

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VW029328.D
 Acq On : 24 Nov 2022 05:38
 Operator : SY/MD
 Sample : N5694-06DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 25 00:23:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 04:08:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	250337	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	221033	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	114456	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	89164	5.788	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.800%
7) Chloroethane-d5	1.565	69	69283	6.144	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.800%
11) 1,1-Dichloroethene-d2	2.105	63	112029	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	3.899	46	162211	62.941	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.880%
24) Chloroform-d	4.339	84	158842	5.776	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.600%
26) 1,2-Dichloroethane-d4	5.027	65	72944	6.029	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.600%
32) Benzene-d6	5.043	84	351736	5.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.200%
36) 1,2-Dichloropropane-d6	6.063	67	100560	5.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.200%
41) Toluene-d8	7.307	98	322403	5.592	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.800%
43) trans-1,3-Dichloroprop...	7.616	79	35561	5.373	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.400%
46) 2-Hexanone-d5	8.085	63	137767	58.399	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.800%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	64190	6.060	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.200%#
66) 1,2-Dichlorobenzene-d4	11.612	152	120705	6.037	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.217	85	3072	0.164	ug/L	97
3) Chloromethane	1.240	50	1397	0.082	ug/L	96
5) Vinyl chloride	1.311	62	15881	0.931	ug/L	91
12) 1,1-Dichloroethene	2.114	96	12033	0.935	ug/L #	1
16) Methylene chloride	2.503	84	7490	0.381	ug/L	97
17) Methyl tert-butyl Ether	2.764	73	1103	0.034	ug/L #	68
18) trans-1,2-Dichloroethene	2.764	96	695	0.047	ug/L #	67
19) 1,1-Dichloroethane	3.185	63	83943	3.157	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	162971	9.644	ug/L	96
27) 1,2-Dichloroethane	5.137	62	2902	0.193	ug/L #	82
29) 1,1,1-Trichloroethane	4.603	97	23734	0.934	ug/L	98
31) Carbon tetrachloride	4.603	117	3232	0.150	ug/L	99
33) Benzene	5.095	78	86514	1.309	ug/L	100
34) Trichloroethene	5.908	95	38400	2.277	ug/L	99
35) Methylcyclohexane	6.063	83	24245	0.852	ug/L #	21
37) 1,2-Dichloropropane	6.059	63	10910	0.701	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	2490	0.109	ug/L #	73
44) trans-1,3-Dichloropropene	7.619	75	1643	0.091	ug/L #	76
45) 1,1,2-Trichloroethane	7.693	97	1978	0.188	ug/L #	15

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

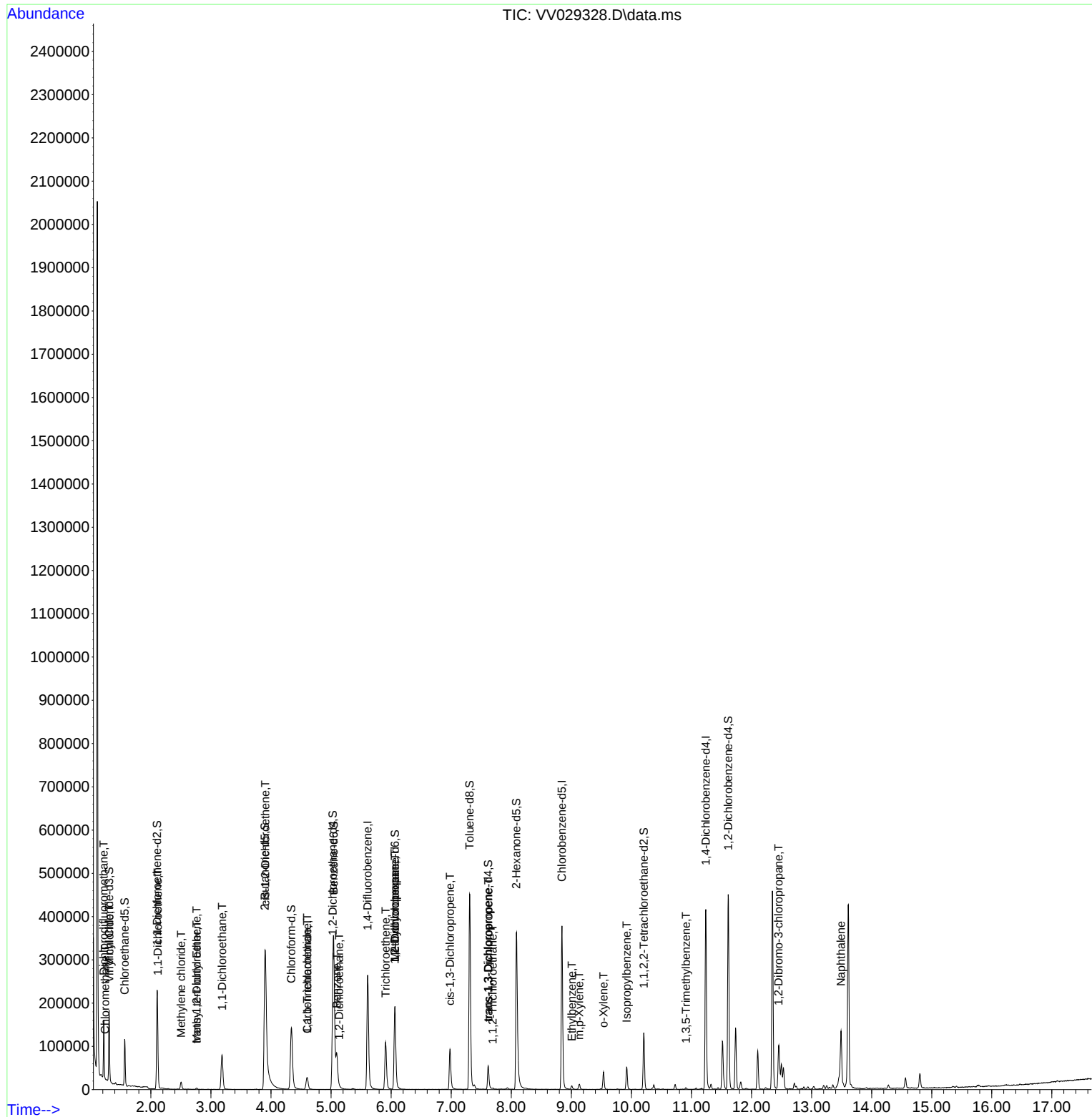
52) Ethylbenzene	9.008	91	6321	0.085	ug/L	95
53) m,p-Xylene	9.133	106	3573	0.122	ug/L	97
54) o-Xylene	9.535	106	11086	0.387	ug/L	91
60) Isopropylbenzene	9.921	105	33893	0.458	ug/L	97
62) 1,3,5-Trimethylbenzene	10.908	105	2312	0.036	ug/L	87
68) 1,2-Dibromo-3-chloropr...	12.448	75	2316	1.486	ug/L #	1
71) Naphthalene	13.490	128	131917	6.612	ug/L	99

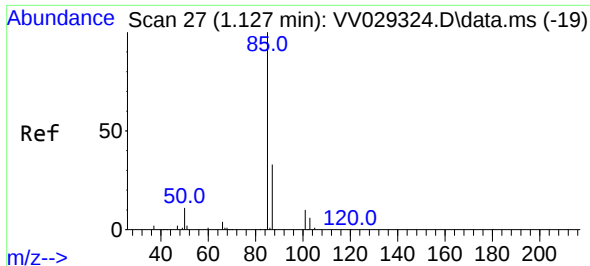
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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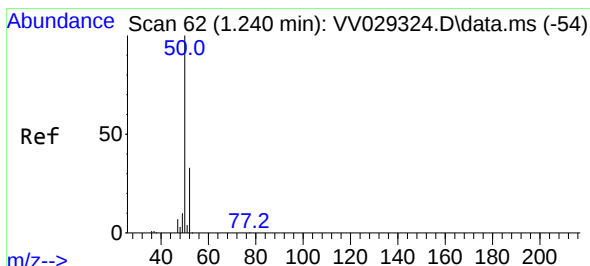
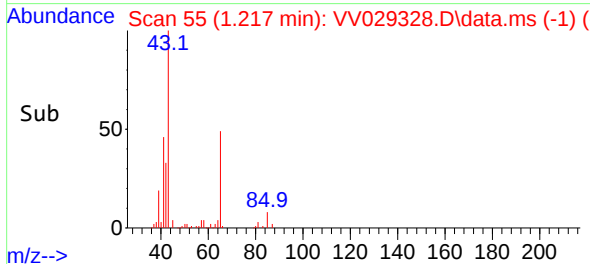
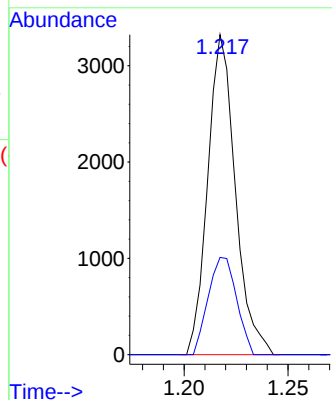
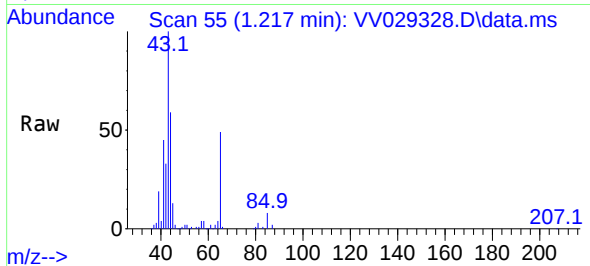




#2
 Dichlorodifluoromethane
 Concen: 0.164 ug/L
 RT: 1.217 min Scan# 51
 Delta R.T. 0.090 min
 Lab File: VV029328.D
 Acq: 24 Nov 2022 05:38

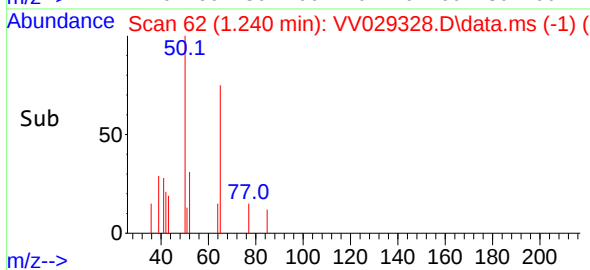
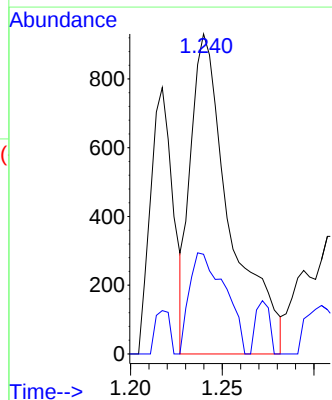
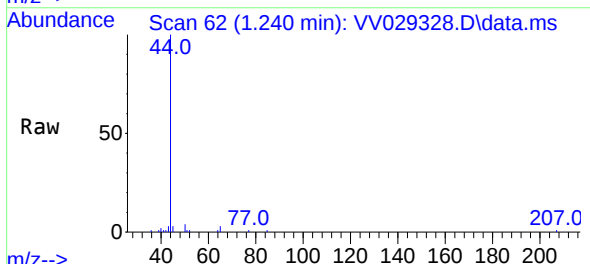
Instrument :
 MSVOA_V
 ClientSampleId :

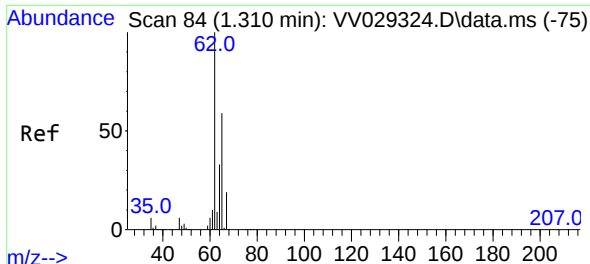
Tgt Ion: 85 Resp: 3072
 Ion Ratio Lower Upper
 85 100
 87 31.1 26.2 39.4



#3
 Chloromethane
 Concen: 0.082 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029328.D
 Acq: 24 Nov 2022 05:38

Tgt Ion: 50 Resp: 1397
 Ion Ratio Lower Upper
 50 100
 52 31.1 23.2 43.2

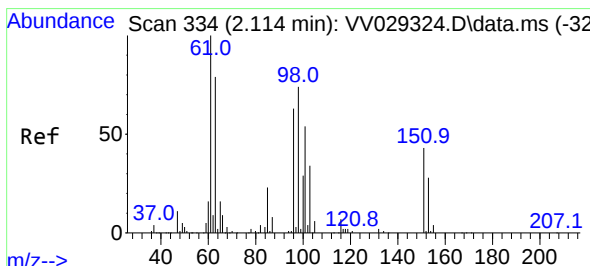
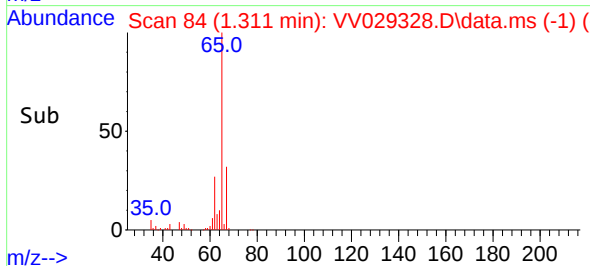
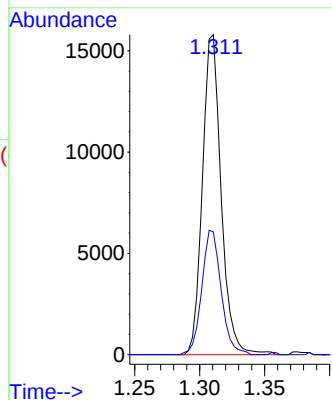
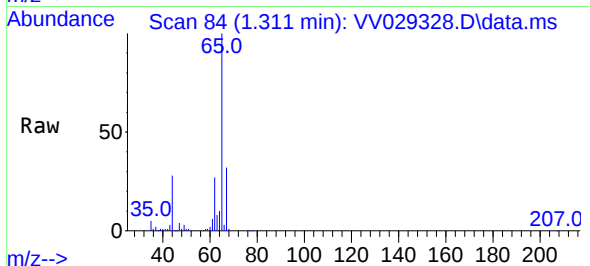




#5
 Vinyl chloride
 Concen: 0.931 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029328.D
 Acq: 24 Nov 2022 05:38

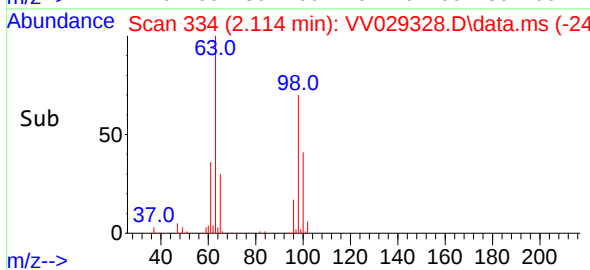
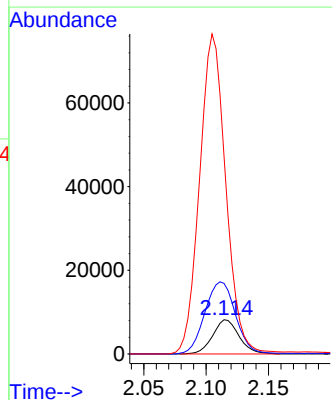
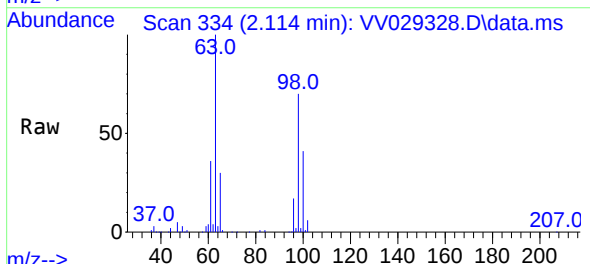
Instrument :
 MSVOA_V
 ClientSampleId :

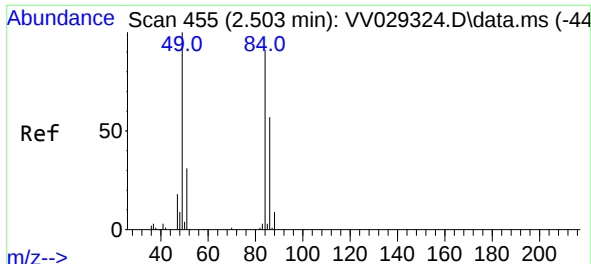
Tgt Ion: 62 Resp: 15881
 Ion Ratio Lower Upper
 62 100
 64 38.4 23.4 43.4



#12
 1,1-Dichloroethene
 Concen: 0.935 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029328.D
 Acq: 24 Nov 2022 05:38

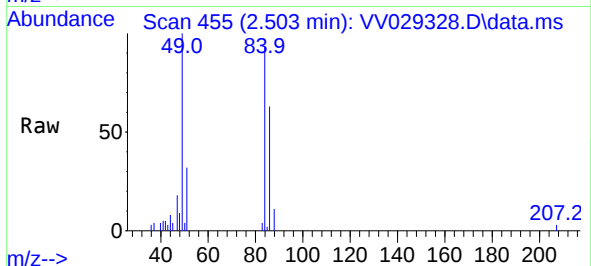
Tgt Ion: 96 Resp: 12033
 Ion Ratio Lower Upper
 96 100
 61 206.2 110.3 204.9#
 63 577.1 84.4 156.8#





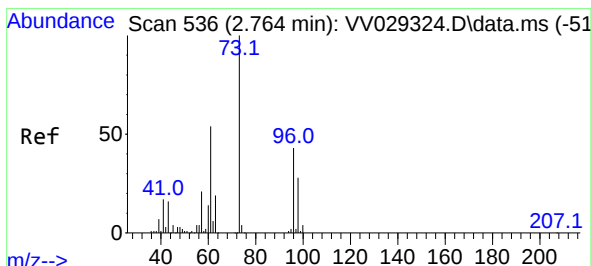
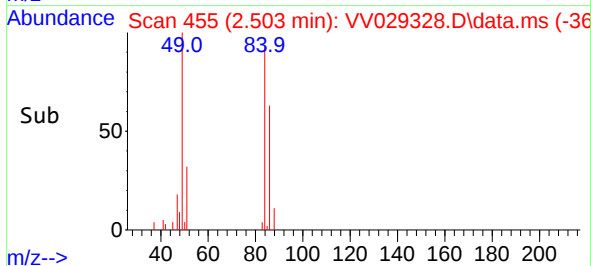
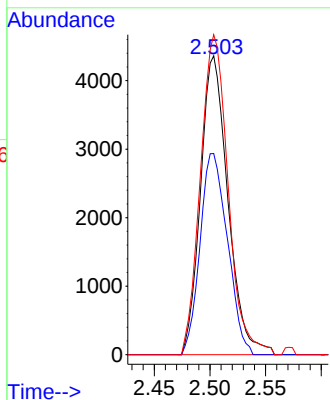
#16
Methylene chloride
Concen: 0.381 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 7490

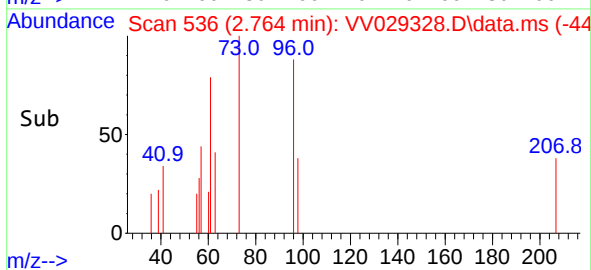
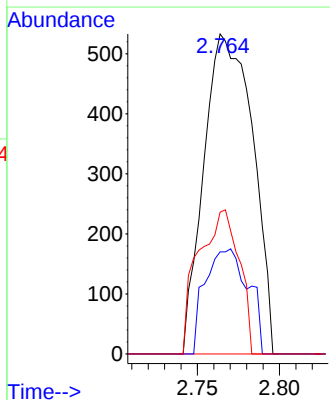
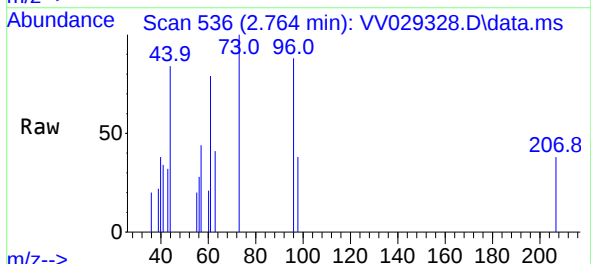
Ion	Ratio	Lower	Upper
84	100		
86	67.3	45.6	84.6
49	107.1	77.8	144.4

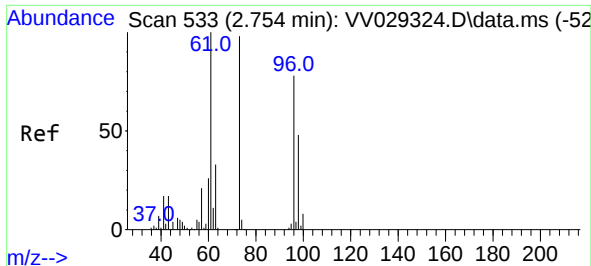


#17
Methyl tert-butyl Ether
Concen: 0.034 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

Tgt Ion: 73 Resp: 1103

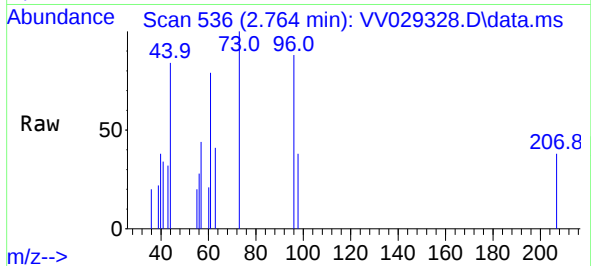
Ion	Ratio	Lower	Upper
73	100		
43	28.7	13.2	19.8#
57	37.4	16.9	25.3#



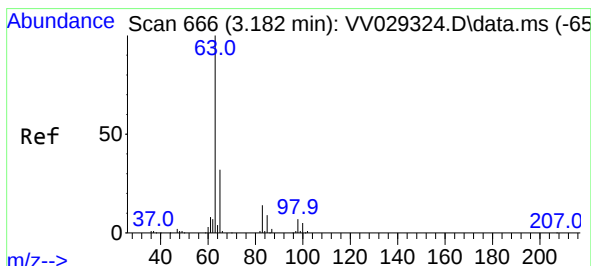
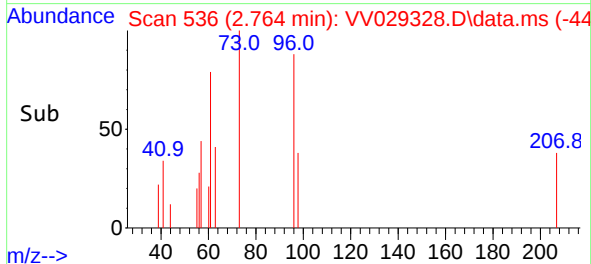
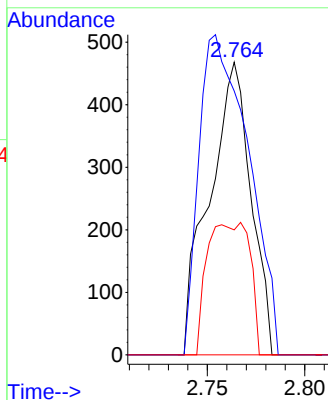


#18
trans-1,2-Dichloroethene
Concen: 0.047 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

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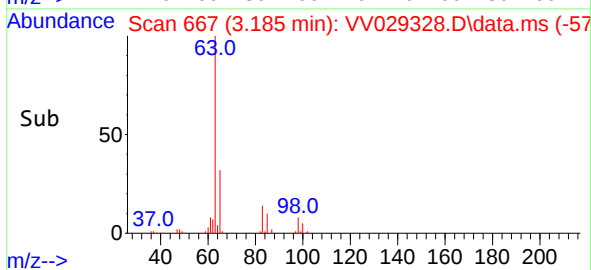
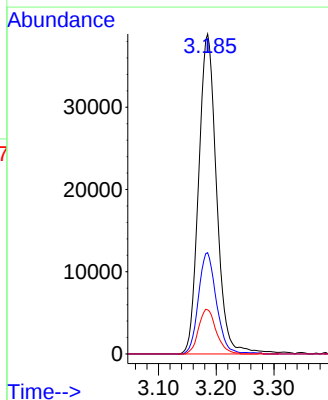
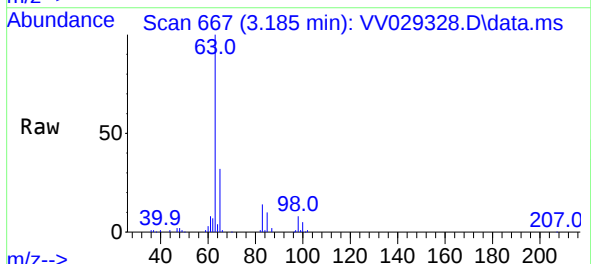


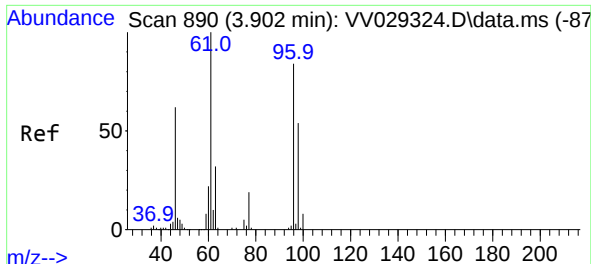
Tgt Ion: 96 Resp: 695
Ion Ratio Lower Upper
96 100
61 90.2 93.0 172.6#
98 42.7 44.0 81.8#



#19
1,1-Dichloroethane
Concen: 3.157 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

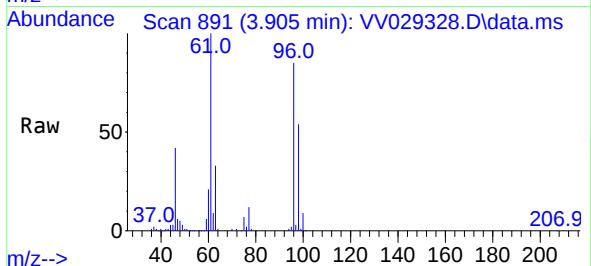
Tgt Ion: 63 Resp: 83943
Ion Ratio Lower Upper
63 100
65 31.7 21.6 40.2
83 13.8 10.3 19.1



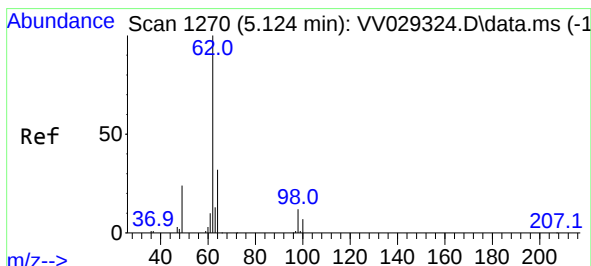
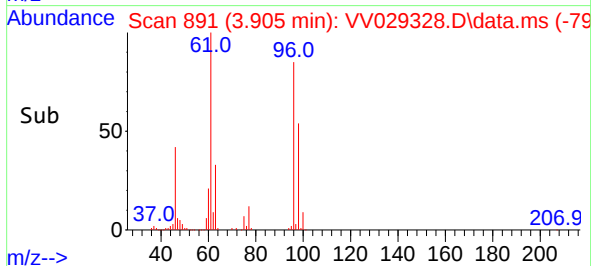
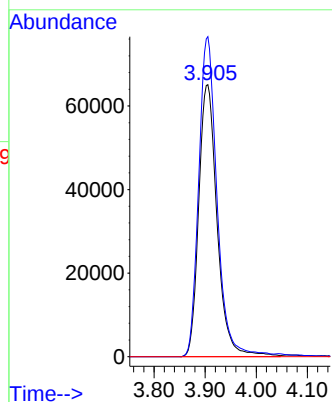


#22
 cis-1,2-Dichloroethene
 Concen: 9.644 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. 0.003 min
 Lab File: VV029328.D
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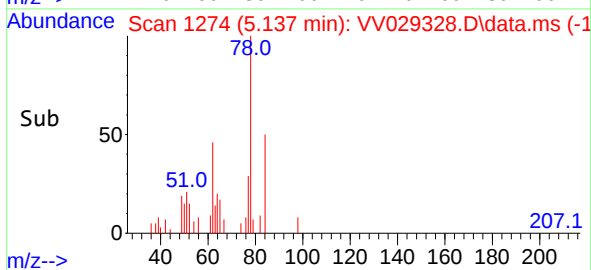
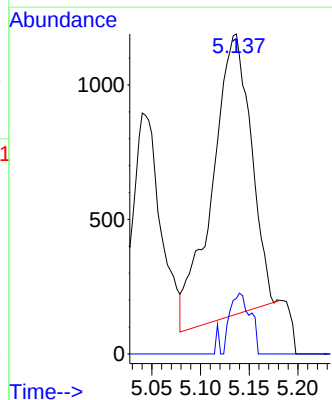
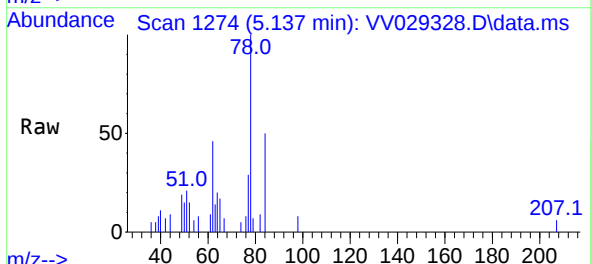


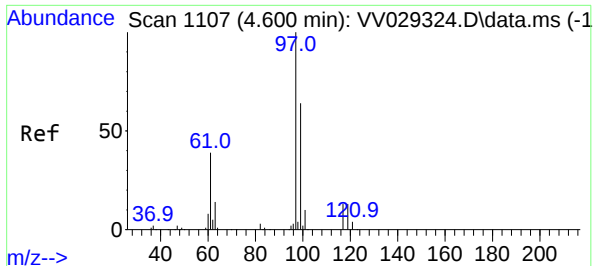
Tgt Ion: 96 Resp: 162971
 Ion Ratio Lower Upper
 96 100
 61 117.6 85.8 159.3
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.193 ug/L
 RT: 5.137 min Scan# 1274
 Delta R.T. 0.013 min
 Lab File: VV029328.D
 Acq: 24 Nov 2022 05:38

Tgt Ion: 62 Resp: 2902
 Ion Ratio Lower Upper
 62 100
 98 17.3 8.4 12.6#





#29

1,1,1-Trichloroethane

Concen: 0.934 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV029328.D

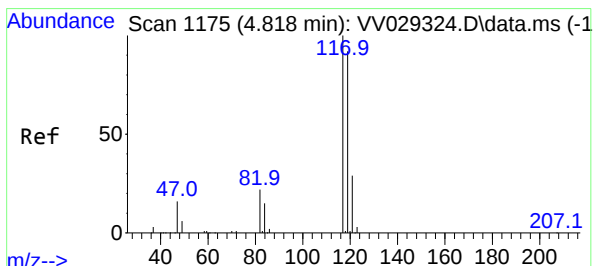
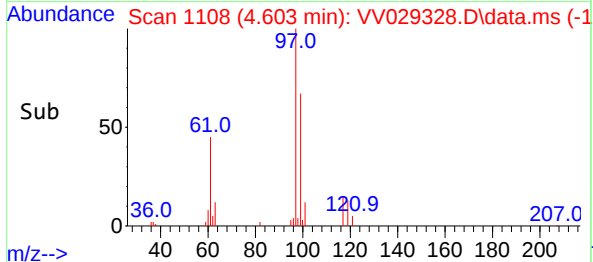
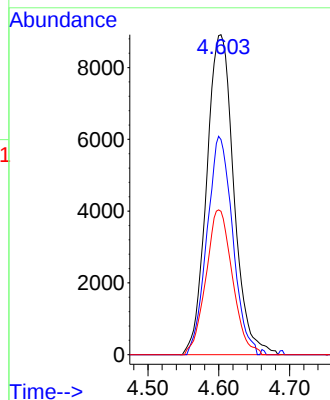
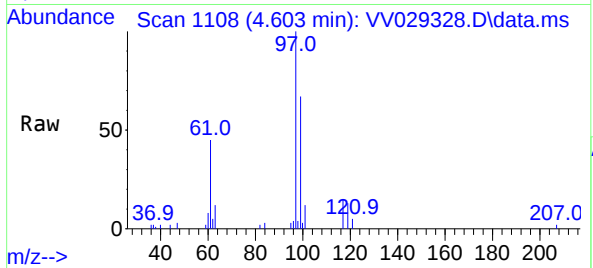
Acq: 24 Nov 2022 05:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	97	Resp:	23734
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	44.1	33.3	49.9



#31

Carbon tetrachloride

Concen: 0.150 ug/L

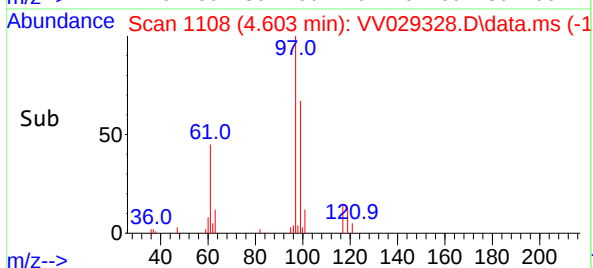
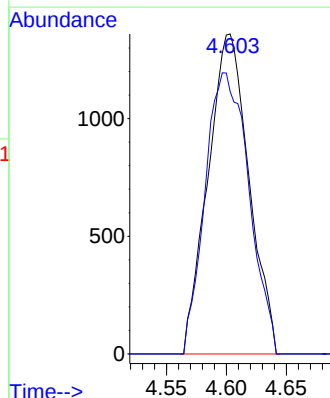
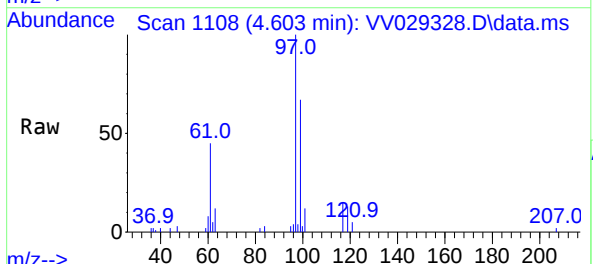
RT: 4.603 min Scan# 1108

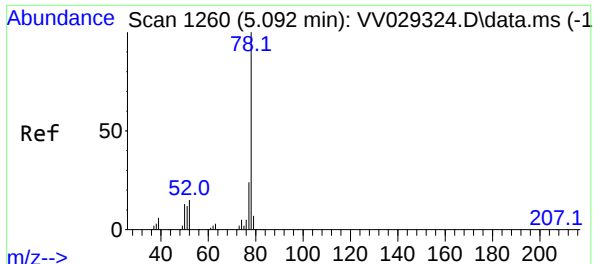
Delta R.T. -0.215 min

Lab File: VV029328.D

Acq: 24 Nov 2022 05:38

Tgt Ion:	117	Resp:	3232
Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5





#33

Benzene

Concen: 1.309 ug/L

RT: 5.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029328.D

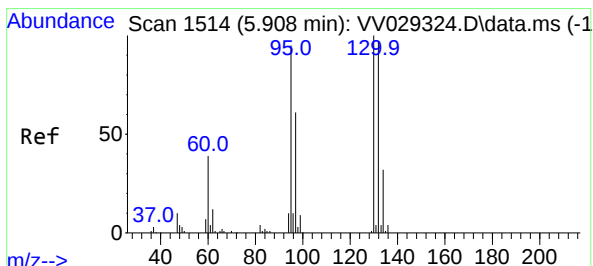
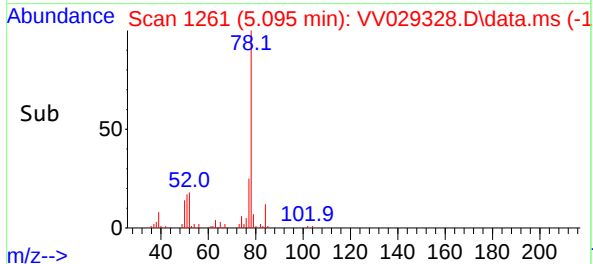
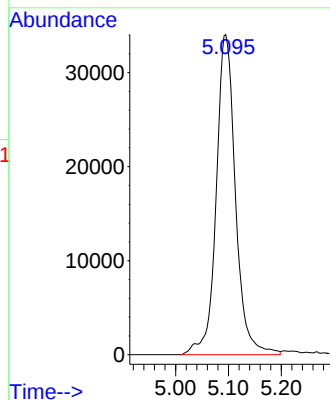
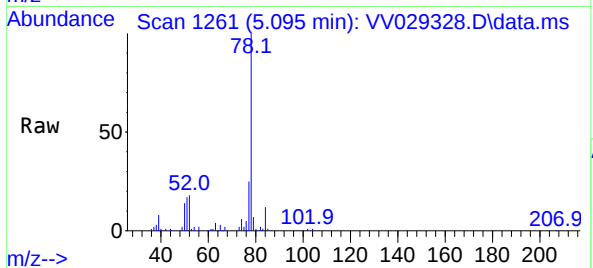
Acq: 24 Nov 2022 05:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 86514



#34

Trichloroethene

Concen: 2.277 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VV029328.D

Acq: 24 Nov 2022 05:38

Tgt Ion: 95 Resp: 38400

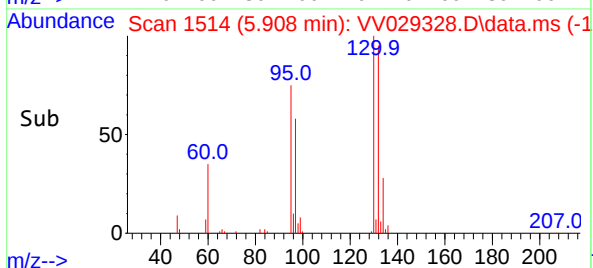
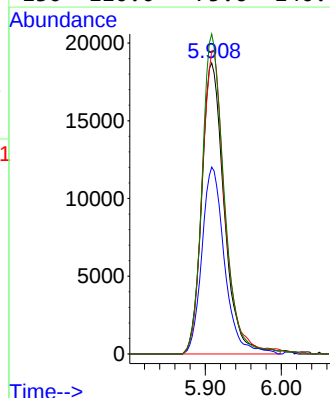
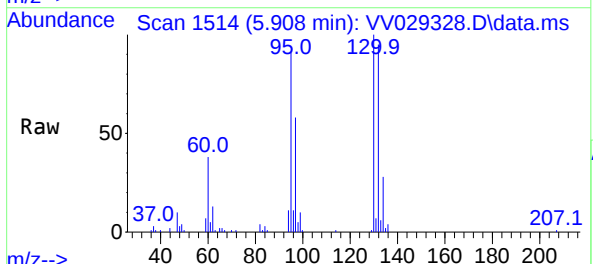
Ion Ratio Lower Upper

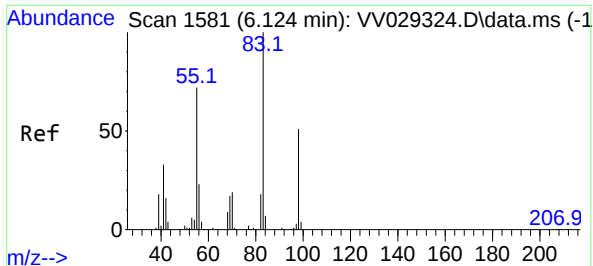
95 100

97 64.2 45.4 84.4

132 104.1 73.3 136.1

130 110.0 75.6 140.4





#35

Methylcyclohexane

Concen: 0.852 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.061 min

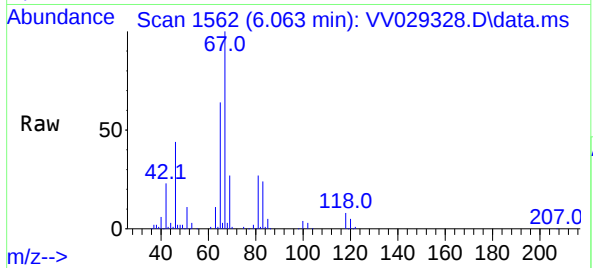
Lab File: VV029328.D

Acq: 24 Nov 2022 05:38

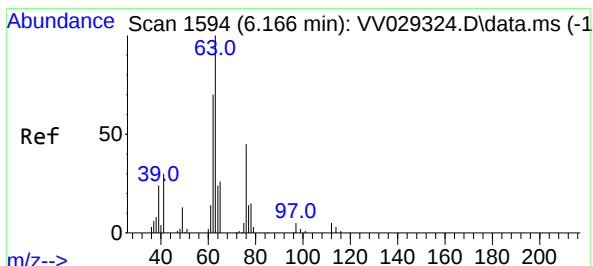
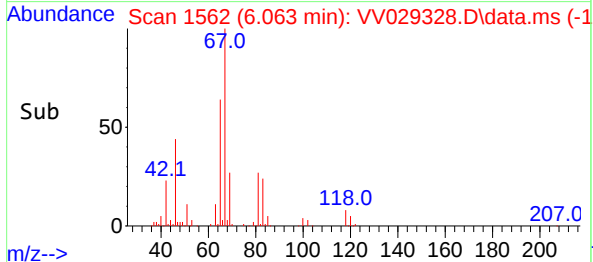
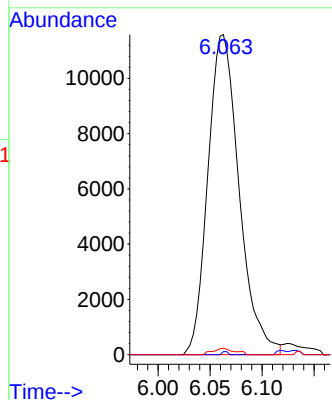
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	83	Resp:	24245
Ion	Ratio	Lower	Upper
83	100		
55	0.2	55.4	83.2#
98	1.4	39.4	59.2#



#37

1,2-Dichloropropane

Concen: 0.701 ug/L

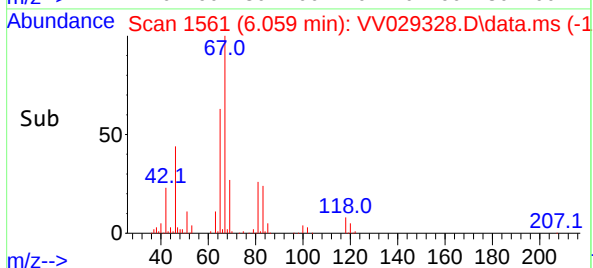
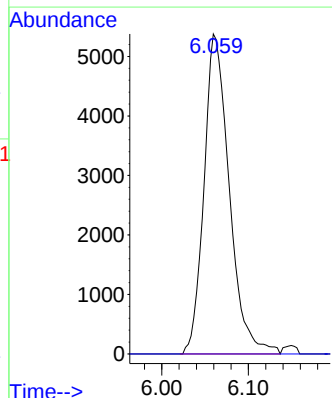
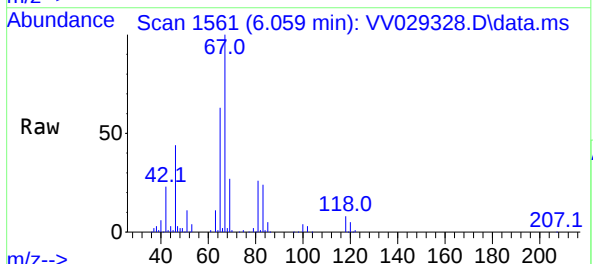
RT: 6.059 min Scan# 1561

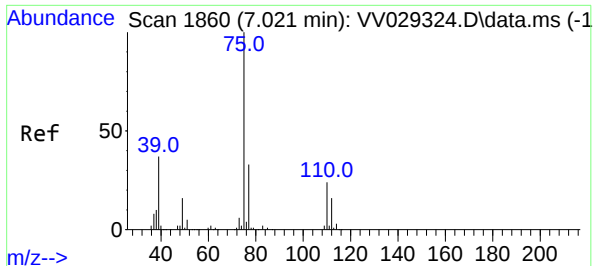
Delta R.T. -0.106 min

Lab File: VV029328.D

Acq: 24 Nov 2022 05:38

Tgt Ion:	63	Resp:	10910
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.1	6.1#





#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV029328.D

Acq: 24 Nov 2022 05:38

Instrument :

MSVOA_V

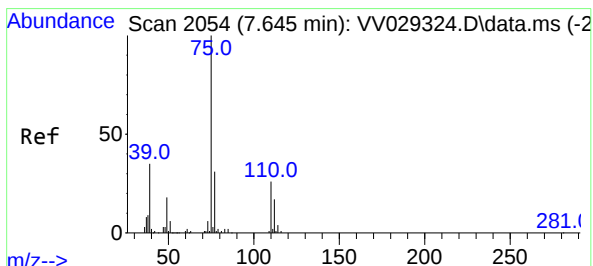
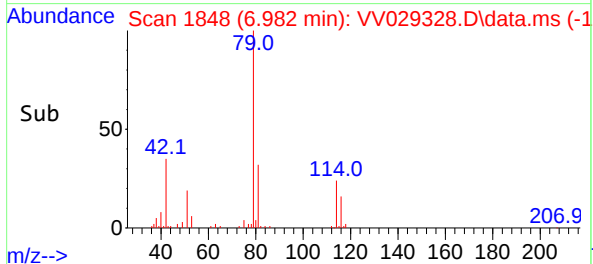
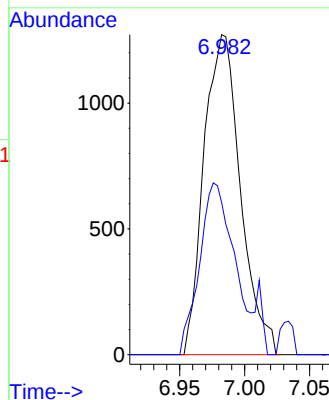
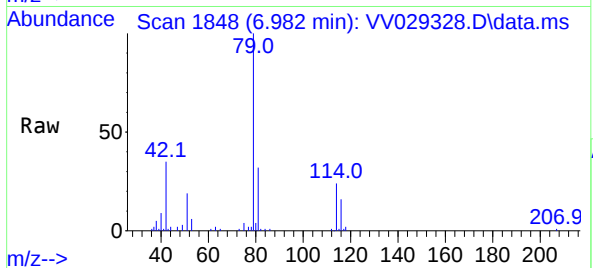
ClientSampleId :

Tgt Ion: 75 Resp: 2490

Ion Ratio Lower Upper

75 100

77 47.6 22.7 42.3#



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.619 min Scan# 2046

Delta R.T. -0.026 min

Lab File: VV029328.D

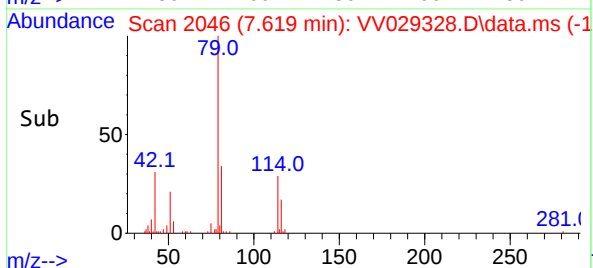
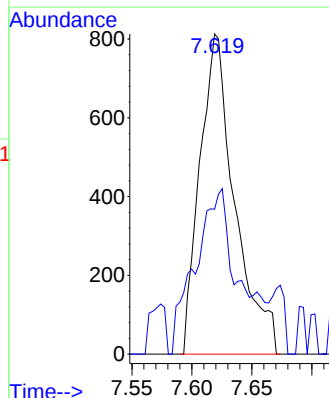
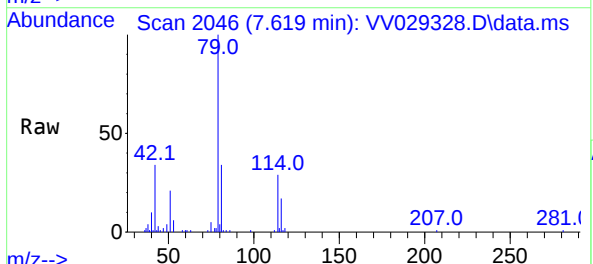
Acq: 24 Nov 2022 05:38

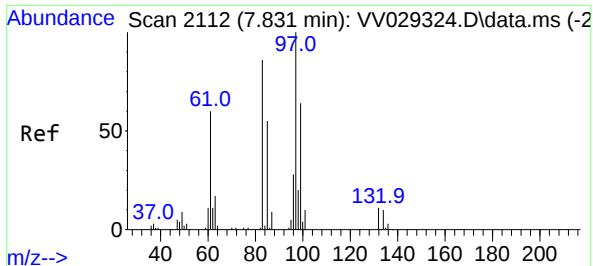
Tgt Ion: 75 Resp: 1643

Ion Ratio Lower Upper

75 100

77 45.3 22.4 41.6#





#45

1,1,2-Trichloroethane

Concen: 0.188 ug/L

RT: 7.693 min Scan# 2069

Delta R.T. -0.138 min

Lab File: VV029328.D

Acq: 24 Nov 2022 05:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 1978

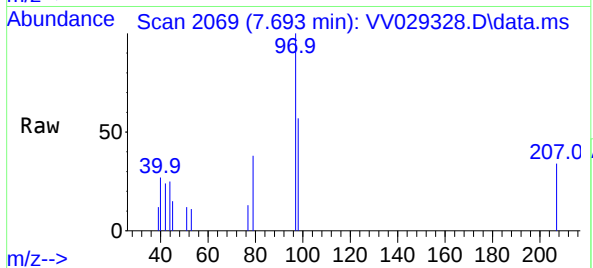
Ion Ratio Lower Upper

97 100

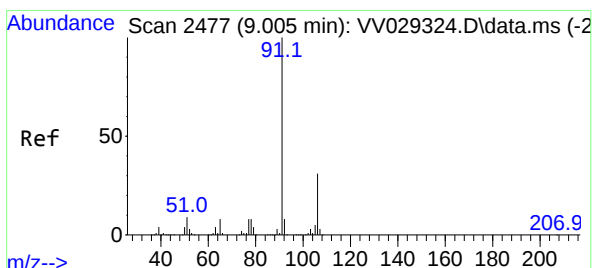
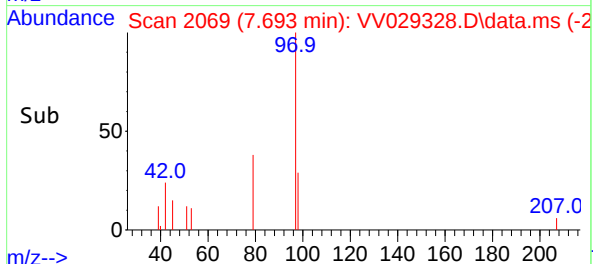
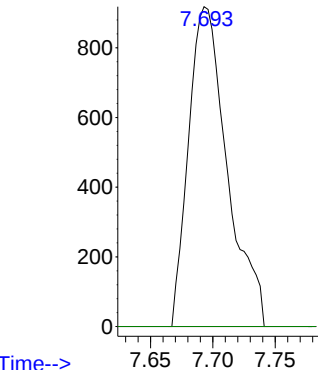
99 0.0 44.4 82.5#

83 0.0 59.5 110.5#

85 0.0 39.3 73.1#



Abundance



#52

Ethylbenzene

Concen: 0.085 ug/L

RT: 9.008 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV029328.D

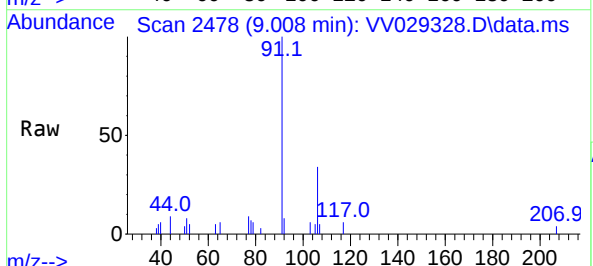
Acq: 24 Nov 2022 05:38

Tgt Ion: 91 Resp: 6321

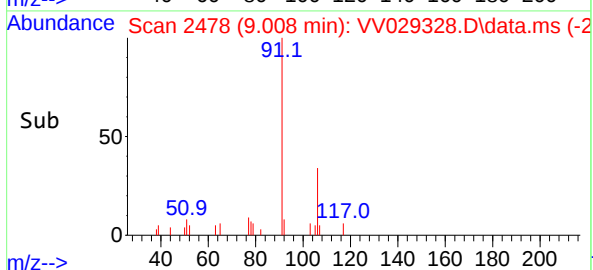
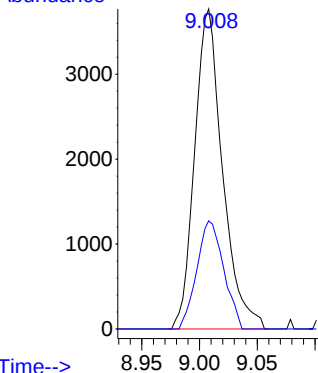
Ion Ratio Lower Upper

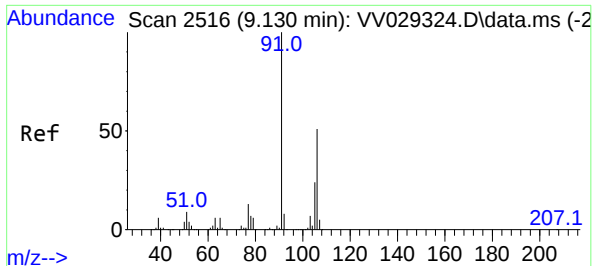
91 100

106 33.8 21.9 40.7



Abundance

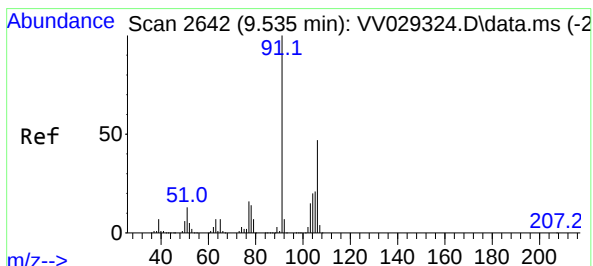
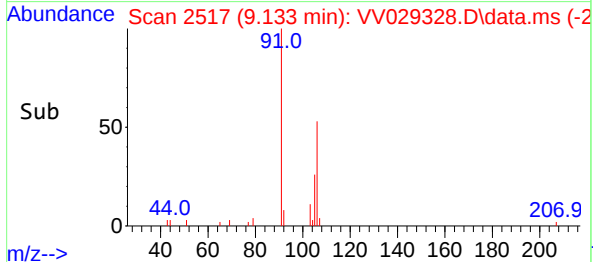
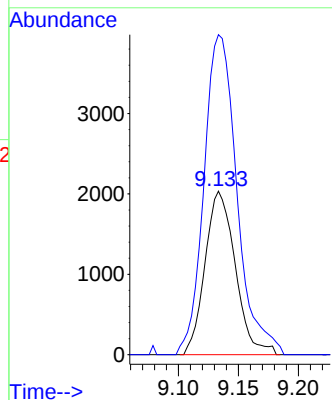
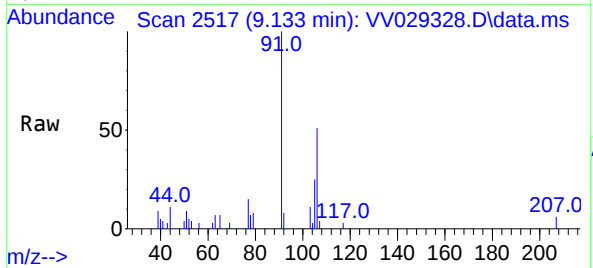




#53
m,p-Xylene
Concen: 0.122 ug/L
RT: 9.133 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

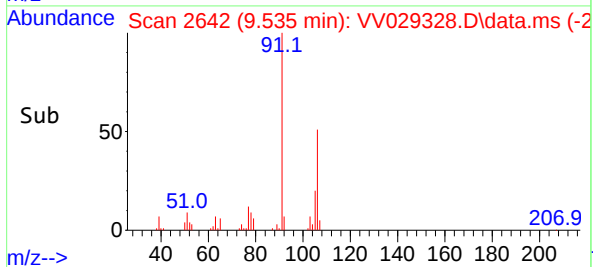
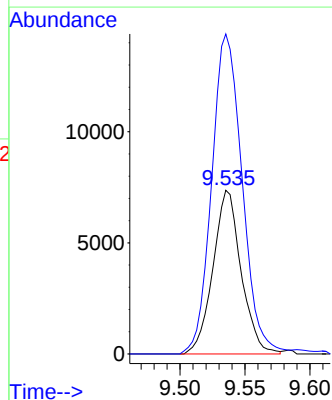
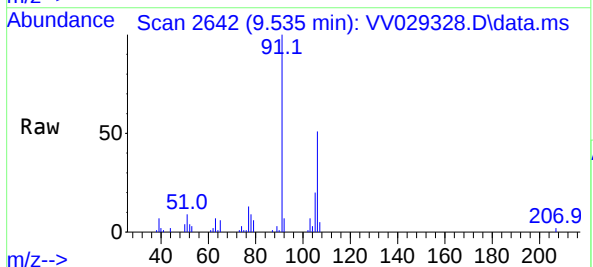
Instrument :
MSVOA_V
ClientSampleId :

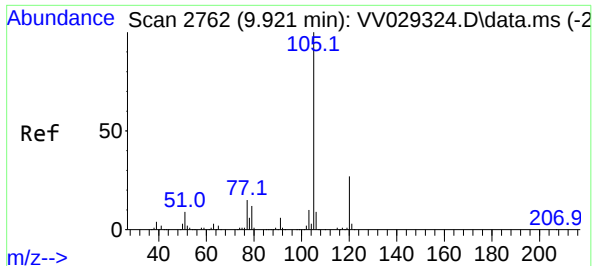
Tgt Ion:106 Resp: 3573
Ion Ratio Lower Upper
106 100
91 195.7 140.6 261.2



#54
o-Xylene
Concen: 0.387 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

Tgt Ion:106 Resp: 11086
Ion Ratio Lower Upper
106 100
91 195.5 146.9 272.9

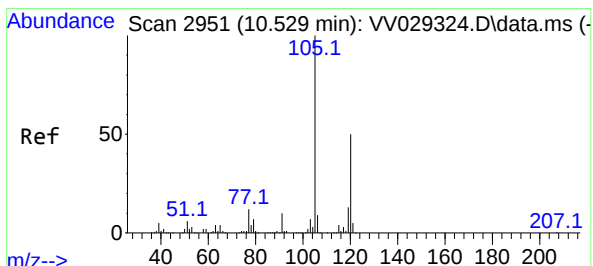
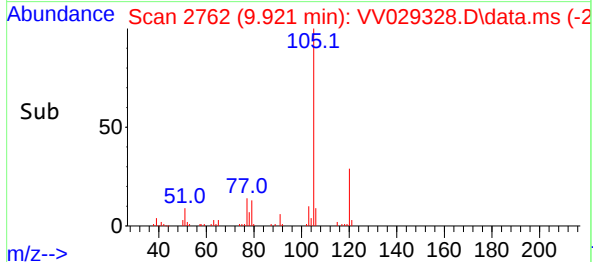
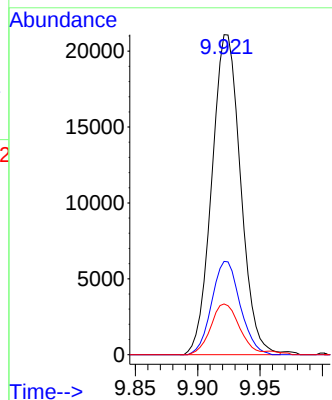
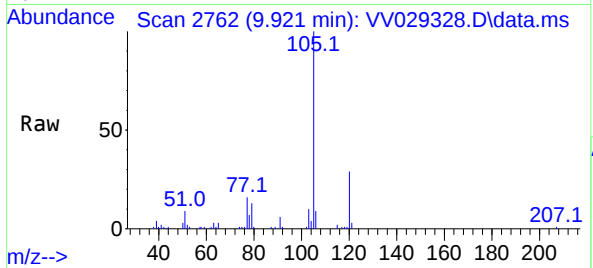




#60
Isopropylbenzene
Concen: 0.458 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

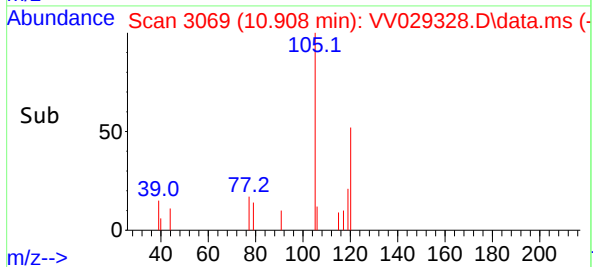
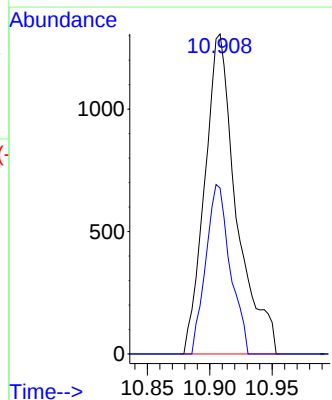
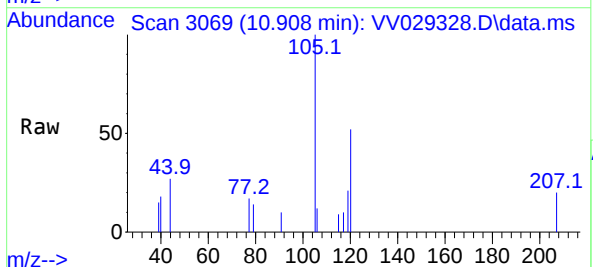
Instrument :
MSVOA_V
ClientSampleId :

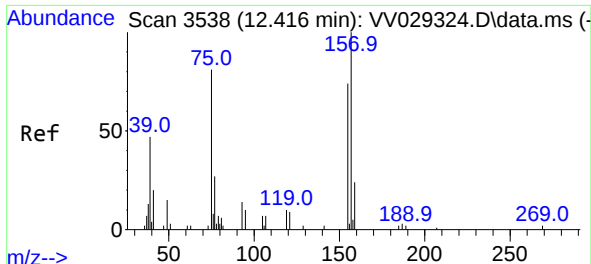
Tgt Ion:105 Resp: 33893
Ion Ratio Lower Upper
105 100
120 28.9 21.4 32.2
77 15.9 11.8 17.8



#62
1,3,5-Trimethylbenzene
Concen: 0.036 ug/L
RT: 10.908 min Scan# 3069
Delta R.T. 0.379 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

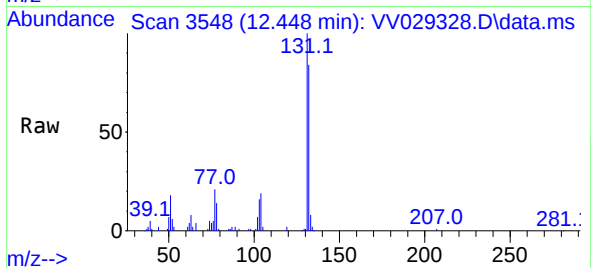
Tgt Ion:105 Resp: 2312
Ion Ratio Lower Upper
105 100
120 40.7 39.6 59.4



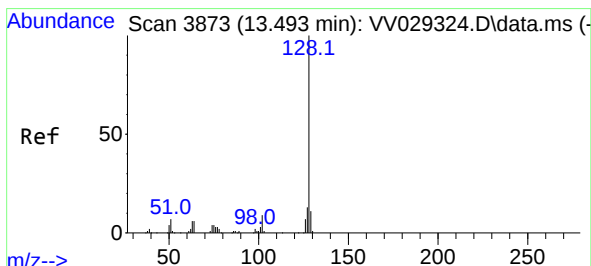
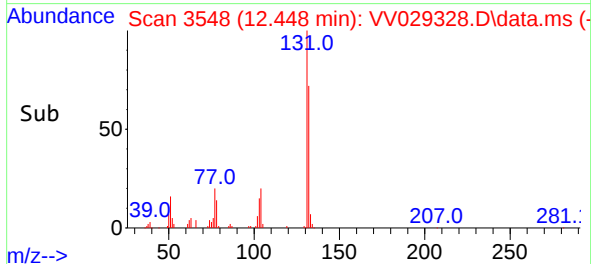
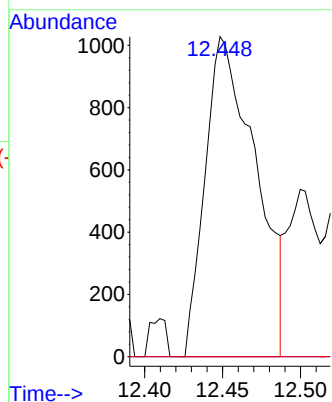


#68
1,2-Dibromo-3-chloropropane
Concen: 1.486 ug/L
RT: 12.448 min Scan# 3548
Delta R.T. 0.032 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 75 Resp: 2316
Ion Ratio Lower Upper
75 100
155 0.0 76.6 115.0#
157 0.0 96.9 145.3#



#71
Naphthalene
Concen: 6.612 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. -0.003 min
Lab File: VV029328.D
Acq: 24 Nov 2022 05:38

Tgt Ion: 128 Resp: 131917
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 13.1 10.6 15.8

