

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091522\
 Data File : VW027864.D
 Acq On : 15 Sep 2022 19:05
 Operator : SY/MD
 Sample : N4652-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ32MS

Quant Time: Sep 16 01:35:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 16 01:29:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	123674	5.000	ug/L	0.03
28) Chlorobenzene-d5	8.850	117	121849	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	65392	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	38093	4.673	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.400%
7) Chloroethane-d5	1.568	69	31985	4.625	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.108	63	58772	3.397	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.000%
20) 2-Butanone-d5	3.886	46	71809	39.746	ug/L	-0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.500%
24) Chloroform-d	4.346	84	80763	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.030	65	42479	4.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
32) Benzene-d6	5.047	84	145644	4.120	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.069	67	40882	3.950	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.000%
41) Toluene-d8	7.313	98	119792	4.030	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
43) trans-1,3-Dichloroprop...	7.625	79	14431	4.156	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.200%
46) 2-Hexanone-d5	8.088	63	57394	44.470	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.940%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	29433	4.429	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	51229	4.769	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	1221196	109.677	ug/L	99
8) Chloroethane	1.584	64	427048	66.791	ug/L	98
12) 1,1-Dichloroethene	2.117	96	23781	2.901	ug/L	89
16) Methylene chloride	2.506	84	2152	0.204	ug/L	89
18) trans-1,2-Dichloroethene	2.760	96	33041	3.817	ug/L	90
19) 1,1-Dichloroethane	3.185	63	4324556	266.231	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	1946901	206.376	ug/L #	89
27) 1,2-Dichloroethane	5.137	62	16594	1.519	ug/L	97
29) 1,1,1-Trichloroethane	4.603	97	446731	23.838	ug/L	97
33) Benzene	5.104	78	14841	0.369	ug/L	100
34) Trichloroethene	5.911	95	20320	2.017	ug/L	95
35) Methylcyclohexane	6.127	83	5593	0.362	ug/L	96
42) Toluene	7.394	91	13728	0.352	ug/L	100
45) 1,1,2-Trichloroethane	7.844	97	996	0.161	ug/L	95
47) Tetrachloroethene	7.976	164	7033	0.870	ug/L	97
52) Ethylbenzene	9.017	91	5323	0.132	ug/L	100
53) m,p-Xylene	9.146	106	1184	0.074	ug/L	82
54) o-Xylene	9.548	106	2269	0.150	ug/L	89
60) Isopropylbenzene	9.931	105	37655	0.920	ug/L	95

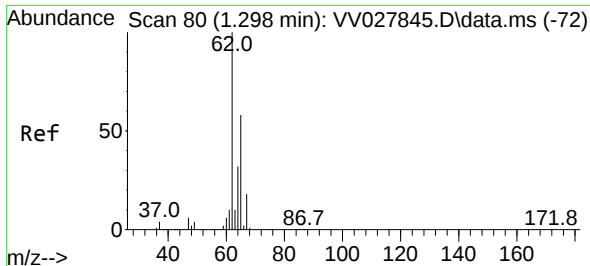
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091522\
Data File : VV027864.D
Acq On : 15 Sep 2022 19:05
Operator : SY/MD
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Quant Time: Sep 16 01:35:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 16 01:29:01 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.914	105	4760	0.145	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	13481	0.717	ug/L	96

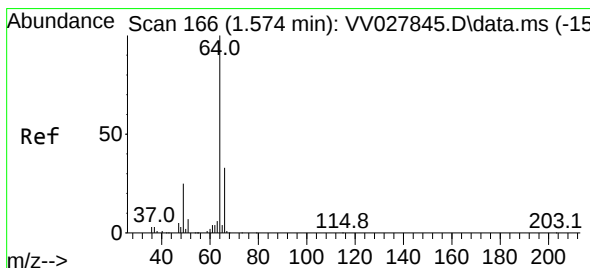
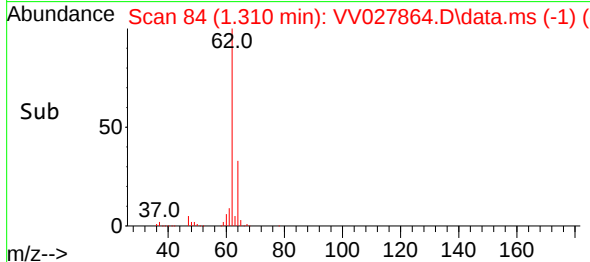
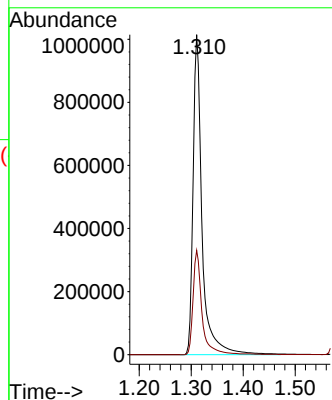
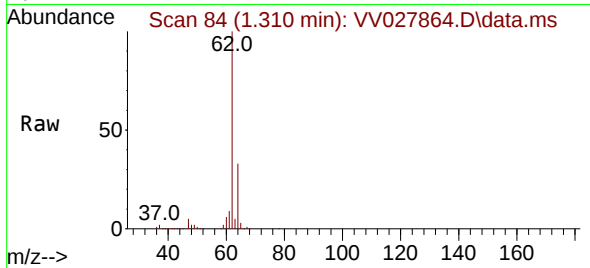
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 109.677 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.013 min
 Lab File: VV027864.D
 Acq: 15 Sep 2022 19:05

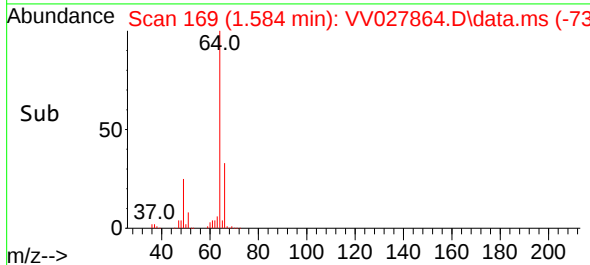
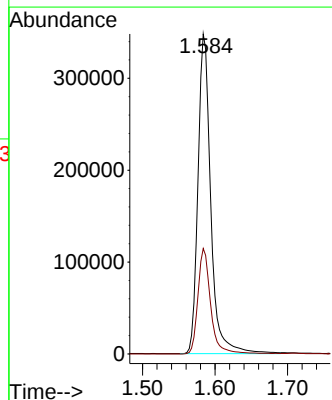
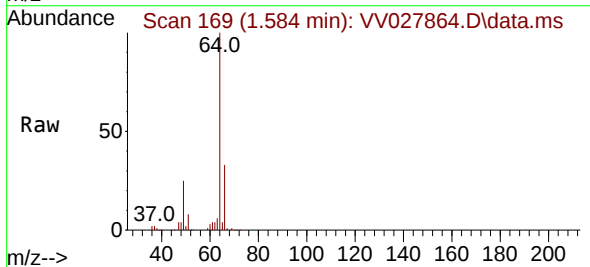
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ32MS

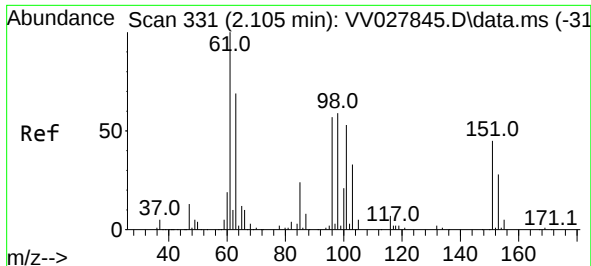
Tgt Ion: 62 Resp: 1221196
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.2 43.2



#8
 Chloroethane
 Concen: 66.791 ug/L
 RT: 1.584 min Scan# 169
 Delta R.T. 0.010 min
 Lab File: VV027864.D
 Acq: 15 Sep 2022 19:05

Tgt Ion: 64 Resp: 427048
 Ion Ratio Lower Upper
 64 100
 66 32.9 22.1 41.1

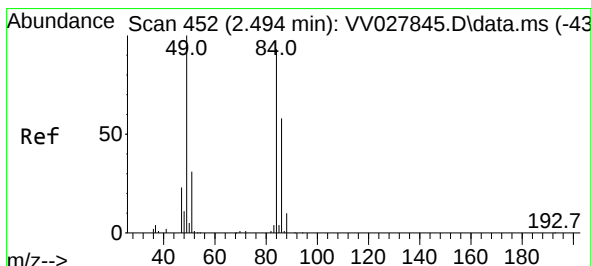
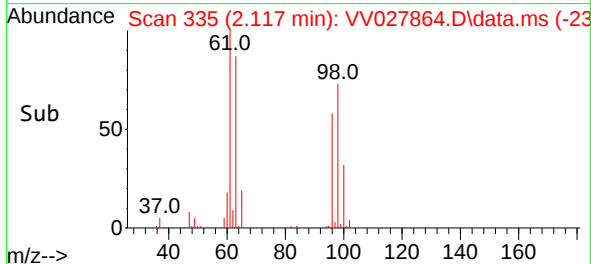
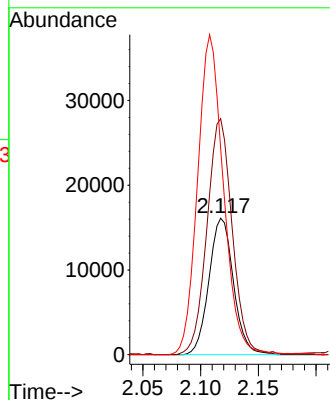
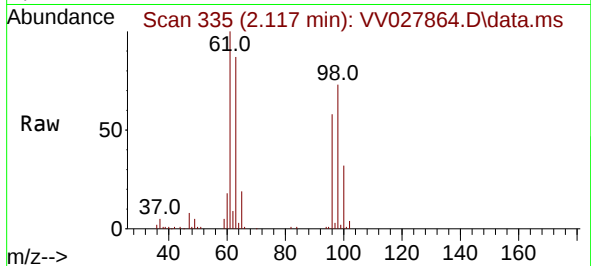




#12
1,1-Dichloroethene
Concen: 2.901 ug/L
RT: 2.117 min Scan# 311
Delta R.T. 0.013 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

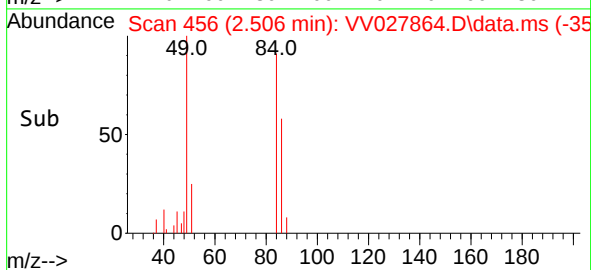
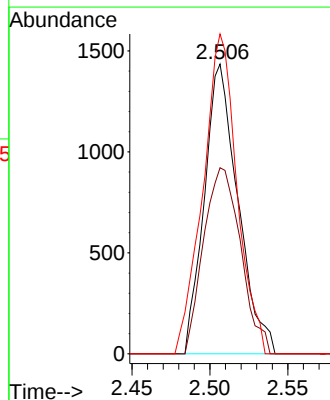
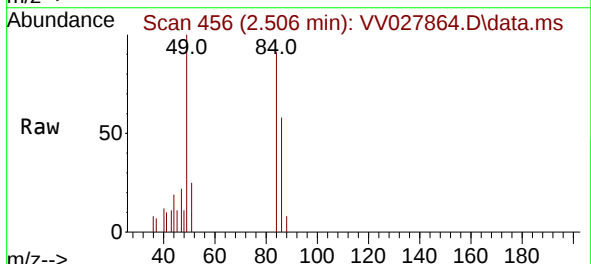
Instrument :
MSVOA_V
ClientSampleId :
EXZ32MS

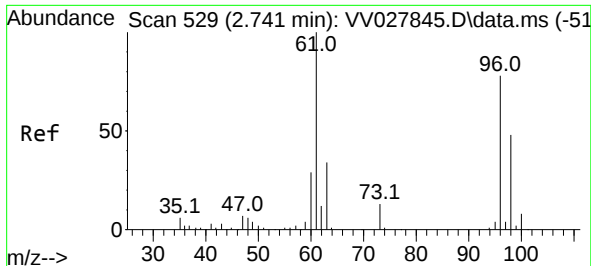
Tgt Ion: 96 Resp: 23781
Ion Ratio Lower Upper
96 100
61 173.0 129.9 241.3
63 150.9 94.6 175.8



#16
Methylene chloride
Concen: 0.204 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.013 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

Tgt Ion: 84 Resp: 2152
Ion Ratio Lower Upper
84 100
86 64.3 44.9 83.3
49 110.4 90.1 167.3

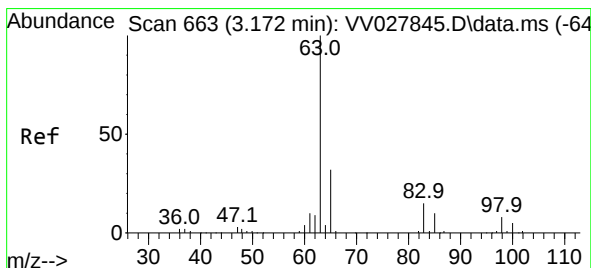
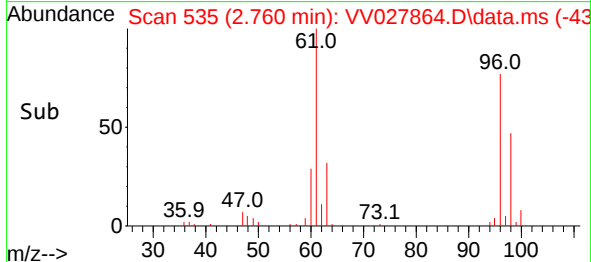
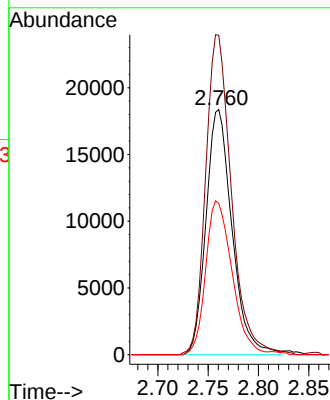
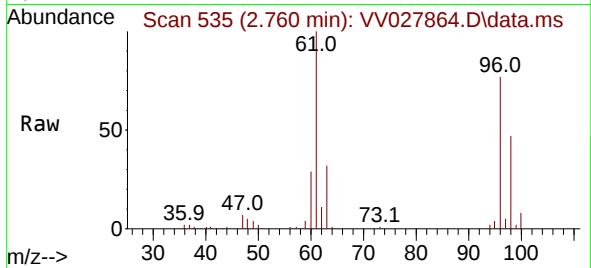




#18
trans-1,2-Dichloroethene
Concen: 3.817 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.019 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

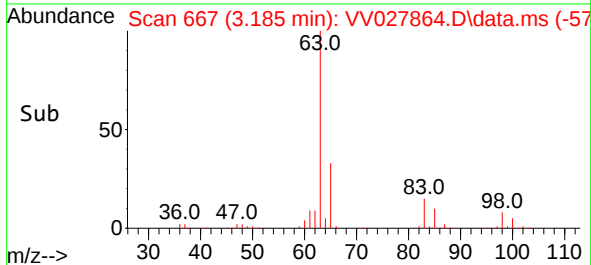
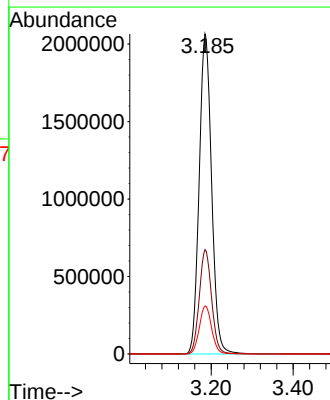
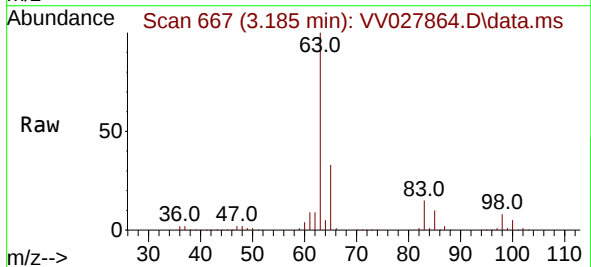
Instrument :
MSVOA_V
ClientSampleId :
EXZ32MS

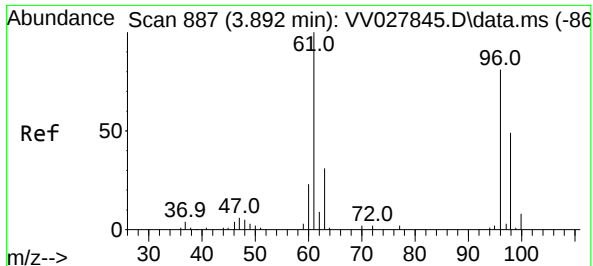
Tgt Ion: 96 Resp: 33041
Ion Ratio Lower Upper
96 100
61 130.3 102.6 190.5
98 61.7 44.0 81.8



#19
1,1-Dichloroethane
Concen: 266.231 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.013 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

Tgt Ion: 63 Resp: 4324556
Ion Ratio Lower Upper
63 100
65 32.6 22.0 41.0
83 15.0 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 206.376 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.013 min

Lab File: VV027864.D

Acq: 15 Sep 2022 19:05

Instrument :

MSVOA_V

ClientSampleId :

EXZ32MS

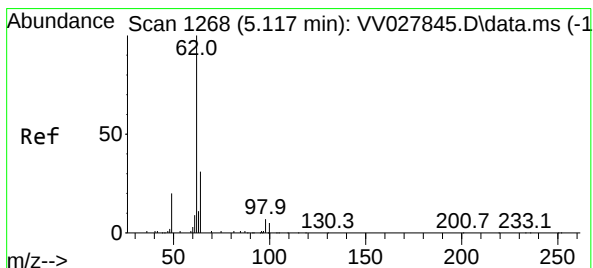
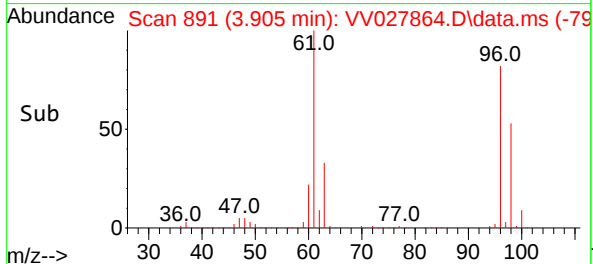
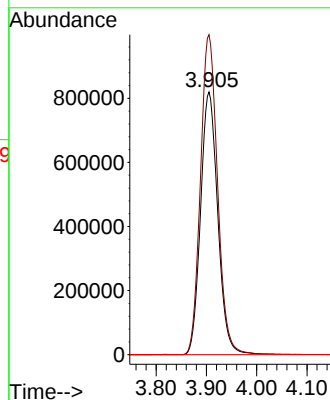
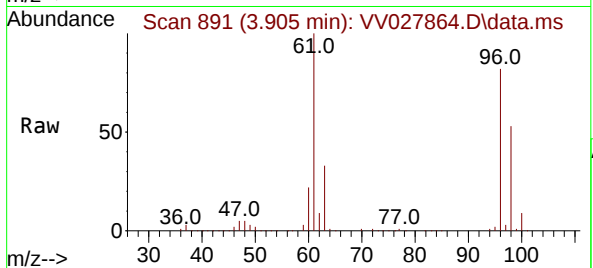
Tgt Ion: 96 Resp: 1946901

Ion Ratio Lower Upper

96 100

61 121.8 94.6 175.6

68 0.0 0.3 0.5#



#27

1,2-Dichloroethane

Concen: 1.519 ug/L

RT: 5.137 min Scan# 1274

Delta R.T. 0.019 min

Lab File: VV027864.D

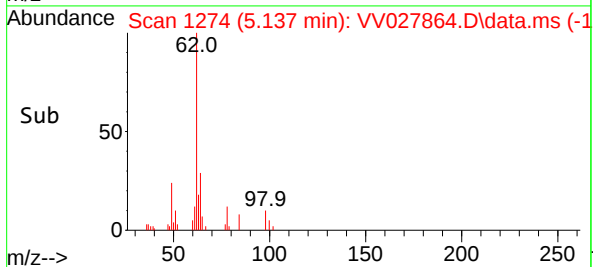
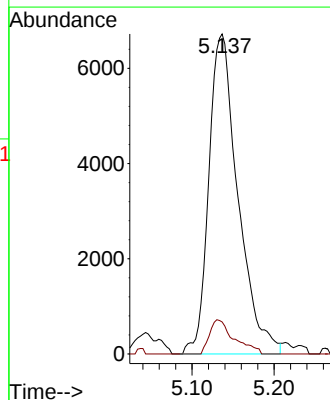
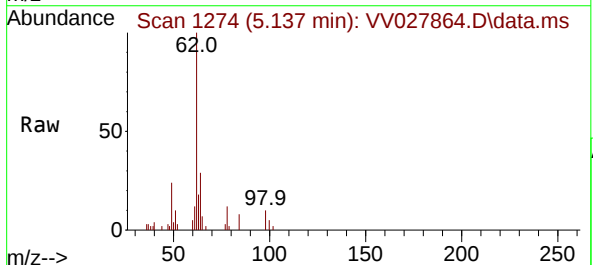
Acq: 15 Sep 2022 19:05

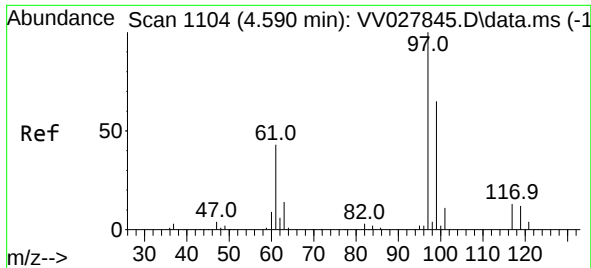
Tgt Ion: 62 Resp: 16594

Ion Ratio Lower Upper

62 100

98 10.0 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 23.838 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.013 min

Lab File: VV027864.D

Acq: 15 Sep 2022 19:05

Instrument :

MSVOA_V

ClientSampleId :

EXZ32MS

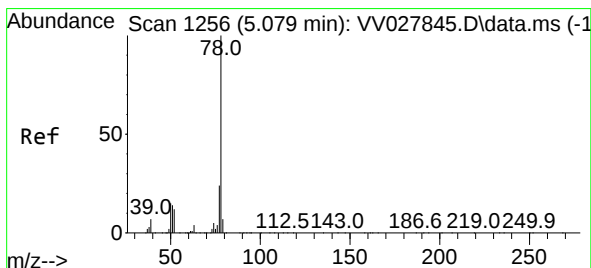
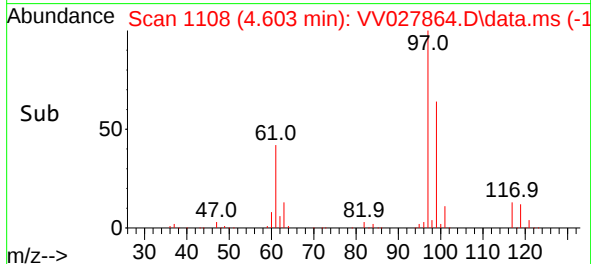
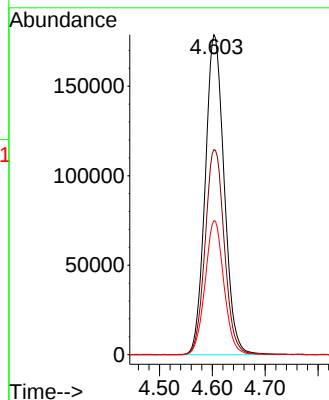
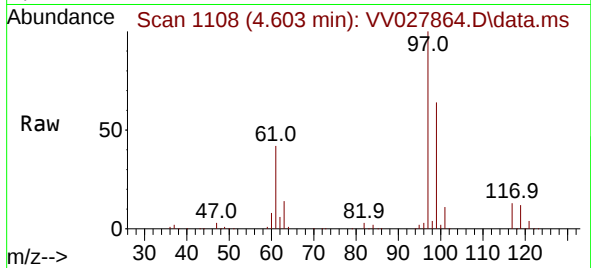
Tgt Ion: 97 Resp: 446731

Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

61 41.7 36.2 54.4



#33

Benzene

Concen: 0.369 ug/L

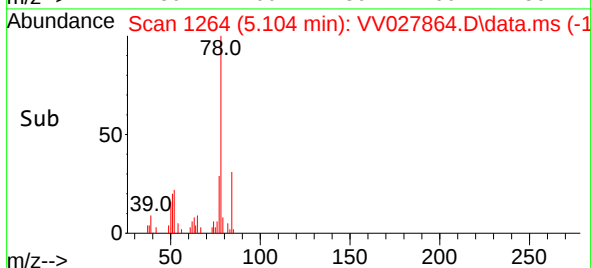
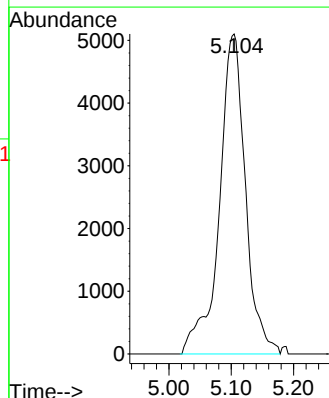
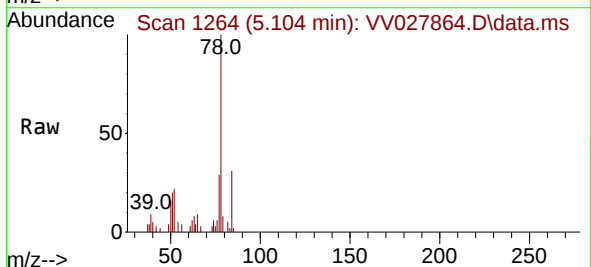
RT: 5.104 min Scan# 1264

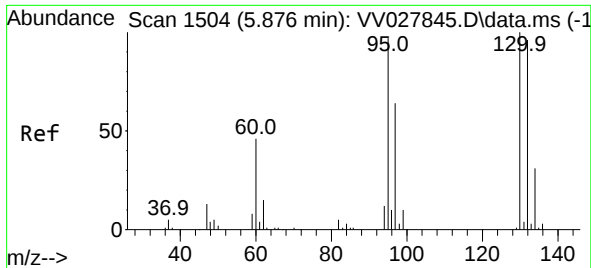
Delta R.T. 0.026 min

Lab File: VV027864.D

Acq: 15 Sep 2022 19:05

Tgt Ion: 78 Resp: 14841



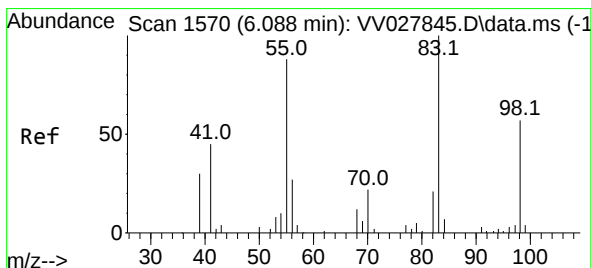
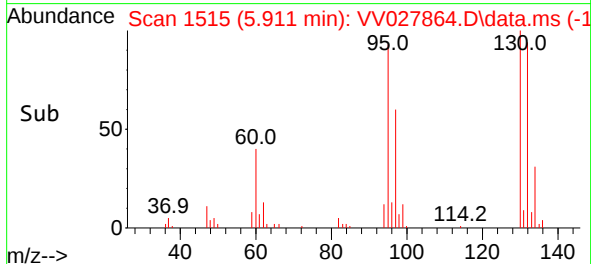
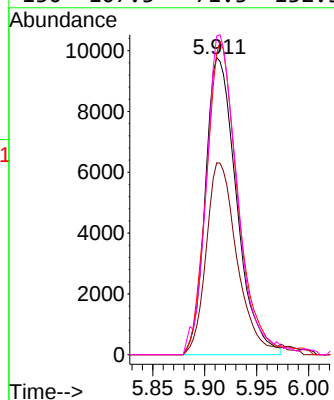
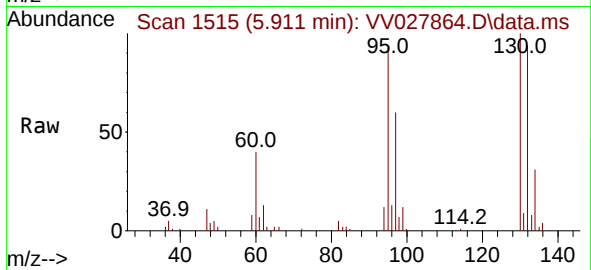


#34
Trichloroethene
Concen: 2.017 ug/L
RT: 5.911 min Scan# 11
Delta R.T. 0.035 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

Instrument :
MSVOA_V
ClientSampleId :
EXZ32MS

Tgt Ion: 95 Resp: 20320

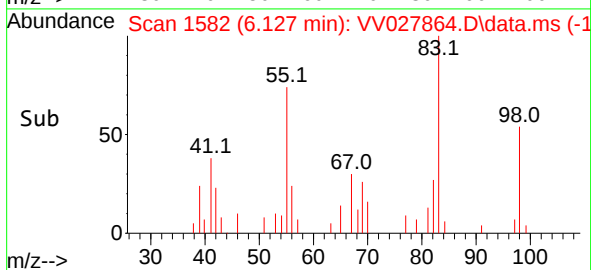
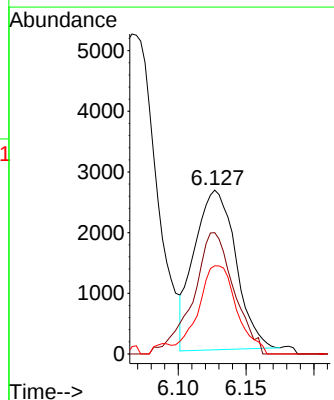
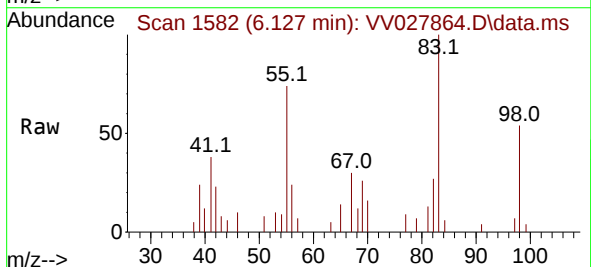
Ion	Ratio	Lower	Upper
95	100		
97	64.6	42.9	79.7
132	101.4	67.9	126.1
130	107.3	71.3	132.3

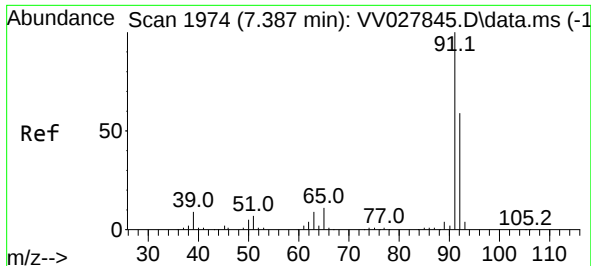


#35
Methylcyclohexane
Concen: 0.362 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.039 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

Tgt Ion: 83 Resp: 5593

Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.9	92.9
98	51.3	37.5	56.3





#42

Toluene

Concen: 0.352 ug/L

RT: 7.394 min Scan# 1974

Delta R.T. 0.006 min

Lab File: VV027864.D

Acq: 15 Sep 2022 19:05

Instrument :

MSVOA_V

ClientSampleId :

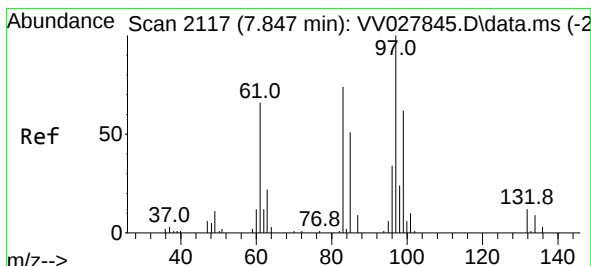
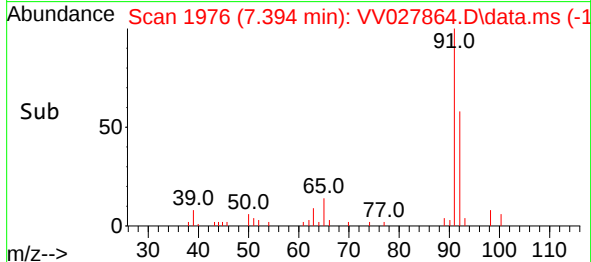
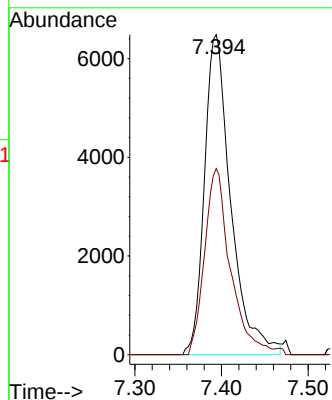
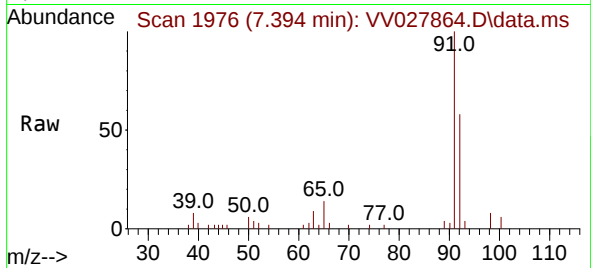
EXZ32MS

Tgt Ion: 91 Resp: 13728

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#45

1,1,2-Trichloroethane

Concen: 0.161 ug/L

RT: 7.844 min Scan# 2116

Delta R.T. -0.003 min

Lab File: VV027864.D

Acq: 15 Sep 2022 19:05

Tgt Ion: 97 Resp: 996

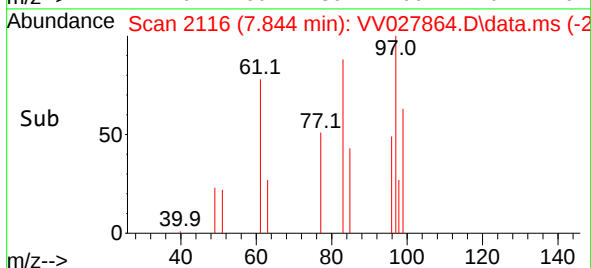
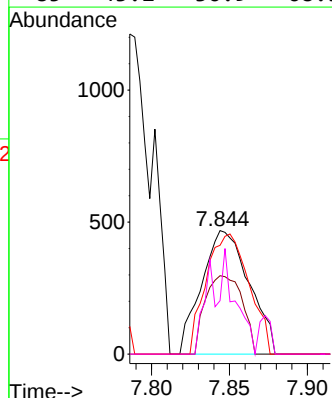
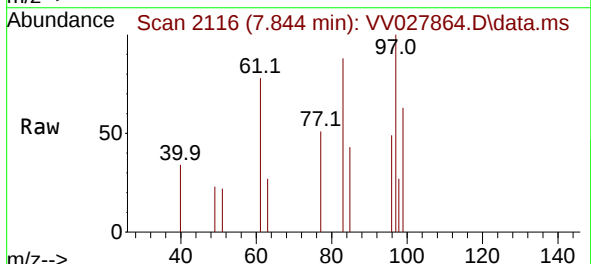
Ion Ratio Lower Upper

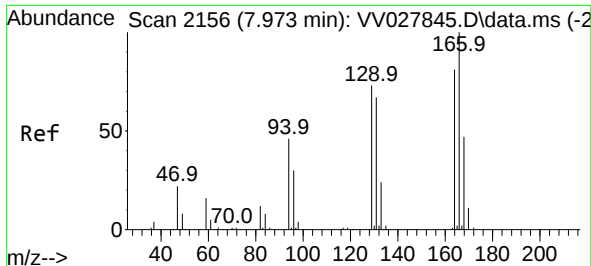
97 100

99 63.5 44.2 82.0

83 88.0 60.3 112.1

85 43.2 36.9 68.5

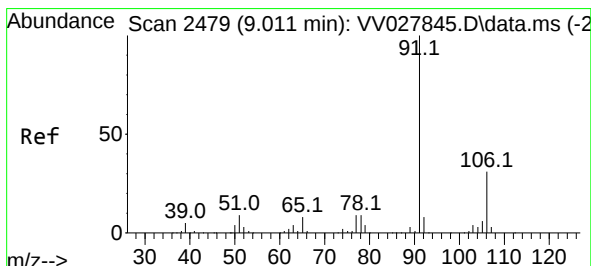
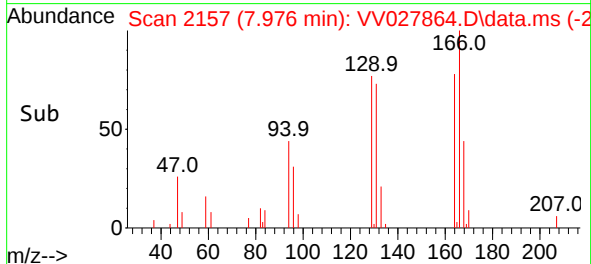
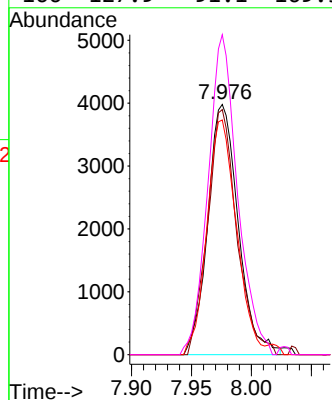
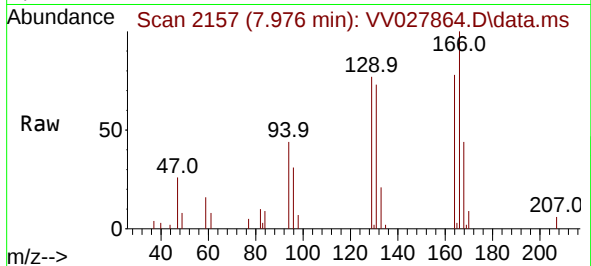




#47
Tetrachloroethene
Concen: 0.870 ug/L
RT: 7.976 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

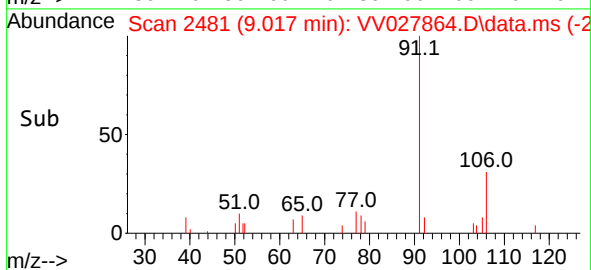
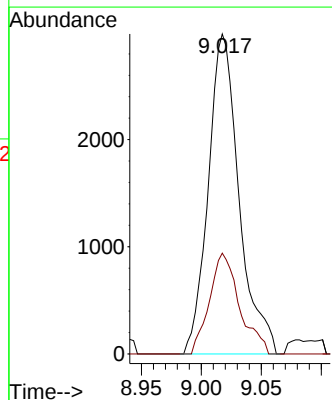
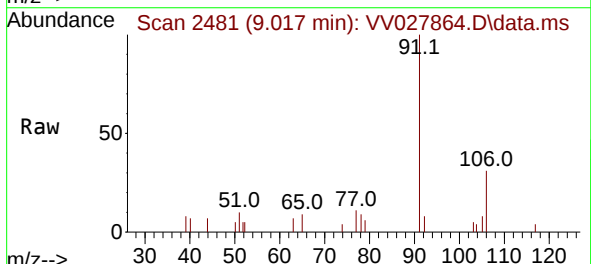
Instrument :
MSVOA_V
ClientSampleId :
EXZ32MS

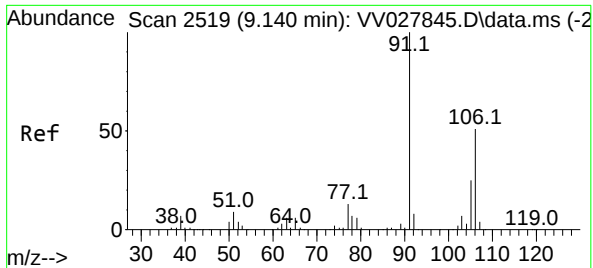
Tgt Ion:164	Resp:	7033
Ion	Ratio	Lower Upper
164	100	
129	97.9	67.2 124.8
131	93.8	61.5 114.3
166	127.9	91.1 169.3



#52
Ethylbenzene
Concen: 0.132 ug/L
RT: 9.017 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

Tgt Ion: 91	Resp:	5323
Ion	Ratio	Lower Upper
91	100	
106	31.5	22.0 40.8

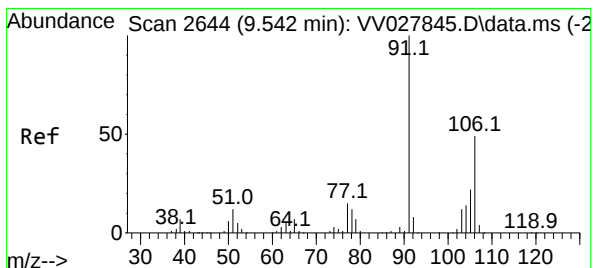
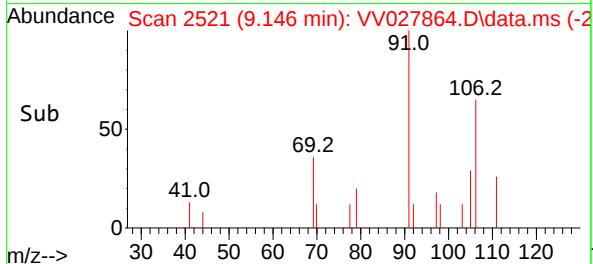
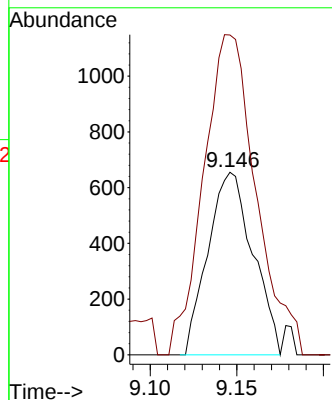
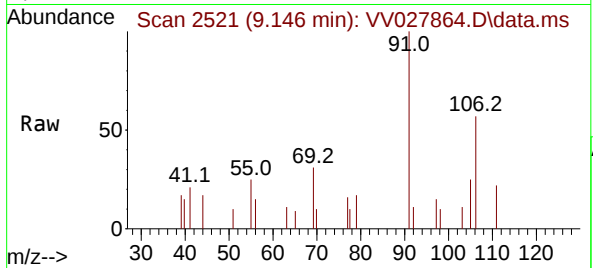




#53
m,p-Xylene
Concen: 0.074 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

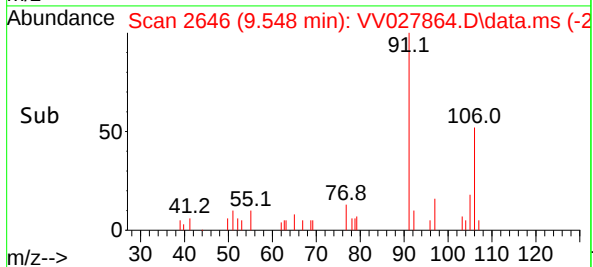
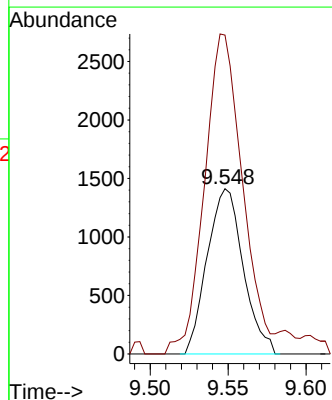
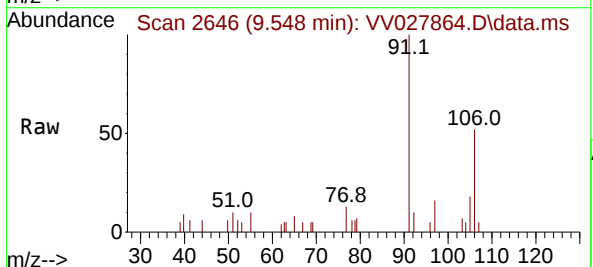
Instrument :
MSVOA_V
ClientSampleId :
EXZ32MS

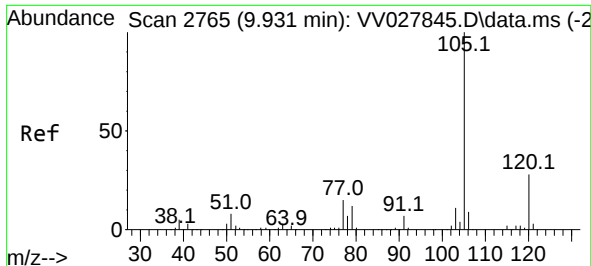
Tgt Ion:106 Resp: 1184
Ion Ratio Lower Upper
106 100
91 175.3 142.4 264.4



#54
o-Xylene
Concen: 0.150 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

Tgt Ion:106 Resp: 2269
Ion Ratio Lower Upper
106 100
91 192.9 147.5 273.9

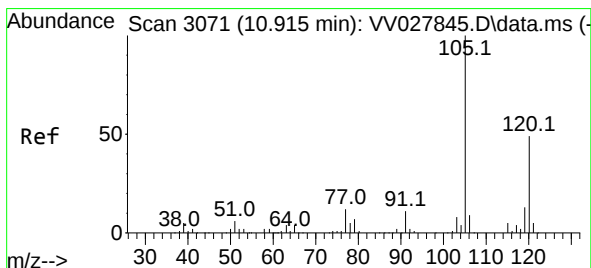
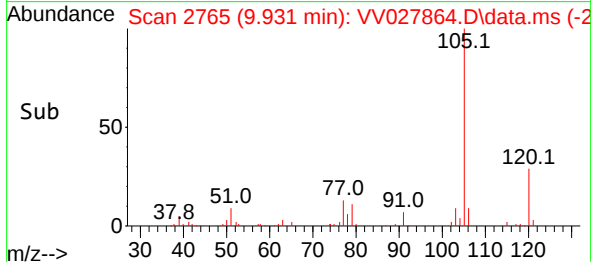
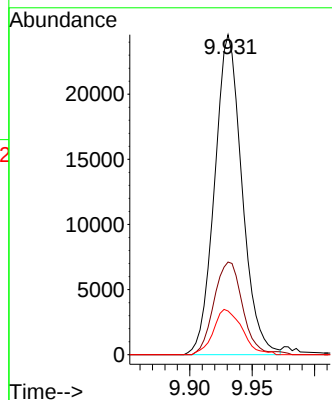
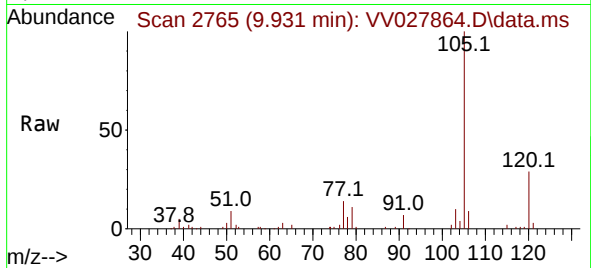




#60
Isopropylbenzene
Concen: 0.920 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

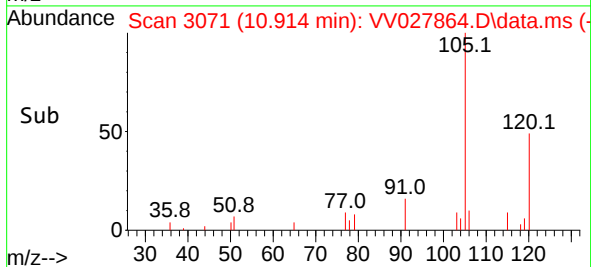
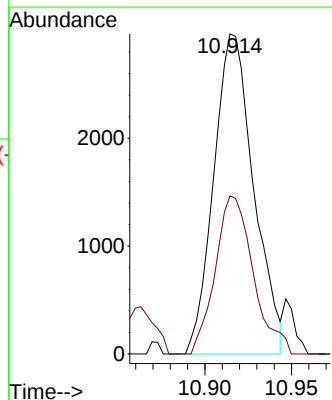
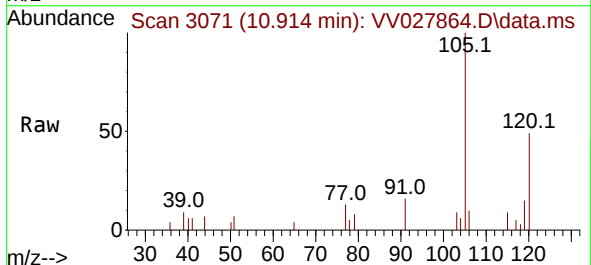
Instrument :
MSVOA_V
ClientSampleId :
EXZ32MS

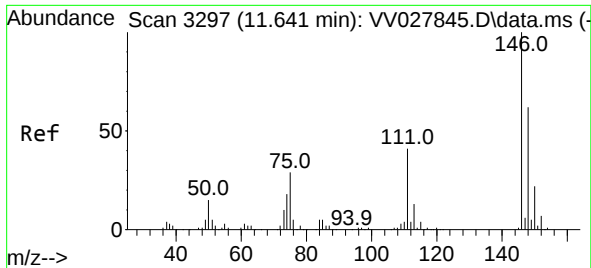
Tgt Ion:105 Resp: 37655
Ion Ratio Lower Upper
105 100
120 30.3 21.3 31.9
77 14.9 12.6 18.8



#63
1,2,4-Trimethylbenzene
Concen: 0.145 ug/L
RT: 10.914 min Scan# 3071
Delta R.T. -0.000 min
Lab File: VV027864.D
Acq: 15 Sep 2022 19:05

Tgt Ion:105 Resp: 4760
Ion Ratio Lower Upper
105 100
120 46.9 37.4 56.0





#67

1,2-Dichlorobenzene

Concen: 0.717 ug/L

RT: 11.641 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV027864.D

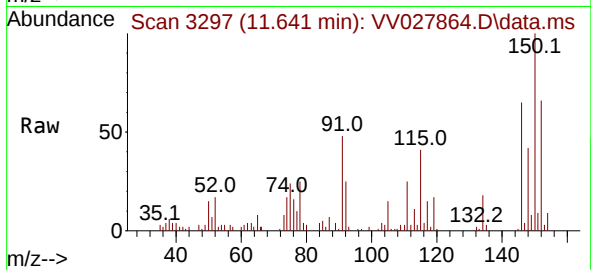
Acq: 15 Sep 2022 19:05

Instrument :

MSVOA_V

ClientSampleId :

EXZ32MS



Tgt Ion:146 Resp: 13481

Ion Ratio Lower Upper

146 100

111 39.0 33.1 49.7

148 65.4 49.8 74.6

