

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071822\
 Data File : VW026810.D
 Acq On : 18 Jul 2022 14:51
 Operator : SY/MD
 Sample : N3710-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0B08

Quant Time: Jul 19 03:10:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 19 03:06:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	205149	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	198708	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	107646	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	65765	3.514	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.561	69	64844	4.010	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.200%
11) 1,1-Dichloroethene-d2	2.101	63	89648	2.495	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.000%#
20) 2-Butanone-d5	3.873	46	210203	71.963	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	143.920%#
24) Chloroform-d	4.342	84	150298	4.593	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	5.031	65	75598	5.288	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	5.047	84	264824	4.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.069	67	93891	5.186	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.800%
41) Toluene-d8	7.317	98	199392	3.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	7.625	79	27867	4.705	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.085	63	169496	66.095	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.180%#
56) 1,1,2,2-Tetrachloroeth...	10.214	84	83594	5.927	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	102369	5.458	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	319579	12.254	ug/L	100
3) Chloromethane	1.240	50	2206	0.088	ug/L	97
5) Vinyl chloride	1.307	62	2565	0.101	ug/L #	53
6) Bromomethane	1.516	94	1188	0.078	ug/L	100
13) Acetone	1.947	43	55550	22.603	ug/L	88
14) Carbon disulfide	2.288	76	7466	0.141	ug/L	98
15) Methyl Acetate	2.622	43	36371	7.317	ug/L #	50
17) Methyl tert-butyl Ether	2.767	73	15193	0.490	ug/L #	88
21) 2-Butanone	3.886	43	29131	10.164	ug/L	76
27) 1,2-Dichloroethane	5.098	62	4138	0.243	ug/L #	72
30) Cyclohexane	4.674	56	11263	0.494	ug/L	97
33) Benzene	5.095	78	507595	7.641	ug/L	100
35) Methylcyclohexane	6.130	83	5469	0.219	ug/L	91
42) Toluene	7.394	91	21453	0.320	ug/L	99
48) 2-Hexanone	8.082	43	51083	9.619	ug/L #	55
51) Chlorobenzene	8.882	112	121319	2.860	ug/L	97
52) Ethylbenzene	9.018	91	9582	0.144	ug/L	90
53) m,p-Xylene	9.140	106	37550	1.454	ug/L	97
54) o-Xylene	9.542	106	22754	0.927	ug/L	98

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

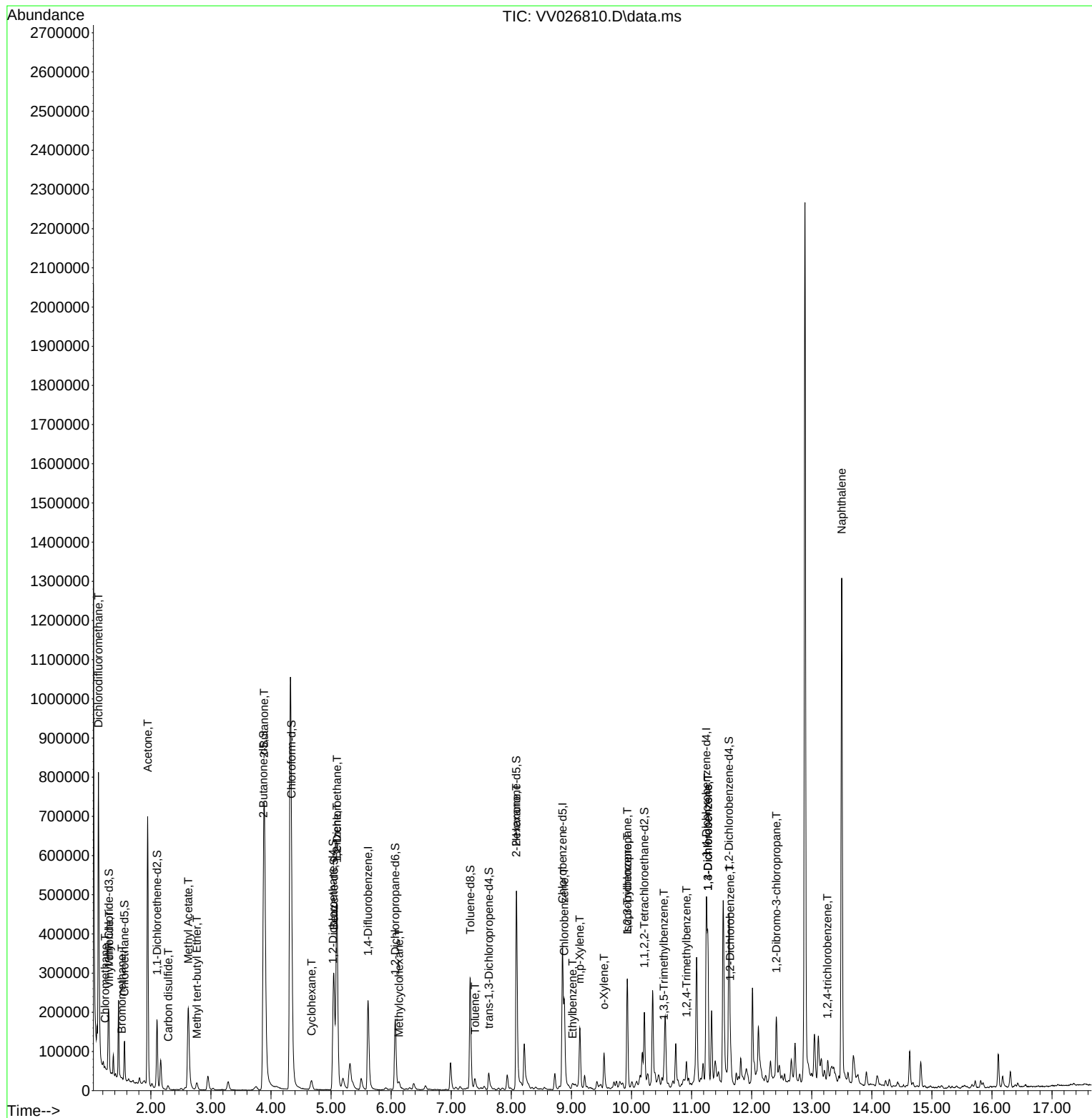
60) Isopropylbenzene	9.931	105	173513	2.584	ug/L	99
61) 1,2,3-Trichloropropane	9.931	75	2566	0.258	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	15378	0.288	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	30509	0.562	ug/L	94
64) 1,3-Dichlorobenzene	11.271	146	144013	4.378	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	144013	4.306	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	16983	0.553	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.413	75	1167	0.555	ug/L #	6
70) 1,2,4-trichlorobenzene	13.262	180	2875	0.163	ug/L #	76
71) Naphthalene	13.500	128	970597	33.131	ug/L	99

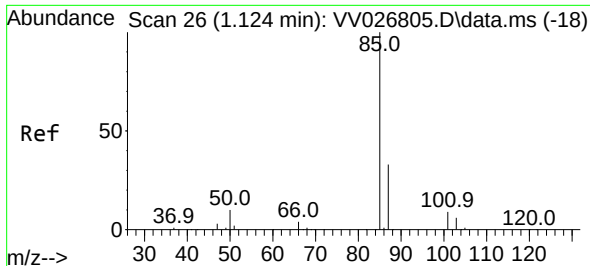
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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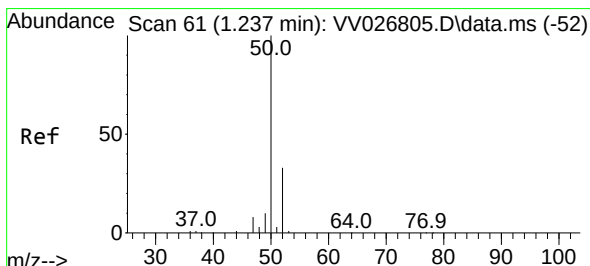
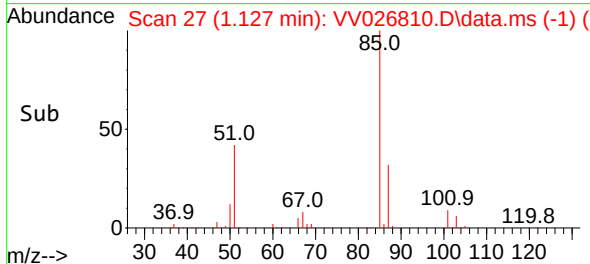
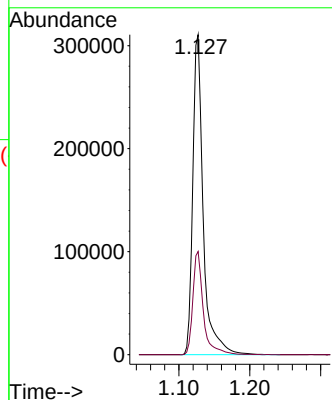
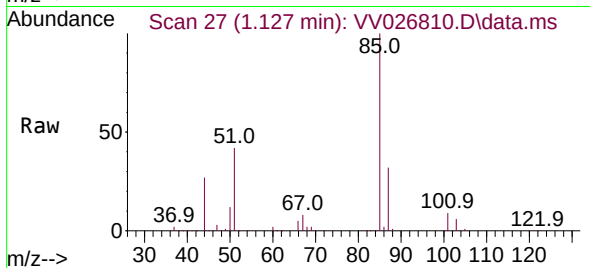




#2
 Dichlorodifluoromethane
 Concen: 12.254 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV026810.D
 Acq: 18 Jul 2022 14:51

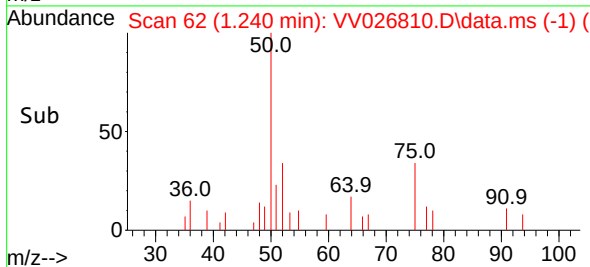
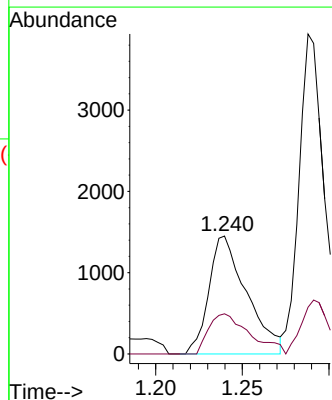
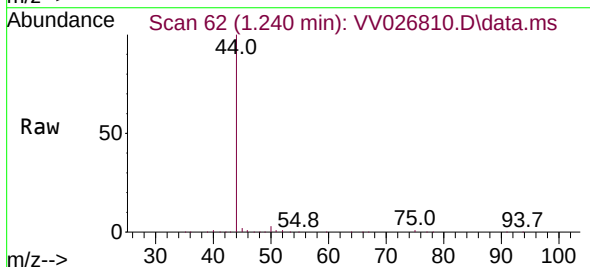
Instrument :
 MSVOA_V
 ClientSampleId :
 H0B08

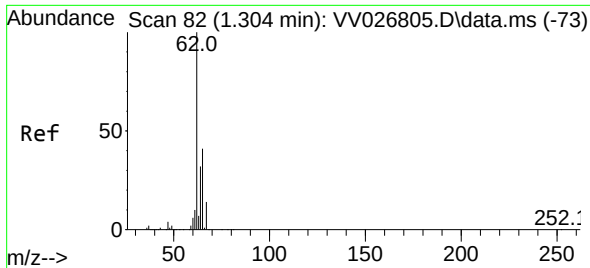
Tgt Ion: 85 Resp: 319579
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.8



#3
 Chloromethane
 Concen: 0.088 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV026810.D
 Acq: 18 Jul 2022 14:51

Tgt Ion: 50 Resp: 2206
 Ion Ratio Lower Upper
 50 100
 52 34.1 22.8 42.4

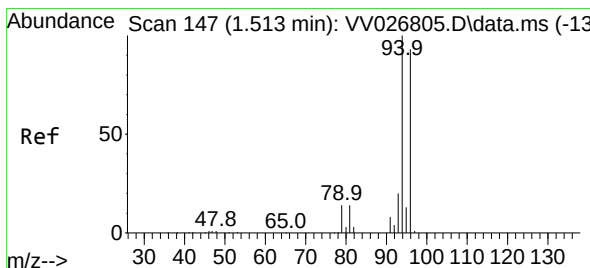
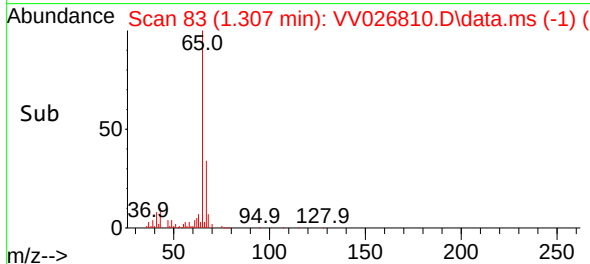
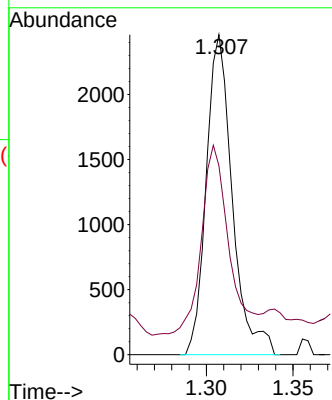
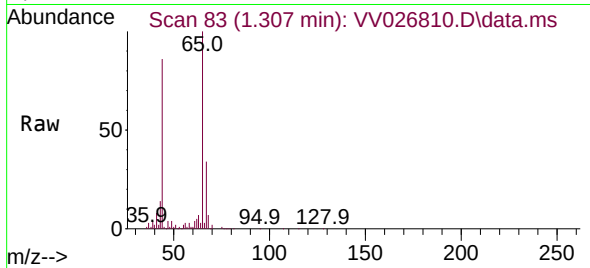




#5
 Vinyl chloride
 Concen: 0.101 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV026810.D
 Acq: 18 Jul 2022 14:51

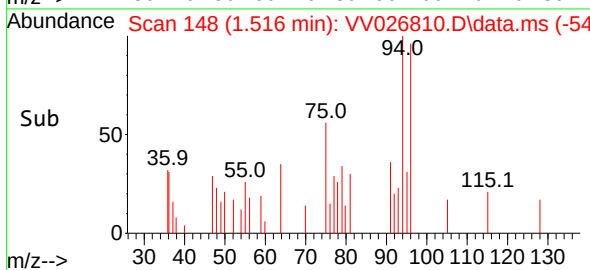
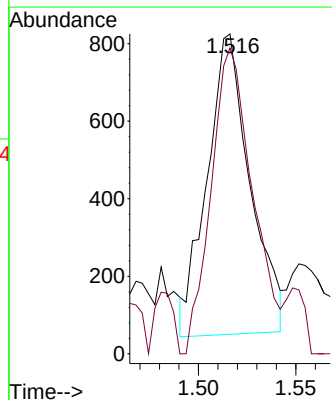
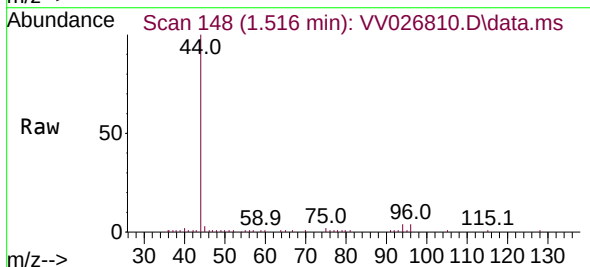
Instrument :
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 ClientSampleId :
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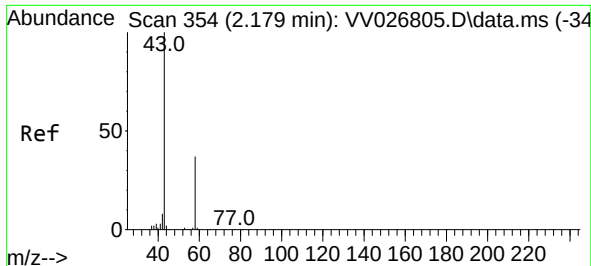
Tgt Ion: 62 Resp: 2565
 Ion Ratio Lower Upper
 62 100
 64 59.0 22.9 42.5#



#6
 Bromomethane
 Concen: 0.078 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. 0.003 min
 Lab File: VV026810.D
 Acq: 18 Jul 2022 14:51

Tgt Ion: 94 Resp: 1188
 Ion Ratio Lower Upper
 94 100
 96 95.6 67.1 124.7

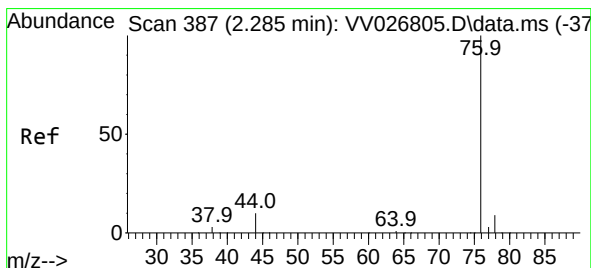
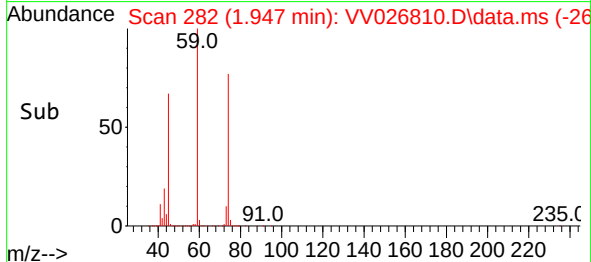
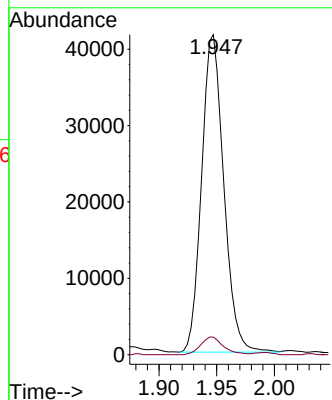
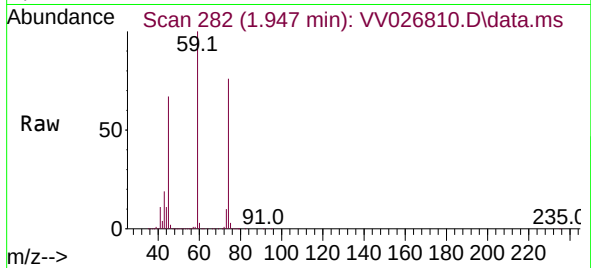




#13
Acetone
Concen: 22.603 ug/L
RT: 1.947 min Scan# 21
Delta R.T. -0.232 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

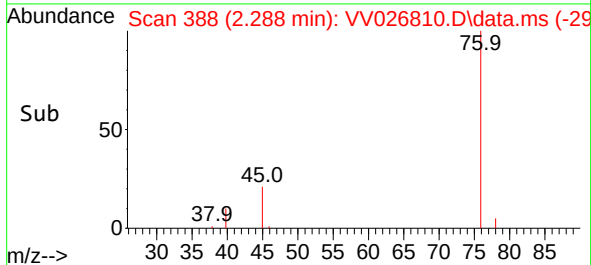
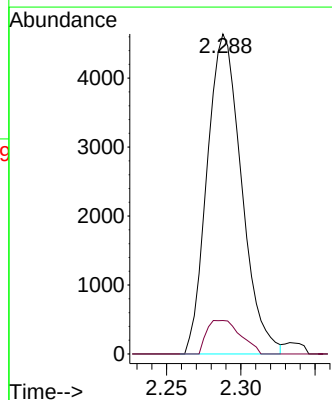
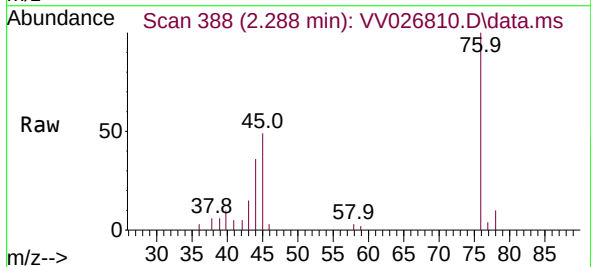
Instrument :
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ClientSampleId :
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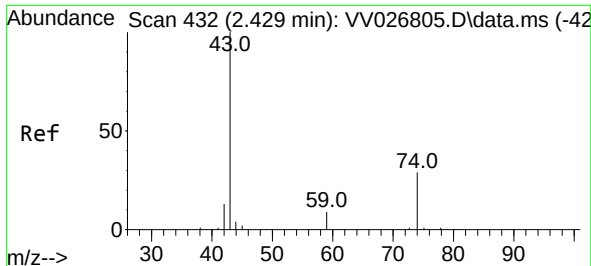
Tgt Ion: 43 Resp: 55550
Ion Ratio Lower Upper
43 100
58 5.7 0.0 20.6



#14
Carbon disulfide
Concen: 0.141 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.003 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

Tgt Ion: 76 Resp: 7466
Ion Ratio Lower Upper
76 100
78 10.5 7.7 11.5

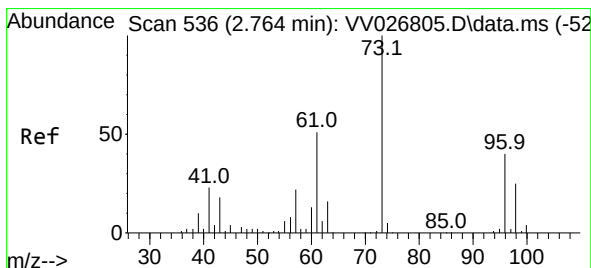
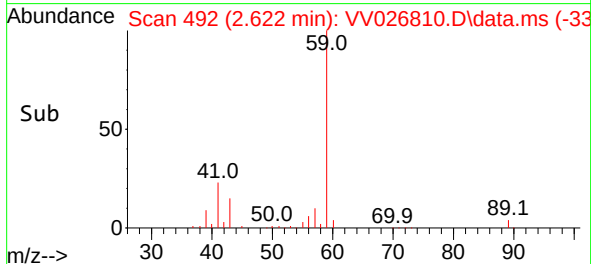
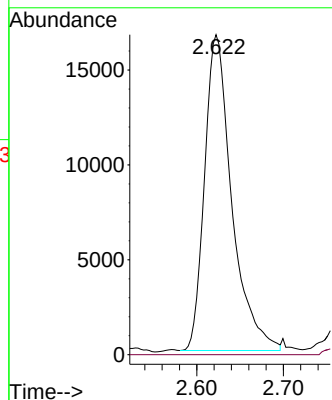
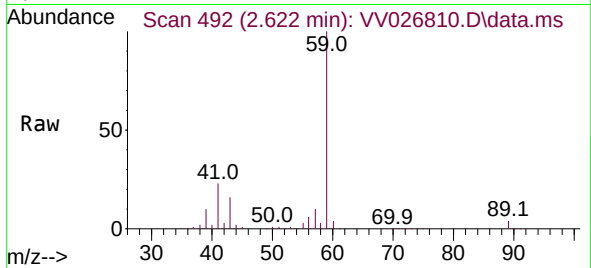




#15
Methyl Acetate
Concen: 7.317 ug/L
RT: 2.622 min Scan# 492
Delta R.T. 0.193 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

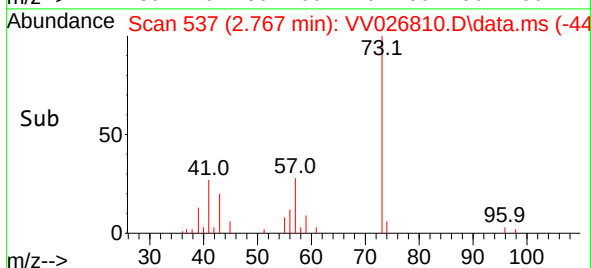
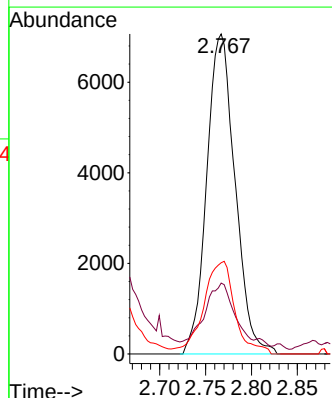
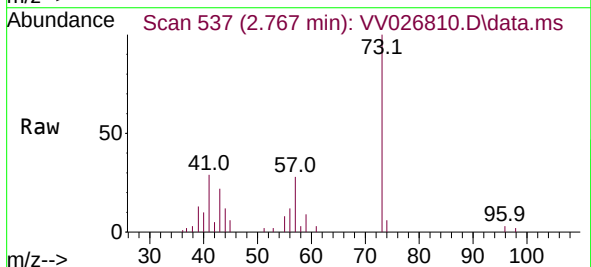
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MSVOA_V
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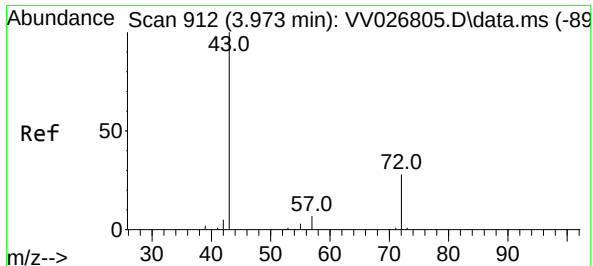
Tgt Ion: 43 Resp: 36371
Ion Ratio Lower Upper
43 100
74 0.1 20.1 30.1#



#17
Methyl tert-butyl Ether
Concen: 0.490 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV026810.D
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Tgt Ion: 73 Resp: 15193
Ion Ratio Lower Upper
73 100
43 17.8 14.0 21.0
57 32.1 17.6 26.4#





#21

2-Butanone

Concen: 10.164 ug/L

RT: 3.886 min Scan# 81

Delta R.T. -0.087 min

Lab File: VV026810.D

Acq: 18 Jul 2022 14:51

Instrument :

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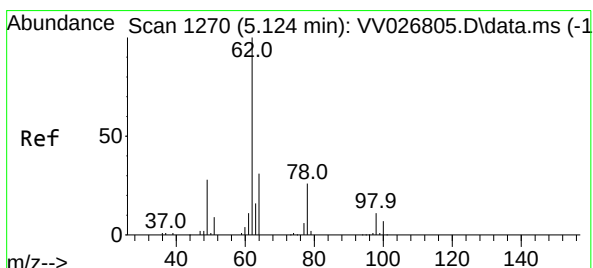
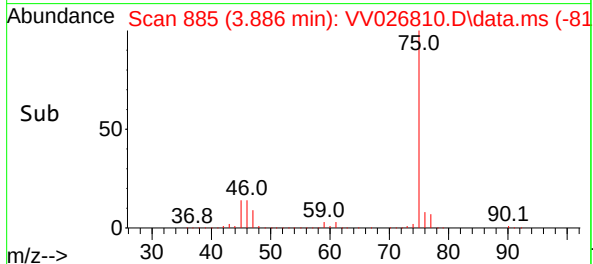
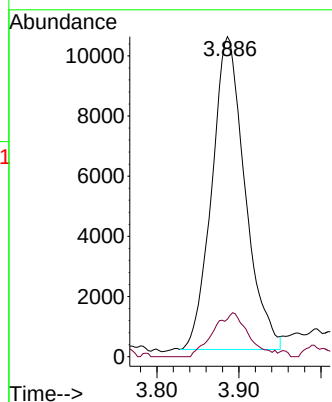
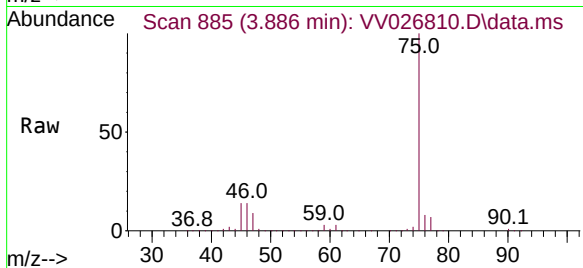
H0B08

Tgt Ion: 43 Resp: 29131

Ion Ratio Lower Upper

43 100

72 15.0 13.9 41.7



#27

1,2-Dichloroethane

Concen: 0.243 ug/L

RT: 5.098 min Scan# 1262

Delta R.T. -0.026 min

Lab File: VV026810.D

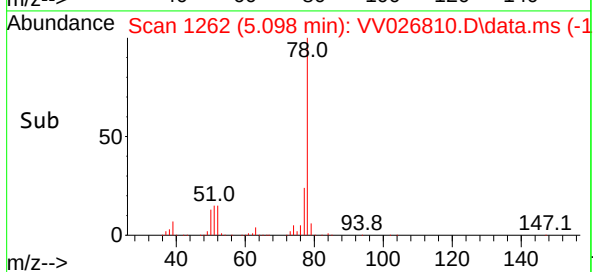
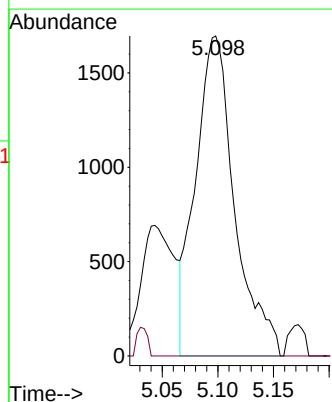
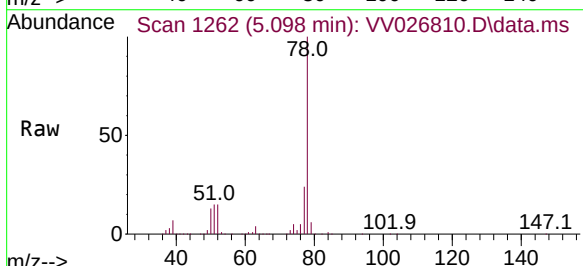
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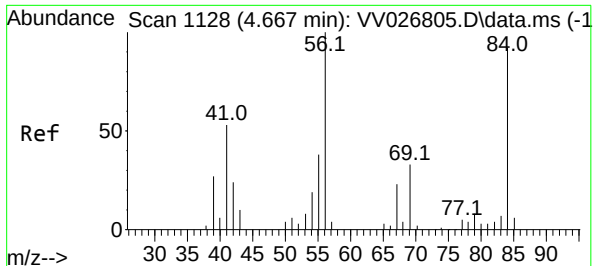
Tgt Ion: 62 Resp: 4138

Ion Ratio Lower Upper

62 100

98 0.0 8.3 12.5#

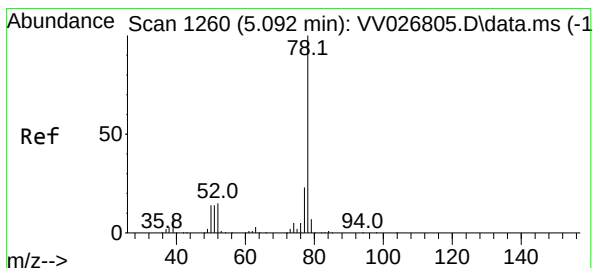
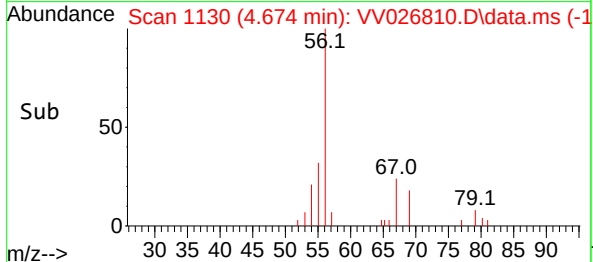
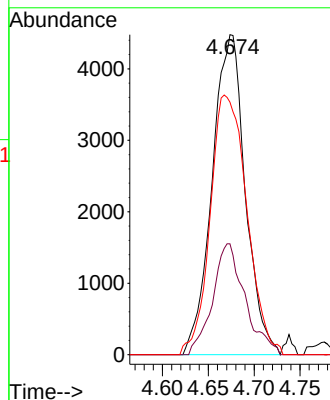
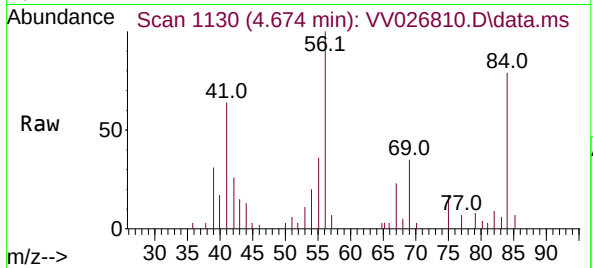




#30
Cyclohexane
Concen: 0.494 ug/L
RT: 4.674 min Scan# 1128
Delta R.T. 0.006 min
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Acq: 18 Jul 2022 14:51

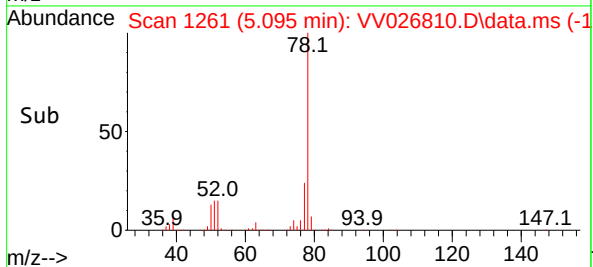
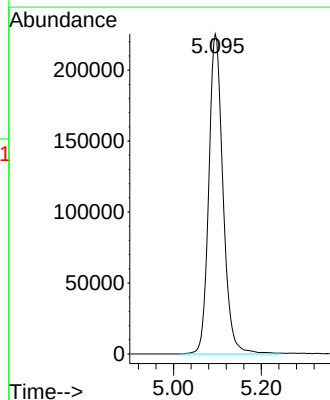
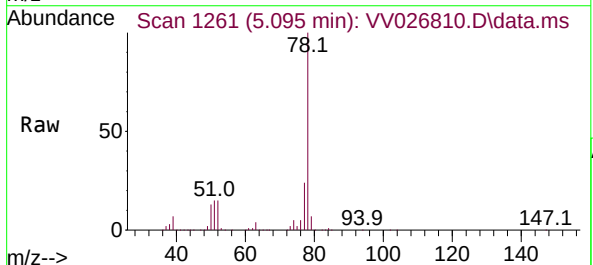
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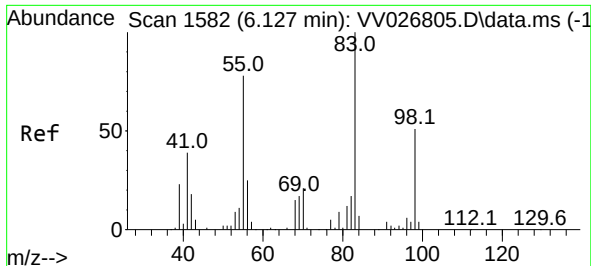
Tgt Ion: 56 Resp: 11263
Ion Ratio Lower Upper
56 100
69 33.8 25.1 37.7
84 89.6 74.0 111.0



#33
Benzene
Concen: 7.641 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.003 min
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Tgt Ion: 78 Resp: 507595

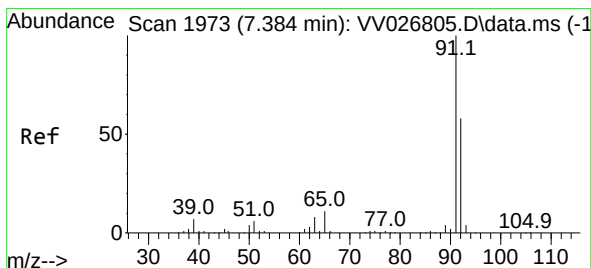
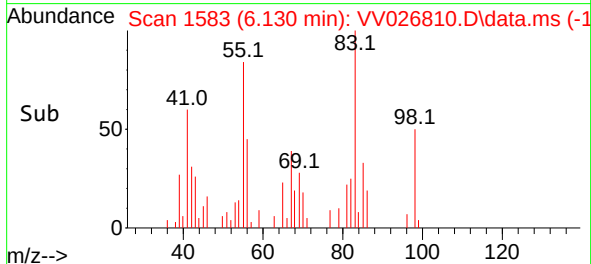
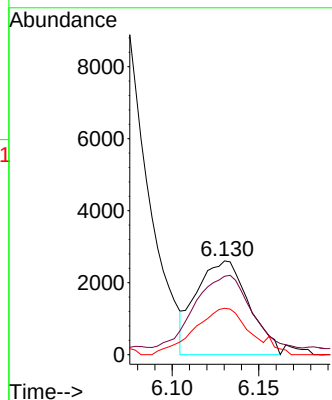
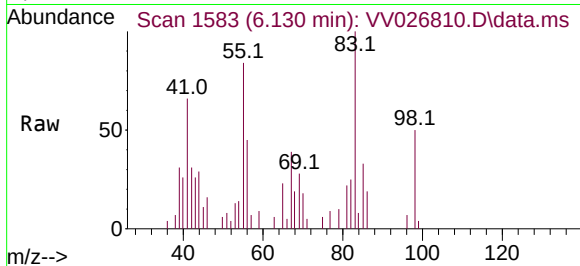




#35
Methylcyclohexane
Concen: 0.219 ug/L
RT: 6.130 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

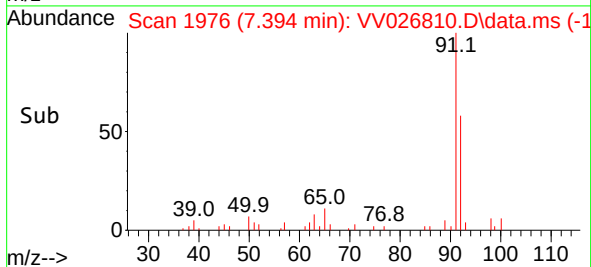
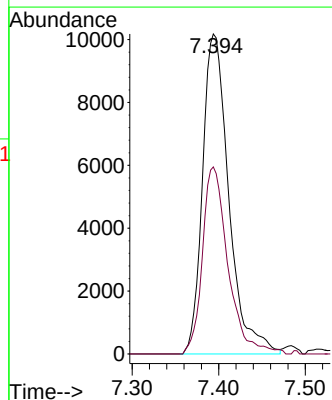
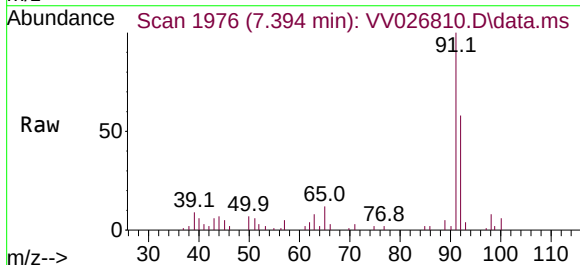
Instrument :
MSVOA_V
ClientSampleId :
H0B08

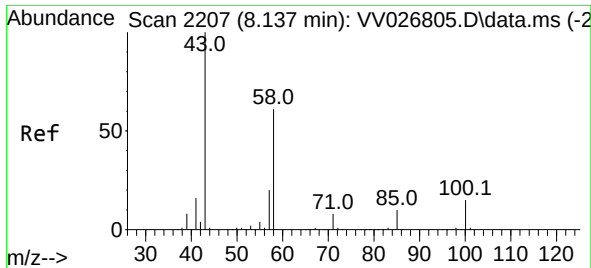
Tgt Ion: 83 Resp: 5469
Ion Ratio Lower Upper
83 100
55 83.6 59.5 89.3
98 52.9 38.3 57.5



#42
Toluene
Concen: 0.320 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.010 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

Tgt Ion: 91 Resp: 21453
Ion Ratio Lower Upper
91 100
92 58.4 40.2 74.6

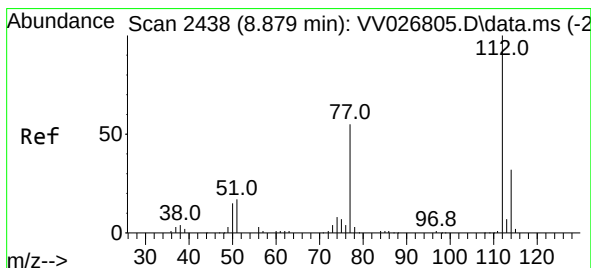
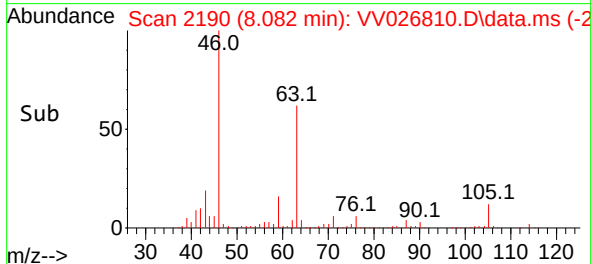
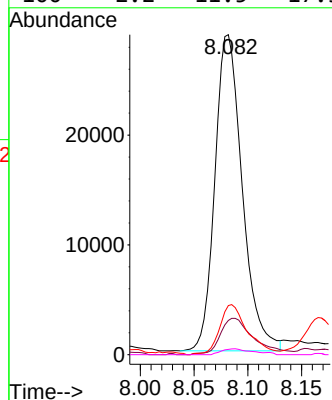
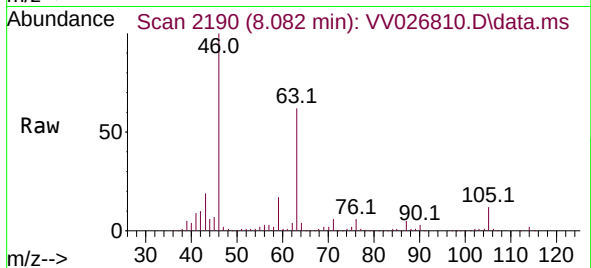




#48
2-Hexanone
Concen: 9.619 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.055 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

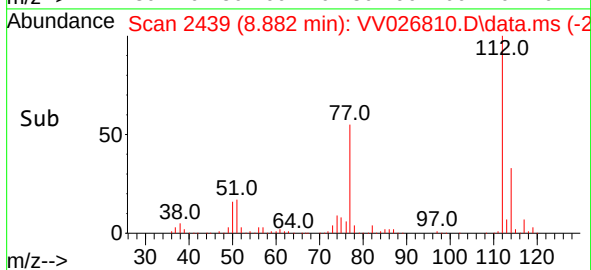
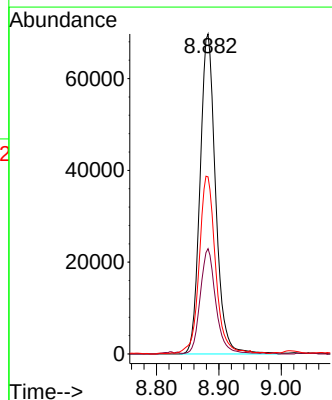
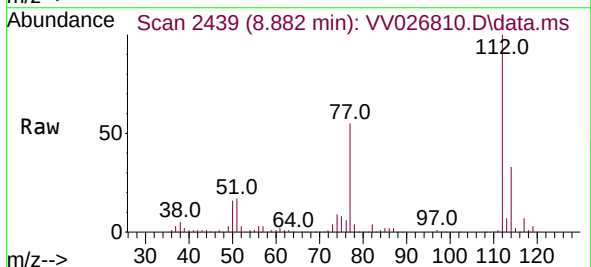
Instrument :
MSVOA_V
ClientSampleId :
H0B08

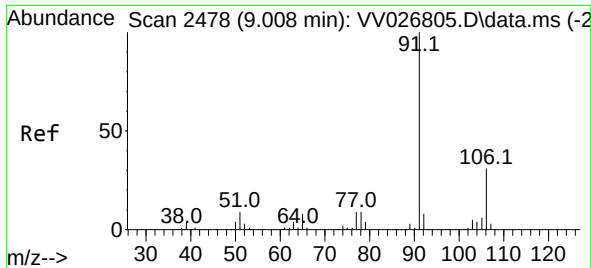
Tgt Ion: 43	Resp: 51083
Ion Ratio	Lower Upper
43 100	
58 14.1	47.9 71.9#
57 16.2	16.3 24.5#
100 2.2	11.5 17.3#



#51
Chlorobenzene
Concen: 2.860 ug/L
RT: 8.882 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

Tgt Ion:112	Resp: 121319
Ion Ratio	Lower Upper
112 100	
114 32.9	22.7 42.1
77 55.4	46.6 70.0

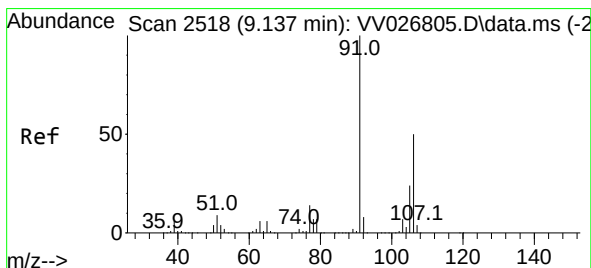
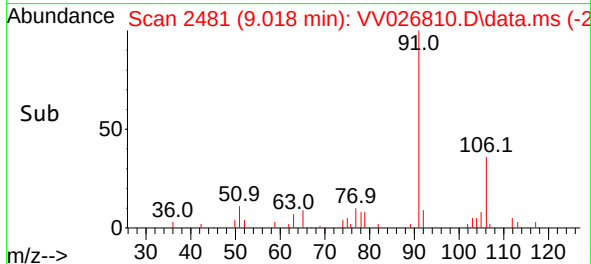
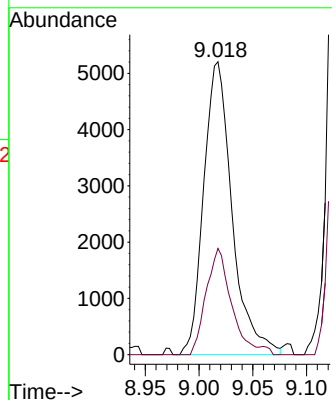
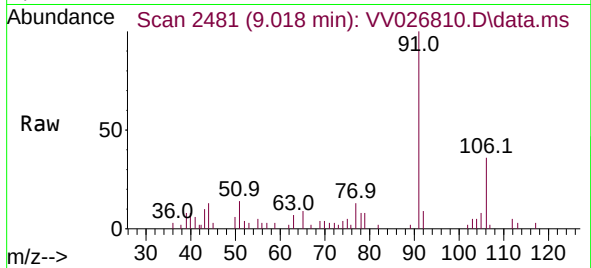




#52
Ethylbenzene
Concen: 0.144 ug/L
RT: 9.018 min Scan# 2478
Delta R.T. 0.010 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

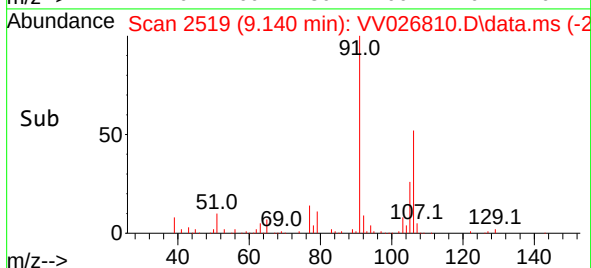
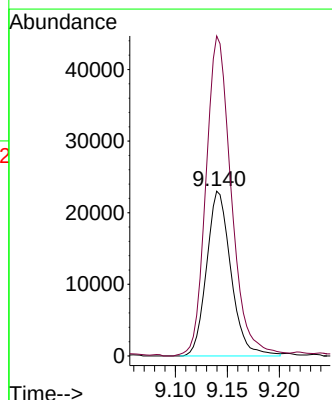
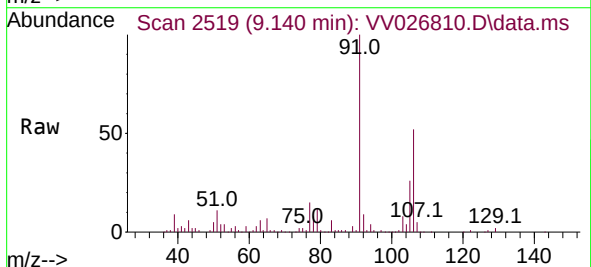
Instrument :
MSVOA_V
ClientSampleId :
H0B08

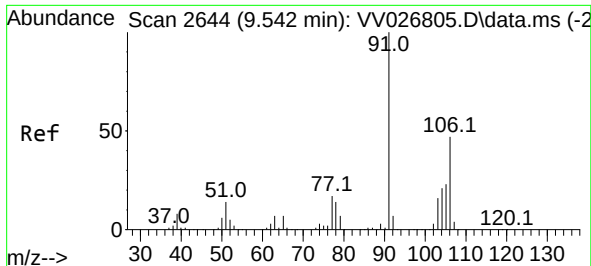
Tgt Ion: 91 Resp: 9582
Ion Ratio Lower Upper
91 100
106 36.3 21.6 40.2



#53
m,p-Xylene
Concen: 1.454 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

Tgt Ion: 106 Resp: 37550
Ion Ratio Lower Upper
106 100
91 194.1 139.3 258.7

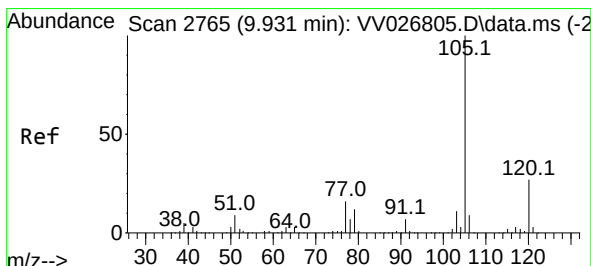
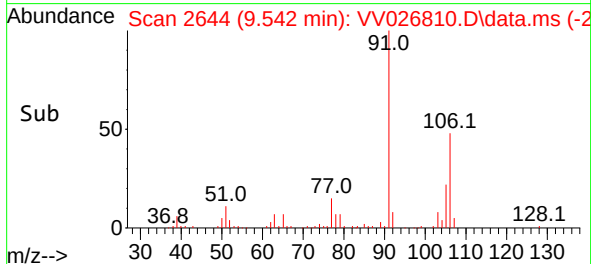
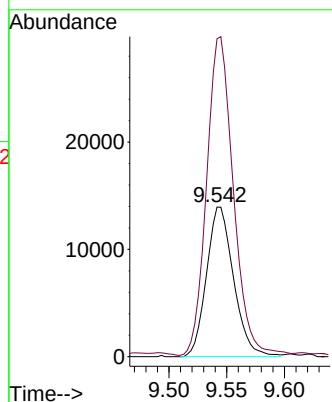
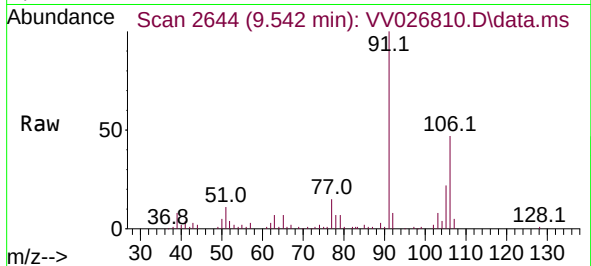




#54
o-Xylene
Concen: 0.927 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

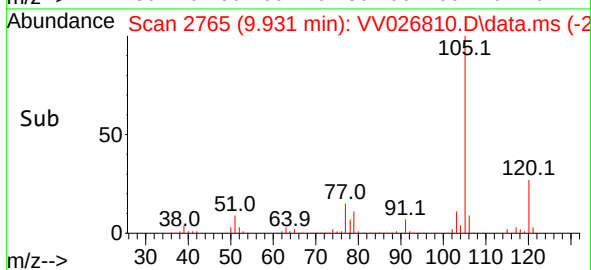
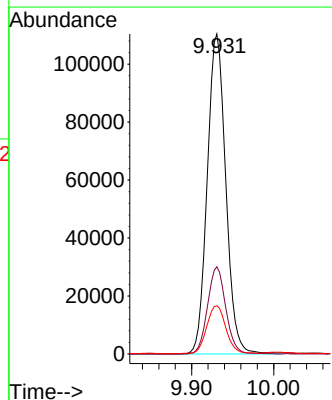
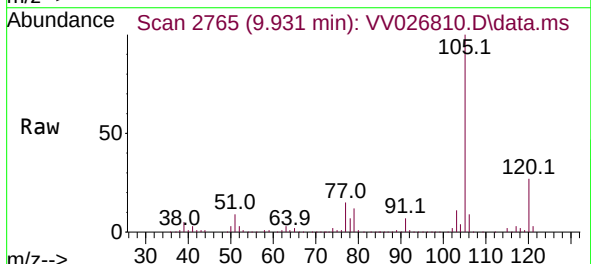
Instrument :
MSVOA_V
ClientSampleId :
H0B08

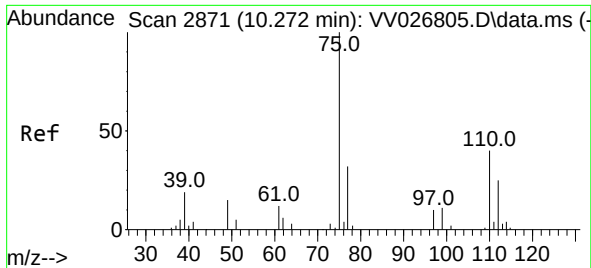
Tgt Ion:106 Resp: 22754
Ion Ratio Lower Upper
106 100
91 212.5 151.1 280.7



#60
Isopropylbenzene
Concen: 2.584 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

Tgt Ion:105 Resp: 173513
Ion Ratio Lower Upper
105 100
120 26.8 20.7 31.1
77 15.9 12.5 18.7

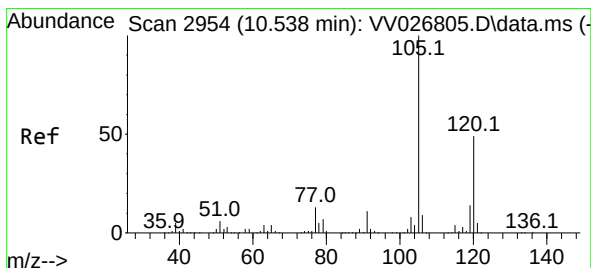
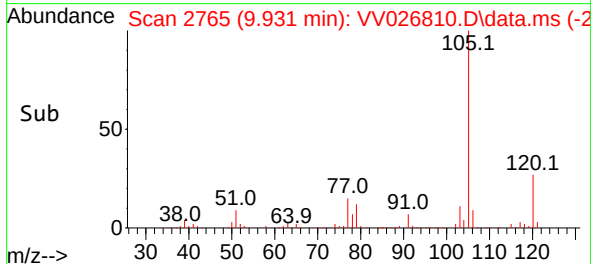
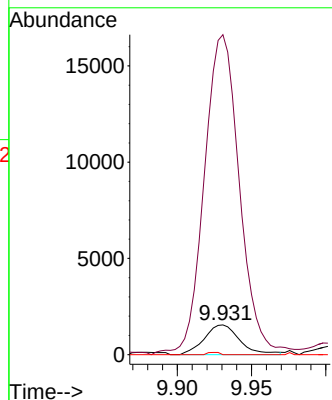
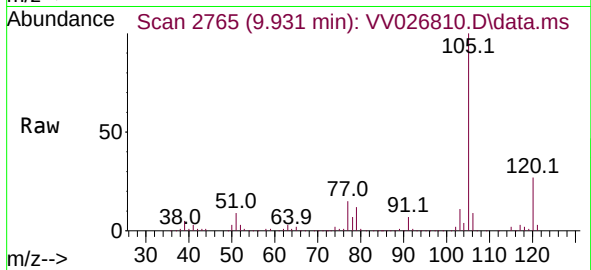




#61
1,2,3-Trichloropropane
Concen: 0.258 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.341 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

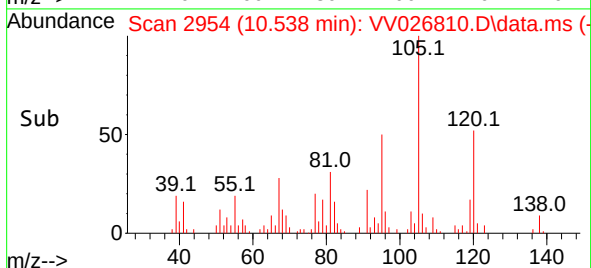
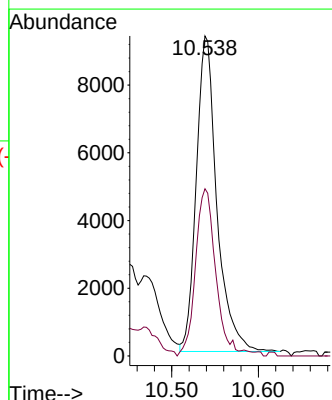
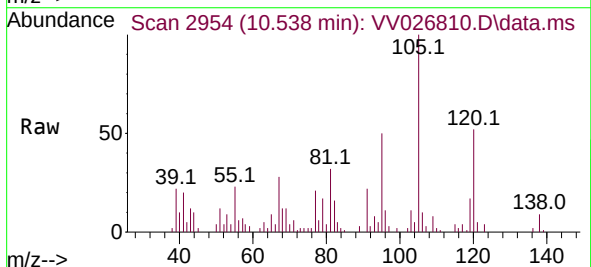
Instrument :
MSVOA_V
ClientSampleId :
H0B08

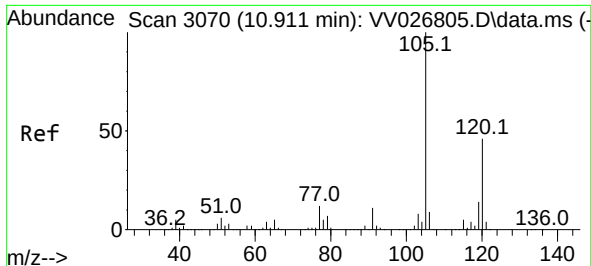
Tgt Ion: 75 Resp: 2566
Ion Ratio Lower Upper
75 100
77 1073.7 25.4 38.0#
110 0.0 31.8 47.6#



#62
1,3,5-Trimethylbenzene
Concen: 0.288 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

Tgt Ion: 105 Resp: 15378
Ion Ratio Lower Upper
105 100
120 51.6 39.6 59.4

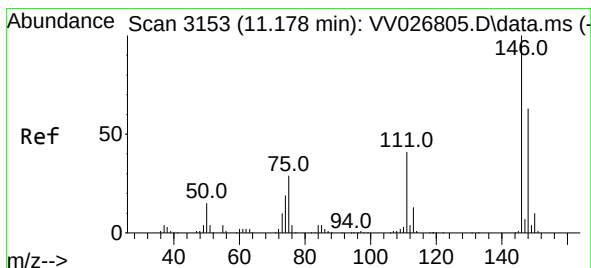
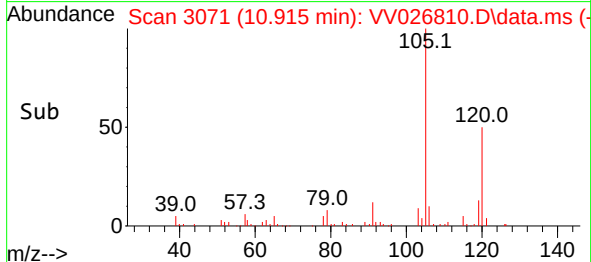
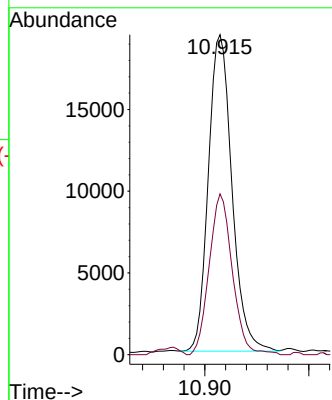
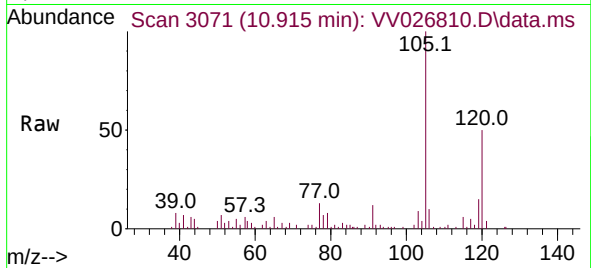




#63
1,2,4-Trimethylbenzene
Concen: 0.562 ug/L
RT: 10.915 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

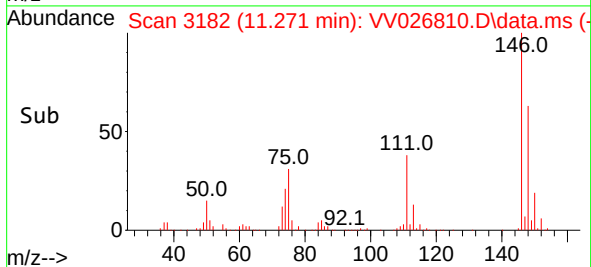
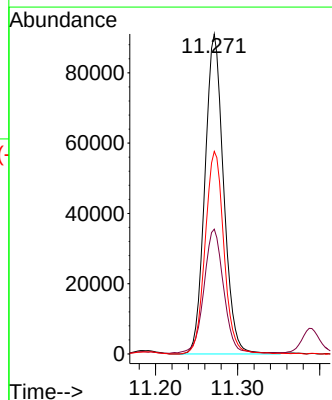
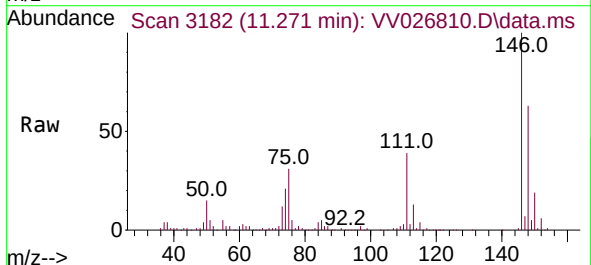
Instrument :
MSVOA_V
ClientSampleId :
H0B08

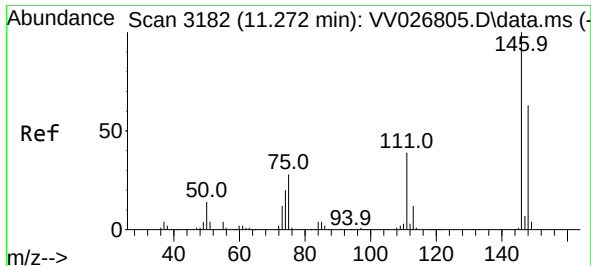
Tgt Ion:105 Resp: 30509
Ion Ratio Lower Upper
105 100
120 49.9 36.8 55.2



#64
1,3-Dichlorobenzene
Concen: 4.378 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.093 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

Tgt Ion:146 Resp: 144013
Ion Ratio Lower Upper
146 100
111 39.0 27.9 51.7
148 63.3 44.9 83.5

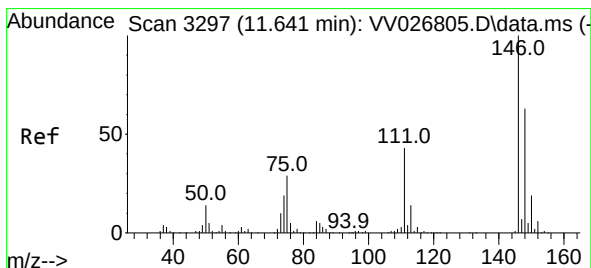
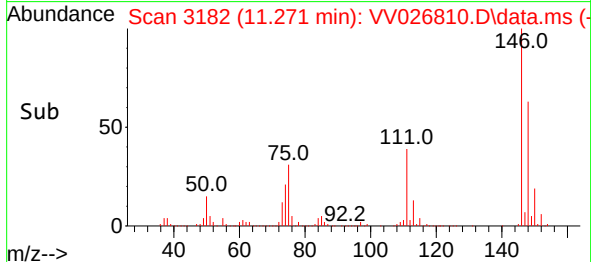
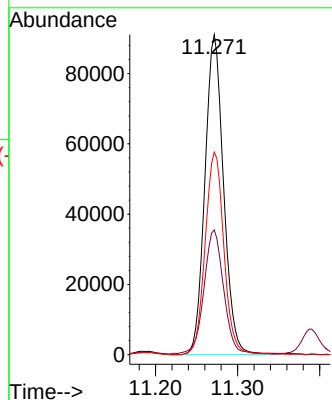
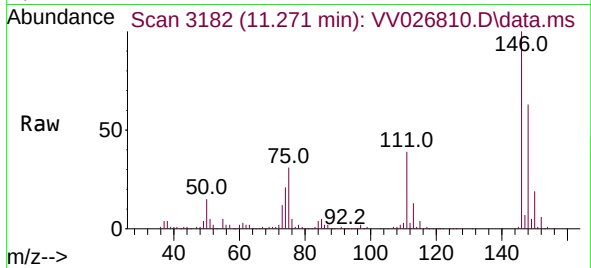




#65
1,4-Dichlorobenzene
Concen: 4.306 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

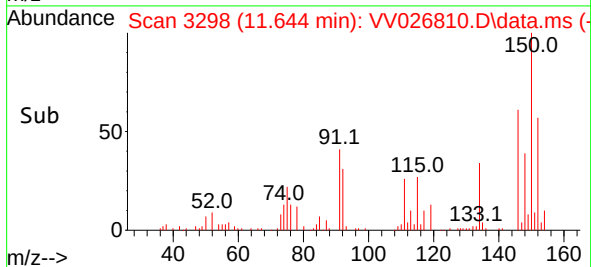
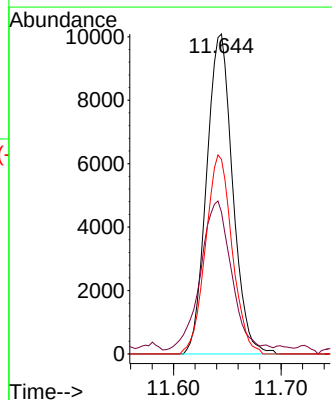
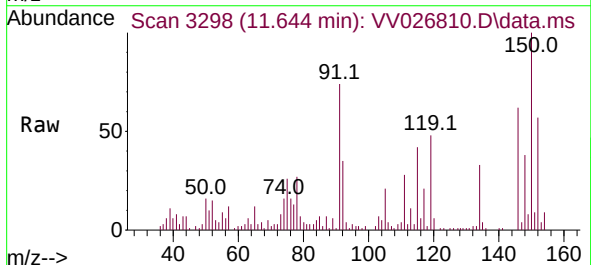
Instrument :
MSVOA_V
ClientSampleId :
H0B08

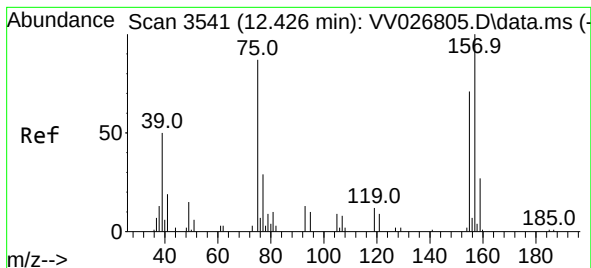
Tgt Ion:146 Resp: 144013
Ion Ratio Lower Upper
146 100
111 39.0 26.8 49.8
148 63.3 43.3 80.5



#67
1,2-Dichlorobenzene
Concen: 0.553 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

Tgt Ion:146 Resp: 16983
Ion Ratio Lower Upper
146 100
111 44.3 34.6 52.0
148 60.8 51.0 76.4

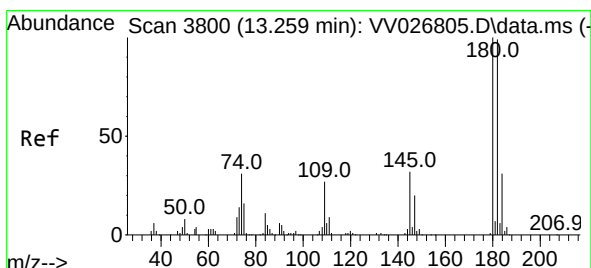
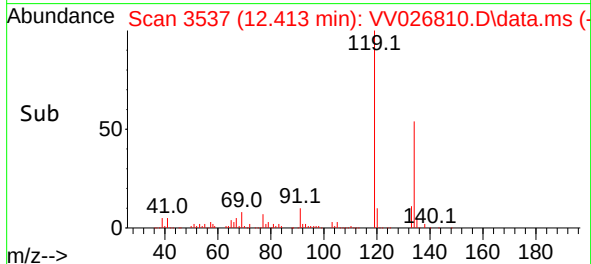
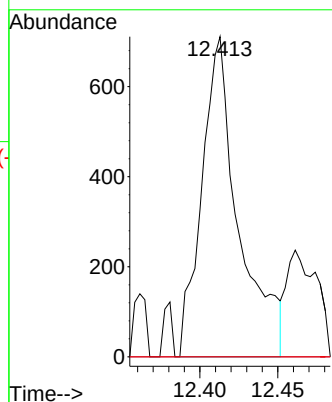
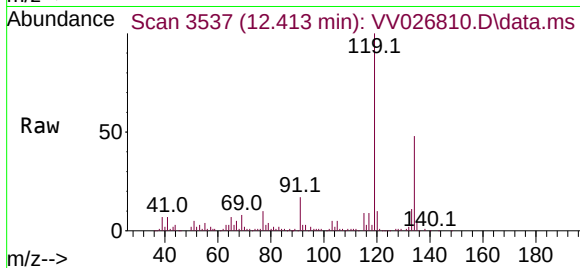




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.555 ug/L
 RT: 12.413 min Scan# 311
 Delta R.T. -0.013 min
 Lab File: VV026810.D
 Acq: 18 Jul 2022 14:51

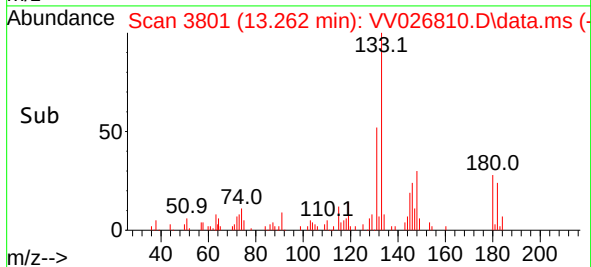
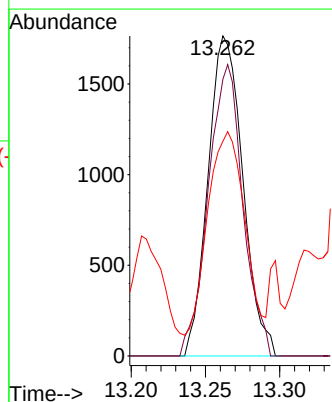
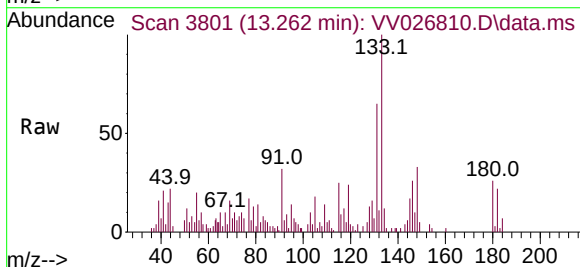
Instrument :
 MSVOA_V
 ClientSampleId :
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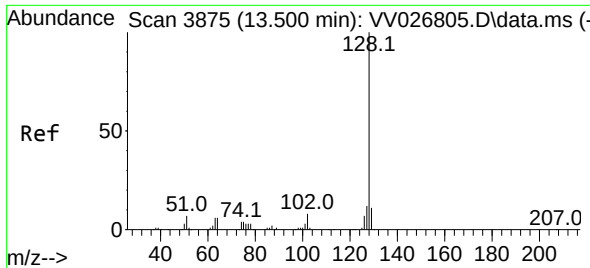
Tgt Ion: 75 Resp: 1167
 Ion Ratio Lower Upper
 75 100
 155 0.0 60.3 90.5#
 157 0.0 78.2 117.4#



#70
 1,2,4-trichlorobenzene
 Concen: 0.163 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.003 min
 Lab File: VV026810.D
 Acq: 18 Jul 2022 14:51

Tgt Ion: 180 Resp: 2875
 Ion Ratio Lower Upper
 180 100
 182 90.5 74.7 112.1
 145 79.5 24.7 37.1#





#71
Naphthalene
Concen: 33.131 ug/L
RT: 13.500 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV026810.D
Acq: 18 Jul 2022 14:51

Instrument :
MSVOA_V
ClientSampleId :
H0B08

Tgt Ion:128 Resp: 970597
Ion Ratio Lower Upper
128 100
129 11.0 8.4 12.6
127 12.9 10.7 16.1

