

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033405.D
 Acq On : 16 Dec 2023 02:32
 Operator : SY/MD
 Sample : 05802-17DL 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 04:26:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 16 01:35:53 2023
 Response via : Initial Calibration

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

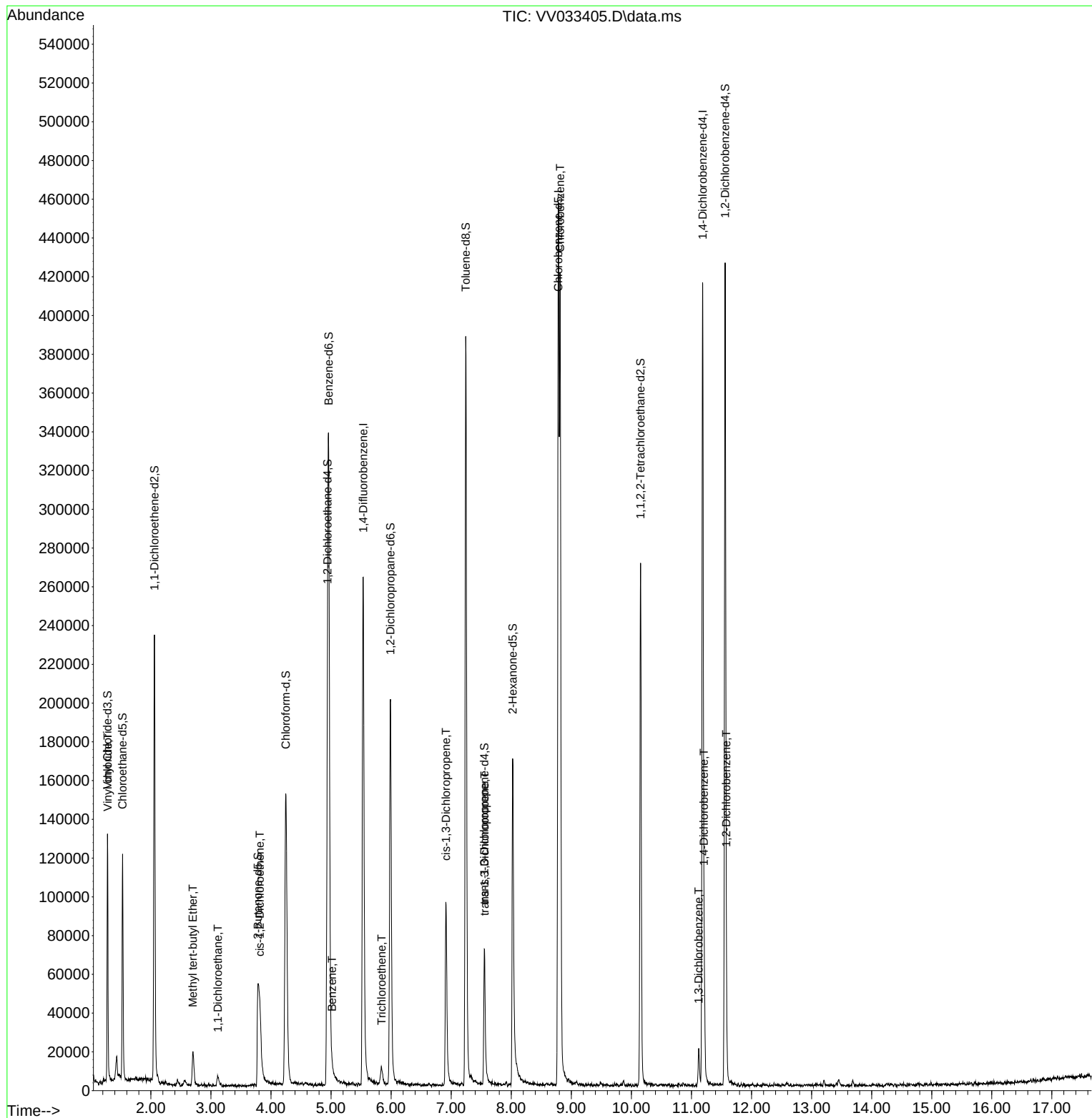
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	224994	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	232593	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	100011	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	78333	45.210	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.420%		
7) Chloroethane-d5	1.529	69	72181	46.421	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.840%		
11) 1,1-Dichloroethene-d2	2.060	65	38026	44.088	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.180%		
21) 2-Butanone-d5	3.783	46	81328	93.134	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.130%		
24) Chloroform-d	4.246	84	157951	46.085	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.180%		
26) 1,2-Dichloroethane-d4	4.941	65	103039	48.939	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.880%		
32) Benzene-d6	4.960	84	290274	46.337	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.680%		
36) 1,2-Dichloropropane-d6	5.989	67	90958	47.841	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.680%		
41) Toluene-d8	7.243	98	252591	44.066	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.140%		
43) trans-1,3-Dichloroprop...	7.551	79	39363	42.245	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.480%		
47) 2-Hexanone-d5	8.024	63	56292	88.027	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.030%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	122722	44.910	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.820%		
66) 1,2-Dichlorobenzene-d4	11.561	152	103675	55.165	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.320%		
Target Compounds						Qvalue
5) Vinyl chloride	1.282	62	1726	0.946	ug/L #	1
18) Methyl tert-butyl Ether	2.700	73	14158	3.111	ug/L #	91
19) 1,1-Dichloroethane	3.114	63	4657	1.621	ug/L	91
20) cis-1,2-Dichloroethene	3.815	96	14912	8.776	ug/L	98
33) Benzene	5.015	78	3607	0.582	ug/L	100
34) Trichloroethene	5.844	95	1951	1.147	ug/L	88
39) cis-1,3-Dichloropropene	6.915	75	3141	1.284	ug/L	87
44) trans-1,3-Dichloropropene	7.558	75	2529	1.030	ug/L	93
51) Chlorobenzene	8.815	112	212747	44.927	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	6889	2.334	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	23563	7.417	ug/L	96
67) 1,2-Dichlorobenzene	11.580	146	6138	1.998	ug/L	94

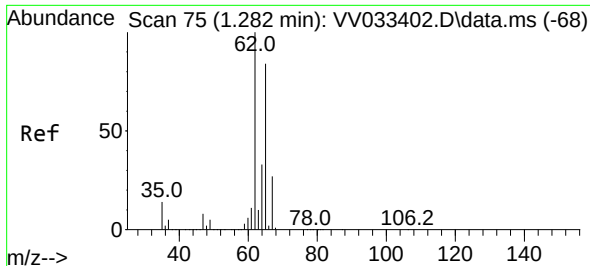
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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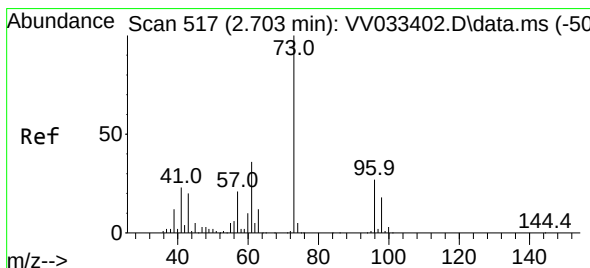
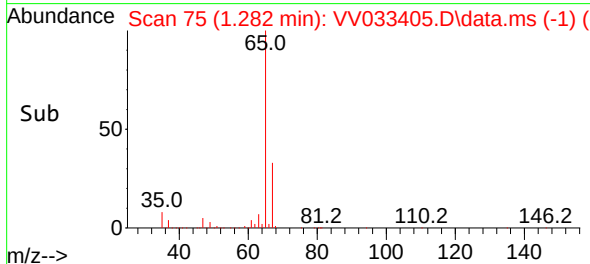
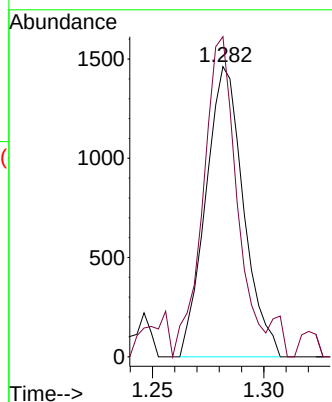
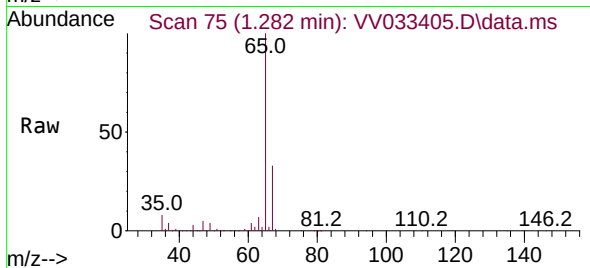




#5
 Vinyl chloride
 Concen: 0.946 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV033405.D
 Acq: 16 Dec 2023 02:32

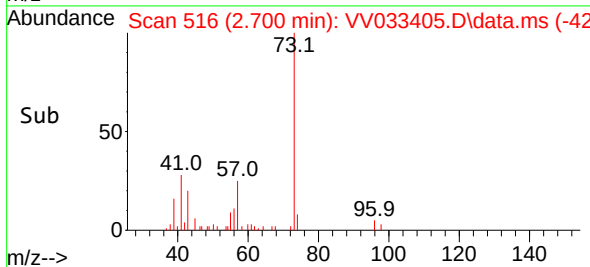
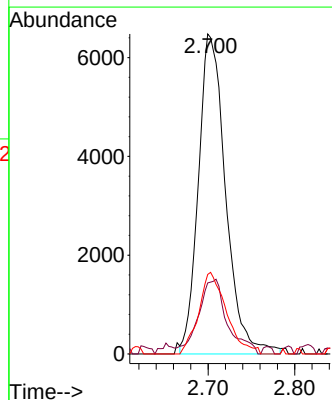
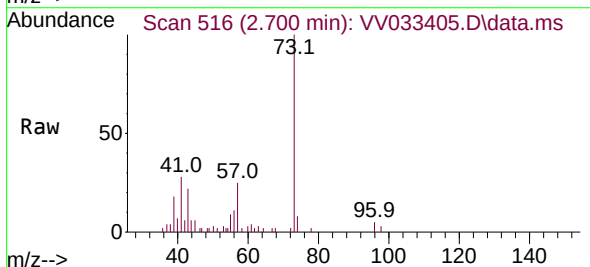
Instrument :
 MSVOA_V
 ClientSampleId :

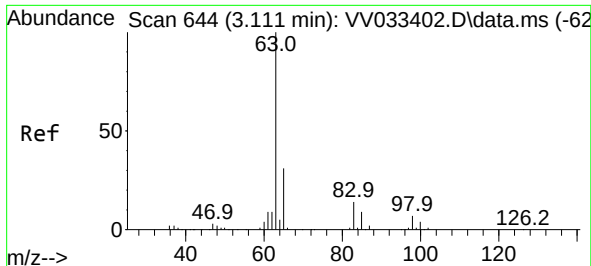
Tgt Ion: 62 Resp: 1726
 Ion Ratio Lower Upper
 62 100
 64 110.3 23.4 43.6#



#18
 Methyl tert-butyl Ether
 Concen: 3.111 ug/L
 RT: 2.700 min Scan# 516
 Delta R.T. -0.003 min
 Lab File: VV033405.D
 Acq: 16 Dec 2023 02:32

Tgt Ion: 73 Resp: 14158
 Ion Ratio Lower Upper
 73 100
 43 24.7 16.3 24.5#
 57 25.8 17.3 25.9





#19

1,1-Dichloroethane

Concen: 1.621 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV033405.D

Acq: 16 Dec 2023 02:32

Instrument :

MSVOA_V

ClientSampleId :

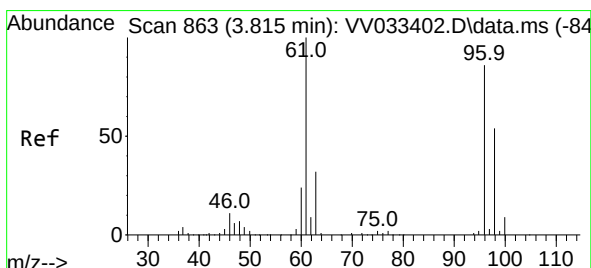
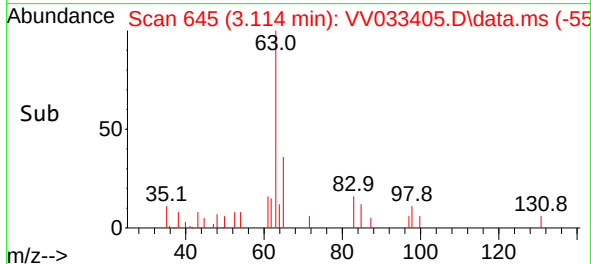
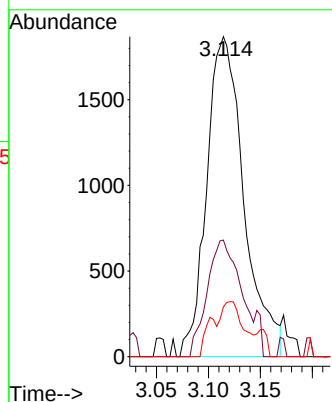
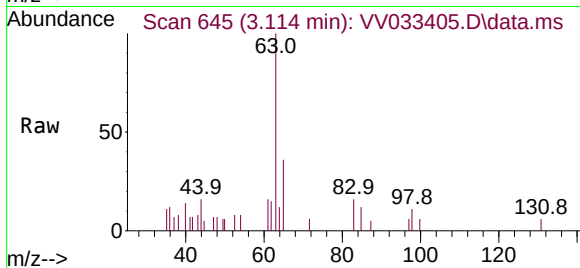
Tgt Ion: 63 Resp: 4657

Ion Ratio Lower Upper

63 100

65 36.5 21.1 39.3

83 15.6 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 8.776 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033405.D

Acq: 16 Dec 2023 02:32

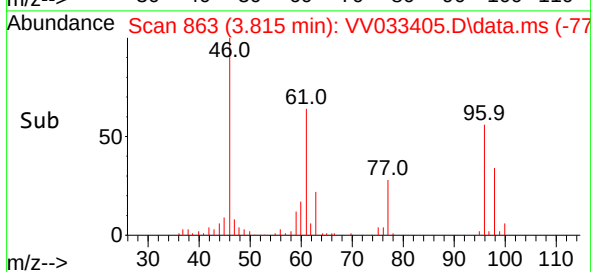
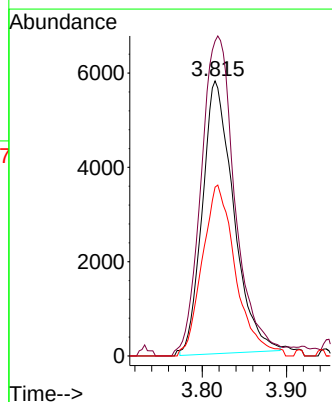
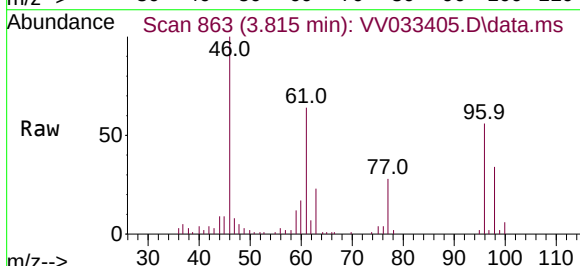
Tgt Ion: 96 Resp: 14912

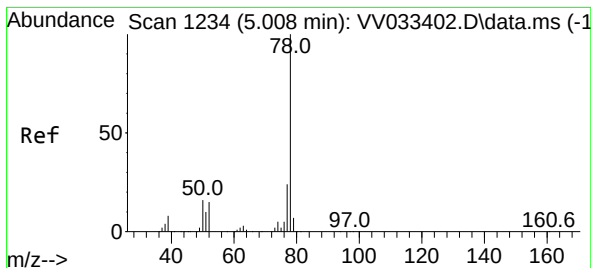
Ion Ratio Lower Upper

96 100

61 114.5 81.9 152.1

98 61.4 44.3 82.3





#33

Benzene

Concen: 0.582 ug/L

RT: 5.015 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV033405.D

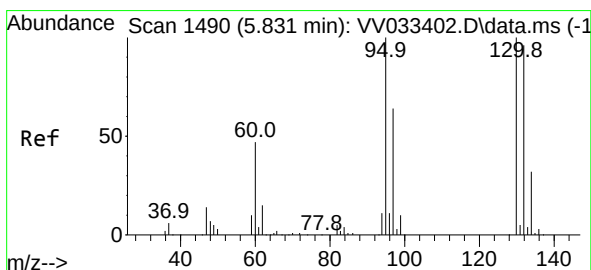
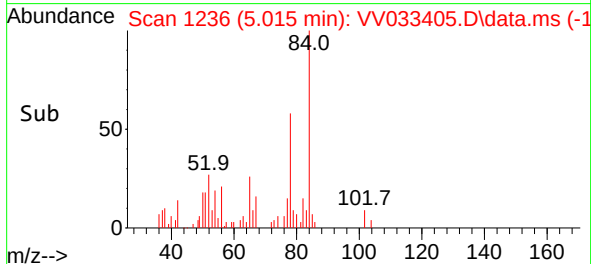
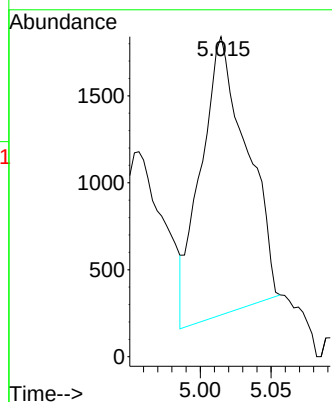
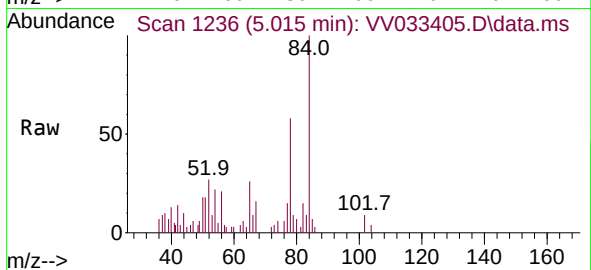
Acq: 16 Dec 2023 02:32

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 3607



#34

Trichloroethene

Concen: 1.147 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.013 min

Lab File: VV033405.D

Acq: 16 Dec 2023 02:32

Tgt Ion: 95 Resp: 1951

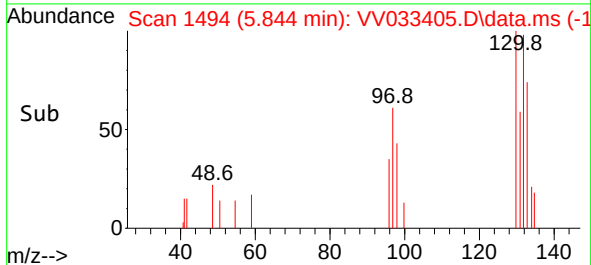
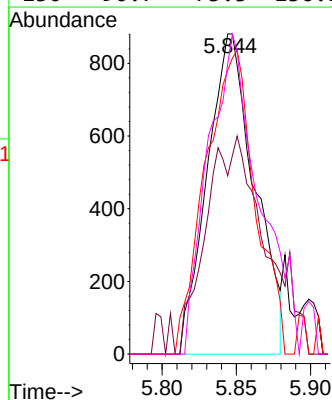
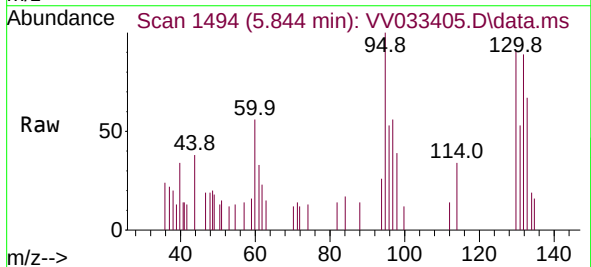
Ion Ratio Lower Upper

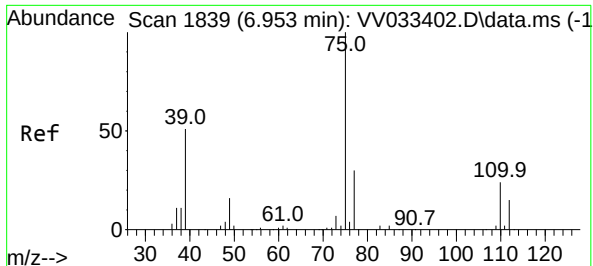
95 100

97 55.7 44.8 83.2

132 88.6 69.9 129.7

130 90.7 73.3 136.1





#39

cis-1,3-Dichloropropene

Concen: 1.284 ug/L

RT: 6.915 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV033405.D

Acq: 16 Dec 2023 02:32

Instrument :

MSVOA_V

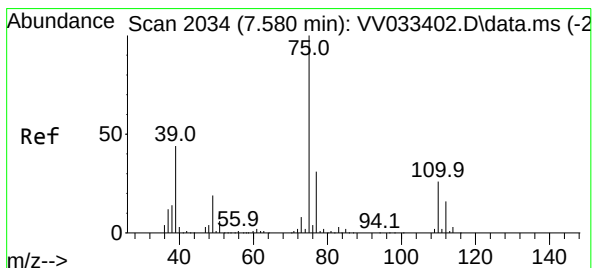
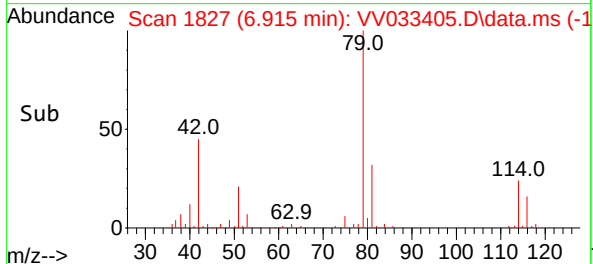
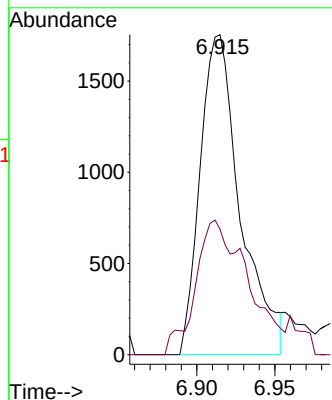
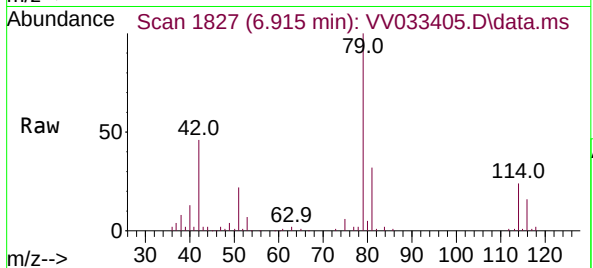
ClientSampleId :

Tgt Ion: 75 Resp: 3141

Ion Ratio Lower Upper

75 100

77 39.2 22.3 41.3



#44

trans-1,3-Dichloropropene

Concen: 1.030 ug/L

RT: 7.558 min Scan# 2027

Delta R.T. -0.022 min

Lab File: VV033405.D

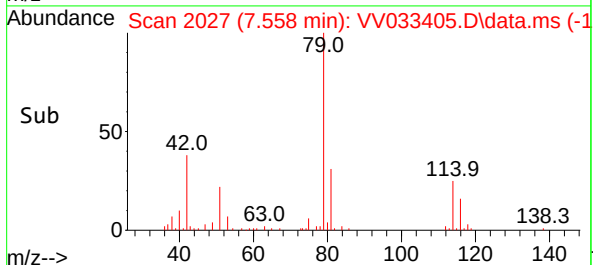
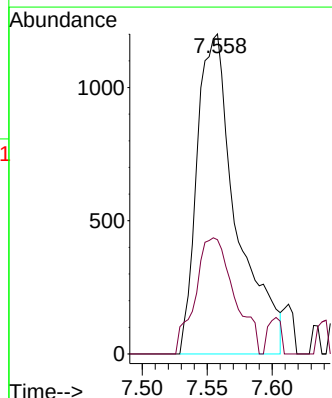
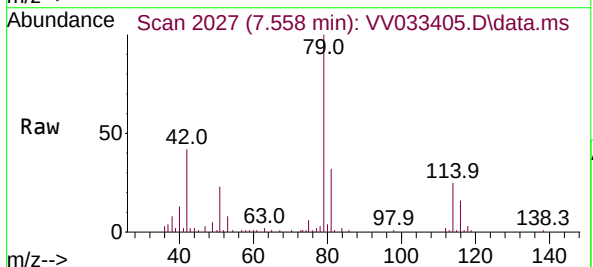
Acq: 16 Dec 2023 02:32

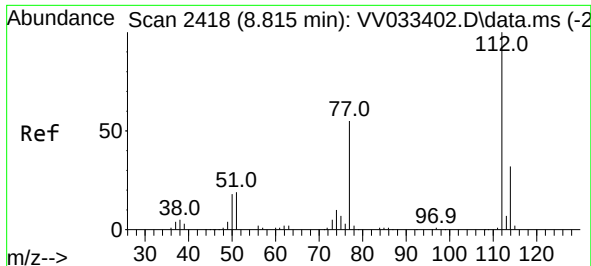
Tgt Ion: 75 Resp: 2529

Ion Ratio Lower Upper

75 100

77 35.7 22.4 41.6

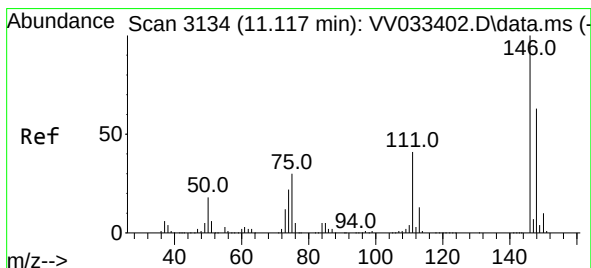
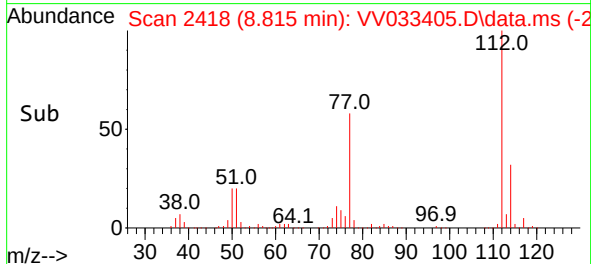
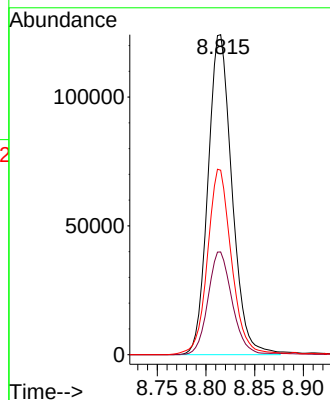
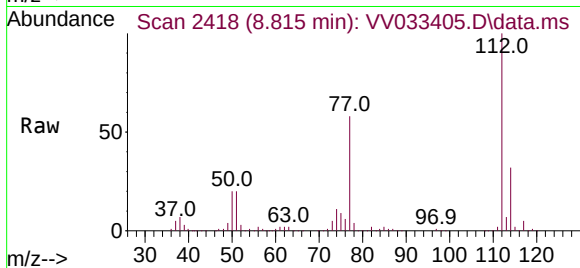




#51
Chlorobenzene
Concen: 44.927 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV033405.D
Acq: 16 Dec 2023 02:32

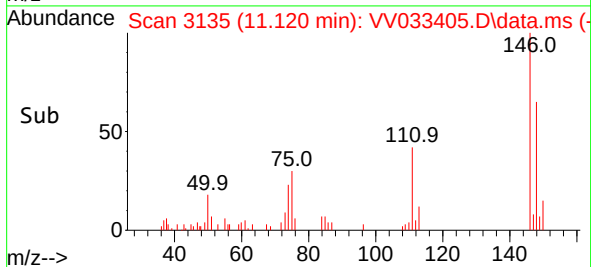
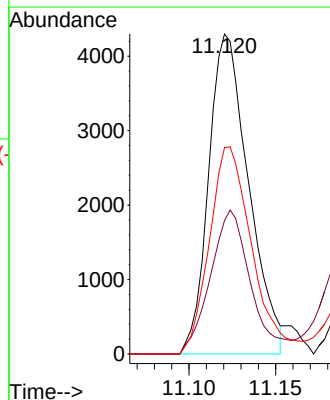
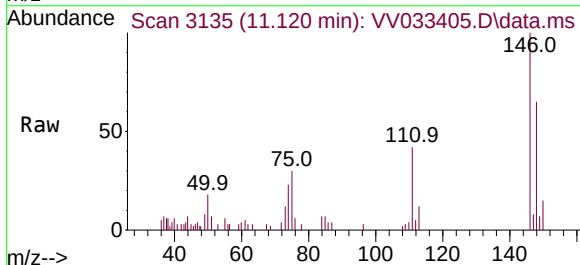
Instrument :
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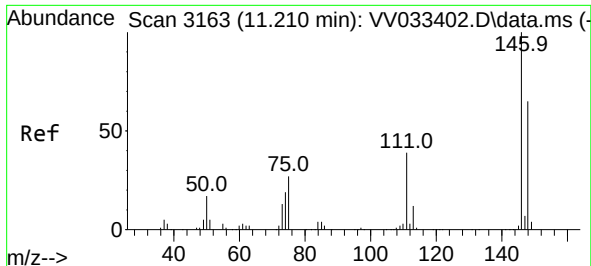
Tgt Ion:112 Resp: 212747
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 57.7 45.2 67.8



#64
1,3-Dichlorobenzene
Concen: 2.334 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.003 min
Lab File: VV033405.D
Acq: 16 Dec 2023 02:32

Tgt Ion:146 Resp: 6889
Ion Ratio Lower Upper
146 100
111 41.7 29.3 54.5
148 64.5 45.4 84.4

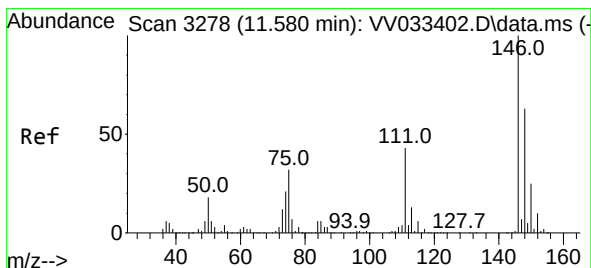
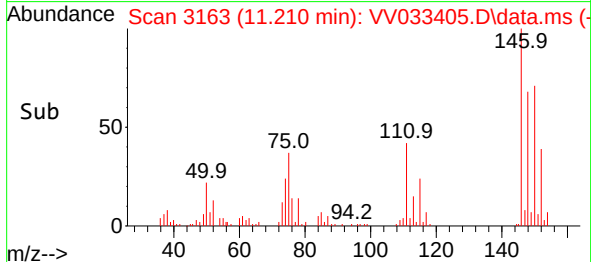
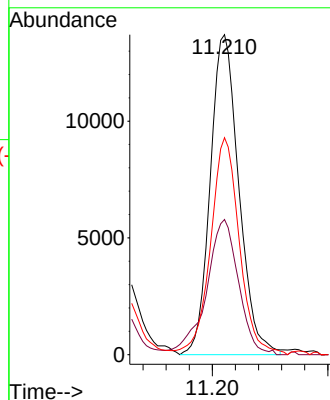
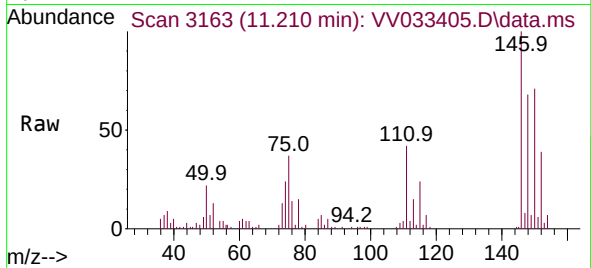




#65
1,4-Dichlorobenzene
Concen: 7.417 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033405.D
Acq: 16 Dec 2023 02:32

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 23563
Ion Ratio Lower Upper
146 100
111 42.3 27.9 51.7
148 67.8 45.5 84.5



#67
1,2-Dichlorobenzene
Concen: 1.998 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VV033405.D
Acq: 16 Dec 2023 02:32

Tgt Ion:146 Resp: 6138
Ion Ratio Lower Upper
146 100
111 45.4 33.5 50.3
148 69.1 51.1 76.7

