

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052209.D
 Acq On : 07 Dec 2022 20:17
 Operator : JC/MD
 Sample : N5916-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F5N23

Quant Time: Dec 08 02:03:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	204302	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	207357	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	78761	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	83219	4.188	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.800%
7) Chloroethane-d5	1.916	69	75912	4.918	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.568	65	31558	4.430	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	4.632	46	211945	58.838	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.680%
24) Chloroform-d	5.060	84	152722	5.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
26) 1,2-Dichloroethane-d4	5.700	65	77567	5.259	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
32) Benzene-d6	5.726	84	297160	4.827	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.687	67	101768	5.342	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.800%
41) Toluene-d8	7.896	98	226225	4.062	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
43) trans-1,3-Dichloroprop...	8.179	79	31559	4.546	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.632	63	152002	51.663	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.320%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	88006	5.328	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	82938	5.500	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.000%
Target Compounds						Qvalue
3) Chloromethane	1.523	50	4142	0.179	ug/L	97
5) Vinyl chloride	1.604	62	20095	0.904	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	64839	4.339	ug/L	99
12) 1,1-Dichloroethene	2.584	96	8215	0.554	ug/L #	1
17) Methyl tert-butyl Ether	3.366	73	8467	0.255	ug/L	99
18) trans-1,2-Dichloroethene	3.356	96	7719	0.486	ug/L	90
19) 1,1-Dichloroethane	3.867	63	17944	0.627	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	243418	14.599	ug/L	98
27) 1,2-Dichloroethane	5.793	62	18022	1.014	ug/L	97
33) Benzene	5.777	78	8959	0.133	ug/L	100
34) Trichloroethene	6.539	95	241299	14.336	ug/L	96
35) Methylcyclohexane	6.687	83	22602	0.933	ug/L #	19
37) 1,2-Dichloropropane	6.787	63	6853	0.392	ug/L #	94
47) Tetrachloroethene	8.552	164	10501	0.814	ug/L	97
49) Dibromochloromethane	8.549	129	10408	0.708	ug/L #	12
51) Chlorobenzene	9.443	112	56173	1.269	ug/L	98
61) 1,2,3-Trichloropropane	11.742	75	2240	0.248	ug/L #	47
64) 1,3-Dichlorobenzene	11.745	146	8313	0.329	ug/L	95
65) 1,4-Dichlorobenzene	11.835	146	14720	0.584	ug/L	99

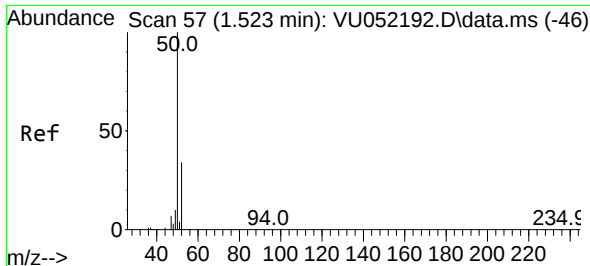
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Data File : VU052209.D
Acq On : 07 Dec 2022 20:17
Operator : JC/MD
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Misc : 25.0mL/MSVOA_U/WATER
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 08 01:59:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	21920	0.901	ug/L	98

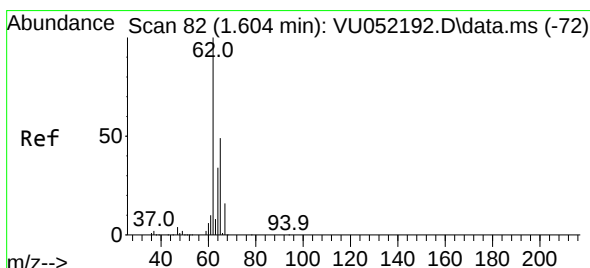
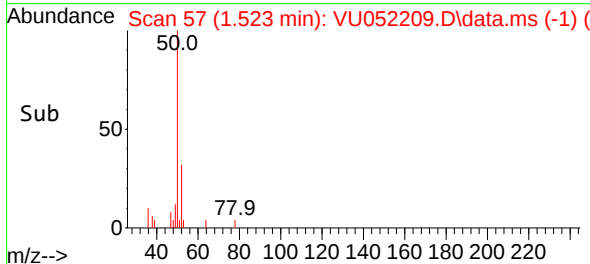
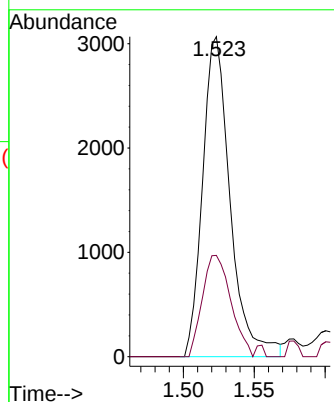
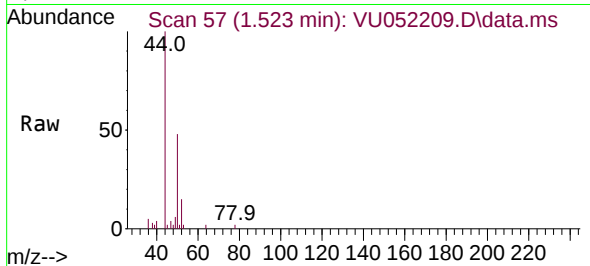
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#3
Chloromethane
Concen: 0.179 ug/L
RT: 1.523 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

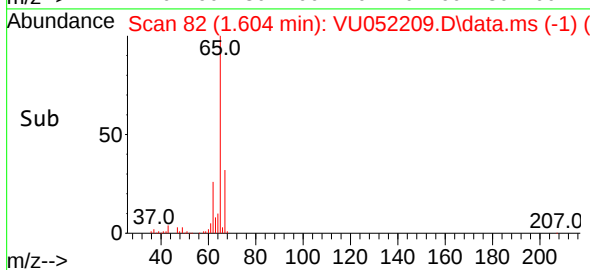
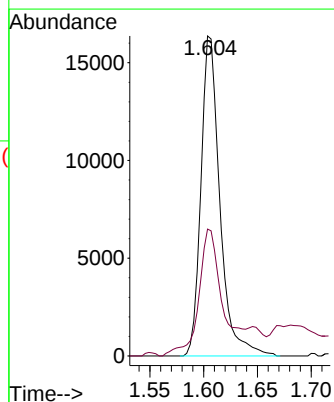
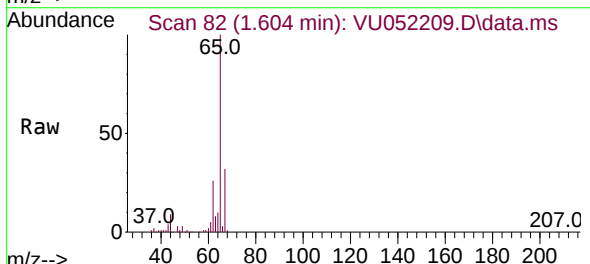
Instrument :
MSVOA_U
ClientSampleId :
F5N23

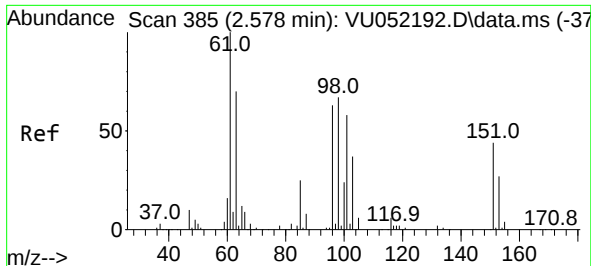
Tgt Ion: 50 Resp: 4142
Ion Ratio Lower Upper
50 100
52 31.7 23.4 43.4



#5
Vinyl chloride
Concen: 0.904 ug/L
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Tgt Ion: 62 Resp: 20095
Ion Ratio Lower Upper
62 100
64 39.7 23.5 43.7

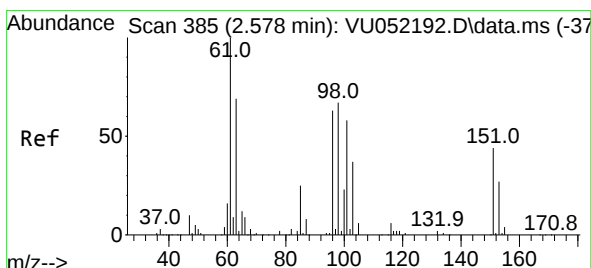
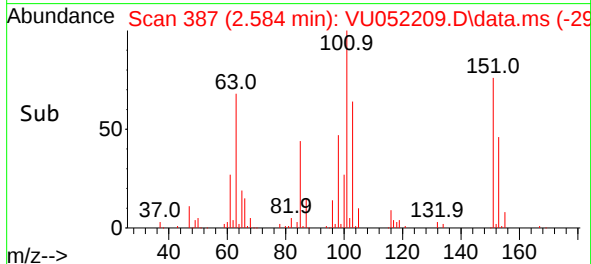
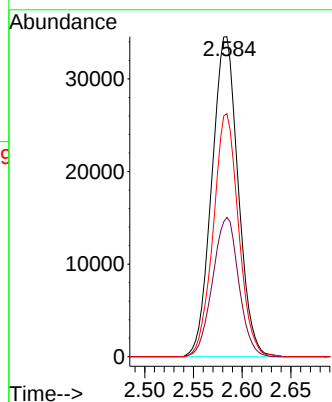
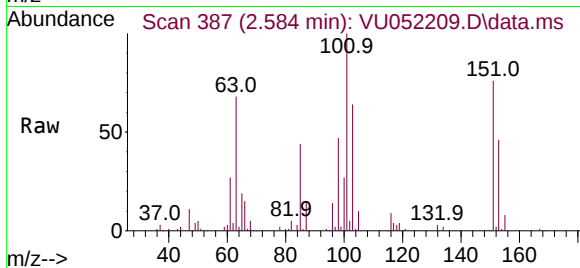




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.339 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.006 min
 Lab File: VU052209.D
 Acq: 07 Dec 2022 20:17

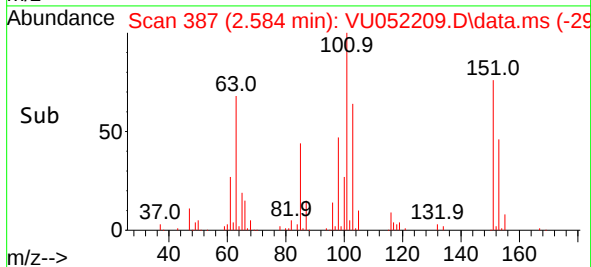
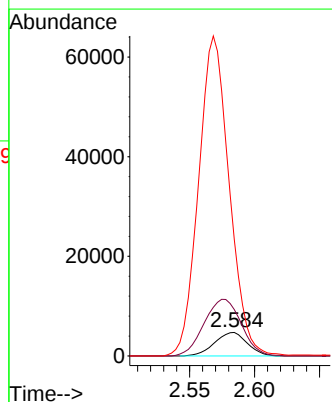
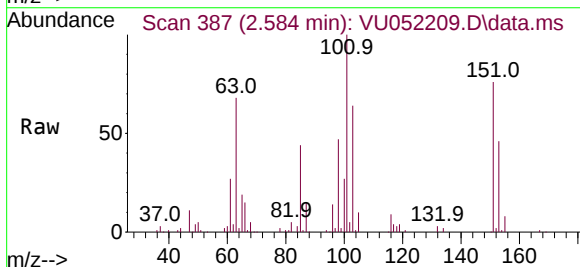
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 F5N23

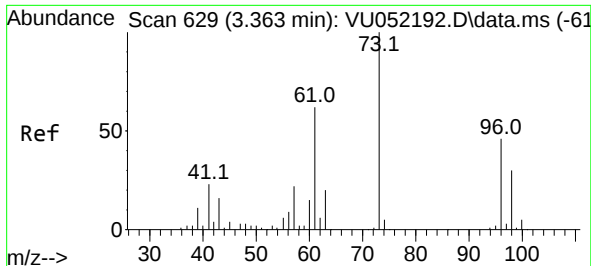
Tgt Ion:101 Resp: 64839
 Ion Ratio Lower Upper
 101 100
 85 43.2 33.8 50.6
 151 73.1 58.6 88.0



#12
 1,1-Dichloroethene
 Concen: 0.554 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. 0.006 min
 Lab File: VU052209.D
 Acq: 07 Dec 2022 20:17

Tgt Ion: 96 Resp: 8215
 Ion Ratio Lower Upper
 96 100
 61 197.5 114.8 213.2
 63 495.5 93.7 174.1#

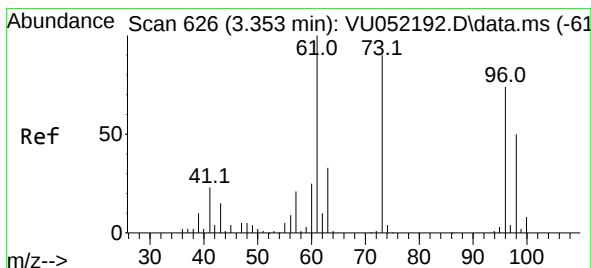
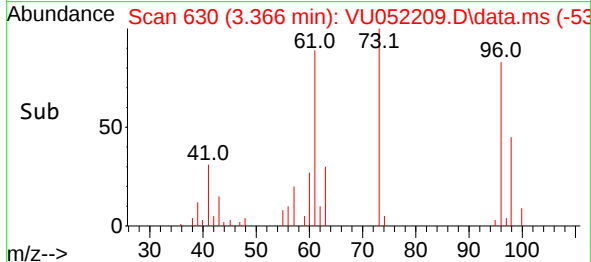
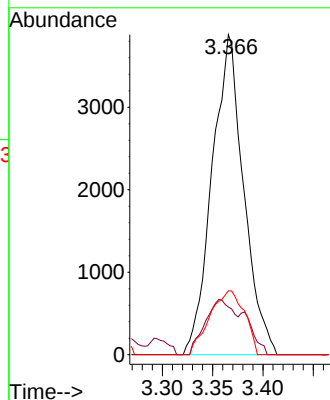
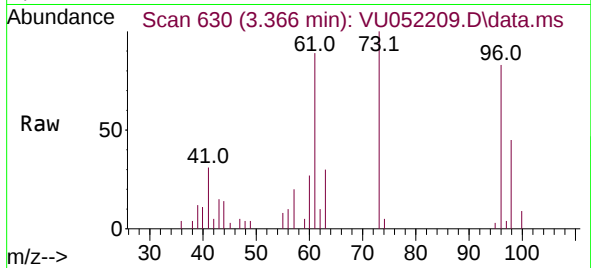




#17
Methyl tert-butyl Ether
Concen: 0.255 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

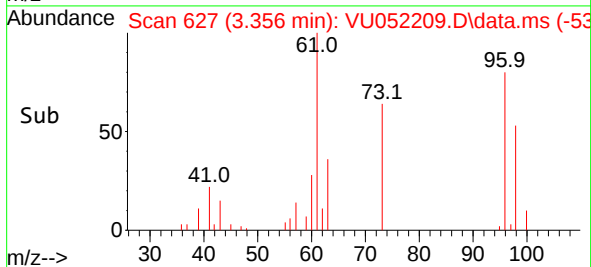
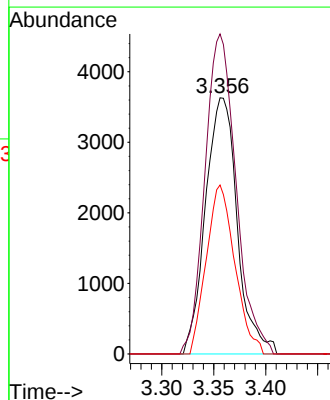
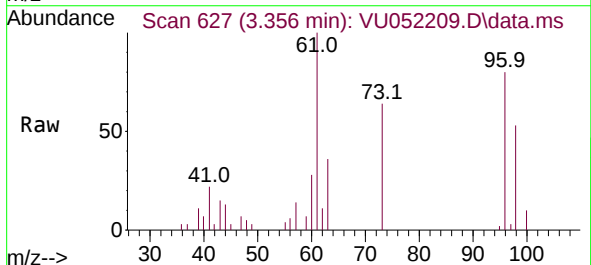
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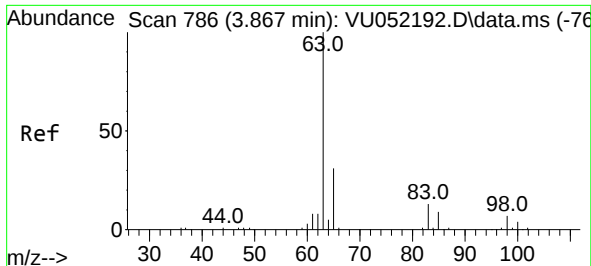
Tgt Ion: 73	Resp: 8467
Ion Ratio	Lower Upper
73 100	
43 15.9	13.2 19.8
57 22.1	17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 0.486 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Tgt Ion: 96	Resp: 7719
Ion Ratio	Lower Upper
96 100	
61 124.9	97.9 181.7
98 65.9	43.8 81.3

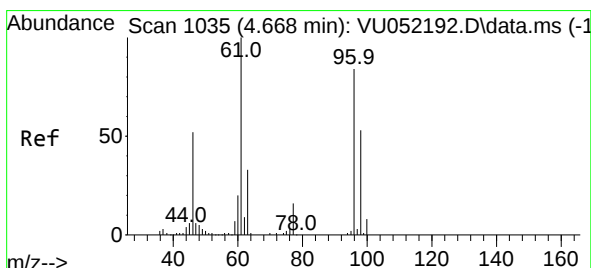
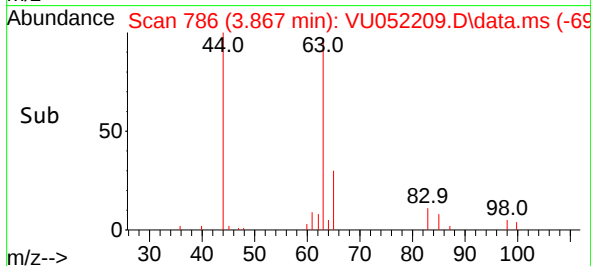
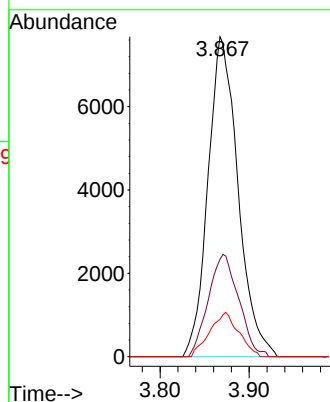
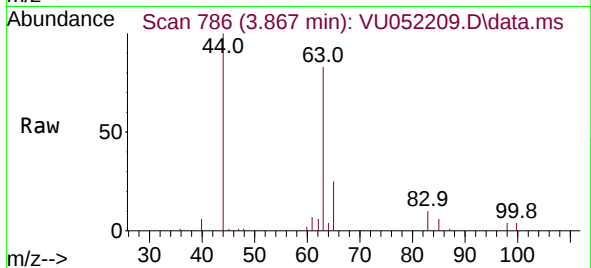




#19
1,1-Dichloroethane
Concen: 0.627 ug/L
RT: 3.867 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

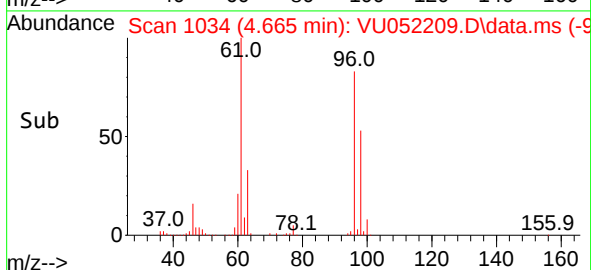
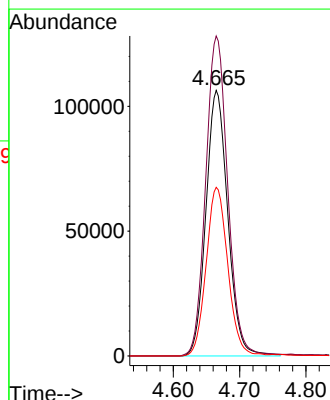
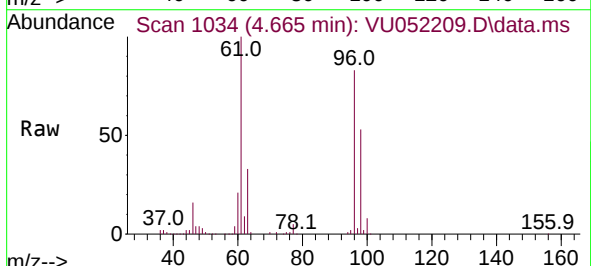
Instrument :
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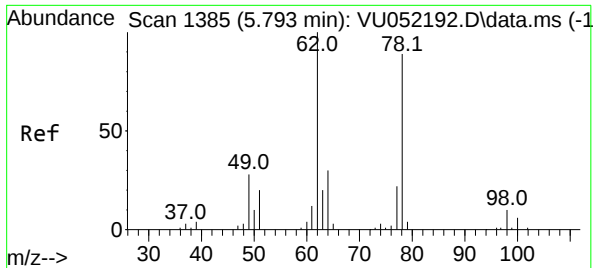
Tgt Ion:	63	Resp:	17944
Ion	Ratio	Lower	Upper
63	100		
65	30.5	22.2	41.2
83	11.7	9.2	17.0



#22
cis-1,2-Dichloroethene
Concen: 14.599 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Tgt Ion:	96	Resp:	243418
Ion	Ratio	Lower	Upper
96	100		
61	120.5	85.1	158.1
98	63.5	42.8	79.6

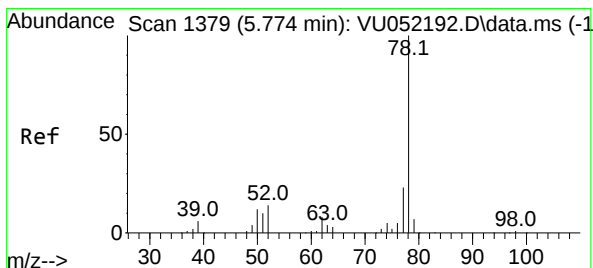
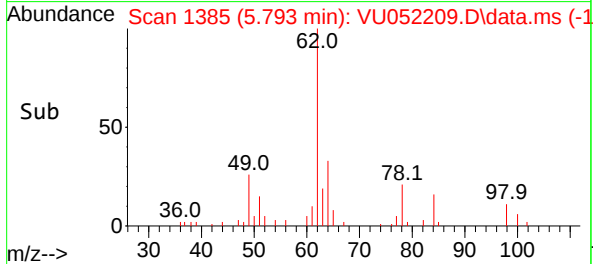
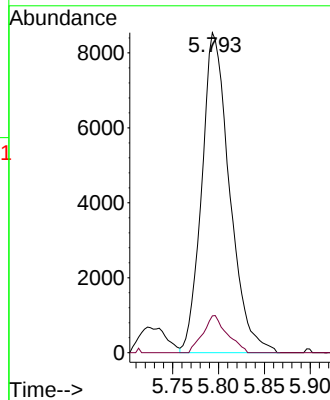
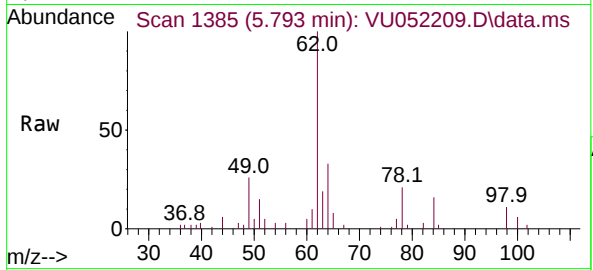




#27
1,2-Dichloroethane
Concen: 1.014 ug/L
RT: 5.793 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

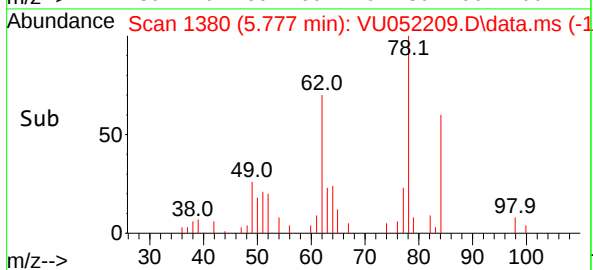
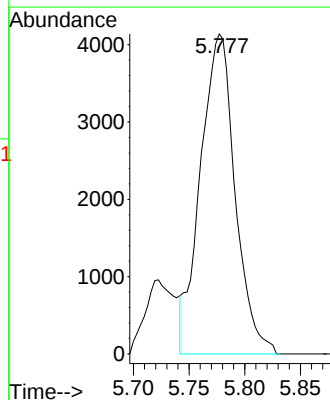
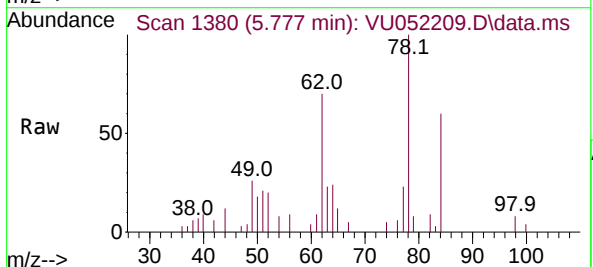
Instrument :
MSVOA_U
ClientSampleId :
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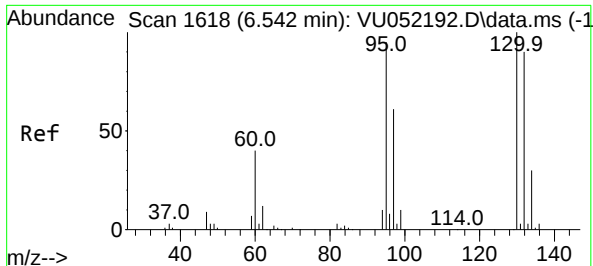
Tgt Ion: 62 Resp: 18022
Ion Ratio Lower Upper
62 100
98 11.5 8.4 12.6



#33
Benzene
Concen: 0.133 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Tgt Ion: 78 Resp: 8959



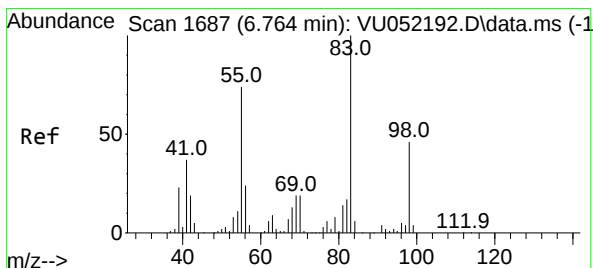
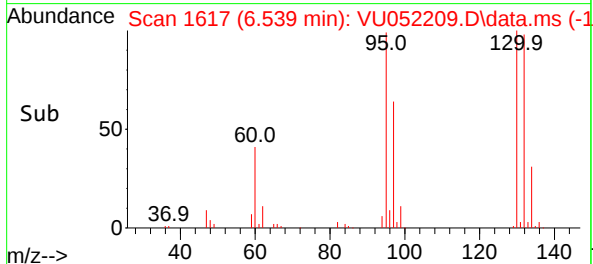
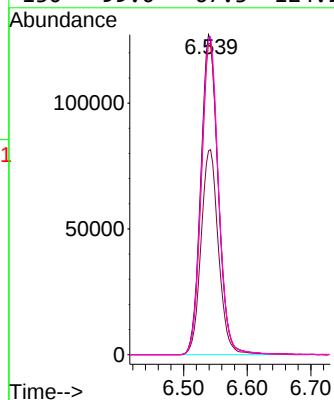
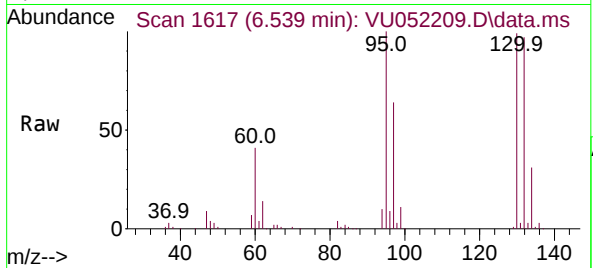


#34
Trichloroethene
Concen: 14.336 ug/L
RT: 6.539 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Instrument :
MSVOA_U
ClientSampleId :
F5N23

Tgt Ion: 95 Resp: 241299

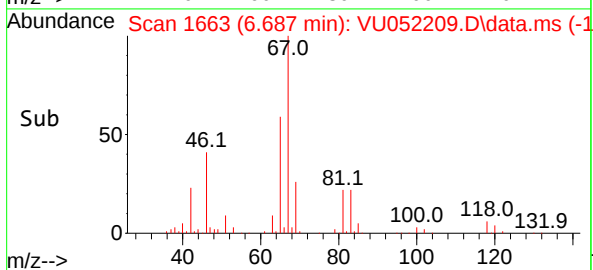
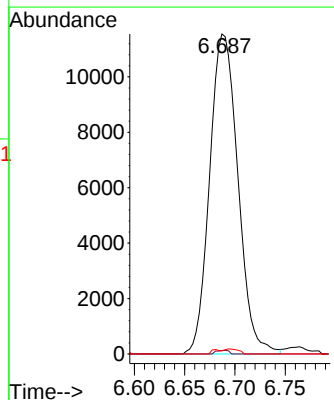
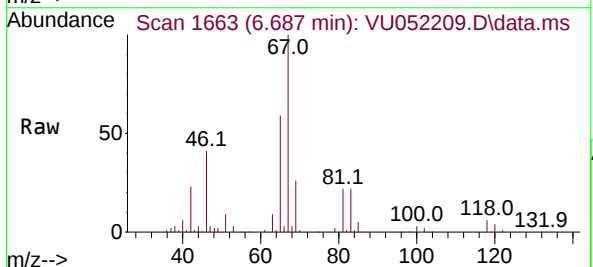
Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.7	81.1
132	97.3	64.3	119.3
130	99.0	67.3	124.9

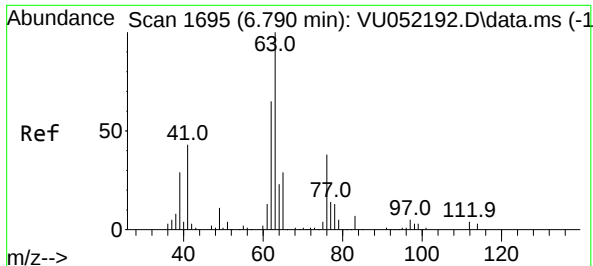


#35
Methylcyclohexane
Concen: 0.933 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.077 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Tgt Ion: 83 Resp: 22602

Ion	Ratio	Lower	Upper
83	100		
55	0.5	60.8	91.2#
98	0.0	35.1	52.7#

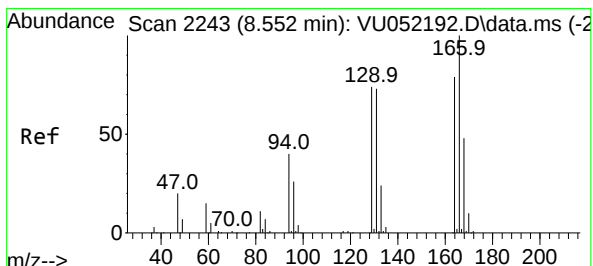
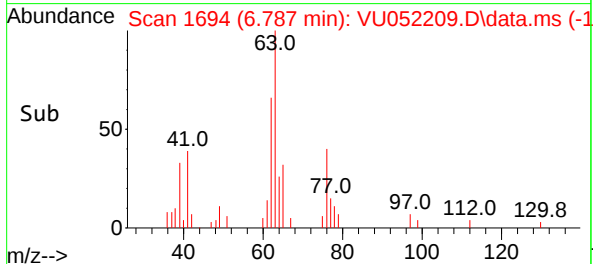
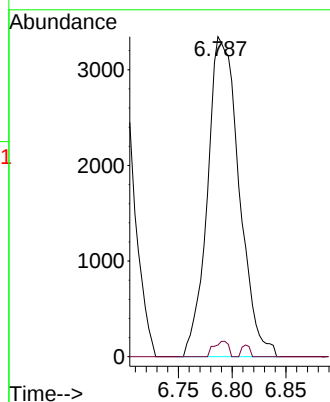
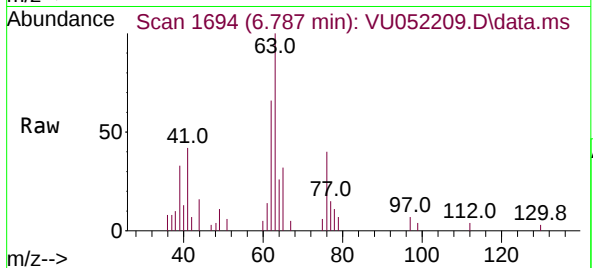




#37
1,2-Dichloropropane
Concen: 0.392 ug/L
RT: 6.787 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

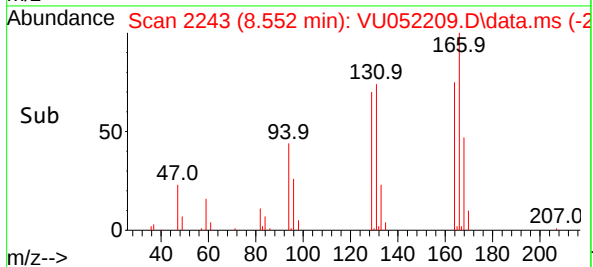
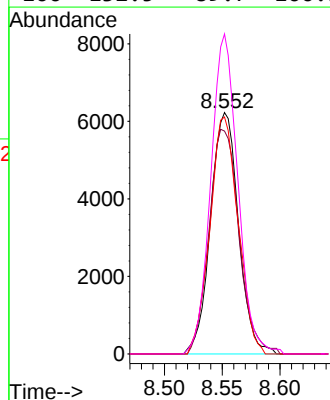
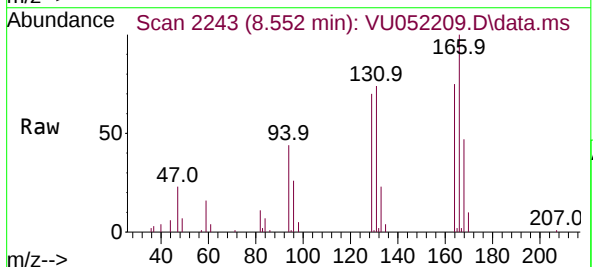
Instrument :
MSVOA_U
ClientSampleId :
F5N23

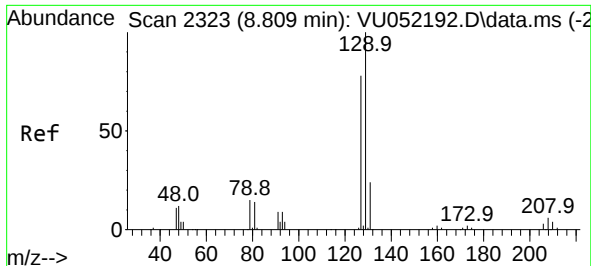
Tgt Ion: 63 Resp: 6853
Ion Ratio Lower Upper
63 100
112 2.2 3.3 4.9#



#47
Tetrachloroethene
Concen: 0.814 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Tgt Ion: 164 Resp: 10501
Ion Ratio Lower Upper
164 100
129 92.3 67.4 125.2
131 98.1 67.1 124.7
166 132.5 89.7 166.5





#49

Dibromochloromethane

Concen: 0.708 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.261 min

Lab File: VU052209.D

Acq: 07 Dec 2022 20:17

Instrument :

MSVOA_U

ClientSampleId :

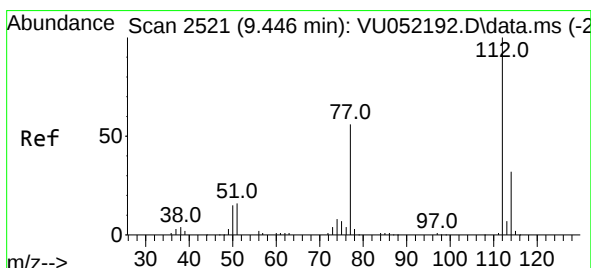
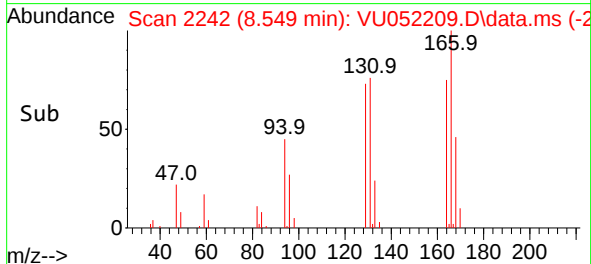
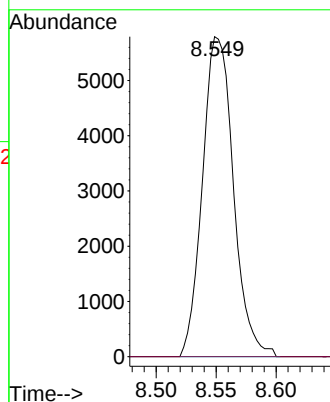
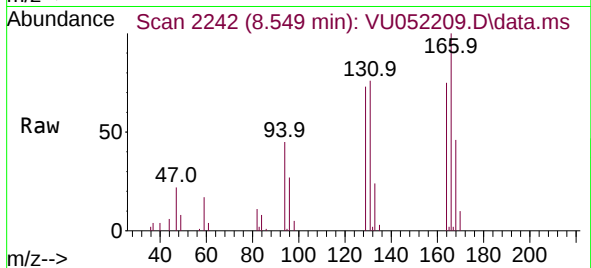
F5N23

Tgt Ion:129 Resp: 10408

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#



#51

Chlorobenzene

Concen: 1.269 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.003 min

Lab File: VU052209.D

Acq: 07 Dec 2022 20:17

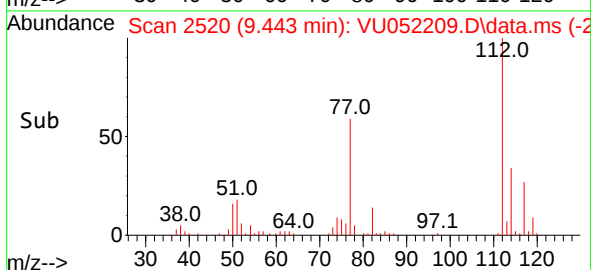
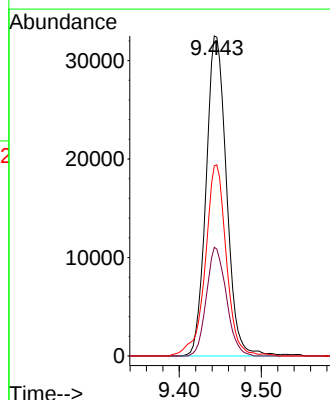
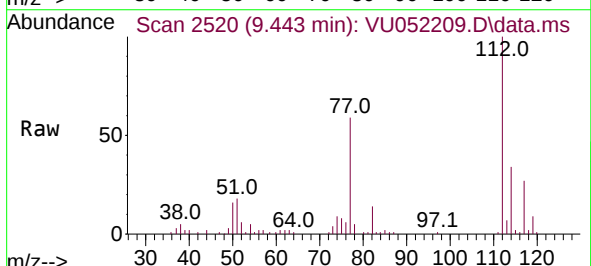
Tgt Ion:112 Resp: 56173

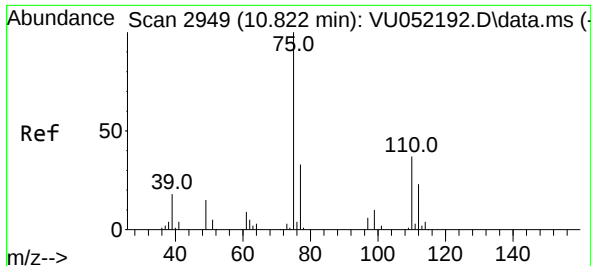
Ion Ratio Lower Upper

112 100

114 34.0 22.2 41.2

77 59.4 46.6 70.0

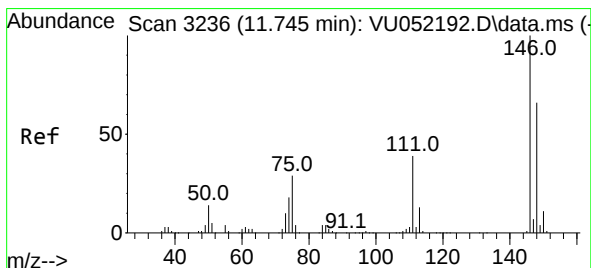
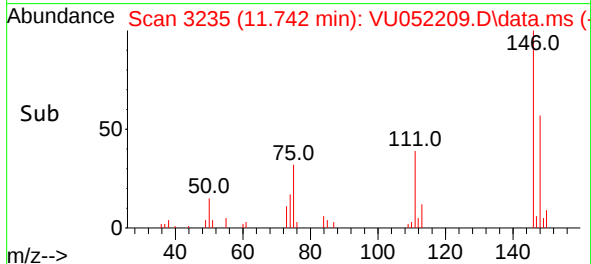
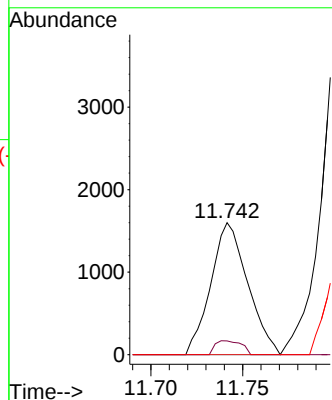
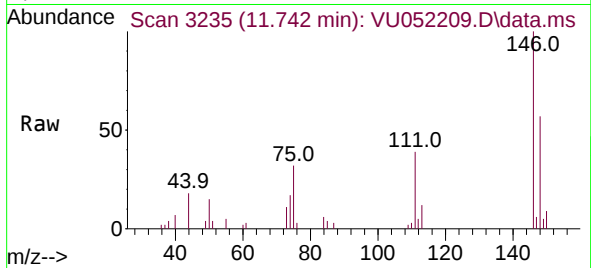




#61
1,2,3-Trichloropropane
Concen: 0.248 ug/L
RT: 11.742 min Scan# 311
Delta R.T. 0.919 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

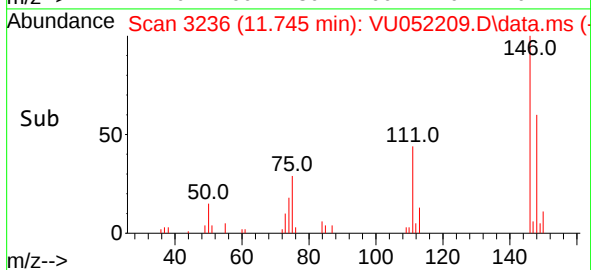
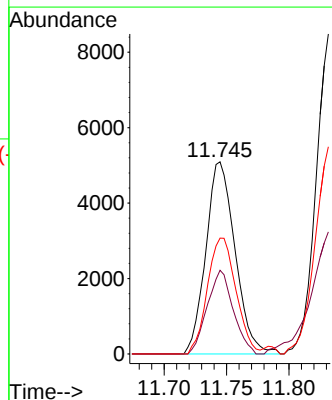
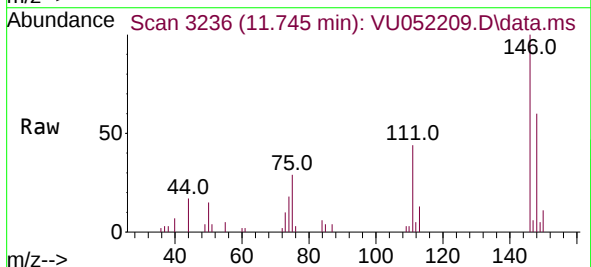
Instrument :
MSVOA_U
ClientSampleId :
F5N23

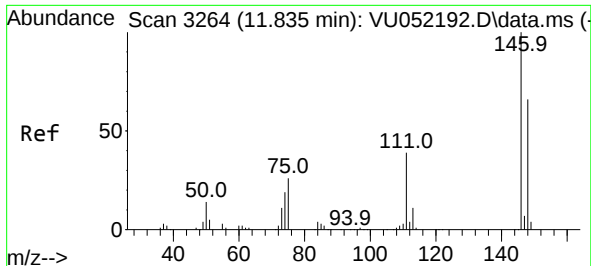
Tgt Ion: 75 Resp: 2240
Ion Ratio Lower Upper
75 100
110 7.5 28.3 42.5#
77 0.0 26.2 39.2#



#64
1,3-Dichlorobenzene
Concen: 0.329 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Tgt Ion: 146 Resp: 8313
Ion Ratio Lower Upper
146 100
111 43.5 28.6 53.2
148 60.3 45.4 84.2

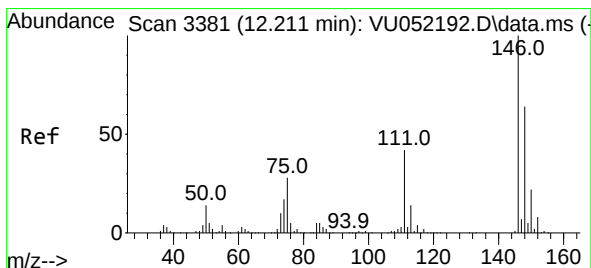
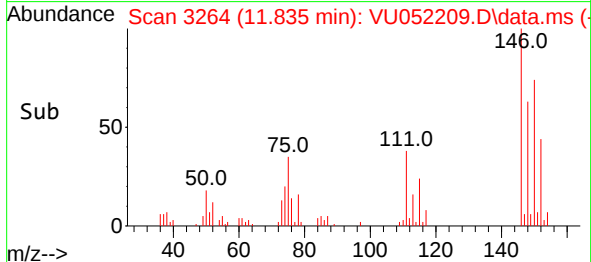
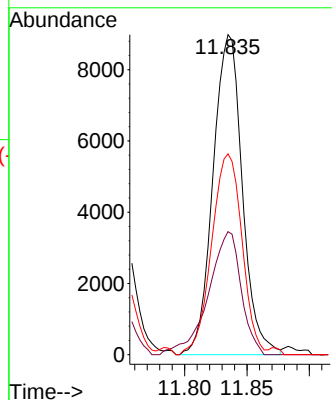
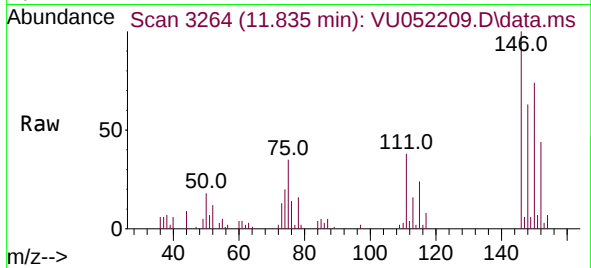




#65
1,4-Dichlorobenzene
Concen: 0.584 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Instrument :
MSVOA_U
ClientSampleId :
F5N23

Tgt Ion:146 Resp: 14720
Ion Ratio Lower Upper
146 100
111 38.5 26.9 50.1
148 62.7 45.1 83.7



#67
1,2-Dichlorobenzene
Concen: 0.901 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU052209.D
Acq: 07 Dec 2022 20:17

Tgt Ion:146 Resp: 21920
Ion Ratio Lower Upper
146 100
111 40.1 32.7 49.1
148 60.9 50.6 75.8

