

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022624\
 Data File : VW034431.D
 Acq On : 27 Feb 2024 00:43
 Operator : SY/MD
 Sample : P1535-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC6

Quant Time: Feb 27 05:11:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 27 05:05:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	141508	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	133351	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	69773	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	37151	4.523	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.400%
7) Chloroethane-d5	1.532	69	33795	4.658	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.059	65	17321	4.530	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	3.802	46	110776	51.579	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.160%
24) Chloroform-d	4.252	84	78276	4.746	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	4.947	65	43819	5.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	4.963	84	144048	4.802	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	5.992	67	45049	5.029	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.600%
41) Toluene-d8	7.246	98	126655	4.708	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	7.561	79	14240	4.267	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.024	63	104127	55.187	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.380%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	37681	5.315	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	52866	4.987	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	20494	1.955	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	23332	2.535	ug/L	99
12) 1,1-Dichloroethene	2.069	96	23664	2.670	ug/L	86
16) Methylene chloride	2.449	84	33997	3.359	ug/L	97
18) trans-1,2-Dichloroethene	2.693	96	88079	9.773	ug/L	97
19) 1,1-Dichloroethane	3.117	63	21671	1.249	ug/L	96
22) cis-1,2-Dichloroethene	3.815	96	97642	9.853	ug/L	95
25) Chloroform	4.281	83	5892	0.327	ug/L	96
29) 1,1,1-Trichloroethane	4.522	97	3018	0.181	ug/L	95
34) Trichloroethene	5.831	95	795456	82.536	ug/L	99
42) Toluene	7.329	91	7327	0.189	ug/L	100
47) Tetrachloroethene	7.905	164	65604	8.677	ug/L	95
52) Ethylbenzene	8.953	91	14910	0.341	ug/L	91
53) m,p-Xylene	9.075	106	22995	1.417	ug/L	92
54) o-Xylene	9.480	106	26168	1.615	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	6723	0.184	ug/L	95
63) 1,2,4-Trimethylbenzene	10.853	105	19764	0.541	ug/L	97
67) 1,2-Dichlorobenzene	11.583	146	4910	0.258	ug/L	91

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Quant Time: Feb 27 05:11:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 27 05:05:59 2024
Response via : Initial Calibration

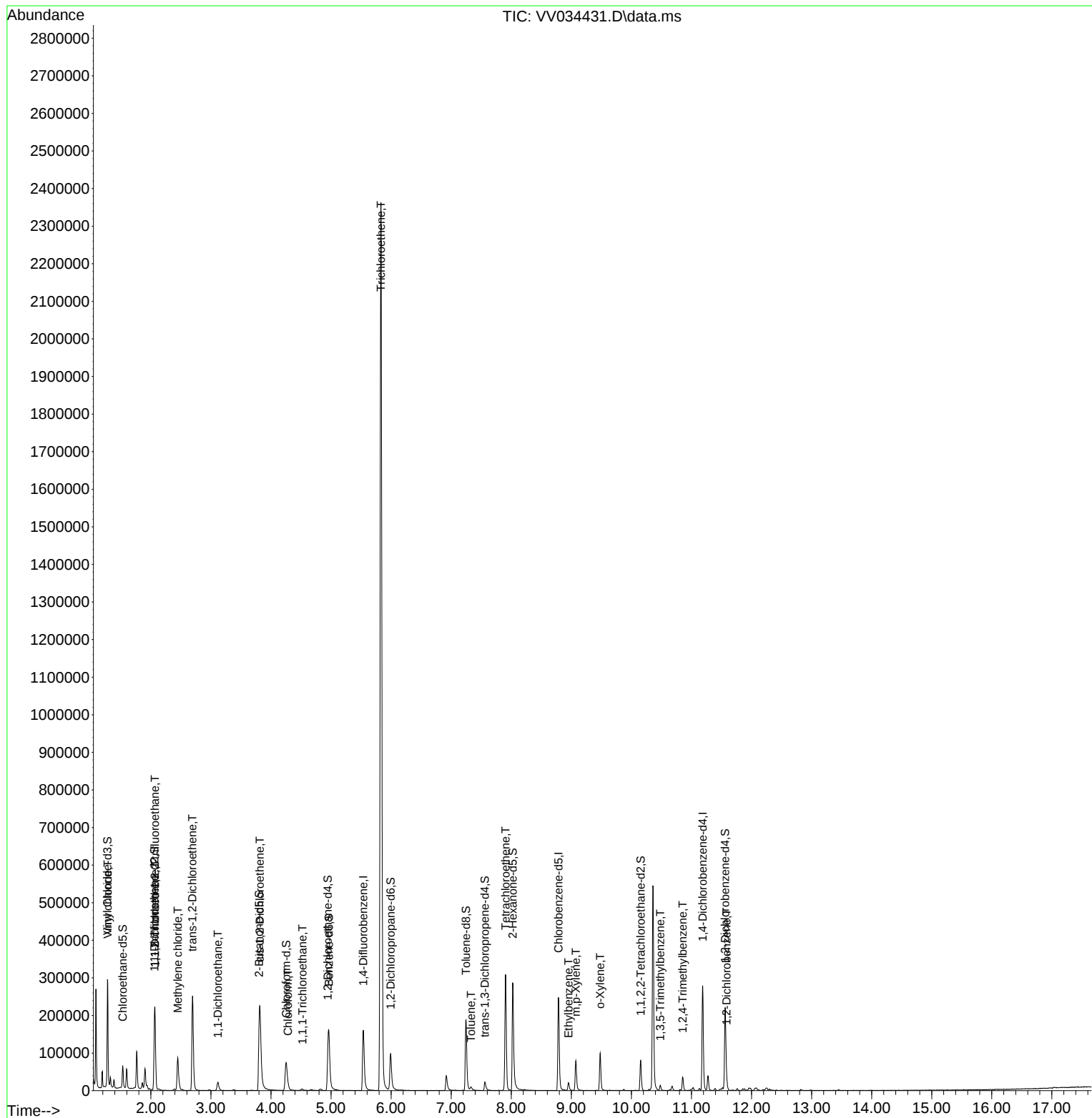
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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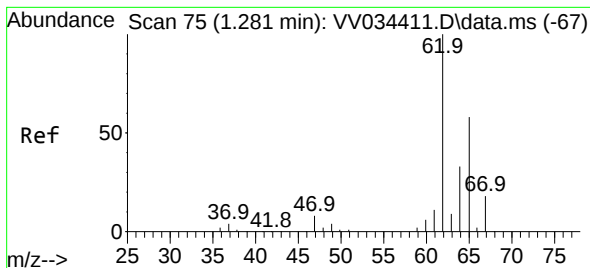
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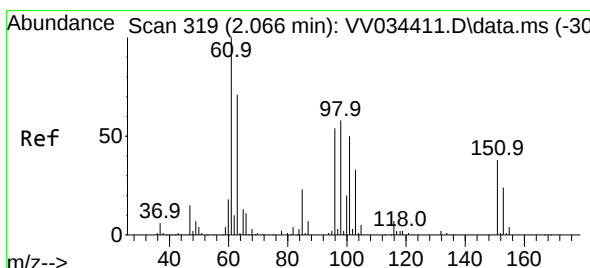
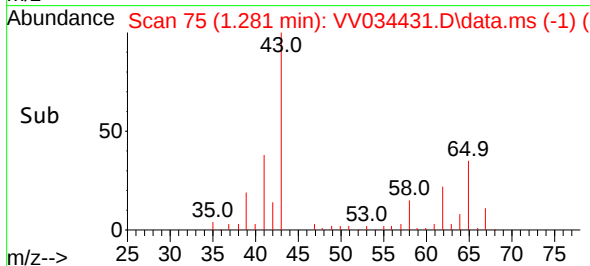
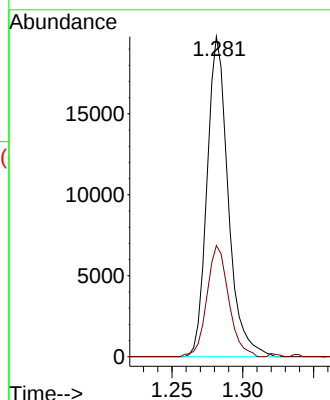
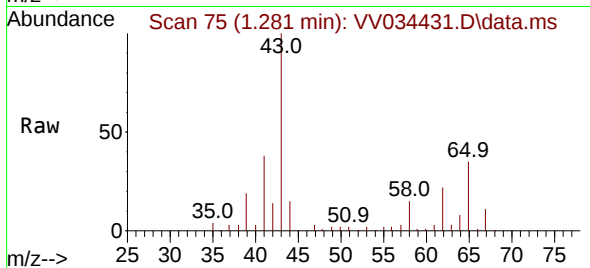




#5
 Vinyl chloride
 Concen: 1.955 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV034431.D
 Acq: 27 Feb 2024 00:43

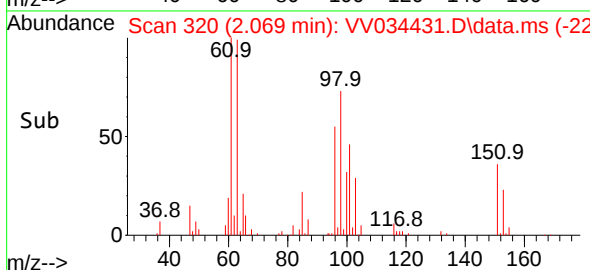
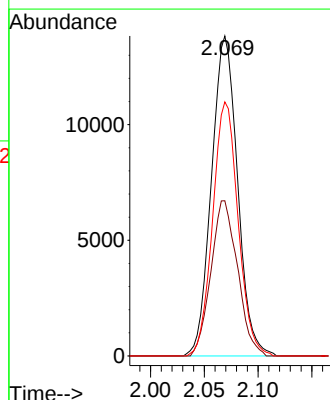
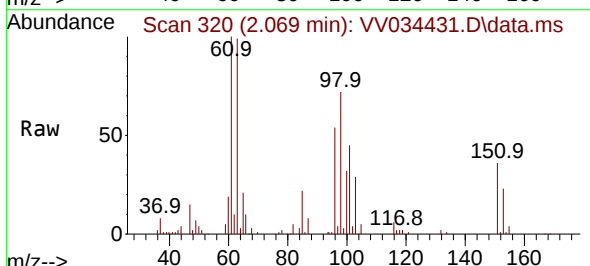
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AC6

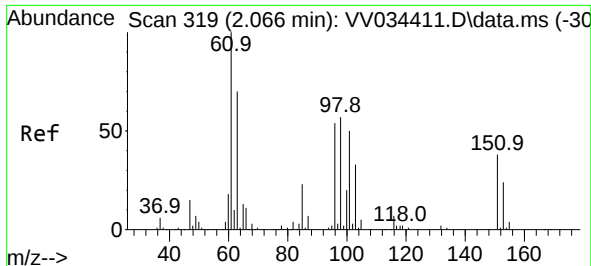
Tgt Ion: 62 Resp: 20494
 Ion Ratio Lower Upper
 62 100
 64 34.7 23.4 43.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.535 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.003 min
 Lab File: VV034431.D
 Acq: 27 Feb 2024 00:43

Tgt Ion: 101 Resp: 23332
 Ion Ratio Lower Upper
 101 100
 85 49.5 37.9 56.9
 151 77.5 61.8 92.6





#12

1,1-Dichloroethene

Concen: 2.670 ug/L

RT: 2.069 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

Instrument :

MSVOA_V

ClientSampleId :

C0AC6

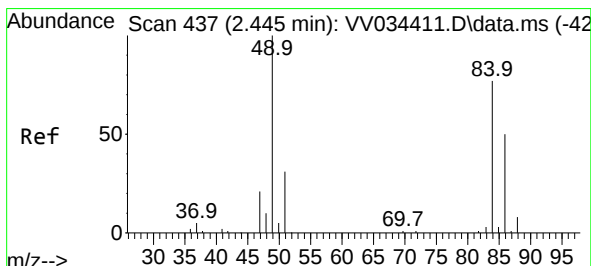
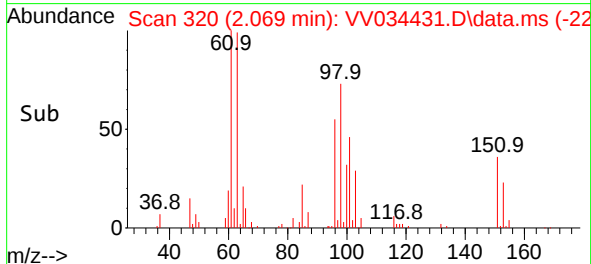
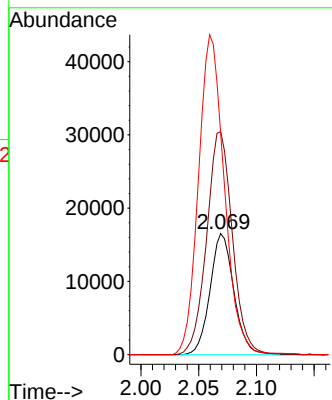
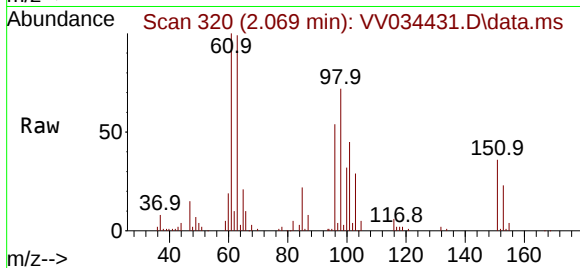
Tgt Ion: 96 Resp: 23664

Ion Ratio Lower Upper

96 100

61 184.3 131.3 243.8

63 182.7 102.8 191.0



#16

Methylene chloride

Concen: 3.359 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.003 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

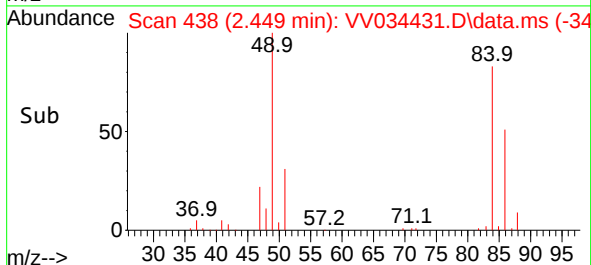
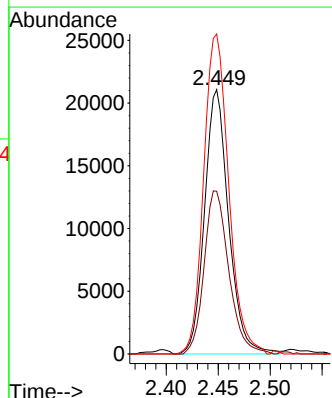
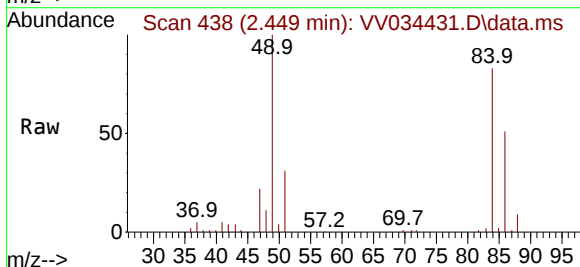
Tgt Ion: 84 Resp: 33997

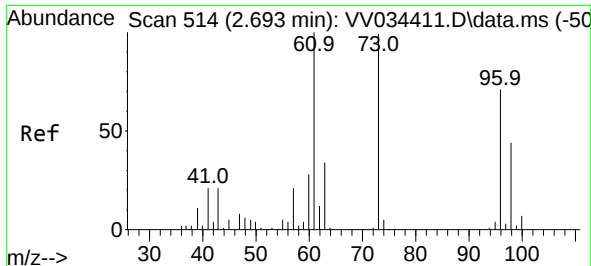
Ion Ratio Lower Upper

84 100

86 61.6 43.8 81.4

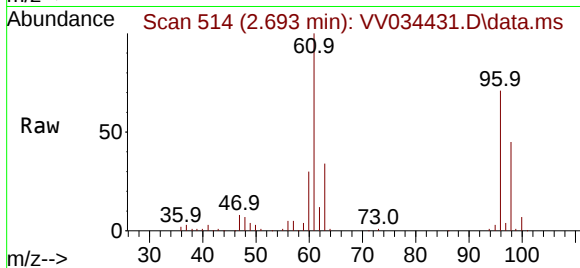
49 121.1 87.6 162.8



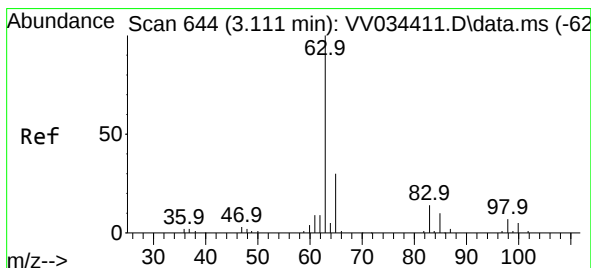
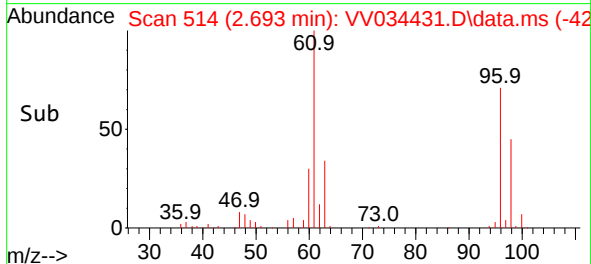
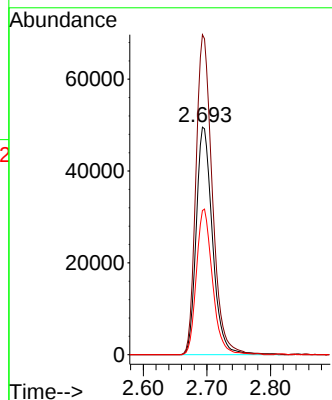


#18
trans-1,2-Dichloroethene
Concen: 9.773 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.000 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Instrument :
MSVOA_V
ClientSampleId :
C0AC6

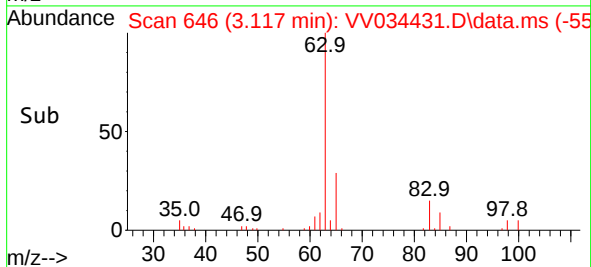
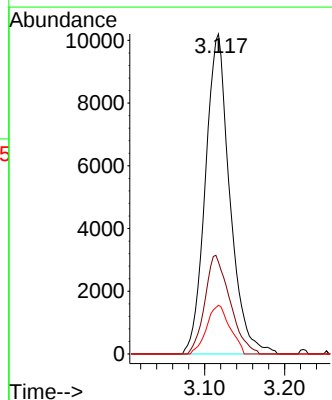
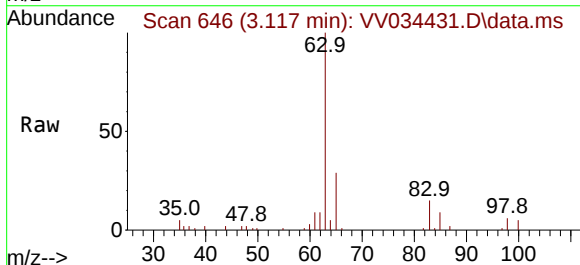


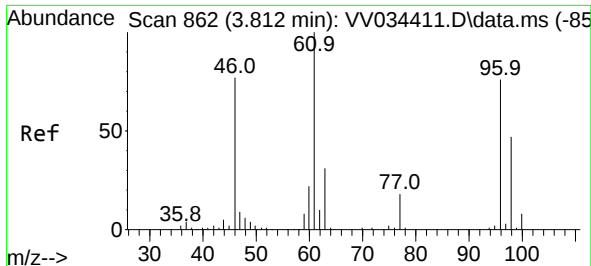
Tgt Ion: 96 Resp: 88079
Ion Ratio Lower Upper
96 100
61 140.6 101.3 188.1
98 63.4 43.5 80.7



#19
1,1-Dichloroethane
Concen: 1.249 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.006 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Tgt Ion: 63 Resp: 21671
Ion Ratio Lower Upper
63 100
65 28.8 22.0 41.0
83 15.2 10.1 18.9

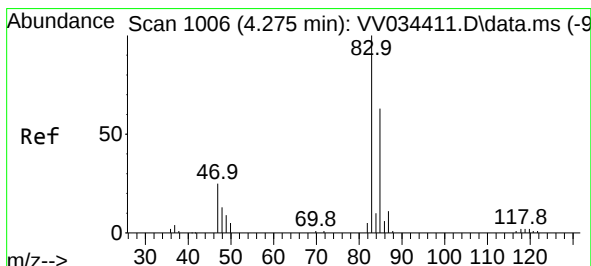
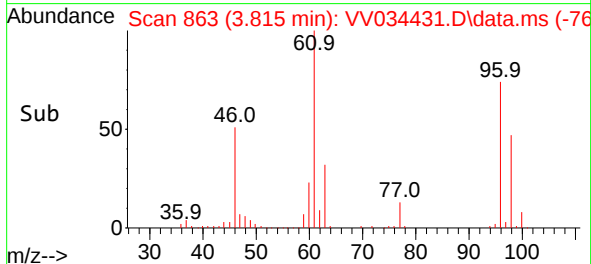
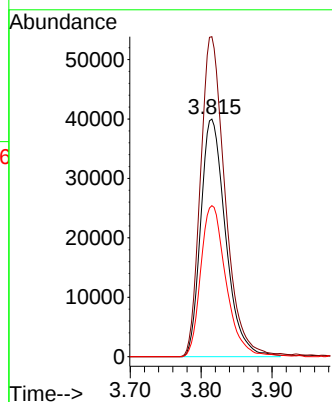
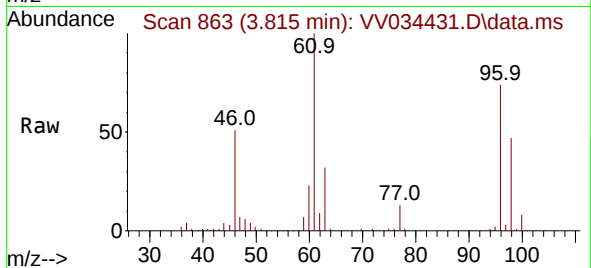




#22
 cis-1,2-Dichloroethene
 Concen: 9.853 ug/L
 RT: 3.815 min Scan# 862
 Delta R.T. 0.003 min
 Lab File: VV034431.D
 Acq: 27 Feb 2024 00:43

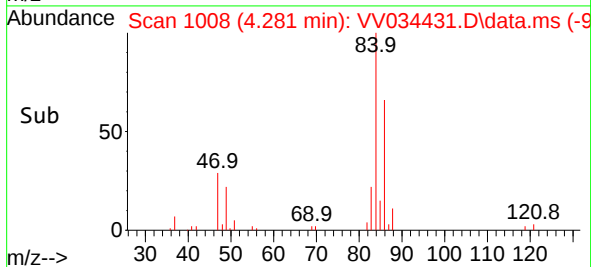
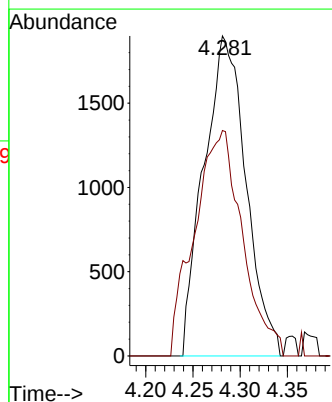
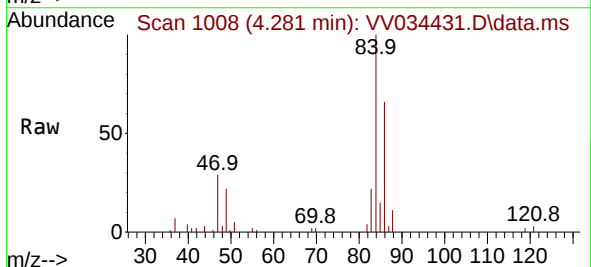
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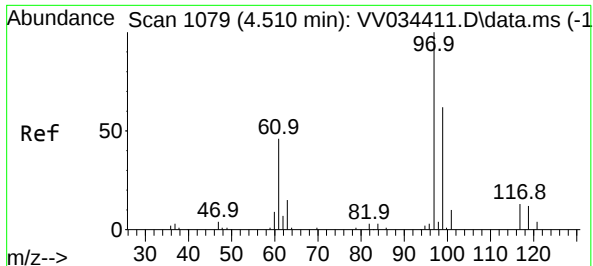
Tgt Ion: 96 Resp: 97642
 Ion Ratio Lower Upper
 96 100
 61 134.7 89.7 166.5
 98 63.6 42.0 78.0



#25
 Chloroform
 Concen: 0.327 ug/L
 RT: 4.281 min Scan# 1008
 Delta R.T. 0.006 min
 Lab File: VV034431.D
 Acq: 27 Feb 2024 00:43

Tgt Ion: 83 Resp: 5892
 Ion Ratio Lower Upper
 83 100
 85 70.5 47.0 87.4

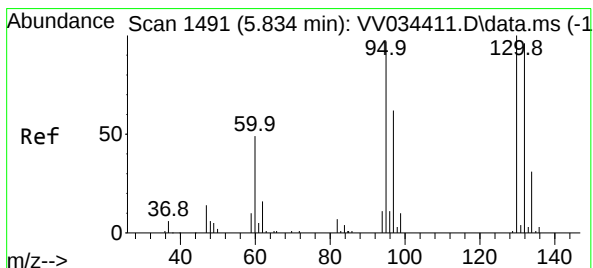
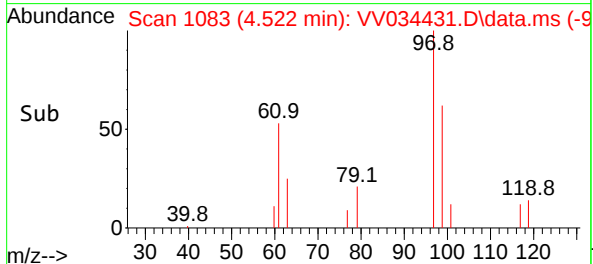
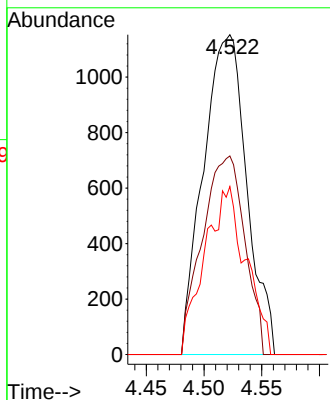
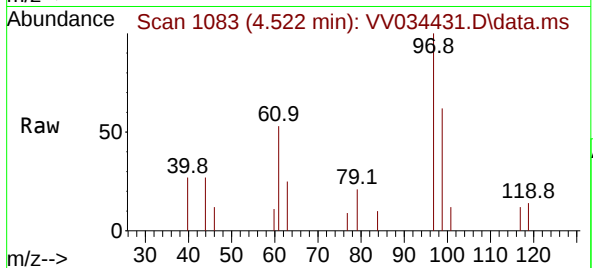




#29
1,1,1-Trichloroethane
Concen: 0.181 ug/L
RT: 4.522 min Scan# 1079
Delta R.T. 0.013 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

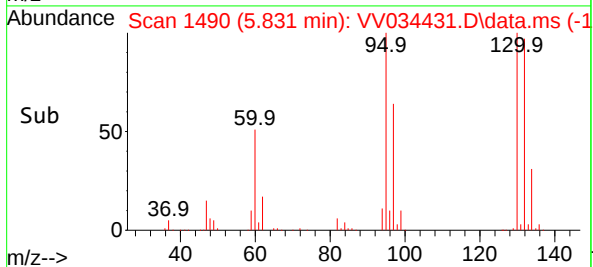
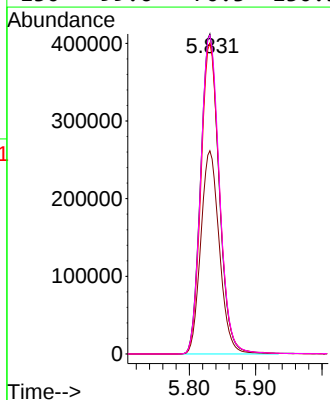
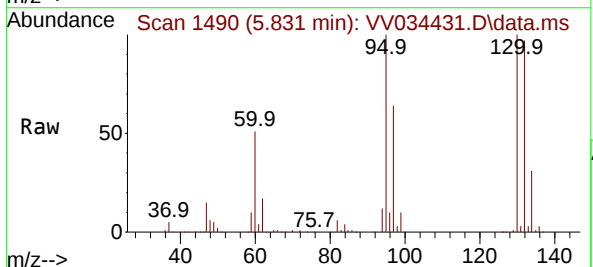
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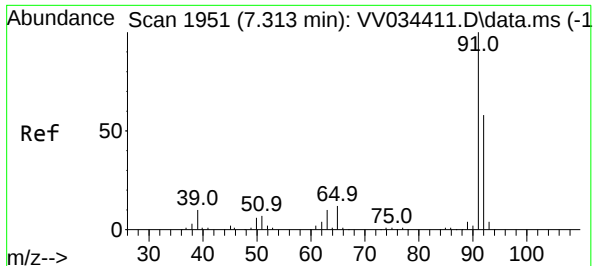
Tgt Ion:	97	Resp:	3018
Ion	Ratio	Lower	Upper
97	100		
99	60.8	51.2	76.8
61	49.9	36.1	54.1



#34
Trichloroethene
Concen: 82.536 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.003 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Tgt Ion:	95	Resp:	795456
Ion	Ratio	Lower	Upper
95	100		
97	63.5	43.3	80.5
132	97.1	67.8	126.0
130	99.6	70.3	130.5





#42

Toluene

Concen: 0.189 ug/L

RT: 7.329 min Scan# 1951

Delta R.T. 0.016 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

Instrument :

MSVOA_V

ClientSampleId :

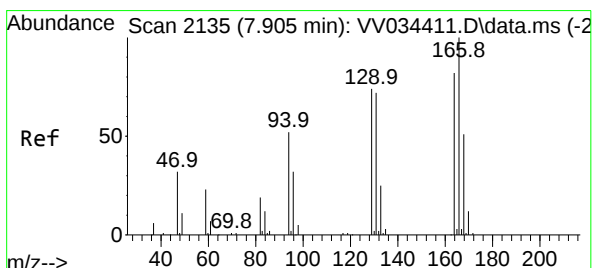
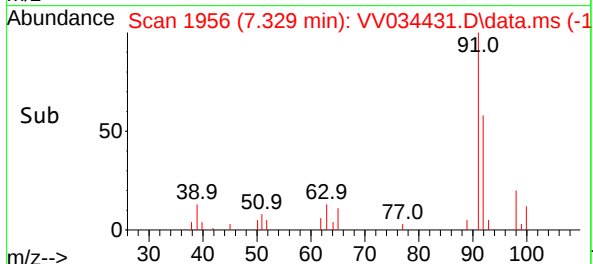
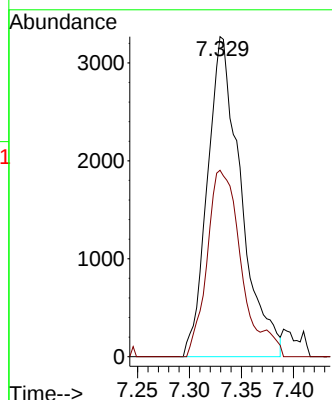
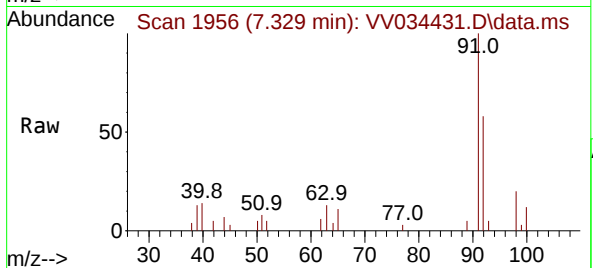
C0AC6

Tgt Ion: 91 Resp: 7327

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.3



#47

Tetrachloroethene

Concen: 8.677 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

Tgt Ion: 164 Resp: 65604

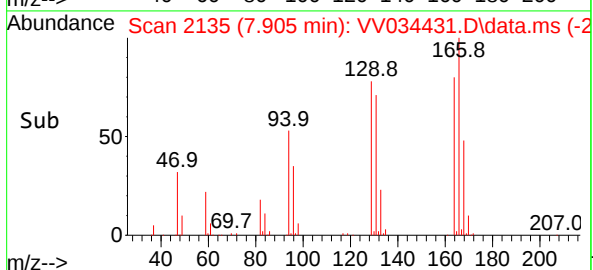
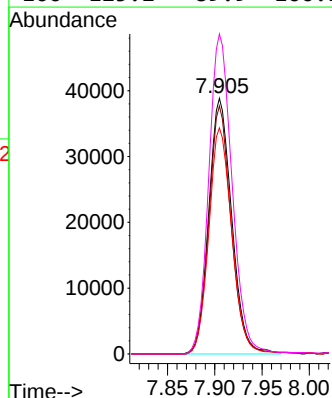
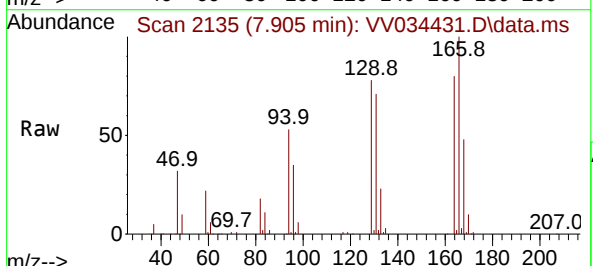
Ion Ratio Lower Upper

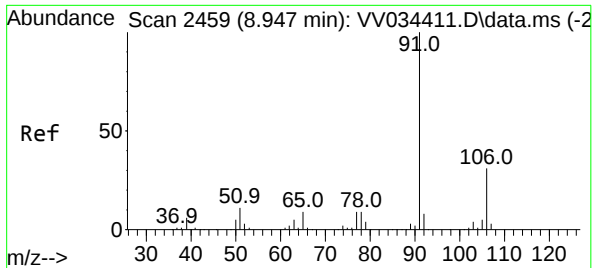
164 100

129 97.1 64.2 119.2

131 88.5 65.9 122.3

166 125.2 89.9 166.9

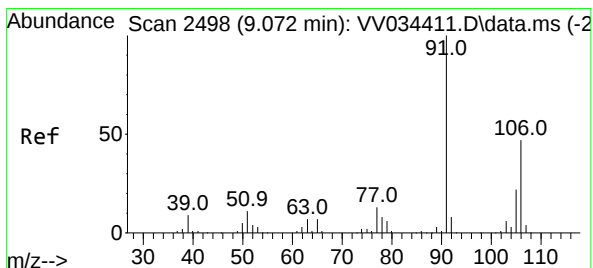
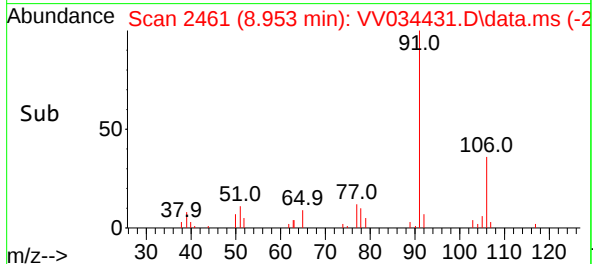
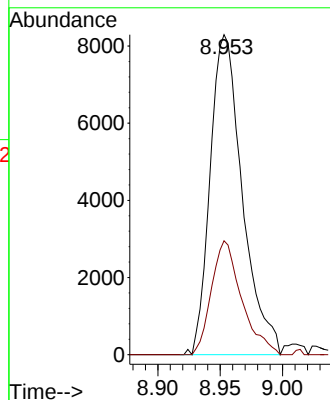
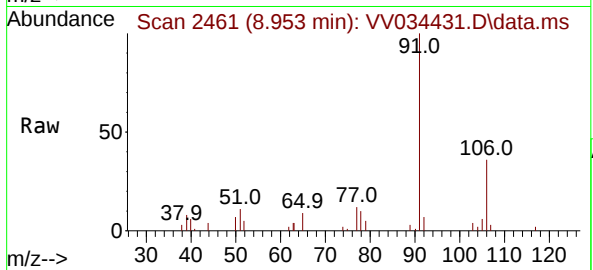




#52
Ethylbenzene
Concen: 0.341 ug/L
RT: 8.953 min Scan# 2459
Delta R.T. 0.006 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

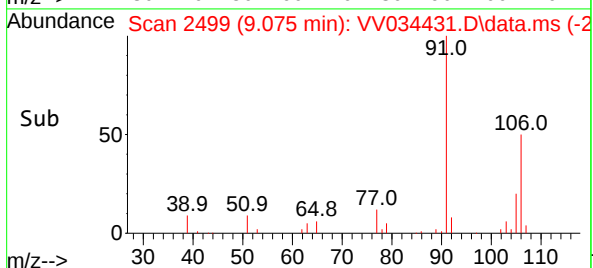
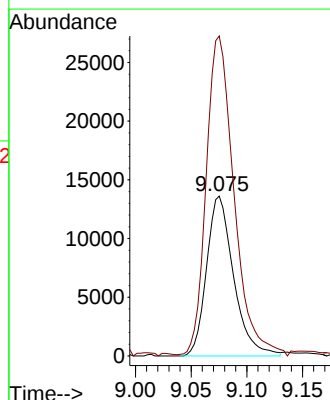
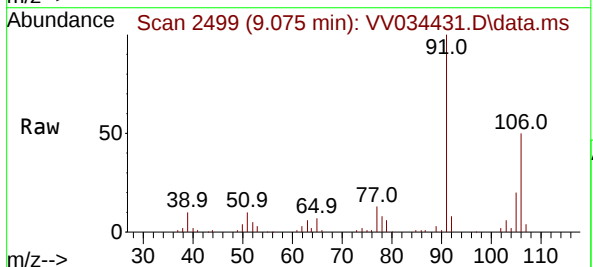
Instrument :
MSVOA_V
ClientSampleId :
C0AC6

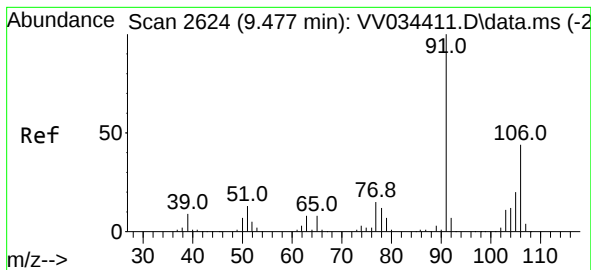
Tgt Ion: 91 Resp: 14910
Ion Ratio Lower Upper
91 100
106 35.6 21.4 39.8



#53
m,p-Xylene
Concen: 1.417 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Tgt Ion: 106 Resp: 22995
Ion Ratio Lower Upper
106 100
91 200.2 148.5 275.9





#54

o-Xylene

Concen: 1.615 ug/L

RT: 9.480 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV034431.D

Acq: 27 Feb 2024 00:43

Instrument :

MSVOA_V

ClientSampleId :

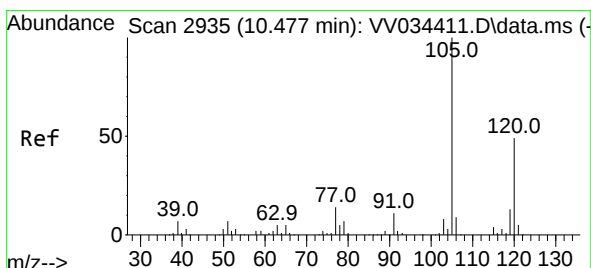
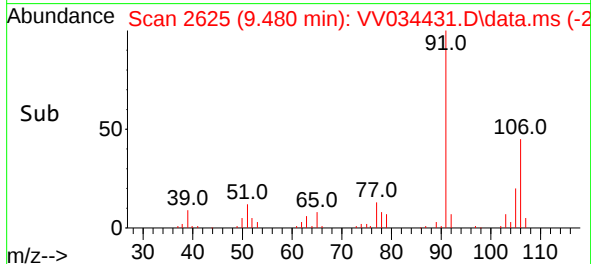
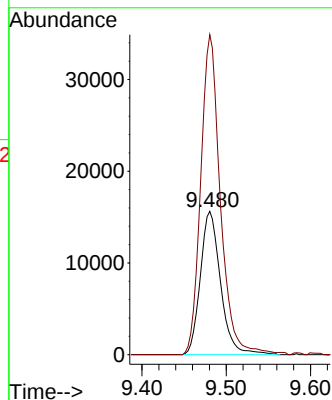
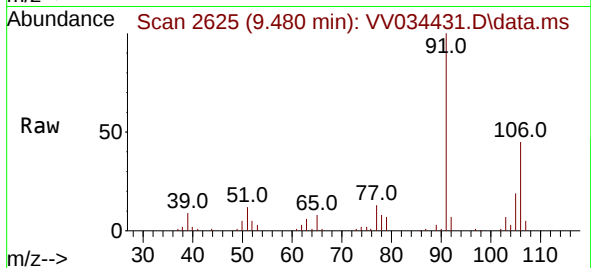
C0AC6

Tgt Ion:106 Resp: 26168

Ion Ratio Lower Upper

106 100

91 223.2 155.8 289.3



#62

1,3,5-Trimethylbenzene

Concen: 0.184 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV034431.D

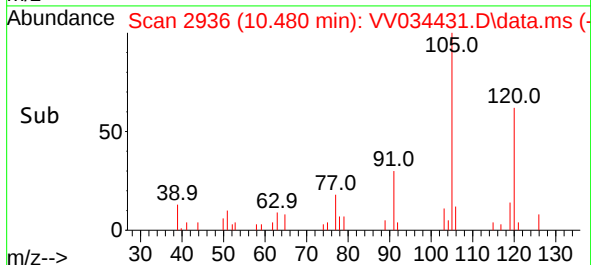
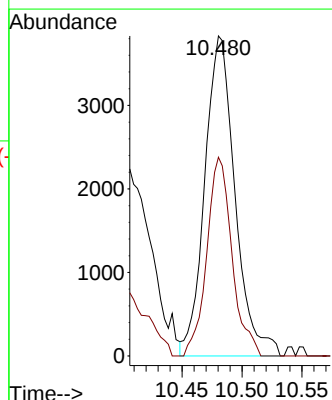
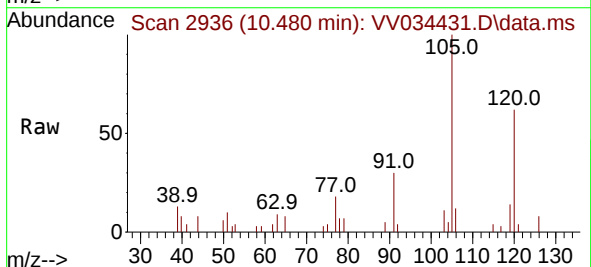
Acq: 27 Feb 2024 00:43

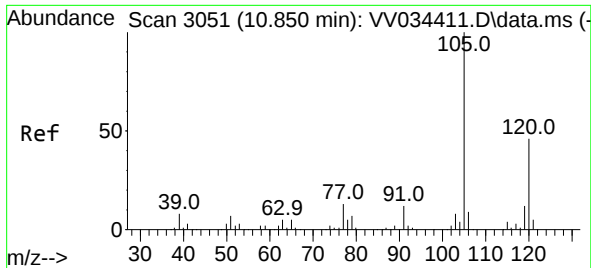
Tgt Ion:105 Resp: 6723

Ion Ratio Lower Upper

105 100

120 51.8 38.7 58.1

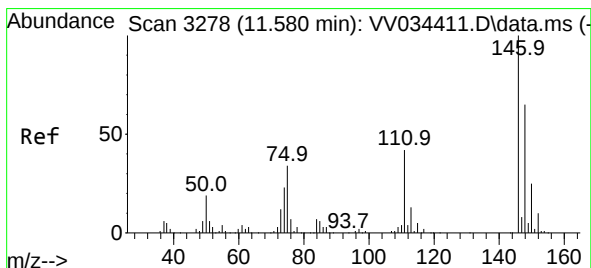
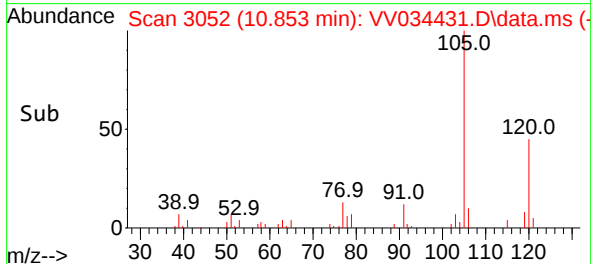
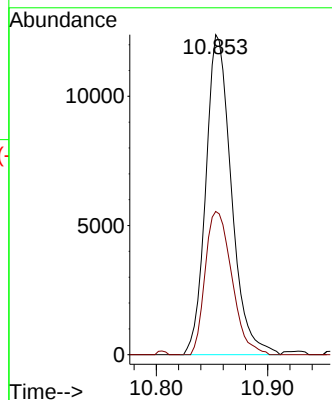
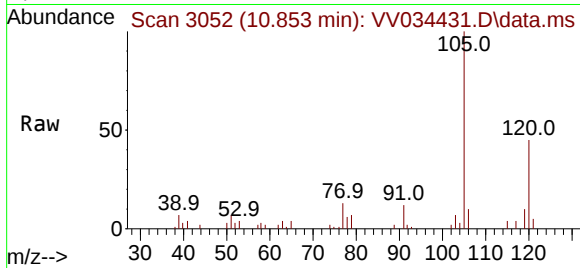




#63
1,2,4-Trimethylbenzene
Concen: 0.541 ug/L
RT: 10.853 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Instrument :
MSVOA_V
ClientSampleId :
C0AC6

Tgt Ion:105 Resp: 19764
Ion Ratio Lower Upper
105 100
120 46.5 35.4 53.2



#67
1,2-Dichlorobenzene
Concen: 0.258 ug/L
RT: 11.583 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VV034431.D
Acq: 27 Feb 2024 00:43

Tgt Ion:146 Resp: 4910
Ion Ratio Lower Upper
146 100
111 41.0 32.2 48.4
148 73.1 49.7 74.5

