

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112322\
 Data File : VW029327.D
 Acq On : 24 Nov 2022 05:14
 Operator : SY/MD
 Sample : N5694-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 25 00:23:02 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	254004	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	218510	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	107999	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	94346	6.036	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.800%
7) Chloroethane-d5	1.564	69	70736	6.182	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.600%
11) 1,1-Dichloroethene-d2	2.105	63	116858	4.672	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	3.883	46	166677	63.740	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.480%
24) Chloroform-d	4.339	84	162973	5.841	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.800%
26) 1,2-Dichloroethane-d4	5.024	65	76777	6.254	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	125.000%
32) Benzene-d6	5.043	84	367507	6.085	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.800%
36) 1,2-Dichloropropane-d6	6.063	67	104727	6.171	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	123.400%
41) Toluene-d8	7.310	98	321448	5.639	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.800%
43) trans-1,3-Dichloroprop...	7.616	79	35985	5.500	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.000%
46) 2-Hexanone-d5	8.085	63	136582	58.565	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.140%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	66685	6.368	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	127.400%#
66) 1,2-Dichlorobenzene-d4	11.612	152	115806	6.138	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.800%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	1737	0.100	ug/L	84
5) Vinyl chloride	1.310	62	170065	9.829	ug/L	98
8) Chloroethane	1.310	64	55524	5.399	ug/L #	47
12) 1,1-Dichloroethene	2.117	96	19201	1.470	ug/L #	17
13) Acetone	2.178	43	8075	4.247	ug/L	94
14) Carbon disulfide	2.291	76	8966	0.236	ug/L	98
17) Methyl tert-butyl Ether	2.764	73	10652	0.319	ug/L #	91
18) trans-1,2-Dichloroethene	2.760	96	1932	0.129	ug/L	89
19) 1,1-Dichloroethane	3.182	63	340179	12.609	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	334150	19.489	ug/L	98
25) Chloroform	4.365	83	3680	0.131	ug/L	89
27) 1,2-Dichloroethane	5.130	62	10141	0.664	ug/L	98
29) 1,1,1-Trichloroethane	4.600	97	172174	6.850	ug/L	100
31) Carbon tetrachloride	4.600	117	23565	1.109	ug/L	97
33) Benzene	5.095	78	77432	1.185	ug/L	100
34) Trichloroethene	5.908	95	82171	4.929	ug/L	97
35) Methylcyclohexane	6.063	83	24578	0.873	ug/L #	21
37) 1,2-Dichloropropane	6.063	63	11074	0.719	ug/L #	85
42) Toluene	7.384	91	40064	0.571	ug/L	99

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

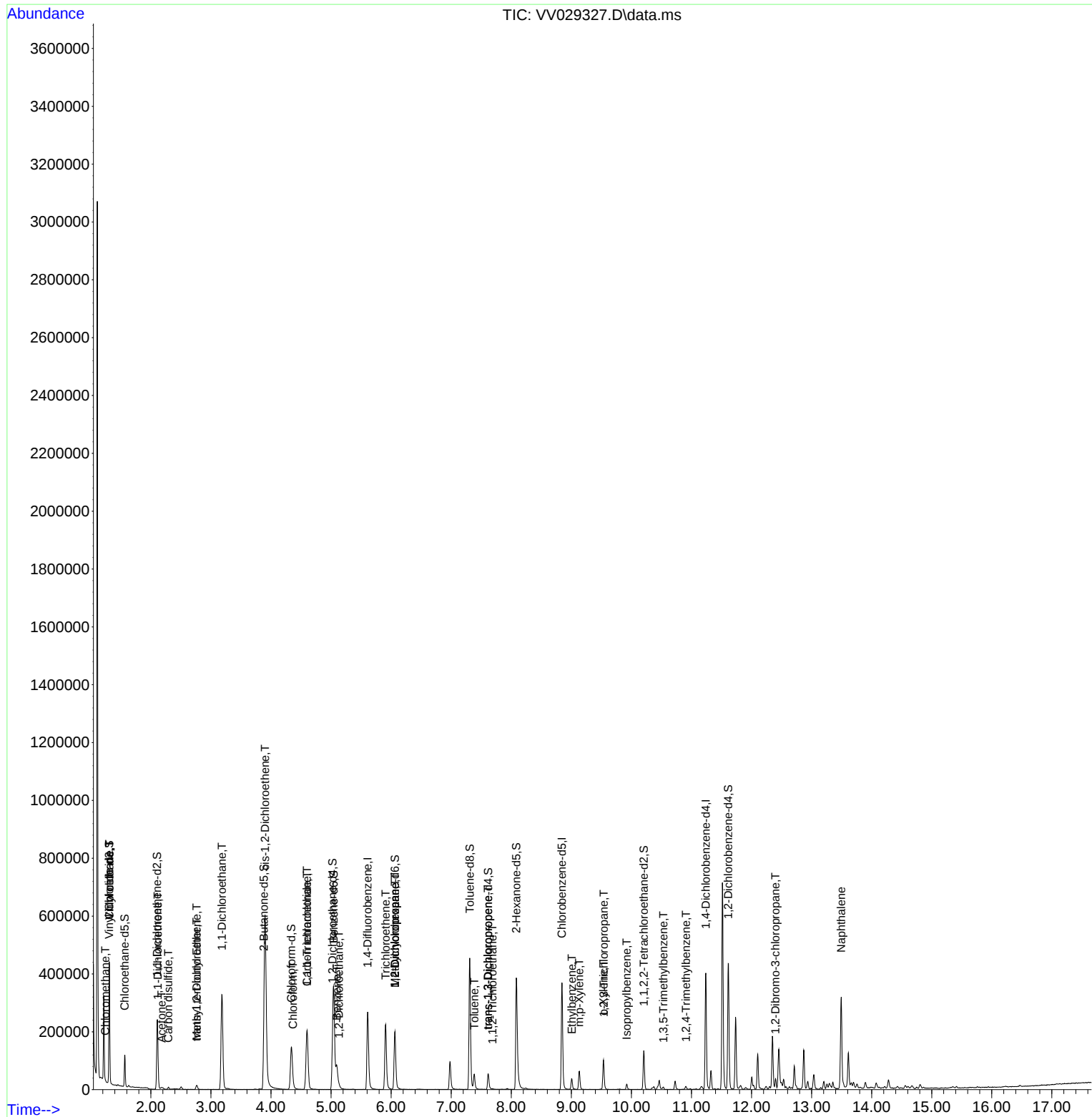
44) trans-1,3-Dichloropropene	7.612	75	1580	0.089	ug/L #	65
45) 1,1,2-Trichloroethane	7.690	97	1127	0.108	ug/L #	15
52) Ethylbenzene	9.008	91	27635	0.378	ug/L	99
53) m,p-Xylene	9.133	106	19344	0.671	ug/L	98
54) o-Xylene	9.535	106	27388	0.967	ug/L	98
60) Isopropylbenzene	9.921	105	12226	0.175	ug/L	95
61) 1,2,3-Trichloropropane	9.538	75	847	0.113	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.532	105	4812	0.080	ug/L	97
63) 1,2,4-Trimethylbenzene	10.908	105	6081	0.100	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.400	75	182	0.124	ug/L #	1
71) Naphthalene	13.493	128	252686	13.422	ug/L	99

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

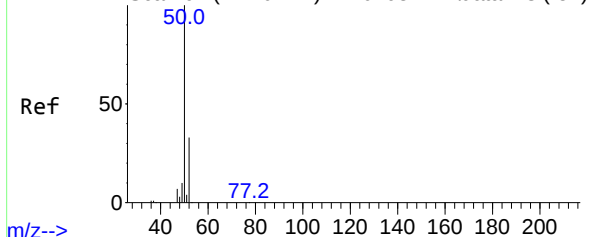
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112322\
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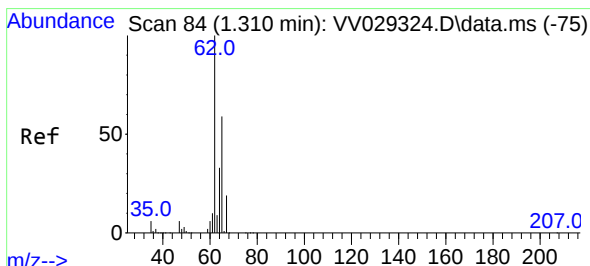
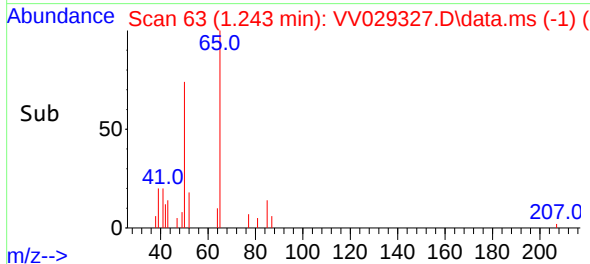
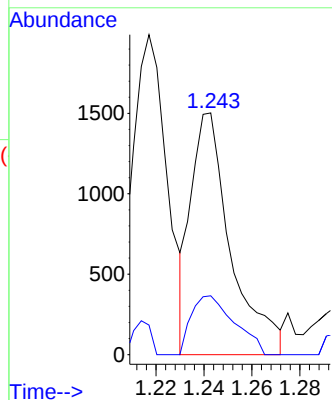
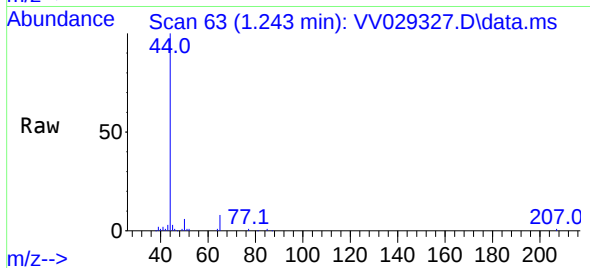
Abundance Scan 62 (1.240 min): VV029324.D\data.ms (-54)



#3
Chloromethane
Concen: 0.100 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

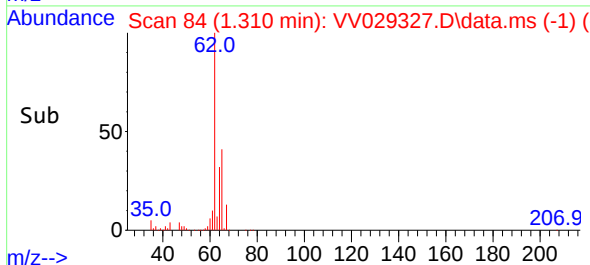
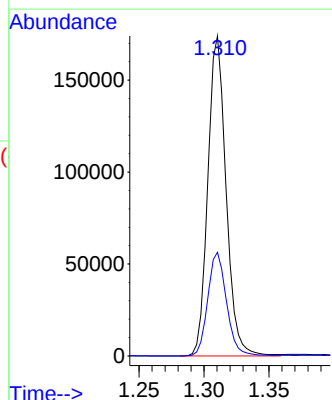
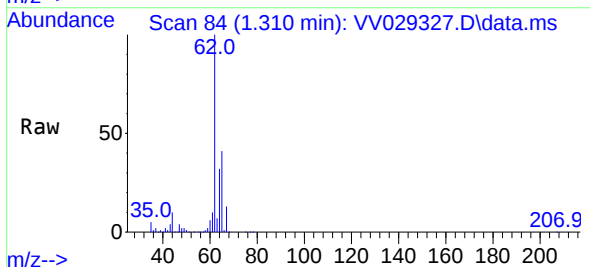
Instrument :
MSVOA_V
ClientSampleId :

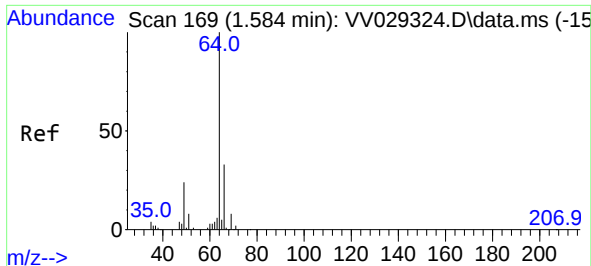
Tgt Ion: 50 Resp: 1737
Ion Ratio Lower Upper
50 100
52 24.4 23.2 43.2



#5
Vinyl chloride
Concen: 9.829 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Tgt Ion: 62 Resp: 170065
Ion Ratio Lower Upper
62 100
64 32.4 23.4 43.4

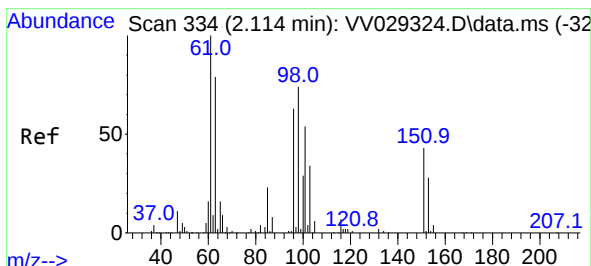
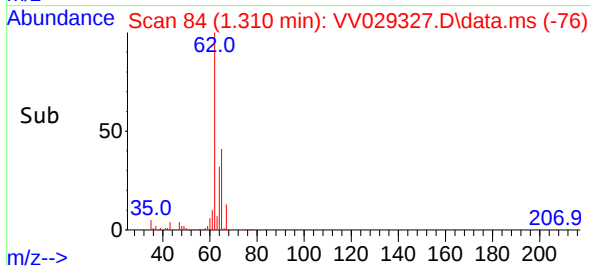
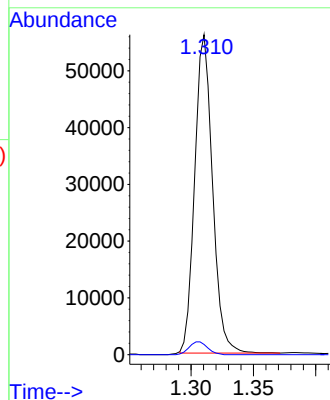
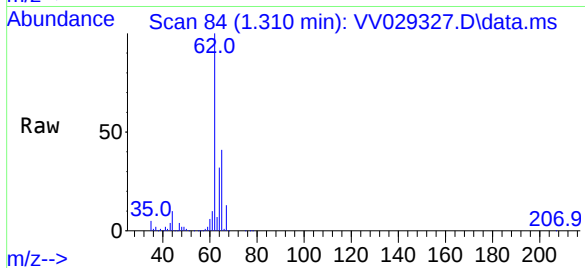




#8
Chloroethane
Concen: 5.399 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

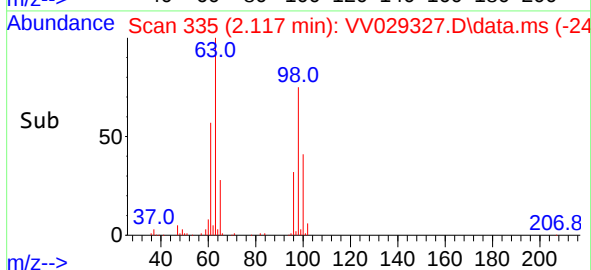
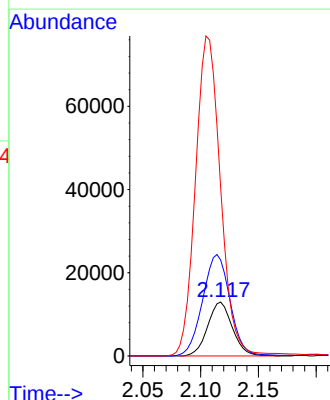
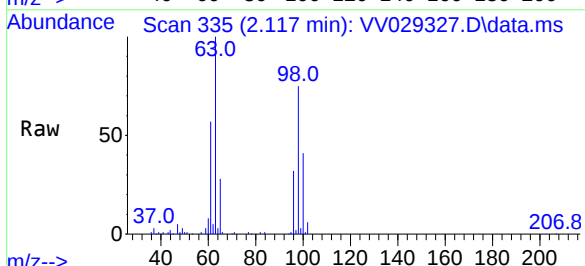
Instrument :
MSVOA_V
ClientSampleId :

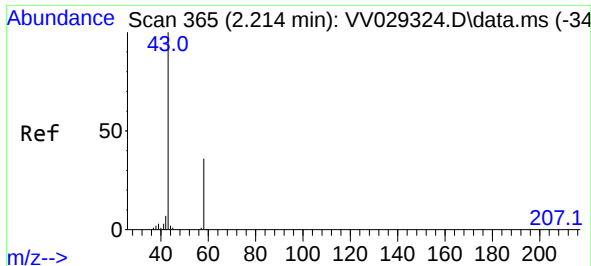
Tgt Ion: 64 Resp: 55524
Ion Ratio Lower Upper
64 100
66 3.2 23.5 43.7#



#12
1,1-Dichloroethene
Concen: 1.470 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Tgt Ion: 96 Resp: 19201
Ion Ratio Lower Upper
96 100
61 177.5 110.3 204.9
63 311.4 84.4 156.8#

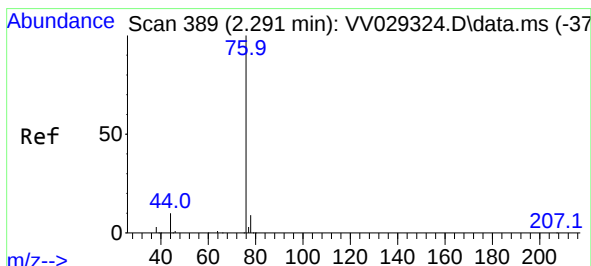
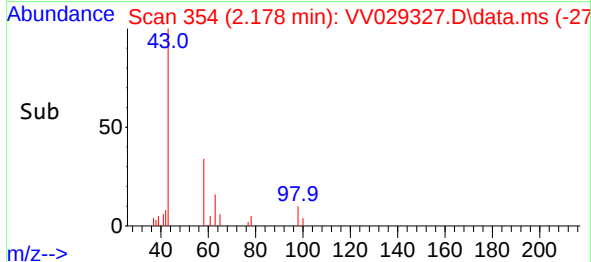
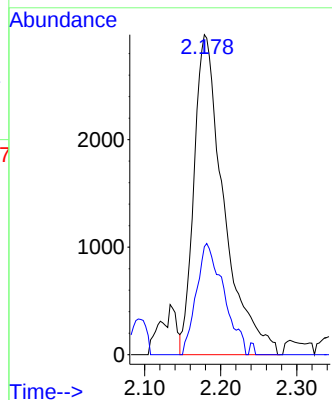
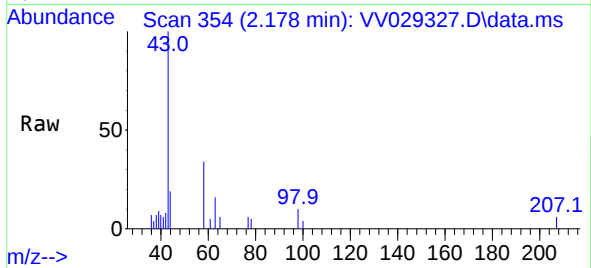




#13
Acetone
Concen: 4.247 ug/L
RT: 2.178 min Scan# 31
Delta R.T. -0.035 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

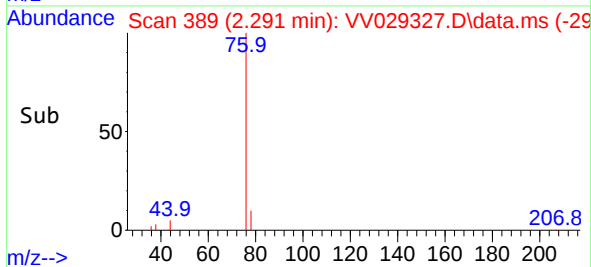
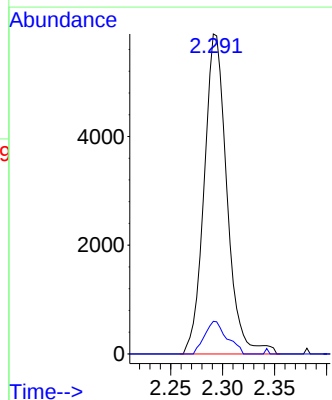
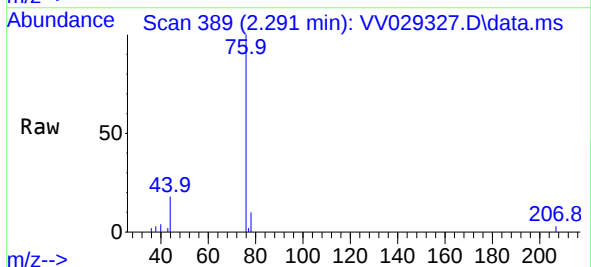
Instrument :
MSVOA_V
ClientSampleId :

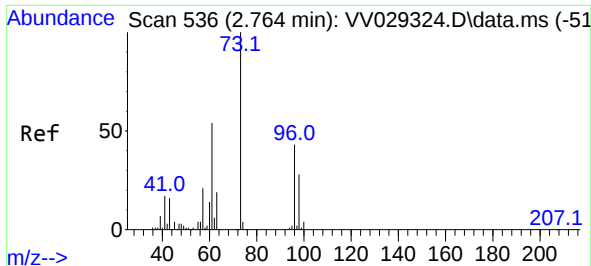
Tgt Ion: 43 Resp: 8075
Ion Ratio Lower Upper
43 100
58 32.1 0.0 70.8



#14
Carbon disulfide
Concen: 0.236 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Tgt Ion: 76 Resp: 8966
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.2





#17

Methyl tert-butyl Ether

Concen: 0.319 ug/L

RT: 2.764 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV029327.D

Acq: 24 Nov 2022 05:14

Instrument :

MSVOA_V

ClientSampleId :

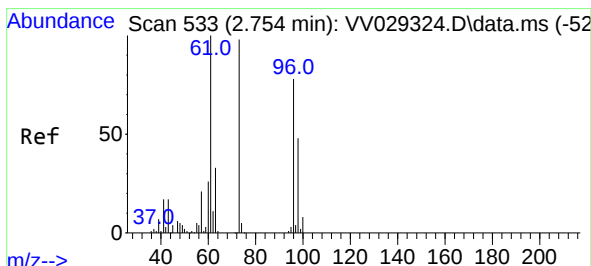
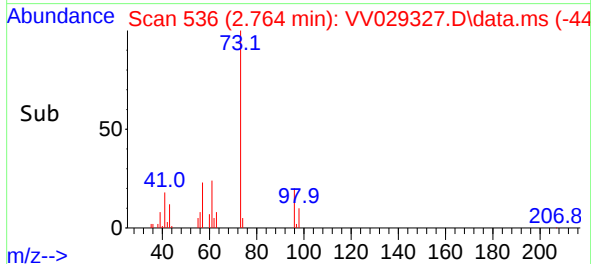
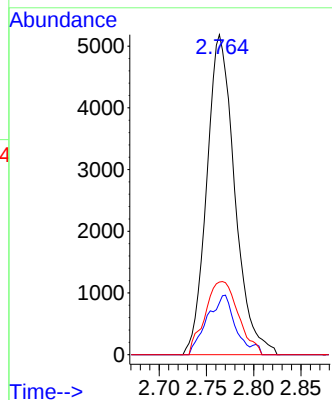
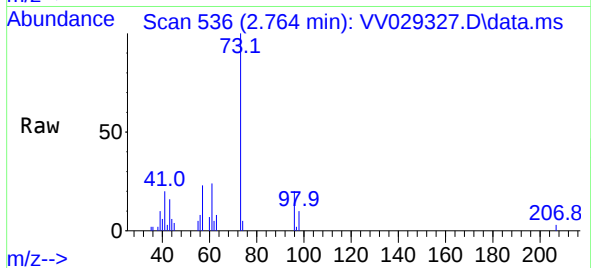
Tgt Ion: 73 Resp: 10652

Ion Ratio Lower Upper

73 100

43 18.3 13.2 19.8

57 27.1 16.9 25.3#



#18

trans-1,2-Dichloroethene

Concen: 0.129 ug/L

RT: 2.760 min Scan# 535

Delta R.T. 0.006 min

Lab File: VV029327.D

Acq: 24 Nov 2022 05:14

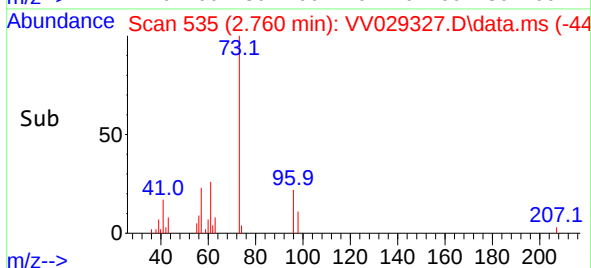
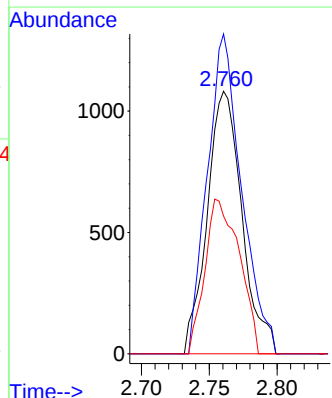
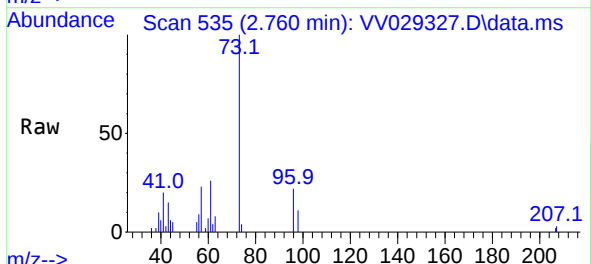
Tgt Ion: 96 Resp: 1932

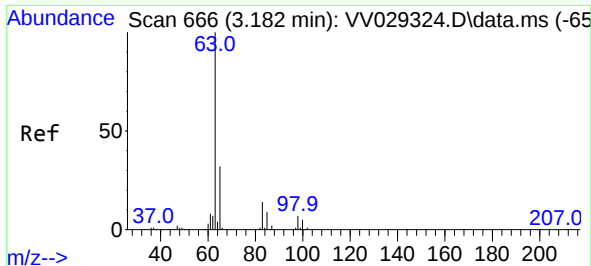
Ion Ratio Lower Upper

96 100

61 121.8 93.0 172.6

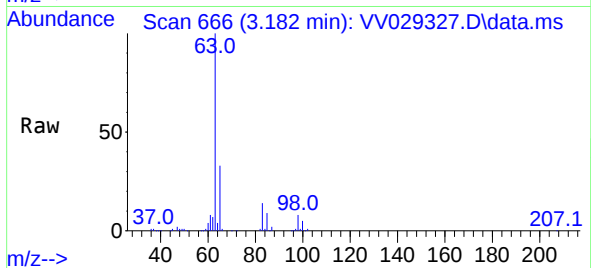
98 52.5 44.0 81.8



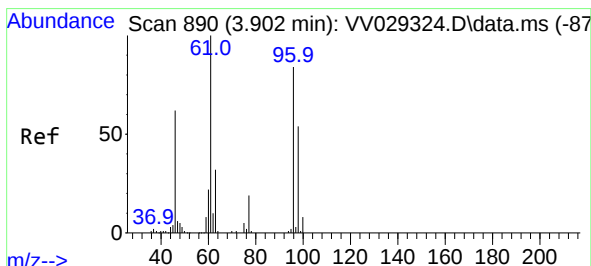
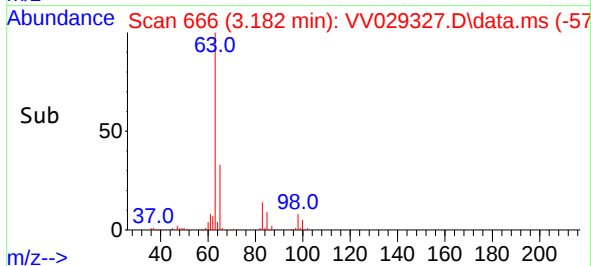
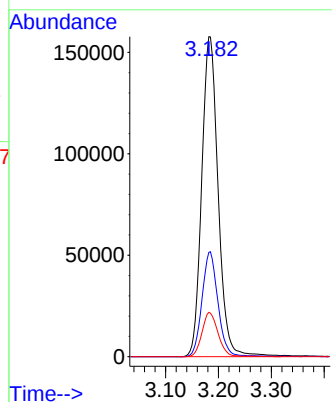


#19
1,1-Dichloroethane
Concen: 12.609 ug/L
RT: 3.182 min Scan# 666
Delta R.T. -0.000 min
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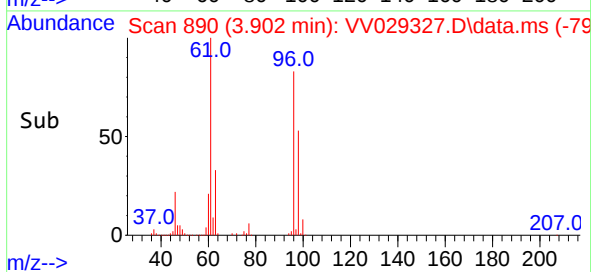
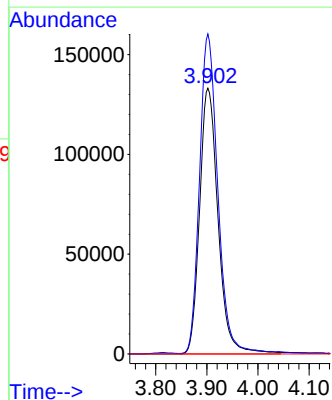
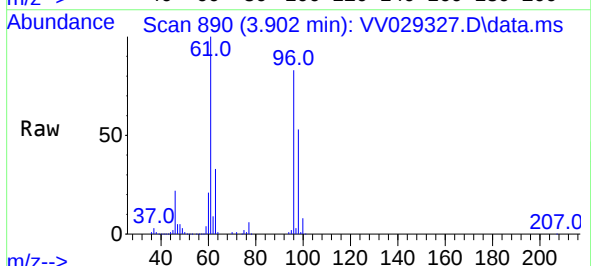


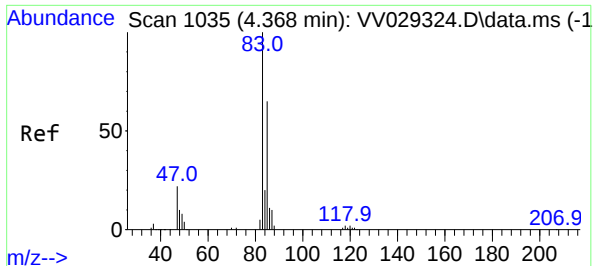
Tgt Ion: 63 Resp: 340179
Ion Ratio Lower Upper
63 100
65 32.6 21.6 40.2
83 13.8 10.3 19.1



#22
cis-1,2-Dichloroethene
Concen: 19.489 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.000 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Tgt Ion: 96 Resp: 334150
Ion Ratio Lower Upper
96 100
61 120.4 85.8 159.3
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.131 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV029327.D

Acq: 24 Nov 2022 05:14

Instrument :

MSVOA_V

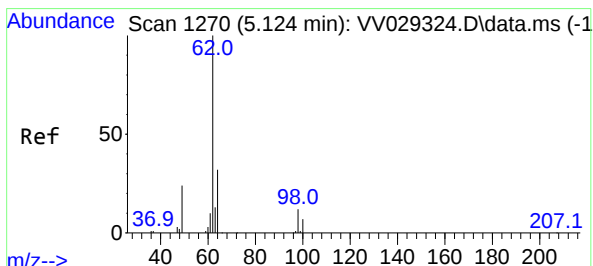
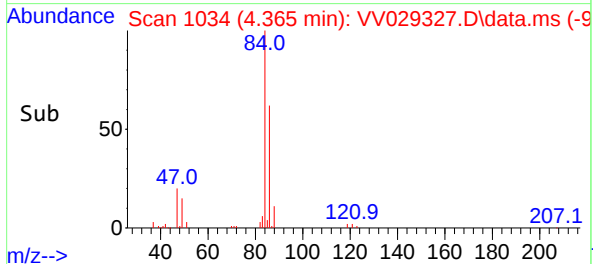
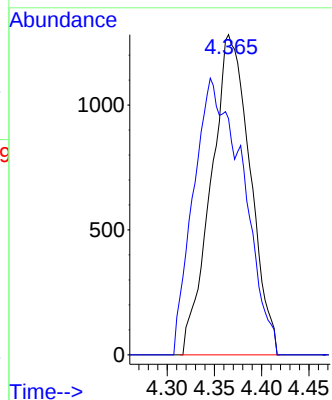
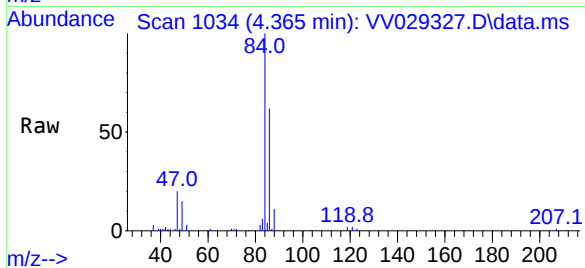
ClientSampleId :

Tgt Ion: 83 Resp: 3680

Ion Ratio Lower Upper

83 100

85 73.8 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.664 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.006 min

Lab File: VV029327.D

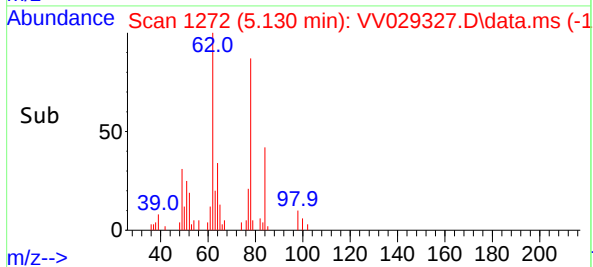
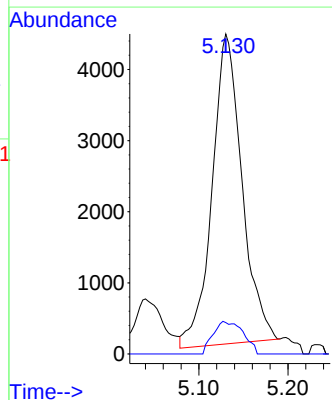
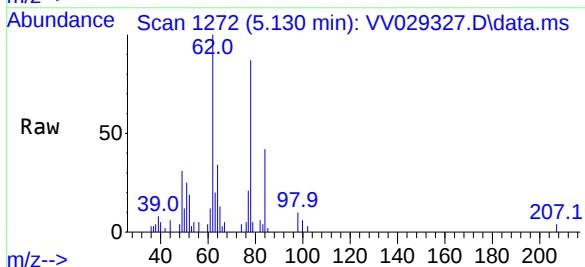
Acq: 24 Nov 2022 05:14

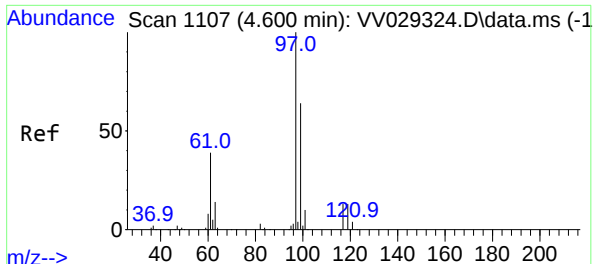
Tgt Ion: 62 Resp: 10141

Ion Ratio Lower Upper

62 100

98 9.8 8.4 12.6

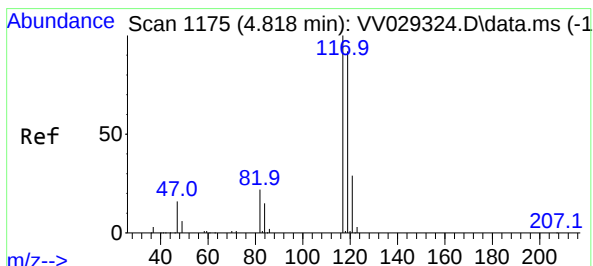
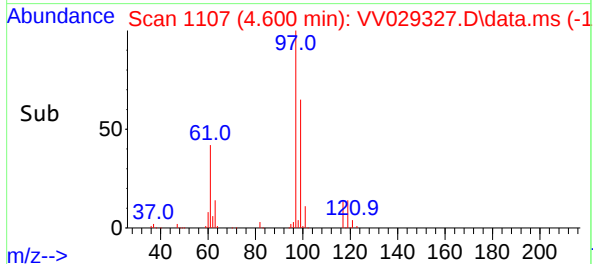
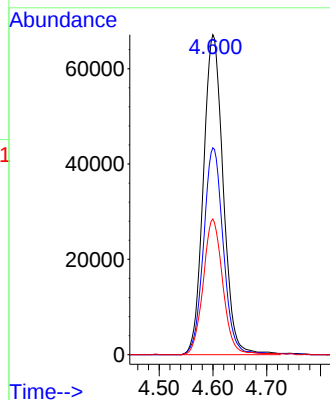
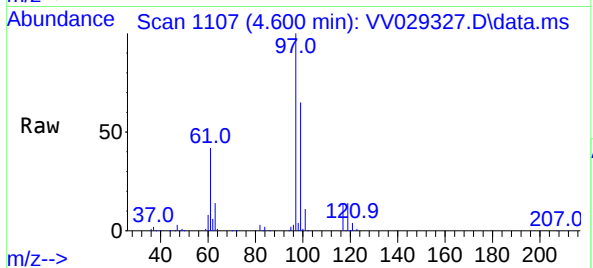




#29
1,1,1-Trichloroethane
Concen: 6.850 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

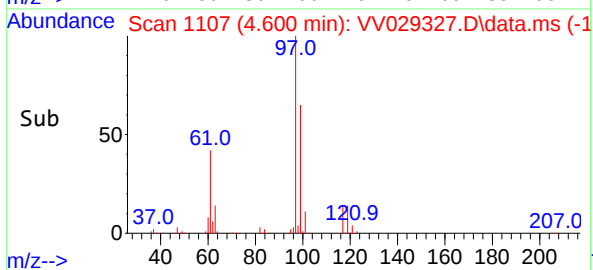
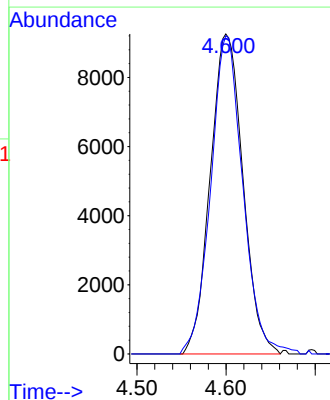
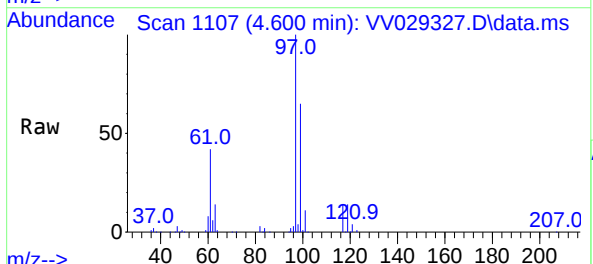
Instrument :
MSVOA_V
ClientSampleId :

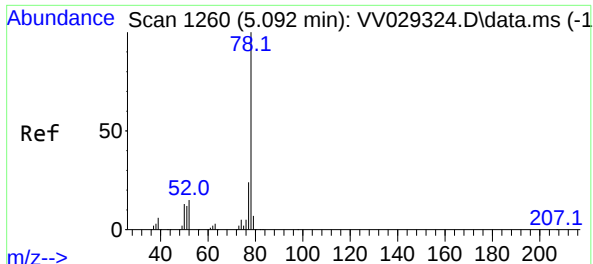
Tgt Ion: 97 Resp: 172174
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 41.8 33.3 49.9



#31
Carbon tetrachloride
Concen: 1.109 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.219 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Tgt Ion: 117 Resp: 23565
Ion Ratio Lower Upper
117 100
119 97.6 75.7 113.5

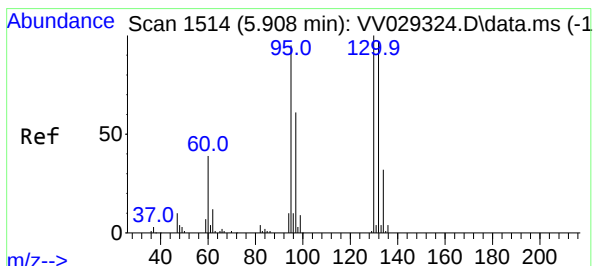
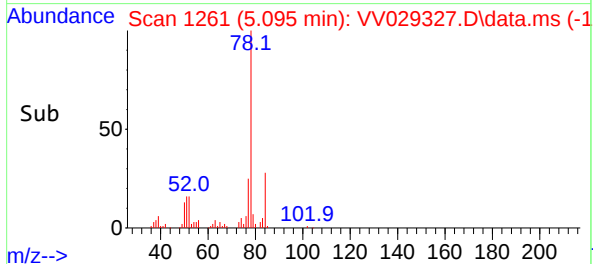
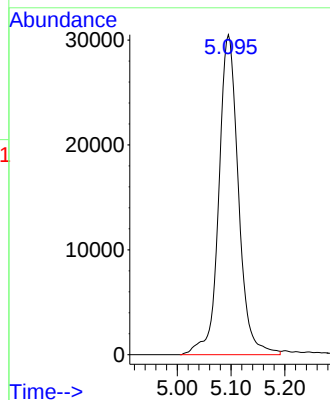
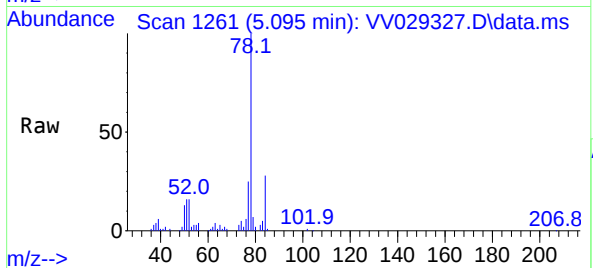




#33
Benzene
Concen: 1.185 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Instrument :
MSVOA_V
ClientSampleId :

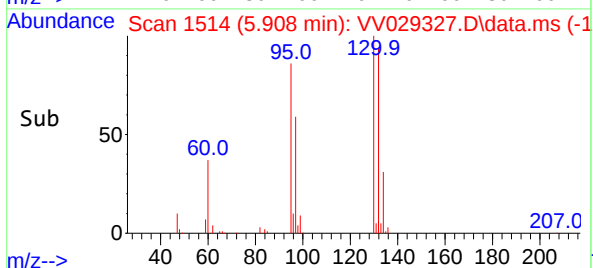
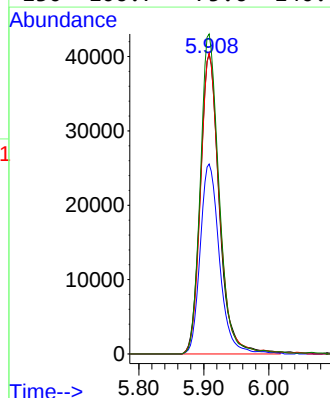
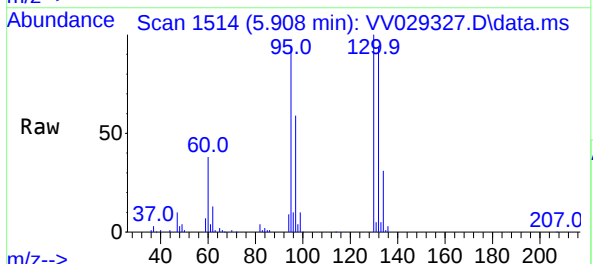
Tgt Ion: 78 Resp: 77432

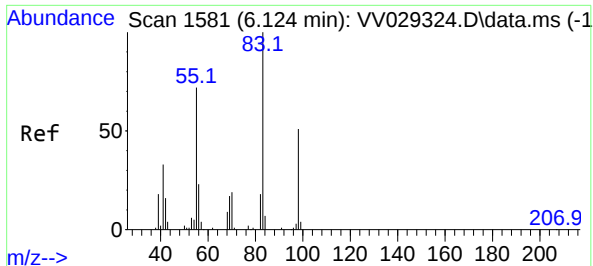


#34
Trichloroethene
Concen: 4.929 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Tgt Ion: 95 Resp: 82171

Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.4	84.4
132	100.3	73.3	136.1
130	106.7	75.6	140.4





#35

Methylcyclohexane

Concen: 0.873 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.061 min

Lab File: VV029327.D

Acq: 24 Nov 2022 05:14

Instrument :

MSVOA_V

ClientSampleId :

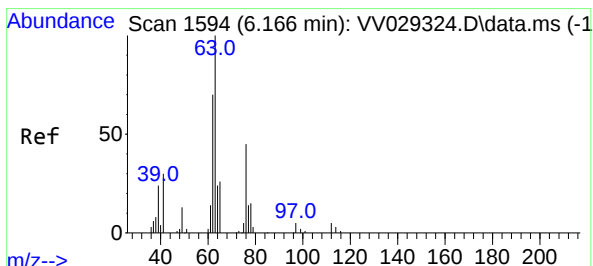
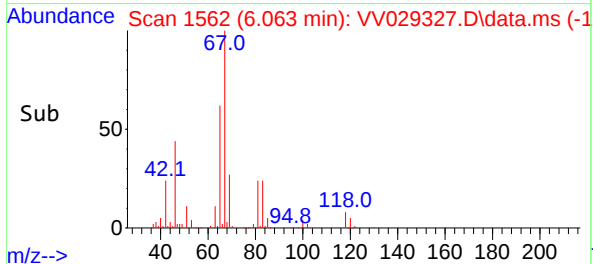
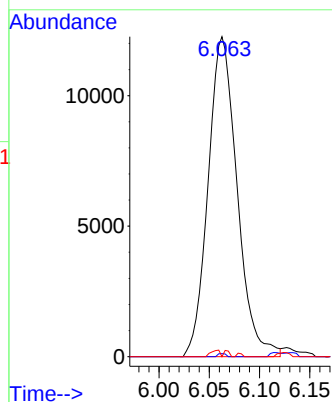
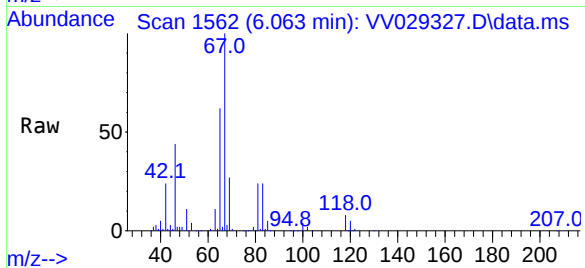
Tgt Ion: 83 Resp: 24578

Ion Ratio Lower Upper

83 100

55 0.3 55.4 83.2#

98 0.6 39.4 59.2#



#37

1,2-Dichloropropane

Concen: 0.719 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.103 min

Lab File: VV029327.D

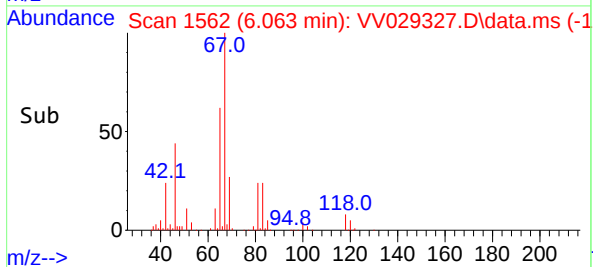
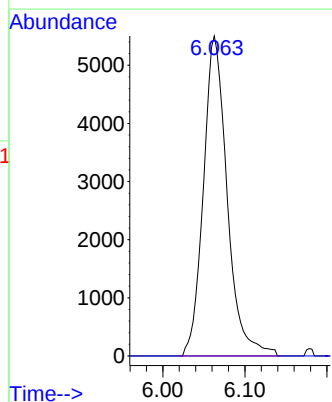
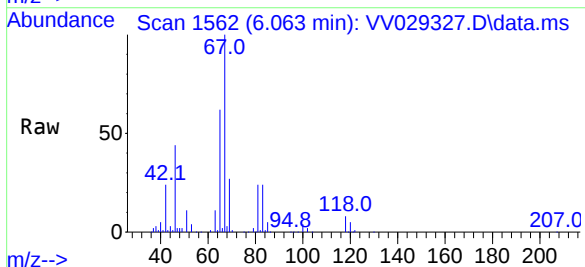
Acq: 24 Nov 2022 05:14

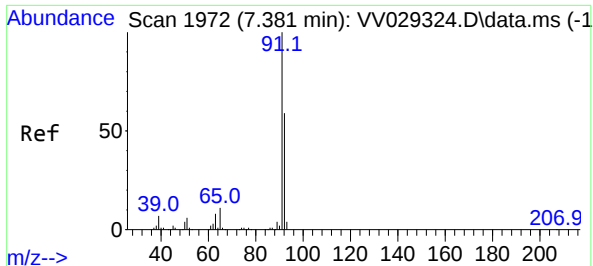
Tgt Ion: 63 Resp: 11074

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#





#42

Toluene

Concen: 0.571 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV029327.D

Acq: 24 Nov 2022 05:14

Instrument :

MSVOA_V

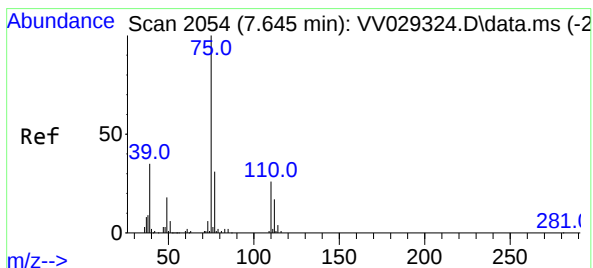
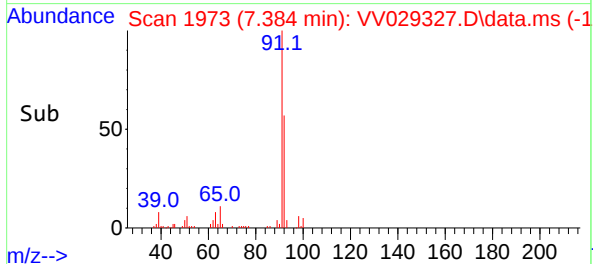
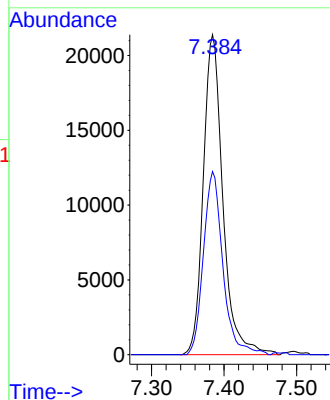
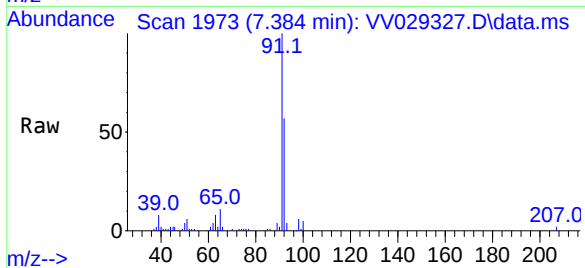
ClientSampleId :

Tgt Ion: 91 Resp: 40064

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.612 min Scan# 2044

Delta R.T. -0.032 min

Lab File: VV029327.D

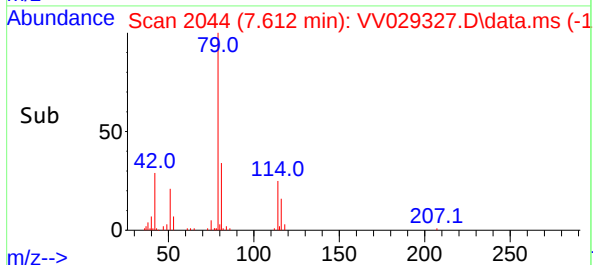
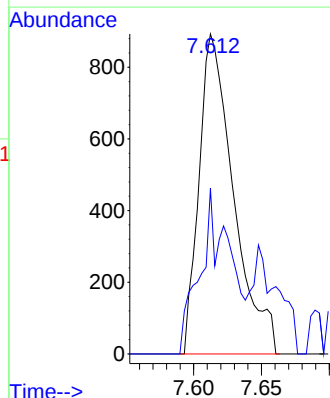
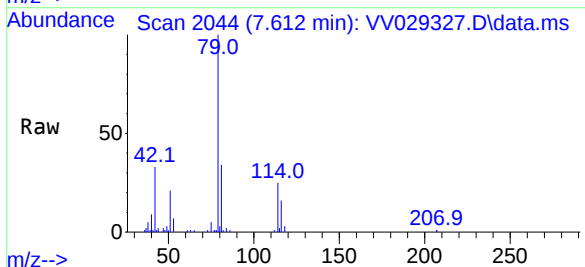
Acq: 24 Nov 2022 05:14

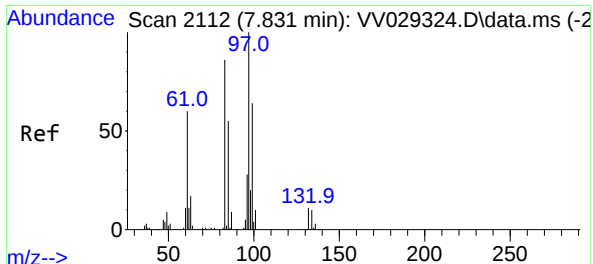
Tgt Ion: 75 Resp: 1580

Ion Ratio Lower Upper

75 100

77 51.7 22.4 41.6#

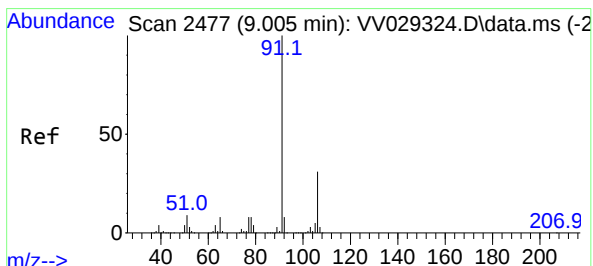
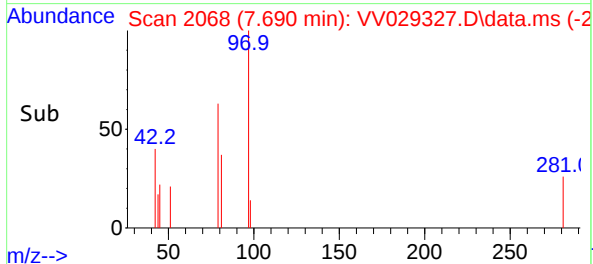
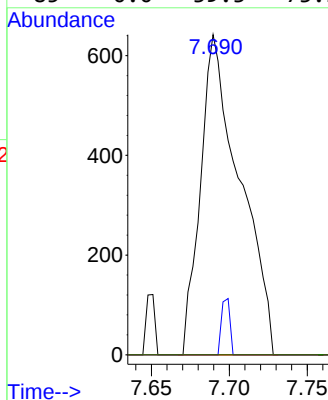
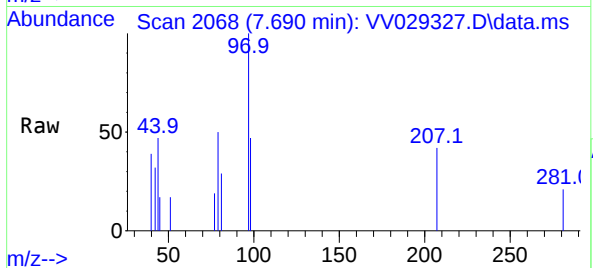




#45
1,1,2-Trichloroethane
Concen: 0.108 ug/L
RT: 7.690 min Scan# 2068
Delta R.T. -0.142 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

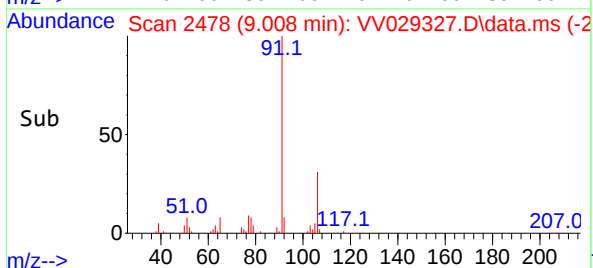
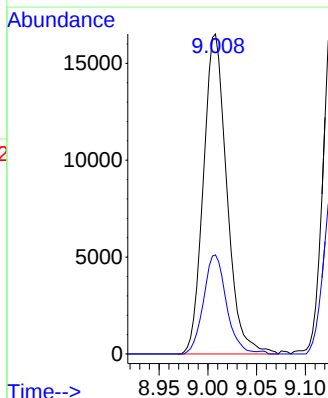
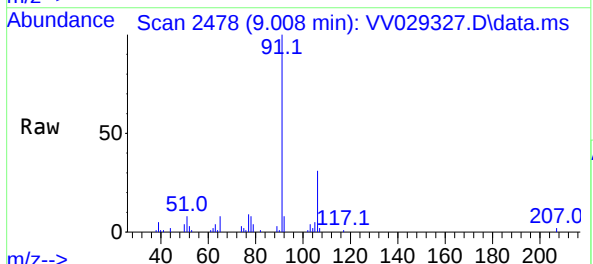
Instrument :
MSVOA_V
ClientSampleId :

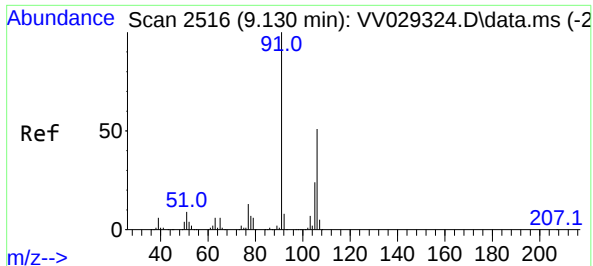
Tgt Ion: 97	Resp: 1127
Ion Ratio	Lower Upper
97 100	
99 0.0	44.4 82.5#
83 0.0	59.5 110.5#
85 0.0	39.3 73.1#



#52
Ethylbenzene
Concen: 0.378 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Tgt Ion: 91	Resp: 27635
Ion Ratio	Lower Upper
91 100	
106 30.9	21.9 40.7





#53

m,p-Xylene

Concen: 0.671 ug/L

RT: 9.133 min Scan# 2516

Delta R.T. 0.003 min

Lab File: VV029327.D

Acq: 24 Nov 2022 05:14

Instrument :

MSVOA_V

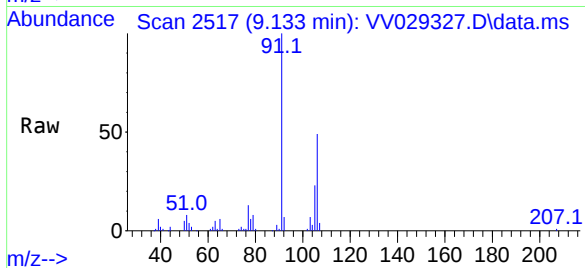
ClientSampleId :

Tgt Ion:106 Resp: 19344

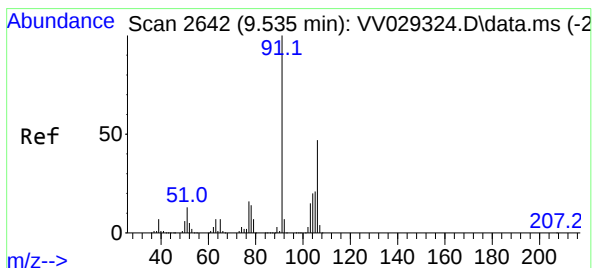
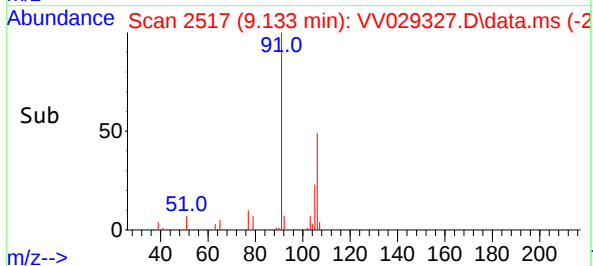
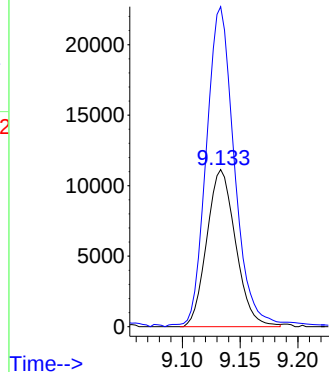
Ion Ratio Lower Upper

106 100

91 203.7 140.6 261.2



Abundance



#54

o-Xylene

Concen: 0.967 ug/L

RT: 9.535 min Scan# 2642

Delta R.T. -0.000 min

Lab File: VV029327.D

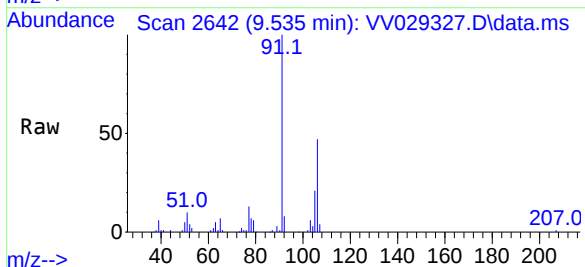
Acq: 24 Nov 2022 05:14

Tgt Ion:106 Resp: 27388

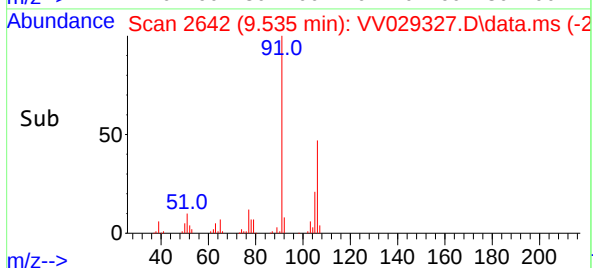
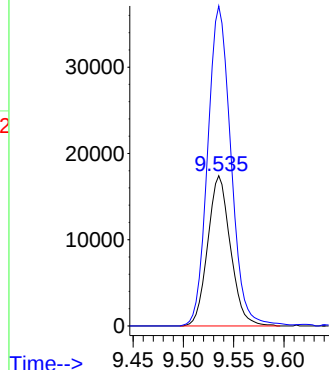
Ion Ratio Lower Upper

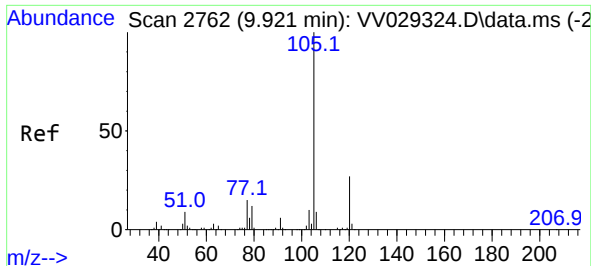
106 100

91 213.0 146.9 272.9



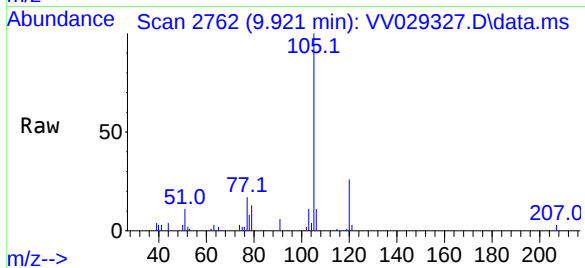
Abundance



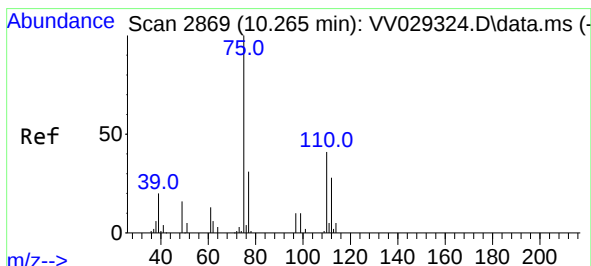
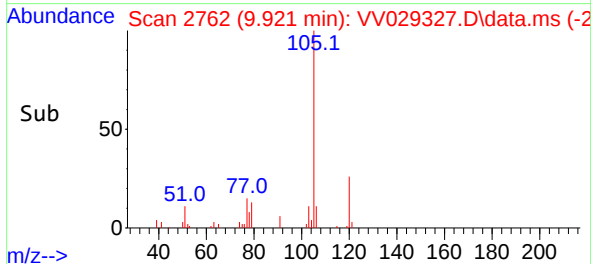
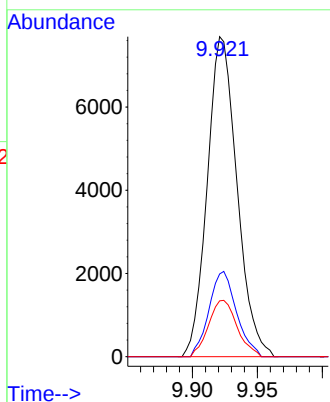


#60
Isopropylbenzene
Concen: 0.175 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Instrument :
MSVOA_V
ClientSampleId :

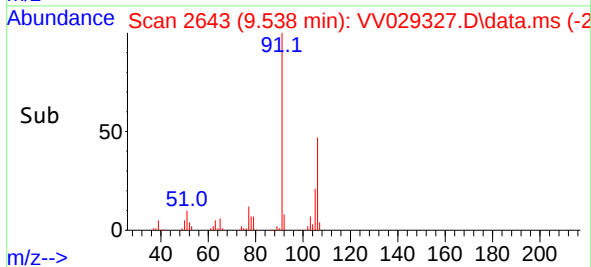
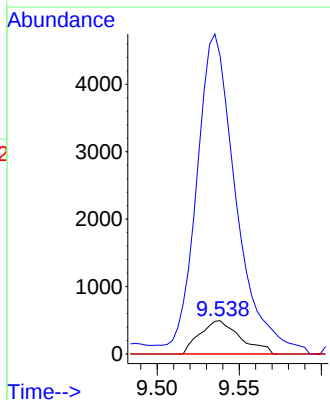
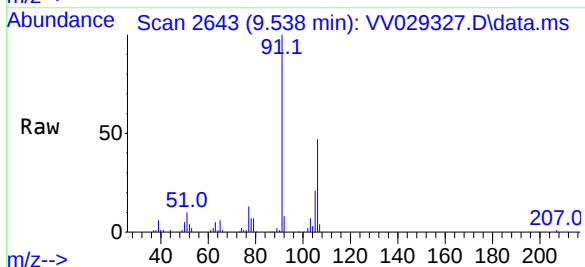


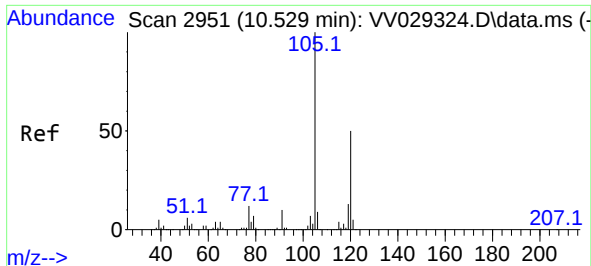
Tgt Ion:105 Resp: 12226
Ion Ratio Lower Upper
105 100
120 24.7 21.4 32.2
77 16.9 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 0.113 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. -0.727 min
Lab File: VV029327.D
Acq: 24 Nov 2022 05:14

Tgt Ion: 75 Resp: 847
Ion Ratio Lower Upper
75 100
77 938.5 26.7 40.1#
110 0.0 32.2 48.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.080 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV029327.D

Acq: 24 Nov 2022 05:14

Instrument :

MSVOA_V

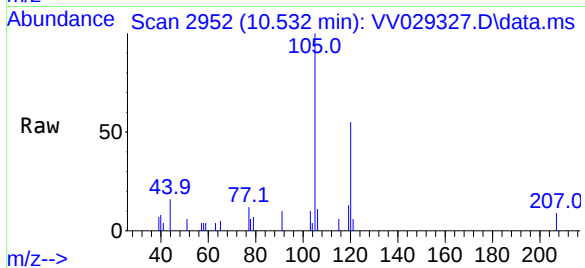
ClientSampleId :

Tgt Ion:105 Resp: 4812

Ion Ratio Lower Upper

105 100

120 51.6 39.6 59.4



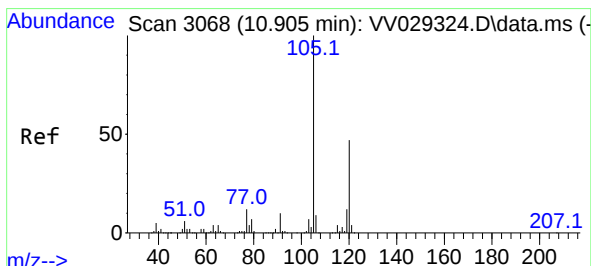
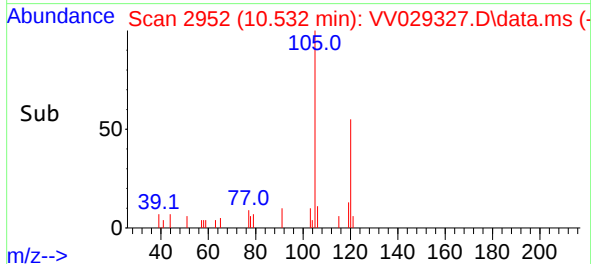
Abundance

10000

5000

10.532

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 0.100 ug/L

RT: 10.908 min Scan# 3069

Delta R.T. 0.003 min

Lab File: VV029327.D

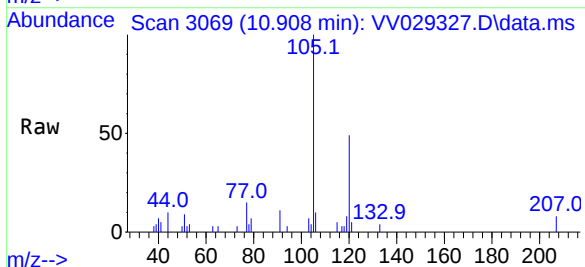
Acq: 24 Nov 2022 05:14

Tgt Ion:105 Resp: 6081

Ion Ratio Lower Upper

105 100

120 45.8 37.2 55.8



Abundance

3000

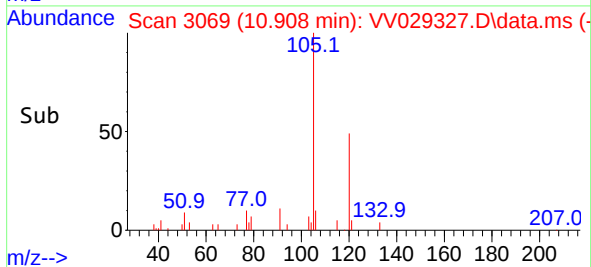
2000

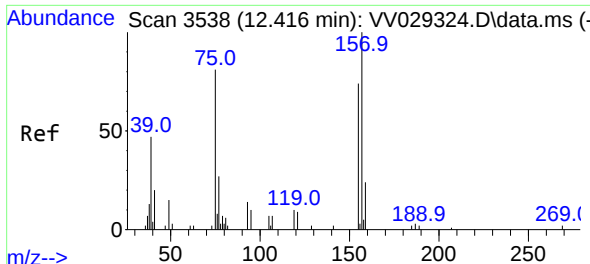
1000

0

10.908

Time-->





#68

1,2-Dibromo-3-chloropropane

Concen: 0.124 ug/L

RT: 12.400 min Scan# 3533

Delta R.T. -0.016 min

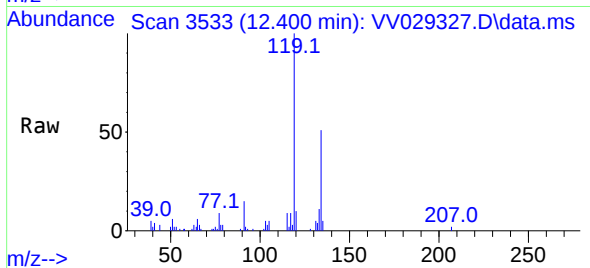
Lab File: VV029327.D

Acq: 24 Nov 2022 05:14

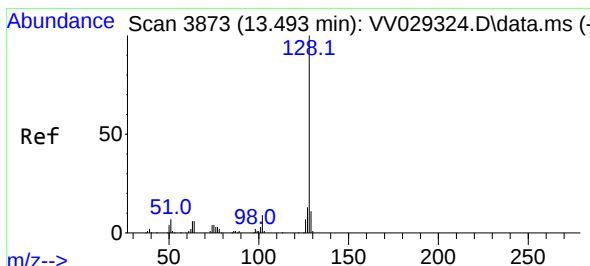
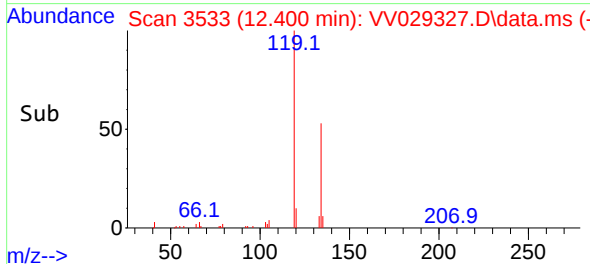
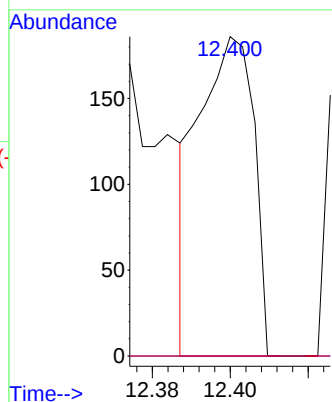
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	75	Resp:	182
Ion Ratio	Lower	Upper	
75	100		
155	0.0	76.6	115.0#
157	0.0	96.9	145.3#



#71

Naphthalene

Concen: 13.422 ug/L

RT: 13.493 min Scan# 3873

Delta R.T. -0.000 min

Lab File: VV029327.D

Acq: 24 Nov 2022 05:14

Tgt Ion:	128	Resp:	252686
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.9	13.3
127	12.8	10.6	15.8

