

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121322\
 Data File : VU052368.D
 Acq On : 13 Dec 2022 11:12
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

Quant Time: Dec 14 03:14:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 13 01:01:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	275237	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	272641	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	145315	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	98619	3.684	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.600%
7) Chloroethane-d5	1.916	69	86848	4.176	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.568	65	41888	4.365	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.639	46	286899	59.120	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.240%
24) Chloroform-d	5.060	84	191135	4.859	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.700	65	94819	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.726	84	389903	4.817	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.687	67	124081	4.953	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.896	98	364965	4.984	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
43) trans-1,3-Dichloroprop...	8.176	79	44062	4.827	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.600%
46) 2-Hexanone-d5	8.632	63	223648	57.813	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.620%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	113690	5.235	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	12.188	152	134380	4.830	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	108189	4.532	ug/L	99
3) Chloromethane	1.520	50	107843	3.462	ug/L	99
5) Vinyl chloride	1.607	62	128956	4.308	ug/L	97
6) Bromomethane	1.861	94	57792	3.763	ug/L	99
8) Chloroethane	1.938	64	79743	4.284	ug/L	95
9) Trichlorofluoromethane	2.141	101	157938	4.796	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	98922	4.913	ug/L	100
12) 1,1-Dichloroethene	2.581	96	96558	4.836	ug/L	93
13) Acetone	2.658	43	184442	55.970	ug/L	99
14) Carbon disulfide	2.797	76	309649	4.480	ug/L	99
15) Methyl Acetate	2.957	43	41563	4.863	ug/L	95
16) Methylene chloride	3.047	84	153918	5.698	ug/L	100
17) Methyl tert-butyl Ether	3.362	73	212774	4.760	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	100391	4.690	ug/L	98
19) 1,1-Dichloroethane	3.867	63	182660	4.735	ug/L	99
21) 2-Butanone	4.716	43	287836	54.497	ug/L	98
22) cis-1,2-Dichloroethene	4.665	96	108973	4.851	ug/L	98
23) Bromochloromethane	4.973	128	51960	4.835	ug/L	95
25) Chloroform	5.086	83	186172	4.763	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121322\
 Data File : VU052368.D
 Acq On : 13 Dec 2022 11:12
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

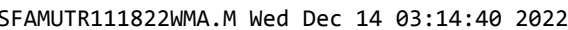
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

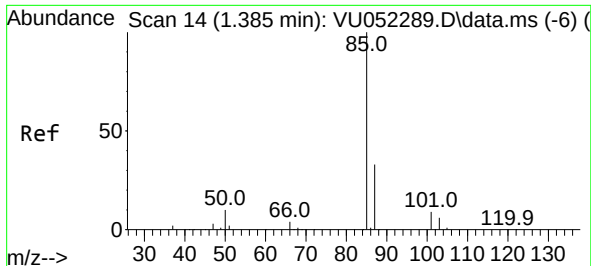
Quant Time: Dec 14 03:14:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 13 01:01:45 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	115304	4.816	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	149872	4.955	ug/L	98
30) Cyclohexane	5.388	56	154609	5.264	ug/L	98
31) Carbon tetrachloride	5.523	117	128931	5.016	ug/L	98
33) Benzene	5.771	78	434256	4.894	ug/L	100
34) Trichloroethene	6.539	95	105347	4.760	ug/L	99
35) Methylcyclohexane	6.761	83	168468	5.292	ug/L	99
37) 1,2-Dichloropropane	6.790	63	111407	4.849	ug/L	99
38) Bromodichloromethane	7.105	83	135245	4.829	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	140699	4.770	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	644539	53.710	ug/L	99
42) Toluene	7.967	91	458920	5.028	ug/L	97
44) trans-1,3-Dichloropropene	8.208	75	122500	4.850	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	85056	4.927	ug/L	99
47) Tetrachloroethene	8.552	164	85348	5.032	ug/L	96
48) 2-Hexanone	8.684	43	501066	56.955	ug/L	99
49) Dibromochloromethane	8.806	129	97090	5.021	ug/L	99
50) 1,2-Dibromoethane	8.922	107	78409	4.986	ug/L	95
51) Chlorobenzene	9.443	112	287291	4.937	ug/L	99
52) Ethylbenzene	9.568	91	452394	5.098	ug/L	100
53) m,p-Xylene	9.690	106	180315	5.248	ug/L	97
54) o-Xylene	10.098	106	171508	5.208	ug/L	98
55) Styrene	10.111	104	294397	5.293	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	108887	5.050	ug/L	99
59) Bromoform	10.288	173	58236	4.866	ug/L	99
60) Isopropylbenzene	10.481	105	449961	4.930	ug/L	100
61) 1,2,3-Trichloropropane	10.819	75	75781	4.557	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	349667	4.792	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	356596	4.923	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	227943	4.891	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	228806	4.922	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	214145	4.771	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	16523	4.540	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	165944	5.021	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	138456	5.502	ug/L	99
71) Naphthalene	14.082	128	248534	5.260	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	134826	5.445	ug/L	99

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

Quant Time: Dec 14 03:14:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Dec 13 01:01:45 2022
Response via : Initial Calibration

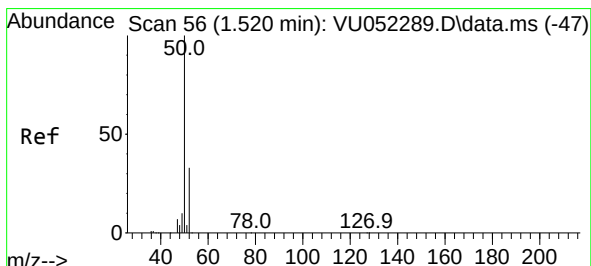
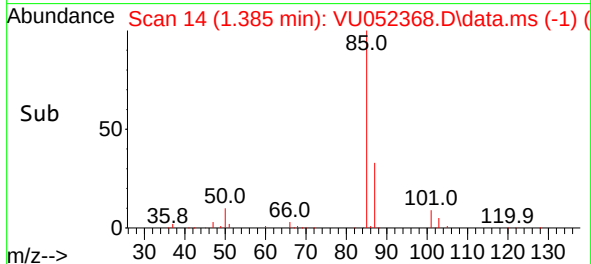
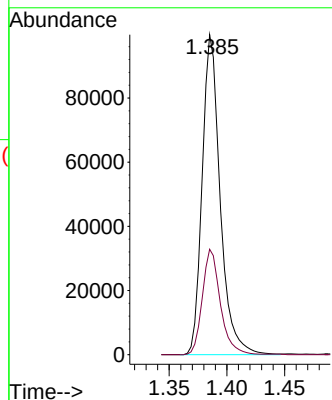
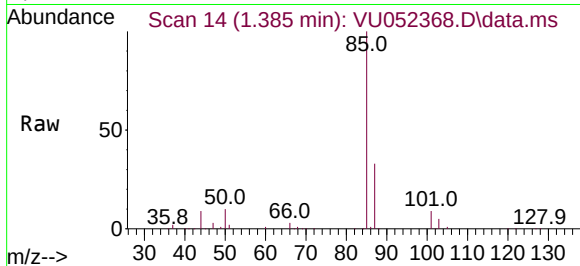




#2
Dichlorodifluoromethane
Concen: 4.532 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

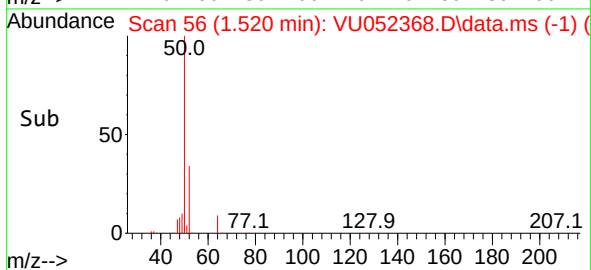
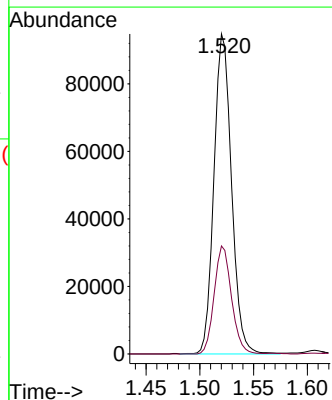
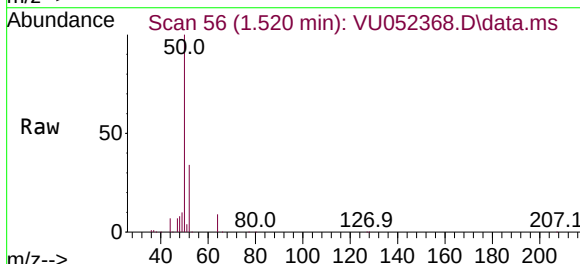
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

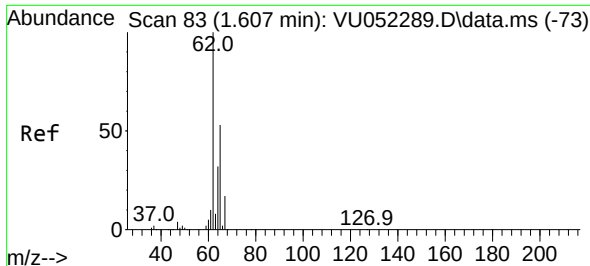
Tgt Ion: 85 Resp: 108189
Ion Ratio Lower Upper
85 100
87 33.0 25.8 38.8



#3
Chloromethane
Concen: 3.462 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 50 Resp: 107843
Ion Ratio Lower Upper
50 100
52 33.8 23.4 43.4

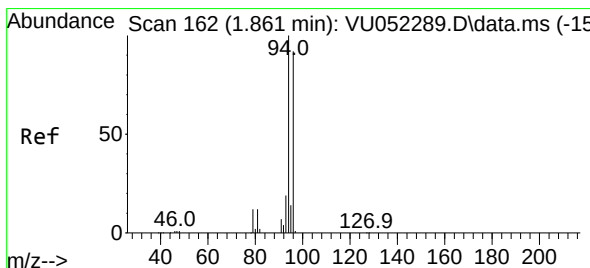
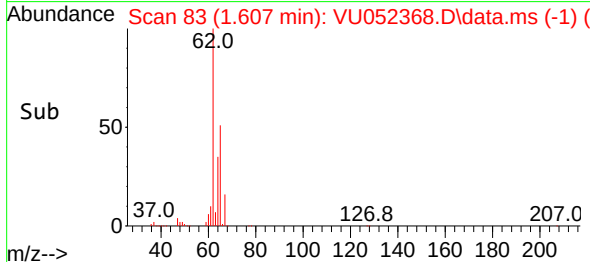
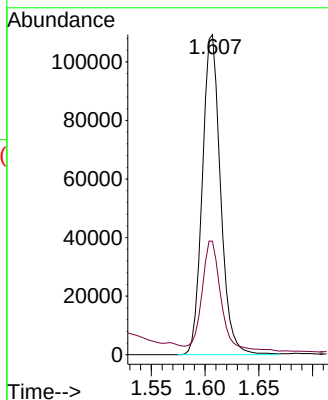
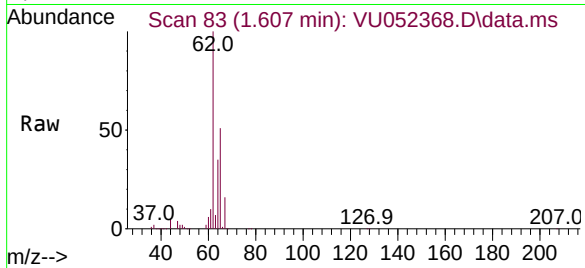




#5
 Vinyl chloride
 Concen: 4.308 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

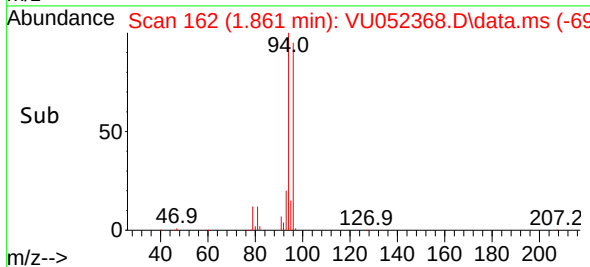
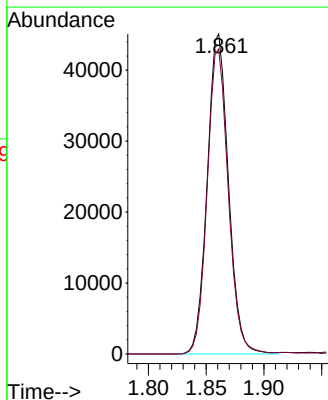
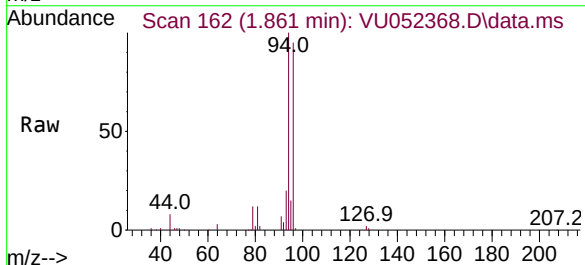
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

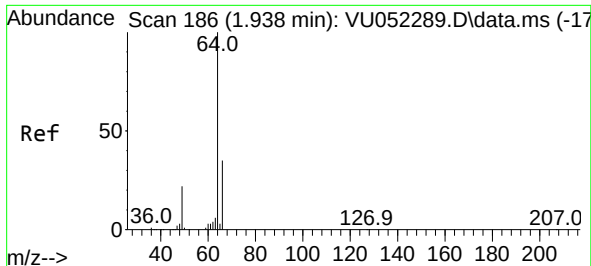
Tgt Ion: 62 Resp: 128956
 Ion Ratio Lower Upper
 62 100
 64 35.5 23.5 43.7



#6
 Bromomethane
 Concen: 3.763 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.000 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

Tgt Ion: 94 Resp: 57792
 Ion Ratio Lower Upper
 94 100
 96 95.3 65.7 122.1

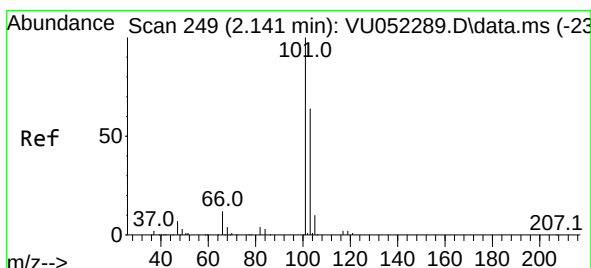
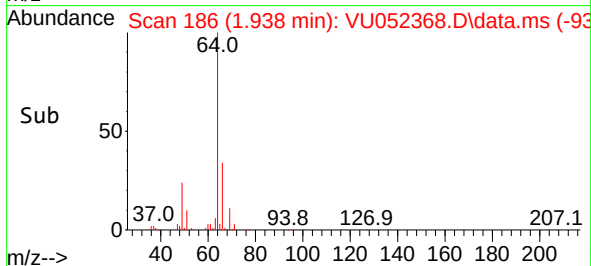
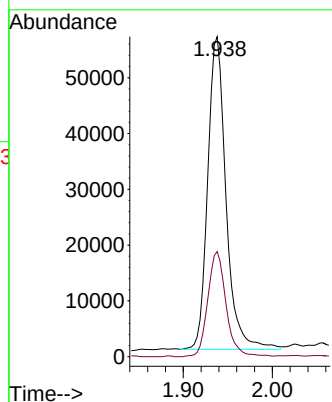
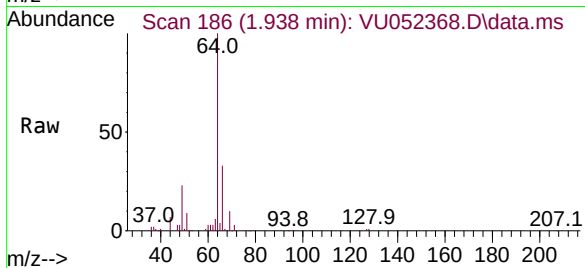




#8
Chloroethane
Concen: 4.284 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

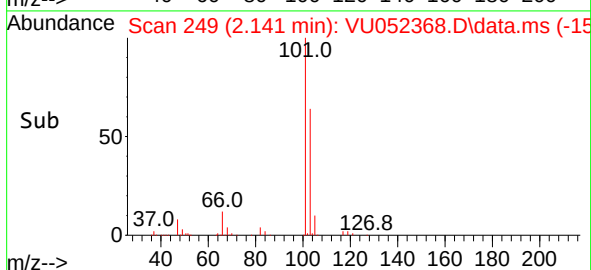
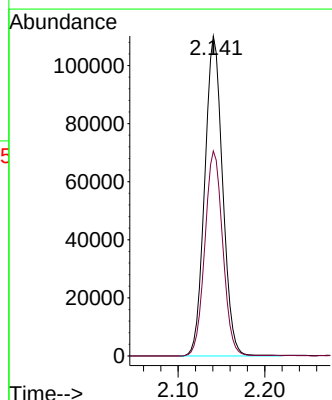
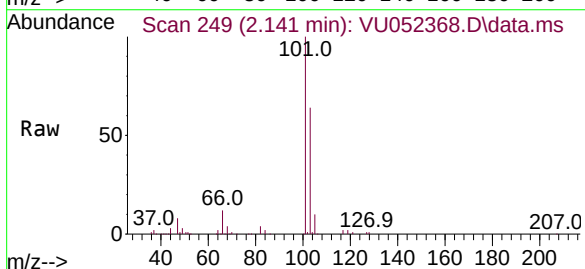
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

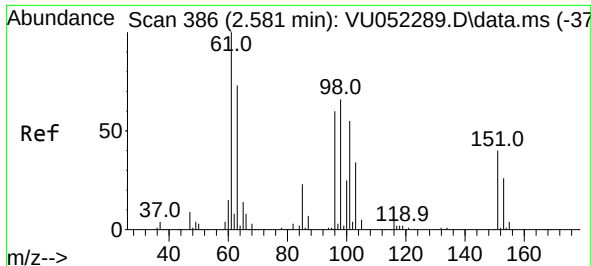
Tgt Ion: 64 Resp: 79743
Ion Ratio Lower Upper
64 100
66 32.8 21.1 39.1



#9
Trichlorofluoromethane
Concen: 4.796 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion:101 Resp: 157938
Ion Ratio Lower Upper
101 100
103 63.9 51.6 77.4

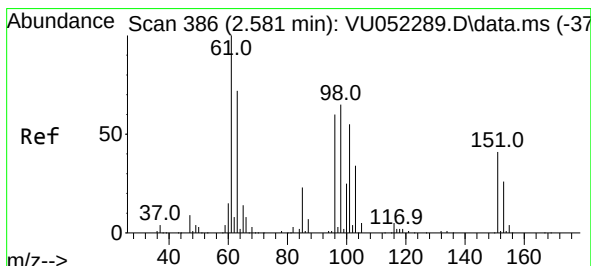
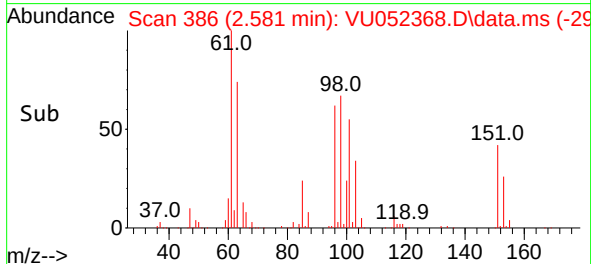
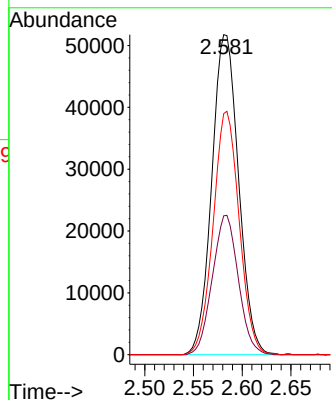
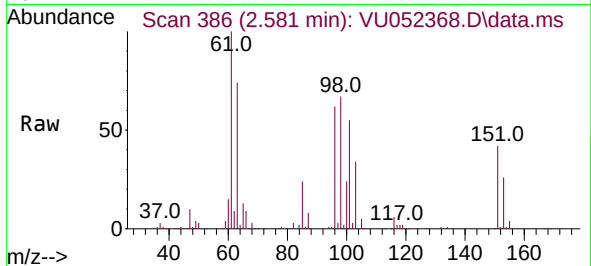




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.913 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

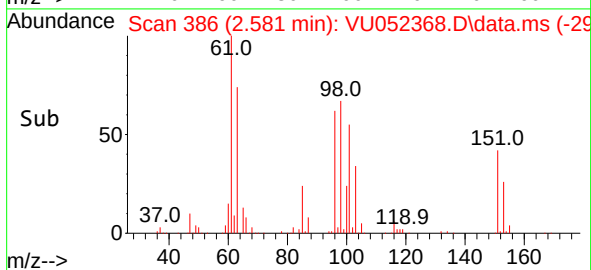
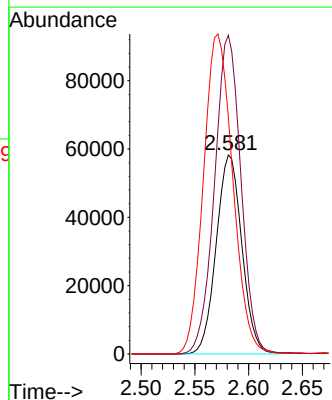
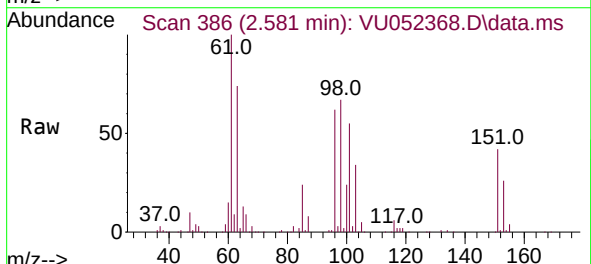
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

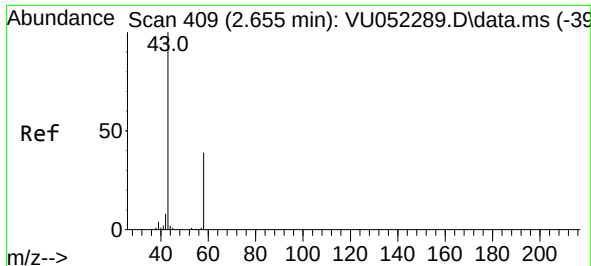
Tgt Ion:101 Resp: 98922
 Ion Ratio Lower Upper
 101 100
 85 42.1 33.8 50.6
 151 73.9 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 4.836 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.003 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

Tgt Ion: 96 Resp: 96558
 Ion Ratio Lower Upper
 96 100
 61 160.2 114.8 213.2
 63 119.1 93.7 174.1





#13

Acetone

Concen: 55.970 ug/L

RT: 2.658 min Scan# 410

Delta R.T. 0.003 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

Instrument :

MSVOA_U

ClientSampleId :

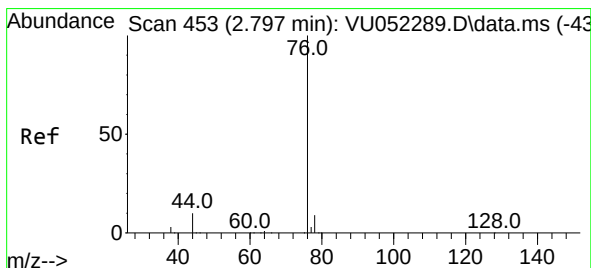
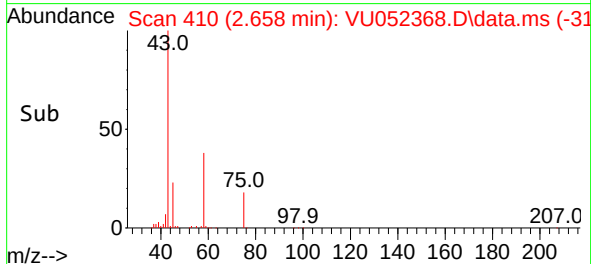
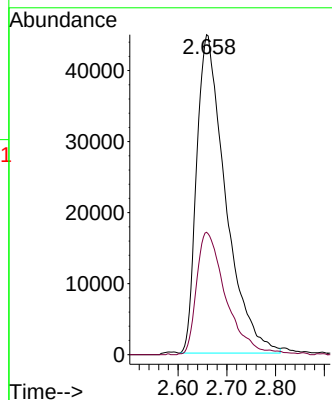
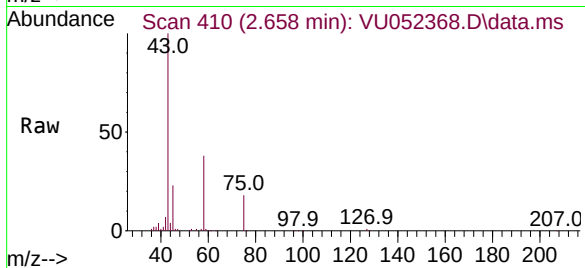
VSTD005105

Tgt Ion: 43 Resp: 184442

Ion Ratio Lower Upper

43 100

58 38.4 0.0 76.0



#14

Carbon disulfide

Concen: 4.480 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.001 min

Lab File: VU052368.D

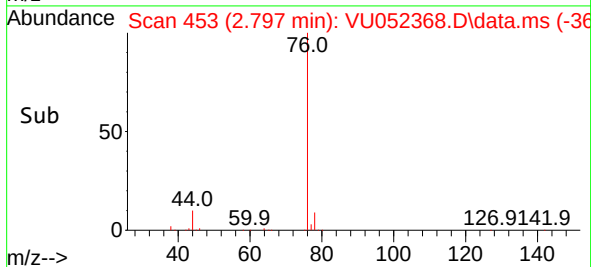
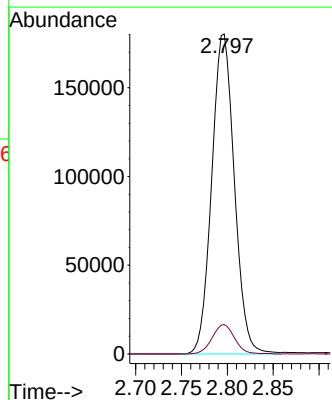
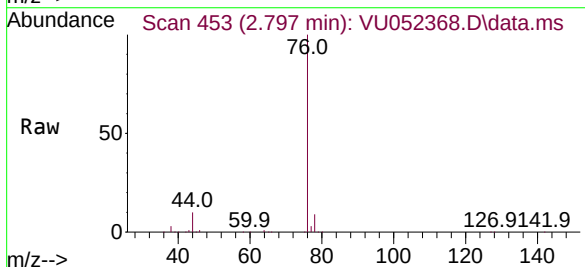
Acq: 13 Dec 2022 11:12

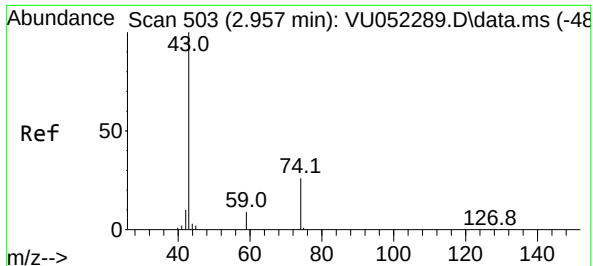
Tgt Ion: 76 Resp: 309649

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

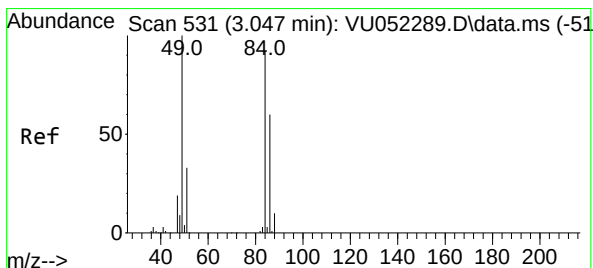
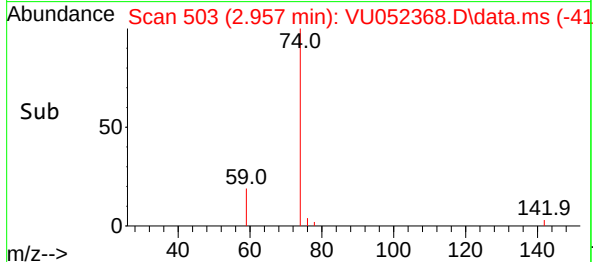
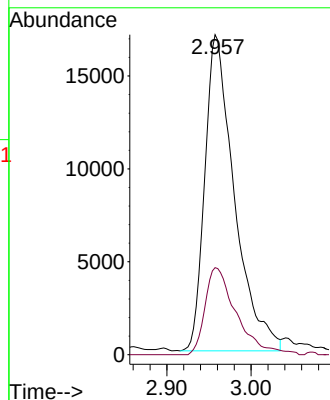
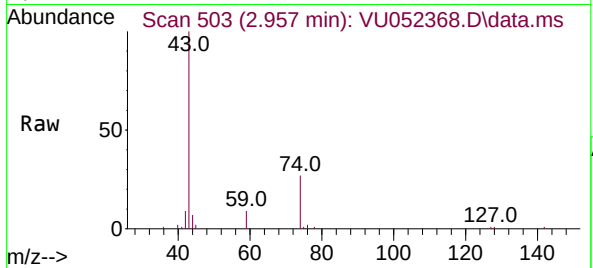




#15
Methyl Acetate
Concen: 4.863 ug/L
RT: 2.957 min Scan# 503
Delta R.T. 0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

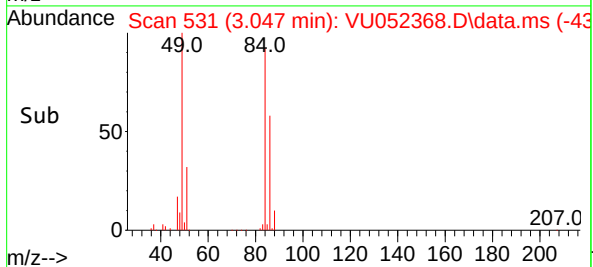
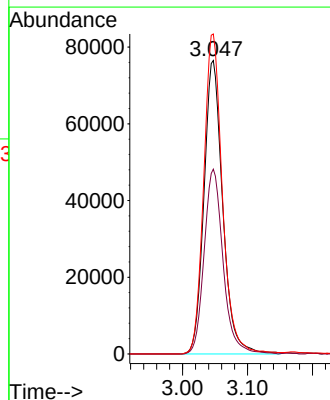
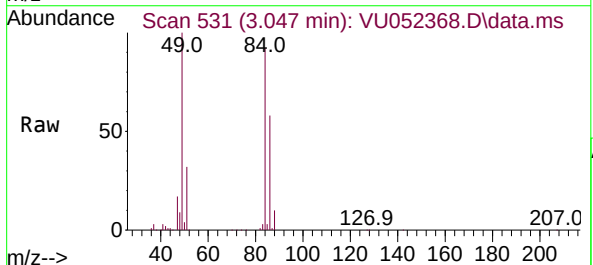
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

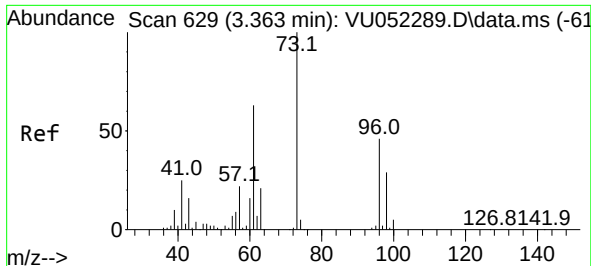
Tgt Ion: 43 Resp: 41563
Ion Ratio Lower Upper
43 100
74 29.1 21.3 31.9



#16
Methylene chloride
Concen: 5.698 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 84 Resp: 153918
Ion Ratio Lower Upper
84 100
86 63.0 43.8 81.4
49 109.0 75.9 141.1

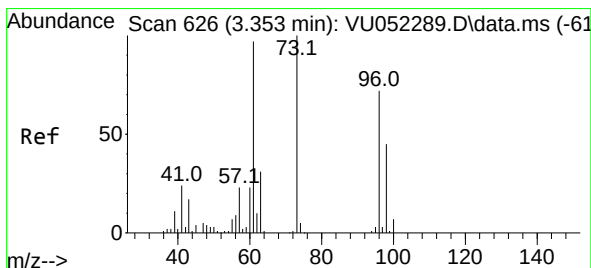
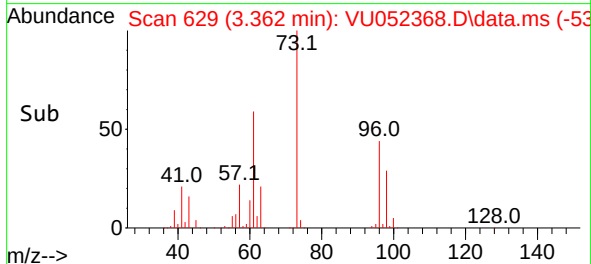
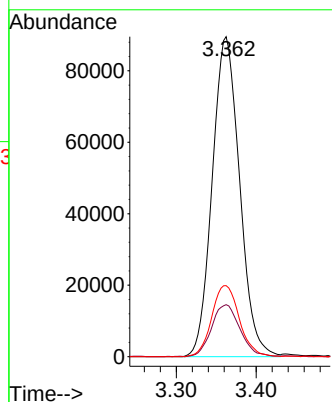
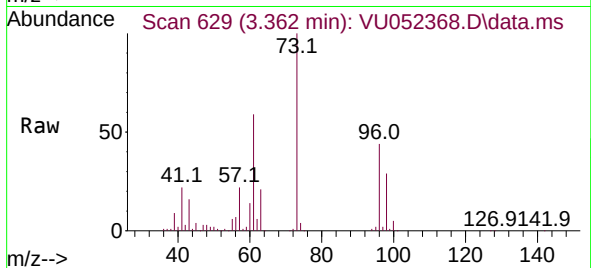




#17
Methyl tert-butyl Ether
Concen: 4.760 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.001 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

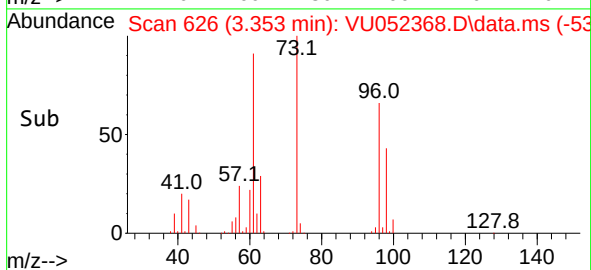
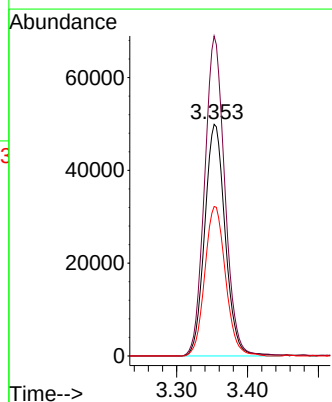
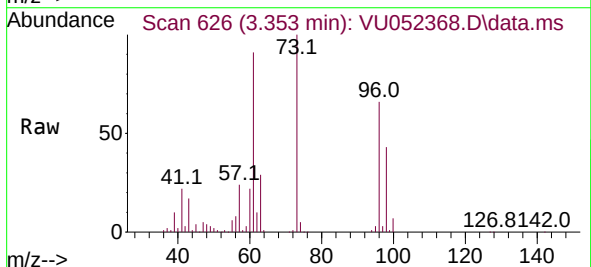
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

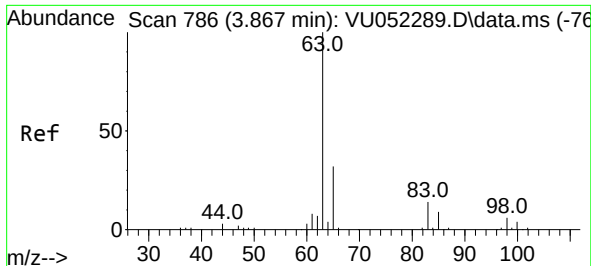
Tgt Ion: 73 Resp: 212774
Ion Ratio Lower Upper
73 100
43 16.9 13.2 19.8
57 22.5 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.690 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 96 Resp: 100391
Ion Ratio Lower Upper
96 100
61 138.1 97.9 181.7
98 64.5 43.8 81.3





#19

1,1-Dichloroethane

Concen: 4.735 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.004 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

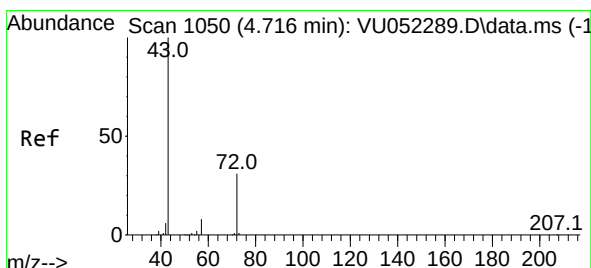
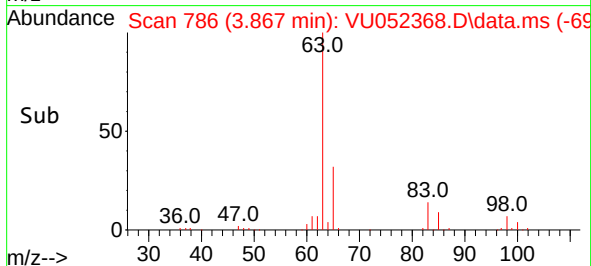
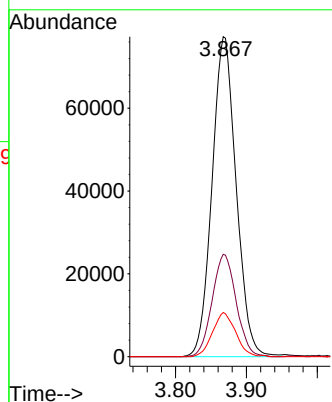
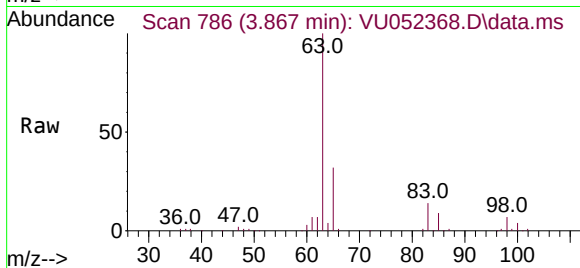
Tgt Ion: 63 Resp: 182660

Ion Ratio Lower Upper

63 100

65 32.0 22.2 41.2

83 13.8 9.2 17.0



#21

2-Butanone

Concen: 54.497 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. -0.003 min

Lab File: VU052368.D

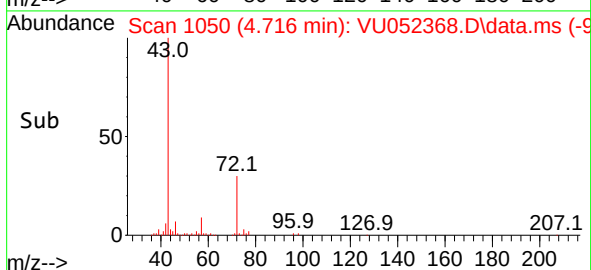
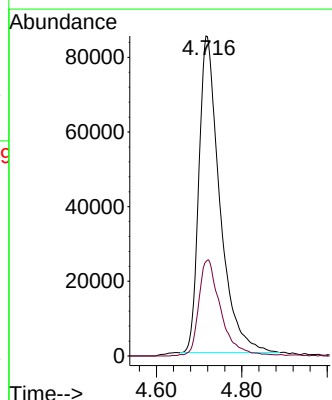
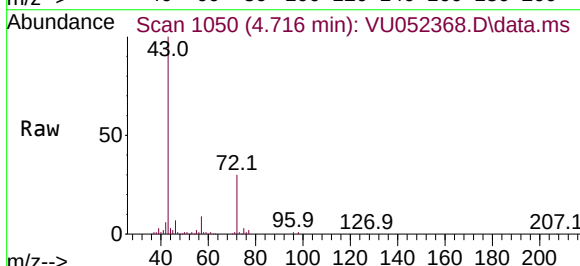
Acq: 13 Dec 2022 11:12

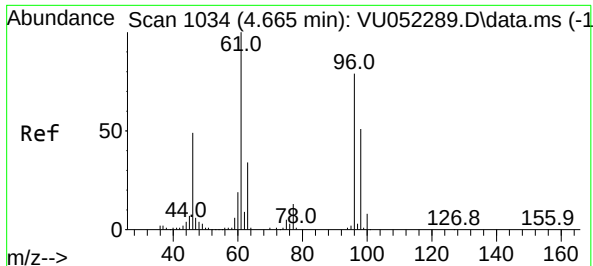
Tgt Ion: 43 Resp: 287836

Ion Ratio Lower Upper

43 100

72 30.3 15.6 46.8

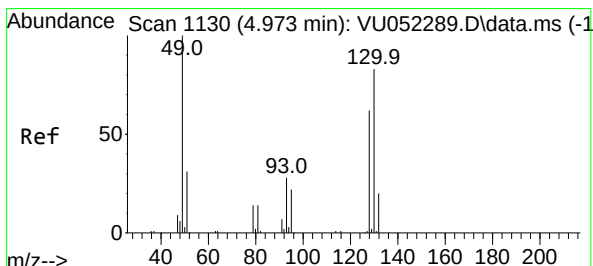
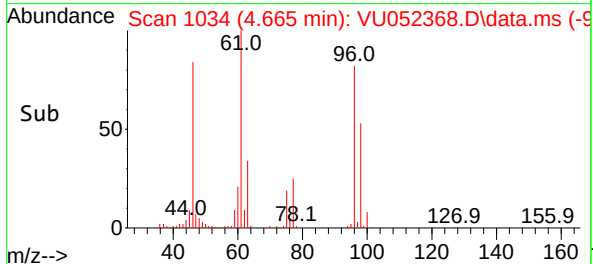
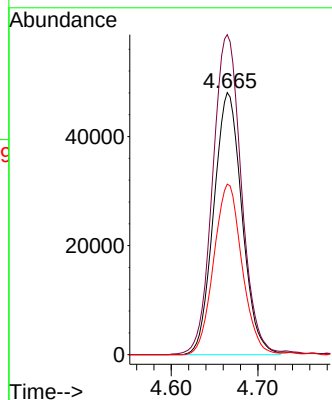
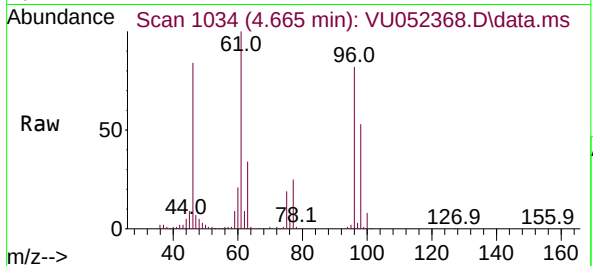




#22
 cis-1,2-Dichloroethene
 Concen: 4.851 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

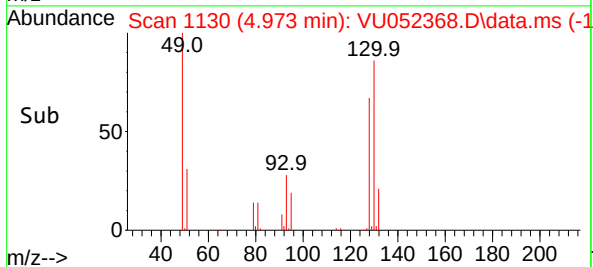
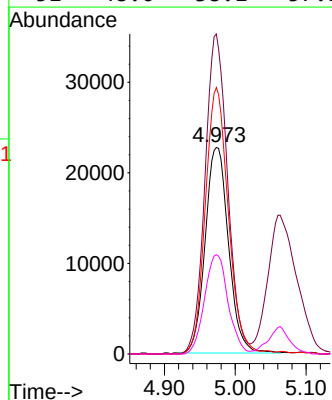
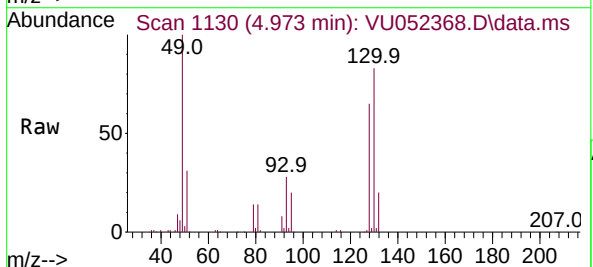
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

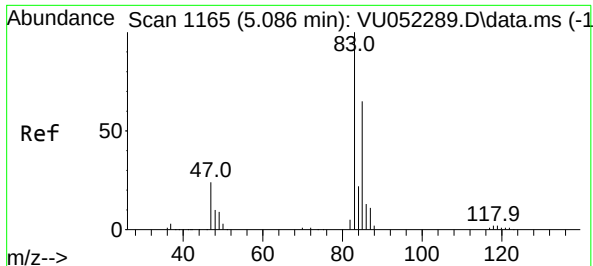
Tgt Ion: 96 Resp: 108973
 Ion Ratio Lower Upper
 96 100
 61 122.1 85.1 158.1
 98 65.1 42.8 79.6



#23
 Bromochloromethane
 Concen: 4.835 ug/L
 RT: 4.973 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

Tgt Ion:128 Resp: 51960
 Ion Ratio Lower Upper
 128 100
 49 154.9 104.0 193.2
 130 128.9 84.6 157.2
 51 48.0 38.1 57.1

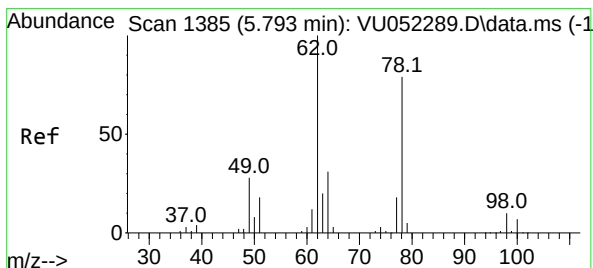
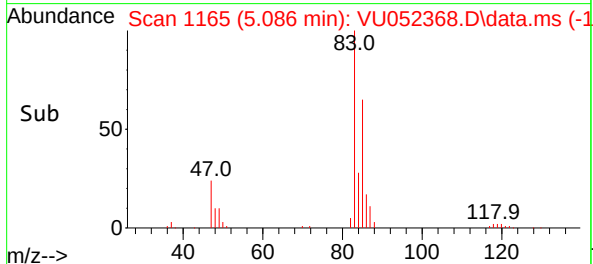
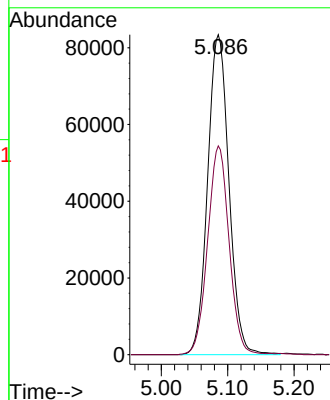
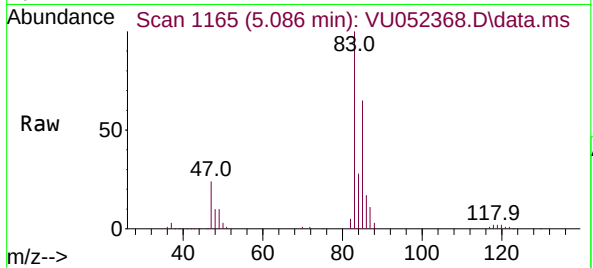




#25
Chloroform
Concen: 4.763 ug/L
RT: 5.086 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

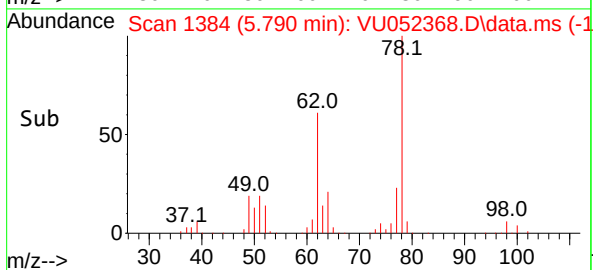
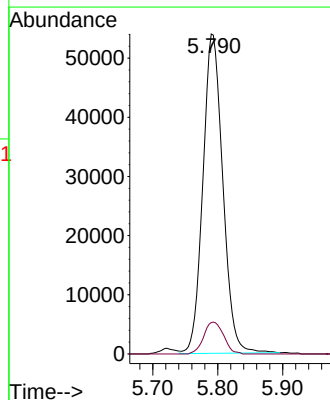
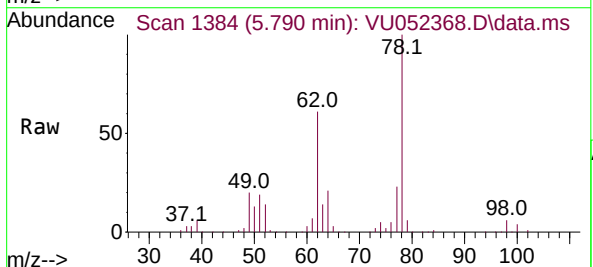
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

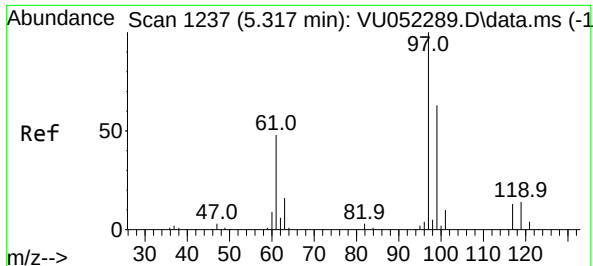
Tgt Ion: 83 Resp: 186172
Ion Ratio Lower Upper
83 100
85 65.2 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.816 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. -0.003 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 62 Resp: 115304
Ion Ratio Lower Upper
62 100
98 9.8 8.4 12.6

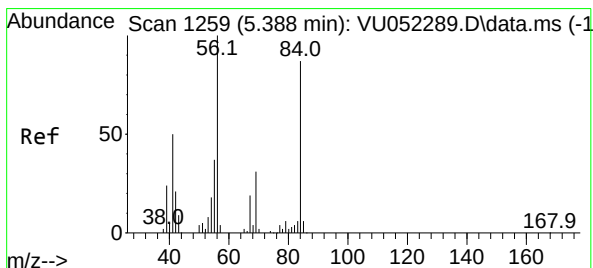
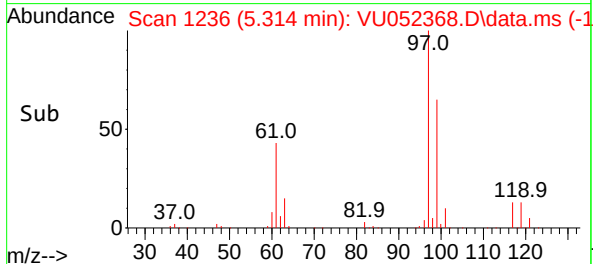
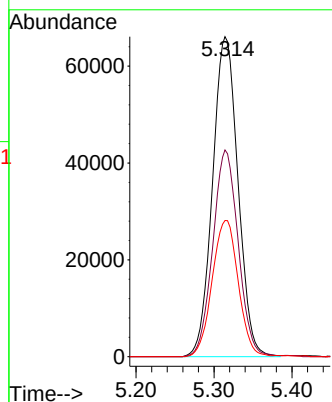
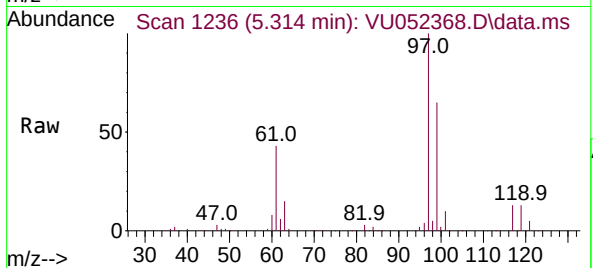




#29
1,1,1-Trichloroethane
Concen: 4.955 ug/L
RT: 5.314 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

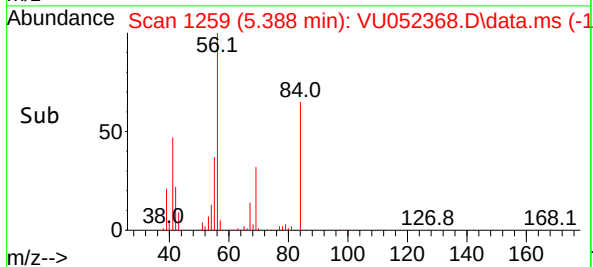
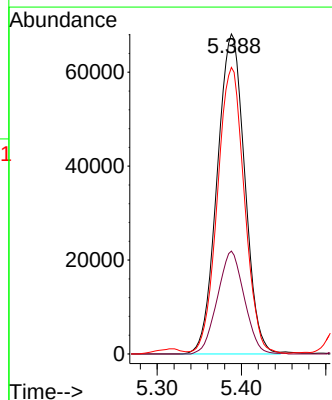
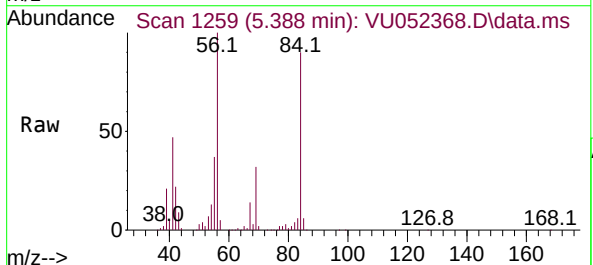
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

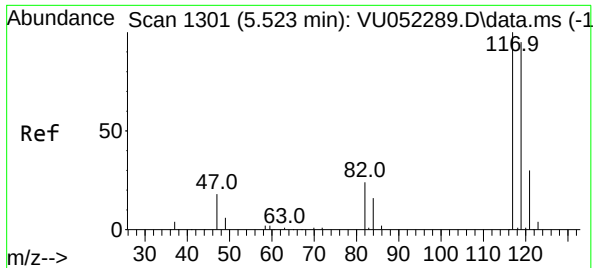
Tgt Ion: 97 Resp: 149872
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 43.7 36.9 55.3



#30
Cyclohexane
Concen: 5.264 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 56 Resp: 154609
Ion Ratio Lower Upper
56 100
69 31.3 25.6 38.4
84 87.3 72.0 108.0

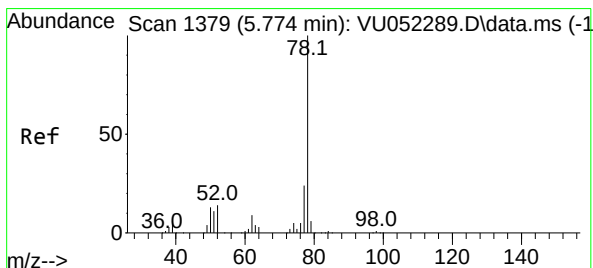
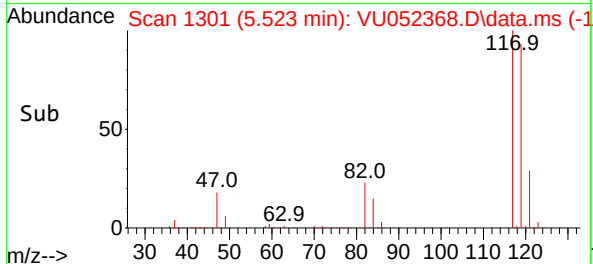
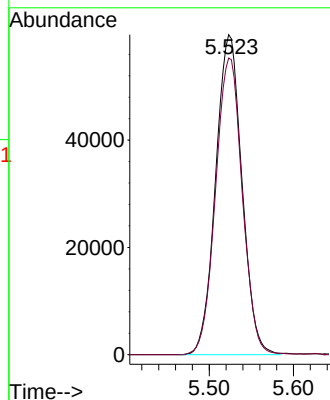
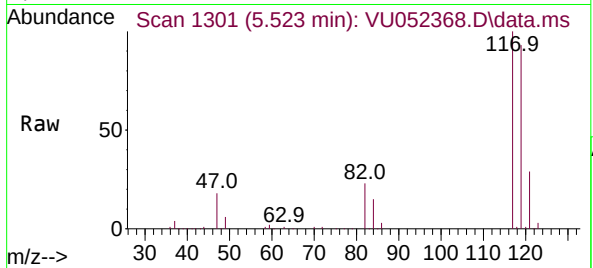




#31
Carbon tetrachloride
Concen: 5.016 ug/L
RT: 5.523 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

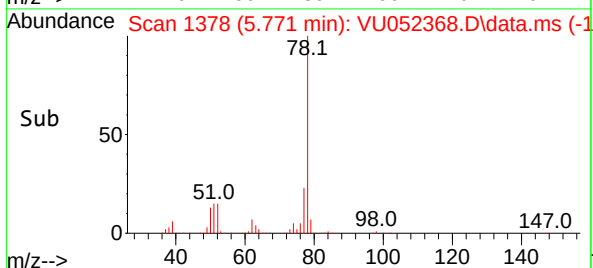
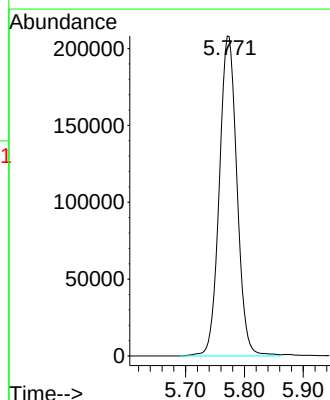
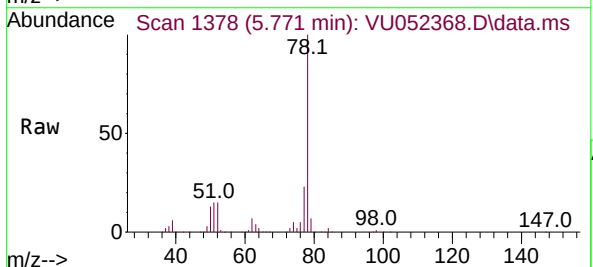
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

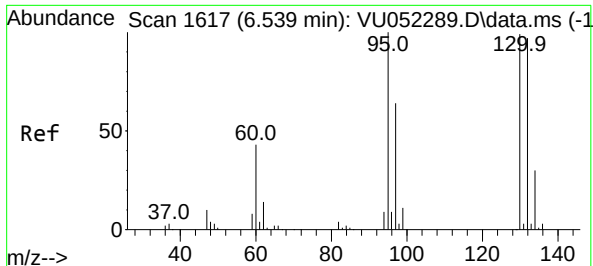
Tgt Ion:117 Resp: 128931
Ion Ratio Lower Upper
117 100
119 94.4 77.2 115.8



#33
Benzene
Concen: 4.894 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 78 Resp: 434256

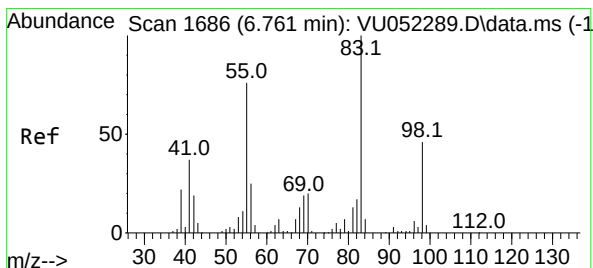
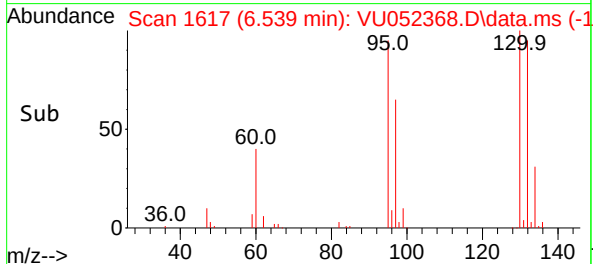
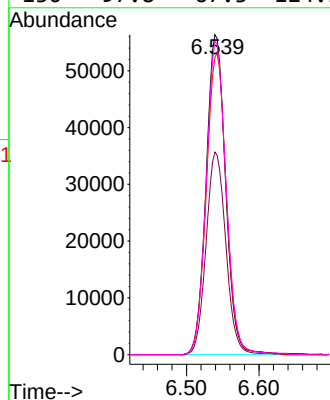
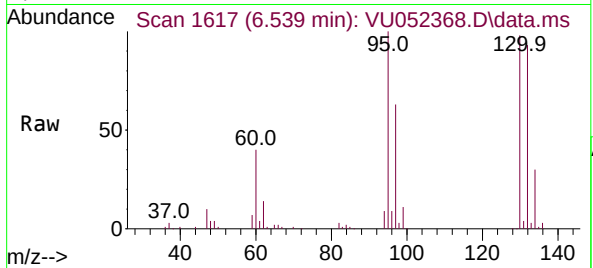




#34
Trichloroethene
Concen: 4.760 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

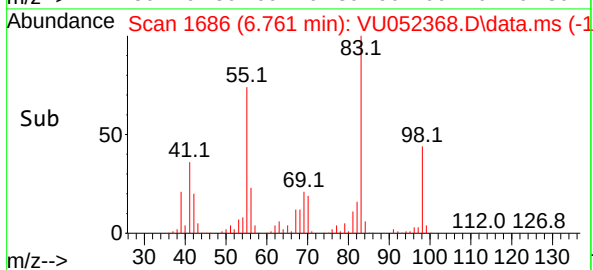
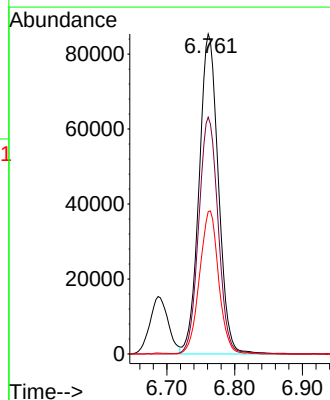
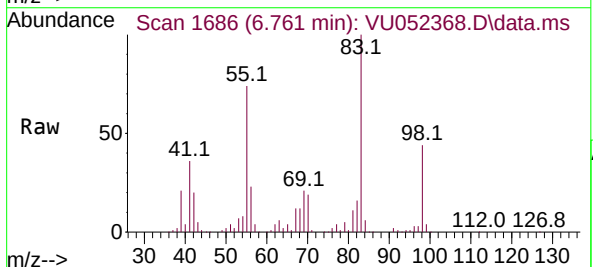
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

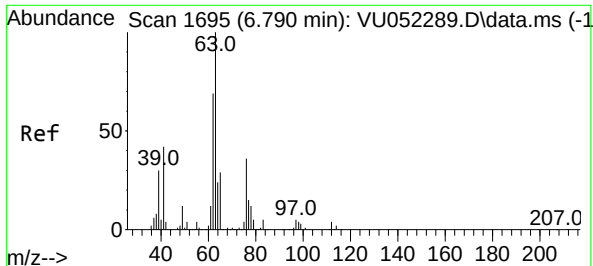
Tgt Ion: 95 Resp: 105347
Ion Ratio Lower Upper
95 100
97 63.3 43.7 81.1
132 93.0 64.3 119.3
130 97.8 67.3 124.9



#35
Methylcyclohexane
Concen: 5.292 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 83 Resp: 168468
Ion Ratio Lower Upper
83 100
55 74.4 60.8 91.2
98 44.2 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.849 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

Instrument :

MSVOA_U

ClientSampleId :

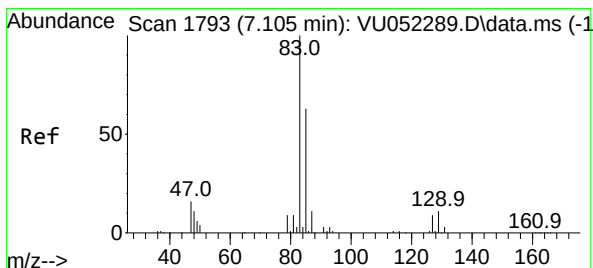
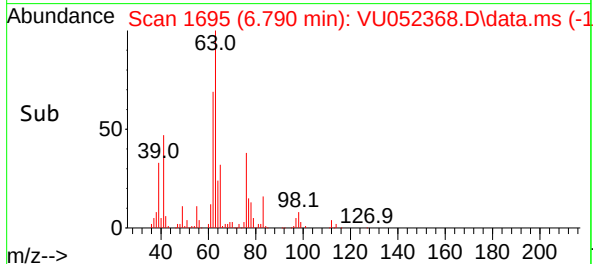
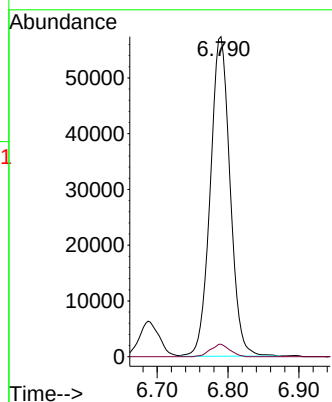
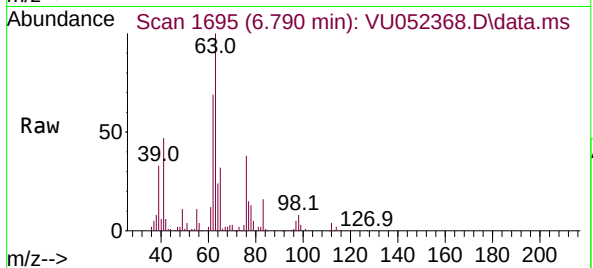
VSTD005105

Tgt Ion: 63 Resp: 111407

Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



#38

Bromodichloromethane

Concen: 4.829 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.003 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

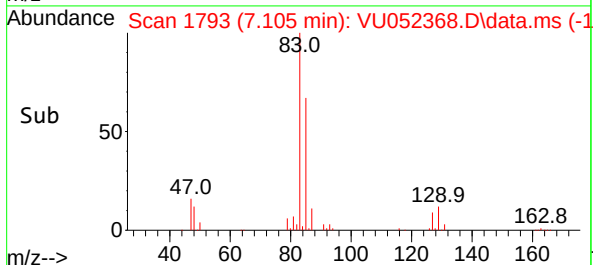
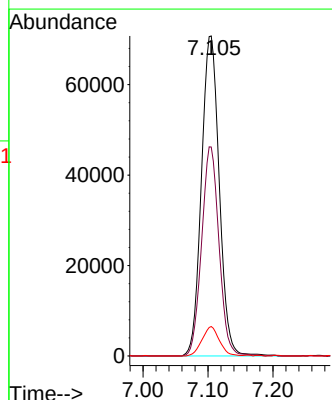
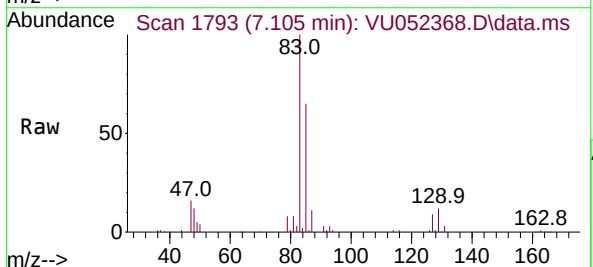
Tgt Ion: 83 Resp: 135245

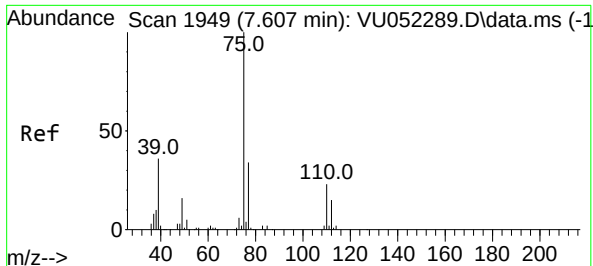
Ion Ratio Lower Upper

83 100

85 65.3 43.5 80.9

127 9.2 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.770 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.004 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

Instrument :

MSVOA_U

ClientSampleId :

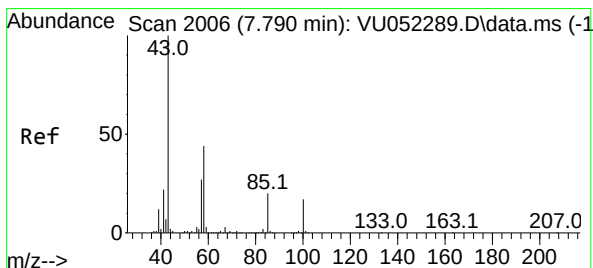
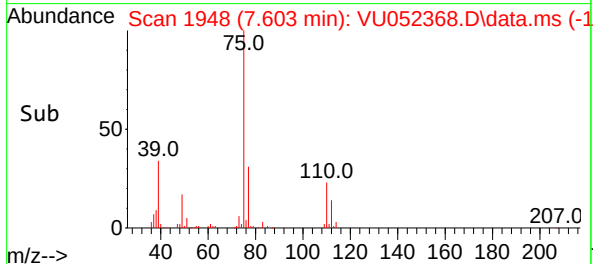
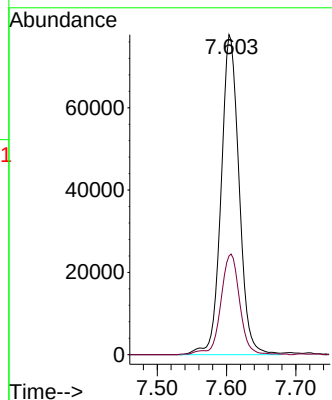
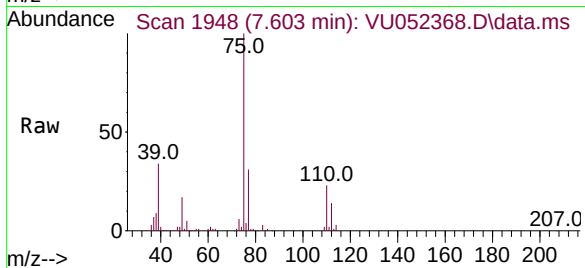
VSTD005105

Tgt Ion: 75 Resp: 140699

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 53.710 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

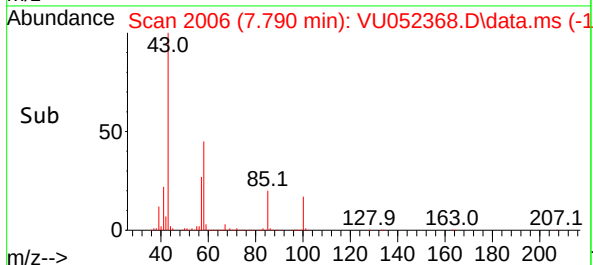
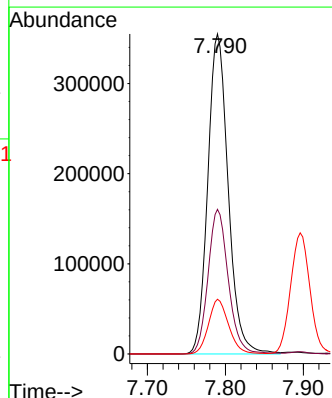
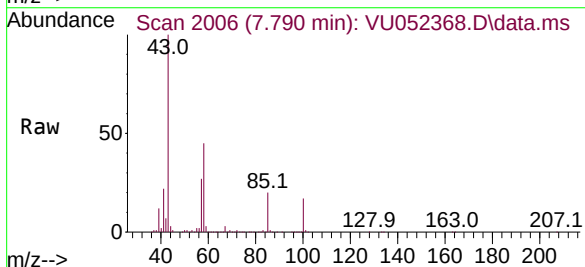
Tgt Ion: 43 Resp: 644539

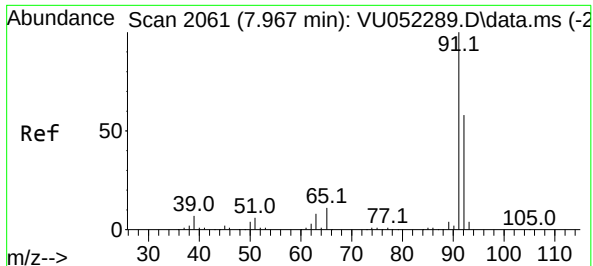
Ion Ratio Lower Upper

43 100

58 44.9 35.3 52.9

100 16.9 13.6 20.4

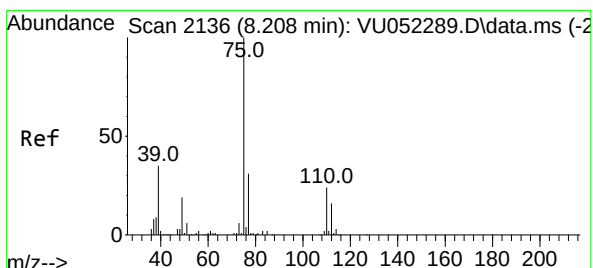
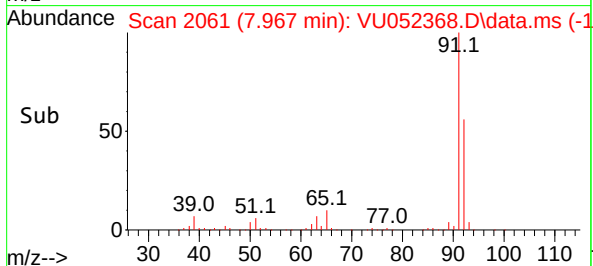
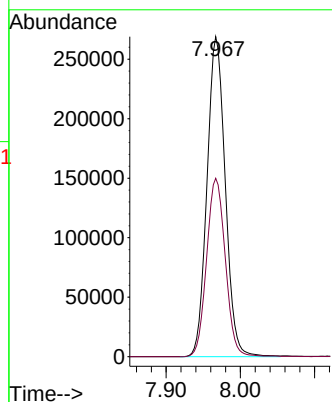
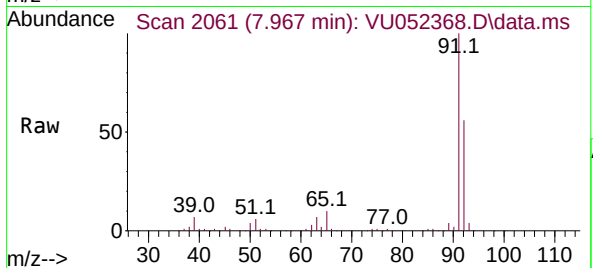




#42
Toluene
Concen: 5.028 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

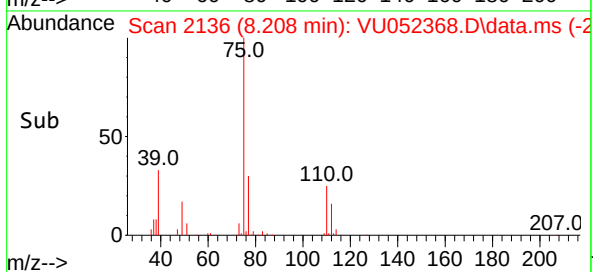
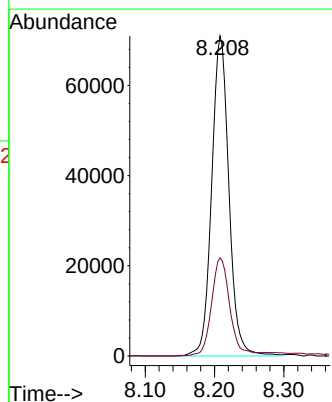
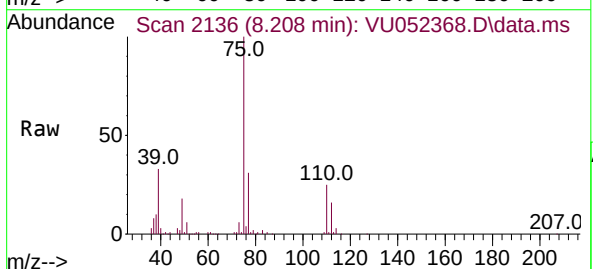
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

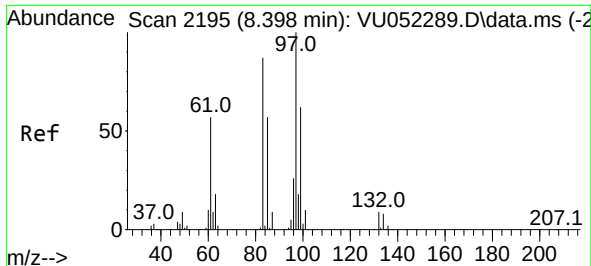
Tgt Ion: 91 Resp: 458920
Ion Ratio Lower Upper
91 100
92 55.7 40.7 75.5



#44
trans-1,3-Dichloropropene
Concen: 4.850 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 75 Resp: 122500
Ion Ratio Lower Upper
75 100
77 30.7 22.6 42.0

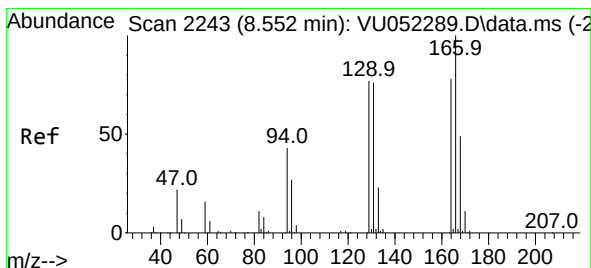
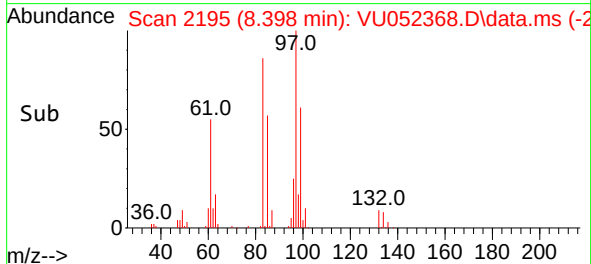
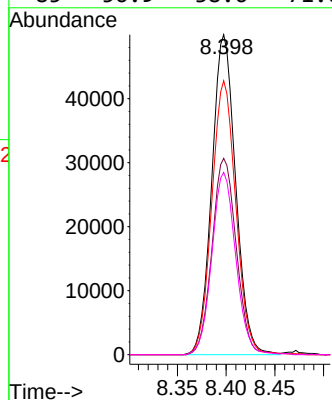
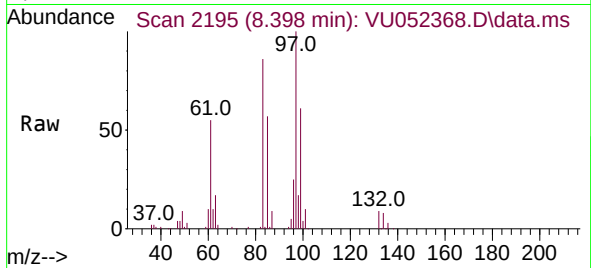




#45
1,1,2-Trichloroethane
Concen: 4.927 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

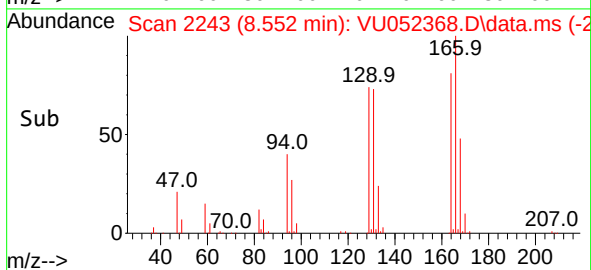
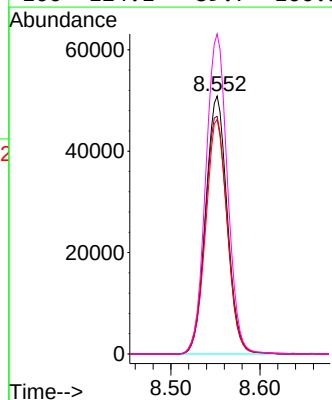
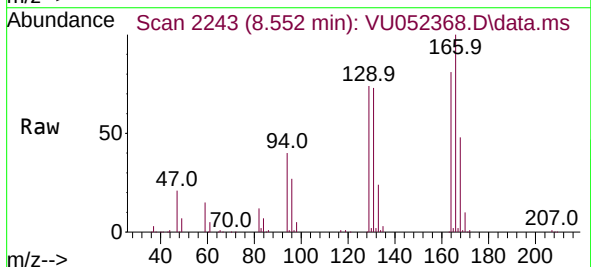
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

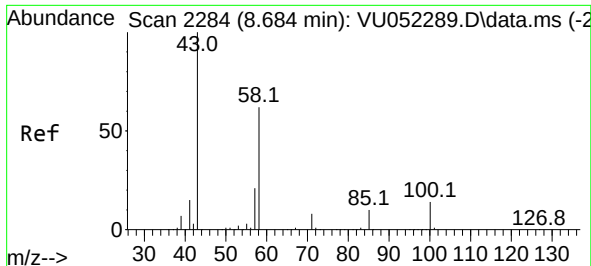
Tgt Ion:	97	Resp:	85056
Ion	Ratio	Lower	Upper
97	100		
99	61.3	42.6	79.2
83	85.6	60.7	112.7
85	56.9	38.6	71.6



#47
Tetrachloroethene
Concen: 5.032 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion:	164	Resp:	85348
Ion	Ratio	Lower	Upper
164	100		
129	92.1	67.4	125.2
131	90.9	67.1	124.7
166	124.1	89.7	166.5

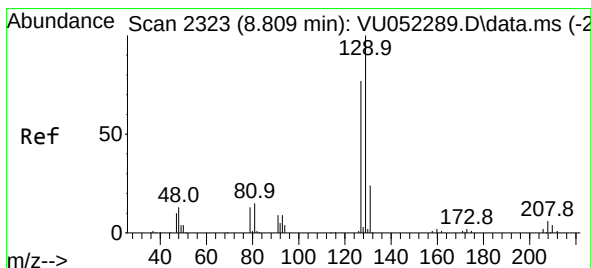
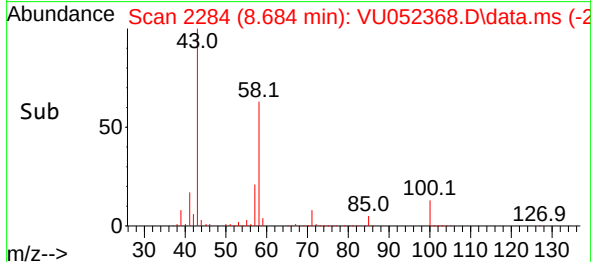
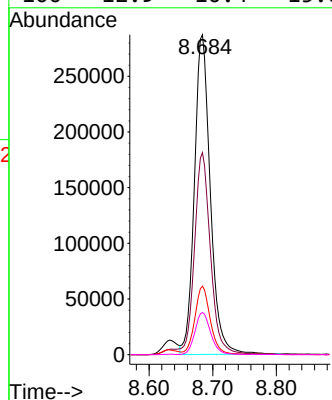
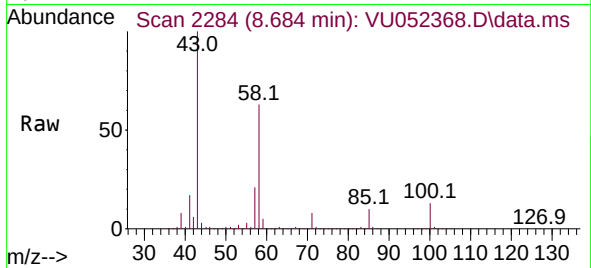




#48
2-Hexanone
Concen: 56.955 ug/L
RT: 8.684 min Scan# 2106
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

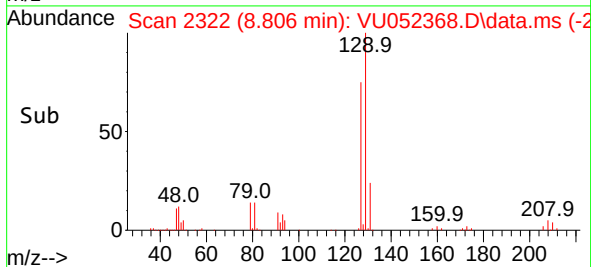
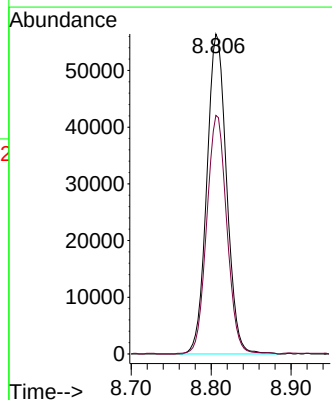
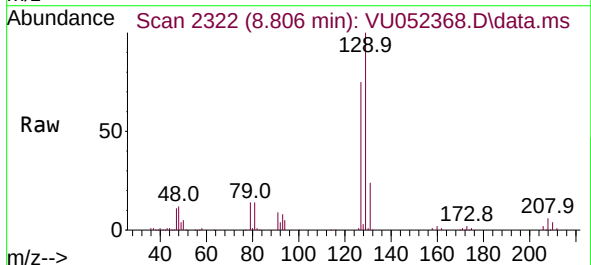
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

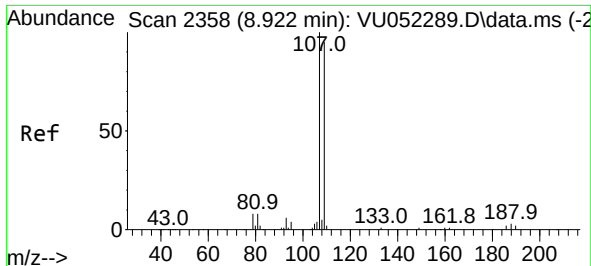
Tgt Ion:	43	Resp:	501066
Ion	Ratio	Lower	Upper
43	100		
58	62.6	49.4	74.0
57	20.7	16.3	24.5
100	12.9	10.4	15.6



#49
Dibromochloromethane
Concen: 5.021 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.003 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion:	129	Resp:	97090
Ion	Ratio	Lower	Upper
129	100		
127	74.5	52.8	98.2

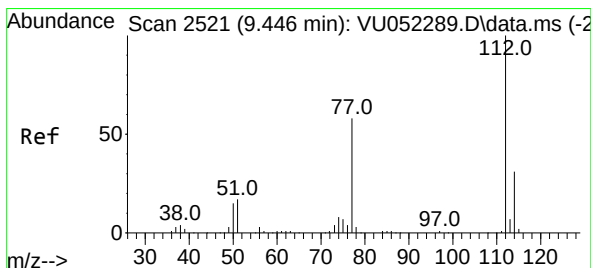
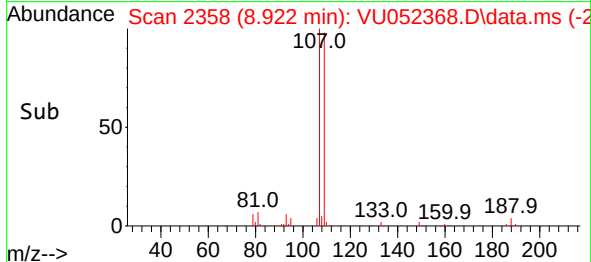
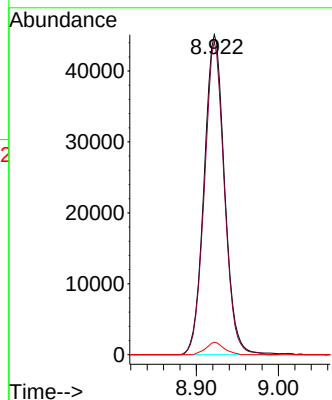
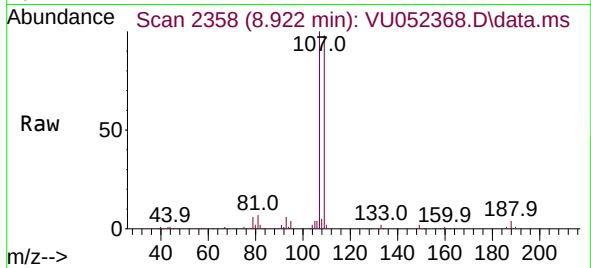




#50
1,2-Dibromoethane
Concen: 4.986 ug/L
RT: 8.922 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

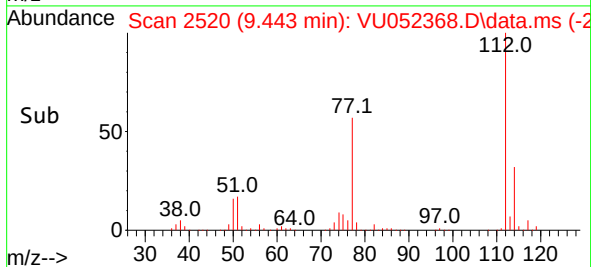
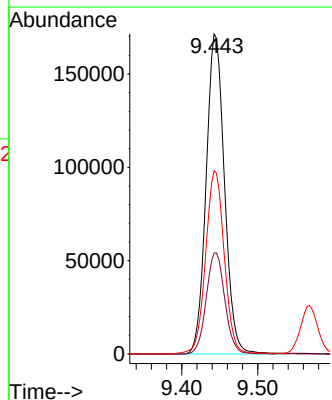
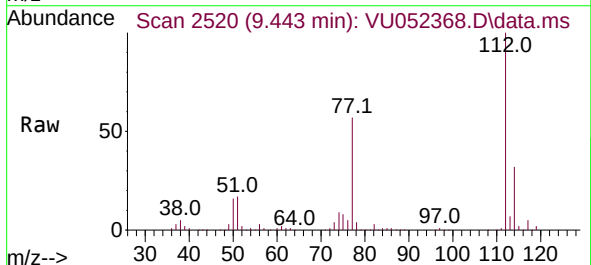
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

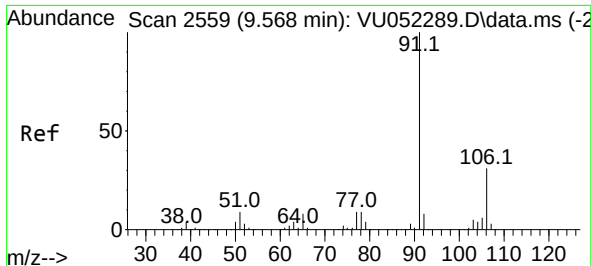
Tgt Ion:107 Resp: 78409
Ion Ratio Lower Upper
107 100
109 97.9 64.9 120.5
188 3.9 2.6 4.0



#51
Chlorobenzene
Concen: 4.937 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.003 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion:112 Resp: 287291
Ion Ratio Lower Upper
112 100
114 31.5 22.2 41.2
77 57.3 46.6 70.0

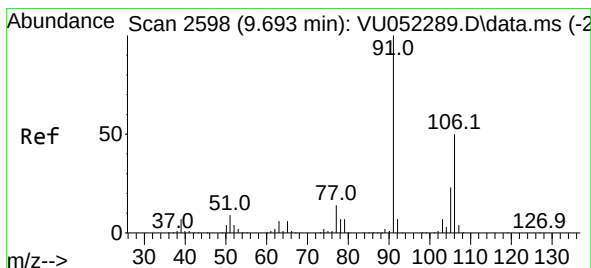
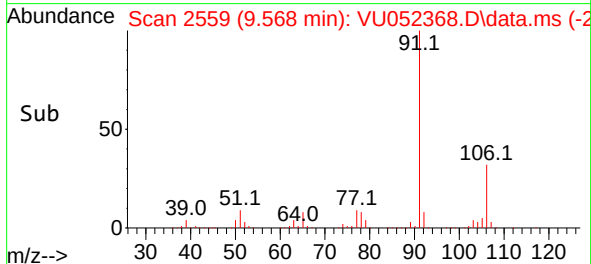
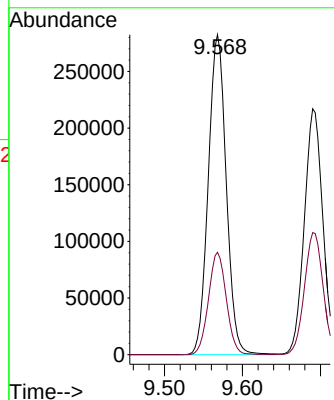
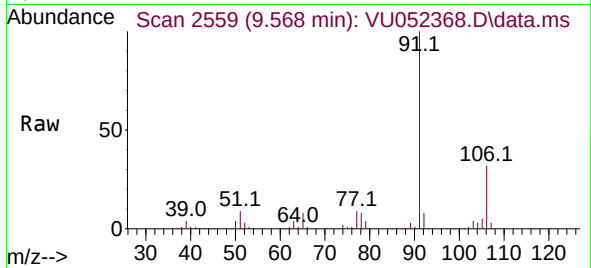




#52
Ethylbenzene
Concen: 5.098 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

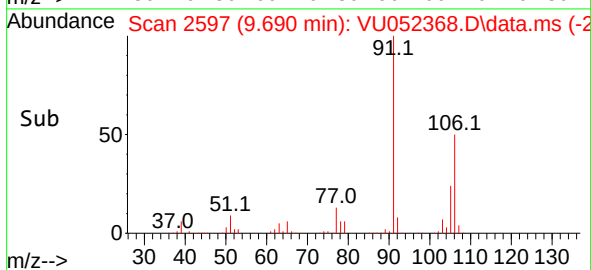
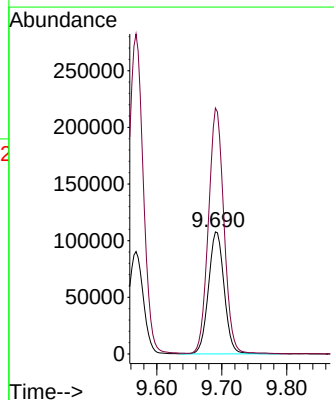
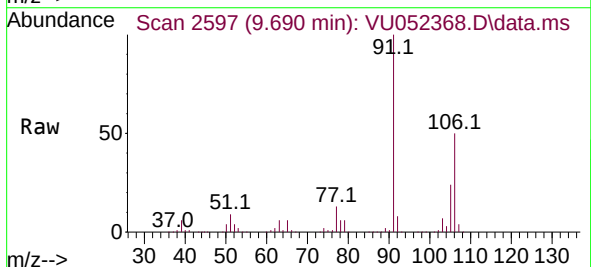
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

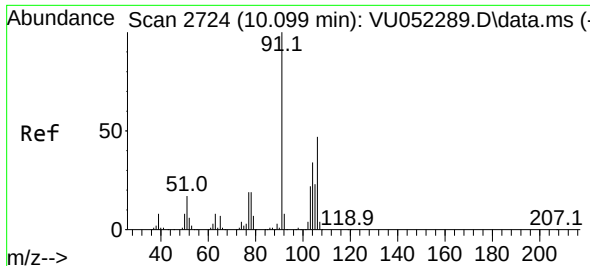
Tgt Ion: 91 Resp: 452394
Ion Ratio Lower Upper
91 100
106 32.0 22.3 41.3



#53
m,p-Xylene
Concen: 5.248 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 106 Resp: 180315
Ion Ratio Lower Upper
106 100
91 201.4 137.7 255.7

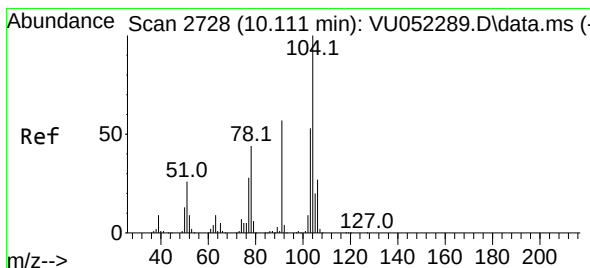
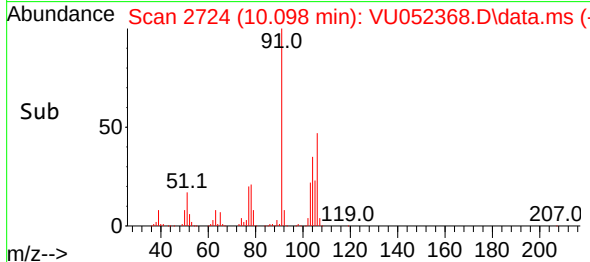
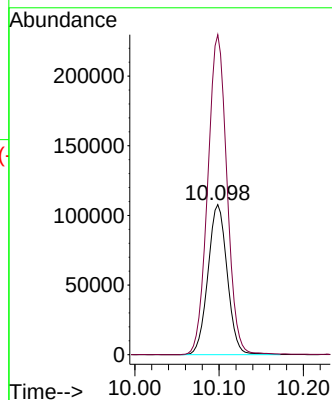
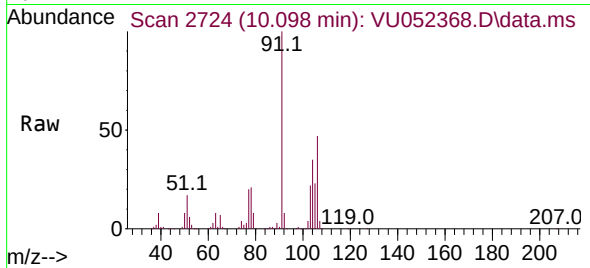




#54
o-Xylene
Concen: 5.208 ug/L
RT: 10.098 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

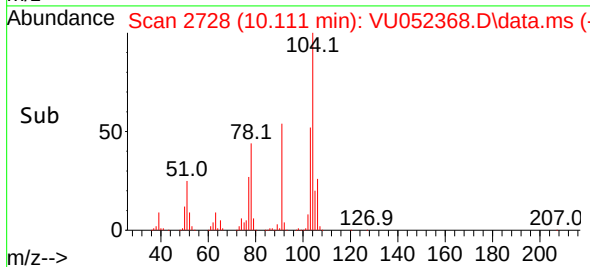
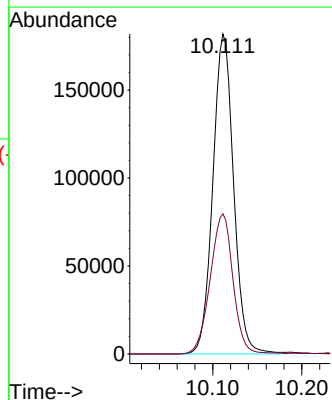
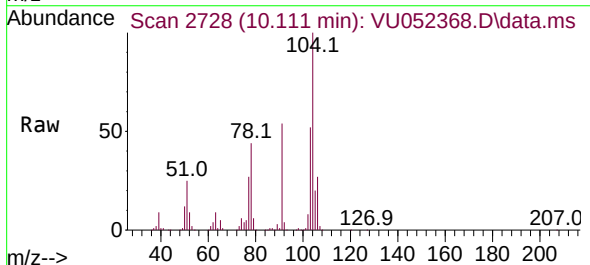
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

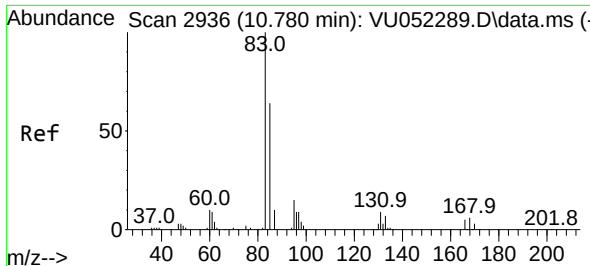
Tgt Ion:106 Resp: 171508
Ion Ratio Lower Upper
106 100
91 213.3 151.5 281.5



#55
Styrene
Concen: 5.293 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion:104 Resp: 294397
Ion Ratio Lower Upper
104 100
78 43.8 30.6 56.8

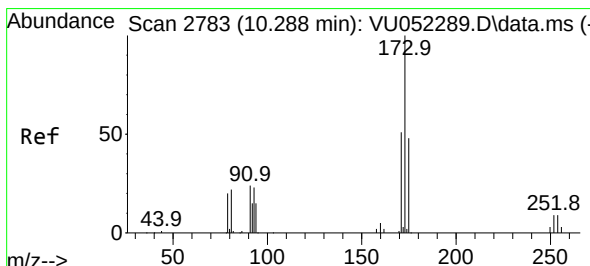
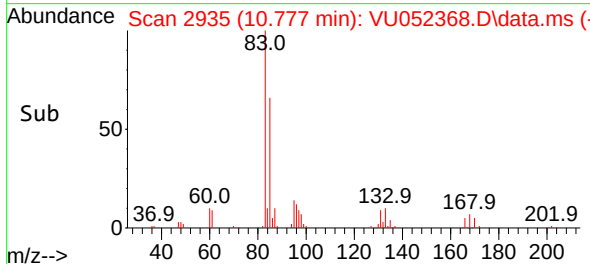
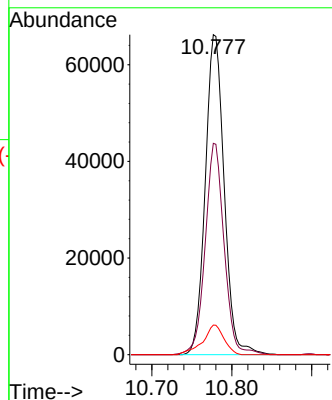
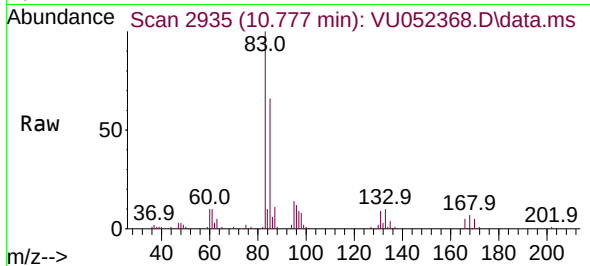




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.050 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. -0.003 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

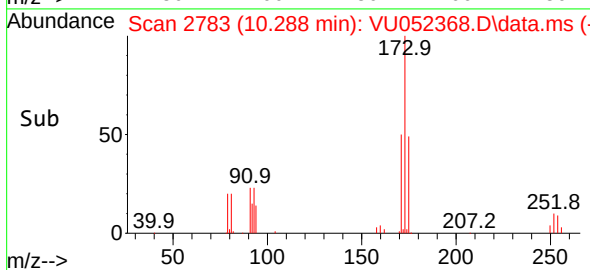
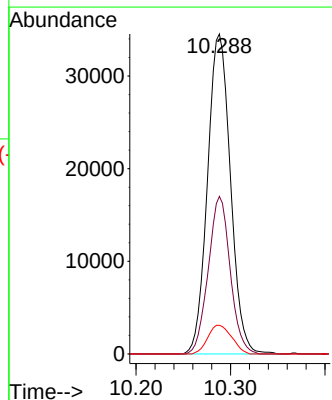
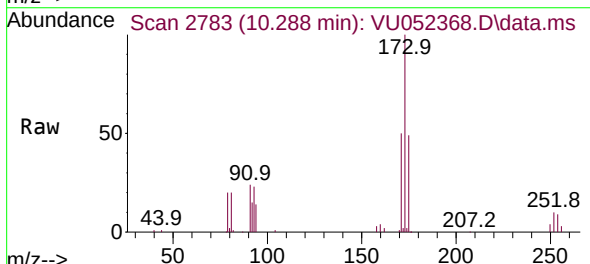
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

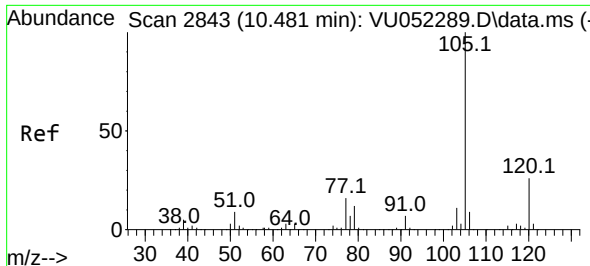
Tgt Ion: 83 Resp: 108887
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.7 84.9
 131 9.2 7.6 11.4



#59
 Bromoform
 Concen: 4.866 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.000 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

Tgt Ion:173 Resp: 58236
 Ion Ratio Lower Upper
 173 100
 175 47.0 37.2 55.8
 254 9.4 7.0 10.6

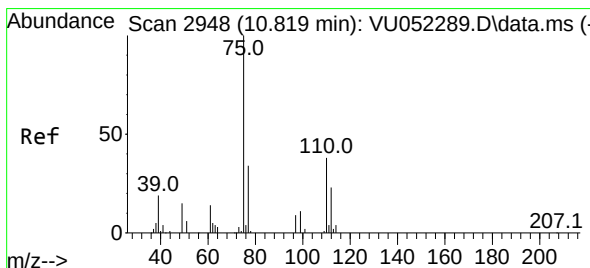
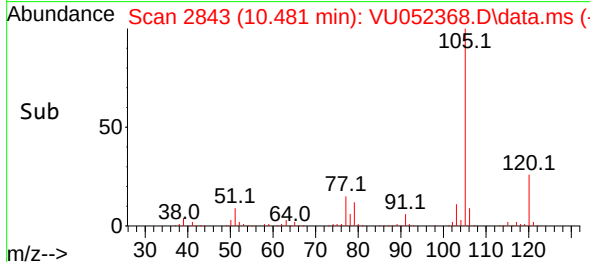
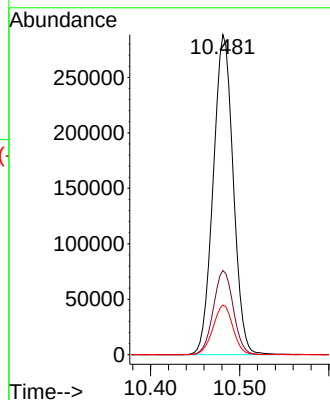
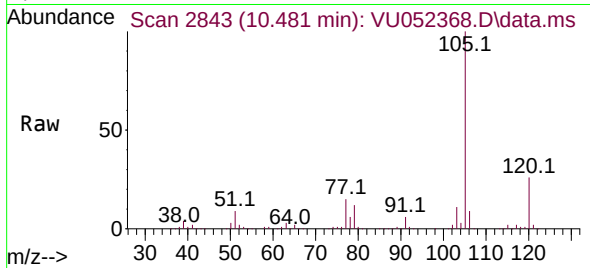




#60
Isopropylbenzene
Concen: 4.930 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

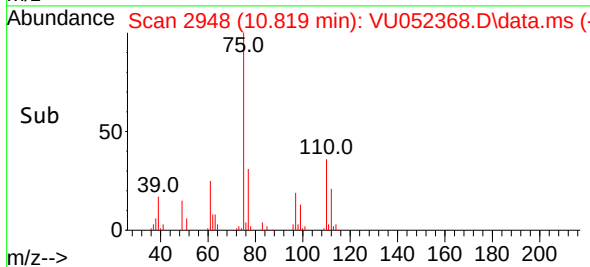
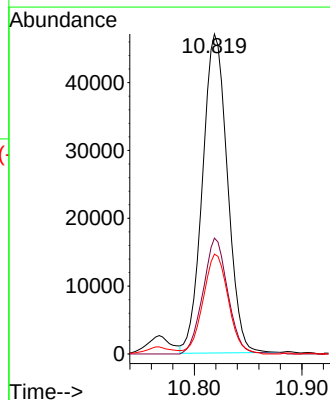
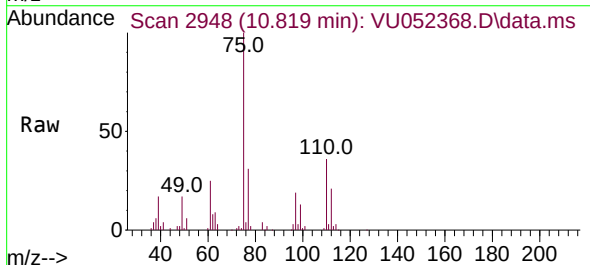
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

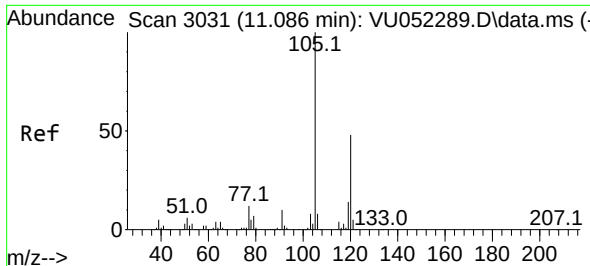
Tgt Ion:105 Resp: 449961
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.6
77 15.5 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 4.557 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion: 75 Resp: 75781
Ion Ratio Lower Upper
75 100
110 36.1 28.3 42.5
77 31.7 26.2 39.2

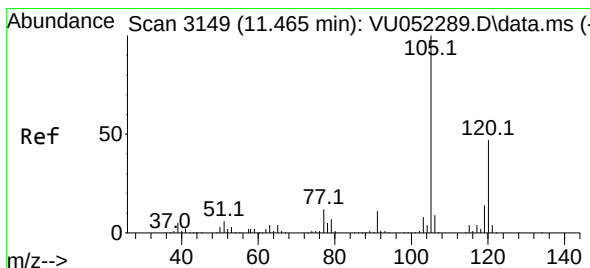
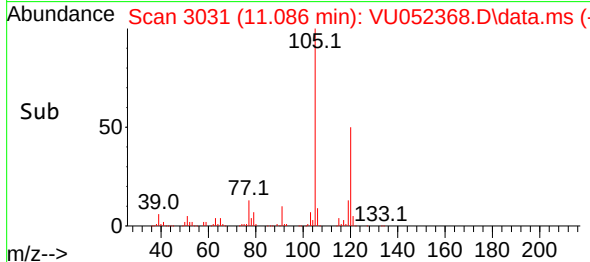
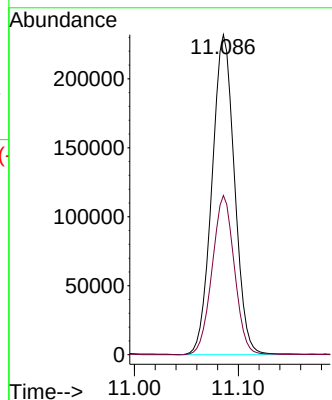
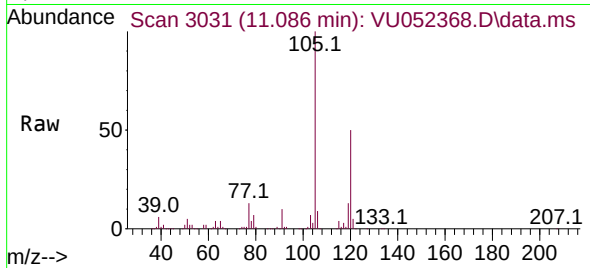




#62
 1,3,5-Trimethylbenzene
 Concen: 4.792 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. -0.000 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

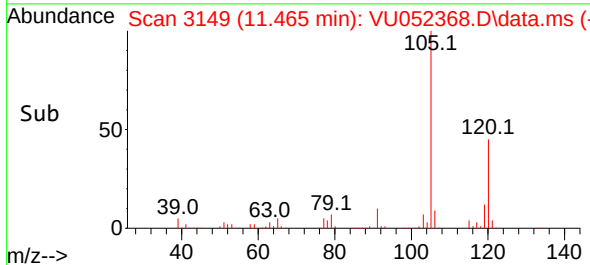
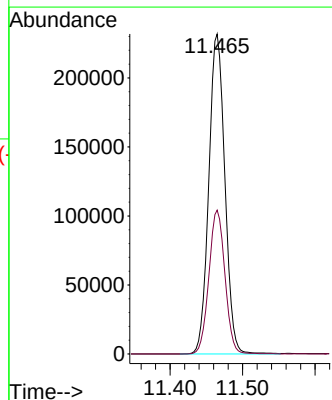
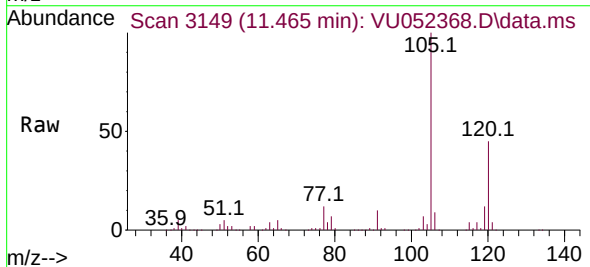
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005105

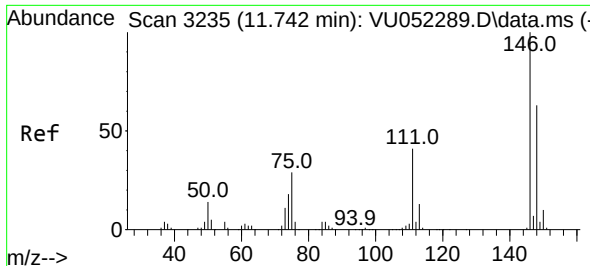
Tgt Ion:105 Resp: 349667
 Ion Ratio Lower Upper
 105 100
 120 49.1 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 4.923 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. -0.000 min
 Lab File: VU052368.D
 Acq: 13 Dec 2022 11:12

Tgt Ion:105 Resp: 356596
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.6 55.0

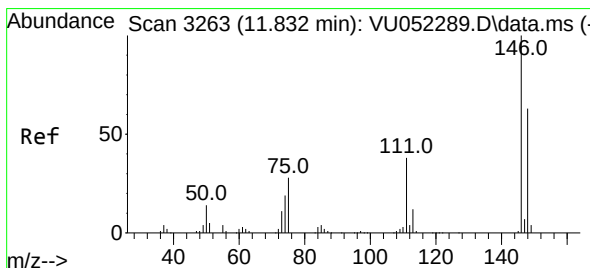
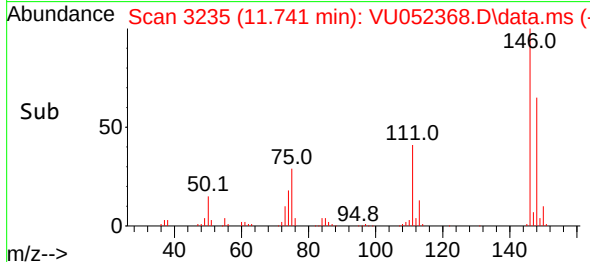
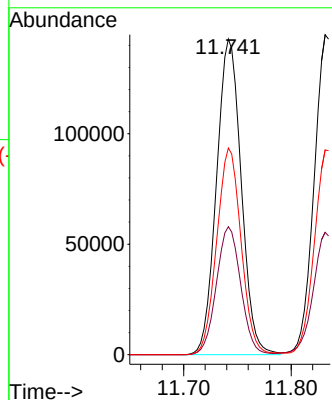
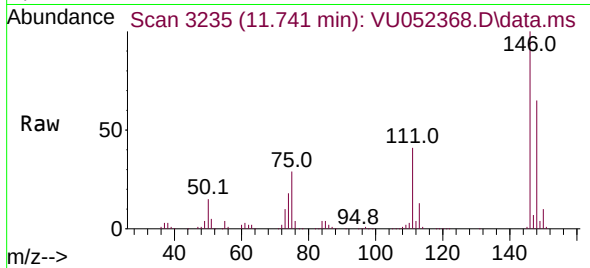




#64
1,3-Dichlorobenzene
Concen: 4.891 ug/L
RT: 11.741 min Scan# 311
Delta R.T. -0.001 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

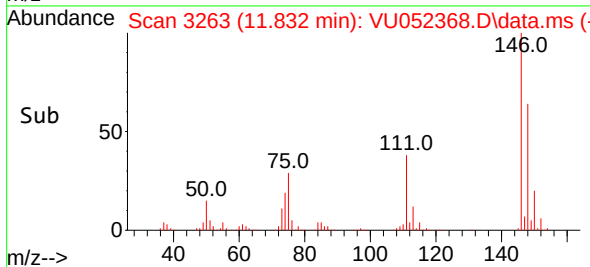
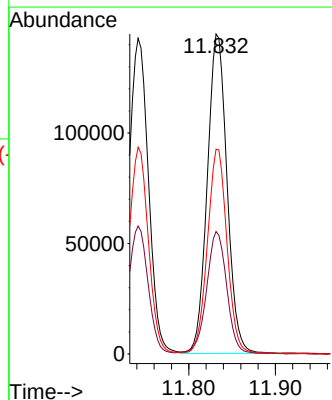
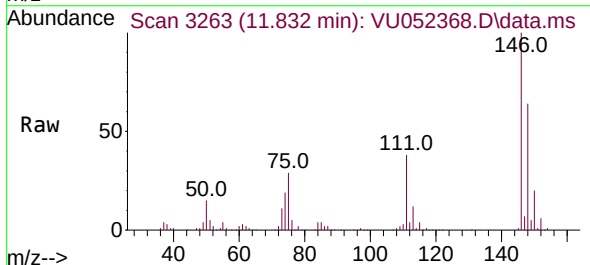
Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

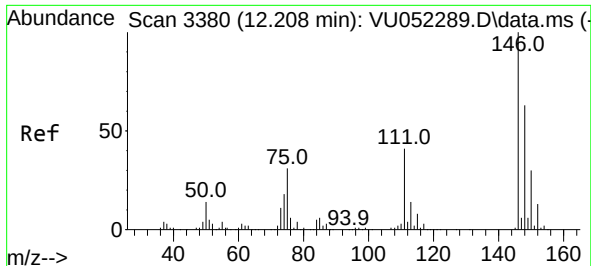
Tgt Ion:146 Resp: 227943
Ion Ratio Lower Upper
146 100
111 40.5 28.6 53.2
148 65.5 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 4.922 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion:146 Resp: 228806
Ion Ratio Lower Upper
146 100
111 38.2 26.9 50.1
148 64.0 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 4.771 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

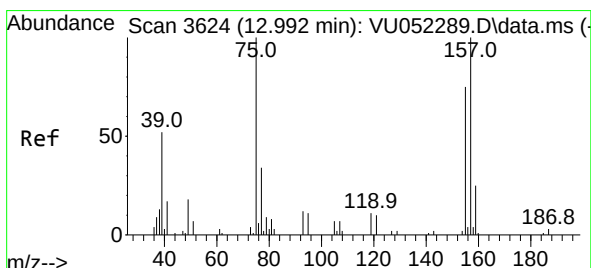
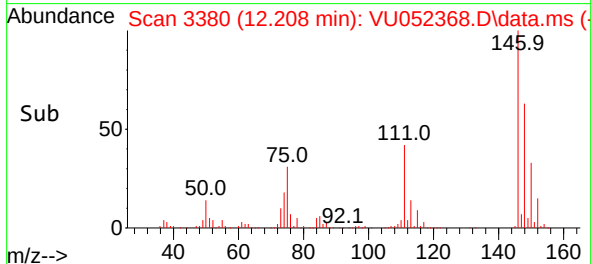
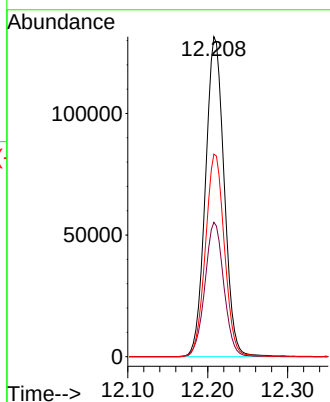
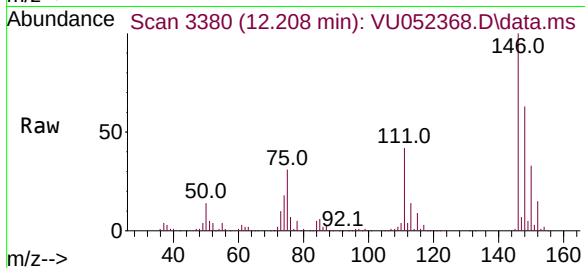
Tgt Ion:146 Resp: 214145

Ion Ratio Lower Upper

146 100

111 42.0 32.7 49.1

148 63.3 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.540 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. -0.004 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

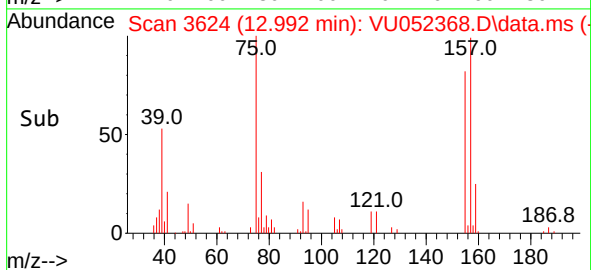
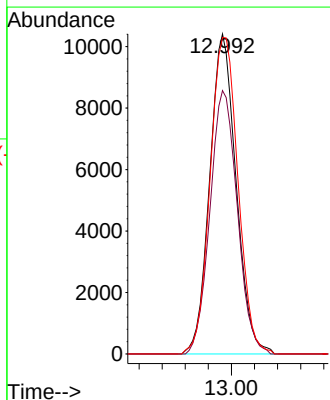
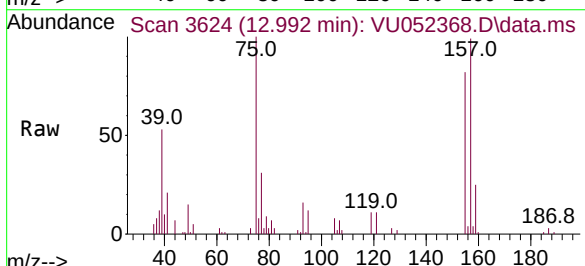
Tgt Ion: 75 Resp: 16523

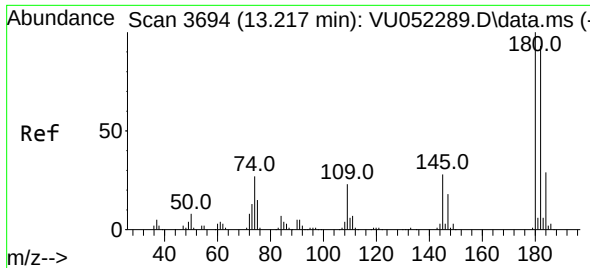
Ion Ratio Lower Upper

75 100

155 82.3 65.4 98.2

157 98.9 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 5.021 ug/L

RT: 13.214 min Scan# 3694

Delta R.T. -0.003 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD005105

Tgt Ion:180 Resp: 165944

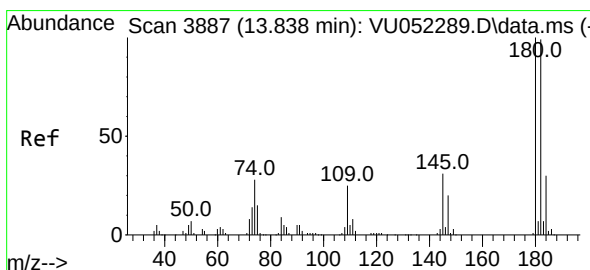
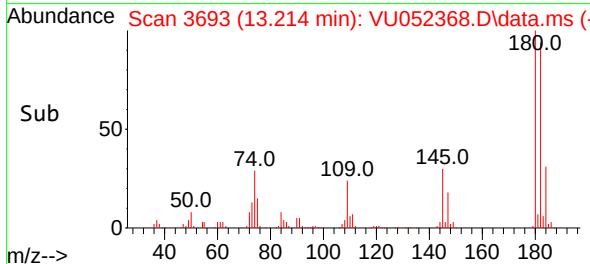
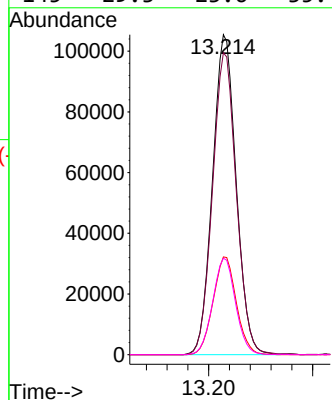
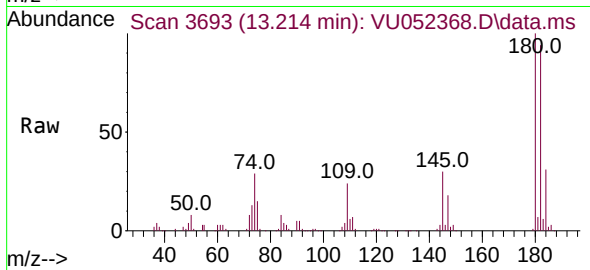
Ion Ratio Lower Upper

180 100

182 95.4 75.7 113.5

184 30.2 24.3 36.5

145 29.3 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 5.502 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.000 min

Lab File: VU052368.D

Acq: 13 Dec 2022 11:12

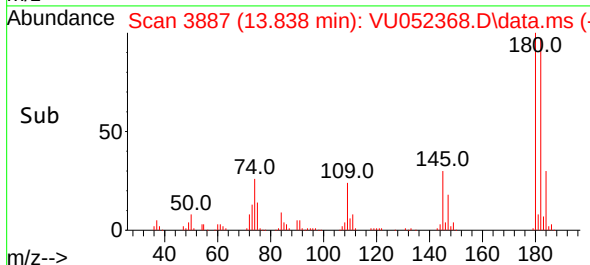
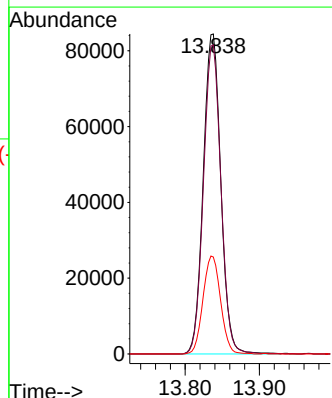
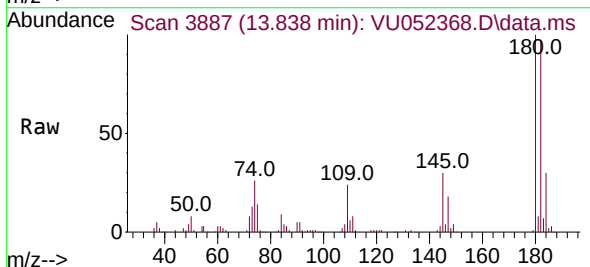
Tgt Ion:180 Resp: 138456

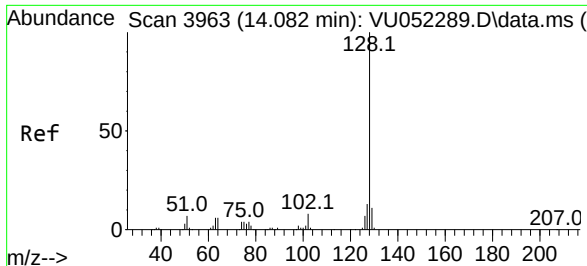
Ion Ratio Lower Upper

180 100

182 96.2 76.3 114.5

145 30.6 24.6 36.8

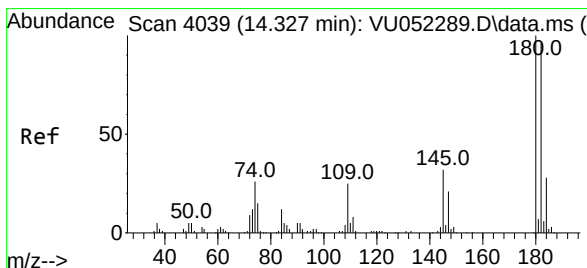
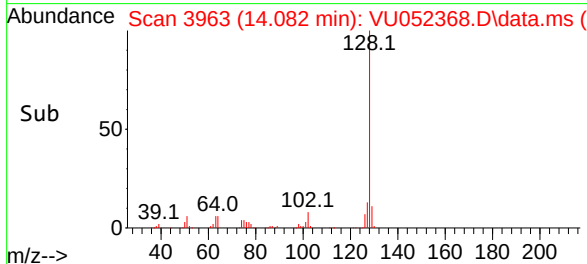
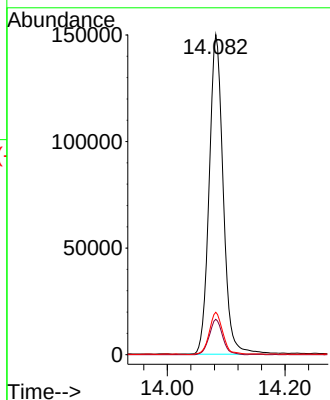
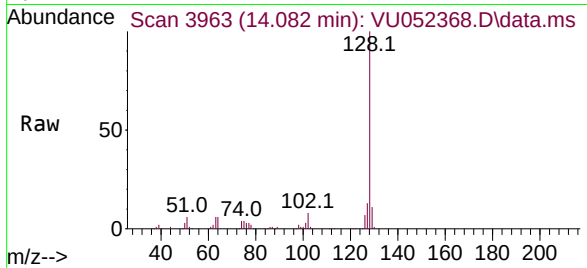




#71
Naphthalene
Concen: 5.260 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.004 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD005105

Tgt Ion:128 Resp: 248534
Ion Ratio Lower Upper
128 100
129 10.5 8.3 12.5
127 12.7 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.445 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU052368.D
Acq: 13 Dec 2022 11:12

Tgt Ion:180 Resp: 134826
Ion Ratio Lower Upper
180 100
182 93.7 75.7 113.5
145 31.2 24.5 36.7

