

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111722\
 Data File : VW029094.D
 Acq On : 18 Nov 2022 03:49
 Operator : SY/MD
 Sample : N5648-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46D9

Quant Time: Nov 18 06:03:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 04:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	264674	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	240411	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	117763	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	58773	3.642	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.800%
7) Chloroethane-d5	1.568	69	53197	3.750	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.105	63	81436	2.769	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.400%#
20) 2-Butanone-d5	3.892	46	156856	58.072	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.140%
24) Chloroform-d	4.343	84	148482	4.482	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.027	65	69580	4.668	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.047	84	306406	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
36) 1,2-Dichloropropane-d6	6.066	67	88388	4.411	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.310	98	291241	4.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	7.622	79	24737	3.785	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.800%
46) 2-Hexanone-d5	8.088	63	133201	47.749	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.500%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	69046	4.970	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	11.616	152	113612	5.392	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	3449	0.188	ug/L	93
5) Vinyl chloride	1.311	62	12761	0.611	ug/L #	1
8) Chloroethane	1.401	64	660367	53.803	ug/L #	52
14) Carbon disulfide	2.294	76	5234	0.092	ug/L	99
15) Methyl Acetate	2.433	43	21004	4.981	ug/L #	44
17) Methyl tert-butyl Ether	2.764	73	1304620	37.979	ug/L	97
18) trans-1,2-Dichloroethene	2.757	96	37327	2.009	ug/L	93
19) 1,1-Dichloroethane	3.188	63	27849	0.917	ug/L	98
22) cis-1,2-Dichloroethene	3.909	96	103605	5.484	ug/L	92
30) Cyclohexane	4.664	56	1459	0.051	ug/L #	46
33) Benzene	5.105	78	24834	0.338	ug/L	100
34) Trichloroethene	5.918	95	9000	0.479	ug/L	94
35) Methylcyclohexane	6.066	83	22628	0.685	ug/L #	22
42) Toluene	7.391	91	30780	0.388	ug/L	98
52) Ethylbenzene	9.011	91	31377	0.380	ug/L	96
53) m,p-Xylene	9.137	106	16019	0.487	ug/L	99
54) o-Xylene	9.539	106	11634	0.372	ug/L	98
60) Isopropylbenzene	10.735	105	6281	0.082	ug/L	93
61) 1,2,3-Trichloropropane	11.239	75	11080	1.377	ug/L #	63

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111722\
Data File : VV029094.D
Acq On : 18 Nov 2022 03:49
Operator : SY/MD
Sample : N5648-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H46D9

Quant Time: Nov 18 06:03:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 04:35:43 2022
Response via : Initial Calibration

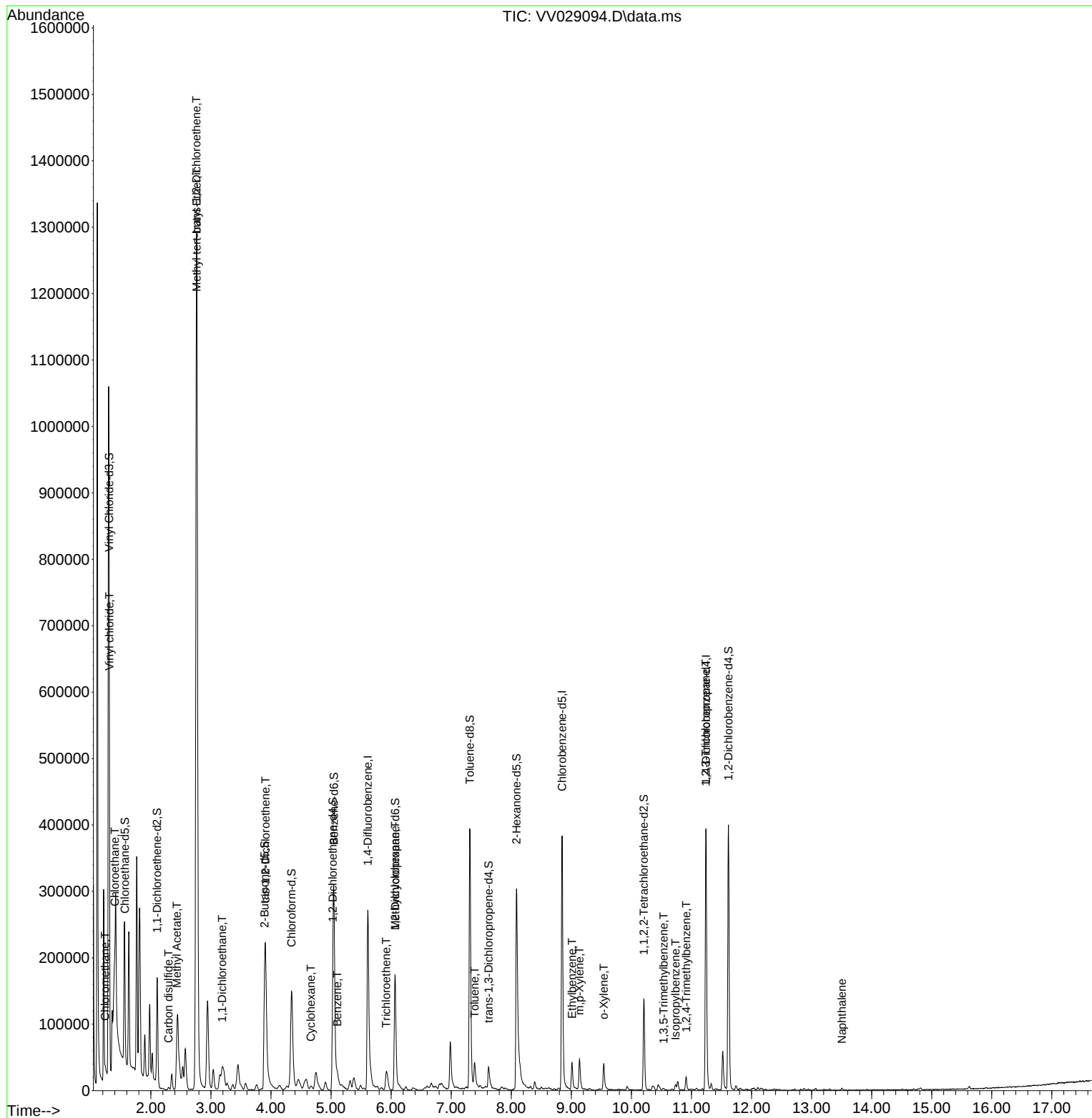
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.535	105	1975	0.030	ug/L	95
63) 1,2,4-Trimethylbenzene	10.911	105	12610	0.194	ug/L	96
71) Naphthalene	13.506	128	2974	0.110	ug/L #	95

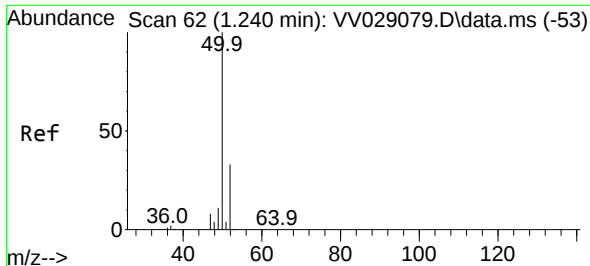
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111722\
Data File : VV029094.D
Acq On : 18 Nov 2022 03:49
Operator : SY/MD
Sample : N5648-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
H46D9

Quant Time: Nov 18 06:03:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 04:35:43 2022
Response via : Initial Calibration

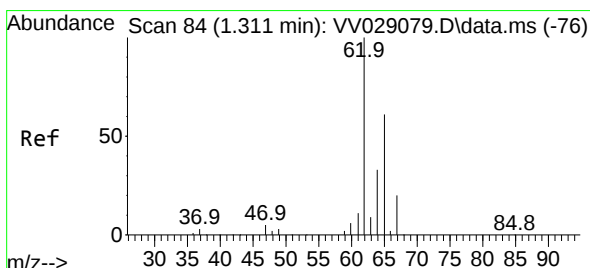
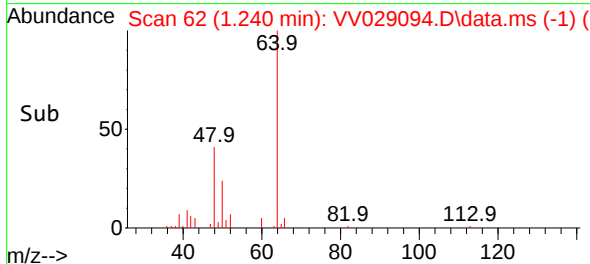
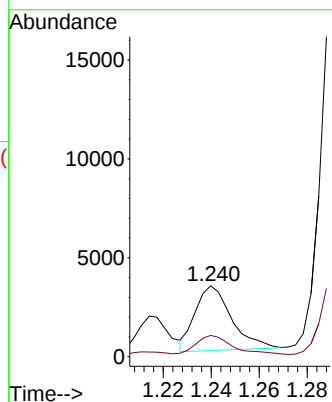
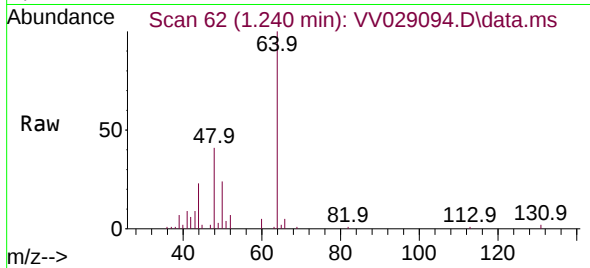




#3
Chloromethane
Concen: 0.188 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

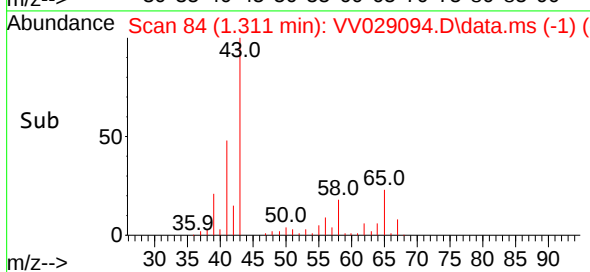
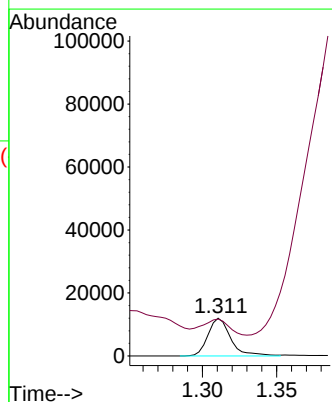
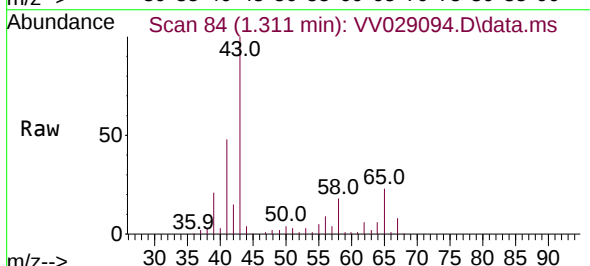
Instrument :
MSVOA_V
ClientSampleId :
H46D9

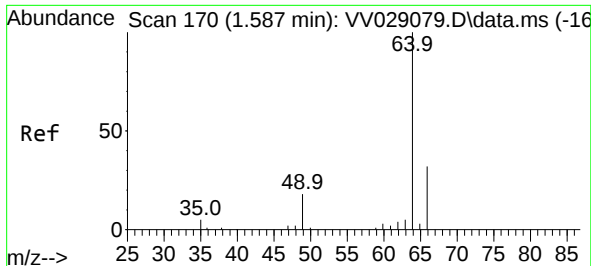
Tgt Ion: 50 Resp: 3449
Ion Ratio Lower Upper
50 100
52 30.1 23.7 43.9



#5
Vinyl chloride
Concen: 0.611 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

Tgt Ion: 62 Resp: 12761
Ion Ratio Lower Upper
62 100
64 97.6 22.8 42.4#





#8

Chloroethane

Concen: 53.803 ug/L

RT: 1.401 min Scan# 11

Delta R.T. -0.186 min

Lab File: VV029094.D

Acq: 18 Nov 2022 03:49

Instrument :

MSVOA_V

ClientSampleId :

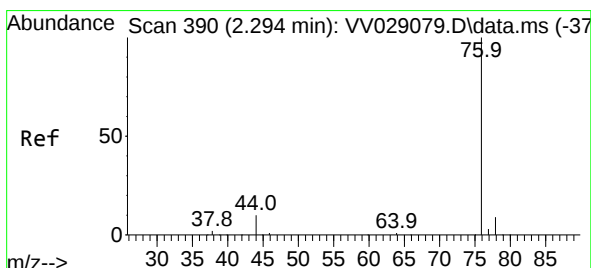
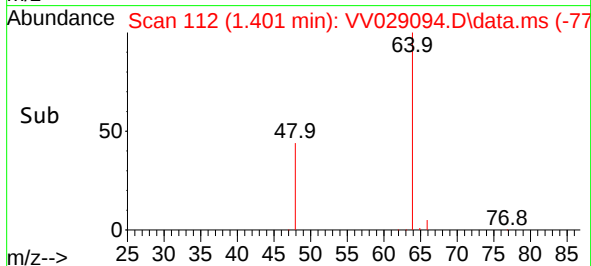
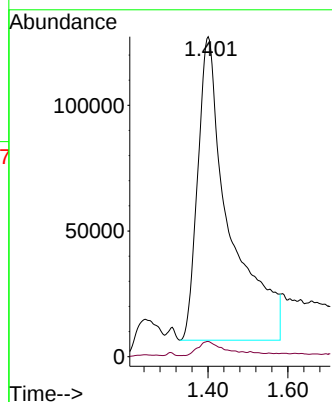
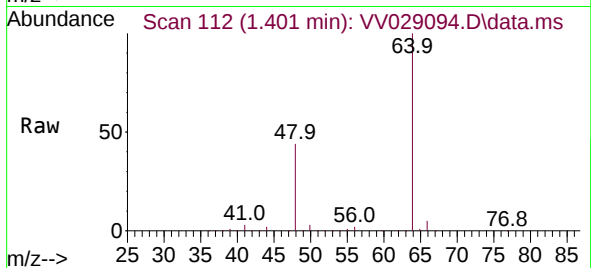
H46D9

Tgt Ion: 64 Resp: 660367

Ion Ratio Lower Upper

64 100

66 4.8 22.0 40.8#



#14

Carbon disulfide

Concen: 0.092 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV029094.D

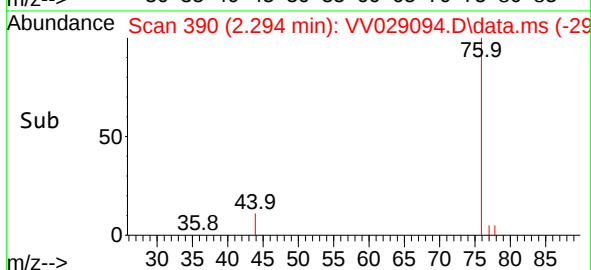
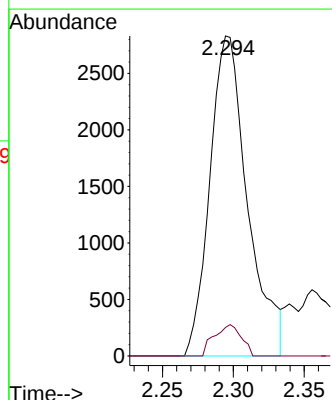
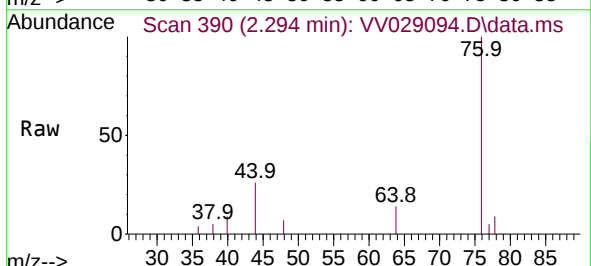
Acq: 18 Nov 2022 03:49

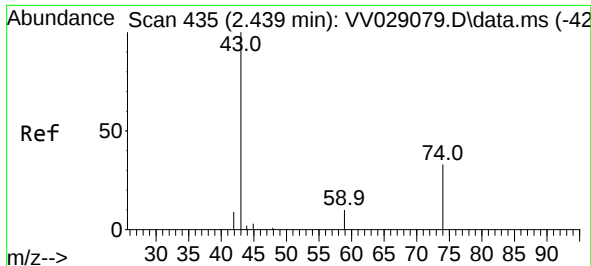
Tgt Ion: 76 Resp: 5234

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

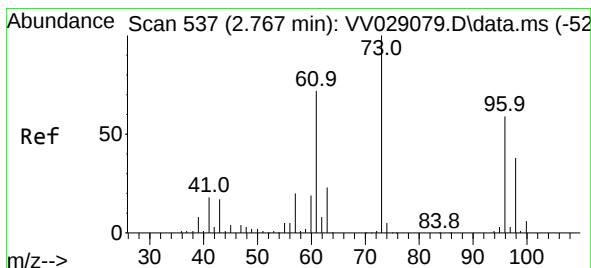
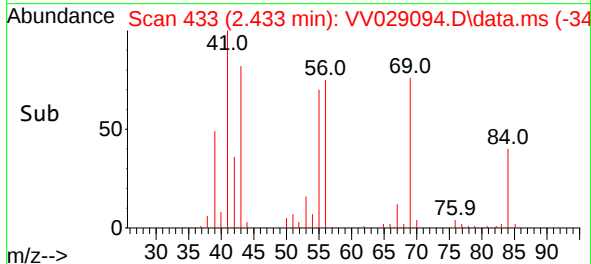
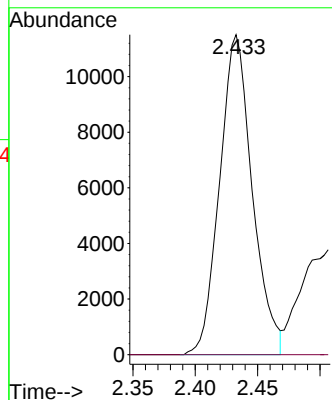
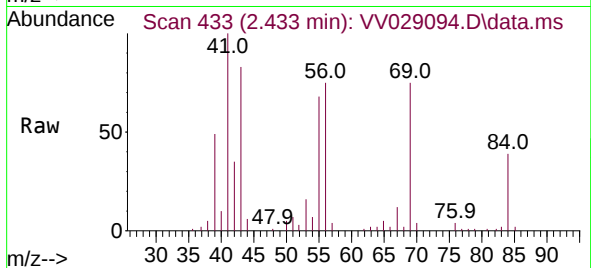




#15
Methyl Acetate
Concen: 4.981 ug/L
RT: 2.433 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

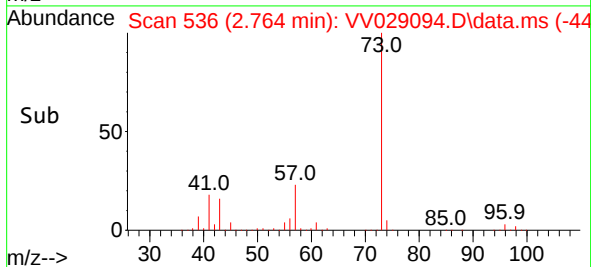
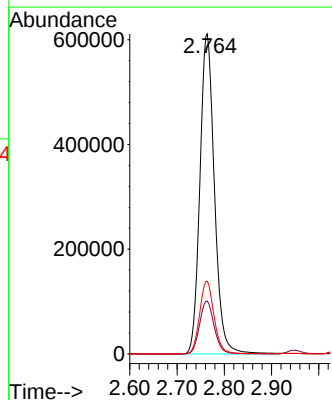
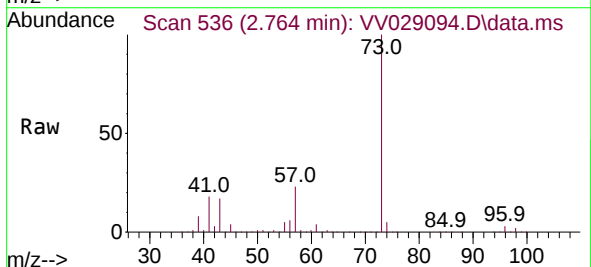
Instrument :
MSVOA_V
ClientSampleId :
H46D9

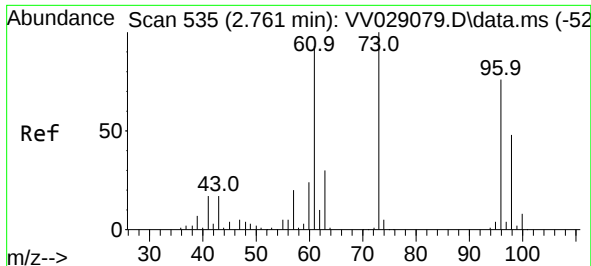
Tgt Ion: 43 Resp: 21004
Ion Ratio Lower Upper
43 100
74 0.0 24.6 37.0#



#17
Methyl tert-butyl Ether
Concen: 37.979 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.003 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

Tgt Ion: 73 Resp: 1304620
Ion Ratio Lower Upper
73 100
43 16.7 13.0 19.4
57 22.6 16.6 24.8

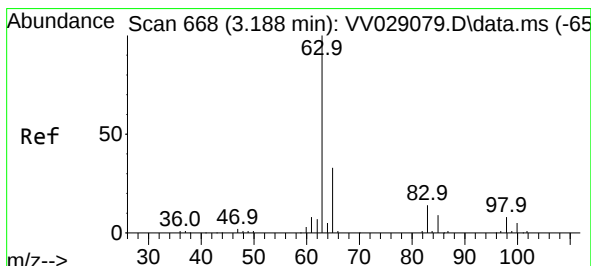
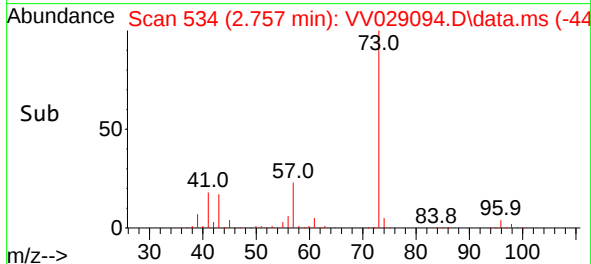
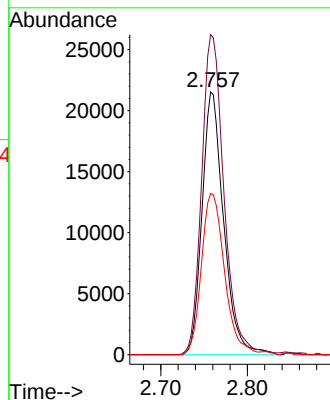
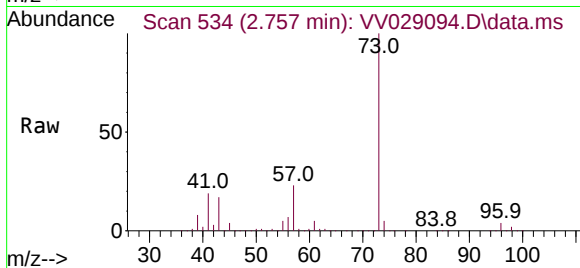




#18
trans-1,2-Dichloroethene
Concen: 2.009 ug/L
RT: 2.757 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

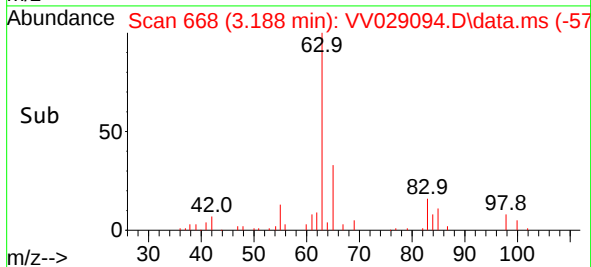
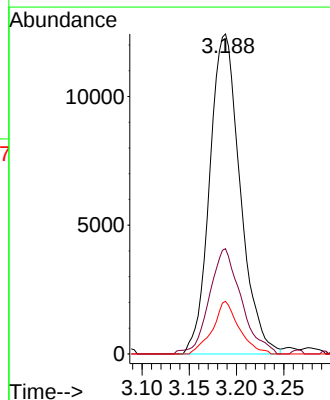
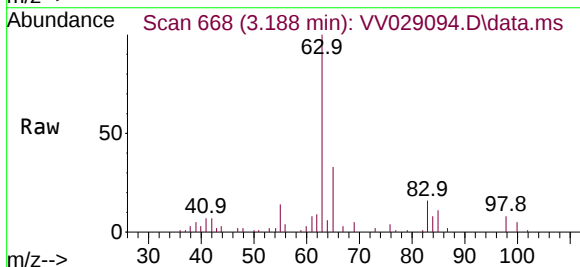
Instrument :
MSVOA_V
ClientSampleId :
H46D9

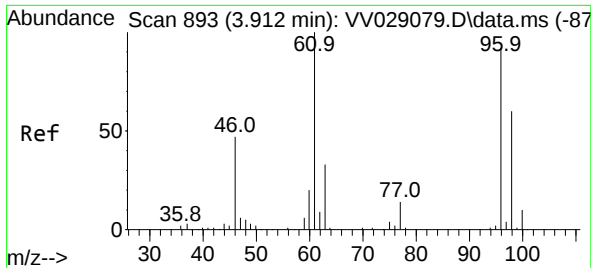
Tgt Ion: 96 Resp: 37327
Ion Ratio Lower Upper
96 100
61 121.8 91.8 170.6
98 61.4 46.4 86.2



#19
1,1-Dichloroethane
Concen: 0.917 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.000 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

Tgt Ion: 63 Resp: 27849
Ion Ratio Lower Upper
63 100
65 32.9 23.0 42.6
83 16.4 9.4 17.6

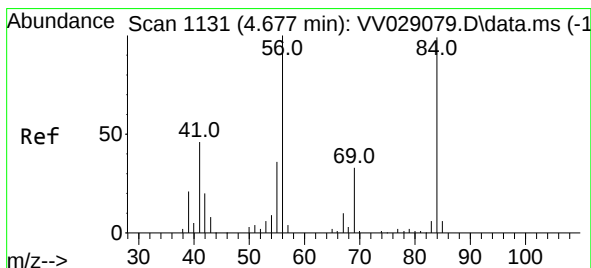
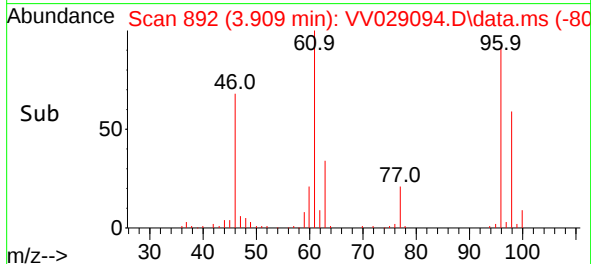
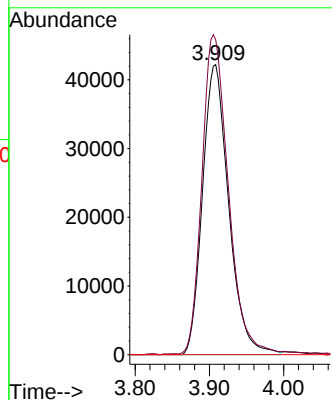
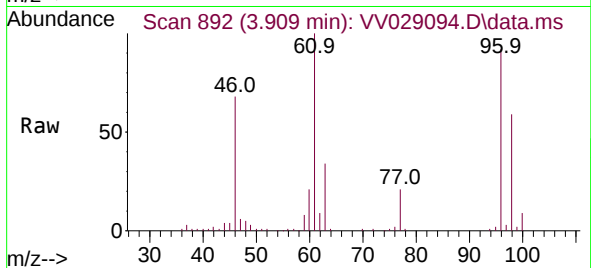




#22
 cis-1,2-Dichloroethene
 Concen: 5.484 ug/L
 RT: 3.909 min Scan# 893
 Delta R.T. -0.003 min
 Lab File: VV029094.D
 Acq: 18 Nov 2022 03:49

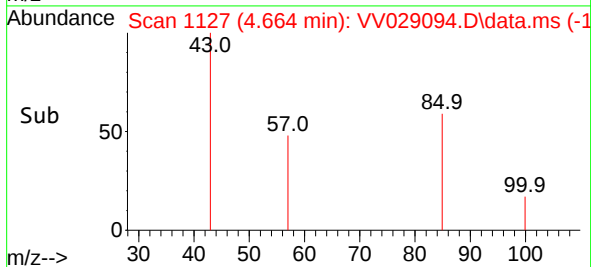
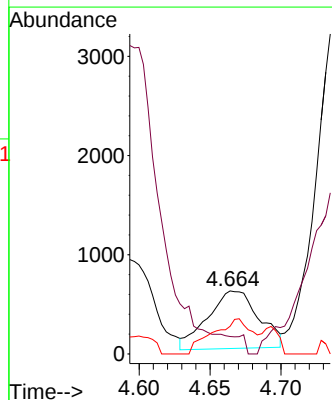
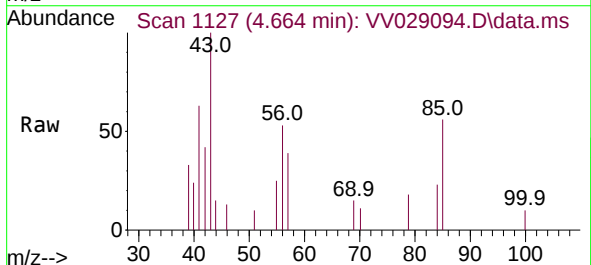
Instrument :
 MSVOA_V
 ClientSampleId :
 H46D9

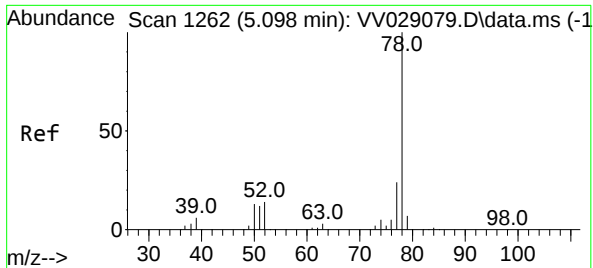
Tgt Ion: 96 Resp: 103605
 Ion Ratio Lower Upper
 96 100
 61 108.5 82.3 152.9
 68 0.0 0.0 0.0



#30
 Cyclohexane
 Concen: 0.051 ug/L
 RT: 4.664 min Scan# 1127
 Delta R.T. -0.013 min
 Lab File: VV029094.D
 Acq: 18 Nov 2022 03:49

Tgt Ion: 56 Resp: 1459
 Ion Ratio Lower Upper
 56 100
 69 0.0 26.1 39.1#
 84 45.9 77.9 116.9#





#33

Benzene

Concen: 0.338 ug/L

RT: 5.105 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029094.D

Acq: 18 Nov 2022 03:49

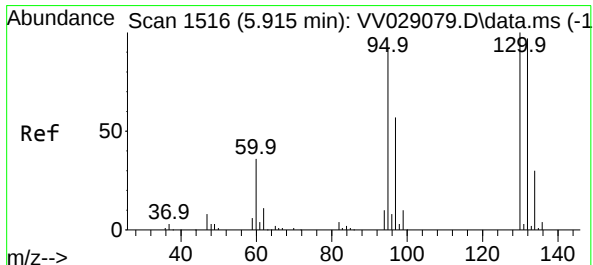
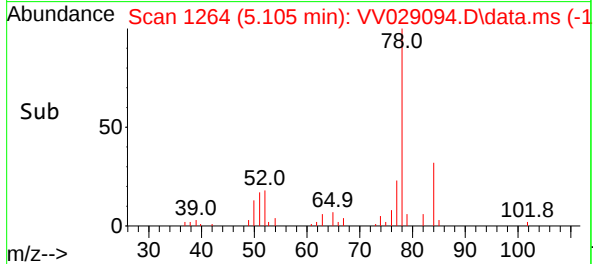
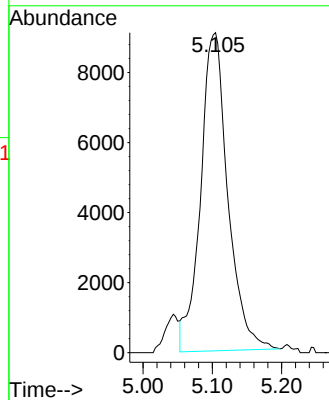
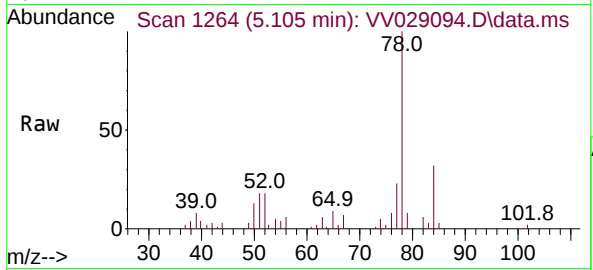
Instrument :

MSVOA_V

ClientSampleId :

H46D9

Tgt Ion: 78 Resp: 24834



#34

Trichloroethene

Concen: 0.479 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.003 min

Lab File: VV029094.D

Acq: 18 Nov 2022 03:49

Tgt Ion: 95 Resp: 9000

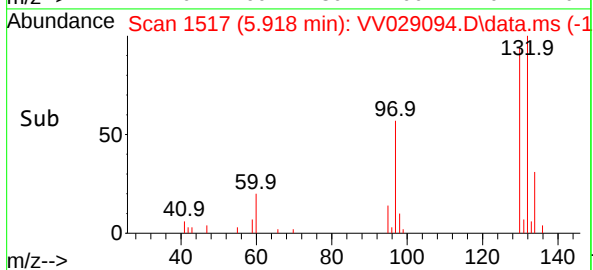
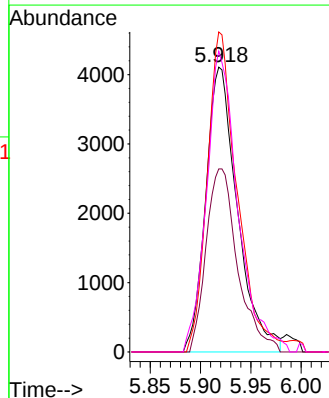
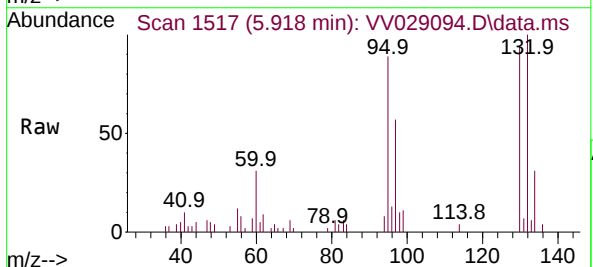
Ion Ratio Lower Upper

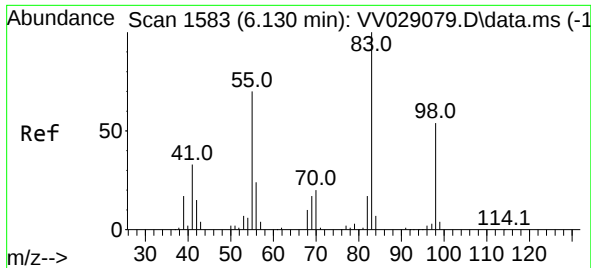
95 100

97 64.3 45.6 84.8

132 112.3 69.1 128.3

130 105.6 74.9 139.1

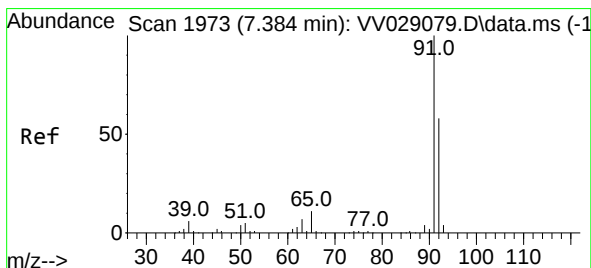
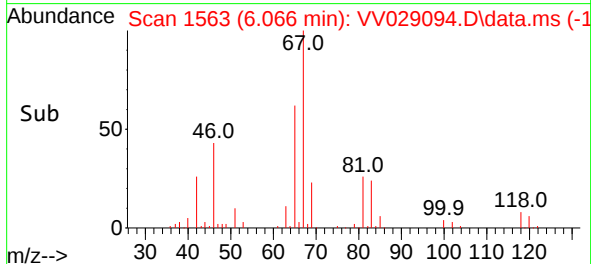
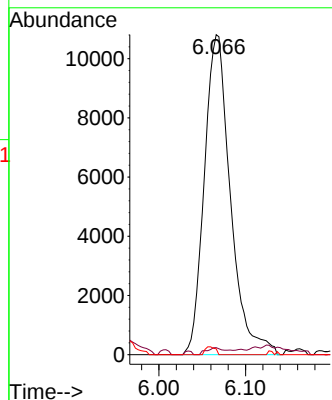
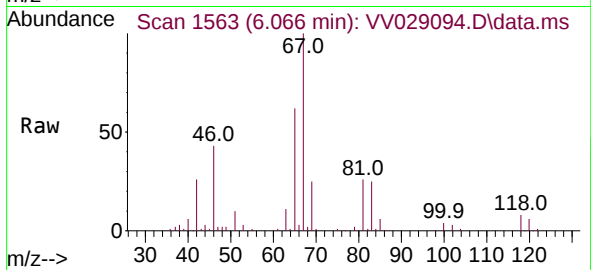




#35
Methylcyclohexane
Concen: 0.685 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.064 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

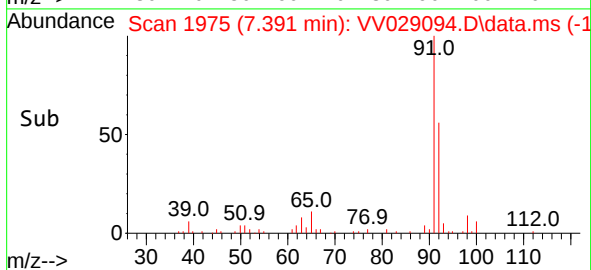
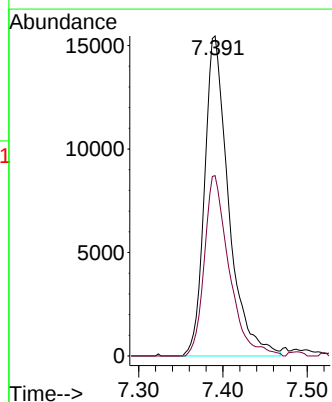
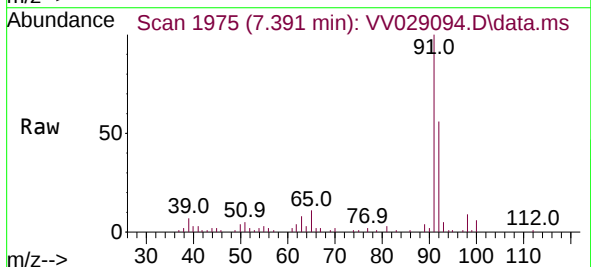
Instrument :
MSVOA_V
ClientSampleId :
H46D9

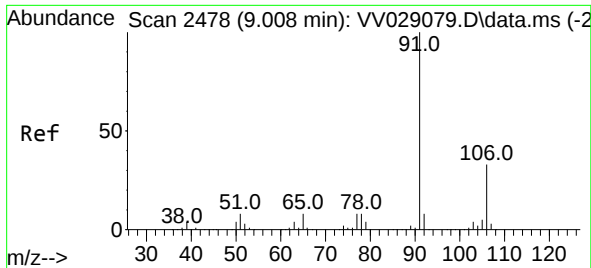
Tgt Ion: 83 Resp: 22628
Ion Ratio Lower Upper
83 100
55 1.5 55.8 83.6#
98 1.0 38.2 57.2#



#42
Toluene
Concen: 0.388 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.006 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

Tgt Ion: 91 Resp: 30780
Ion Ratio Lower Upper
91 100
92 56.3 40.7 75.5

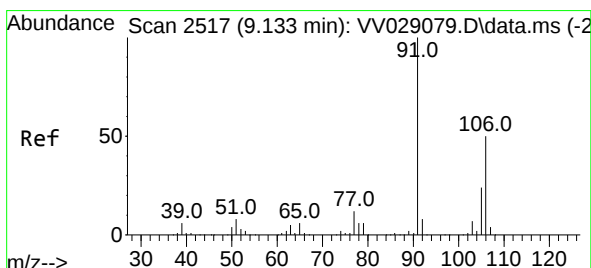
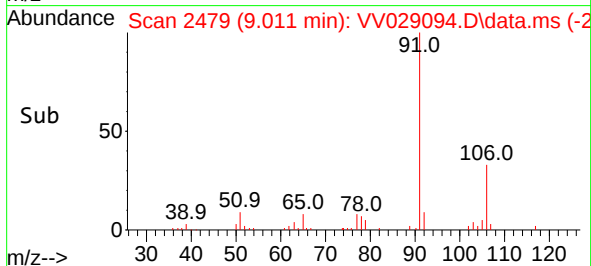
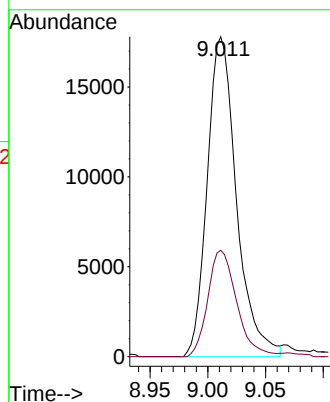
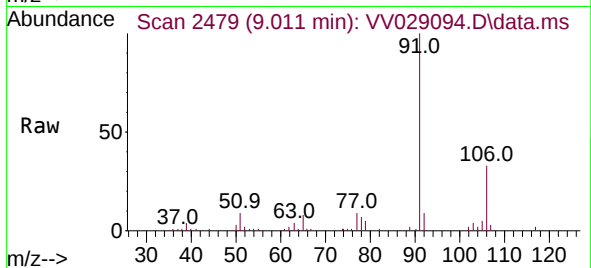




#52
Ethylbenzene
Concen: 0.380 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

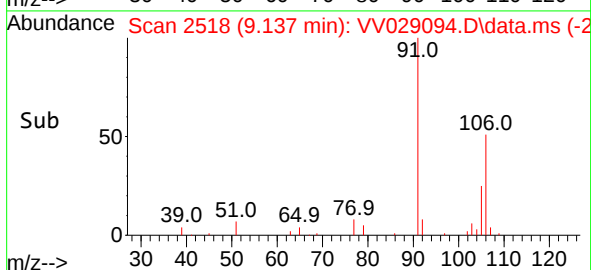
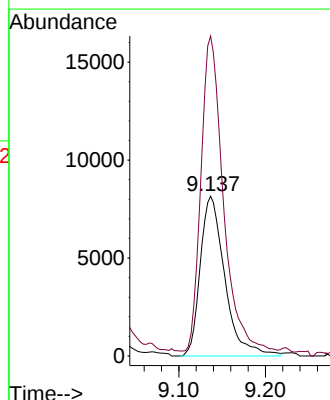
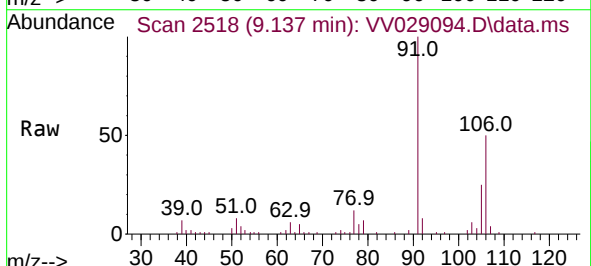
Instrument :
MSVOA_V
ClientSampleId :
H46D9

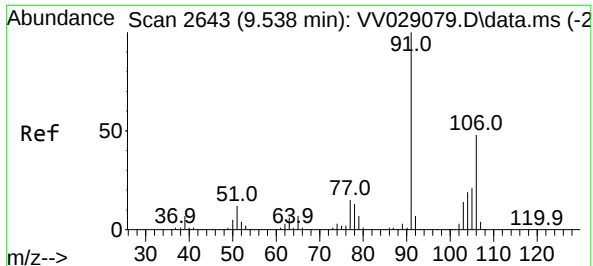
Tgt Ion: 91 Resp: 31377
Ion Ratio Lower Upper
91 100
106 33.2 21.6 40.2



#53
m,p-Xylene
Concen: 0.487 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

Tgt Ion: 106 Resp: 16019
Ion Ratio Lower Upper
106 100
91 200.2 139.1 258.3

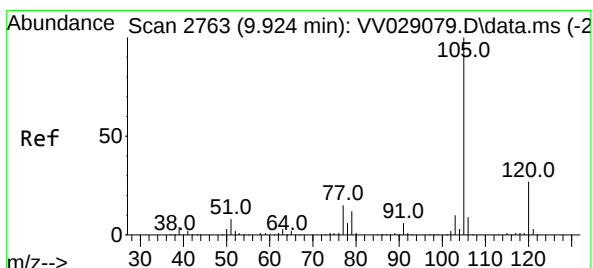
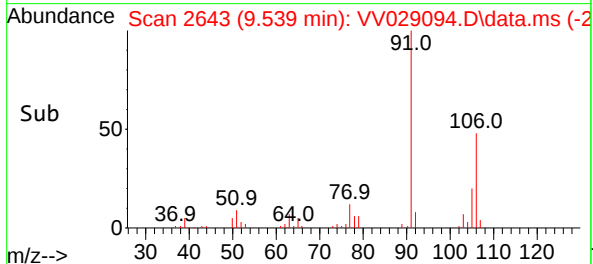
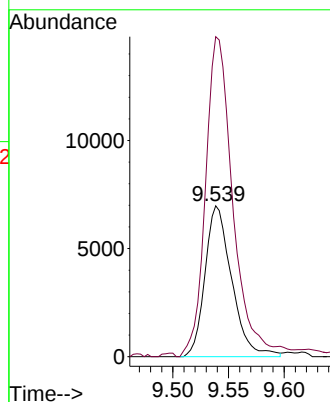
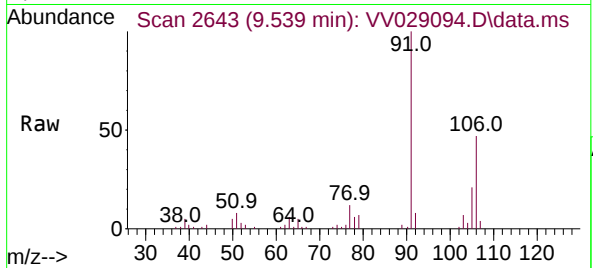




#54
o-Xylene
Concen: 0.372 ug/L
RT: 9.539 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

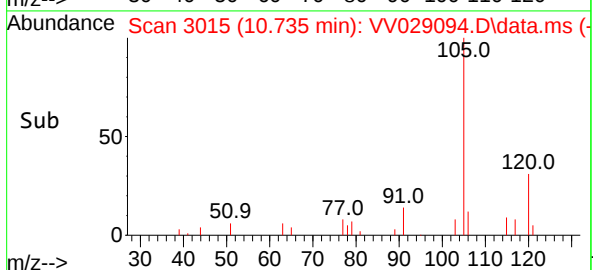
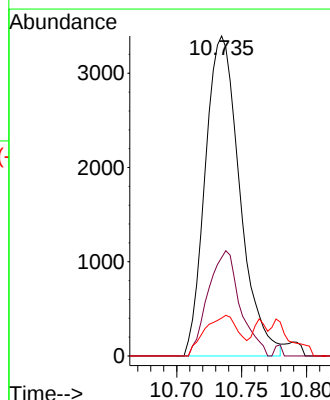
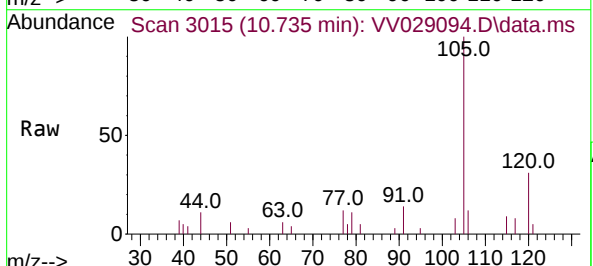
Instrument :
MSVOA_V
ClientSampleId :
H46D9

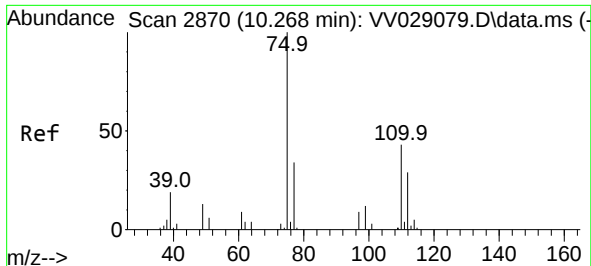
Tgt Ion:106 Resp: 11634
Ion Ratio Lower Upper
106 100
91 212.1 145.7 270.7



#60
Isopropylbenzene
Concen: 0.082 ug/L
RT: 10.735 min Scan# 3015
Delta R.T. 0.810 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

Tgt Ion:105 Resp: 6281
Ion Ratio Lower Upper
105 100
120 30.4 21.3 31.9
77 12.4 11.8 17.8





#61

1,2,3-Trichloropropane

Concen: 1.377 ug/L

RT: 11.239 min Scan# 3172

Delta R.T. 0.971 min

Lab File: VV029094.D

Acq: 18 Nov 2022 03:49

Instrument :

MSVOA_V

ClientSampleId :

H46D9

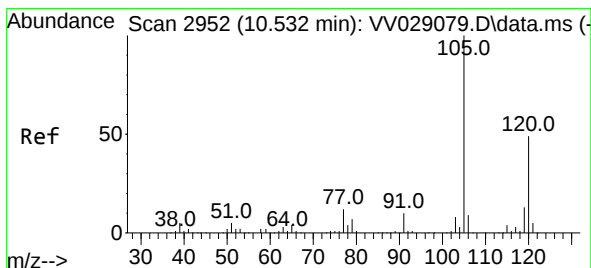
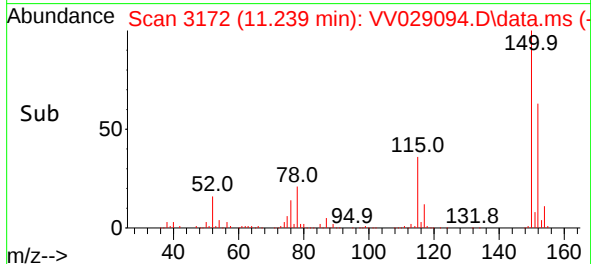
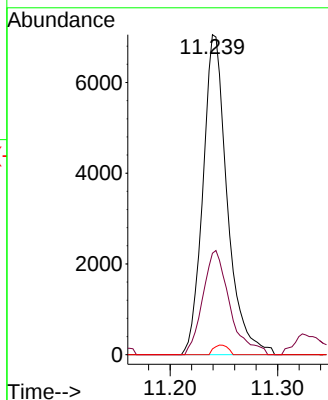
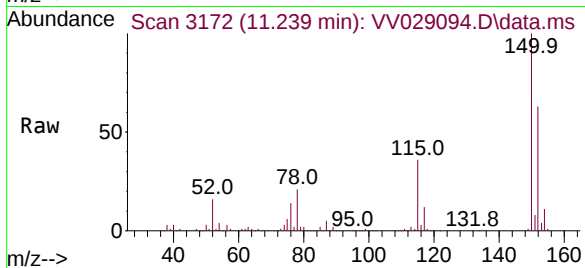
Tgt Ion: 75 Resp: 11080

Ion Ratio Lower Upper

75 100

77 36.0 26.2 39.2

110 1.8 32.6 48.8#



#62

1,3,5-Trimethylbenzene

Concen: 0.030 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. 0.003 min

Lab File: VV029094.D

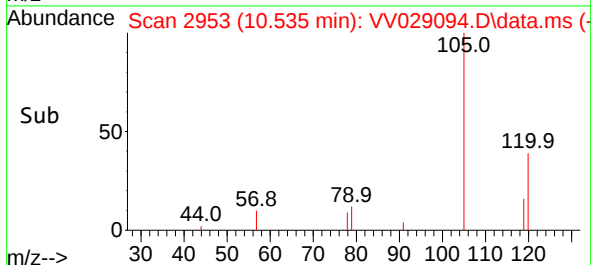
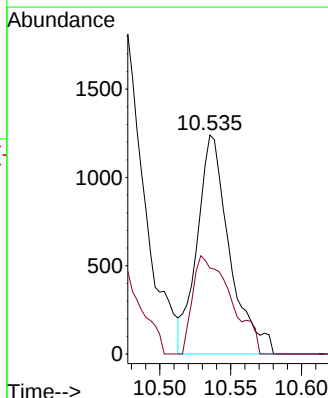
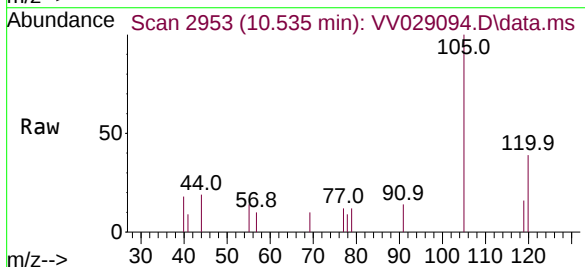
Acq: 18 Nov 2022 03:49

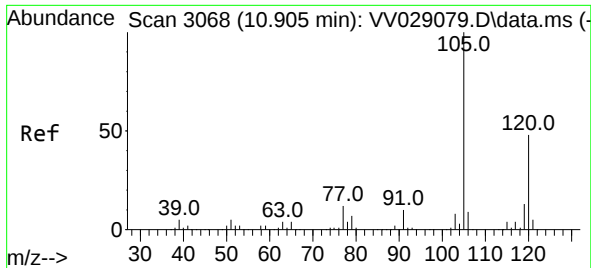
Tgt Ion: 105 Resp: 1975

Ion Ratio Lower Upper

105 100

120 53.1 39.9 59.9

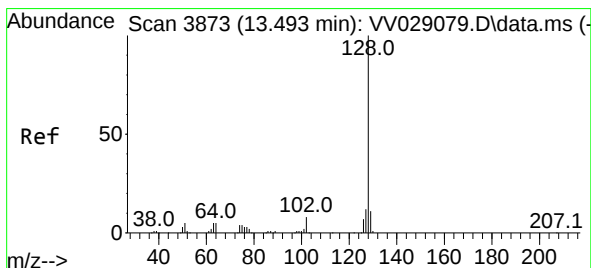
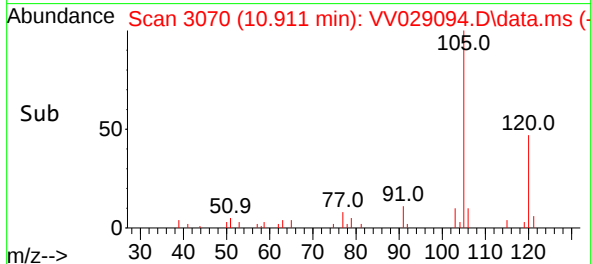
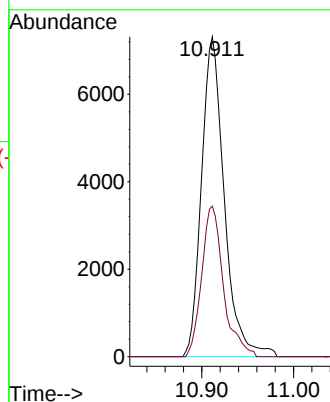
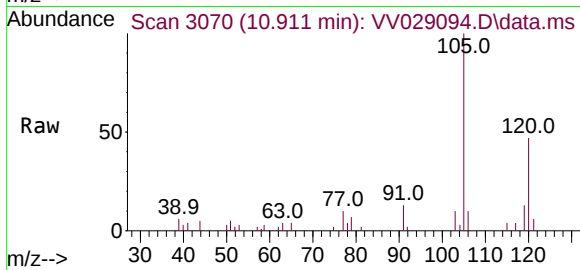




#63
1,2,4-Trimethylbenzene
Concen: 0.194 ug/L
RT: 10.911 min Scan# 3068
Delta R.T. 0.006 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

Instrument :
MSVOA_V
ClientSampleId :
H46D9

Tgt Ion:105 Resp: 12610
Ion Ratio Lower Upper
105 100
120 44.9 37.8 56.8



#71
Naphthalene
Concen: 0.110 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.013 min
Lab File: VV029094.D
Acq: 18 Nov 2022 03:49

Tgt Ion:128 Resp: 2974
Ion Ratio Lower Upper
128 100
129 8.1 8.8 13.2#
127 11.6 9.8 14.8

