

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120822\
 Data File : VW029499.D
 Acq On : 09 Dec 2022 01:38
 Operator : SY/MD
 Sample : N5915-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5N08

Quant Time: Dec 09 04:17:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 08 01:48:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	508828	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	476421	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	253080	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	103900	33.346	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.700%
7) Chloroethane-d5	1.564	69	92798	39.058	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.120%
11) 1,1-Dichloroethene-d2	2.105	63	147371	30.324	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.640%
21) 2-Butanone-d5	3.867	46	190007	99.964	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.960%
24) Chloroform-d	4.339	84	254312	43.372	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.740%
26) 1,2-Dichloroethane-d4	5.024	65	152445	45.522	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.040%
32) Benzene-d6	5.043	84	530326	42.127	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.260%
36) 1,2-Dichloropropane-d6	6.063	67	168897	43.924	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.840%
41) Toluene-d8	7.307	98	481982	40.635	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.260%
43) trans-1,3-Dichloroprop...	7.612	79	75090	38.672	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.340%
47) 2-Hexanone-d5	8.082	63	163383	99.502	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.500%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	246612	44.881	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.760%
66) 1,2-Dichlorobenzene-d4	11.612	152	208781	43.337	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.680%
Target Compounds						Qvalue
5) Vinyl chloride	1.307	62	24612	6.437	ug/L	91
8) Chloroethane	1.307	64	9307	4.372	ug/L	91
12) 1,1-Dichloroethene	2.114	96	5308	1.952	ug/L #	1
15) Methyl Acetate	2.619	43	3522	1.248	ug/L #	45
17) trans-1,2-Dichloroethene	2.757	96	3660	1.168	ug/L	92
18) Methyl tert-butyl Ether	2.764	73	274489	28.588	ug/L	98
19) 1,1-Dichloroethane	3.182	63	91717	17.084	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	405485	117.667	ug/L	95
27) 1,2-Dichloroethane	5.133	62	7614	1.937	ug/L	99
33) Benzene	5.095	78	68866	5.128	ug/L	100
34) Trichloroethene	5.908	95	42143	12.524	ug/L	97
39) cis-1,3-Dichloropropene	6.979	75	4634	0.869	ug/L #	50
44) trans-1,3-Dichloropropene	7.612	75	3097	0.613	ug/L #	76
46) Tetrachloroethene	7.969	164	5370	1.985	ug/L	93
49) Dibromochloromethane	7.966	129	4826	1.305	ug/L #	10
51) Chlorobenzene	8.873	112	3608753	394.285	ug/L	97
64) 1,3-Dichlorobenzene	11.169	146	148961	20.503	ug/L	98
65) 1,4-Dichlorobenzene	11.262	146	488914	66.217	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	90321	12.157	ug/L	97

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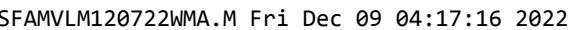
Instrument :
MSVOA_V
ClientSampleId :
F5N08

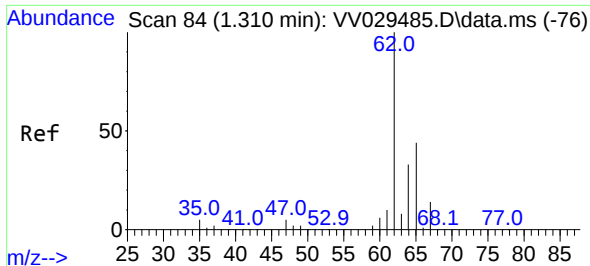
Quant Time: Dec 09 04:17:11 2022
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Quant Title : VOC Analysis
QLast Update : Thu Dec 08 01:48:46 2022
Response via : Initial Calibration

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

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

Quant Time: Dec 09 04:17:11 2022
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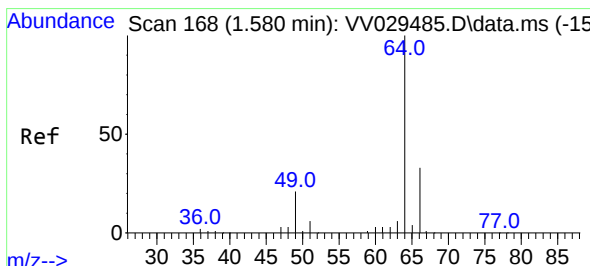
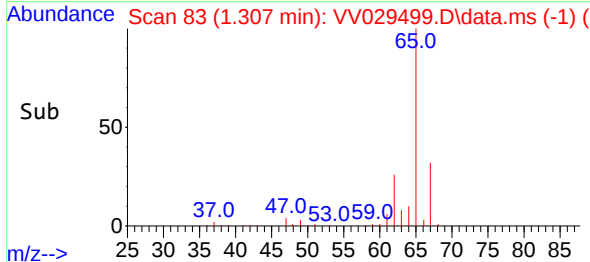
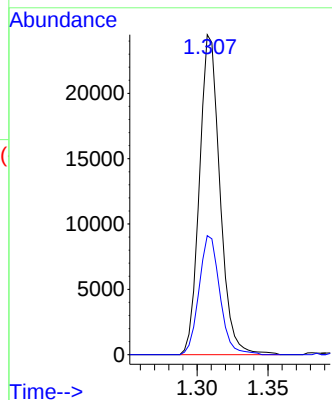
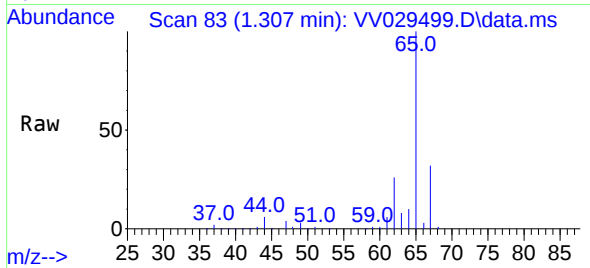




#5
 Vinyl chloride
 Concen: 6.437 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV029499.D
 Acq: 09 Dec 2022 01:38

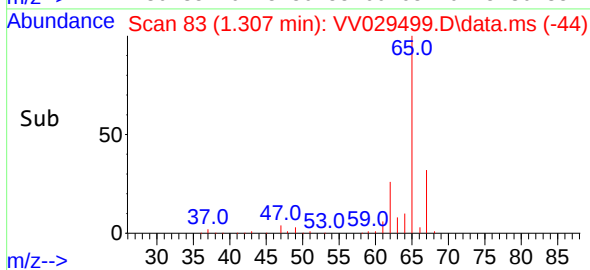
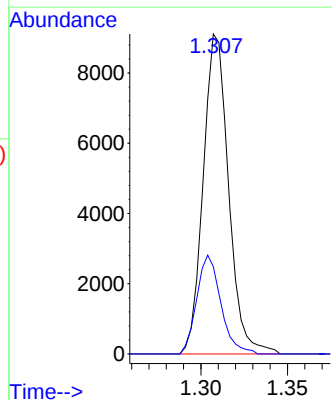
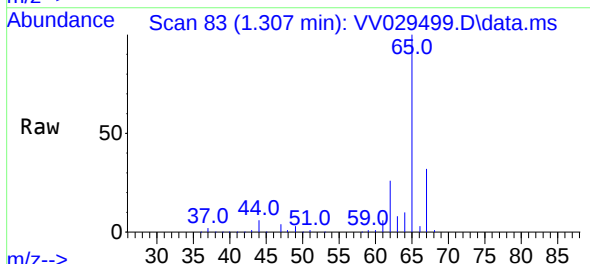
Instrument :
 MSVOA_V
 ClientSampleId :
 F5N08

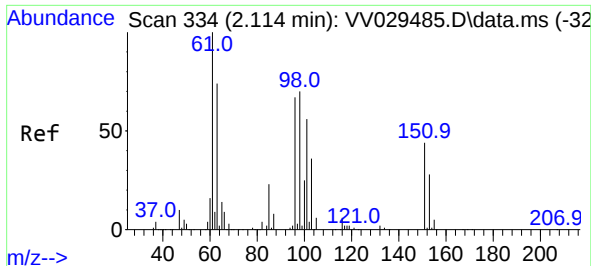
Tgt Ion: 62 Resp: 24612
 Ion Ratio Lower Upper
 62 100
 64 37.2 22.5 41.9



#8
 Chloroethane
 Concen: 4.372 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.273 min
 Lab File: VV029499.D
 Acq: 09 Dec 2022 01:38

Tgt Ion: 64 Resp: 9307
 Ion Ratio Lower Upper
 64 100
 66 27.3 22.5 41.9





#12

1,1-Dichloroethene

Concen: 1.952 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV029499.D

Acq: 09 Dec 2022 01:38

Instrument :

MSVOA_V

ClientSampleId :

F5N08

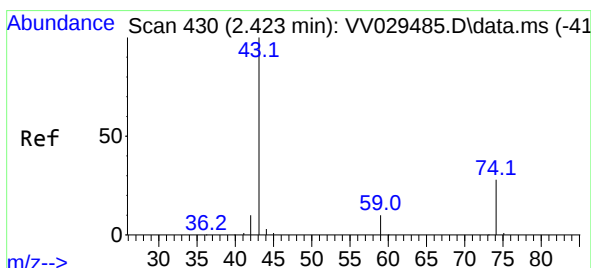
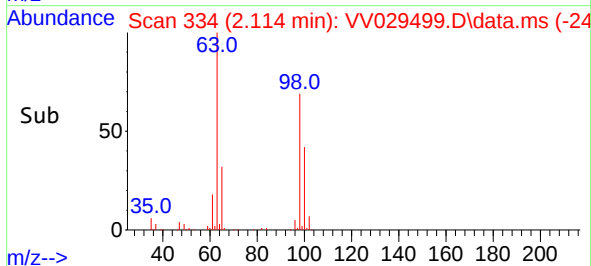
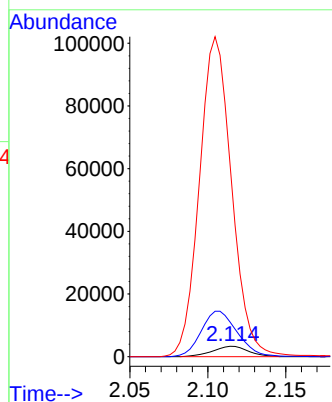
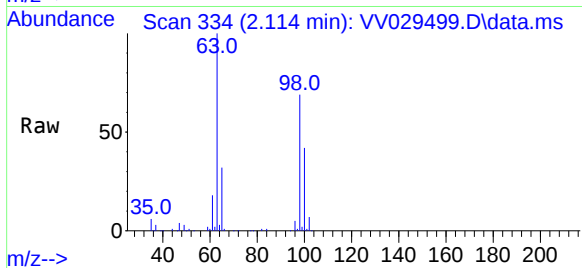
Tgt Ion: 96 Resp: 5308

Ion Ratio Lower Upper

96 100

61 333.9 103.3 191.9#

63 1845.6 77.3 143.7#



#15

Methyl Acetate

Concen: 1.248 ug/L

RT: 2.619 min Scan# 491

Delta R.T. 0.196 min

Lab File: VV029499.D

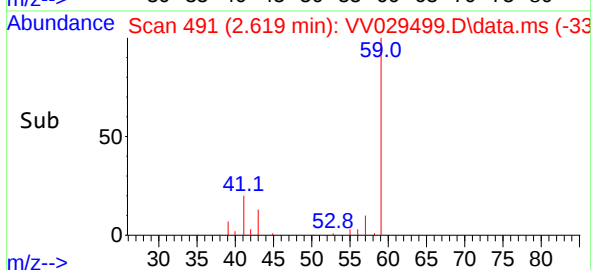
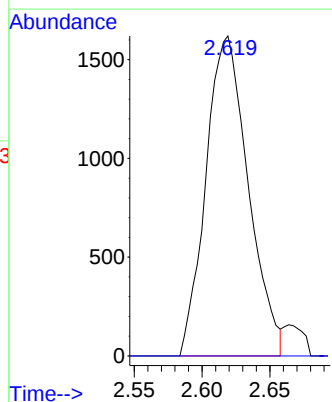
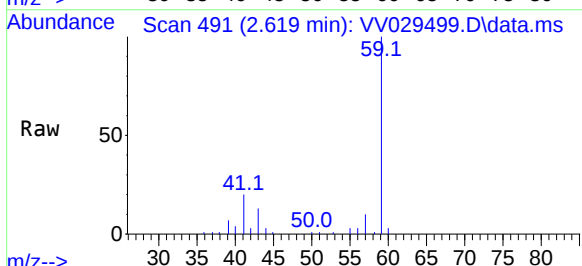
Acq: 09 Dec 2022 01:38

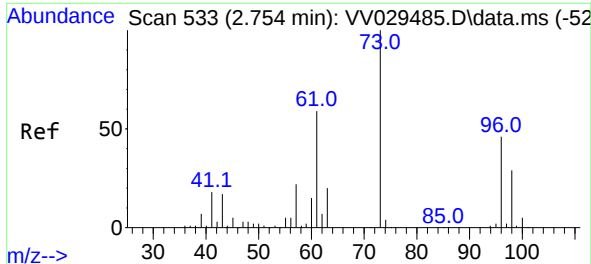
Tgt Ion: 43 Resp: 3522

Ion Ratio Lower Upper

43 100

74 0.0 23.5 35.3#





#17

trans-1,2-Dichloroethene

Concen: 1.168 ug/L

RT: 2.757 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV029499.D

Acq: 09 Dec 2022 01:38

Instrument :

MSVOA_V

ClientSampleId :

F5N08

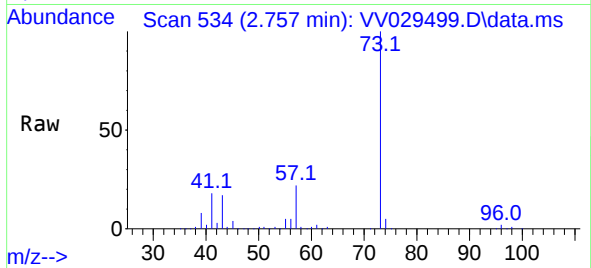
Tgt Ion: 96 Resp: 3660

Ion Ratio Lower Upper

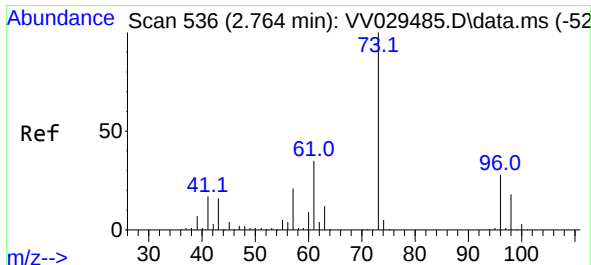
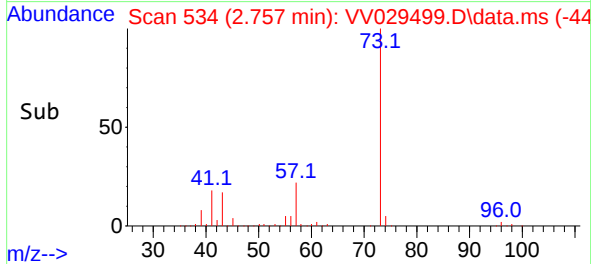
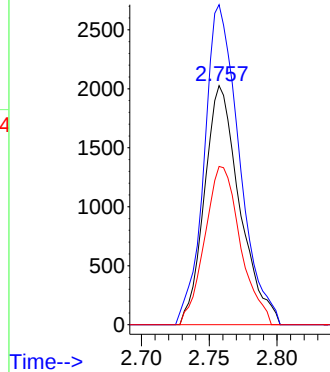
96 100

61 133.8 86.4 160.4

98 66.2 43.4 80.6



Abundance



#18

Methyl tert-butyl Ether

Concen: 28.588 ug/L

RT: 2.764 min Scan# 536

Delta R.T. -0.000 min

Lab File: VV029499.D

Acq: 09 Dec 2022 01:38

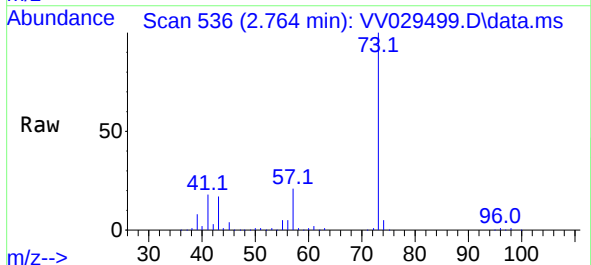
Tgt Ion: 73 Resp: 274489

Ion Ratio Lower Upper

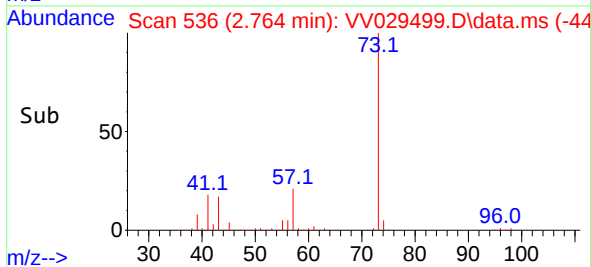
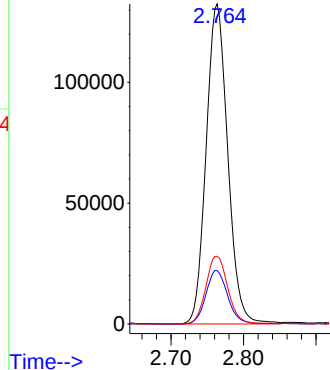
73 100

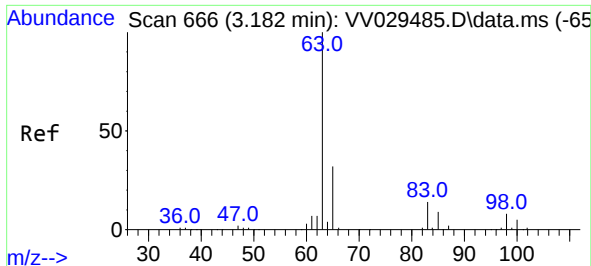
43 16.9 12.7 19.1

57 21.6 16.7 25.1



Abundance





#19

1,1-Dichloroethane

Concen: 17.084 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029499.D

Acq: 09 Dec 2022 01:38

Instrument :

MSVOA_V

ClientSampleId :

F5N08

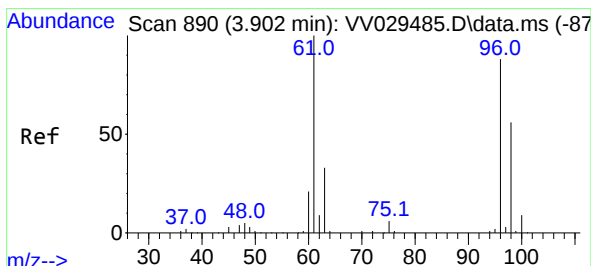
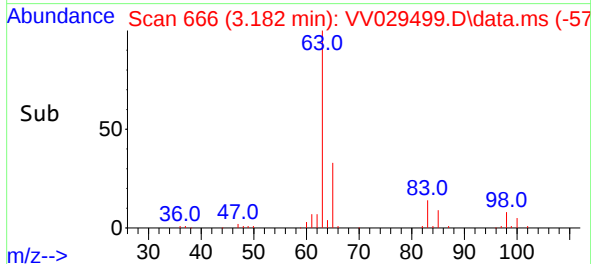
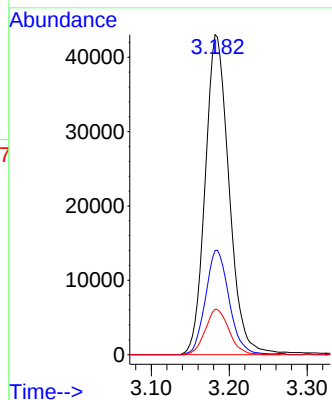
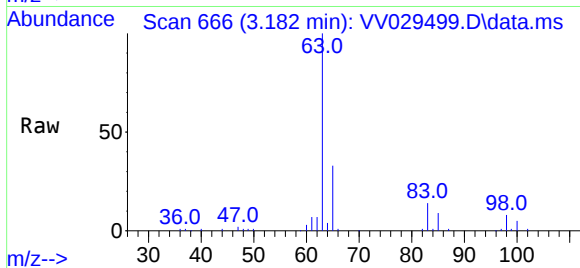
Tgt Ion: 63 Resp: 91717

Ion Ratio Lower Upper

63 100

65 32.5 22.5 41.7

83 14.2 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 117.667 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV029499.D

Acq: 09 Dec 2022 01:38

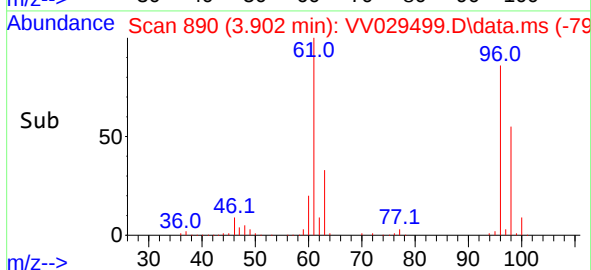
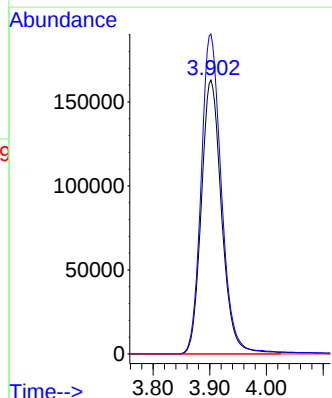
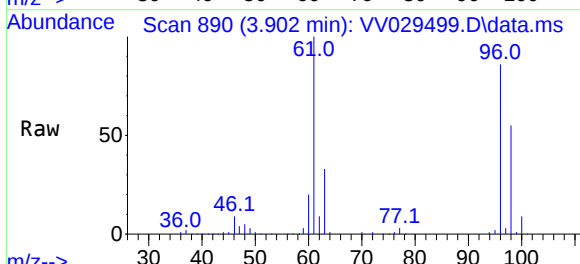
Tgt Ion: 96 Resp: 405485

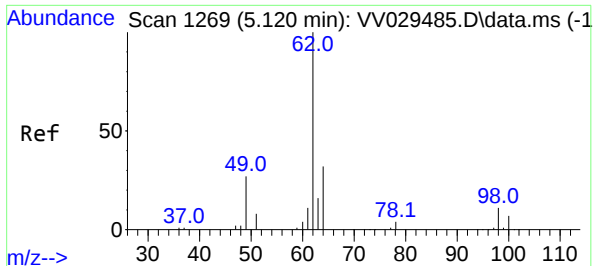
Ion Ratio Lower Upper

96 100

61 116.8 78.0 144.9

68 0.0 0.0 0.0

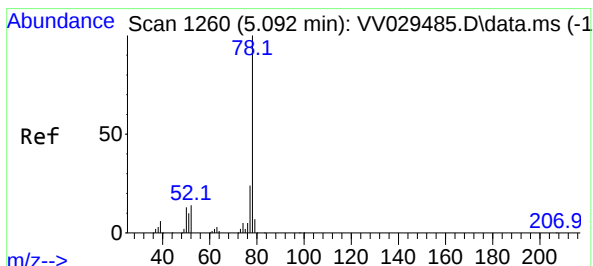
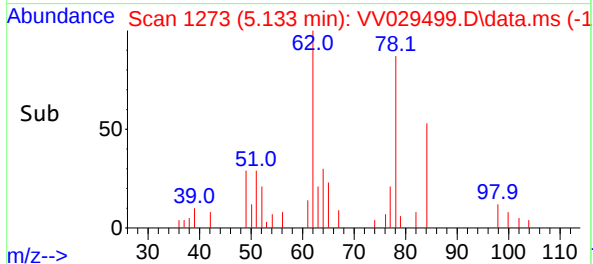
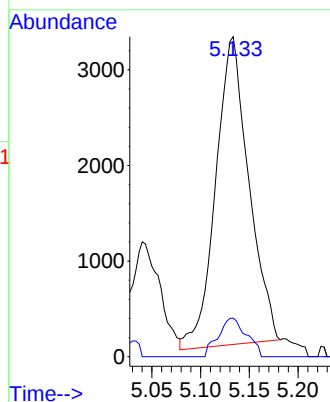
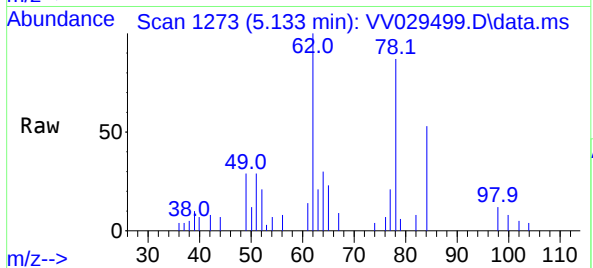




#27
1,2-Dichloroethane
Concen: 1.937 ug/L
RT: 5.133 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV029499.D
Acq: 09 Dec 2022 01:38

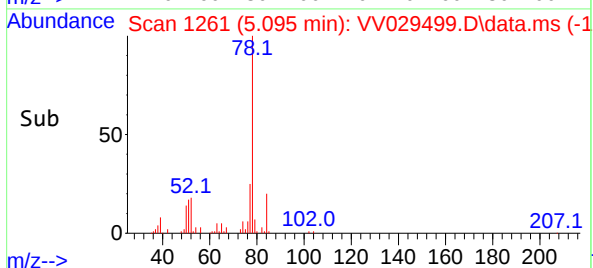
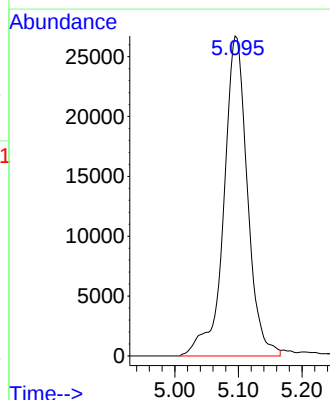
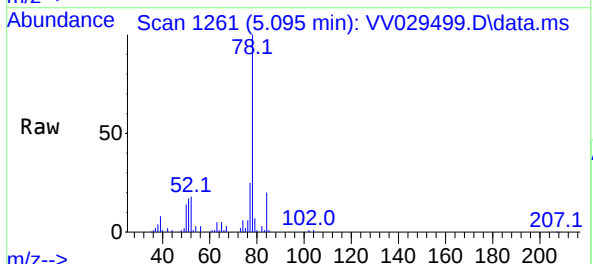
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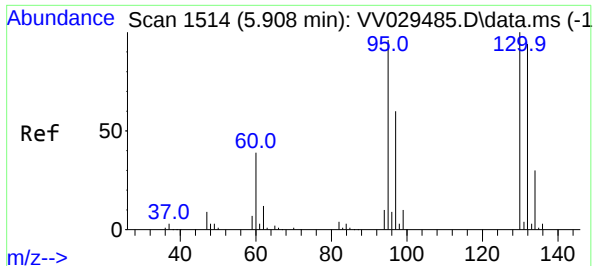
Tgt Ion: 62 Resp: 7614
Ion Ratio Lower Upper
62 100
98 12.1 9.4 14.0



#33
Benzene
Concen: 5.128 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VV029499.D
Acq: 09 Dec 2022 01:38

Tgt Ion: 78 Resp: 68866

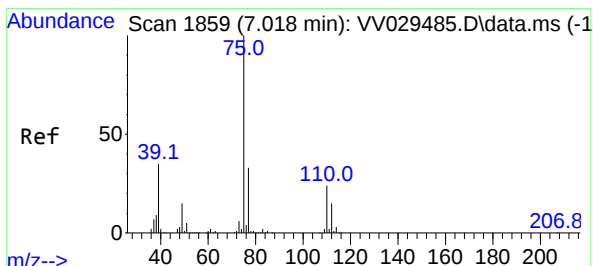
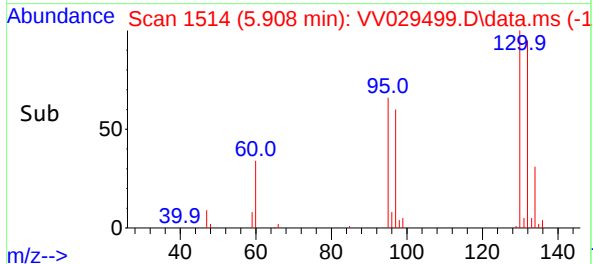
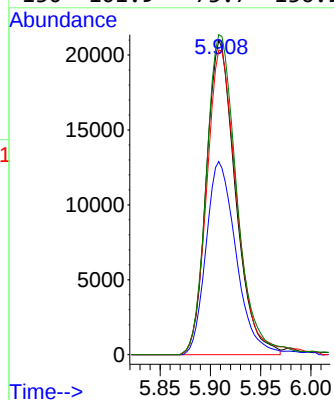
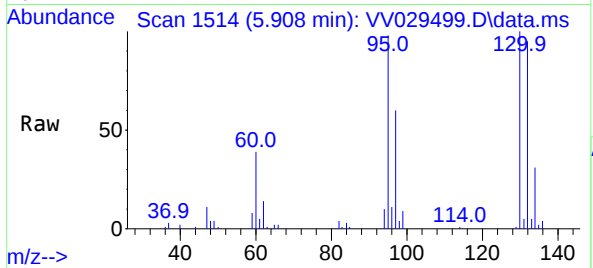




#34
Trichloroethene
Concen: 12.524 ug/L
RT: 5.908 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV029499.D
Acq: 09 Dec 2022 01:38

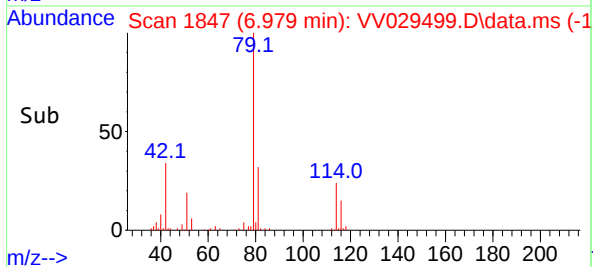
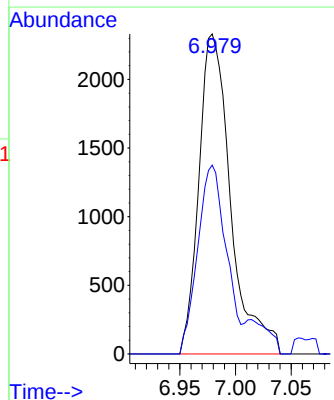
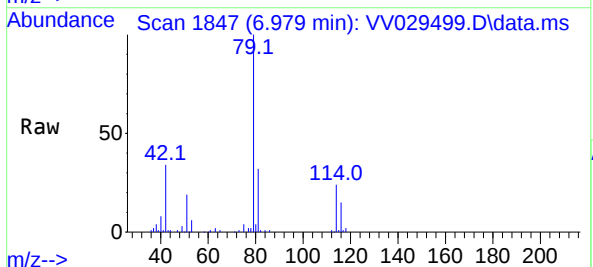
Instrument :
MSVOA_V
ClientSampleId :
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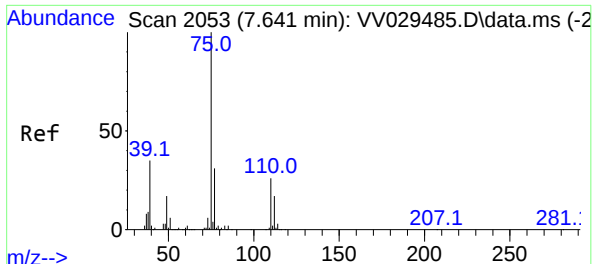
Tgt Ion: 95 Resp: 42143
Ion Ratio Lower Upper
95 100
97 61.5 44.0 81.8
132 97.0 69.9 129.9
130 101.9 73.7 136.9



#39
cis-1,3-Dichloropropene
Concen: 0.869 ug/L
RT: 6.979 min Scan# 1847
Delta R.T. -0.042 min
Lab File: VV029499.D
Acq: 09 Dec 2022 01:38

Tgt Ion: 75 Resp: 4634
Ion Ratio Lower Upper
75 100
77 59.0 21.9 40.7#

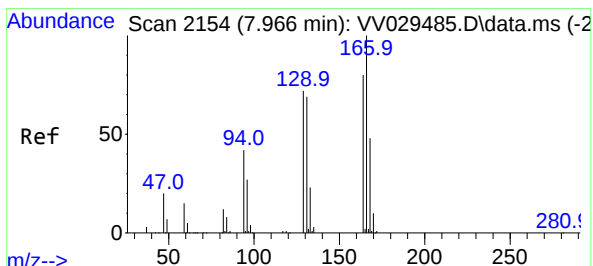
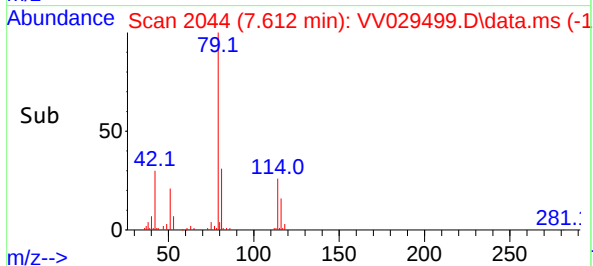
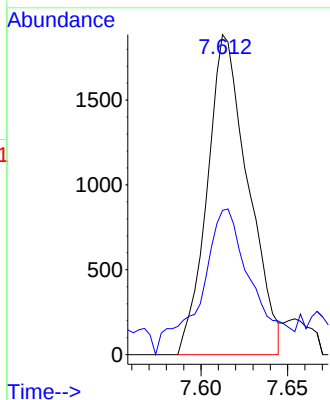
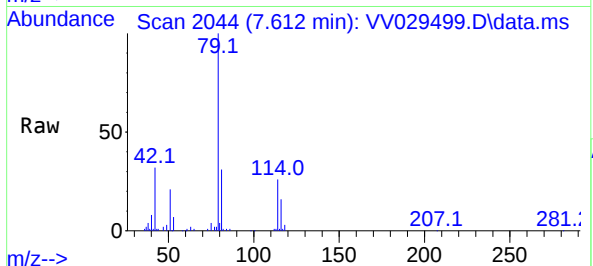




#44
trans-1,3-Dichloropropene
Concen: 0.613 ug/L
RT: 7.612 min Scan# 2044
Delta R.T. -0.032 min
Lab File: VV029499.D
Acq: 09 Dec 2022 01:38

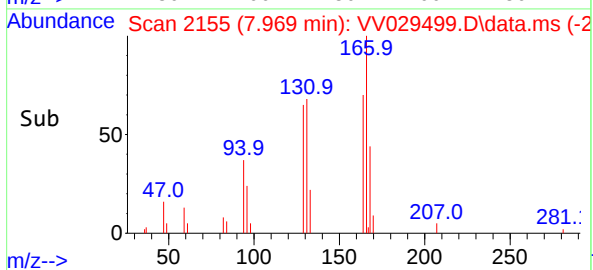
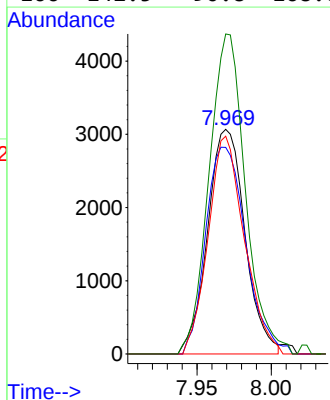
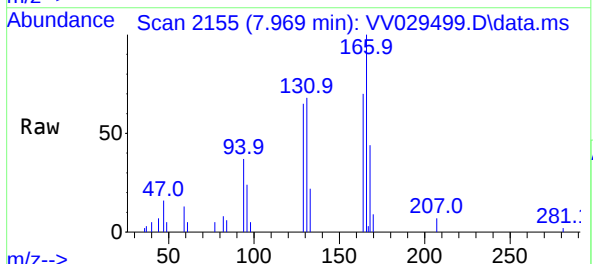
Instrument :
MSVOA_V
ClientSampleId :
F5N08

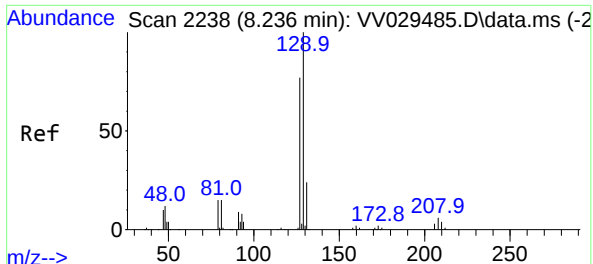
Tgt Ion: 75 Resp: 3097
Ion Ratio Lower Upper
75 100
77 45.1 22.3 41.5#



#46
Tetrachloroethene
Concen: 1.985 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VV029499.D
Acq: 09 Dec 2022 01:38

Tgt Ion:164 Resp: 5370
Ion Ratio Lower Upper
164 100
129 92.0 65.3 121.3
131 97.0 63.1 117.1
166 142.5 90.8 168.6





#49

Dibromochloromethane

Concen: 1.305 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.270 min

Lab File: VV029499.D

Acq: 09 Dec 2022 01:38

Instrument :

MSVOA_V

ClientSampleId :

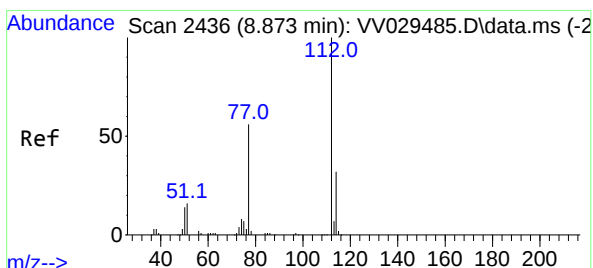
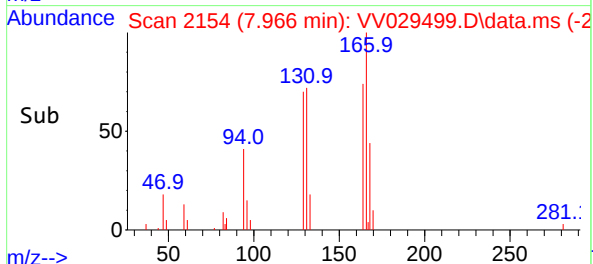
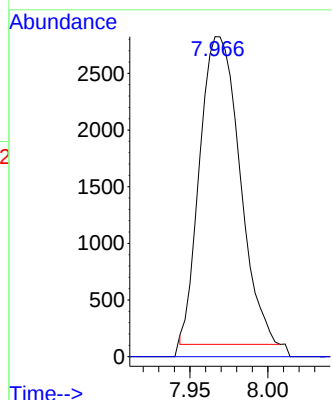
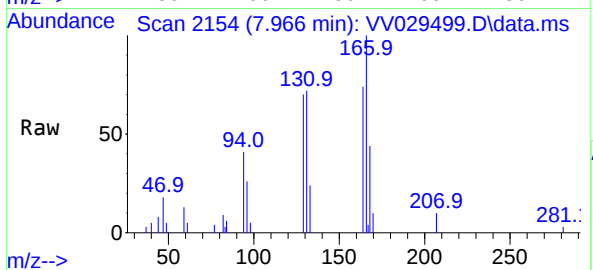
F5N08

Tgt Ion:129 Resp: 4826

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.4#



#51

Chlorobenzene

Concen: 394.285 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. -0.000 min

Lab File: VV029499.D

Acq: 09 Dec 2022 01:38

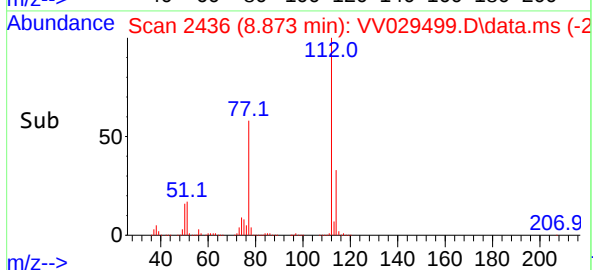
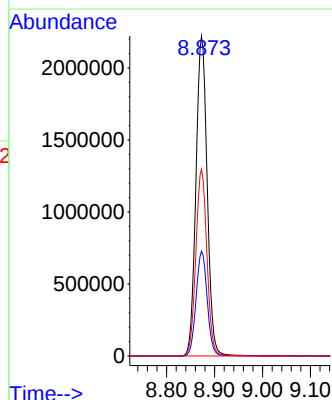
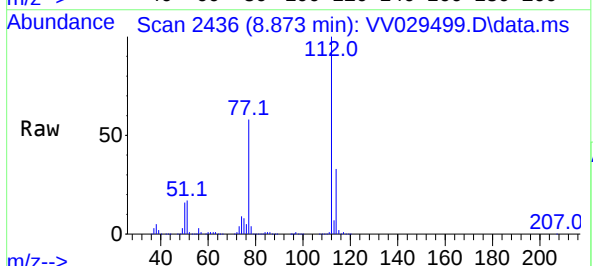
Tgt Ion:112 Resp: 3608753

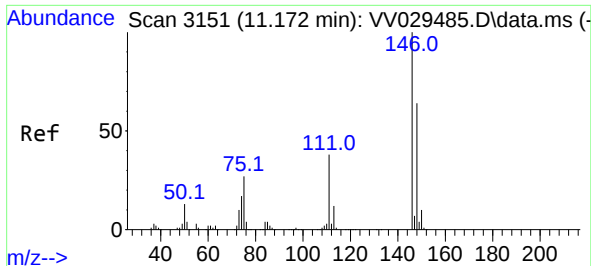
Ion Ratio Lower Upper

112 100

114 32.8 22.3 41.3

77 58.4 45.0 67.4

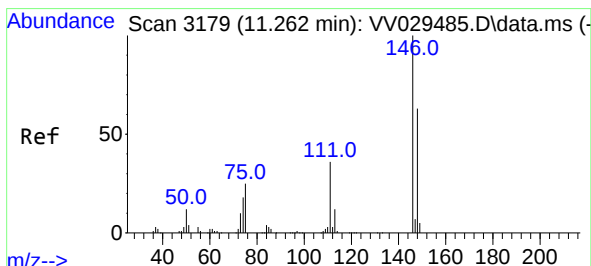
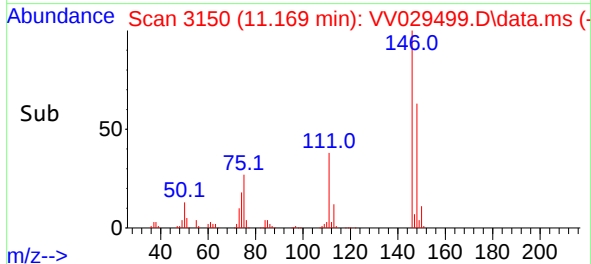
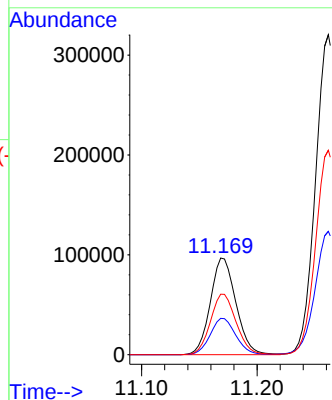
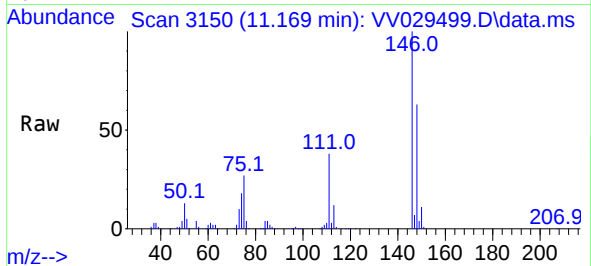




#64
1,3-Dichlorobenzene
Concen: 20.503 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029499.D
Acq: 09 Dec 2022 01:38

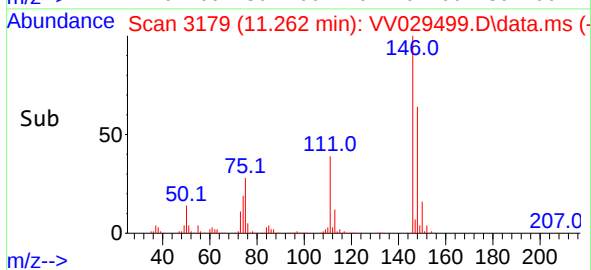
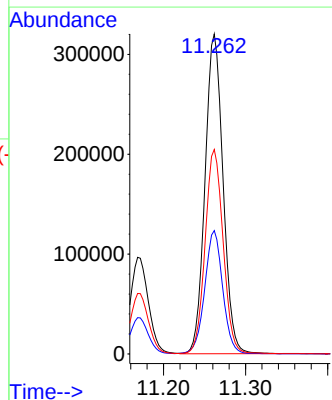
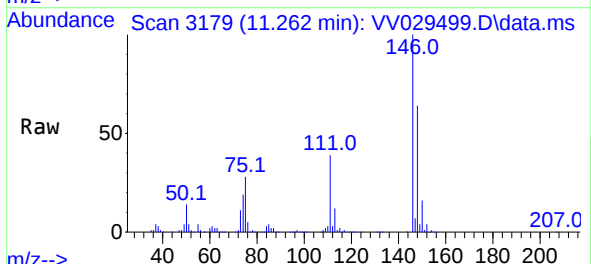
Instrument :
MSVOA_V
ClientSampleId :
F5N08

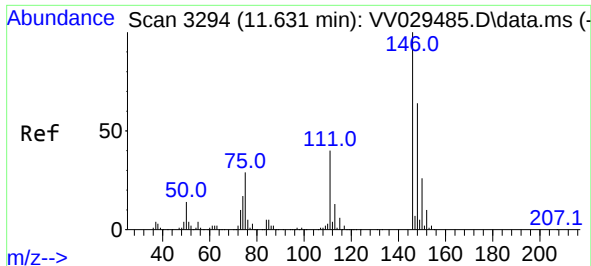
Tgt Ion:146 Resp: 148961
Ion Ratio Lower Upper
146 100
111 37.5 27.4 51.0
148 62.6 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 66.217 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029499.D
Acq: 09 Dec 2022 01:38

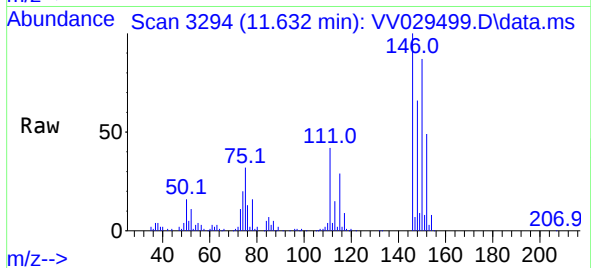
Tgt Ion:146 Resp: 488914
Ion Ratio Lower Upper
146 100
111 38.5 26.2 48.8
148 63.9 44.7 83.1





#67
1,2-Dichlorobenzene
Concen: 12.157 ug/L
RT: 11.632 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029499.D
Acq: 09 Dec 2022 01:38

Instrument :
MSVOA_V
ClientSampleId :
F5N08



Tgt Ion:146 Resp: 90321

Ion	Ratio	Lower	Upper
146	100		
111	42.2	32.0	48.0
148	65.9	50.6	76.0

