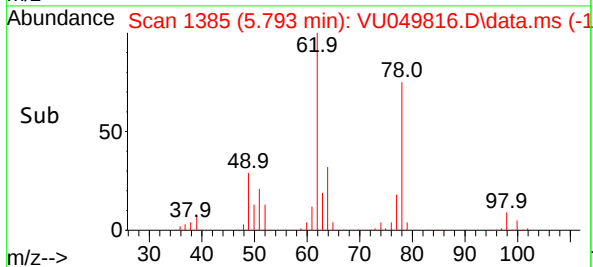
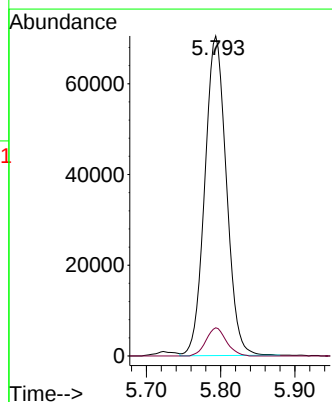
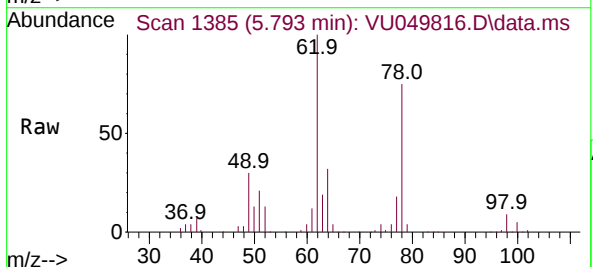
Acq: 20 Jul 2022 20:48

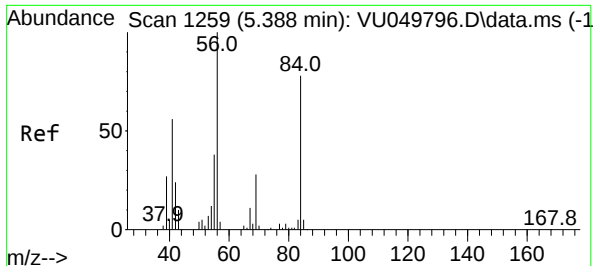
Tgt Ion: 62 Resp: 141780

Ion Ratio Lower Upper

62 100

98 8.8 6.7 10.1





#29

Cyclohexane

Concen: 44.509 ug/L

RT: 5.385 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172

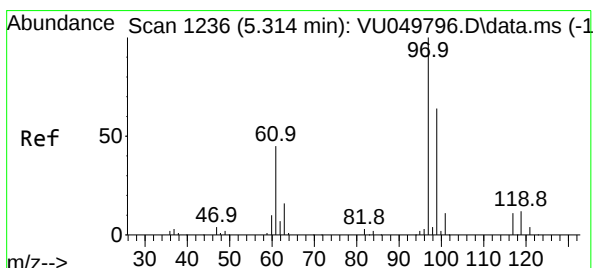
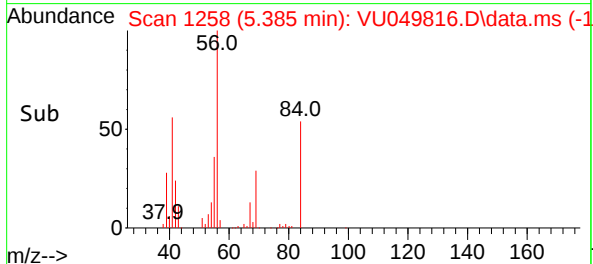
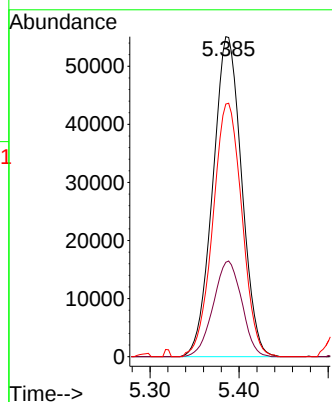
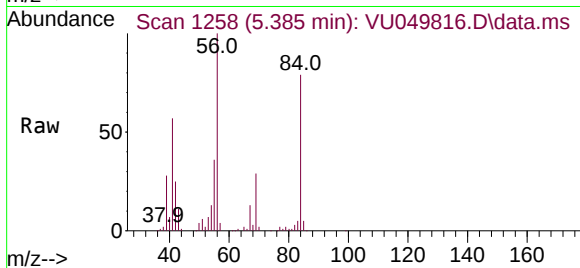
Tgt Ion: 56 Resp: 123935

Ion Ratio Lower Upper

56 100

69 29.5 23.4 35.2

84 79.7 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 52.720 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

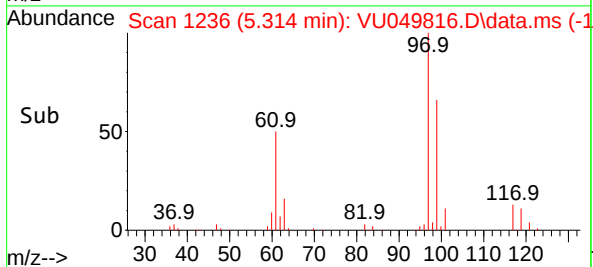
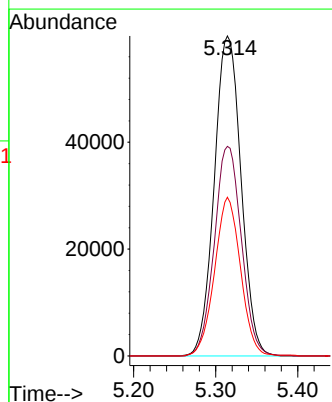
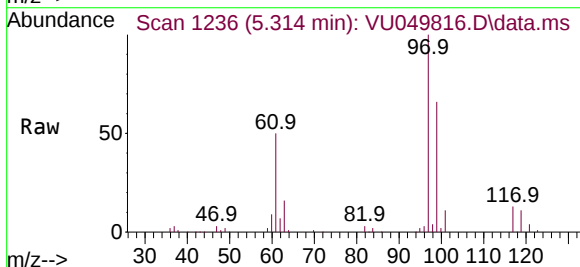
Tgt Ion: 97 Resp: 136154

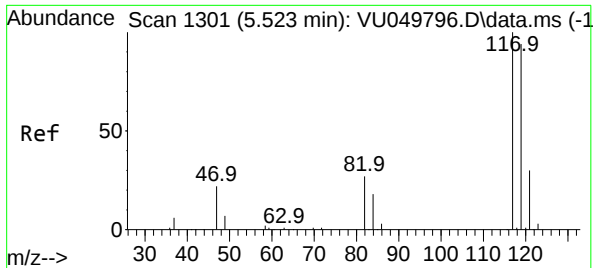
Ion Ratio Lower Upper

97 100

99 66.2 51.3 76.9

61 48.0 38.2 57.2

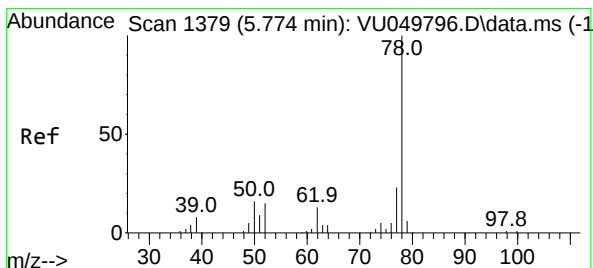
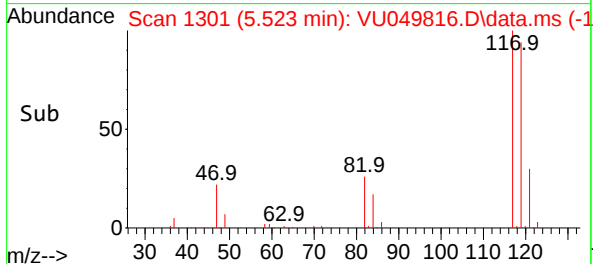
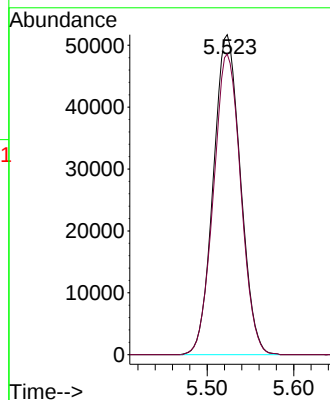
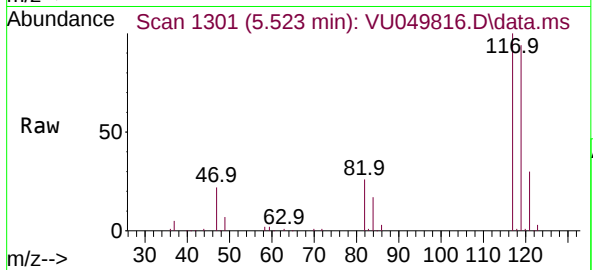




#31
Carbon tetrachloride
Concen: 53.284 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

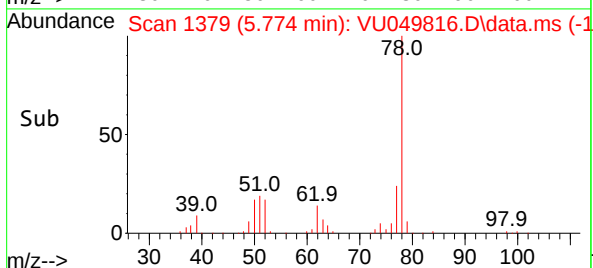
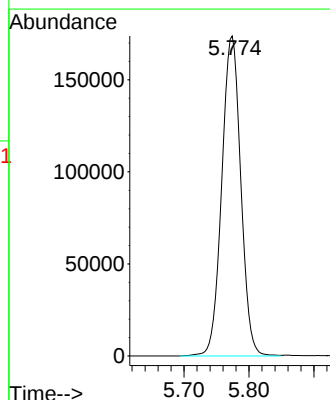
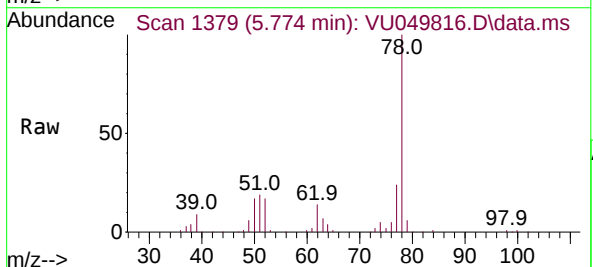
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

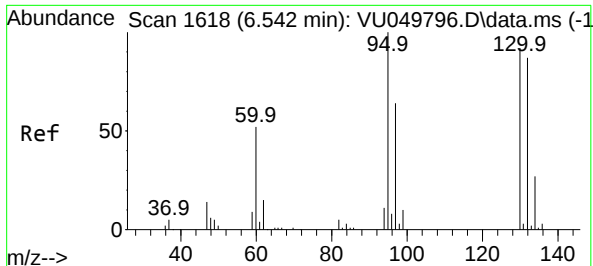
Tgt Ion:117 Resp: 112552
Ion Ratio Lower Upper
117 100
119 94.6 75.8 113.8



#33
Benzene
Concen: 52.618 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion: 78 Resp: 352828



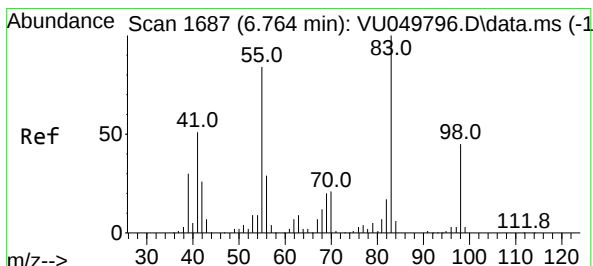
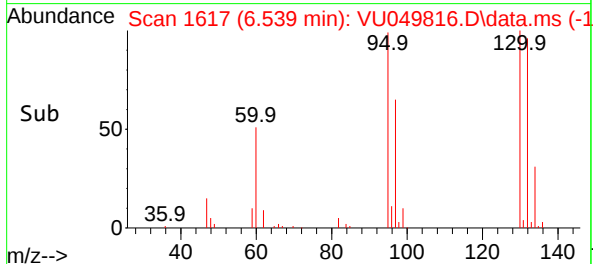
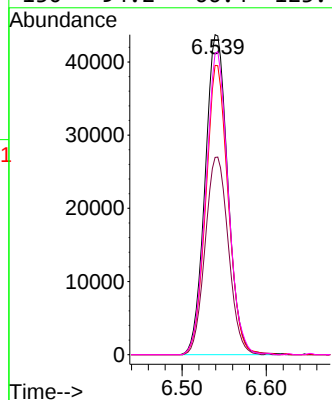
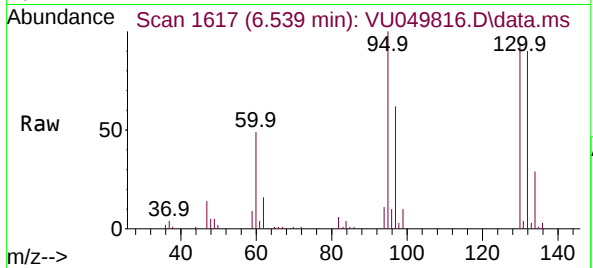


#34
Trichloroethene
Concen: 50.701 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

Tgt Ion: 95 Resp: 82179

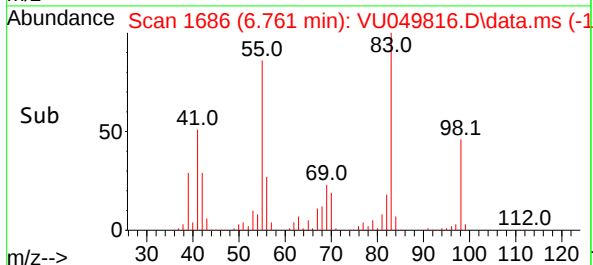
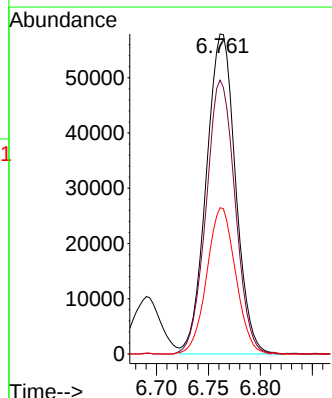
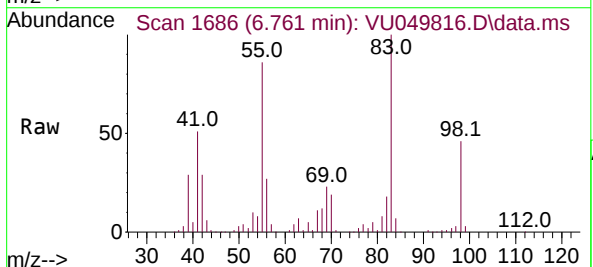
Ion	Ratio	Lower	Upper
95	100		
97	61.7	46.9	87.1
132	90.4	62.7	116.5
130	94.2	66.4	123.4

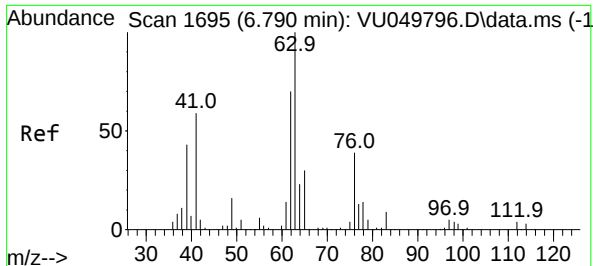


#35
Methylcyclohexane
Concen: 44.531 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion: 83 Resp: 113423

Ion	Ratio	Lower	Upper
83	100		
55	85.0	66.0	99.0
98	45.0	34.6	51.8





#37

1,2-Dichloropropane

Concen: 55.510 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

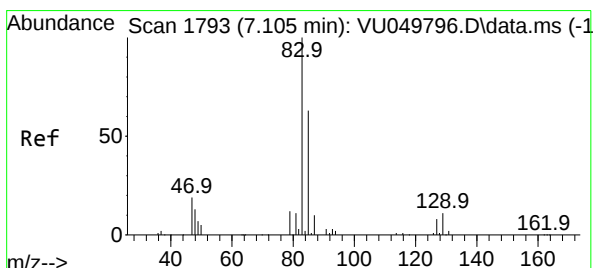
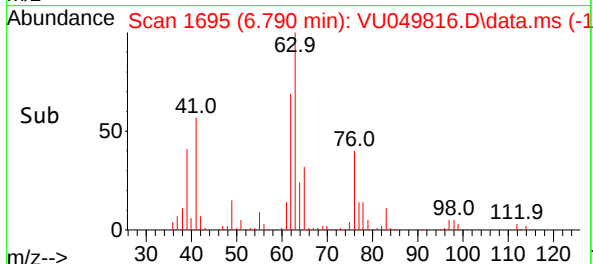
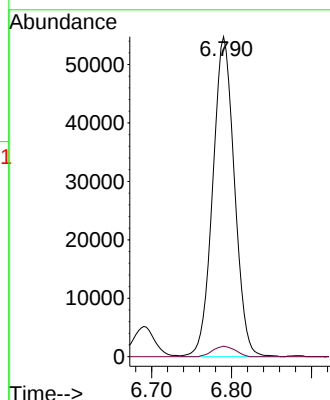
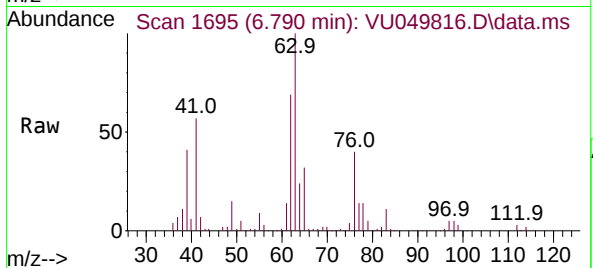
VSTD050172

Tgt Ion: 63 Resp: 103170

Ion Ratio Lower Upper

63 100

112 3.4 2.8 4.2



#38

Bromodichloromethane

Concen: 55.069 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

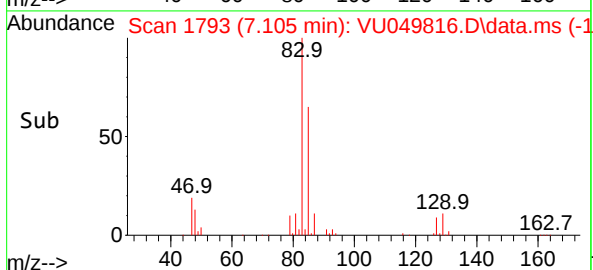
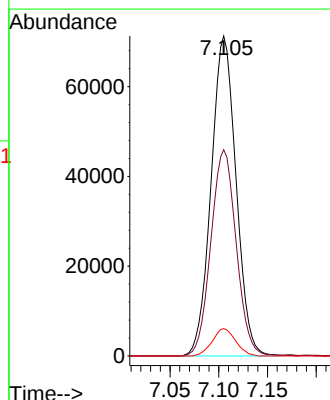
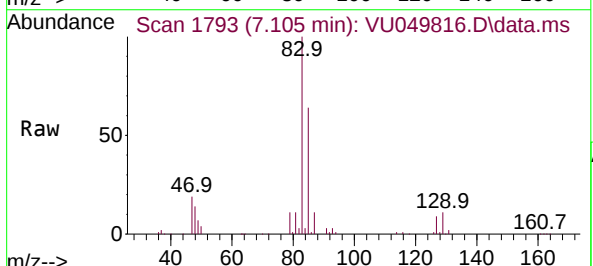
Tgt Ion: 83 Resp: 126898

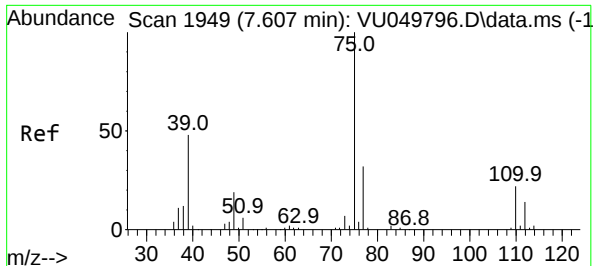
Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.2

127 8.6 6.6 10.0

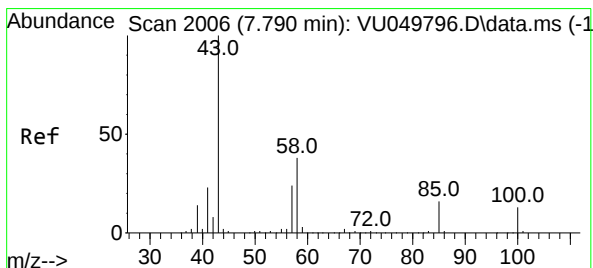
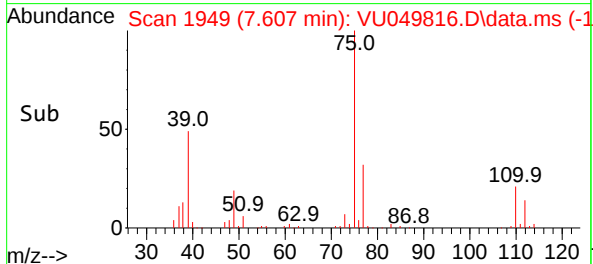
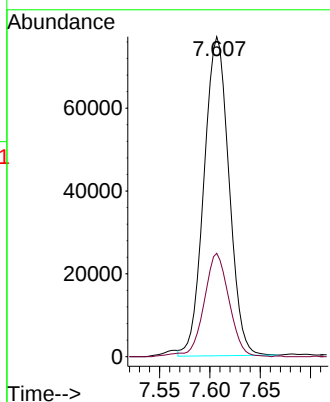
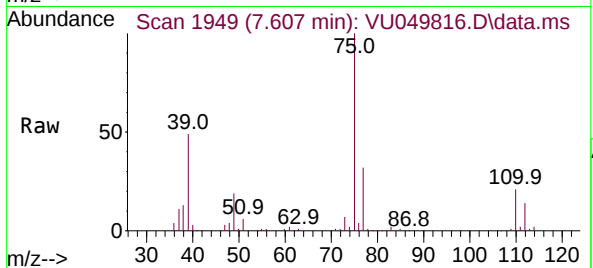




#39
 cis-1,3-Dichloropropene
 Concen: 53.163 ug/L
 RT: 7.607 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: VU049816.D
 Acq: 20 Jul 2022 20:48

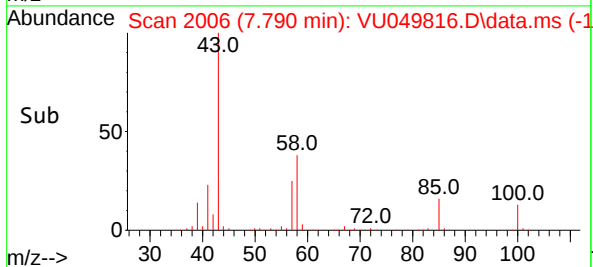
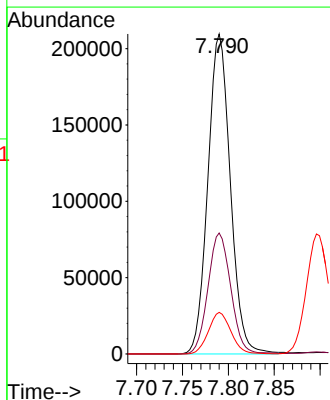
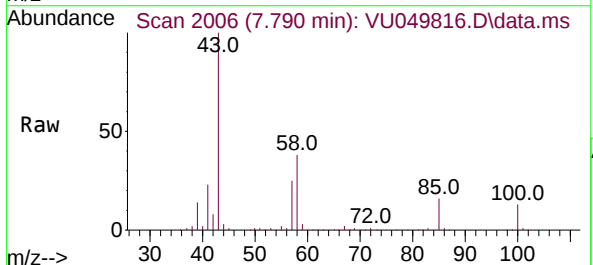
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050172

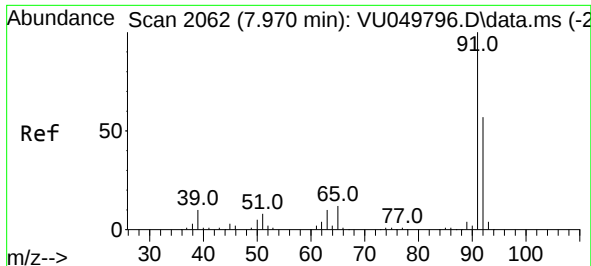
Tgt Ion: 75 Resp: 133260
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 118.436 ug/L
 RT: 7.790 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: VU049816.D
 Acq: 20 Jul 2022 20:48

Tgt Ion: 43 Resp: 356353
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.4 47.0
 100 13.1 10.3 15.5





#42

Toluene

Concen: 53.342 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

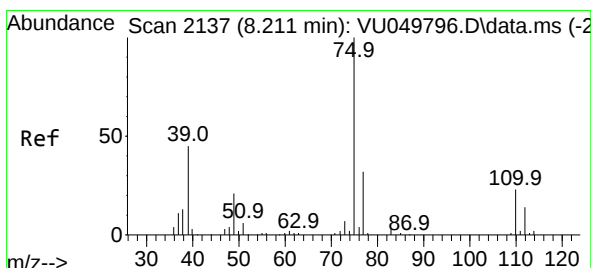
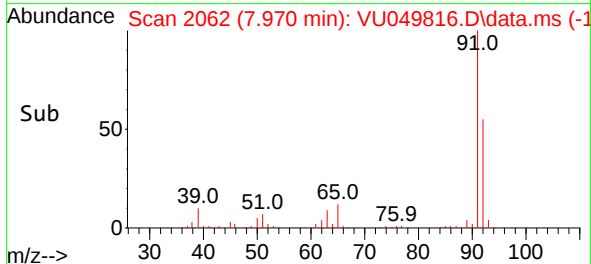
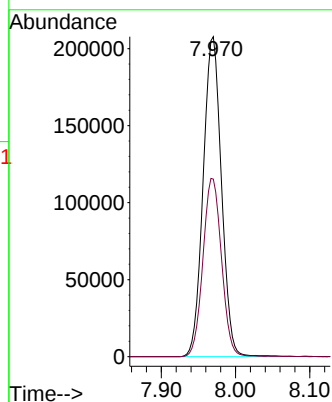
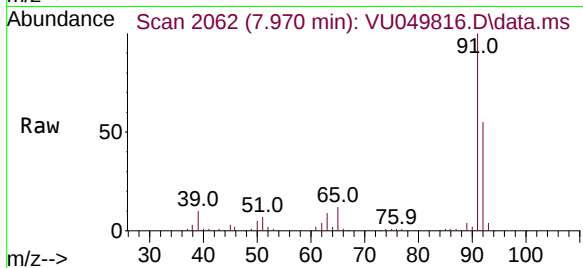
VSTD050172

Tgt Ion: 91 Resp: 355486

Ion Ratio Lower Upper

91 100

92 55.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 54.836 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049816.D

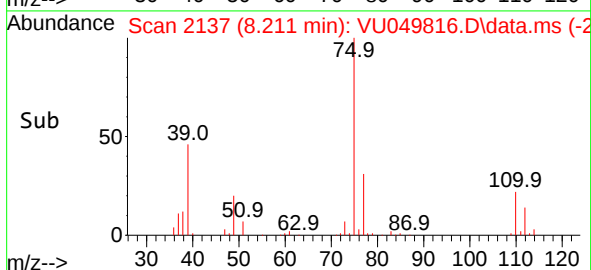
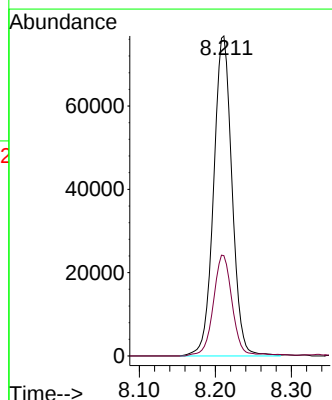
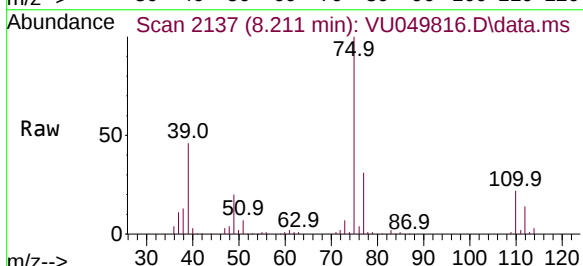
Acq: 20 Jul 2022 20:48

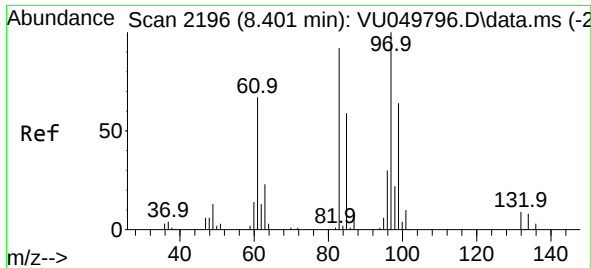
Tgt Ion: 75 Resp: 129060

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9

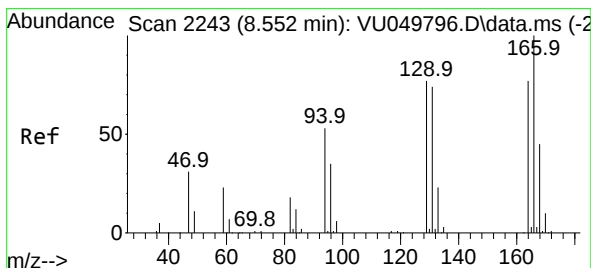
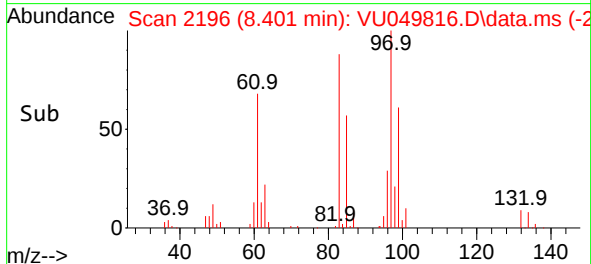
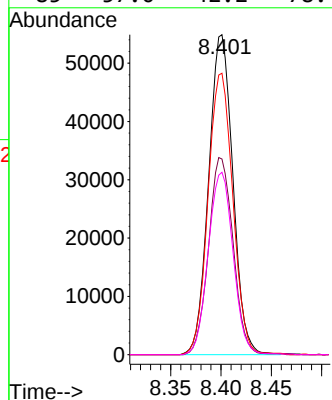
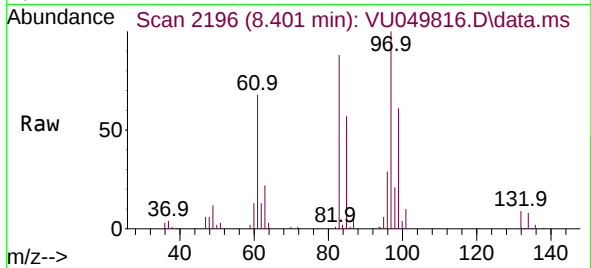




#45
1,1,2-Trichloroethane
Concen: 56.614 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

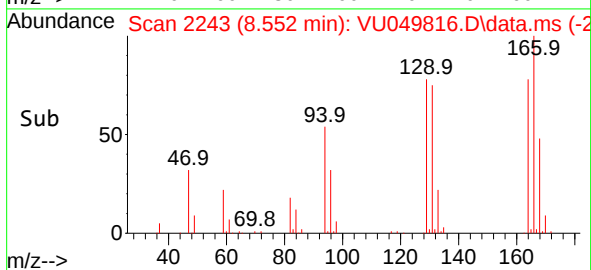
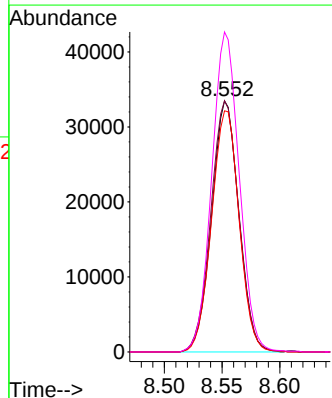
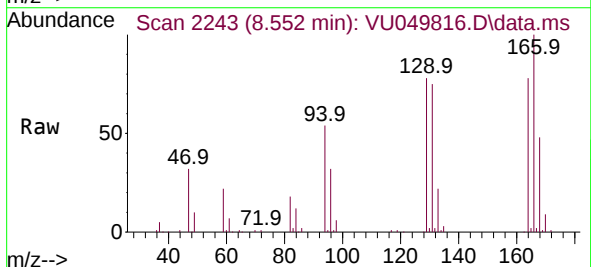
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

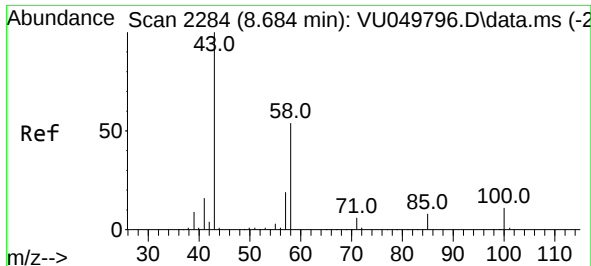
Tgt Ion: 97	Resp: 91843
Ion Ratio	Lower Upper
97 100	
99 61.2	44.3 82.3
83 87.9	64.0 118.8
85 57.0	42.2 78.4



#46
Tetrachloroethene
Concen: 48.934 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt	Ion:164	Resp:	55010
Ion	Ratio	Lower	Upper
164	100		
129	100.0	72.0	133.8
131	96.0	69.0	128.1
166	127.4	91.1	169.3

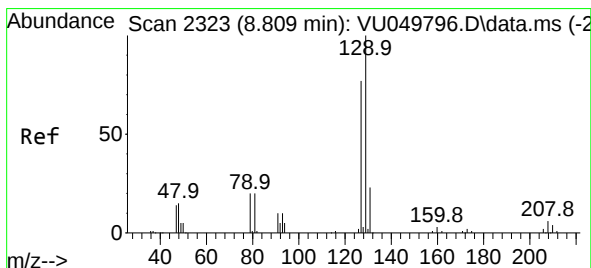
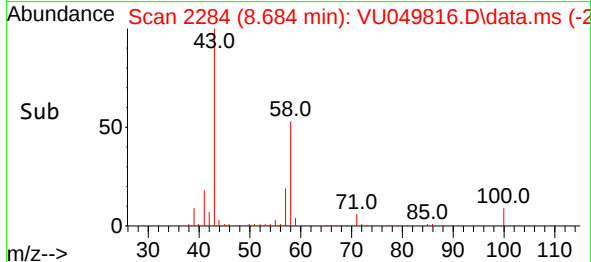
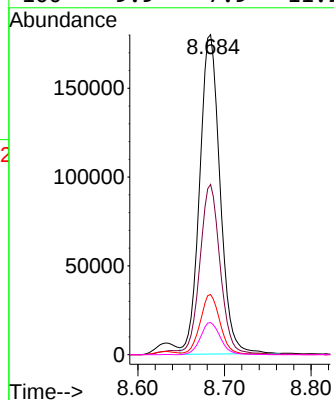
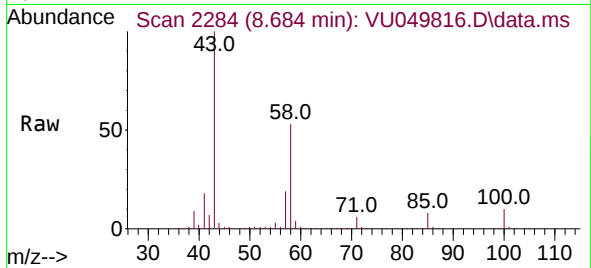




#48
2-Hexanone
Concen: 122.086 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

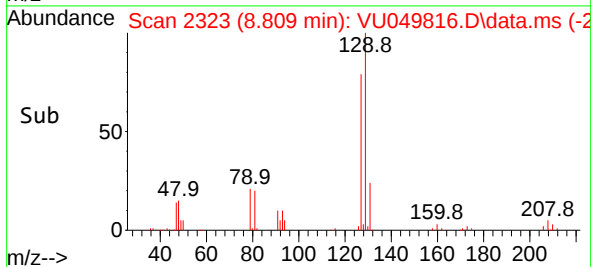
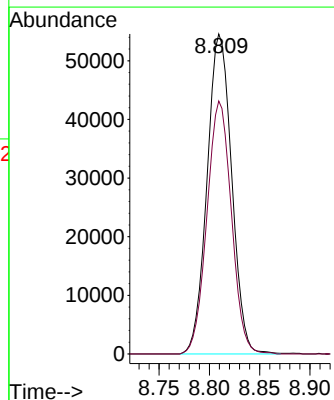
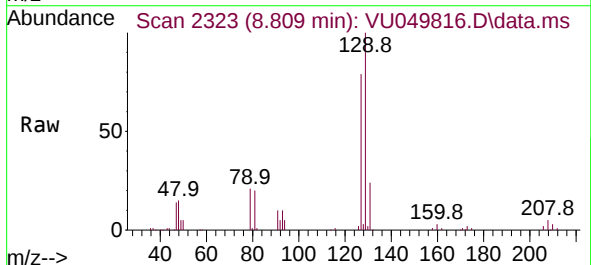
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

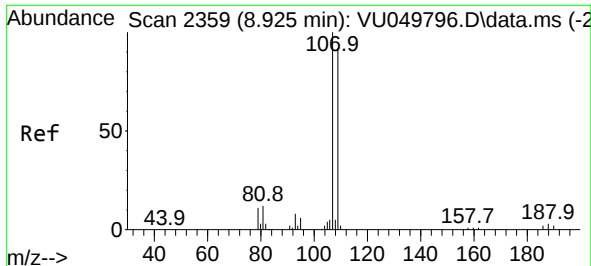
Tgt Ion:	43	Resp:	293544
Ion	Ratio	Lower	Upper
43	100		
58	52.9	42.6	64.0
57	18.5	15.0	22.6
100	9.9	7.9	11.9



#49
Dibromochloromethane
Concen: 57.003 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion:	129	Resp:	93009
Ion	Ratio	Lower	Upper
129	100		
127	79.0	56.9	105.7





#50

1,2-Dibromoethane

Concen: 58.906 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172

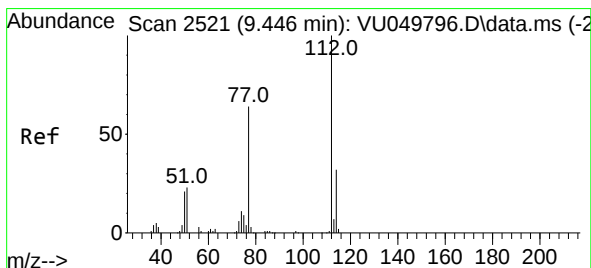
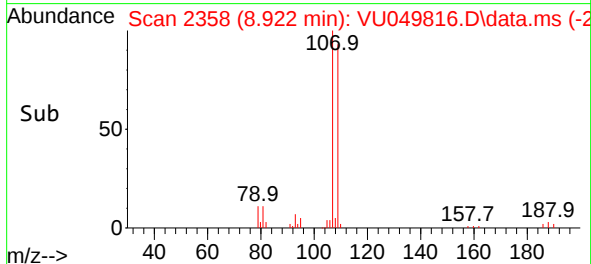
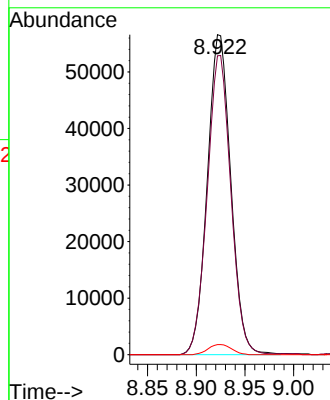
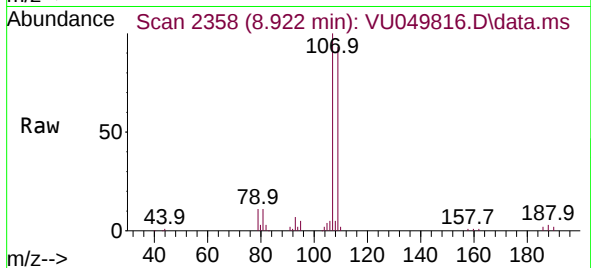
Tgt Ion:107 Resp: 94926

Ion Ratio Lower Upper

107 100

109 93.4 65.7 121.9

188 3.1 2.7 4.1



#51

Chlorobenzene

Concen: 52.465 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

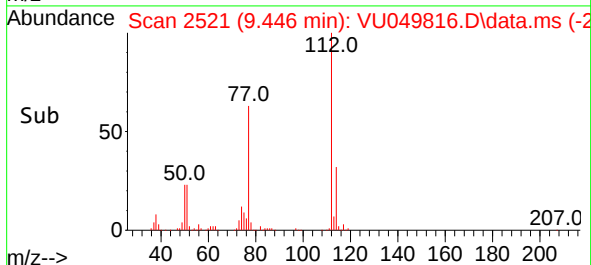
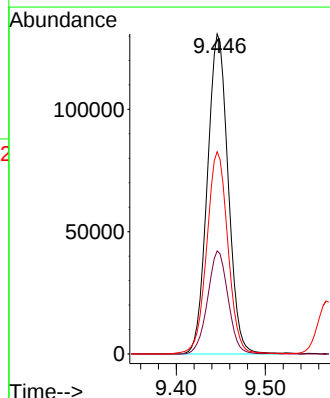
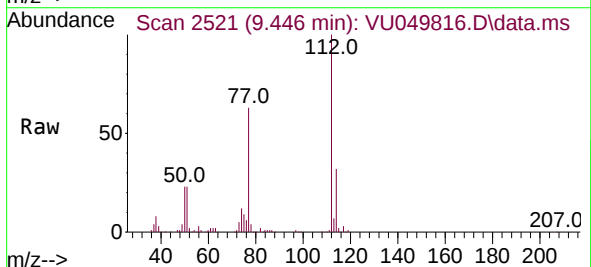
Tgt Ion:112 Resp: 211737

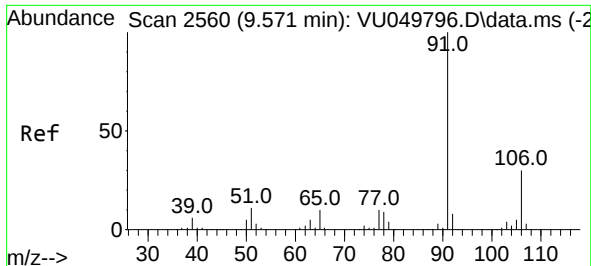
Ion Ratio Lower Upper

112 100

114 32.2 22.1 41.1

77 63.2 51.2 76.8

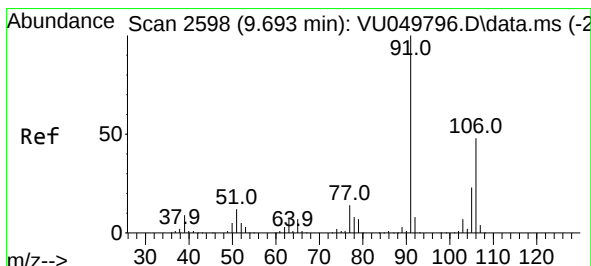
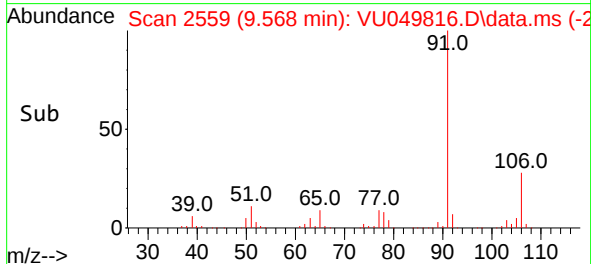
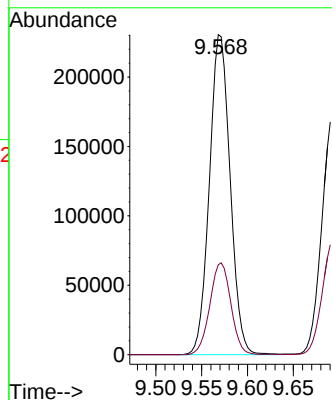
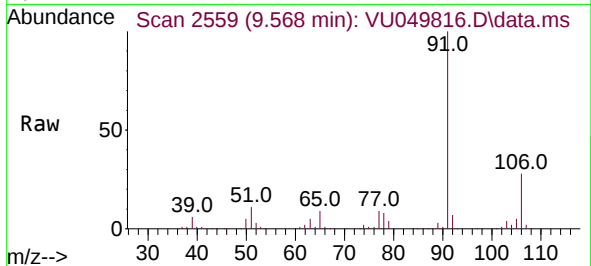




#52
Ethylbenzene
Concen: 51.575 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

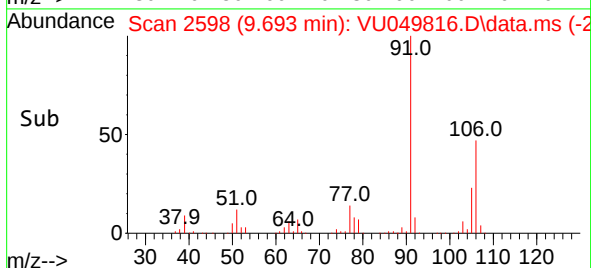
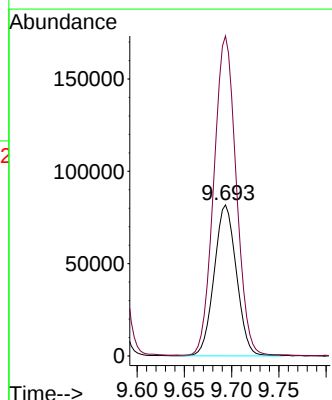
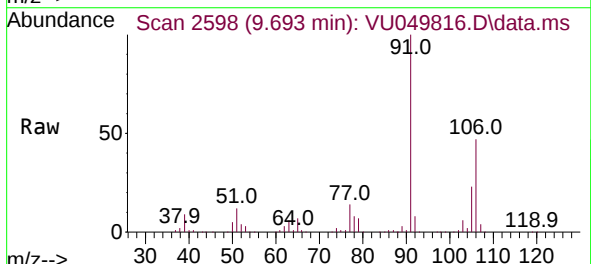
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

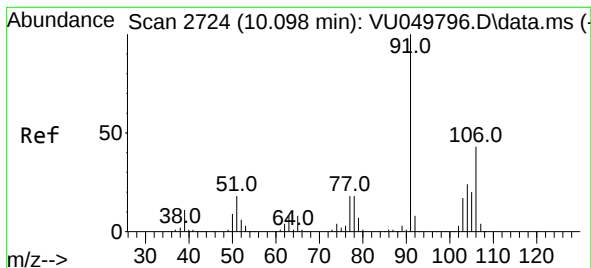
Tgt Ion: 91 Resp: 362705
Ion Ratio Lower Upper
91 100
106 28.1 21.0 39.0



#53
m,p-Xylene
Concen: 52.291 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion: 106 Resp: 133717
Ion Ratio Lower Upper
106 100
91 211.8 151.7 281.7





#54

o-Xylene

Concen: 52.920 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

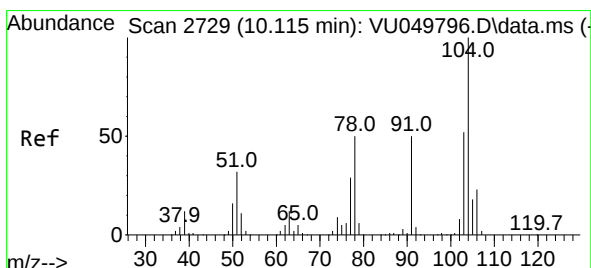
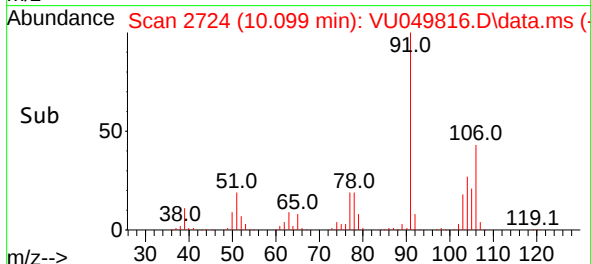
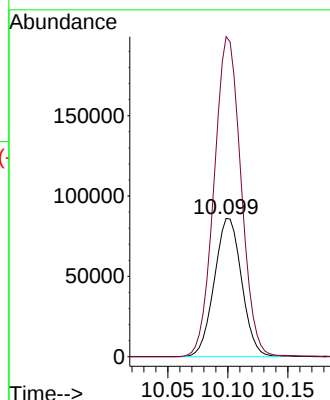
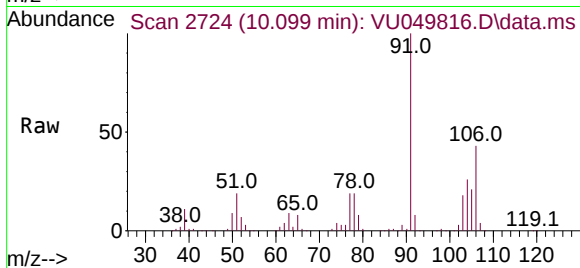
VSTD050172

Tgt Ion:106 Resp: 136262

Ion Ratio Lower Upper

106 100

91 231.5 156.9 291.5



#55

Styrene

Concen: 54.957 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049816.D

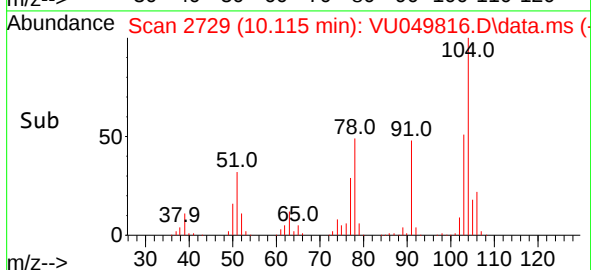
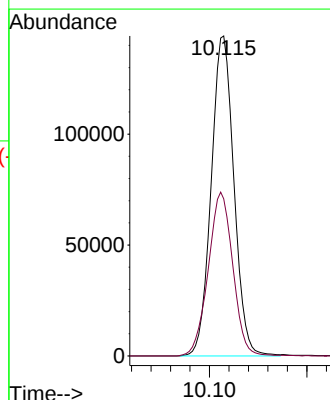
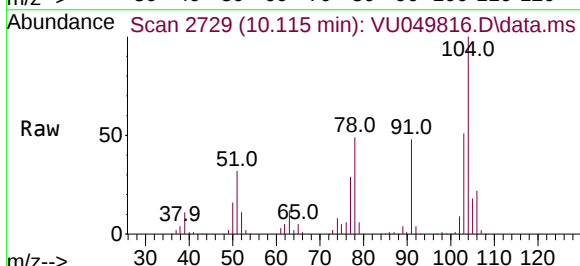
Acq: 20 Jul 2022 20:48

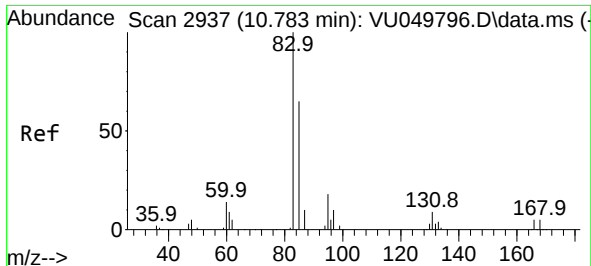
Tgt Ion:104 Resp: 233528

Ion Ratio Lower Upper

104 100

78 49.1 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 57.916 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172

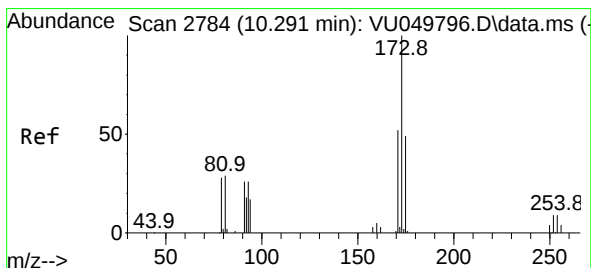
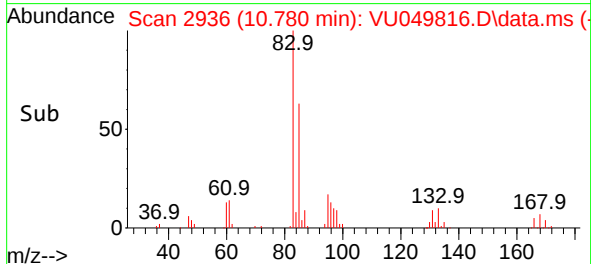
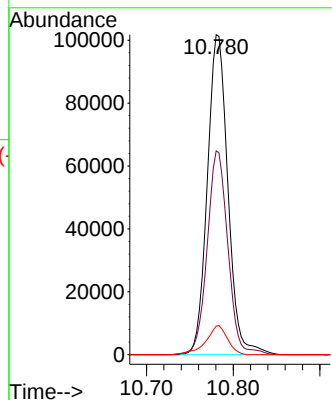
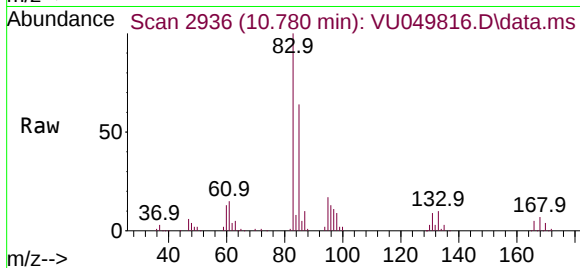
Tgt Ion: 83 Resp: 168186

Ion Ratio Lower Upper

83 100

85 63.7 45.0 83.6

131 8.9 7.0 10.6



#59

Bromoform

Concen: 56.678 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

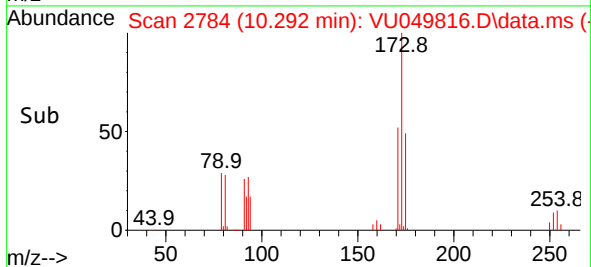
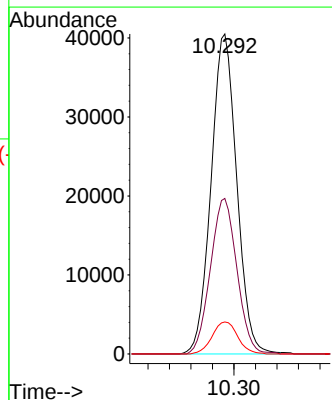
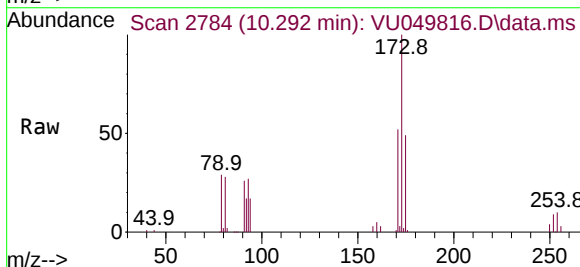
Tgt Ion:173 Resp: 67046

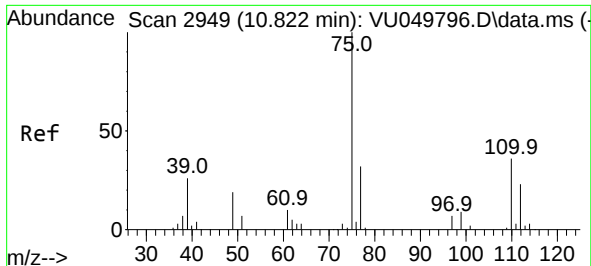
Ion Ratio Lower Upper

173 100

175 50.1 38.6 58.0

254 10.0 7.4 11.0

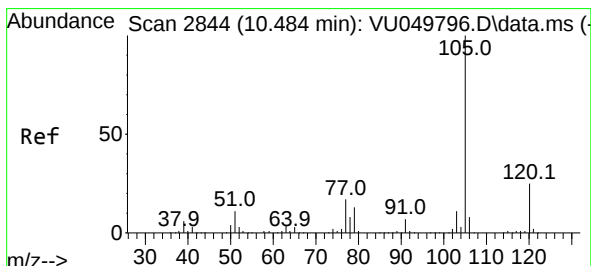
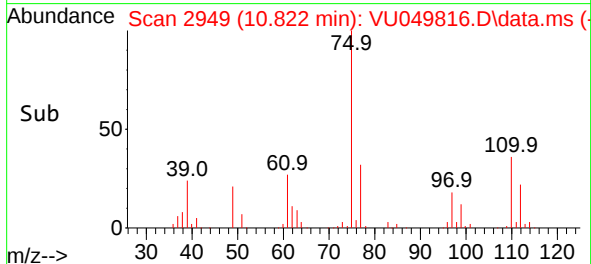
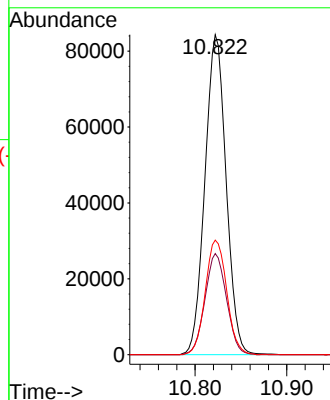
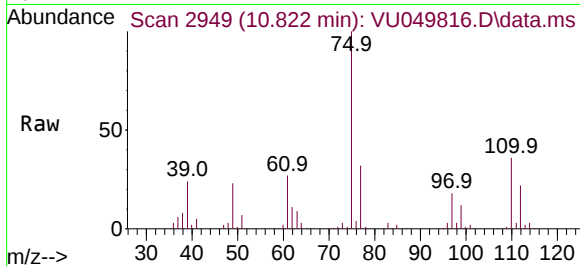




#60
1,2,3-Trichloropropane
Concen: 57.646 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

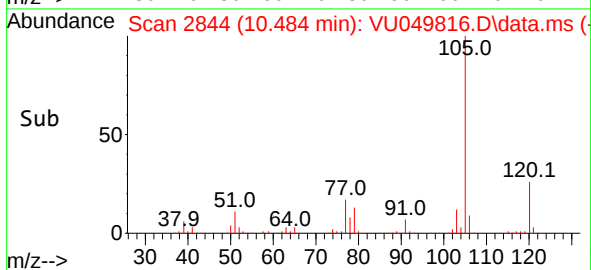
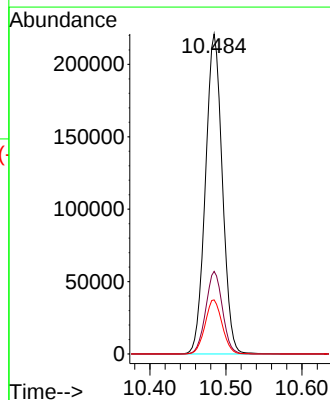
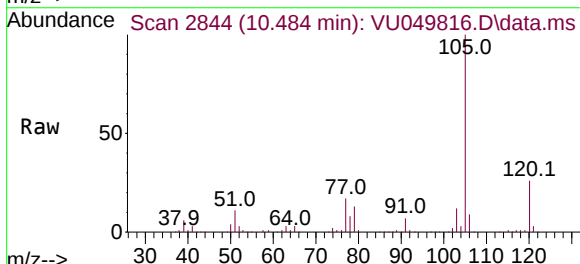
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

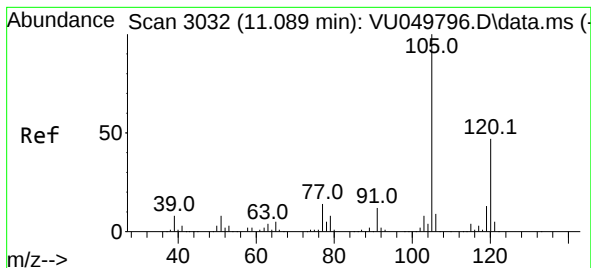
Tgt Ion:	75	Resp:	135420
Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3
110	36.1	28.9	43.3



#61
Isopropylbenzene
Concen: 51.650 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion:	105	Resp:	340142
Ion	Ratio	Lower	Upper
105	100		
120	25.5	19.9	29.9
77	17.2	13.8	20.8





#62

1,3,5-Trimethylbenzene

Concen: 52.930 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

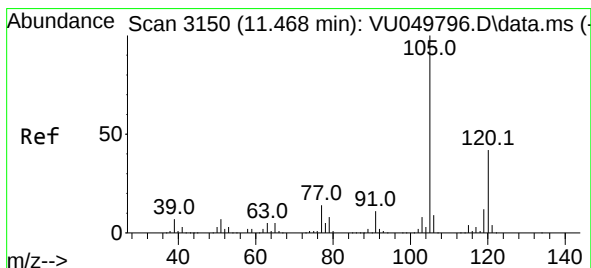
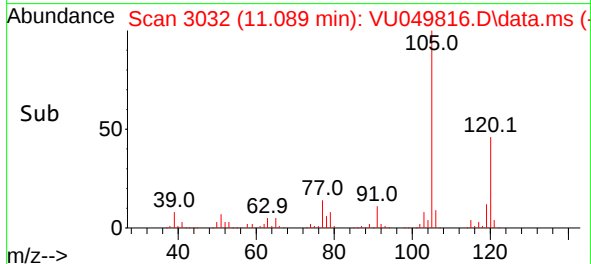
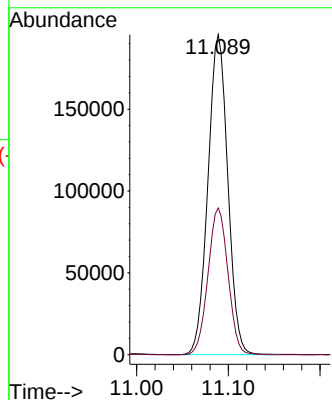
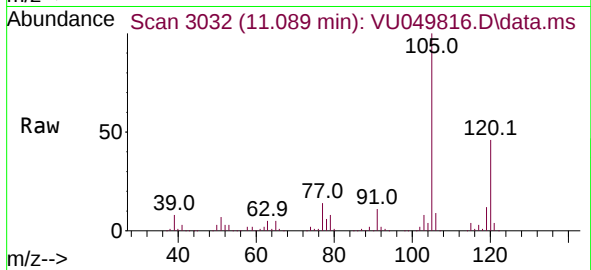
VSTD050172

Tgt Ion:105 Resp: 294024

Ion Ratio Lower Upper

105 100

120 46.1 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 51.333 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049816.D

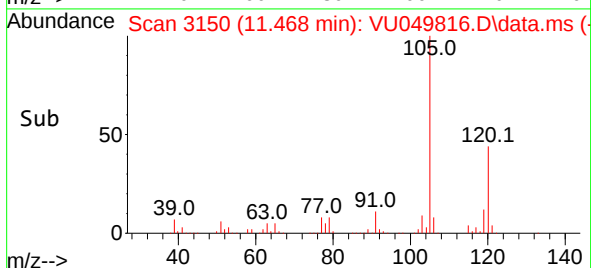
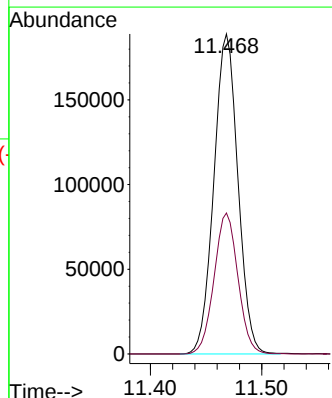
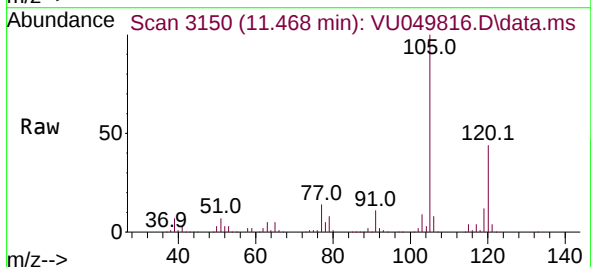
Acq: 20 Jul 2022 20:48

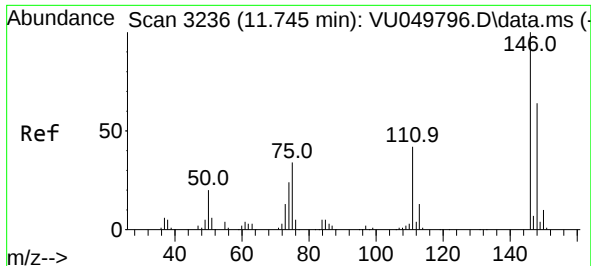
Tgt Ion:105 Resp: 283283

Ion Ratio Lower Upper

105 100

120 43.6 33.9 50.9

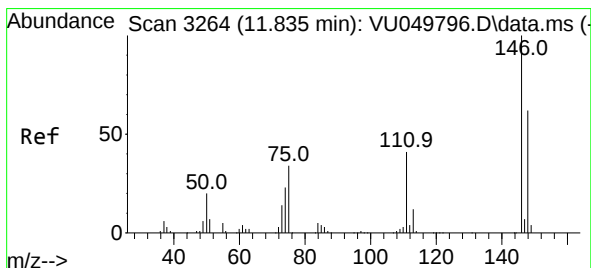
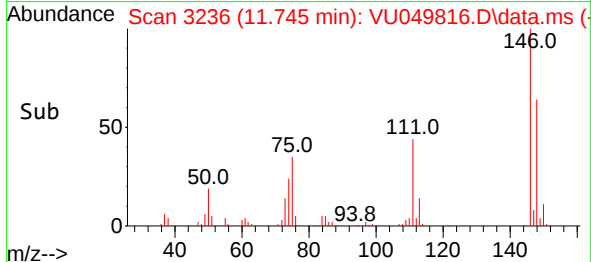
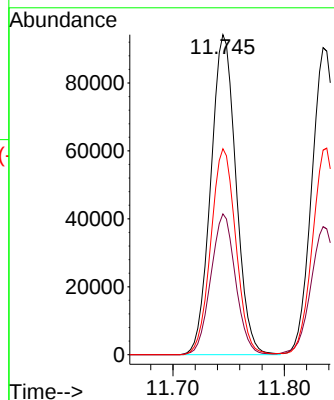
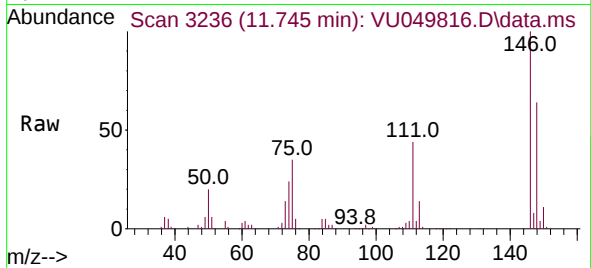




#64
1,3-Dichlorobenzene
Concen: 51.514 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

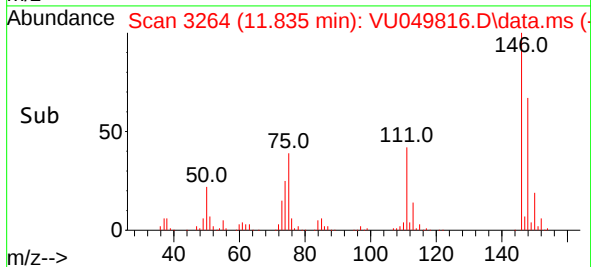
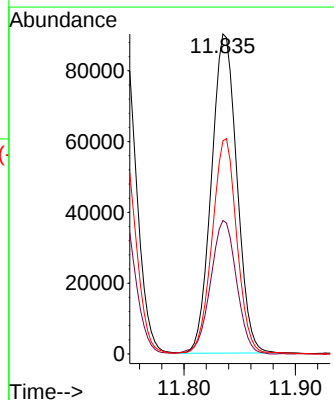
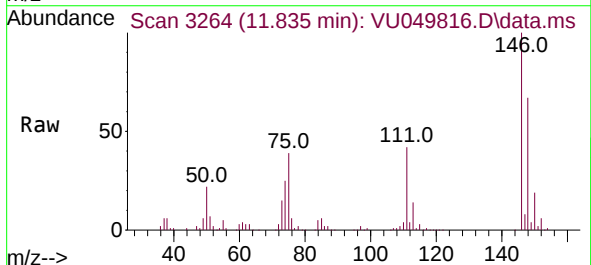
Instrument :
MSVOA_U
ClientSampleId :
VSTD050172

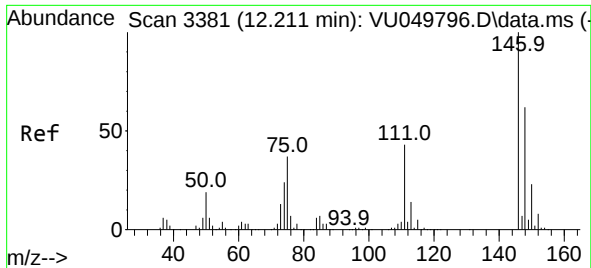
Tgt Ion:146 Resp: 148094
Ion Ratio Lower Upper
146 100
111 44.0 30.0 55.6
148 64.3 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 49.599 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU049816.D
Acq: 20 Jul 2022 20:48

Tgt Ion:146 Resp: 143230
Ion Ratio Lower Upper
146 100
111 41.7 29.1 54.1
148 66.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 52.236 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172

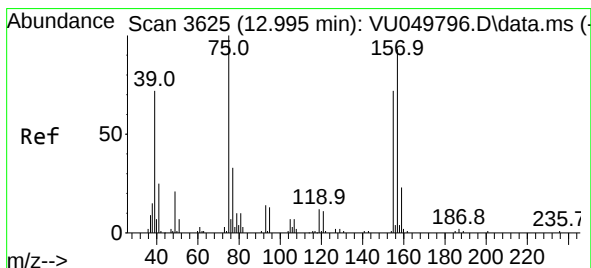
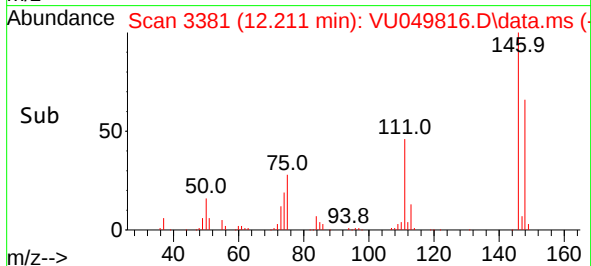
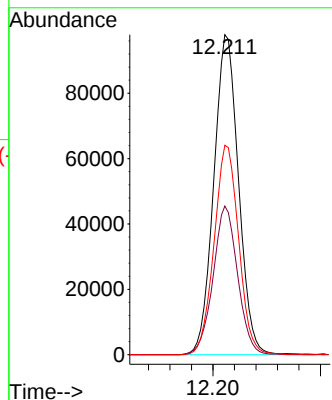
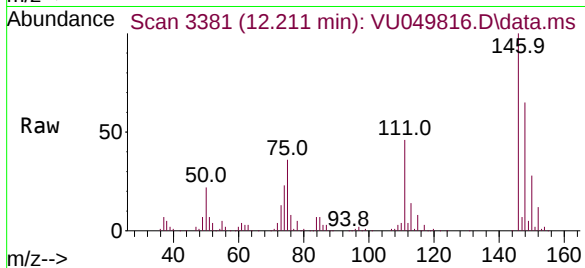
Tgt Ion:146 Resp: 156152

Ion Ratio Lower Upper

146 100

111 46.5 35.8 53.8

148 65.4 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 59.552 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

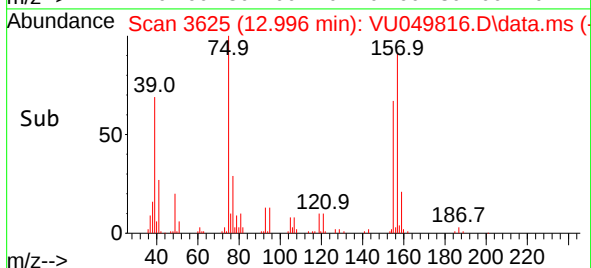
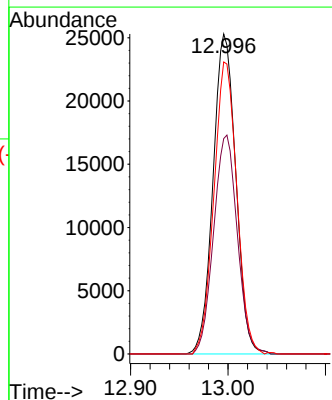
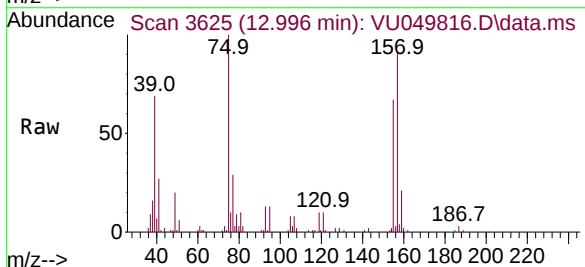
Tgt Ion: 75 Resp: 40992

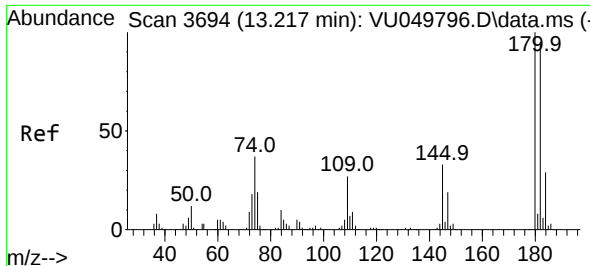
Ion Ratio Lower Upper

75 100

155 67.3 57.7 86.5

157 95.1 75.6 113.4





#69

1,3,5-Trichlorobenzene

Concen: 49.469 ug/L

RT: 13.217 min Scan# 3

Delta R.T. 0.000 min

Lab File: VU049816.D

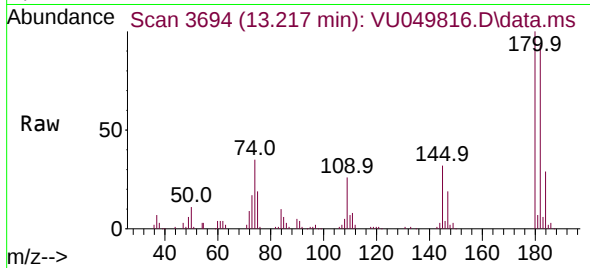
Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172



Tgt Ion:180 Resp: 99652

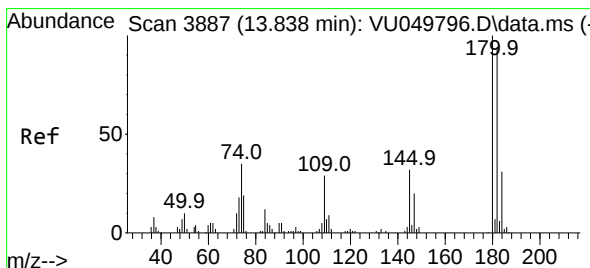
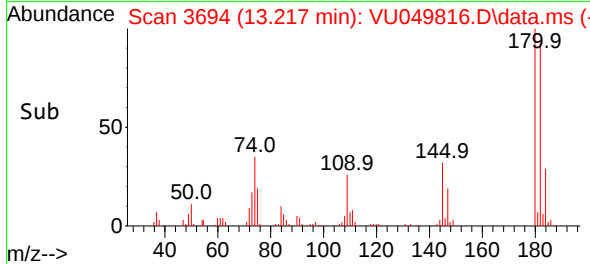
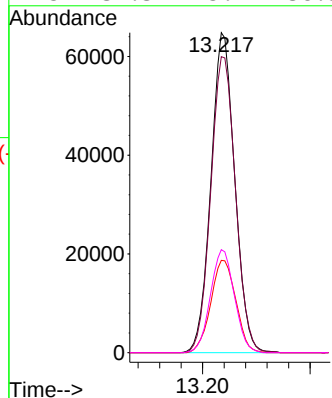
Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

184 30.3 24.0 36.0

145 32.3 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 44.760 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

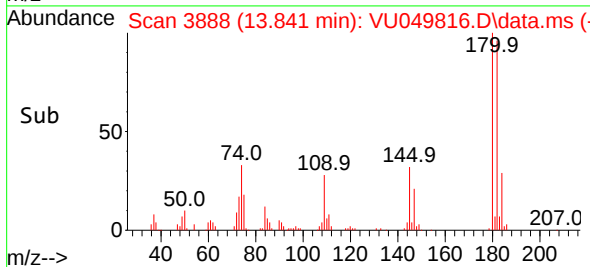
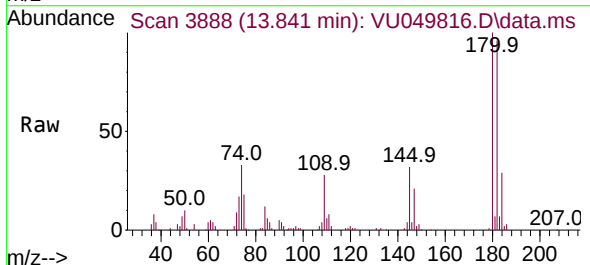
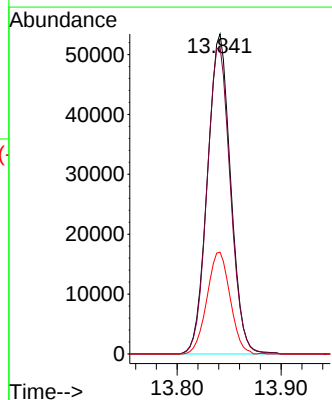
Tgt Ion:180 Resp: 82744

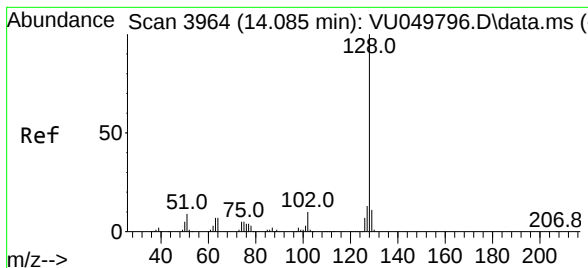
Ion Ratio Lower Upper

180 100

182 96.7 74.8 112.2

145 31.8 24.7 37.1





#71

Naphthalene

Concen: 47.764 ug/L

RT: 14.086 min Scan# 3964

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD050172

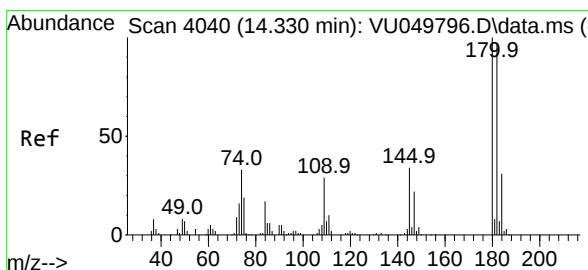
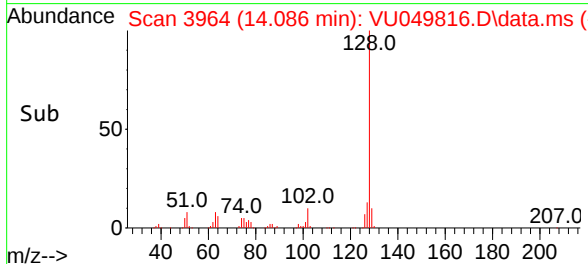
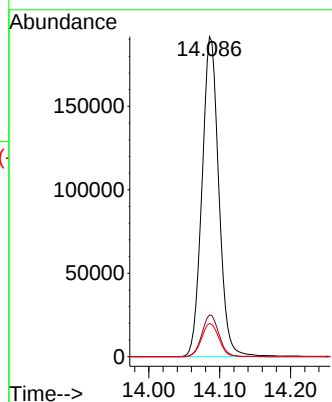
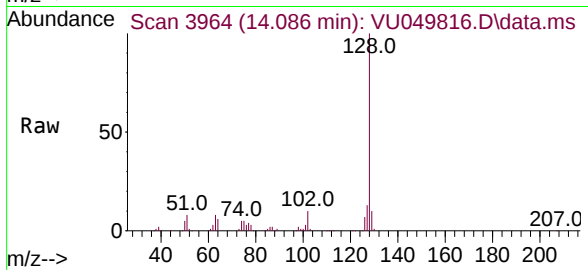
Tgt Ion:128 Resp: 315648

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 48.256 ug/L

RT: 14.330 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU049816.D

Acq: 20 Jul 2022 20:48

Tgt Ion:180 Resp: 92406

Ion Ratio Lower Upper

180 100

182 97.1 76.6 115.0

145 34.4 27.1 40.7

