

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092722\
 Data File : VW028135.D
 Acq On : 27 Sep 2022 13:29
 Operator : SY/MD
 Sample : N4820-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB8L6

Quant Time: Sep 28 03:10:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 28 03:08:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	180213	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	180688	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	101109	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	57944	3.101	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.000%
7) Chloroethane-d5	1.561	69	54357	3.659	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.200%
11) 1,1-Dichloroethene-d2	2.098	63	80879	2.496	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.000%#
20) 2-Butanone-d5	3.896	46	174516	55.328	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.660%
24) Chloroform-d	4.339	84	129143	4.332	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.031	65	65603	4.624	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.043	84	244347	4.124	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.066	67	83959	4.546	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.313	98	197302	3.679	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
43) trans-1,3-Dichloroprop...	7.622	79	28821	4.320	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.085	63	153295	55.051	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.100%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	67466	5.344	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.800%
66) 1,2-Dichlorobenzene-d4	11.619	152	93814	4.730	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.237	50	2279	0.128	ug/L	98
5) Vinyl chloride	1.304	62	3011	0.215	ug/L #	69
13) Acetone	2.198	43	12875	5.299	ug/L	91
14) Carbon disulfide	2.288	76	3292	0.138	ug/L #	90
15) Methyl Acetate	2.198	43	12875	2.730	ug/L #	56
17) Methyl tert-butyl Ether	2.761	73	2656	0.099	ug/L #	58
18) trans-1,2-Dichloroethene	2.754	96	522	0.048	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	2249	0.157	ug/L #	45
30) Cyclohexane	4.661	56	2773	0.173	ug/L #	28
33) Benzene	5.098	78	21145	0.421	ug/L	100
35) Methylcyclohexane	6.127	83	4684	0.273	ug/L	94
42) Toluene	7.391	91	22644	0.433	ug/L	100
44) trans-1,3-Dichloropropene	7.622	75	1167	0.078	ug/L #	68
45) 1,1,2-Trichloroethane	7.786	97	1443	0.153	ug/L #	16
51) Chlorobenzene	8.876	112	635148	18.093	ug/L	99
52) Ethylbenzene	9.018	91	1972	0.036	ug/L	93
53) m,p-Xylene	9.140	106	3722	0.175	ug/L	97
54) o-Xylene	9.542	106	2348	0.112	ug/L	85
57) 1,1,2,2-Tetrachloroethane	10.239	83	1914	0.174	ug/L #	48

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
 Data File : VV028135.D
 Acq On : 27 Sep 2022 13:29
 Operator : SY/MD
 Sample : N4820-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CB8L6

Quant Time: Sep 28 03:10:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 28 03:08:11 2022
 Response via : Initial Calibration

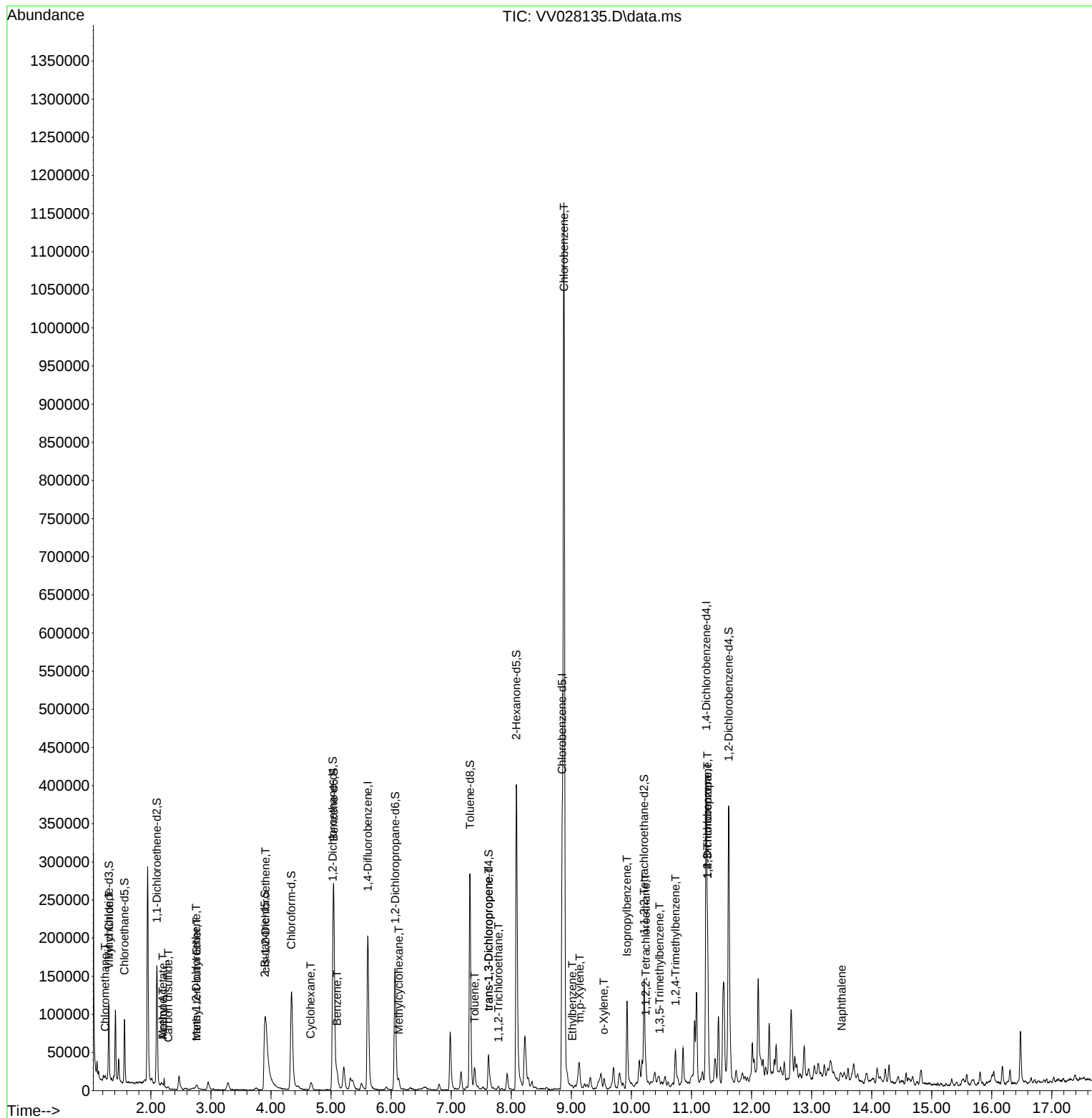
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.928	105	73170	1.233	ug/L	99
61) 1,2,3-Trichloropropane	11.268	75	31746	3.744	ug/L #	47
62) 1,3,5-Trimethylbenzene	10.468	105	5167	0.309	ug/L #	71
63) 1,2,4-Trimethylbenzene	10.735	105	18763	0.402	ug/L #	75
65) 1,4-Dichlorobenzene	11.268	146	72580	2.456	ug/L	98
71) Naphthalene	13.503	128	4147	0.135	ug/L	95

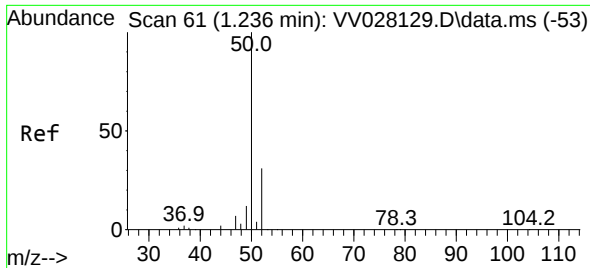
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092722\
Data File : VV028135.D
Acq On : 27 Sep 2022 13:29
Operator : SY/MD
Sample : N4820-05
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
CB8L6

Quant Time: Sep 28 03:10:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 28 03:08:11 2022
Response via : Initial Calibration

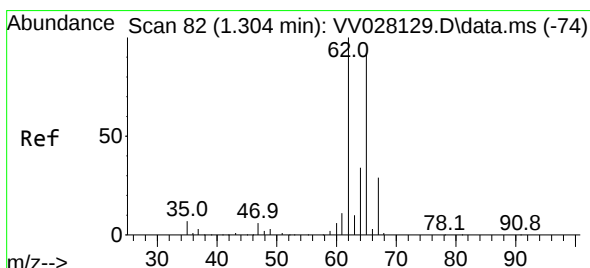
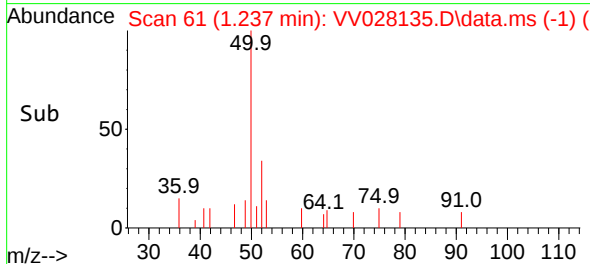
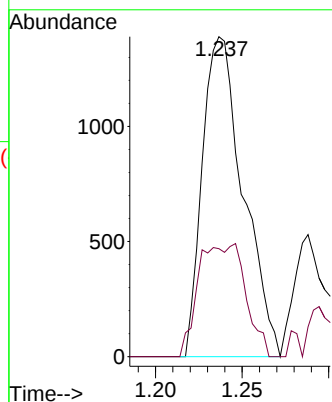
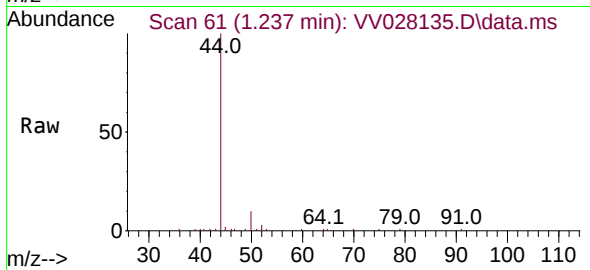




#3
Chloromethane
Concen: 0.128 ug/L
RT: 1.237 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

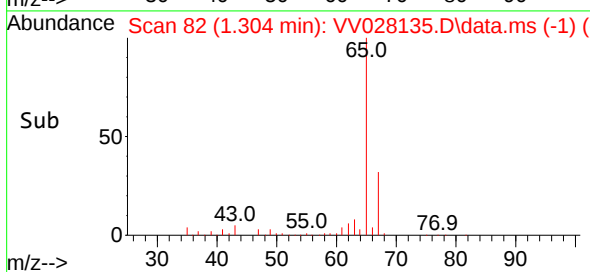
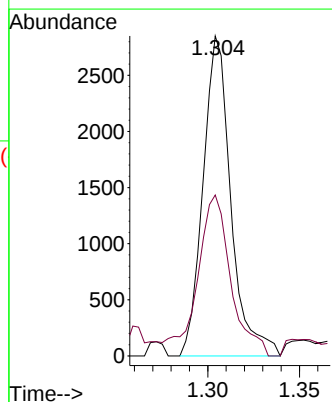
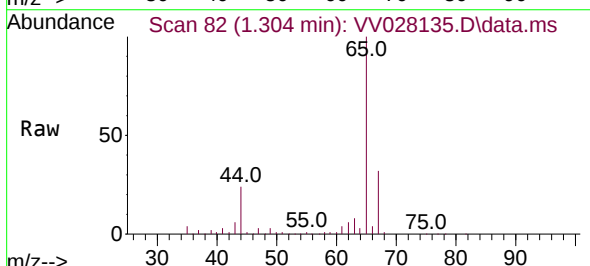
Instrument :
MSVOA_V
ClientSampleId :
CB8L6

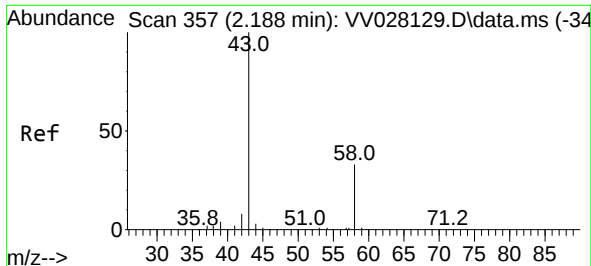
Tgt Ion: 50 Resp: 2279
Ion Ratio Lower Upper
50 100
52 33.7 24.4 45.2



#5
Vinyl chloride
Concen: 0.215 ug/L
RT: 1.304 min Scan# 82
Delta R.T. 0.000 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Tgt Ion: 62 Resp: 3011
Ion Ratio Lower Upper
62 100
64 50.3 23.0 42.8#

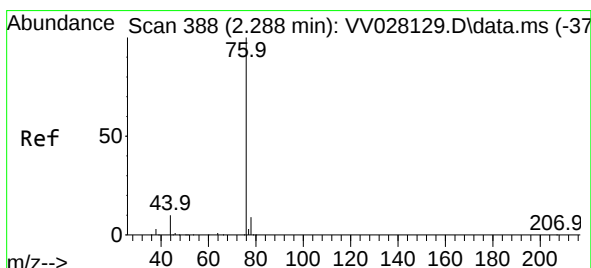
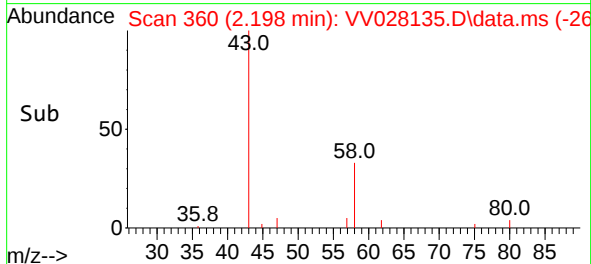
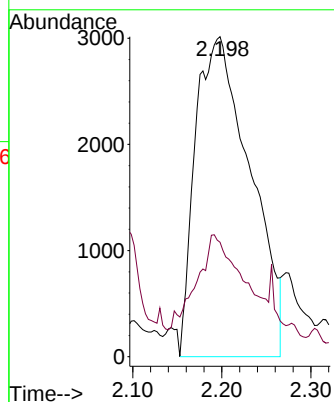
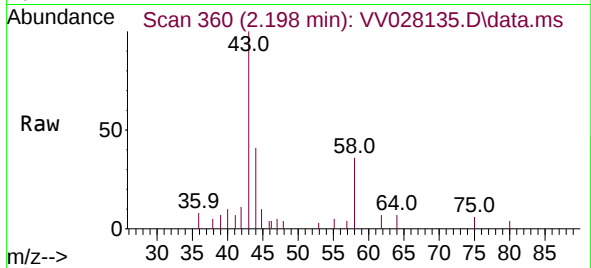




#13
Acetone
Concen: 5.299 ug/L
RT: 2.198 min Scan# 357
Delta R.T. 0.010 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

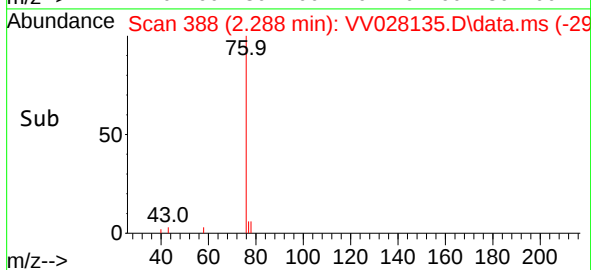
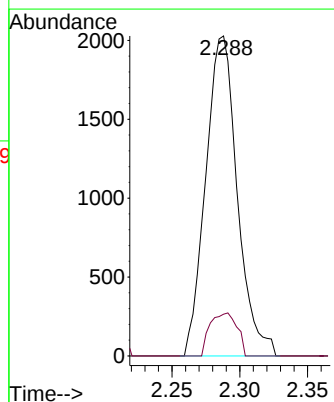
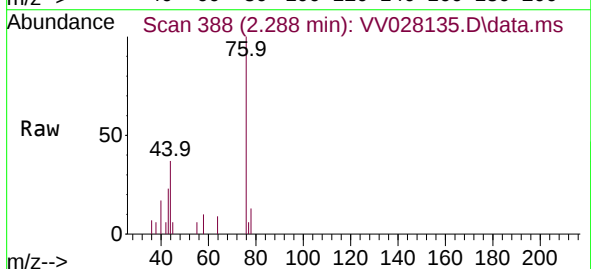
Instrument :
MSVOA_V
ClientSampleId :
CB8L6

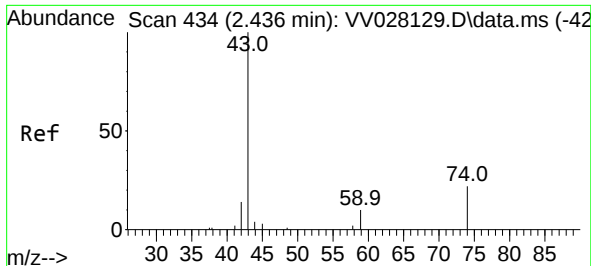
Tgt Ion: 43 Resp: 12875
Ion Ratio Lower Upper
43 100
58 27.5 0.0 65.6



#14
Carbon disulfide
Concen: 0.138 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.000 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Tgt Ion: 76 Resp: 3292
Ion Ratio Lower Upper
76 100
78 13.1 7.6 11.4#

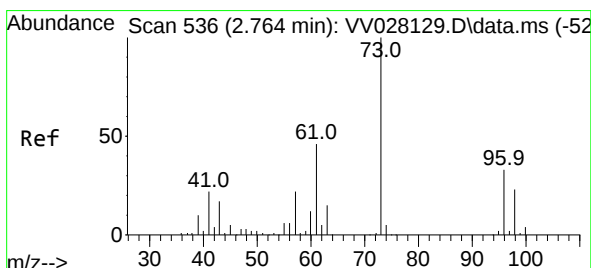
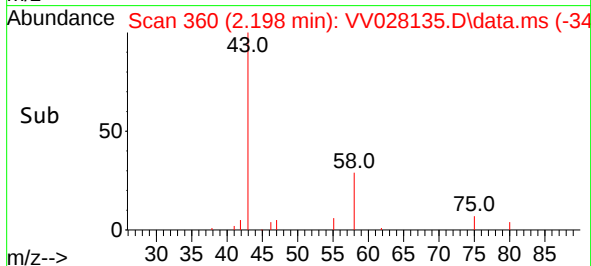
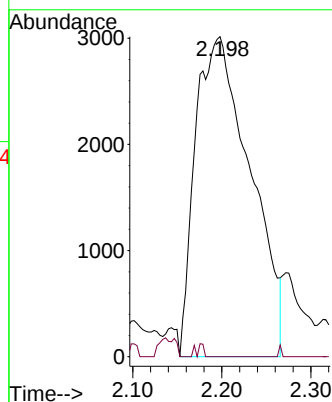
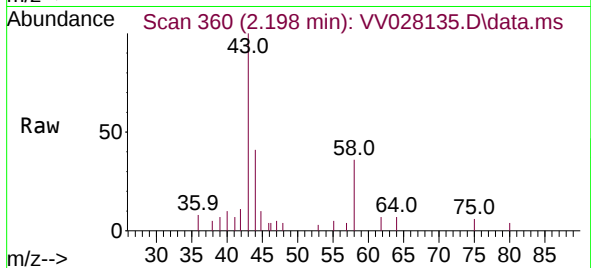




#15
Methyl Acetate
Concen: 2.730 ug/L
RT: 2.198 min Scan# 30
Delta R.T. -0.238 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

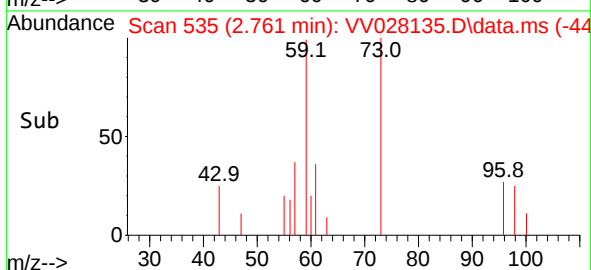
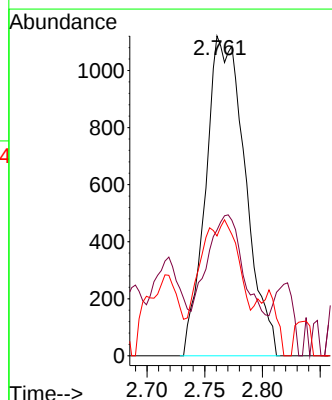
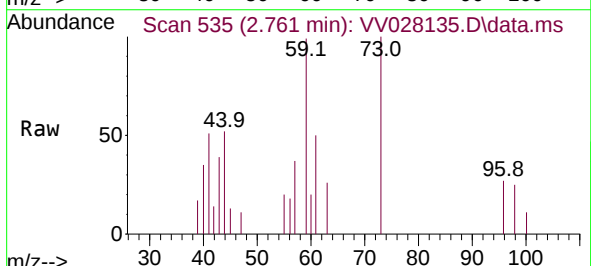
Instrument :
MSVOA_V
ClientSampleId :
CB8L6

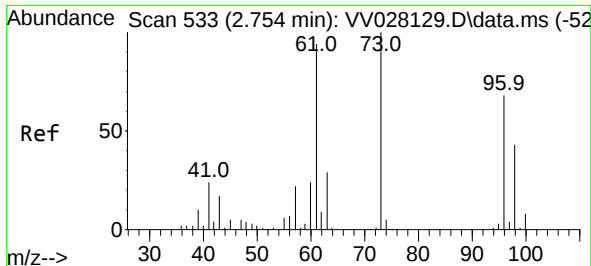
Tgt Ion: 43 Resp: 12875
Ion Ratio Lower Upper
43 100
74 0.5 16.9 25.3#



#17
Methyl tert-butyl Ether
Concen: 0.099 ug/L
RT: 2.761 min Scan# 535
Delta R.T. -0.003 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Tgt Ion: 73 Resp: 2656
Ion Ratio Lower Upper
73 100
43 36.9 15.7 23.5#
57 44.5 17.8 26.8#

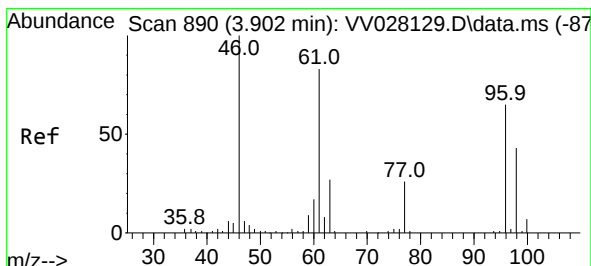
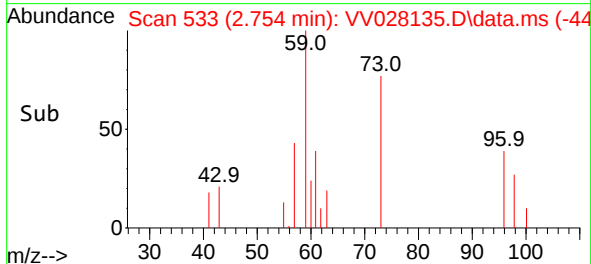
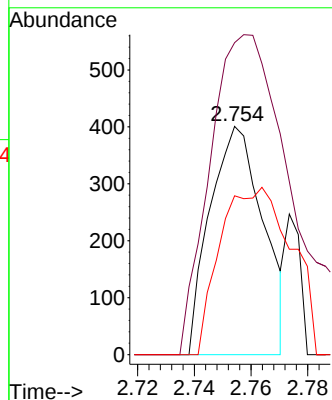
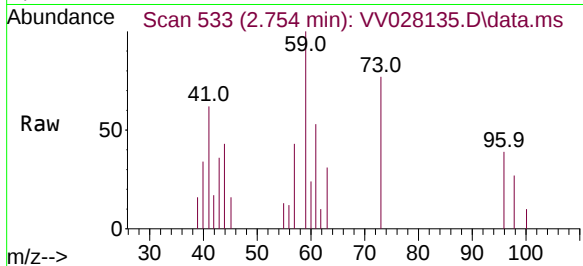




#18
trans-1,2-Dichloroethene
Concen: 0.048 ug/L
RT: 2.754 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

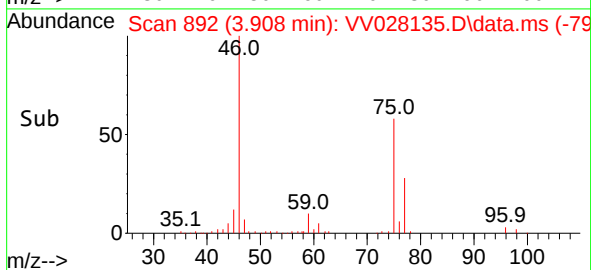
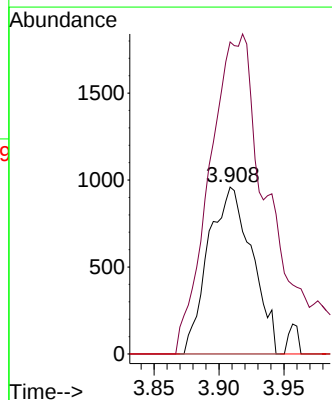
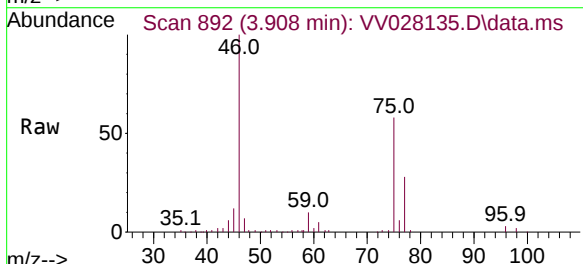
Instrument :
MSVOA_V
ClientSampleId :
CB8L6

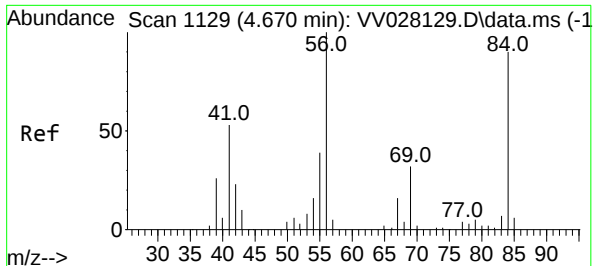
Tgt Ion: 96 Resp: 522
Ion Ratio Lower Upper
96 100
61 136.7 96.2 178.6
98 69.6 45.7 84.9



#22
cis-1,2-Dichloroethene
Concen: 0.157 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.007 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Tgt Ion: 96 Resp: 2249
Ion Ratio Lower Upper
96 100
61 186.9 87.2 161.9#
68 0.0 0.0 0.0





#30

Cyclohexane

Concen: 0.173 ug/L

RT: 4.661 min Scan# 1126

Delta R.T. -0.009 min

Lab File: VV028135.D

Acq: 27 Sep 2022 13:29

Instrument :

MSVOA_V

ClientSampleId :

CB8L6

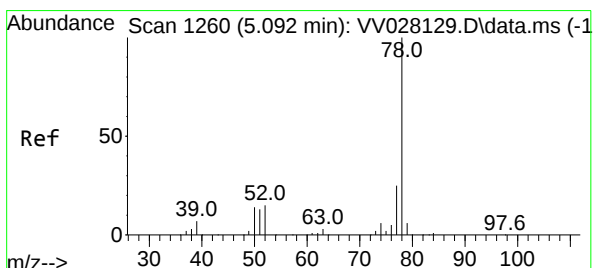
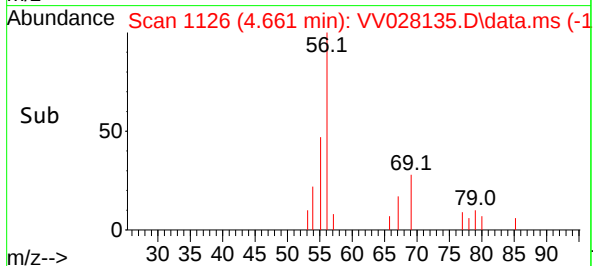
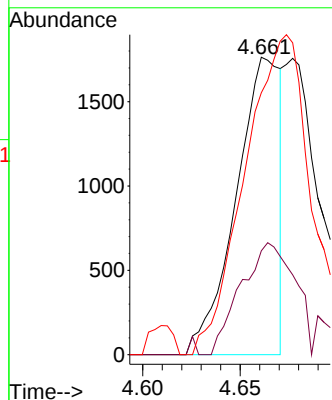
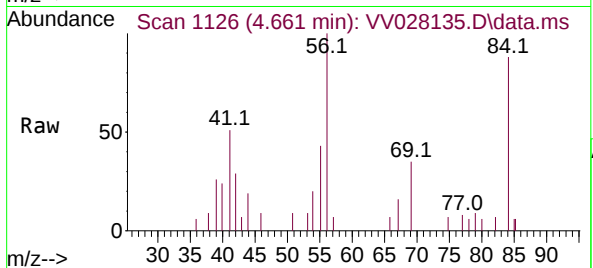
Tgt Ion: 56 Resp: 2773

Ion Ratio Lower Upper

56 100

69 45.8 23.7 35.5#

84 163.0 67.3 100.9#



#33

Benzene

Concen: 0.421 ug/L

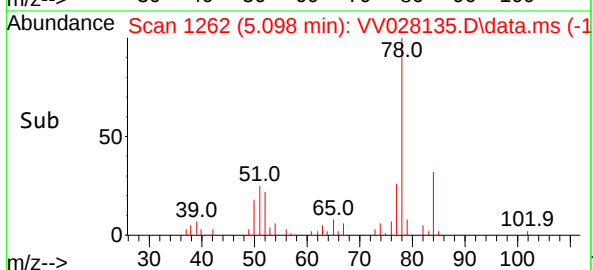
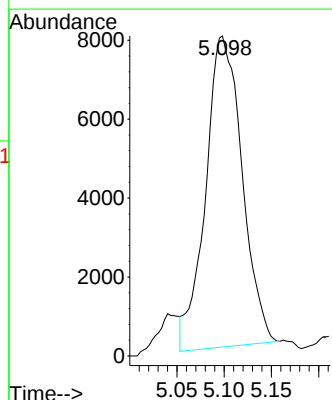
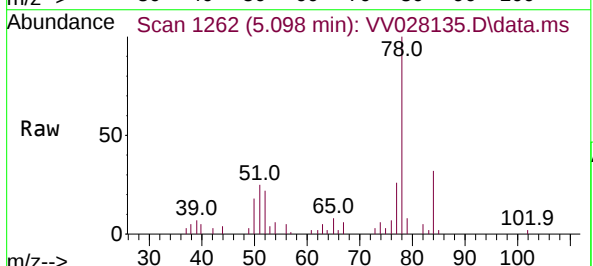
RT: 5.098 min Scan# 1262

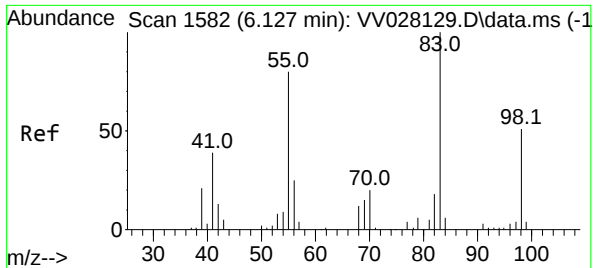
Delta R.T. 0.007 min

Lab File: VV028135.D

Acq: 27 Sep 2022 13:29

Tgt Ion: 78 Resp: 21145

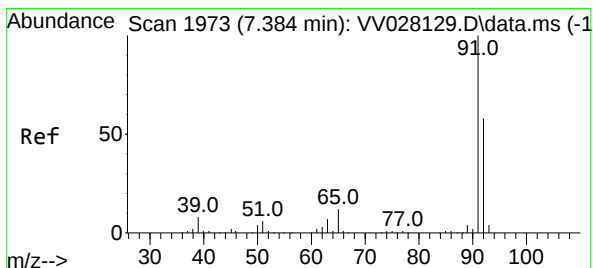
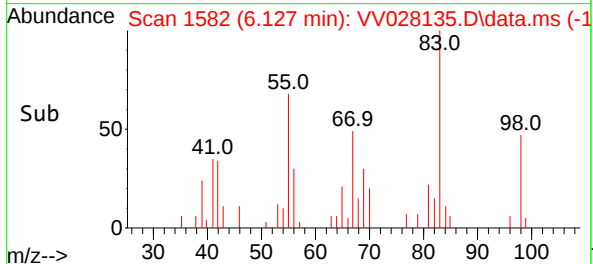
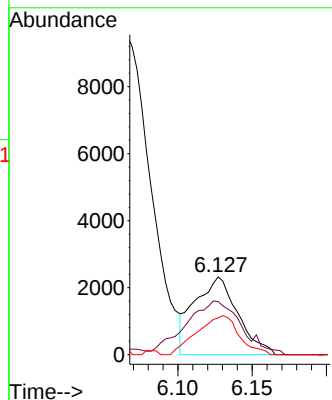
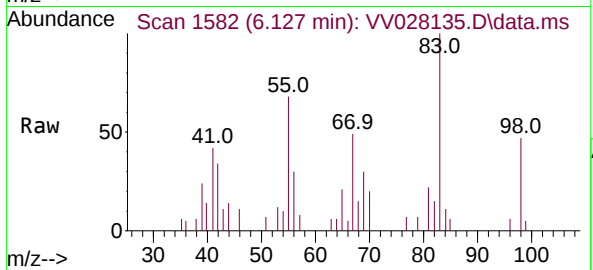




#35
Methylcyclohexane
Concen: 0.273 ug/L
RT: 6.127 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

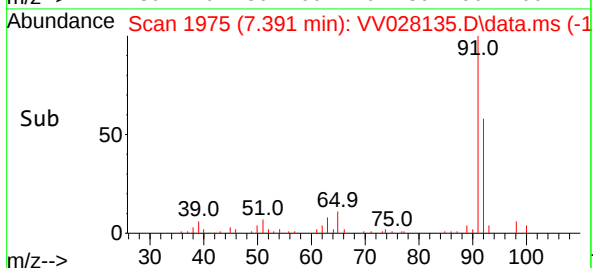
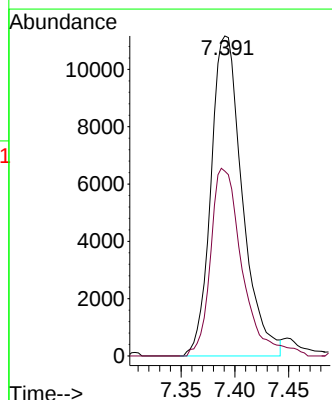
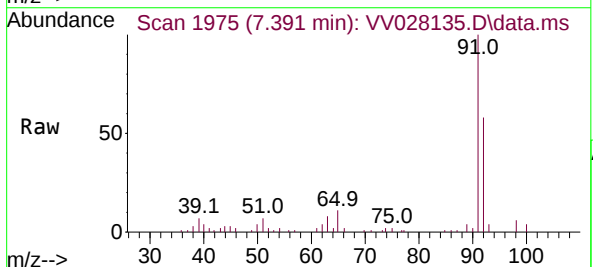
Instrument :
MSVOA_V
ClientSampleId :
CB8L6

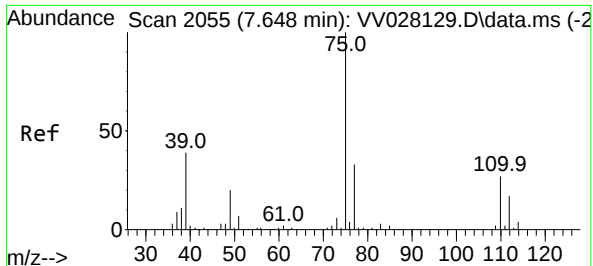
Tgt Ion: 83 Resp: 4684
Ion Ratio Lower Upper
83 100
55 89.4 64.7 97.1
98 48.7 39.5 59.3



#42
Toluene
Concen: 0.433 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.007 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Tgt Ion: 91 Resp: 22644
Ion Ratio Lower Upper
91 100
92 57.8 40.2 74.6

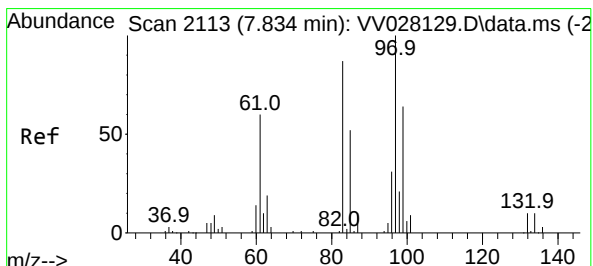
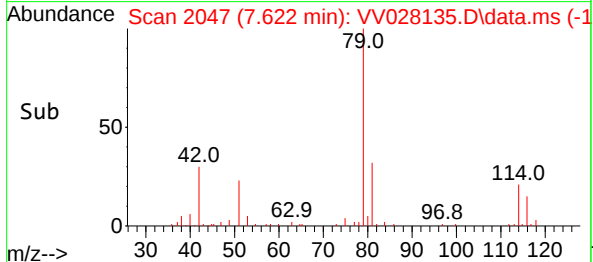
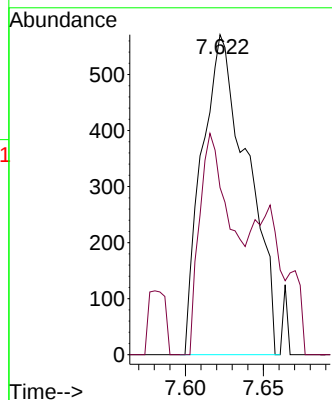
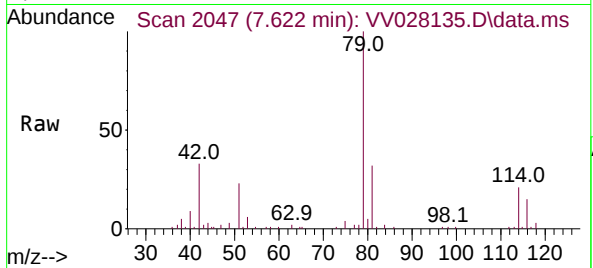




#44
trans-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 7.622 min Scan# 2047
Delta R.T. -0.026 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

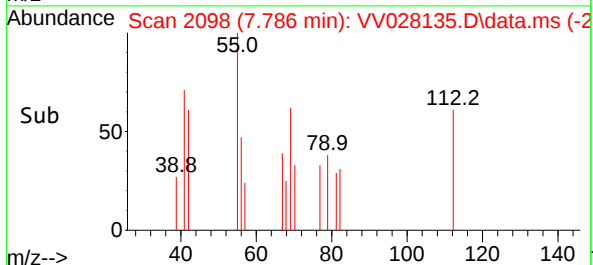
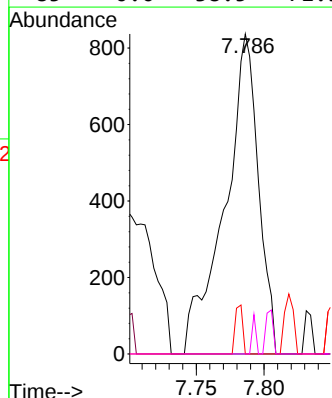
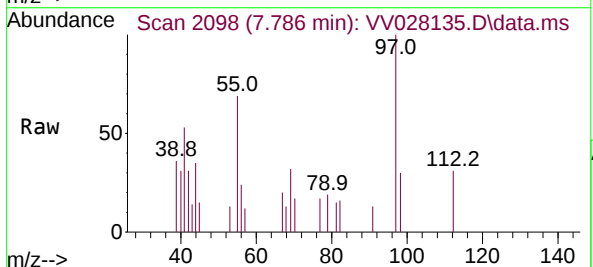
Instrument :
MSVOA_V
ClientSampleId :
CB8L6

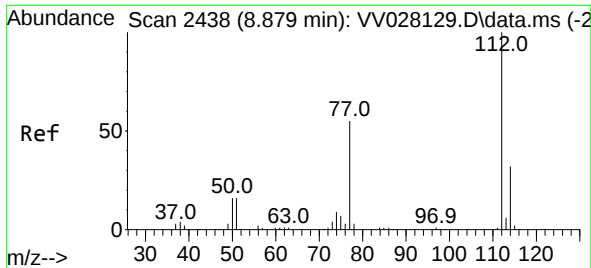
Tgt Ion: 75 Resp: 1167
Ion Ratio Lower Upper
75 100
77 52.2 23.9 44.3#



#45
1,1,2-Trichloroethane
Concen: 0.153 ug/L
RT: 7.786 min Scan# 2098
Delta R.T. -0.048 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Tgt Ion: 97 Resp: 1443
Ion Ratio Lower Upper
97 100
99 0.0 43.2 80.2#
83 0.0 59.1 109.9#
85 0.0 38.5 71.5#

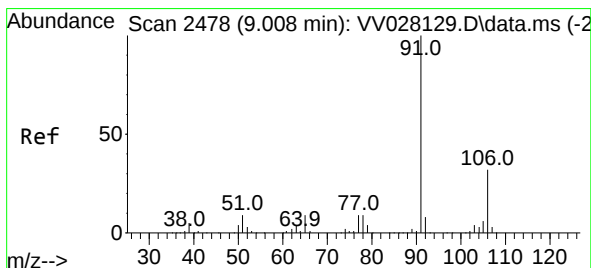
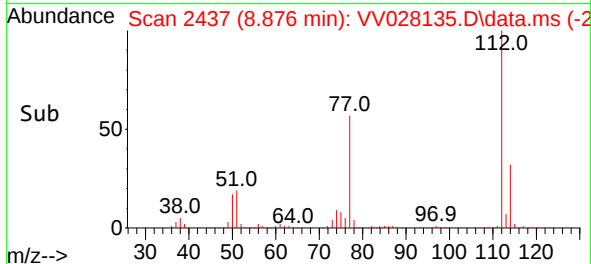
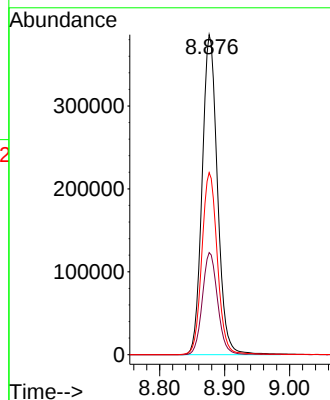
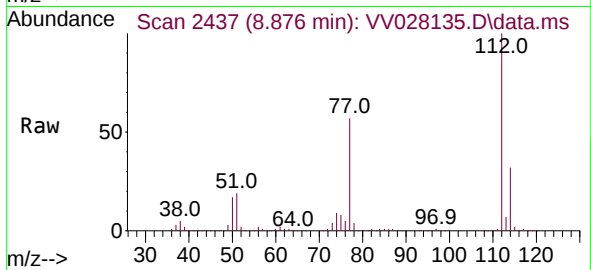




#51
Chlorobenzene
Concen: 18.093 ug/L
RT: 8.876 min Scan# 2438
Delta R.T. -0.003 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

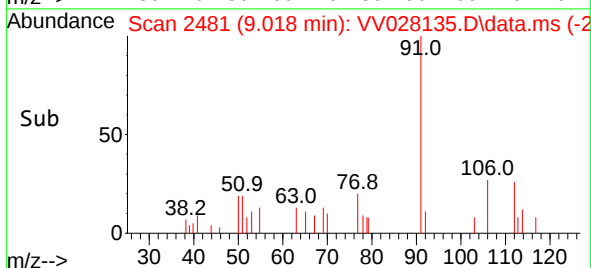
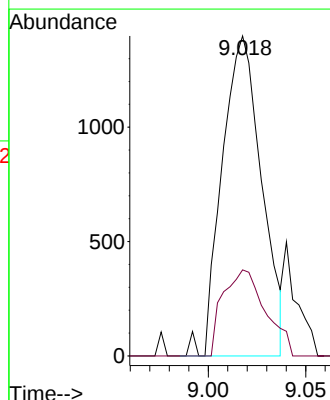
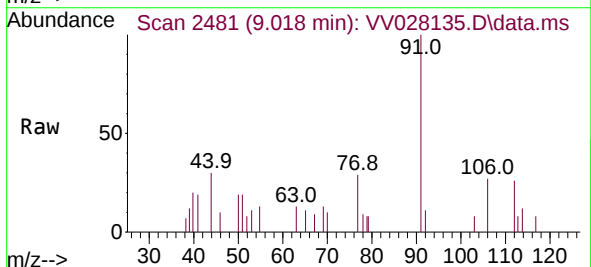
Instrument :
MSVOA_V
ClientSampleId :
CB8L6

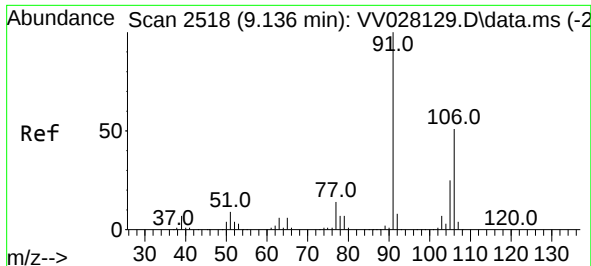
Tgt Ion:112 Resp: 635148
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.7
77 56.9 46.1 69.1



#52
Ethylbenzene
Concen: 0.036 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.010 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Tgt Ion: 91 Resp: 1972
Ion Ratio Lower Upper
91 100
106 26.9 21.5 39.9

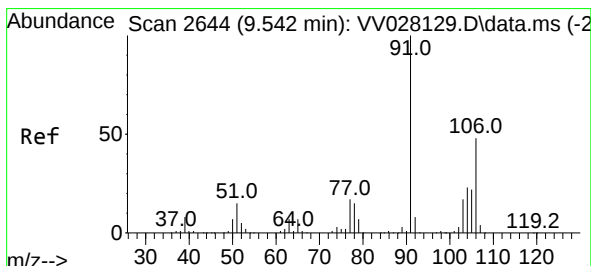
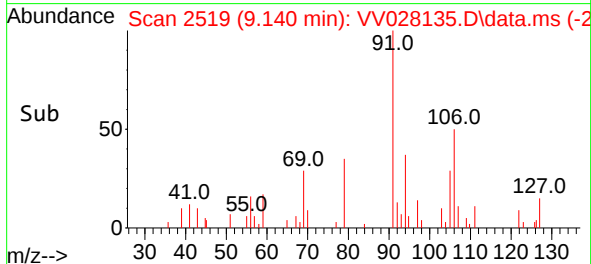
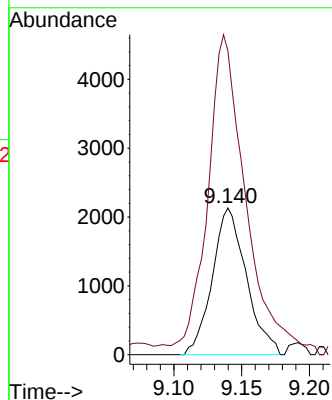
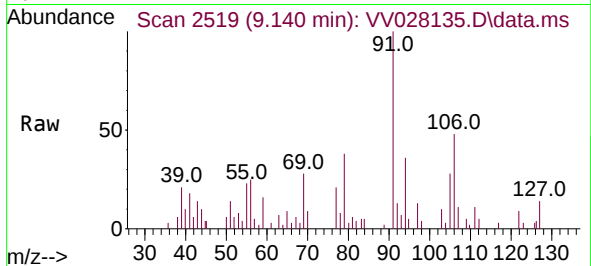




#53
m,p-Xylene
Concen: 0.175 ug/L
RT: 9.140 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

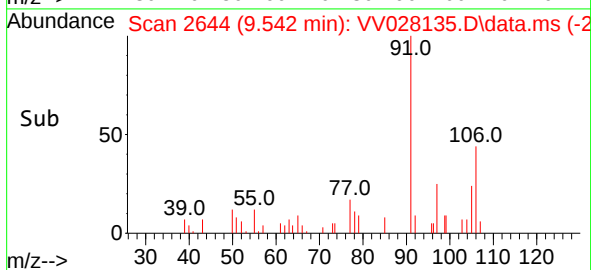
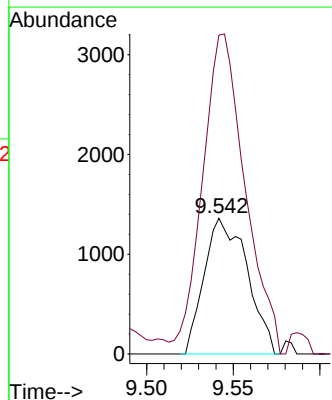
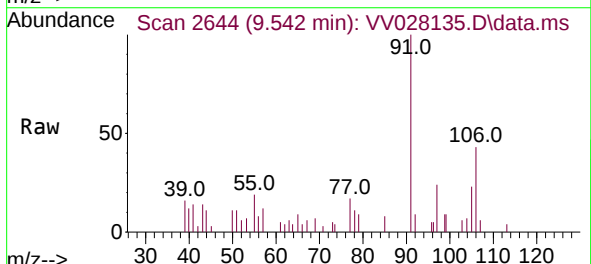
Instrument :
MSVOA_V
ClientSampleId :
CB8L6

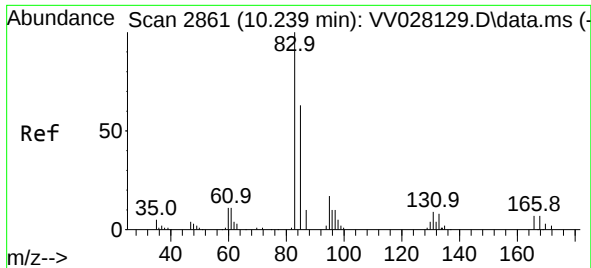
Tgt Ion:106 Resp: 3722
Ion Ratio Lower Upper
106 100
91 207.0 141.9 263.5



#54
o-Xylene
Concen: 0.112 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Tgt Ion:106 Resp: 2348
Ion Ratio Lower Upper
106 100
91 235.1 148.1 275.0

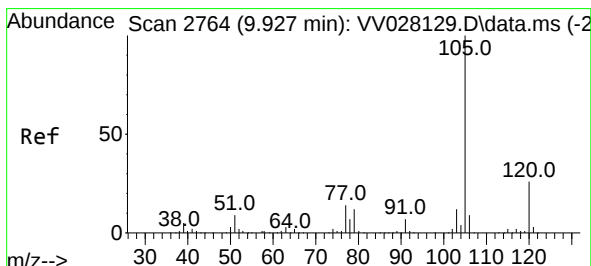
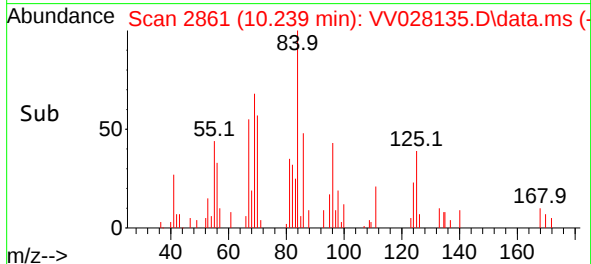
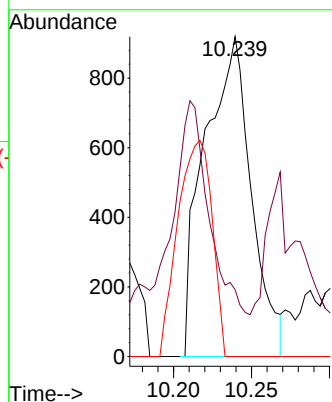
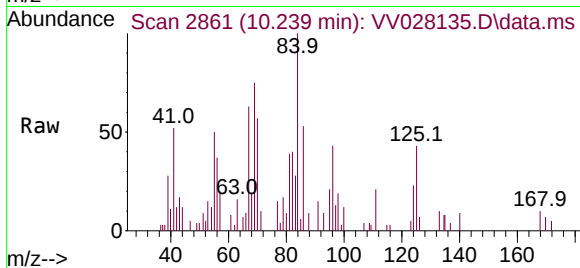




#57
1,1,2,2-Tetrachloroethane
Concen: 0.174 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

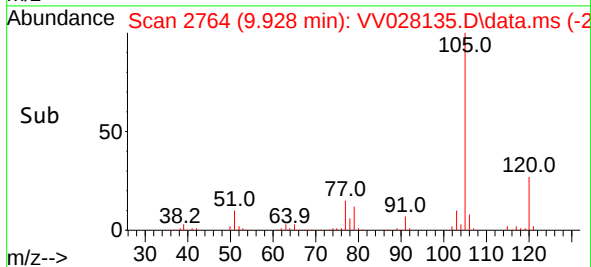
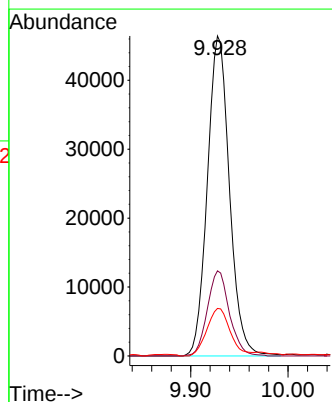
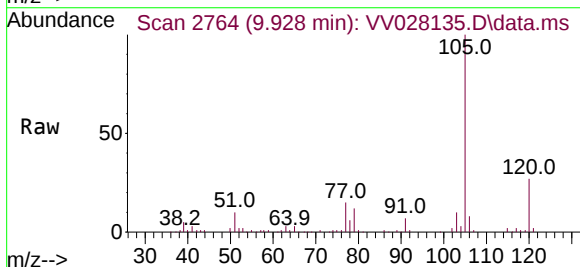
Instrument :
MSVOA_V
ClientSampleId :
CB8L6

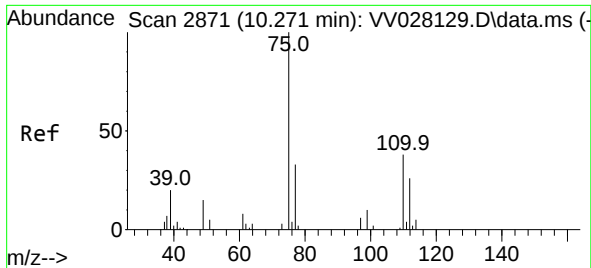
Tgt Ion: 83 Resp: 1914
Ion Ratio Lower Upper
83 100
85 20.9 45.2 84.0#
131 0.0 7.8 11.8#



#60
Isopropylbenzene
Concen: 1.233 ug/L
RT: 9.928 min Scan# 2764
Delta R.T. 0.000 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Tgt Ion: 105 Resp: 73170
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.0
77 15.7 12.2 18.4

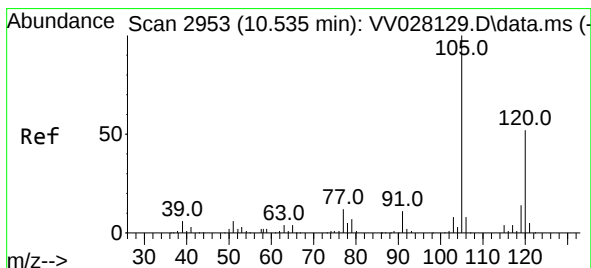
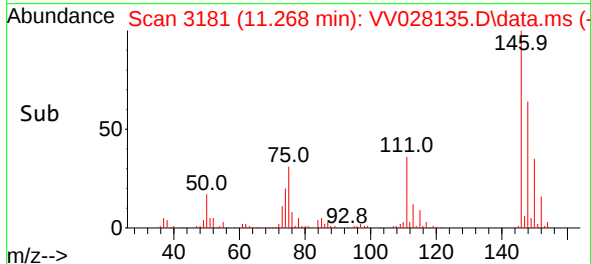
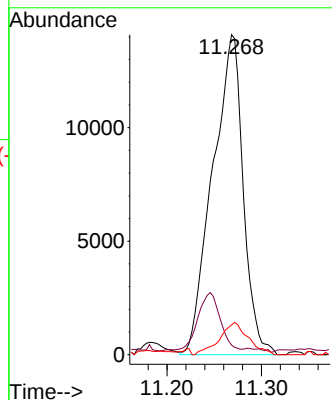
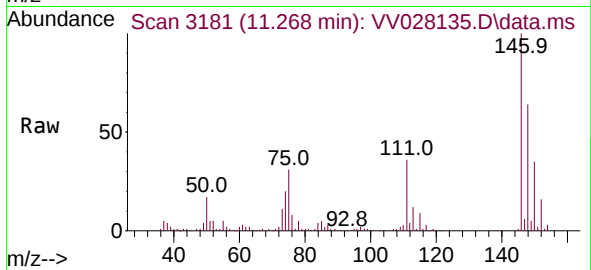




#61
 1,2,3-Trichloropropane
 Concen: 3.744 ug/L
 RT: 11.268 min Scan# 3118
 Delta R.T. 0.997 min
 Lab File: VV028135.D
 Acq: 27 Sep 2022 13:29

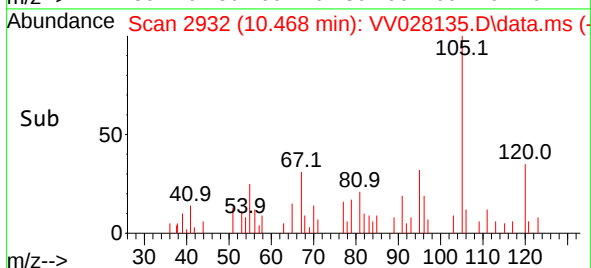
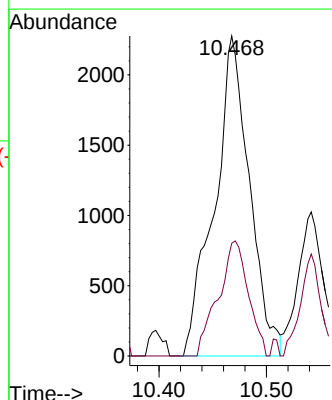
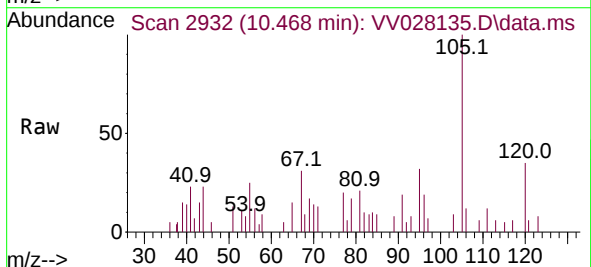
Instrument :
 MSVOA_V
 ClientSampleId :
 CB8L6

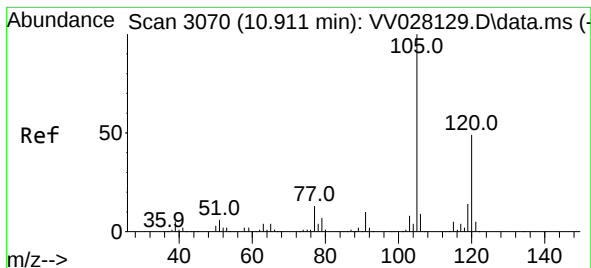
Tgt Ion: 75 Resp: 31746
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.7 40.1#
 110 9.4 30.1 45.1#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.309 ug/L
 RT: 10.468 min Scan# 2932
 Delta R.T. -0.067 min
 Lab File: VV028135.D
 Acq: 27 Sep 2022 13:29

Tgt Ion: 105 Resp: 5167
 Ion Ratio Lower Upper
 105 100
 120 30.8 40.6 61.0#





#63

1,2,4-Trimethylbenzene

Concen: 0.402 ug/L

RT: 10.735 min Scan# 3070

Delta R.T. -0.177 min

Lab File: VV028135.D

Acq: 27 Sep 2022 13:29

Instrument :

MSVOA_V

ClientSampleId :

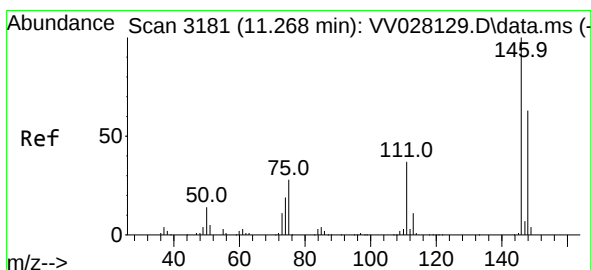
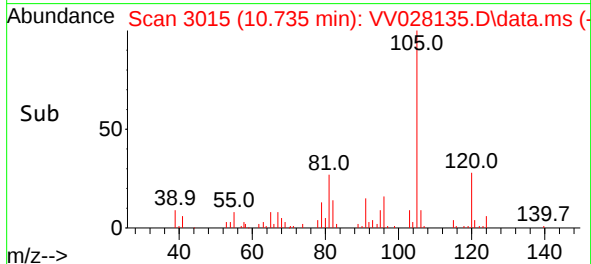
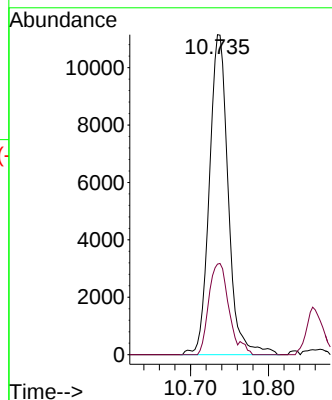
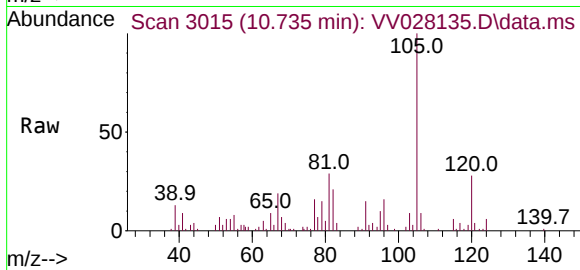
CB8L6

Tgt Ion:105 Resp: 18763

Ion Ratio Lower Upper

105 100

120 30.4 37.8 56.8#



#65

1,4-Dichlorobenzene

Concen: 2.456 ug/L

RT: 11.268 min Scan# 3181

Delta R.T. 0.000 min

Lab File: VV028135.D

Acq: 27 Sep 2022 13:29

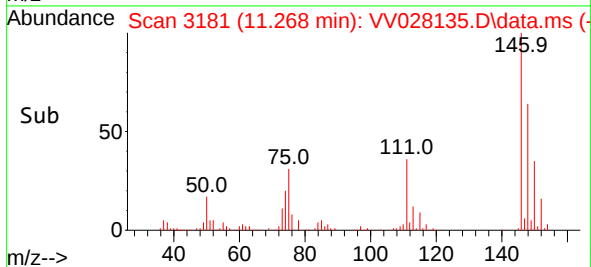
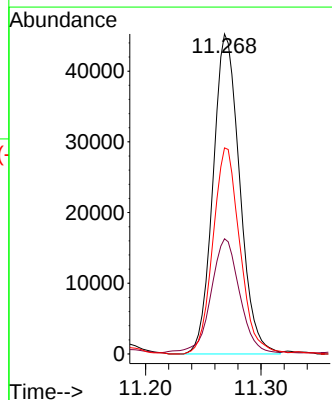
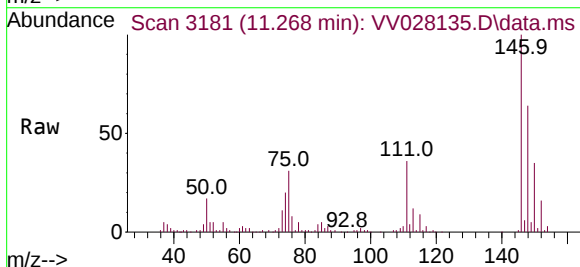
Tgt Ion:146 Resp: 72580

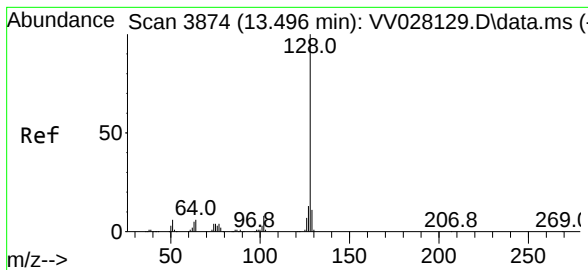
Ion Ratio Lower Upper

146 100

111 36.0 26.2 48.8

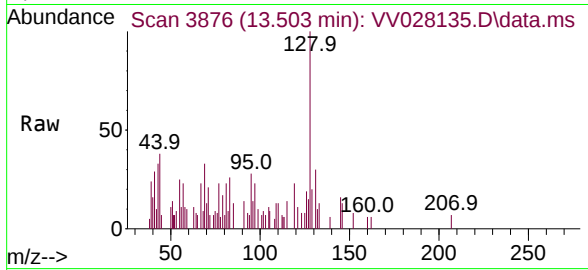
148 64.4 45.8 85.2





#71
Naphthalene
Concen: 0.135 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.007 min
Lab File: VV028135.D
Acq: 27 Sep 2022 13:29

Instrument :
MSVOA_V
ClientSampleId :
CB8L6



Tgt Ion:	128	Resp:	4147
Ion	Ratio	Lower	Upper
128	100		
129	8.2	8.2	12.2
127	11.3	10.4	15.6

