

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071222\
 Data File : VW026735.D
 Acq On : 12 Jul 2022 19:04
 Operator : SY/MD
 Sample : N3601-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUA5

Quant Time: Jul 13 03:04:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 13 02:57:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	225770	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	229965	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	92303	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	99356	4.824	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.400%
7) Chloroethane-d5	1.564	69	89973	5.056	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.101	63	147354	3.727	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.600%
20) 2-Butanone-d5	3.899	46	197858	61.550	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.100%
24) Chloroform-d	4.346	84	183811	5.104	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.031	65	86212	5.479	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.600%
32) Benzene-d6	5.047	84	342607	4.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
36) 1,2-Dichloropropane-d6	6.069	67	109696	5.236	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.313	98	258974	4.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	7.625	79	22955	3.349	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.000%
46) 2-Hexanone-d5	8.088	63	141346	47.626	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.260%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	80949	4.960	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	89382	5.558	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.200%
Target Compounds						Qvalue
3) Chloromethane	1.236	50	3534	0.128	ug/L	95
5) Vinyl chloride	1.307	62	7198	0.257	ug/L #	68
8) Chloroethane	1.420	64	335747	20.319	ug/L #	49
12) 1,1-Dichloroethene	2.111	96	4425	0.224	ug/L #	1
14) Carbon disulfide	2.288	76	3824	0.066	ug/L	97
17) Methyl tert-butyl Ether	2.767	73	3532	0.104	ug/L #	94
18) trans-1,2-Dichloroethene	2.757	96	29861	1.641	ug/L	95
19) 1,1-Dichloroethane	3.188	63	1676	0.050	ug/L #	84
22) cis-1,2-Dichloroethene	3.905	96	348944	19.015	ug/L	99
33) Benzene	5.101	78	4260	0.055	ug/L	100
34) Trichloroethene	5.921	95	5489	0.290	ug/L	92
35) Methylcyclohexane	6.069	83	26421	0.916	ug/L #	19
37) 1,2-Dichloropropane	6.069	63	11696	0.636	ug/L #	86
51) Chlorobenzene	8.886	112	1896	0.039	ug/L	95
61) 1,2,3-Trichloropropane	11.249	75	13018	1.529	ug/L #	63
64) 1,3-Dichlorobenzene	11.275	146	7503	0.266	ug/L	97

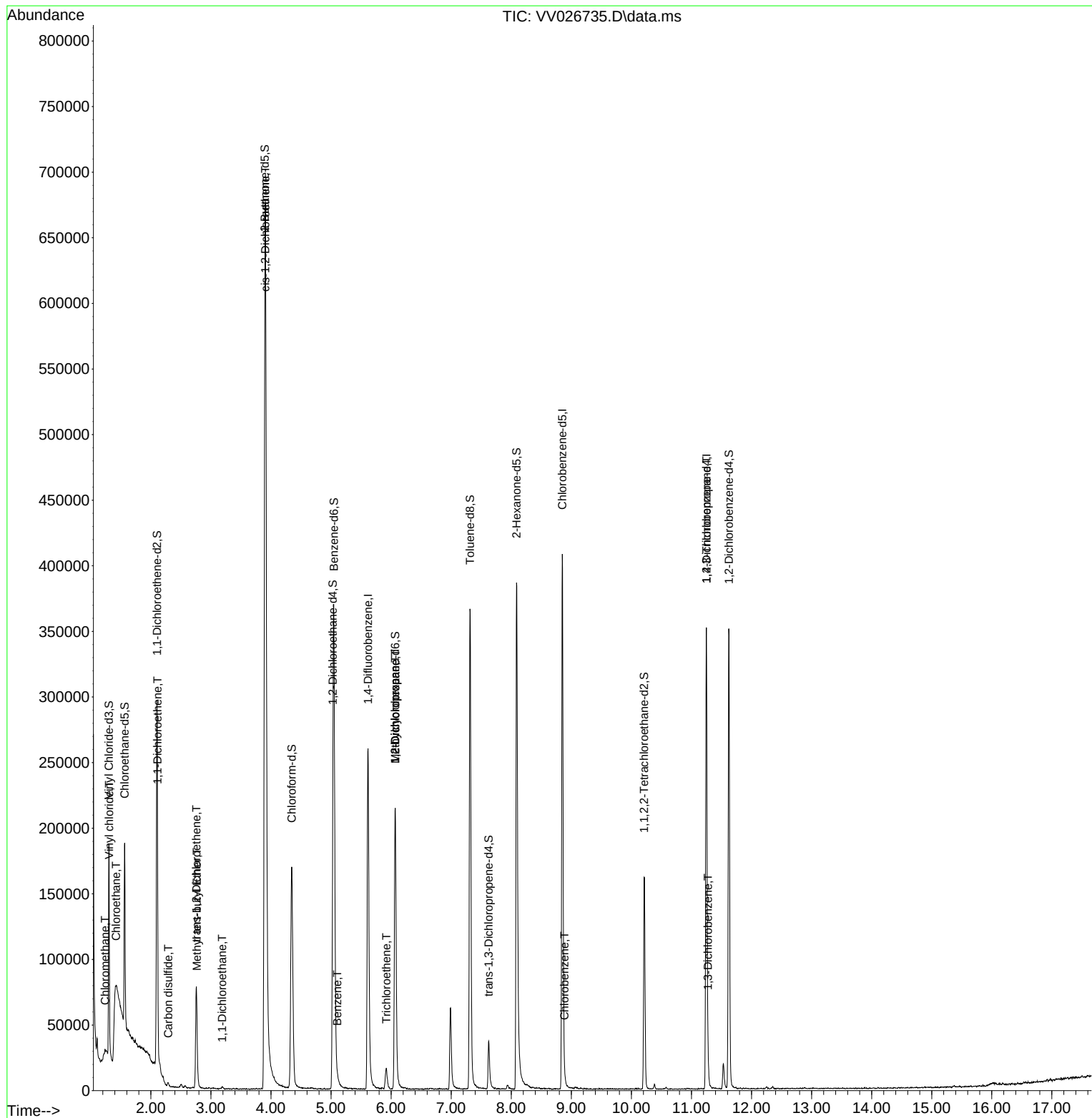
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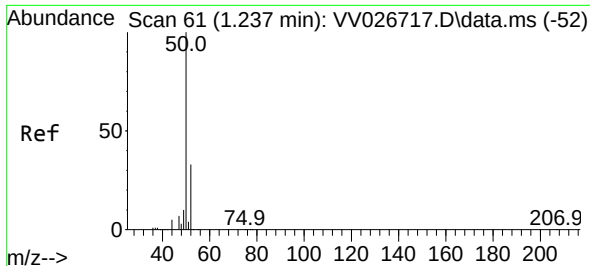
Instrument :
MSVOA_V
ClientSampleId :
DBUA5

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Response via : Initial Calibration

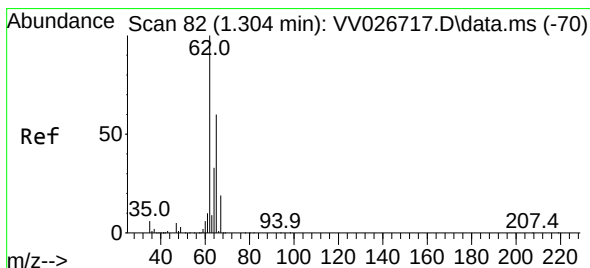
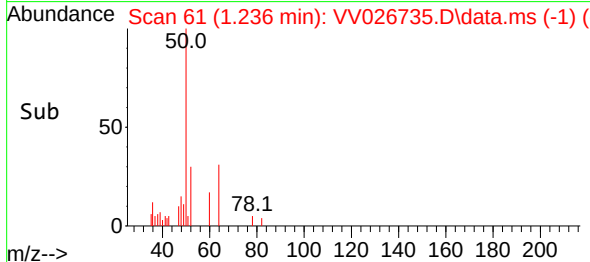
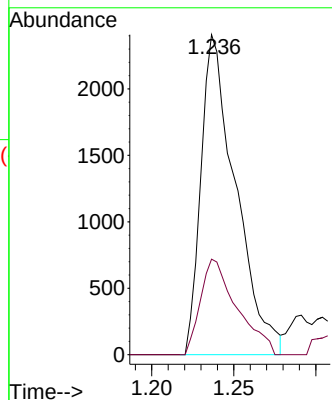
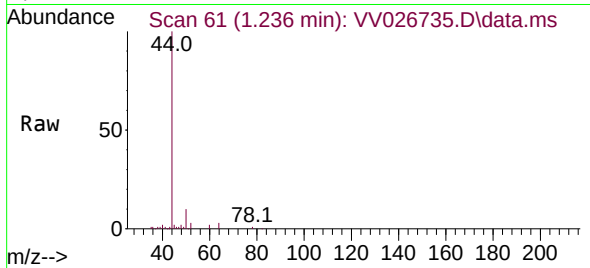




#3
Chloromethane
Concen: 0.128 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

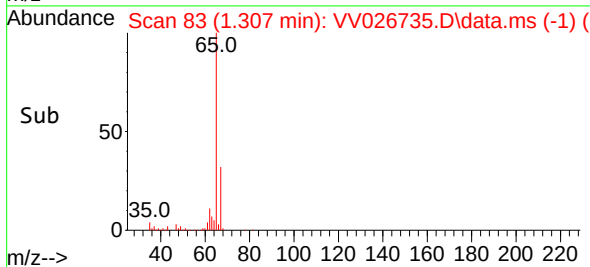
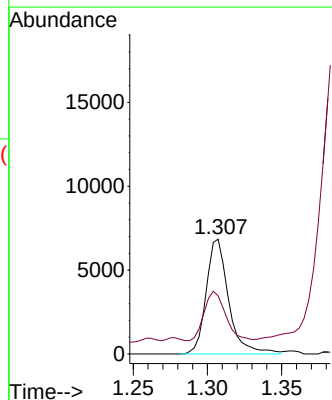
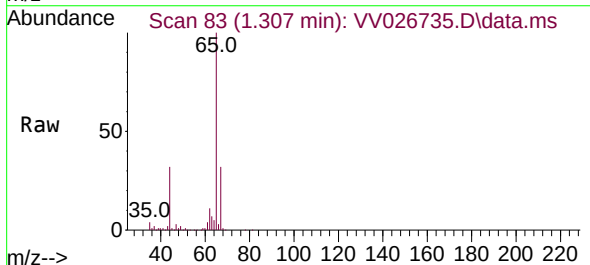
Instrument :
MSVOA_V
ClientSampleId :
DBUA5

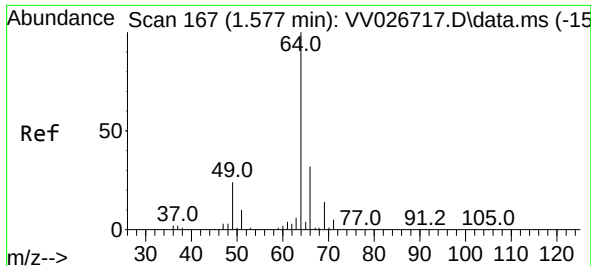
Tgt Ion: 50 Resp: 3534
Ion Ratio Lower Upper
50 100
52 29.9 22.8 42.4



#5
Vinyl chloride
Concen: 0.257 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

Tgt Ion: 62 Resp: 7198
Ion Ratio Lower Upper
62 100
64 50.7 22.9 42.5#

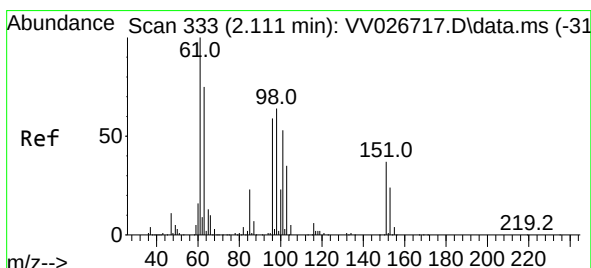
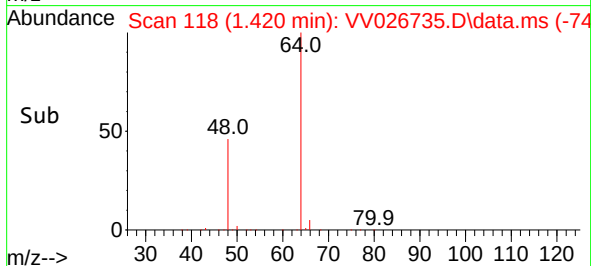
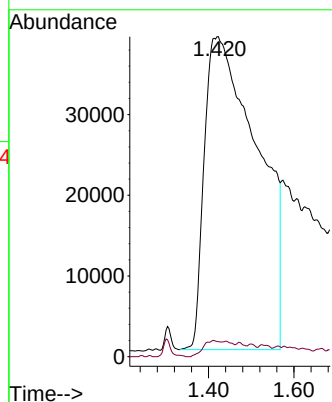
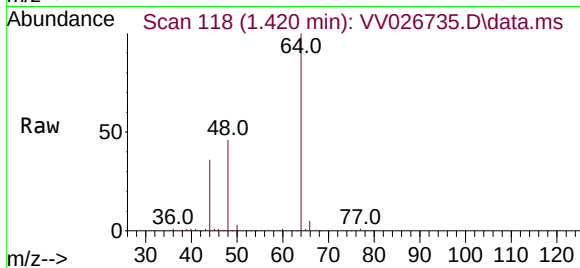




#8
Chloroethane
Concen: 20.319 ug/L
RT: 1.420 min Scan# 11
Delta R.T. -0.158 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

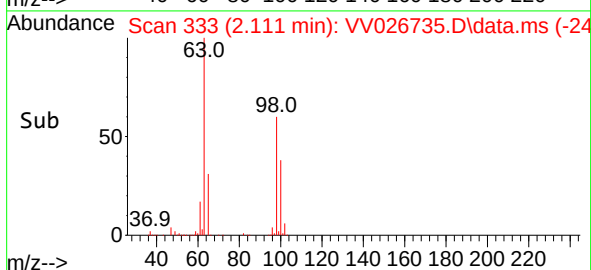
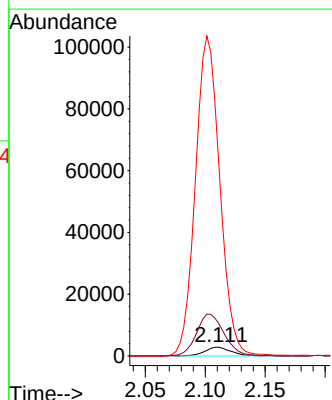
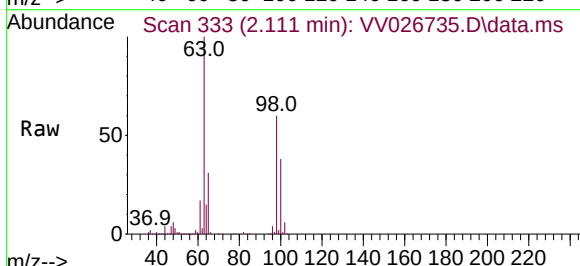
Instrument :
MSVOA_V
ClientSampleId :
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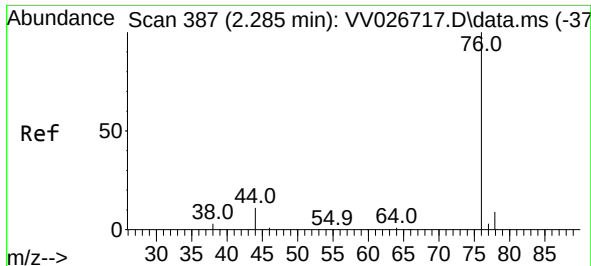
Tgt Ion: 64 Resp: 335747
Ion Ratio Lower Upper
64 100
66 4.8 23.9 44.5#



#12
1,1-Dichloroethene
Concen: 0.224 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.000 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

Tgt Ion: 96 Resp: 4425
Ion Ratio Lower Upper
96 100
61 377.2 118.3 219.7#
63 2258.5 79.9 148.3#

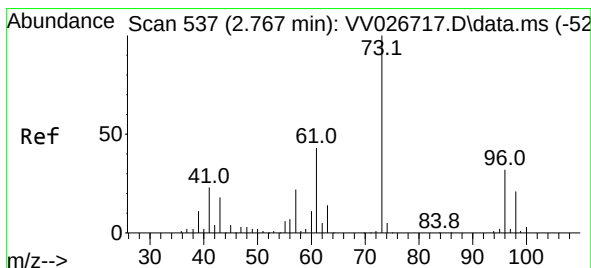
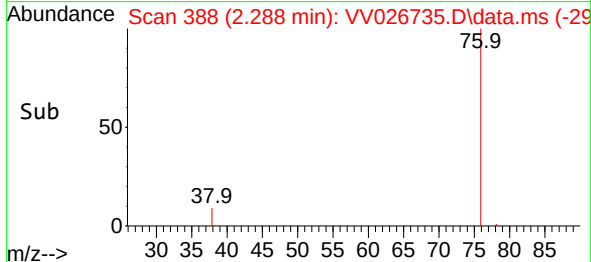
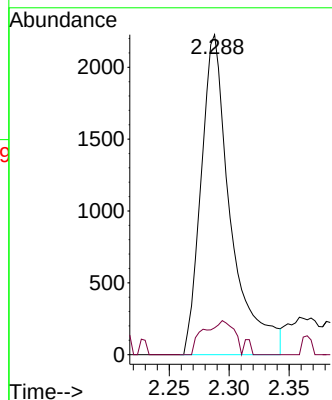
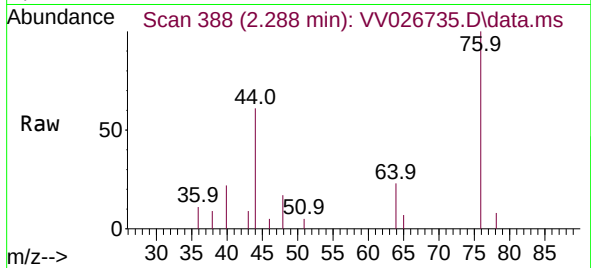




#14
Carbon disulfide
Concen: 0.066 ug/L
RT: 2.288 min Scan# 387
Delta R.T. 0.003 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

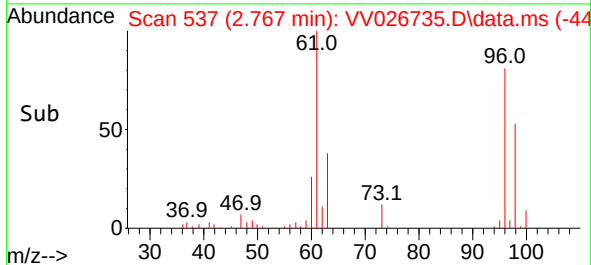
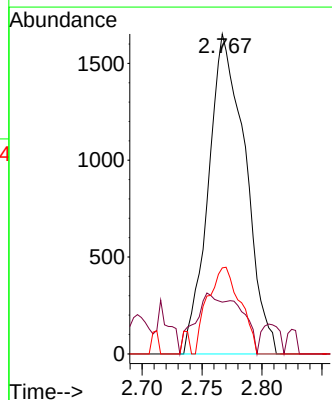
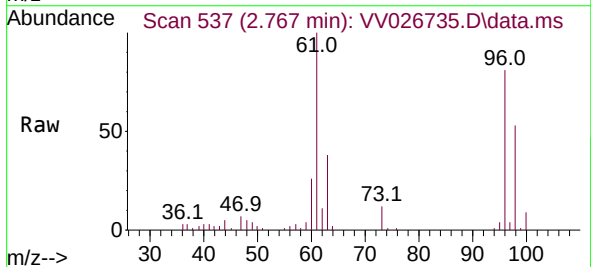
Instrument :
MSVOA_V
ClientSampleId :
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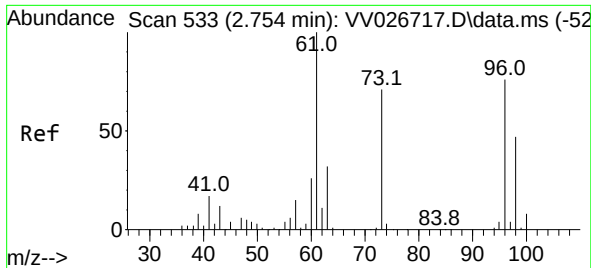
Tgt Ion: 76 Resp: 3824
Ion Ratio Lower Upper
76 100
78 8.4 7.7 11.5



#17
Methyl tert-butyl Ether
Concen: 0.104 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.000 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

Tgt Ion: 73 Resp: 3532
Ion Ratio Lower Upper
73 100
43 13.4 14.0 21.0#
57 23.9 17.6 26.4

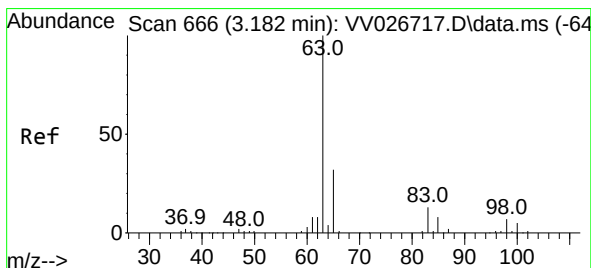
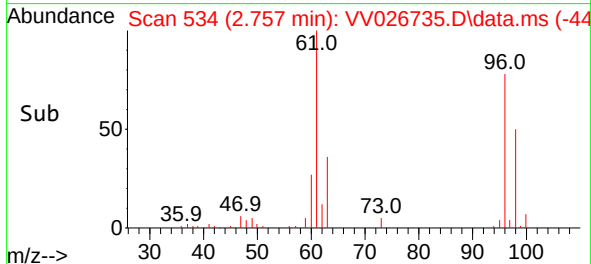
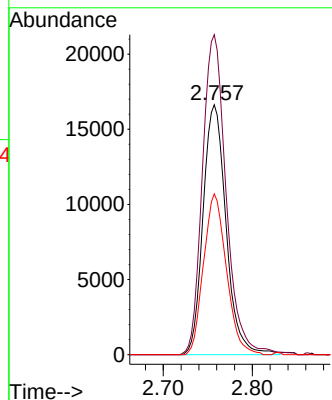
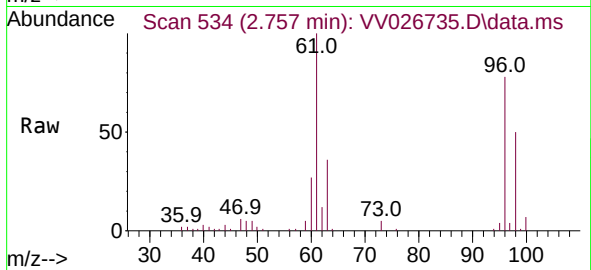




#18
trans-1,2-Dichloroethene
Concen: 1.641 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

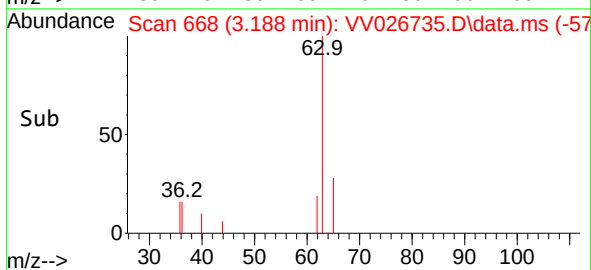
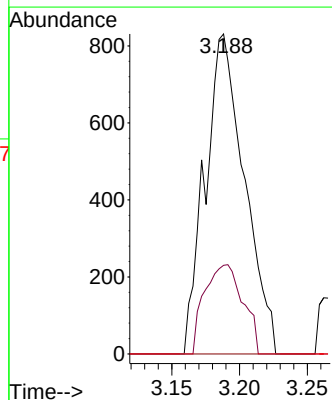
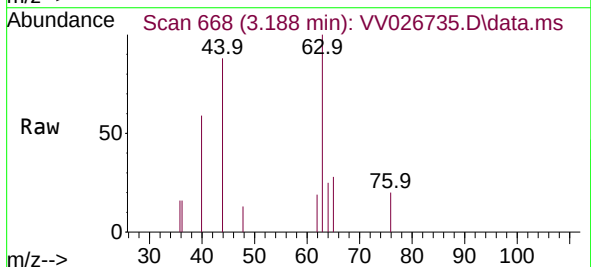
Instrument :
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ClientSampleId :
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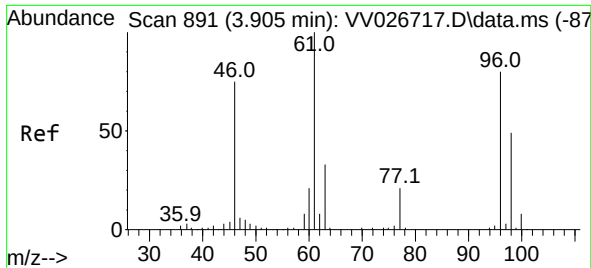
Tgt Ion: 96 Resp: 29861
Ion Ratio Lower Upper
96 100
61 128.0 94.7 175.9
98 64.4 47.4 88.0



#19
1,1-Dichloroethane
Concen: 0.050 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.006 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

Tgt Ion: 63 Resp: 1676
Ion Ratio Lower Upper
63 100
65 27.7 22.3 41.3
83 0.0 9.9 18.5

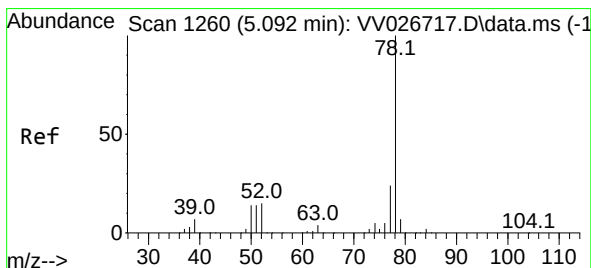
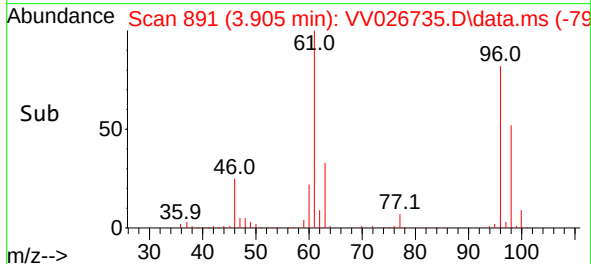
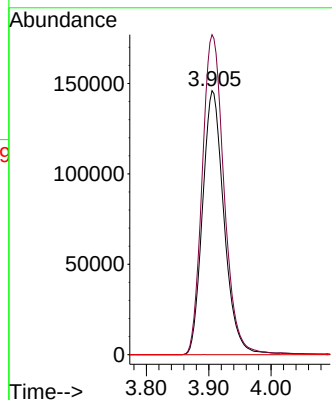
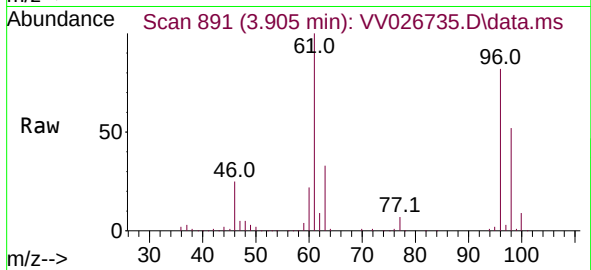




#22
 cis-1,2-Dichloroethene
 Concen: 19.015 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. -0.000 min
 Lab File: VV026735.D
 Acq: 12 Jul 2022 19:04

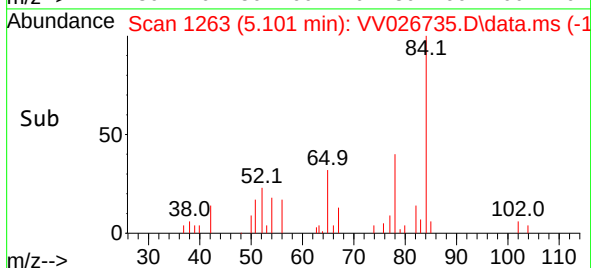
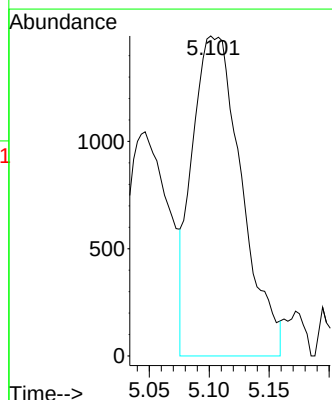
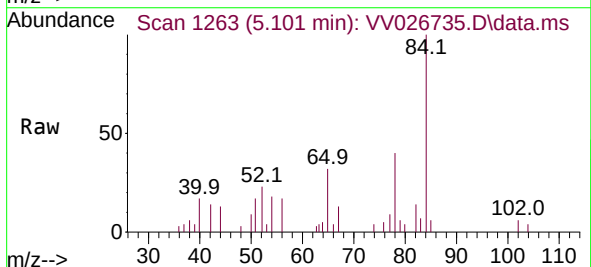
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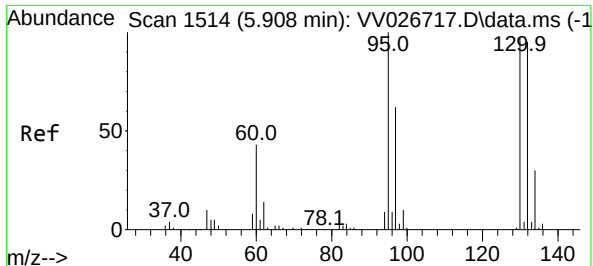
Tgt Ion: 96 Resp: 348944
 Ion Ratio Lower Upper
 96 100
 61 121.2 83.9 155.9
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 0.055 ug/L
 RT: 5.101 min Scan# 1263
 Delta R.T. 0.010 min
 Lab File: VV026735.D
 Acq: 12 Jul 2022 19:04

Tgt Ion: 78 Resp: 4260





#34

Trichloroethene

Concen: 0.290 ug/L

RT: 5.921 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV026735.D

Acq: 12 Jul 2022 19:04

Instrument :

MSVOA_V

ClientSampleId :

DBUA5

Tgt Ion: 95 Resp: 5489

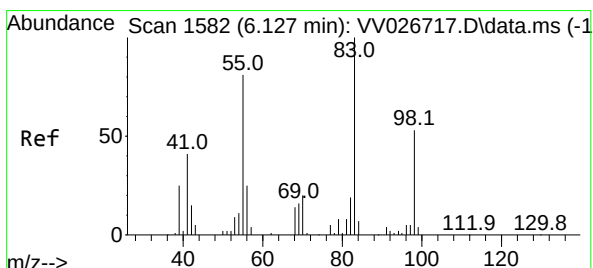
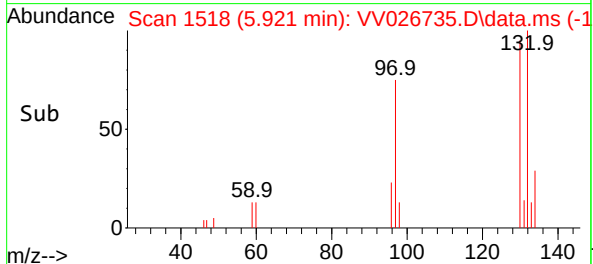
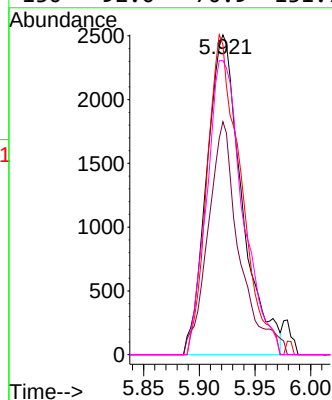
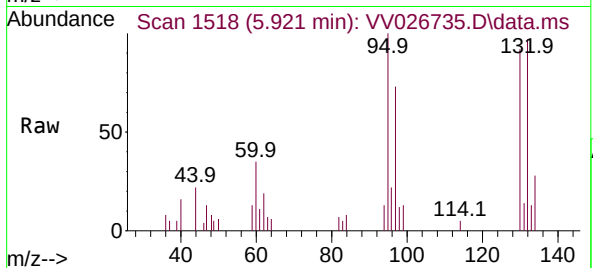
Ion Ratio Lower Upper

95 100

97 72.8 44.6 82.8

132 96.9 70.2 130.4

130 92.0 70.9 131.7



#35

Methylcyclohexane

Concen: 0.916 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV026735.D

Acq: 12 Jul 2022 19:04

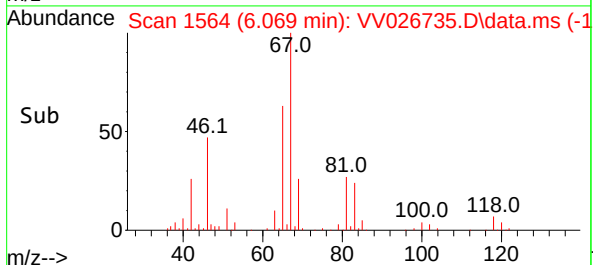
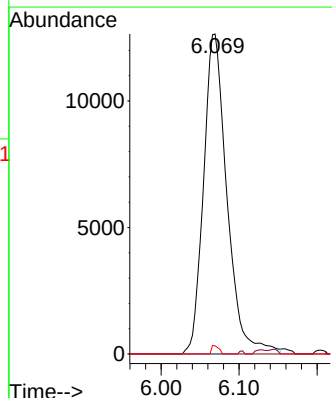
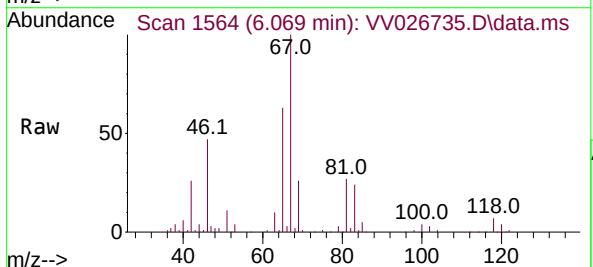
Tgt Ion: 83 Resp: 26421

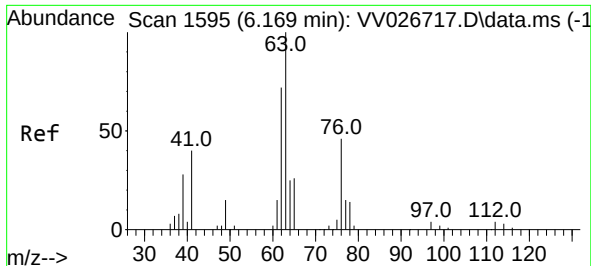
Ion Ratio Lower Upper

83 100

55 0.2 59.5 89.3#

98 0.8 38.3 57.5#





#37

1,2-Dichloropropane

Concen: 0.636 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV026735.D

Acq: 12 Jul 2022 19:04

Instrument :

MSVOA_V

ClientSampleId :

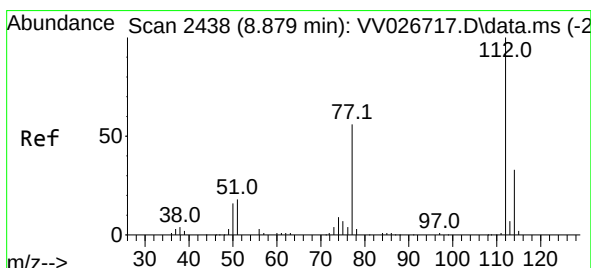
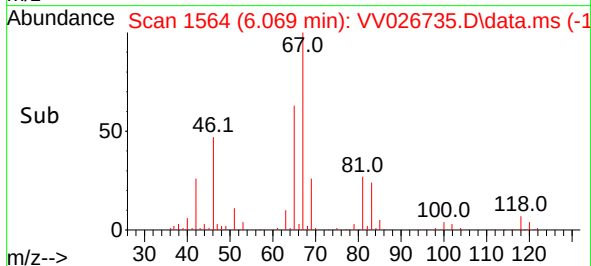
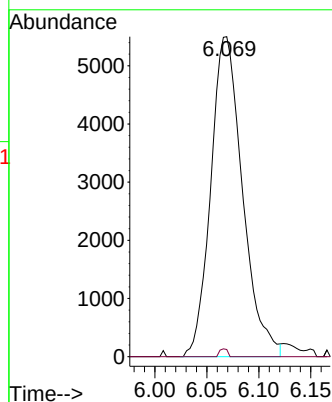
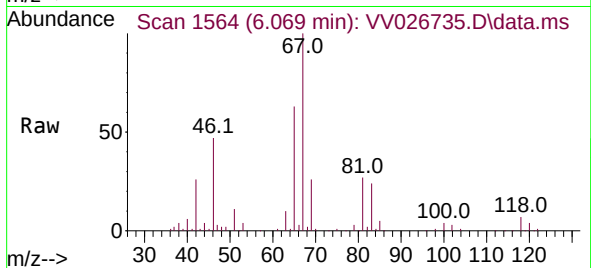
DBUA5

Tgt Ion: 63 Resp: 11696

Ion Ratio Lower Upper

63 100

112 0.6 4.2 6.2#



#51

Chlorobenzene

Concen: 0.039 ug/L

RT: 8.886 min Scan# 2440

Delta R.T. 0.006 min

Lab File: VV026735.D

Acq: 12 Jul 2022 19:04

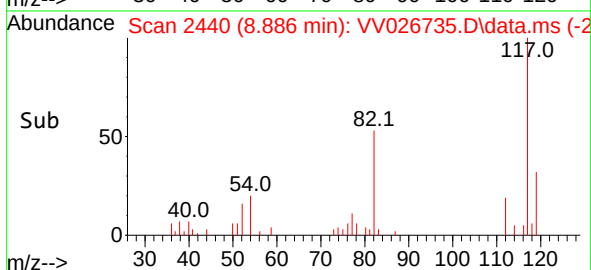
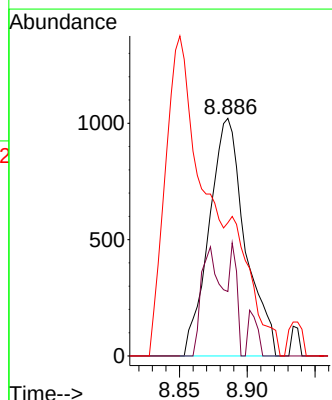
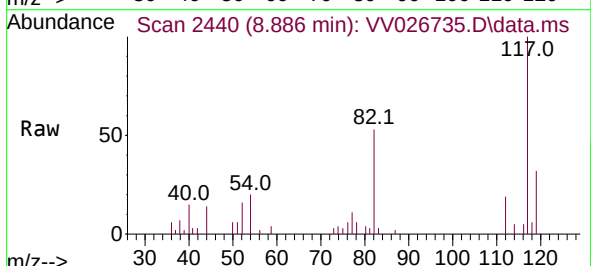
Tgt Ion: 112 Resp: 1896

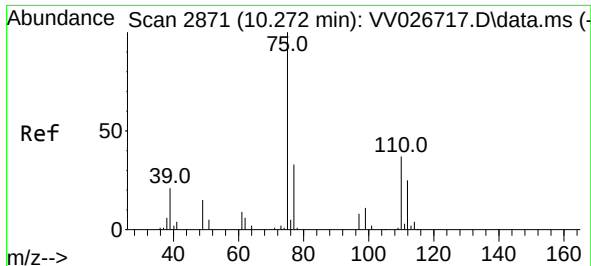
Ion Ratio Lower Upper

112 100

114 27.1 22.7 42.1

77 56.1 46.6 70.0

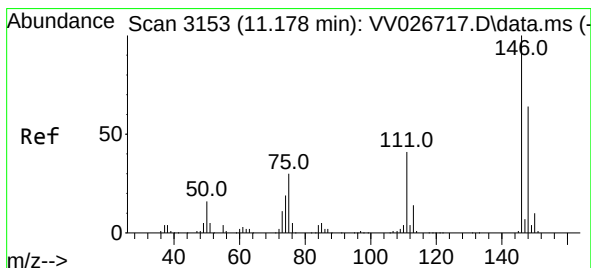
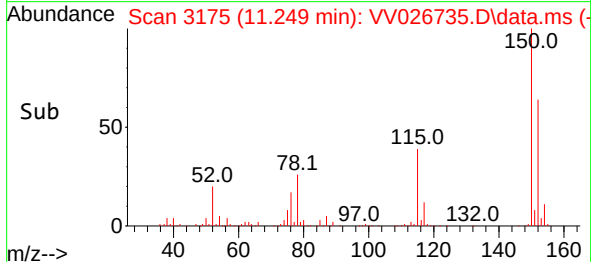
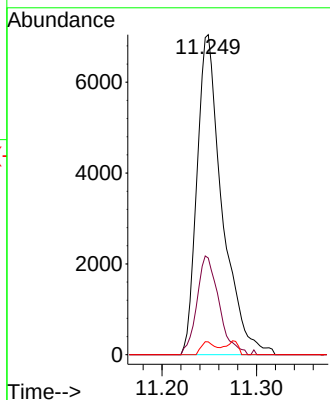
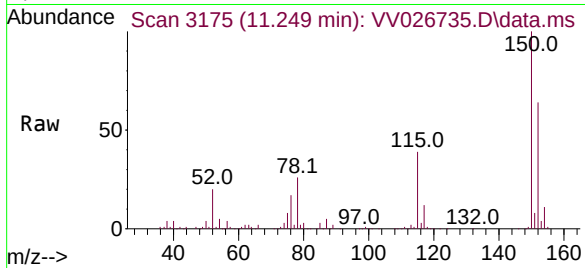




#61
1,2,3-Trichloropropane
Concen: 1.529 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

Instrument :
MSVOA_V
ClientSampleId :
DBUA5

Tgt Ion: 75 Resp: 13018
Ion Ratio Lower Upper
75 100
77 27.1 25.4 38.0
110 2.4 31.8 47.6#



#64
1,3-Dichlorobenzene
Concen: 0.266 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.096 min
Lab File: VV026735.D
Acq: 12 Jul 2022 19:04

Tgt Ion:146 Resp: 7503
Ion Ratio Lower Upper
146 100
111 40.0 27.9 51.7
148 60.4 44.9 83.5

