

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091522\
 Data File : VW027845.D
 Acq On : 15 Sep 2022 10:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005290

Quant Time: Sep 16 01:23:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 15 02:47:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.584	114	150795	5.000	ug/L	-0.03
28) Chlorobenzene-d5	8.854	117	121649	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69094	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	36275	3.649	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.000%
7) Chloroethane-d5	1.555	69	37714	4.473	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.095	63	88208	4.182	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.600%
20) 2-Butanone-d5	3.944	46	85078	38.621	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.240%
24) Chloroform-d	4.336	84	96819	4.757	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.024	65	52816	4.873	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.031	84	189698	5.375	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.600%
36) 1,2-Dichloropropane-d6	6.047	67	58579	5.669	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.400%
41) Toluene-d8	7.317	98	157441	5.305	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
43) trans-1,3-Dichloroprop...	7.629	79	16525	4.767	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.400%
46) 2-Hexanone-d5	8.111	63	54626	42.394	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.780%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	30419	4.584	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	53602	4.722	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	67244	4.542	ug/L	99
3) Chloromethane	1.230	50	50280	3.730	ug/L	94
5) Vinyl chloride	1.298	62	56738	4.179	ug/L	98
6) Bromomethane	1.510	94	32845	4.492	ug/L	98
8) Chloroethane	1.574	64	34929	4.480	ug/L	98
9) Trichlorofluoromethane	1.741	101	109942	4.998	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	52381	4.885	ug/L	95
12) 1,1-Dichloroethene	2.105	96	47724	4.775	ug/L	92
13) Acetone	2.230	43	58809	35.830	ug/L	92
14) Carbon disulfide	2.278	76	117944	3.975	ug/L	98
15) Methyl Acetate	2.445	43	14207	3.263	ug/L #	84
16) Methylene chloride	2.494	84	51562	4.006	ug/L	88
17) Methyl tert-butyl Ether	2.770	73	107546	4.534	ug/L	98
18) trans-1,2-Dichloroethene	2.741	96	48948	4.638	ug/L	90
19) 1,1-Dichloroethane	3.172	63	91237	4.607	ug/L	98
21) 2-Butanone	4.024	43	87948	37.959	ug/L	92
22) cis-1,2-Dichloroethene	3.892	96	54569	4.744	ug/L #	91
23) Bromochloromethane	4.230	128	21859	4.525	ug/L	81
25) Chloroform	4.362	83	101406	4.615	ug/L	100

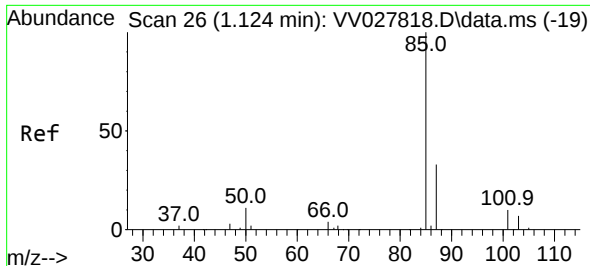
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091522\
 Data File : VW027845.D
 Acq On : 15 Sep 2022 10:26
 Operator : SY/MD
 Sample : VSTDCCC005
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005290

Quant Time: Sep 16 01:23:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 15 02:47:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	66912	5.022	ug/L	96
29) 1,1,1-Trichloroethane	4.590	97	98081	5.242	ug/L	98
30) Cyclohexane	4.651	56	69402	4.514	ug/L	93
31) Carbon tetrachloride	4.805	117	86765	5.458	ug/L	98
33) Benzene	5.079	78	213106	5.303	ug/L	100
34) Trichloroethene	5.876	95	55078	5.477	ug/L	97
35) Methylcyclohexane	6.088	83	79353	5.138	ug/L	95
37) 1,2-Dichloropropane	6.149	63	45905	4.815	ug/L	98
38) Bromodichloromethane	6.516	83	63433	5.018	ug/L	97
39) cis-1,3-Dichloropropene	7.030	75	60259	5.006	ug/L	98
40) 4-Methyl-2-pentanone	7.256	43	185236	42.866	ug/L	96
42) Toluene	7.387	91	214364	5.508	ug/L	99
44) trans-1,3-Dichloropropene	7.657	75	50594	5.008	ug/L	98
45) 1,1,2-Trichloroethane	7.847	97	32747	5.301	ug/L	93
47) Tetrachloroethene	7.973	164	43079	5.338	ug/L	94
48) 2-Hexanone	8.159	43	139939	44.544	ug/L	98
49) Dibromochloromethane	8.249	129	41277	5.263	ug/L	99
50) 1,2-Dibromoethane	8.358	107	28395	5.083	ug/L #	98
51) Chlorobenzene	8.882	112	135066	5.348	ug/L	98
52) Ethylbenzene	9.011	91	212333	5.261	ug/L	100
53) m,p-Xylene	9.140	106	87536	5.514	ug/L	95
54) o-Xylene	9.542	106	83694	5.530	ug/L	96
55) Styrene	9.561	104	145572	5.563	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.243	83	32385	4.678	ug/L	98
59) Bromoform	9.735	173	21183	5.065	ug/L #	98
60) Isopropylbenzene	9.931	105	223279	5.165	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	24381	4.456	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	62375	5.123	ug/L	98
63) 1,2,4-Trimethylbenzene	10.915	105	169406	4.895	ug/L	98
64) 1,3-Dichlorobenzene	11.181	146	113077	5.166	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	111943	5.075	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	100322	5.047	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4881	4.156	ug/L	97
69) 1,3,5-Trichlorobenzene	12.641	180	84851	5.117	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	61865	4.718	ug/L	98
71) Naphthalene	13.500	128	80217	3.895	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	53861	4.611	ug/L	100

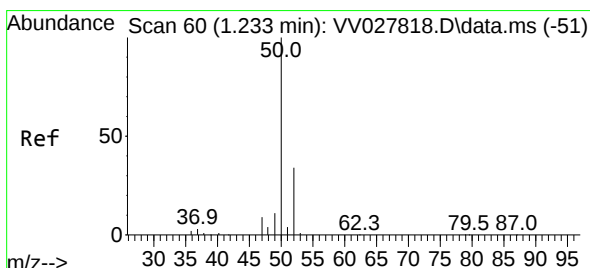
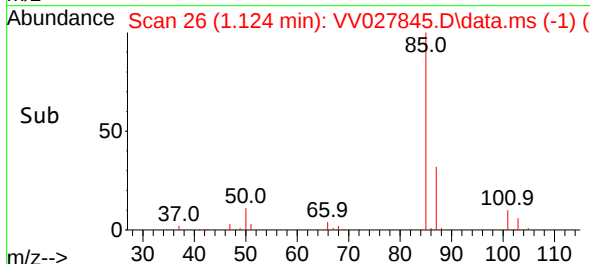
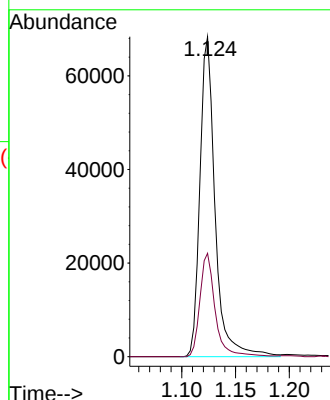
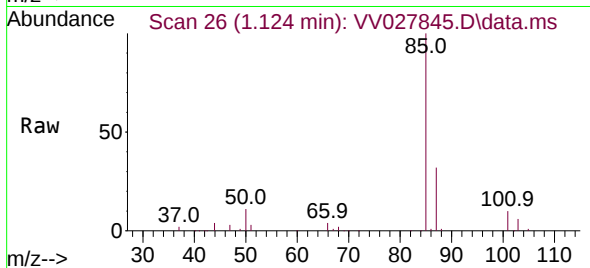
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#2
 Dichlorodifluoromethane
 Concen: 4.542 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VV027845.D
 Acq: 15 Sep 2022 10:26

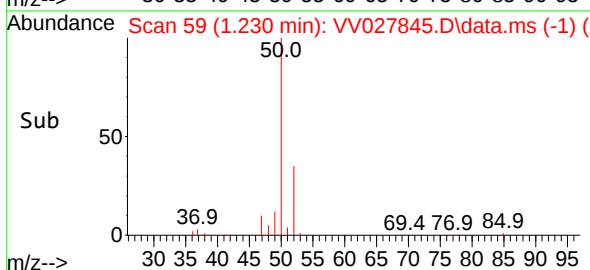
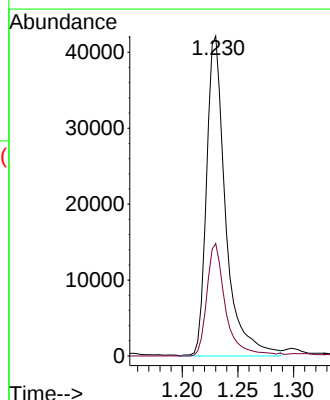
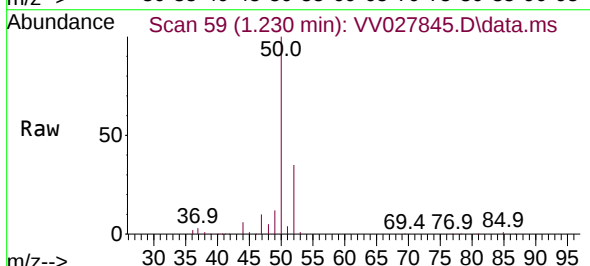
Instrument :
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 ClientSampleId :
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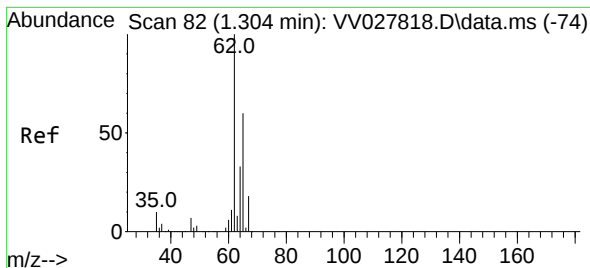
Tgt Ion: 85 Resp: 67244
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.4 38.0



#3
 Chloromethane
 Concen: 3.730 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.010 min
 Lab File: VV027845.D
 Acq: 15 Sep 2022 10:26

Tgt Ion: 50 Resp: 50280
 Ion Ratio Lower Upper
 50 100
 52 35.1 22.1 41.1





#5

Vinyl chloride

Concen: 4.179 ug/L

RT: 1.298 min Scan# 80

Delta R.T. -0.010 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

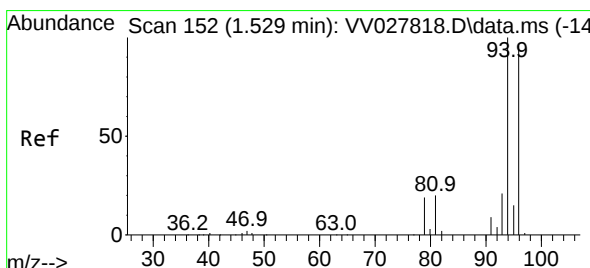
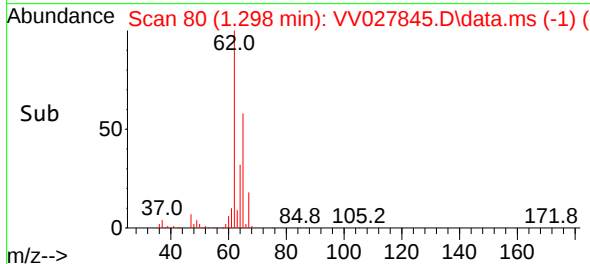
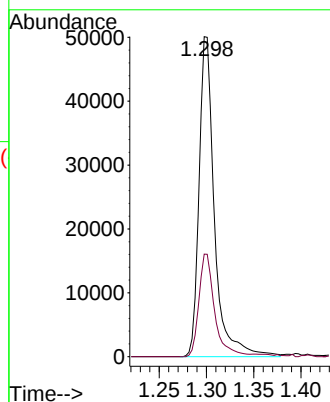
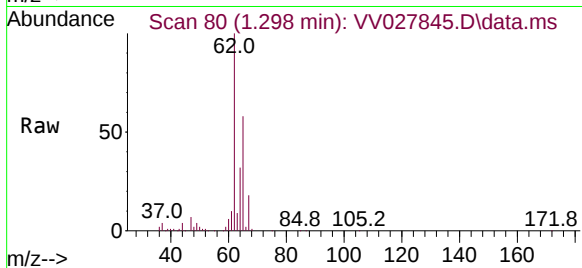
VSTD005290

Tgt Ion: 62 Resp: 56738

Ion Ratio Lower Upper

62 100

64 32.0 23.2 43.2



#6

Bromomethane

Concen: 4.492 ug/L

RT: 1.510 min Scan# 146

Delta R.T. -0.010 min

Lab File: VV027845.D

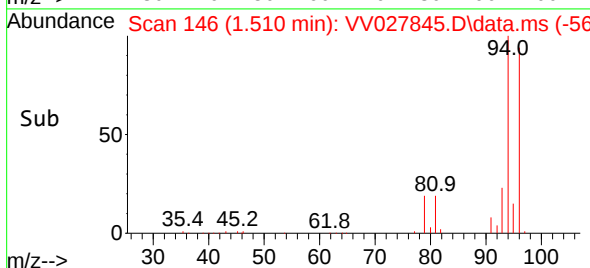
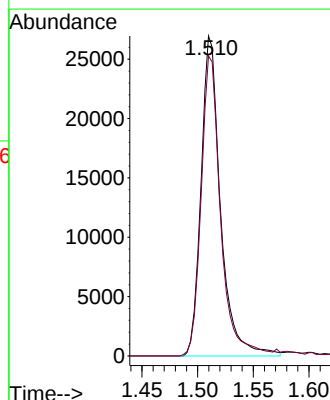
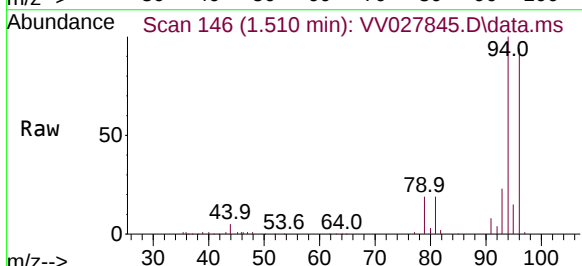
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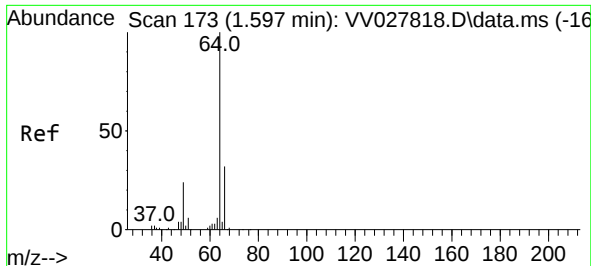
Tgt Ion: 94 Resp: 32845

Ion Ratio Lower Upper

94 100

96 93.7 64.2 119.2

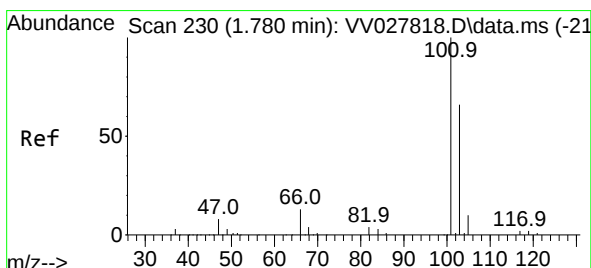
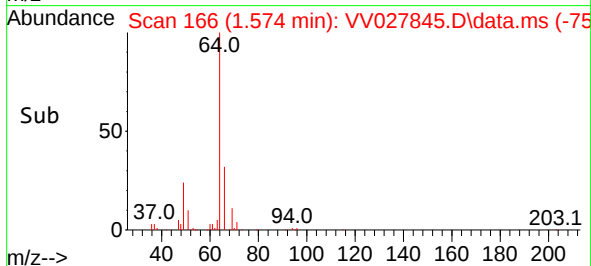
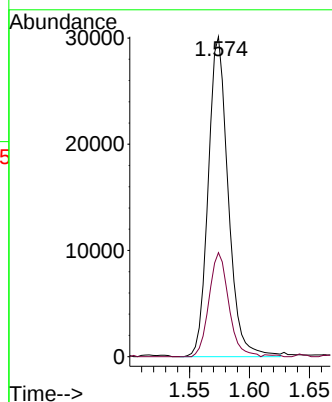
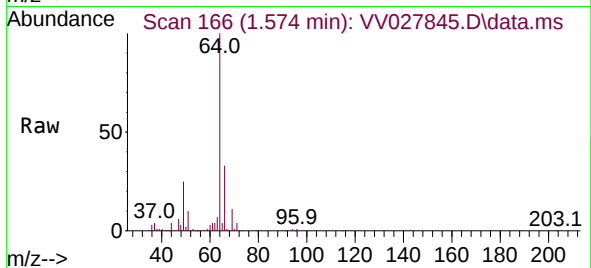




#8
Chloroethane
Concen: 4.480 ug/L
RT: 1.574 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

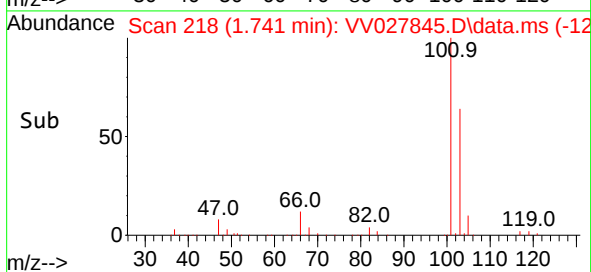
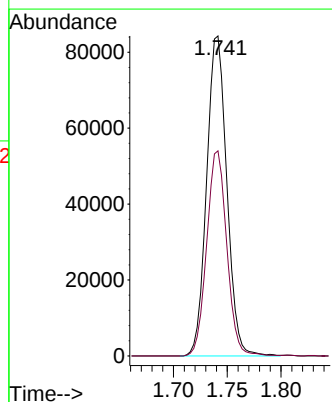
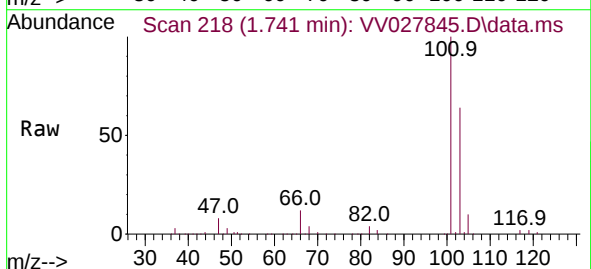
Instrument :
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ClientSampleId :
VSTD005290

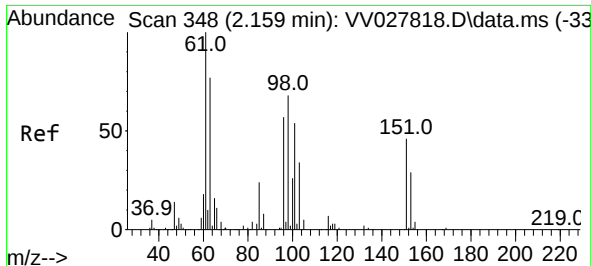
Tgt Ion: 64 Resp: 34929
Ion Ratio Lower Upper
64 100
66 32.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.998 ug/L
RT: 1.741 min Scan# 218
Delta R.T. -0.006 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion: 101 Resp: 109942
Ion Ratio Lower Upper
101 100
103 63.8 52.3 78.5

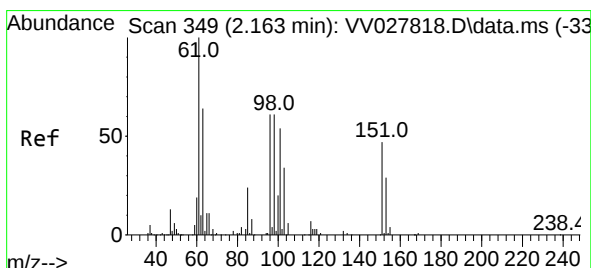
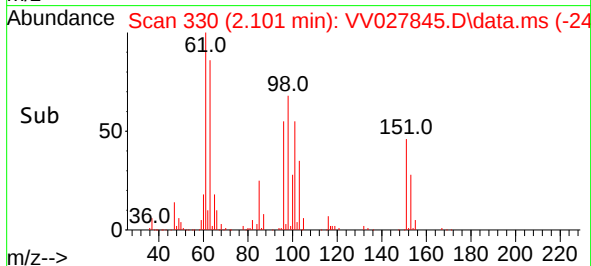
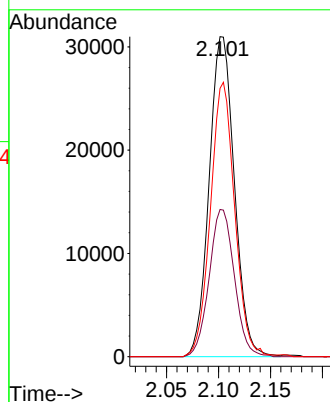
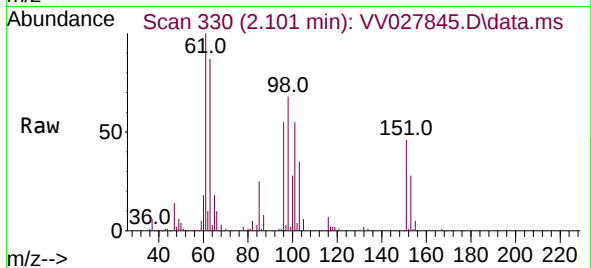




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.885 ug/L
RT: 2.101 min Scan# 311
Delta R.T. -0.013 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

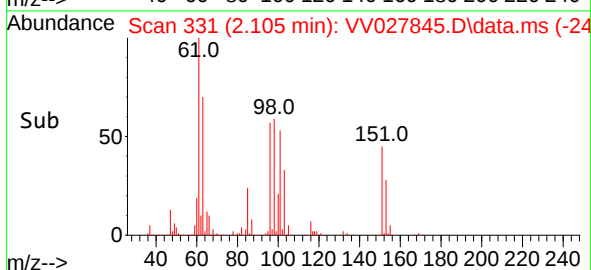
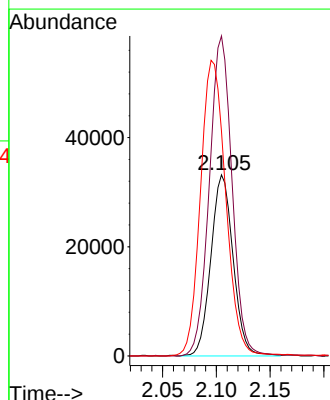
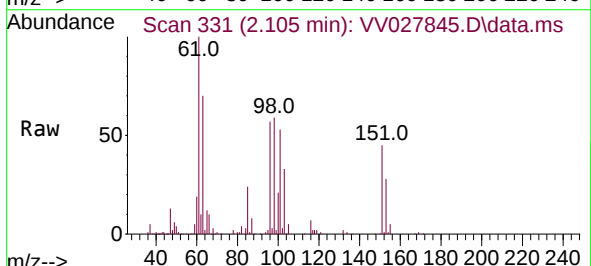
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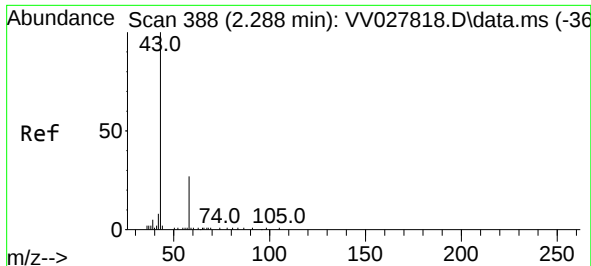
Tgt Ion:101 Resp: 52381
Ion Ratio Lower Upper
101 100
85 45.9 35.8 53.8
151 82.6 61.2 91.8



#12
1,1-Dichloroethene
Concen: 4.775 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.010 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion: 96 Resp: 47724
Ion Ratio Lower Upper
96 100
61 176.6 129.9 241.3
63 124.1 94.6 175.8





#13

Acetone

Concen: 35.830 ug/L

RT: 2.230 min Scan# 31

Delta R.T. 0.055 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

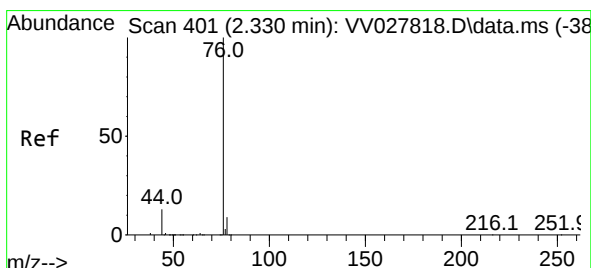
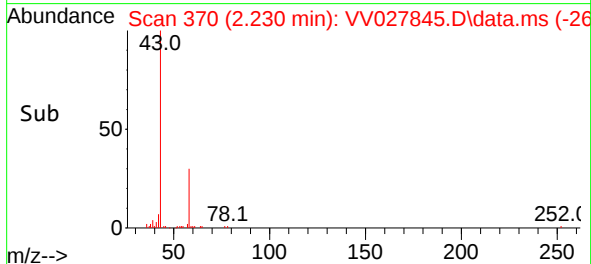
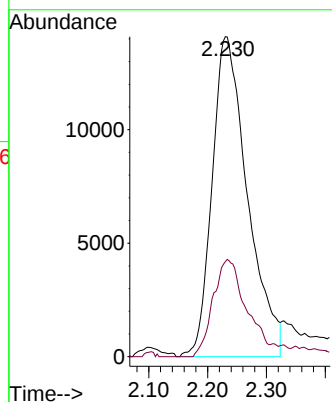
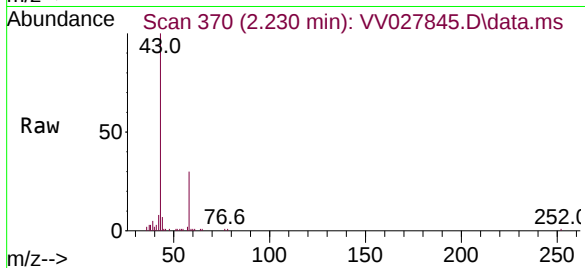
VSTD005290

Tgt Ion: 43 Resp: 58809

Ion Ratio Lower Upper

43 100

58 28.6 0.0 49.4



#14

Carbon disulfide

Concen: 3.975 ug/L

RT: 2.278 min Scan# 385

Delta R.T. -0.010 min

Lab File: VV027845.D

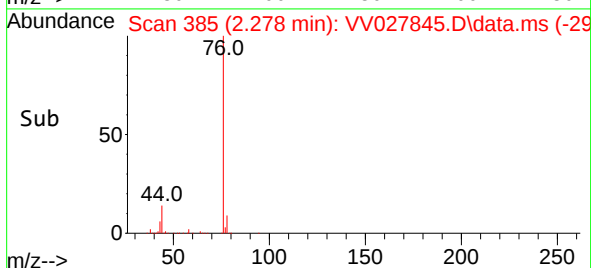
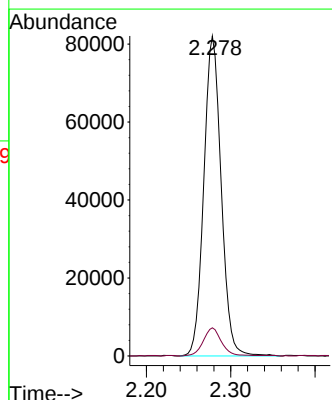
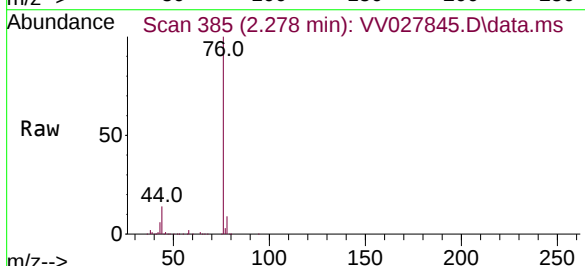
Acq: 15 Sep 2022 10:26

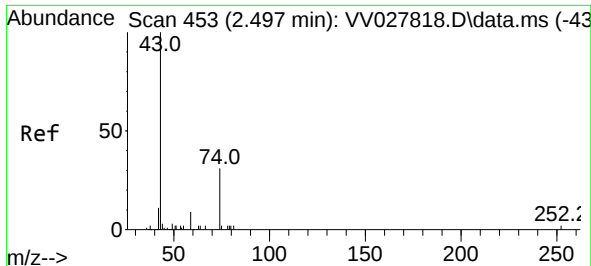
Tgt Ion: 76 Resp: 117944

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5

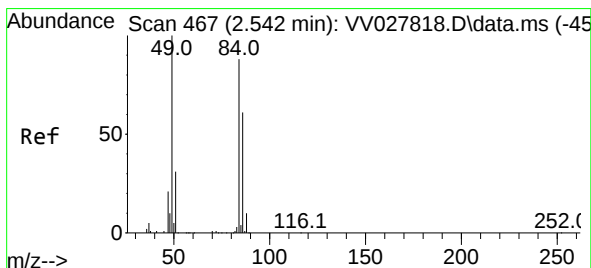
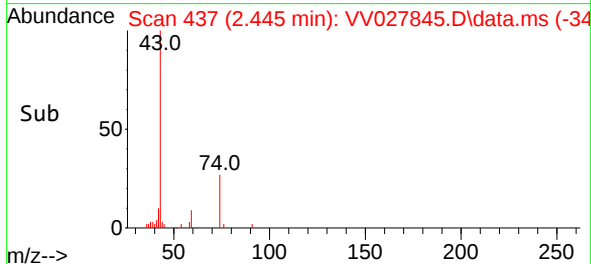
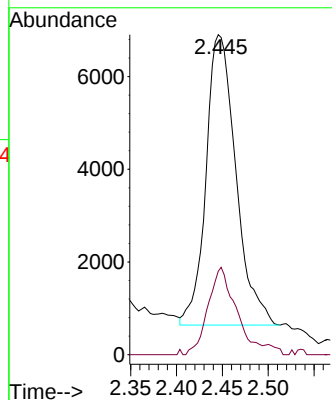
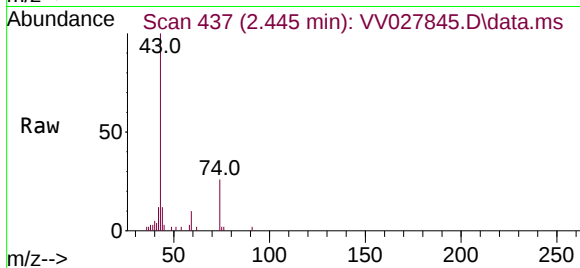




#15
Methyl Acetate
Concen: 3.263 ug/L
RT: 2.445 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

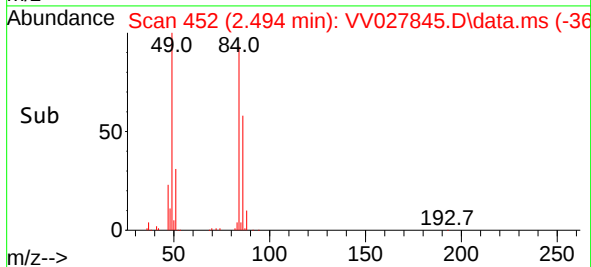
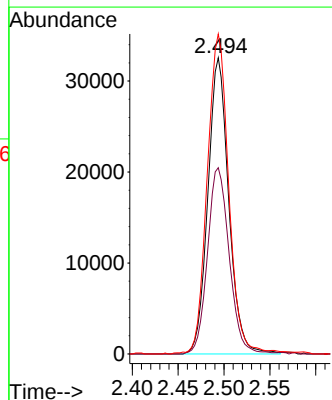
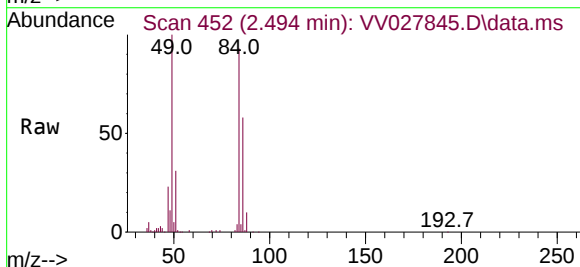
Instrument :
MSVOA_V
ClientSampleId :
VSTD005290

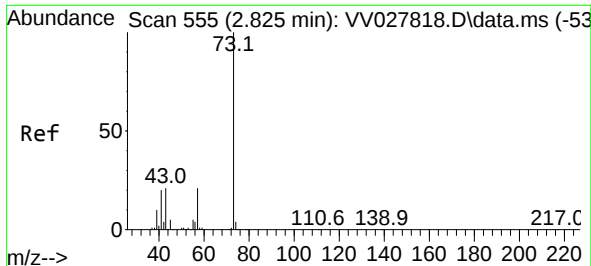
Tgt Ion: 43 Resp: 14207
Ion Ratio Lower Upper
43 100
74 28.0 16.6 25.0#



#16
Methylene chloride
Concen: 4.006 ug/L
RT: 2.494 min Scan# 452
Delta R.T. -0.010 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion: 84 Resp: 51562
Ion Ratio Lower Upper
84 100
86 62.9 44.9 83.3
49 108.0 90.1 167.3





#17

Methyl tert-butyl Ether

Concen: 4.534 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005290

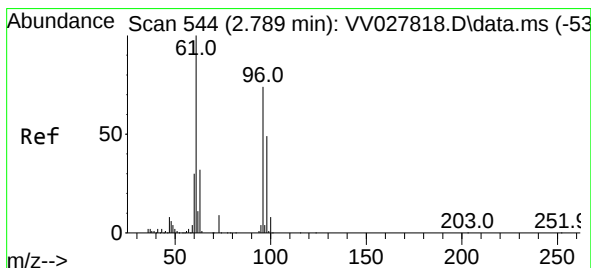
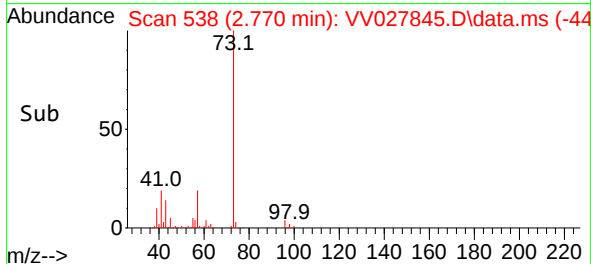
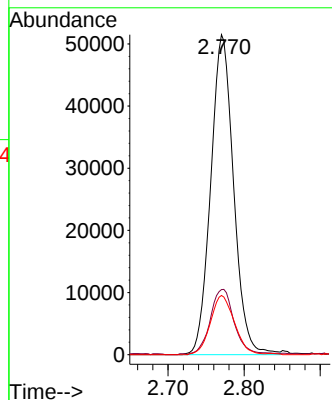
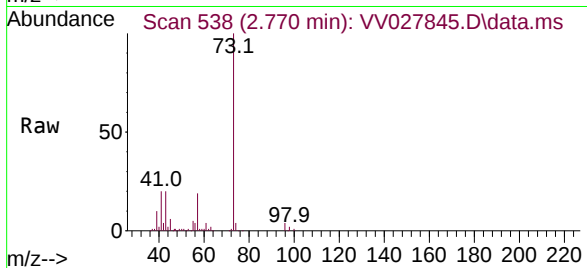
Tgt Ion: 73 Resp: 107546

Ion Ratio Lower Upper

73 100

43 21.5 17.5 26.3

57 19.4 16.9 25.3



#18

trans-1,2-Dichloroethene

Concen: 4.638 ug/L

RT: 2.741 min Scan# 529

Delta R.T. -0.013 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

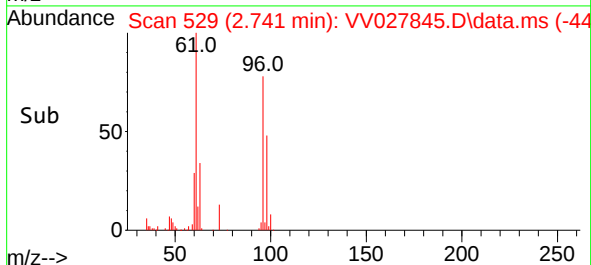
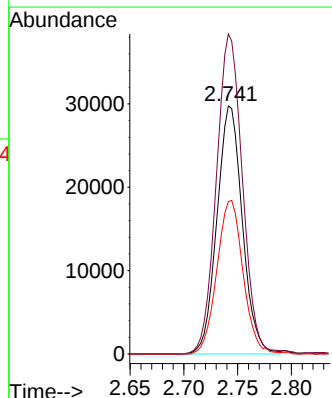
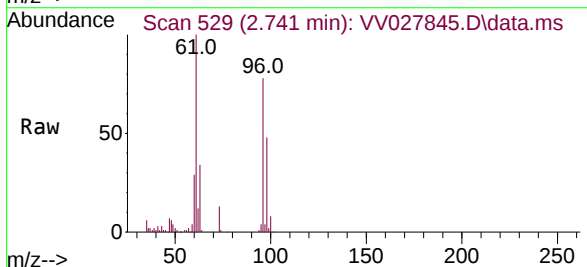
Tgt Ion: 96 Resp: 48948

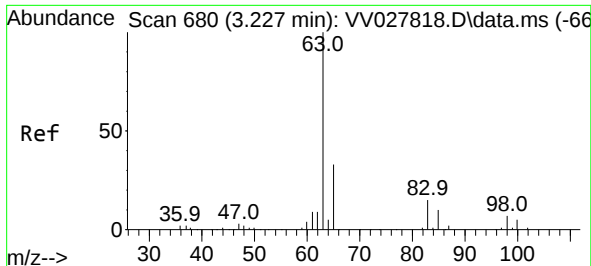
Ion Ratio Lower Upper

96 100

61 129.0 102.6 190.5

98 61.5 44.0 81.8

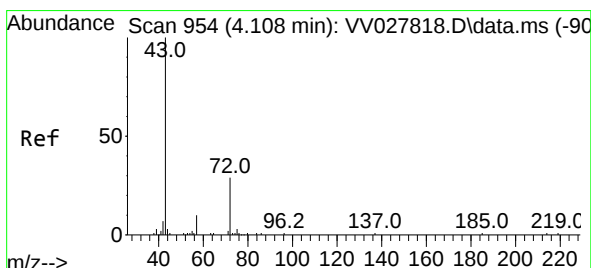
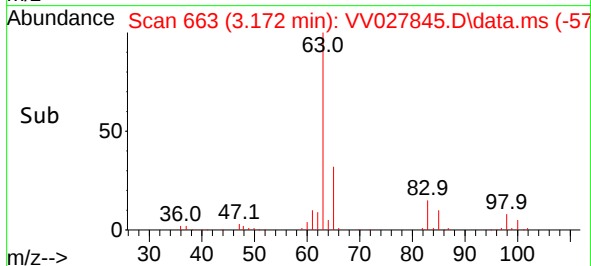
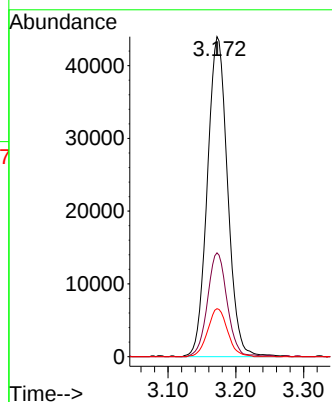
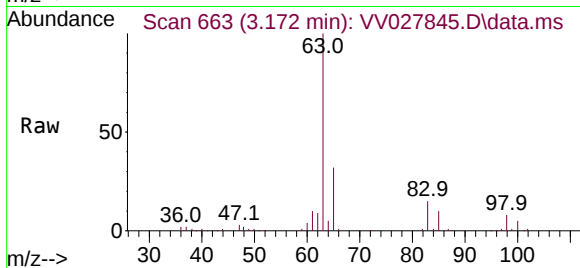




#19
1,1-Dichloroethane
Concen: 4.607 ug/L
RT: 3.172 min Scan# 61
Delta R.T. -0.013 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

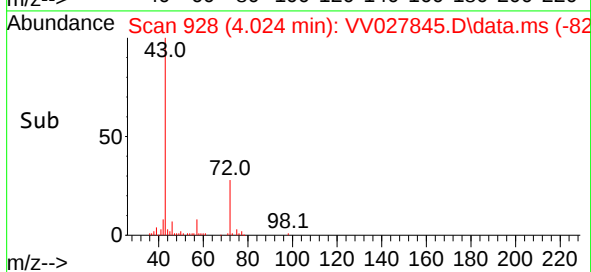
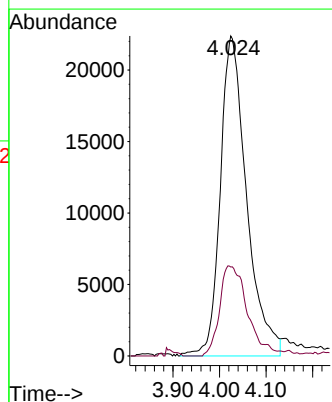
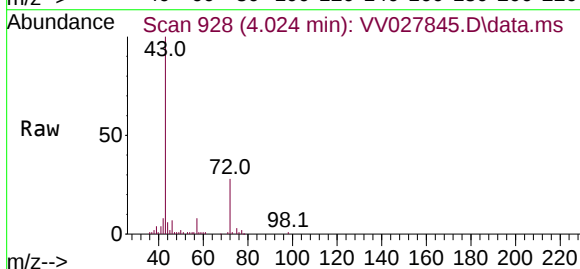
Instrument :
MSVOA_V
ClientSampleId :
VSTD005290

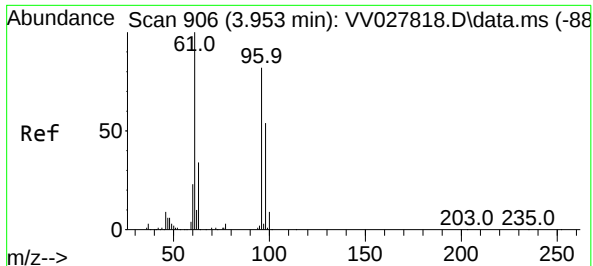
Tgt Ion: 63 Resp: 91237
Ion Ratio Lower Upper
63 100
65 32.5 22.0 41.0
83 15.0 10.1 18.9



#21
2-Butanone
Concen: 37.959 ug/L
RT: 4.024 min Scan# 928
Delta R.T. 0.045 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion: 43 Resp: 87948
Ion Ratio Lower Upper
43 100
72 29.9 13.0 39.0

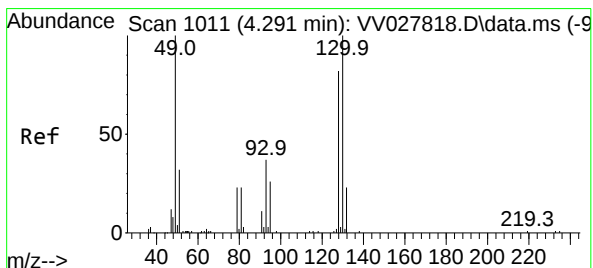
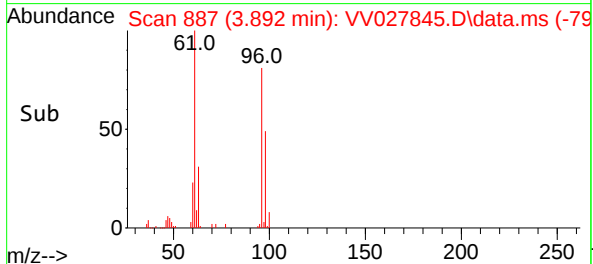
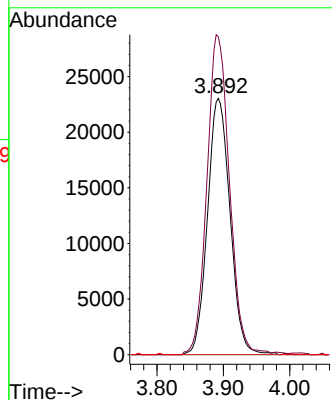
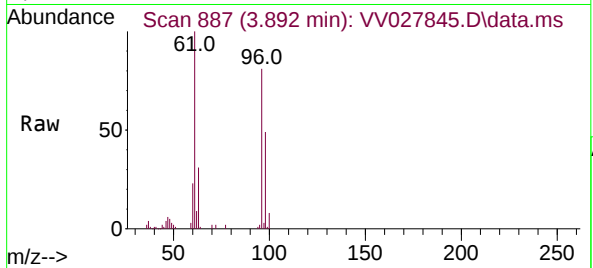




#22
 cis-1,2-Dichloroethene
 Concen: 4.744 ug/L
 RT: 3.892 min Scan# 81
 Delta R.T. -0.013 min
 Lab File: VV027845.D
 Acq: 15 Sep 2022 10:26

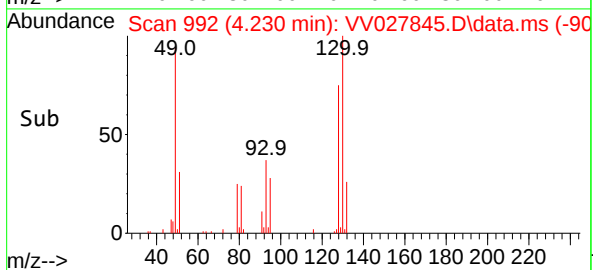
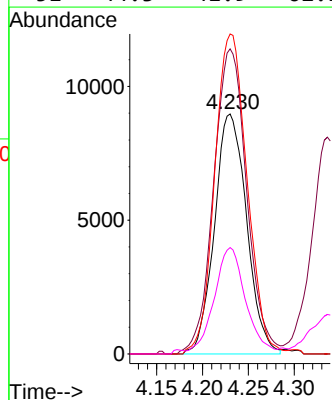
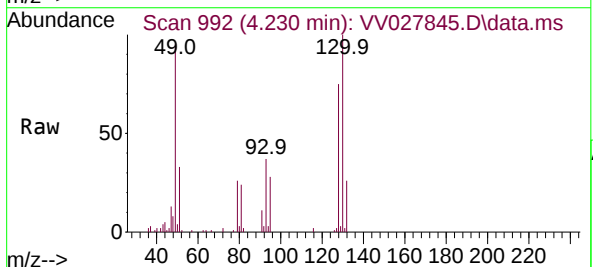
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005290

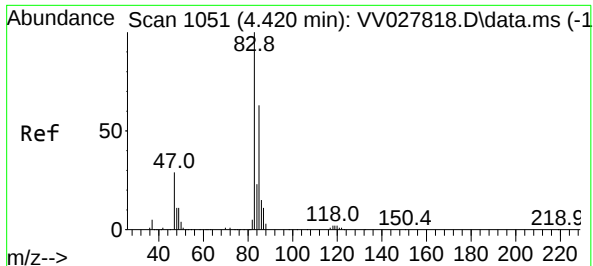
Tgt Ion: 96 Resp: 54569
 Ion Ratio Lower Upper
 96 100
 61 124.0 94.6 175.6
 68 0.0 0.3 0.5#



#23
 Bromochloromethane
 Concen: 4.525 ug/L
 RT: 4.230 min Scan# 992
 Delta R.T. -0.013 min
 Lab File: VV027845.D
 Acq: 15 Sep 2022 10:26

Tgt Ion:128 Resp: 21859
 Ion Ratio Lower Upper
 128 100
 49 127.1 118.4 219.8
 130 133.3 89.2 165.6
 51 44.3 41.9 62.9





#25

Chloroform

Concen: 4.615 ug/L

RT: 4.362 min Scan# 1033

Delta R.T. -0.006 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

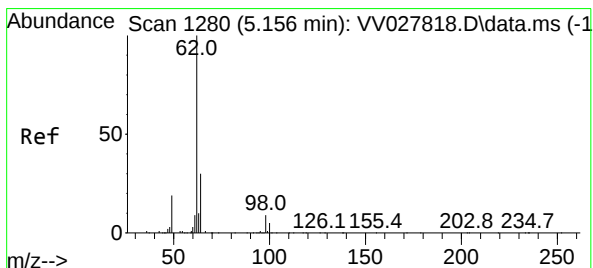
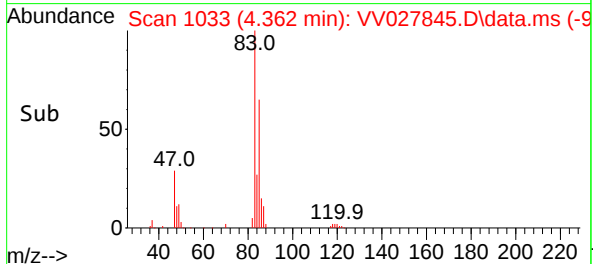
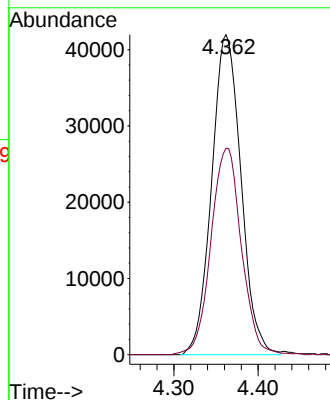
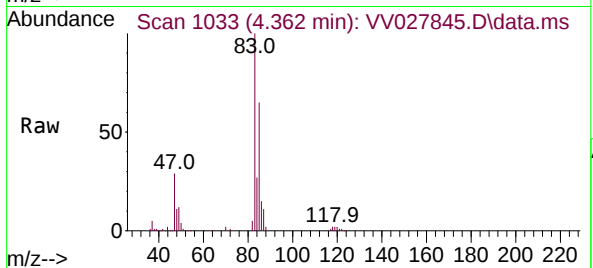
VSTD005290

Tgt Ion: 83 Resp: 101406

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.2



#27

1,2-Dichloroethane

Concen: 5.022 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. -0.006 min

Lab File: VV027845.D

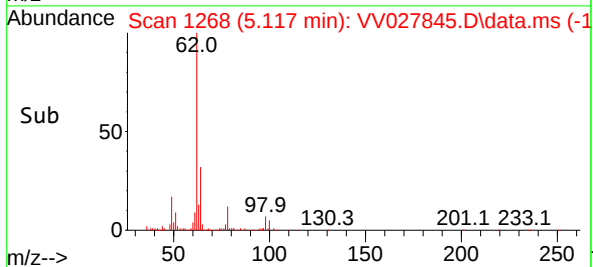
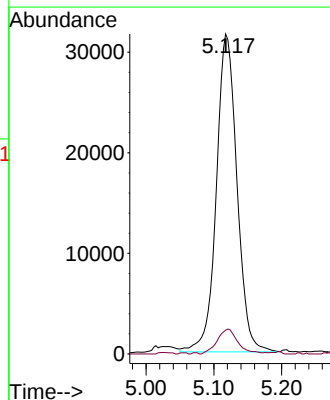
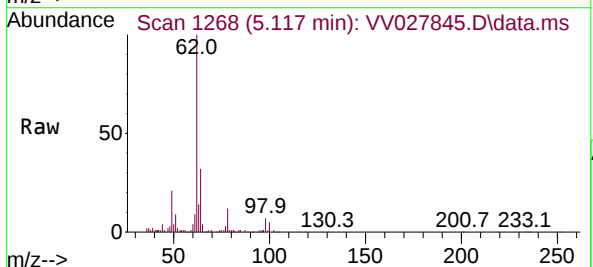
Acq: 15 Sep 2022 10:26

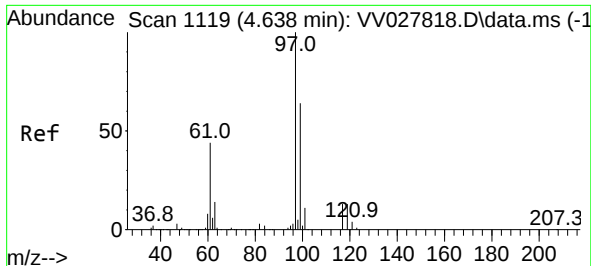
Tgt Ion: 62 Resp: 66912

Ion Ratio Lower Upper

62 100

98 7.4 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.242 ug/L

RT: 4.590 min Scan# 1119

Delta R.T. -0.013 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005290

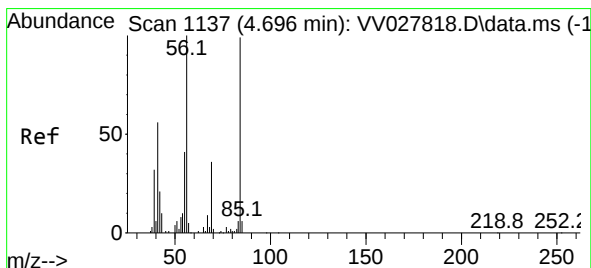
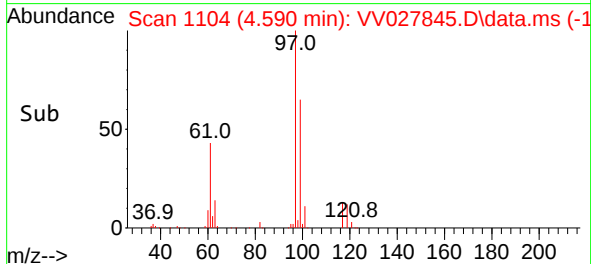
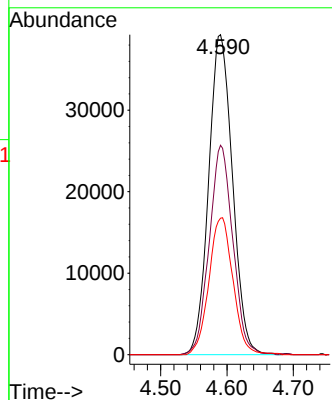
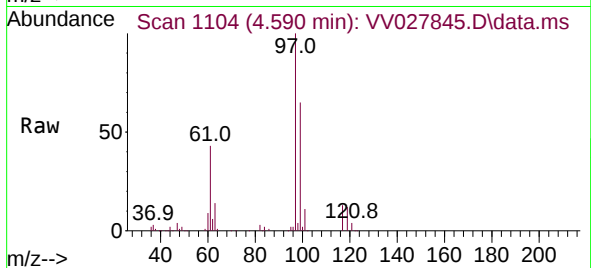
Tgt Ion: 97 Resp: 98081

Ion Ratio Lower Upper

97 100

99 64.8 50.8 76.2

61 43.3 36.2 54.4



#30

Cyclohexane

Concen: 4.514 ug/L

RT: 4.651 min Scan# 1123

Delta R.T. -0.023 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

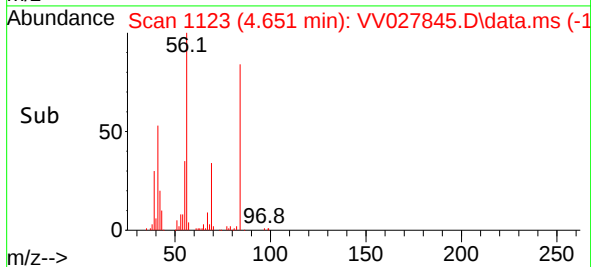
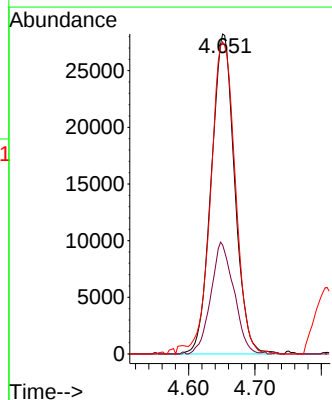
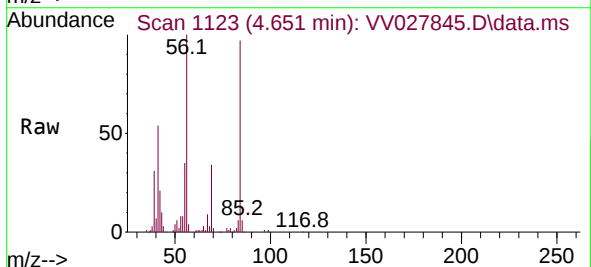
Tgt Ion: 56 Resp: 69402

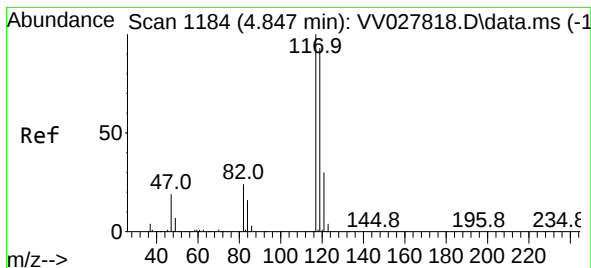
Ion Ratio Lower Upper

56 100

69 34.2 25.4 38.2

84 100.1 73.8 110.8





#31

Carbon tetrachloride

Concen: 5.458 ug/L

RT: 4.805 min Scan# 1171

Delta R.T. -0.016 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

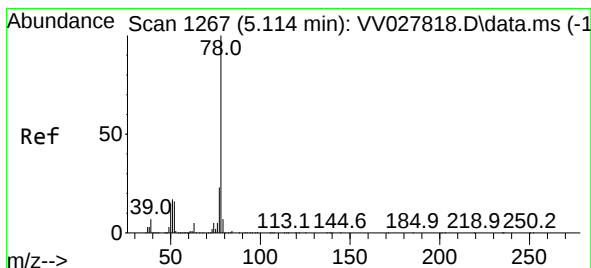
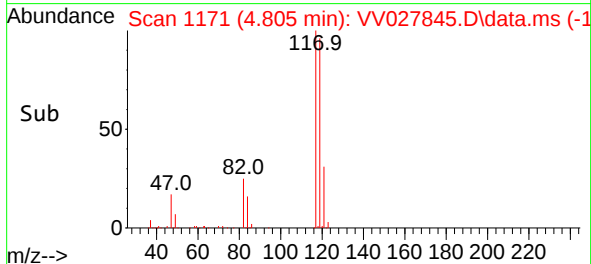
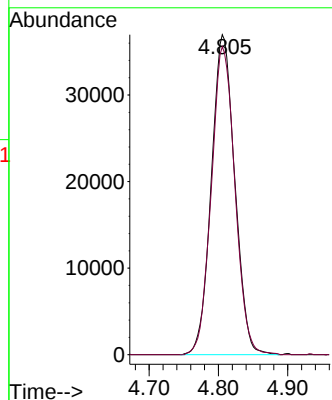
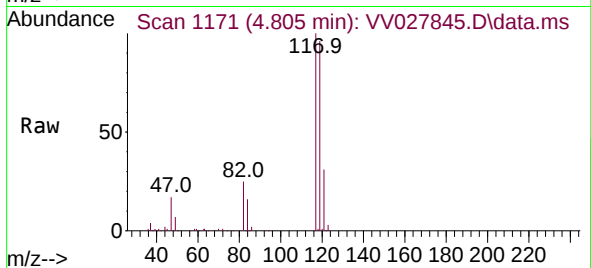
VSTD005290

Tgt Ion:117 Resp: 86765

Ion Ratio Lower Upper

117 100

119 97.0 75.8 113.8



#33

Benzene

Concen: 5.303 ug/L

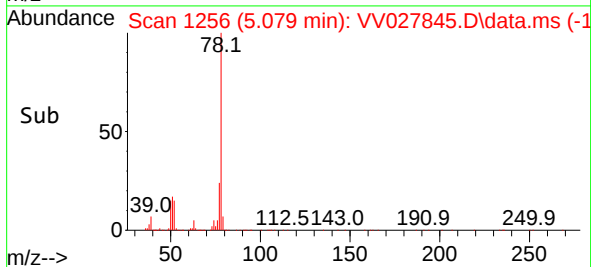
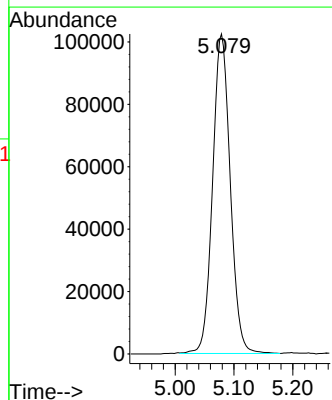
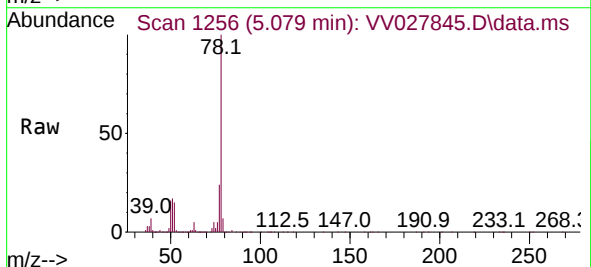
RT: 5.079 min Scan# 1256

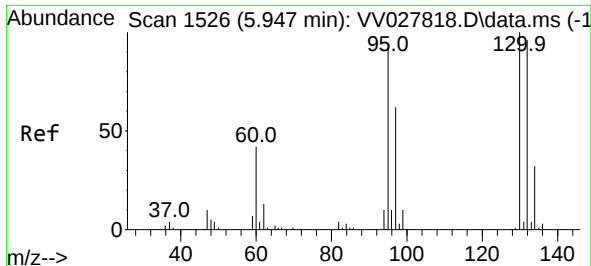
Delta R.T. -0.013 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Tgt Ion: 78 Resp: 213106



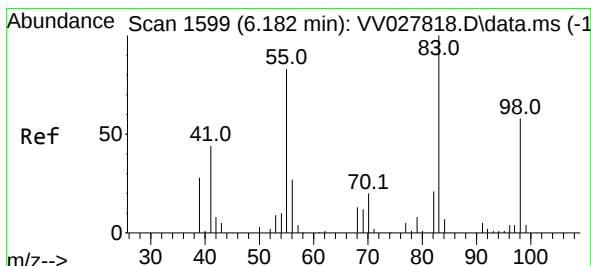
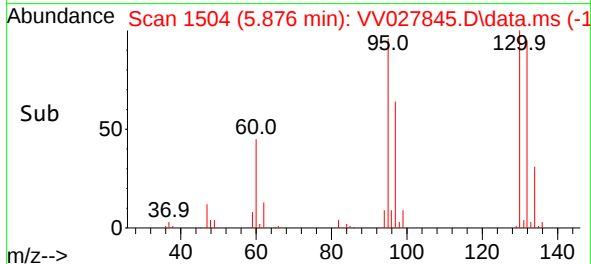
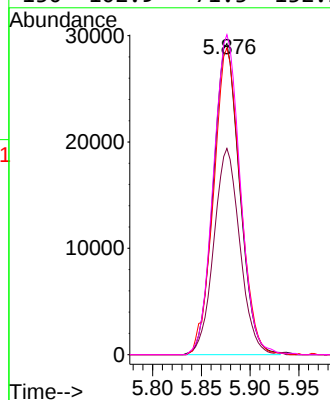
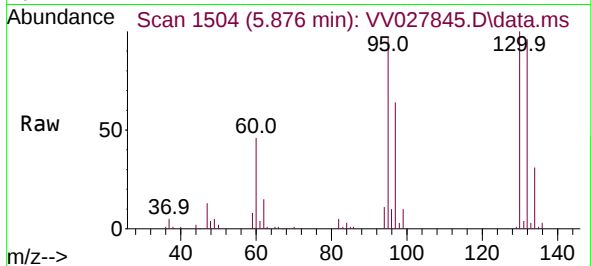


#34
Trichloroethene
Concen: 5.477 ug/L
RT: 5.876 min Scan# 11
Delta R.T. -0.032 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD005290

Tgt Ion: 95 Resp: 55078

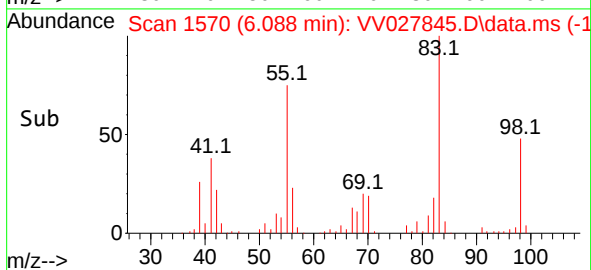
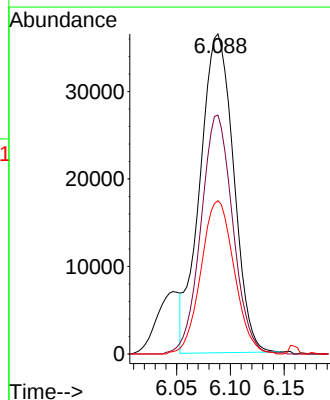
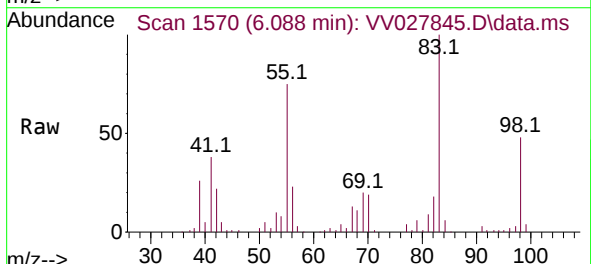
Ion	Ratio	Lower	Upper
95	100		
97	66.3	42.9	79.7
132	98.6	67.9	126.1
130	102.9	71.3	132.3

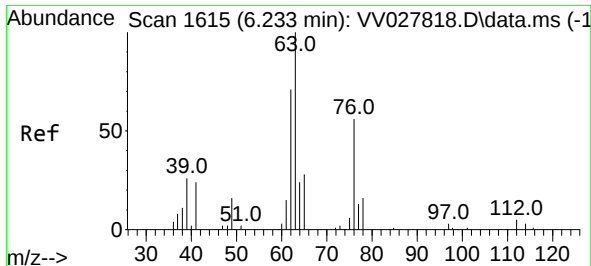


#35
Methylcyclohexane
Concen: 5.138 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.035 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion: 83 Resp: 79353

Ion	Ratio	Lower	Upper
83	100		
55	71.2	61.9	92.9
98	47.4	37.5	56.3





#37

1,2-Dichloropropane

Concen: 4.815 ug/L

RT: 6.149 min Scan# 11

Delta R.T. -0.016 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

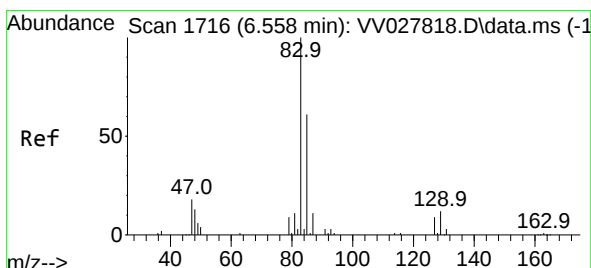
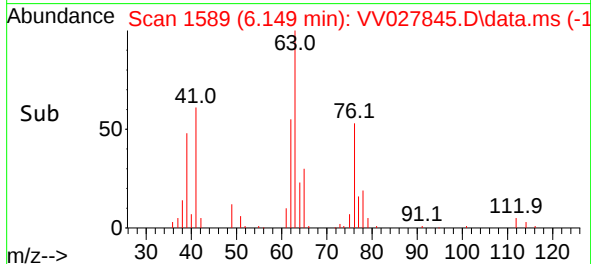
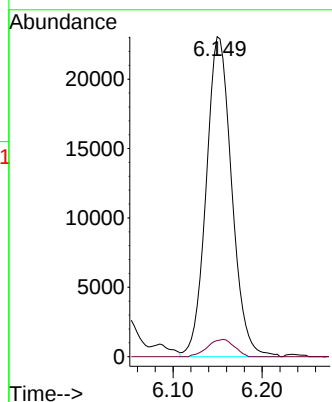
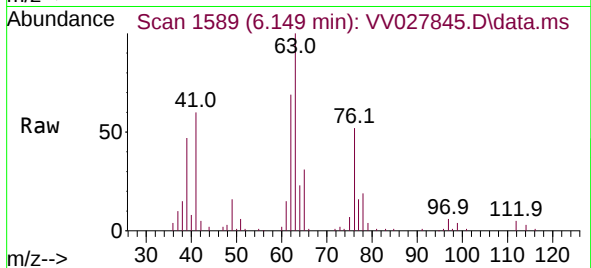
VSTD005290

Tgt Ion: 63 Resp: 45905

Ion Ratio Lower Upper

63 100

112 5.6 4.0 6.0



#38

Bromodichloromethane

Concen: 5.018 ug/L

RT: 6.516 min Scan# 1703

Delta R.T. 0.010 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

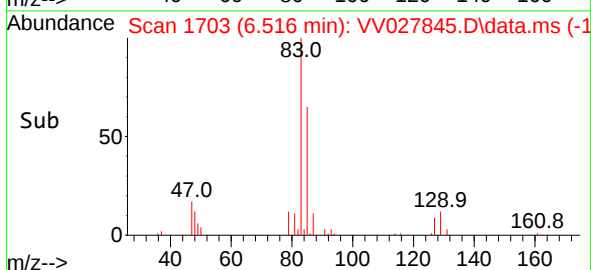
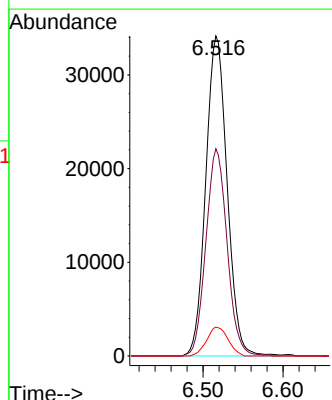
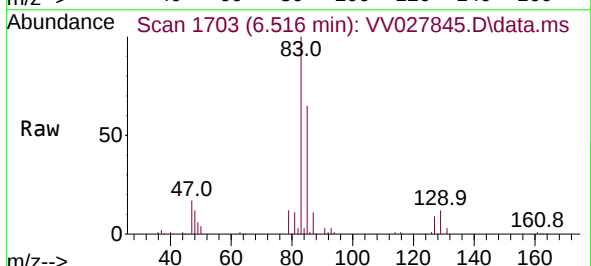
Tgt Ion: 83 Resp: 63433

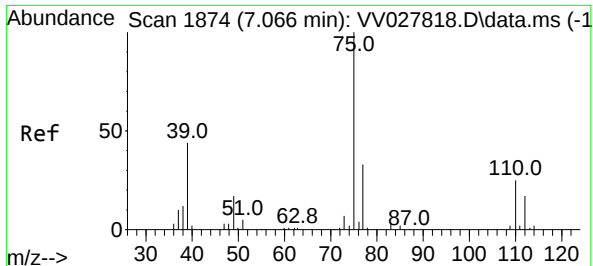
Ion Ratio Lower Upper

83 100

85 64.7 43.3 80.3

127 9.0 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.006 ug/L

RT: 7.030 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

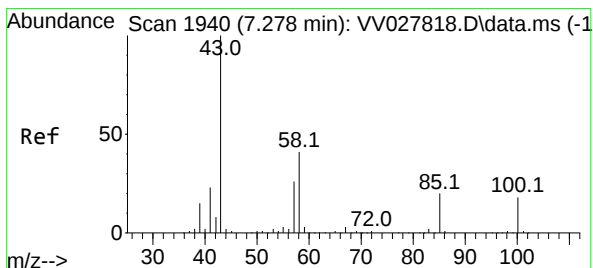
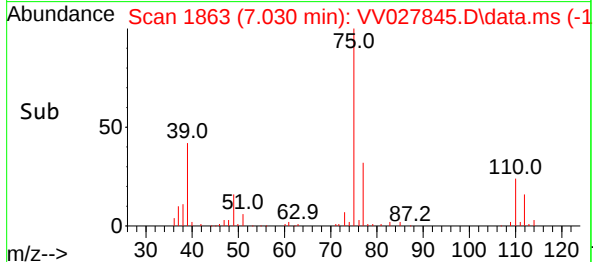
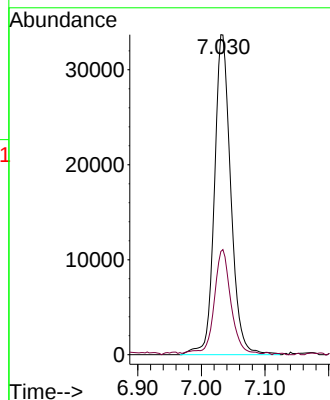
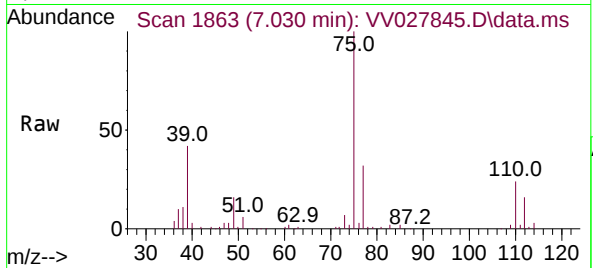
VSTD005290

Tgt Ion: 75 Resp: 60259

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 42.866 ug/L

RT: 7.256 min Scan# 1933

Delta R.T. 0.032 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

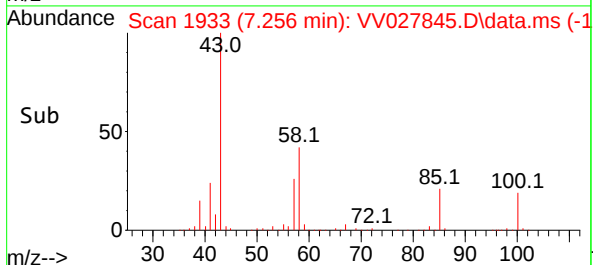
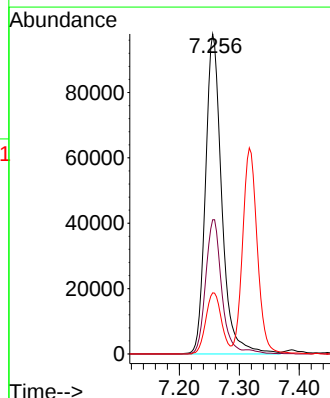
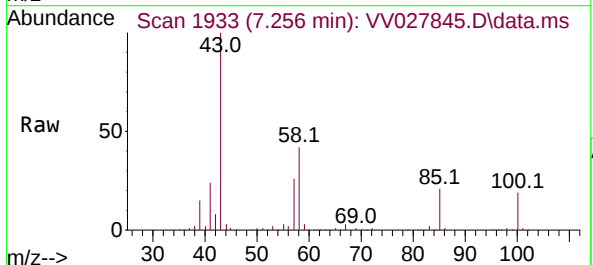
Tgt Ion: 43 Resp: 185236

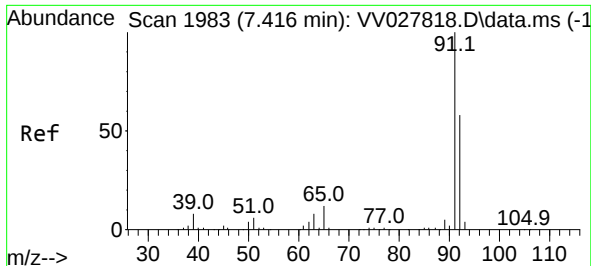
Ion Ratio Lower Upper

43 100

58 40.9 30.9 46.3

100 18.4 13.4 20.0





#42

Toluene

Concen: 5.508 ug/L

RT: 7.387 min Scan# 1983

Delta R.T. 0.003 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

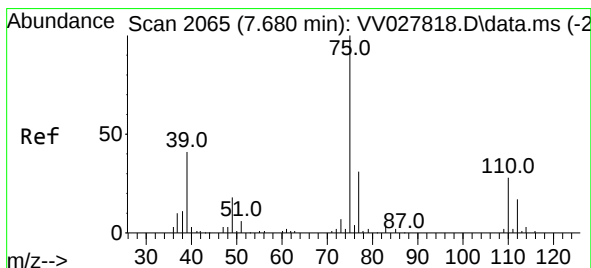
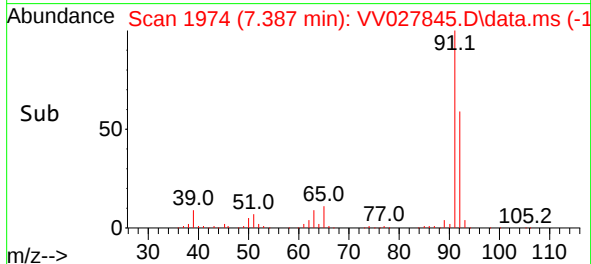
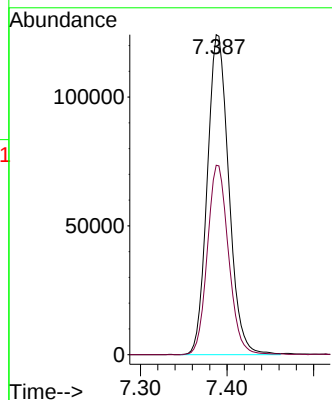
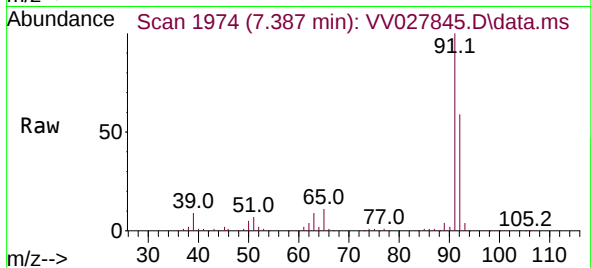
VSTD005290

Tgt Ion: 91 Resp: 214364

Ion Ratio Lower Upper

91 100

92 59.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.008 ug/L

RT: 7.657 min Scan# 2058

Delta R.T. 0.010 min

Lab File: VV027845.D

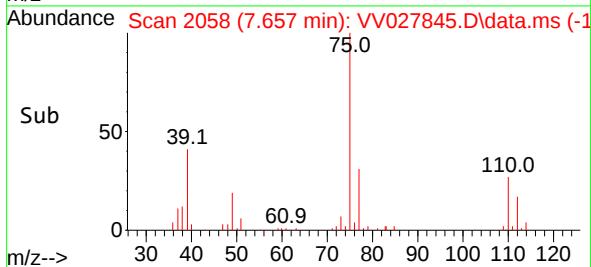
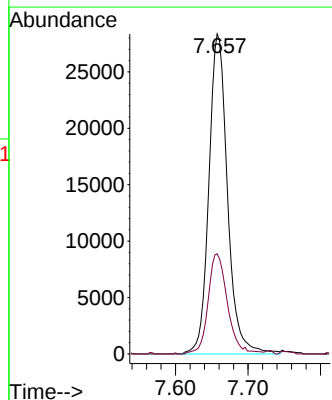
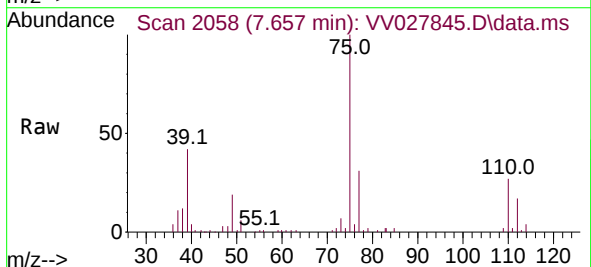
Acq: 15 Sep 2022 10:26

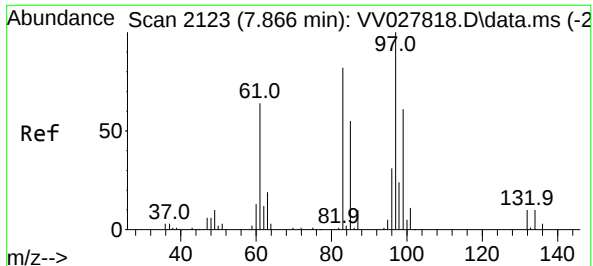
Tgt Ion: 75 Resp: 50594

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 5.301 ug/L

RT: 7.847 min Scan# 2117

Delta R.T. 0.013 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005290

Tgt Ion: 97 Resp: 32747

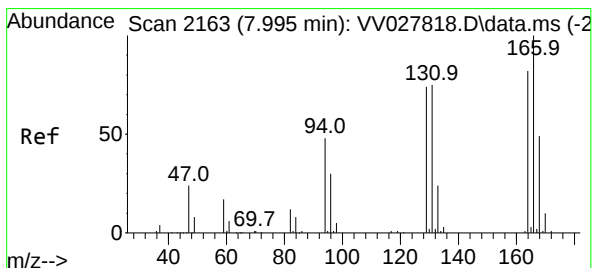
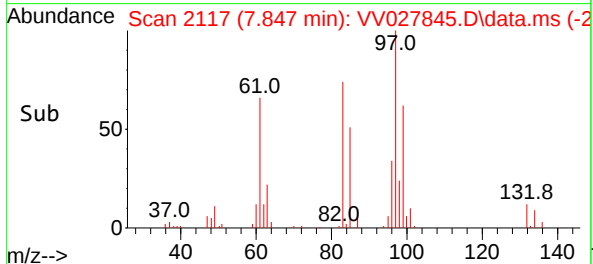
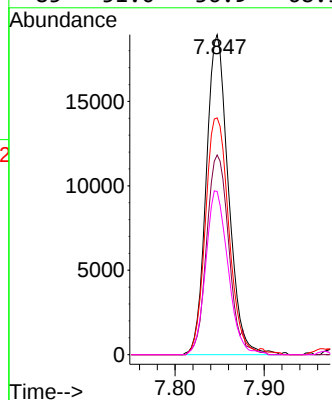
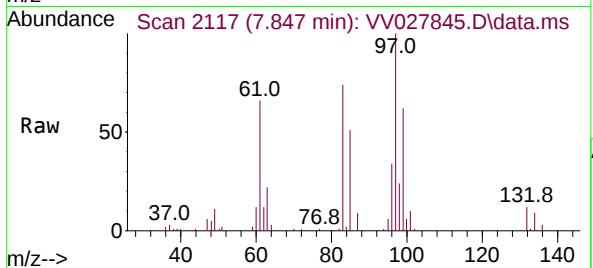
Ion Ratio Lower Upper

97 100

99 62.4 44.2 82.0

83 74.0 60.3 112.1

85 51.0 36.9 68.5



#47

Tetrachloroethene

Concen: 5.338 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Tgt Ion: 164 Resp: 43079

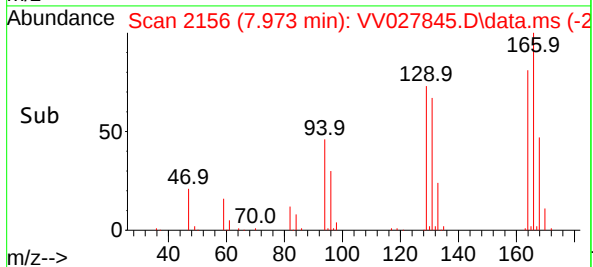
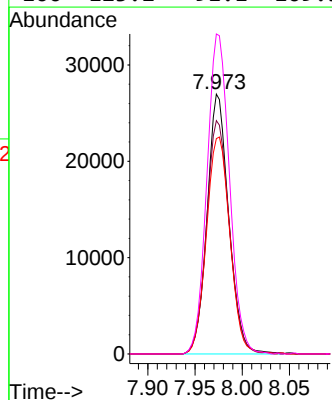
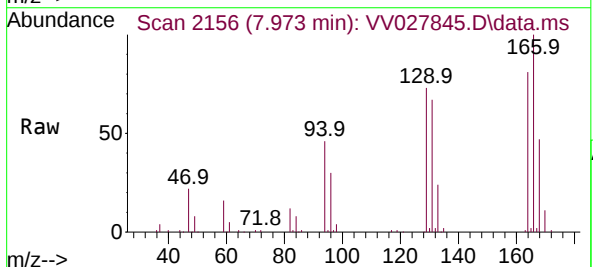
Ion Ratio Lower Upper

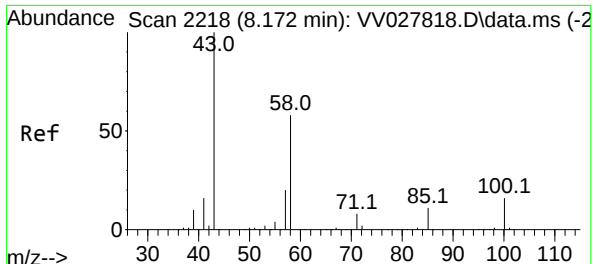
164 100

129 89.8 67.2 124.8

131 82.9 61.5 114.3

166 123.2 91.1 169.3

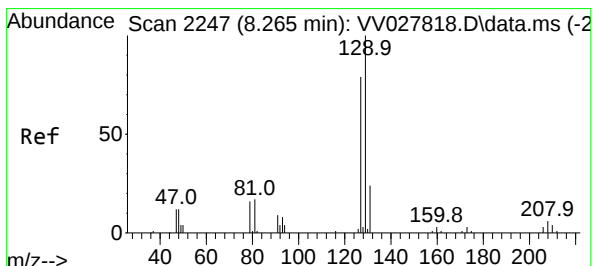
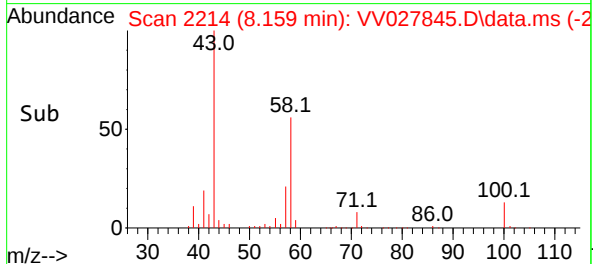
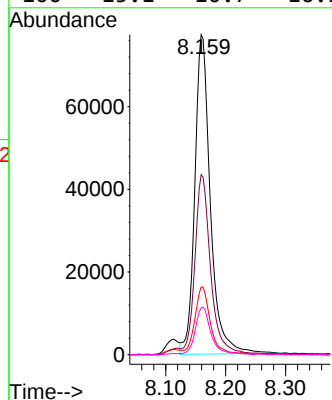
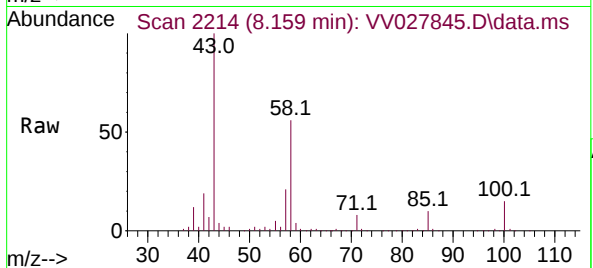




#48
2-Hexanone
Concen: 44.544 ug/L
RT: 8.159 min Scan# 211
Delta R.T. 0.019 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

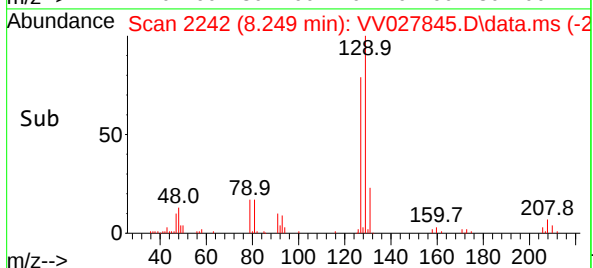
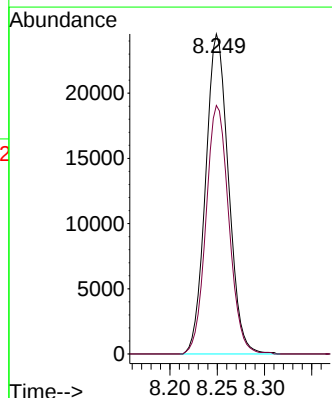
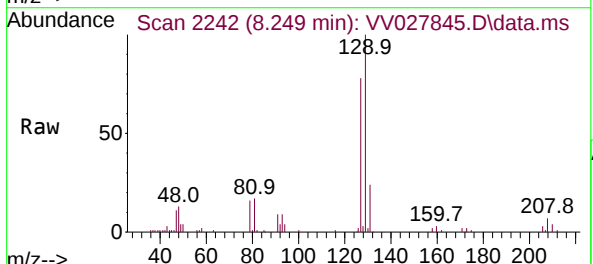
Instrument :
MSVOA_V
ClientSampleId :
VSTD005290

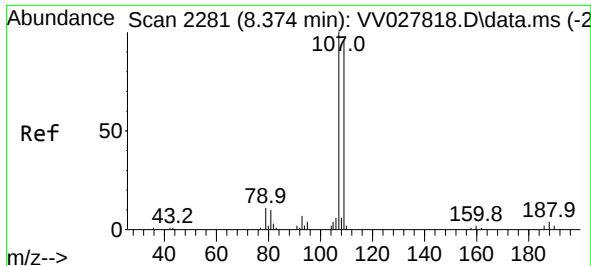
Tgt Ion:	43	Resp:	139939
Ion	Ratio	Lower	Upper
43	100		
58	55.5	43.2	64.8
57	20.3	15.6	23.4
100	15.1	10.7	16.1



#49
Dibromochloromethane
Concen: 5.263 ug/L
RT: 8.249 min Scan# 2242
Delta R.T. 0.006 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion:	129	Resp:	41277
Ion	Ratio	Lower	Upper
129	100		
127	77.7	55.2	102.6





#50

1,2-Dibromoethane

Concen: 5.083 ug/L

RT: 8.358 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

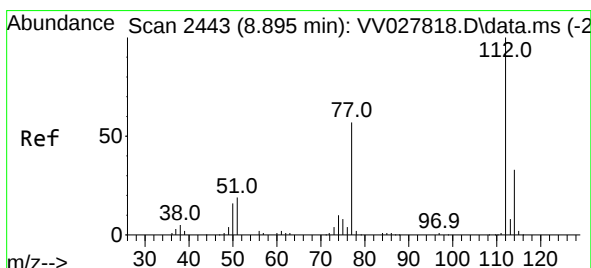
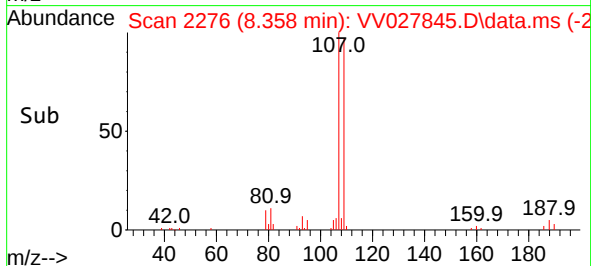
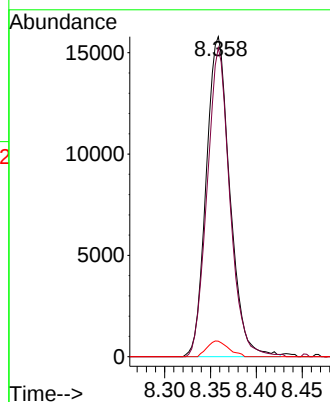
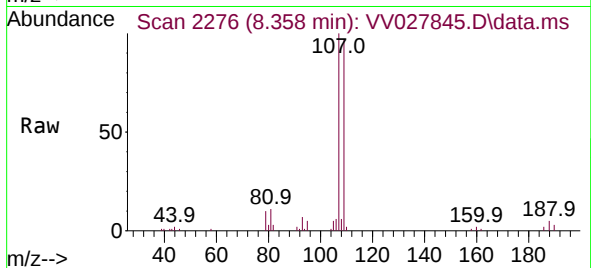
Instrument :

MSVOA_V

ClientSampleId :

VSTD005290

Tgt Ion:	107	Resp:	28395
Ion	Ratio	Lower	Upper
107	100		
109	96.6	65.9	122.5
188	4.8	3.1	4.7#



#51

Chlorobenzene

Concen: 5.348 ug/L

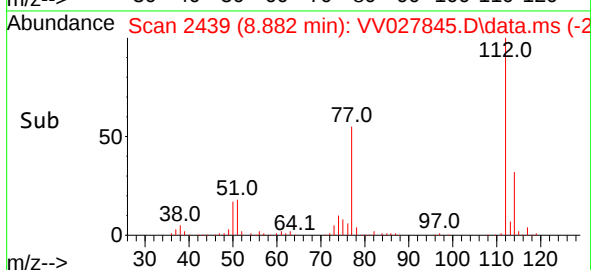
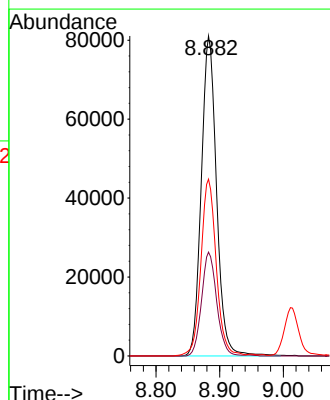
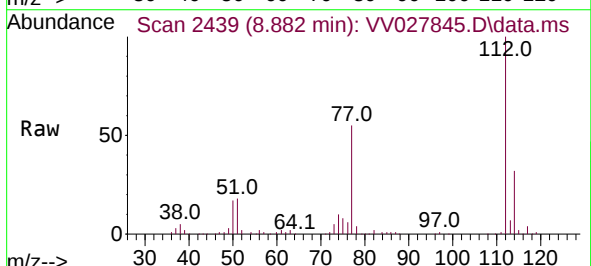
RT: 8.882 min Scan# 2439

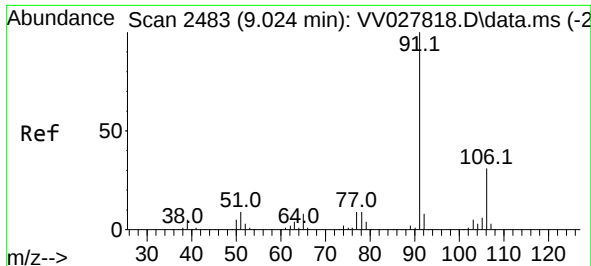
Delta R.T. 0.006 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Tgt Ion:	112	Resp:	135066
Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.7	40.3
77	55.2	45.3	67.9





#52

Ethylbenzene

Concen: 5.261 ug/L

RT: 9.011 min Scan# 2483

Delta R.T. 0.003 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

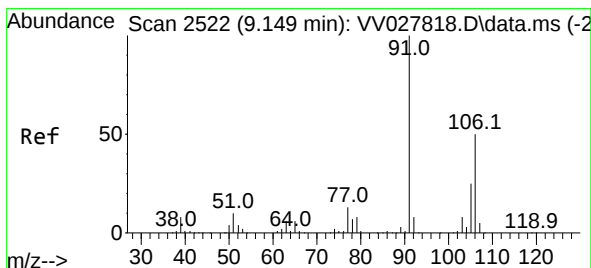
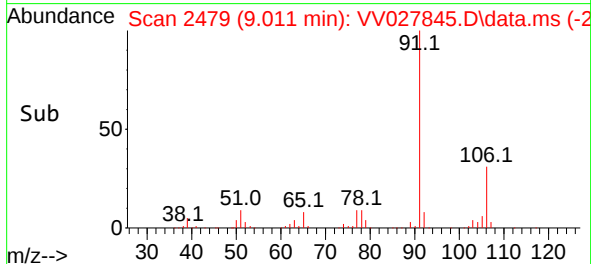
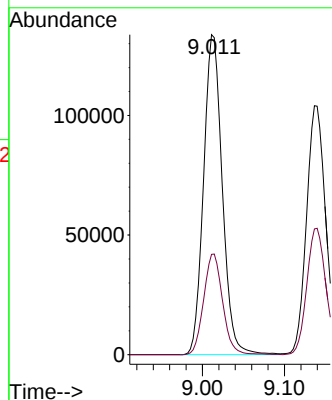
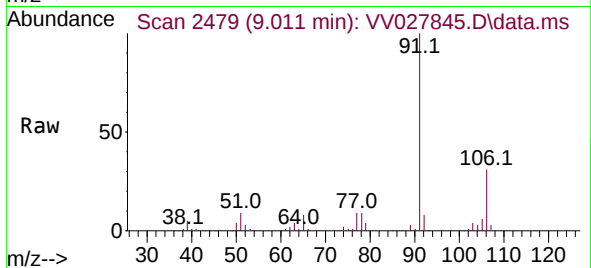
VSTD005290

Tgt Ion: 91 Resp: 212333

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 5.514 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.006 min

Lab File: VV027845.D

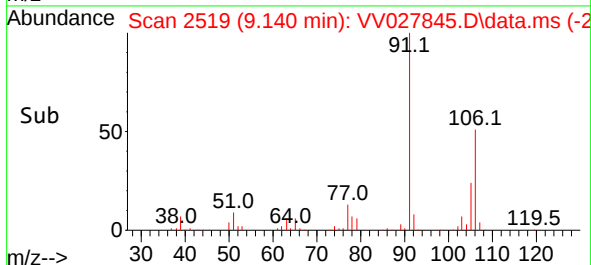
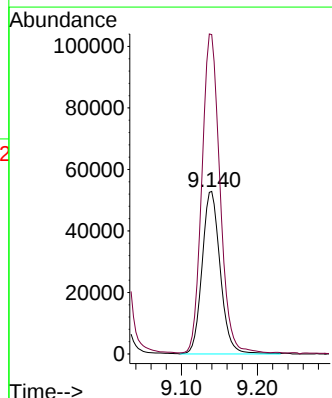
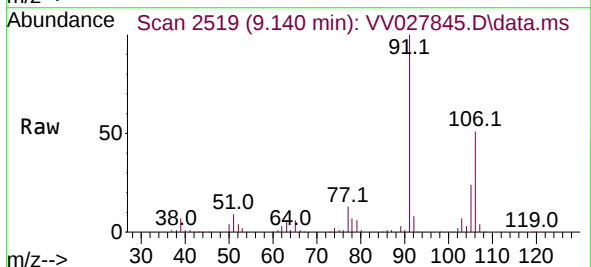
Acq: 15 Sep 2022 10:26

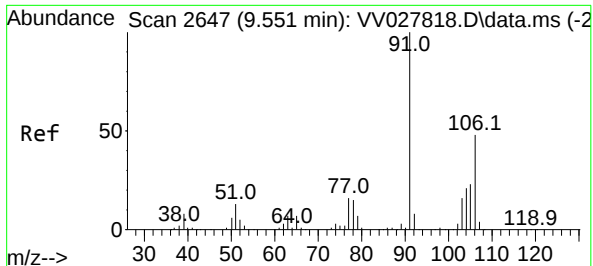
Tgt Ion: 106 Resp: 87536

Ion Ratio Lower Upper

106 100

91 196.5 142.4 264.4

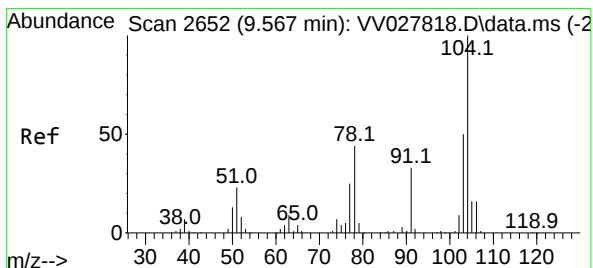
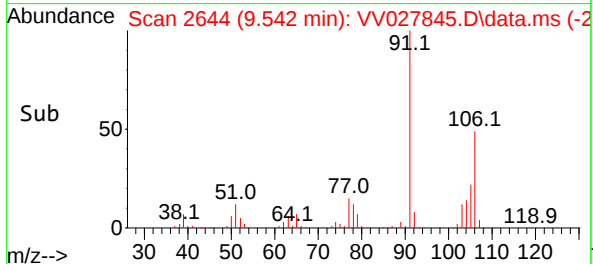
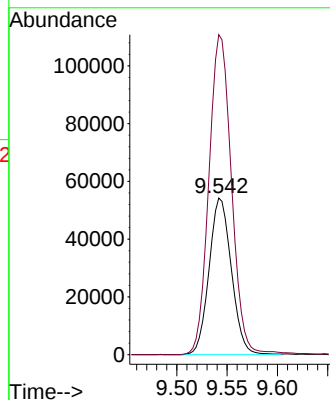
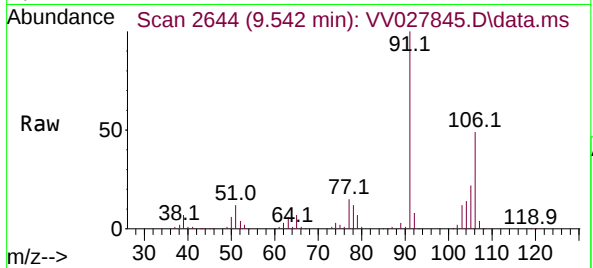




#54
o-Xylene
Concen: 5.530 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

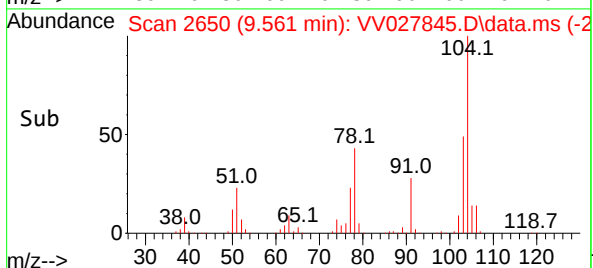
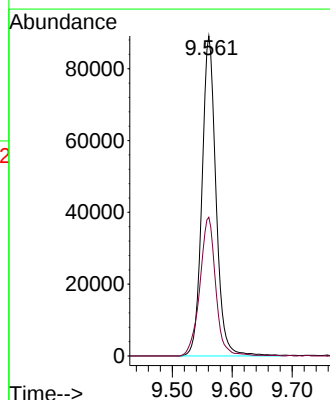
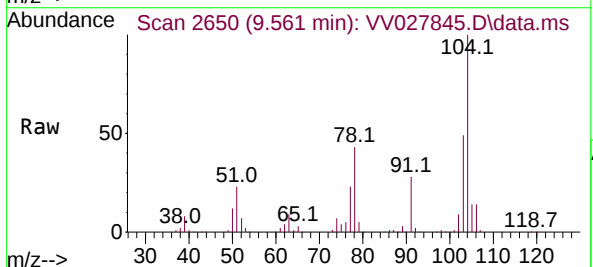
Instrument :
MSVOA_V
ClientSampleId :
VSTD005290

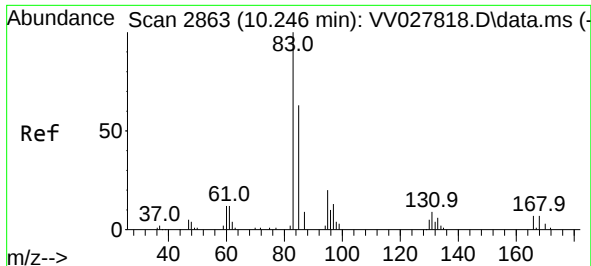
Tgt Ion:106 Resp: 83694
Ion Ratio Lower Upper
106 100
91 204.2 147.5 273.9



#55
Styrene
Concen: 5.563 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion:104 Resp: 145572
Ion Ratio Lower Upper
104 100
78 43.3 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 4.678 ug/L

RT: 10.243 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005290

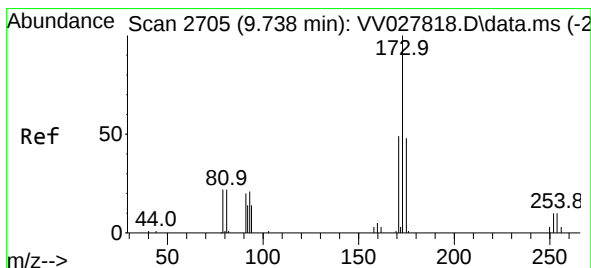
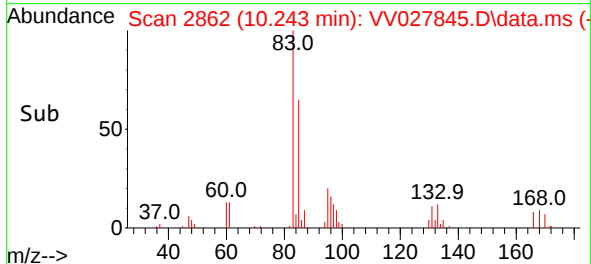
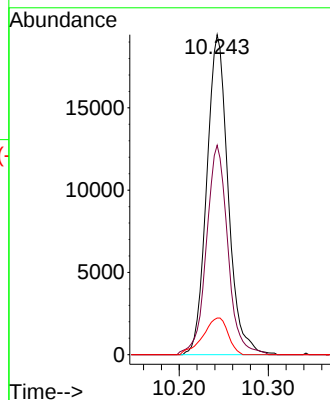
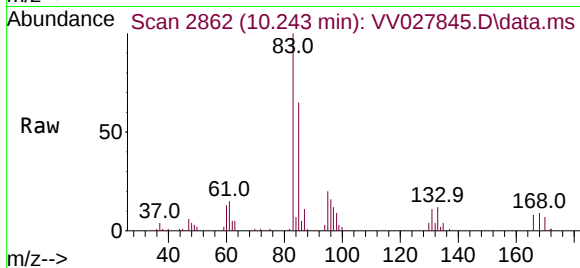
Tgt Ion: 83 Resp: 32385

Ion Ratio Lower Upper

83 100

85 65.5 44.7 83.1

131 11.5 8.5 12.7



#59

Bromoform

Concen: 5.065 ug/L

RT: 9.735 min Scan# 2704

Delta R.T. 0.006 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

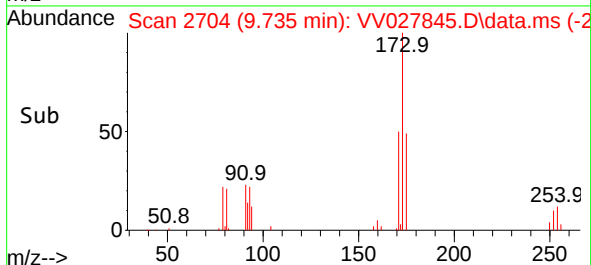
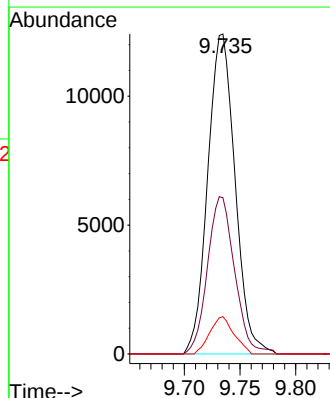
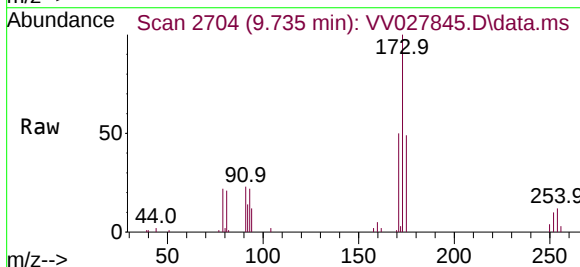
Tgt Ion: 173 Resp: 21183

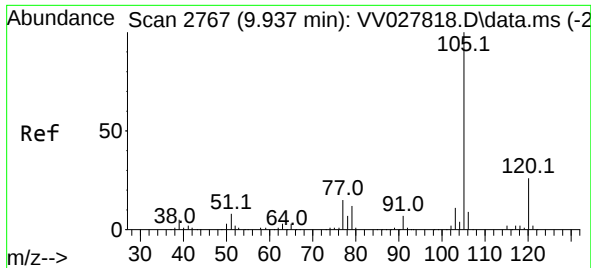
Ion Ratio Lower Upper

173 100

175 48.8 38.4 57.6

254 10.3 6.8 10.2#

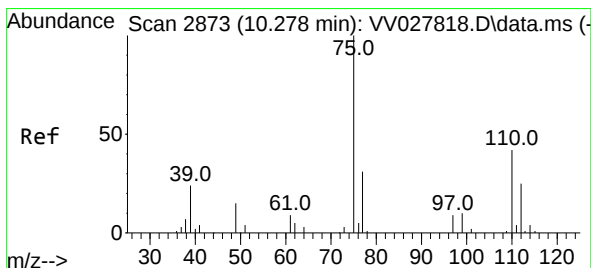
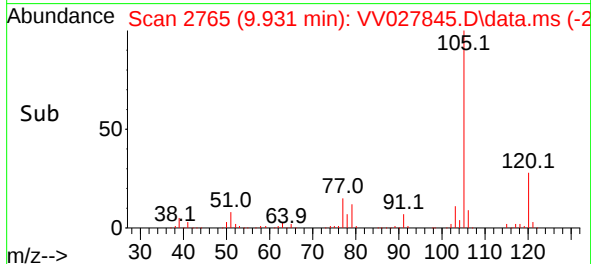
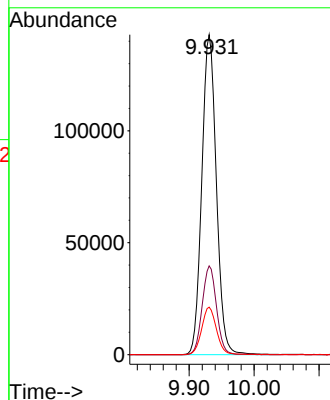
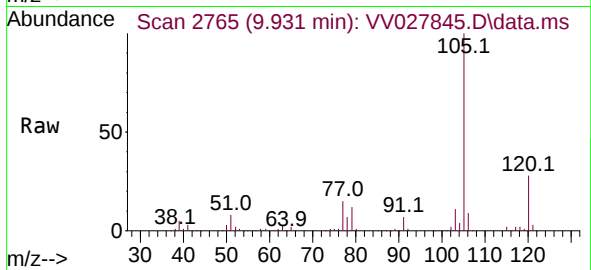




#60
Isopropylbenzene
Concen: 5.165 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

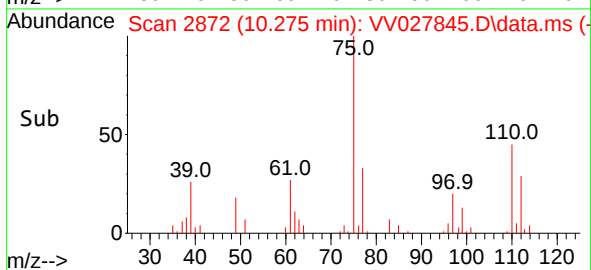
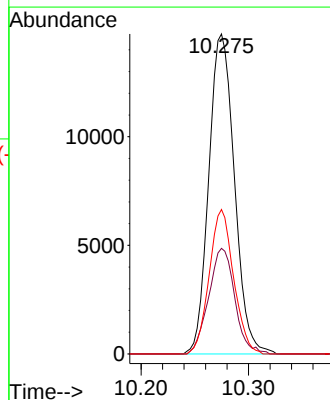
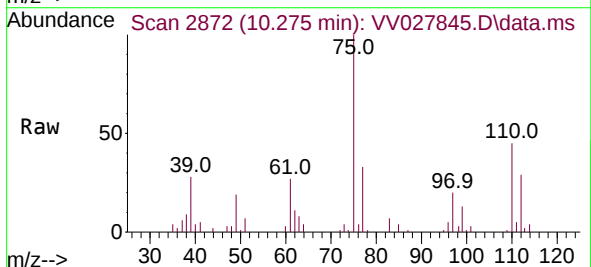
Instrument :
MSVOA_V
ClientSampleId :
VSTD005290

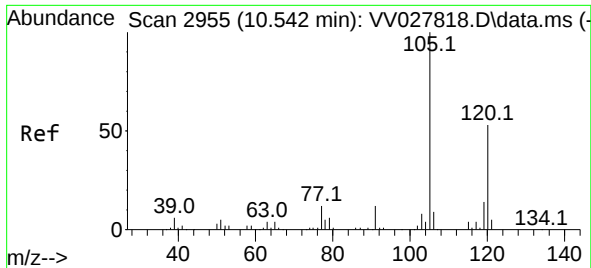
Tgt Ion:105 Resp: 223279
Ion Ratio Lower Upper
105 100
120 27.1 21.3 31.9
77 15.1 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 4.456 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.006 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion: 75 Resp: 24381
Ion Ratio Lower Upper
75 100
77 33.5 27.6 41.4
110 43.0 35.6 53.4

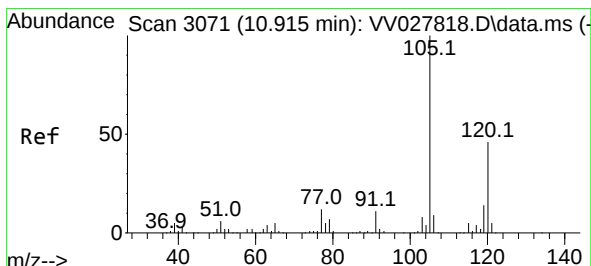
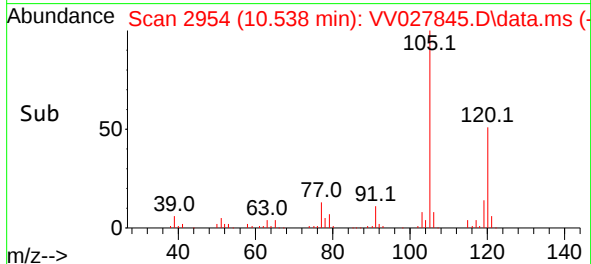
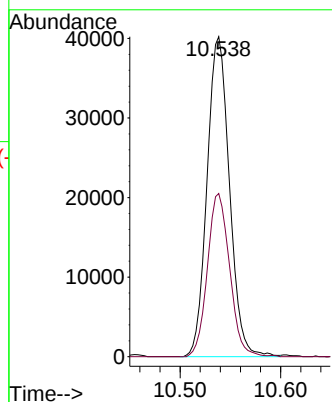
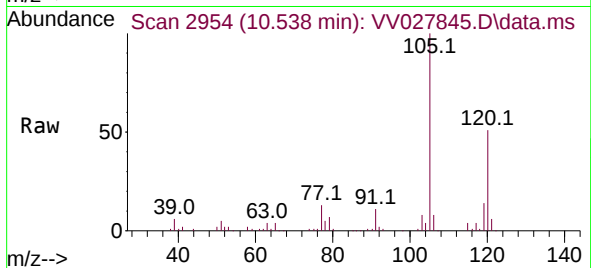




#62
 1,3,5-Trimethylbenzene
 Concen: 5.123 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.003 min
 Lab File: VV027845.D
 Acq: 15 Sep 2022 10:26

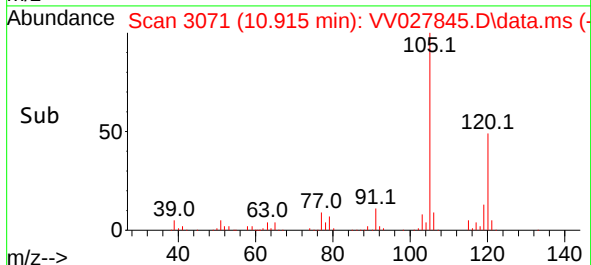
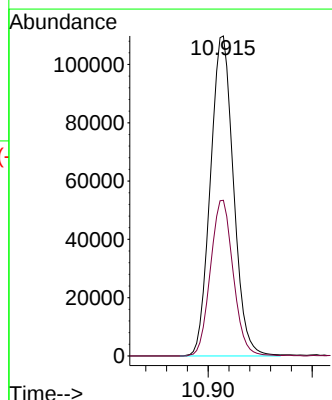
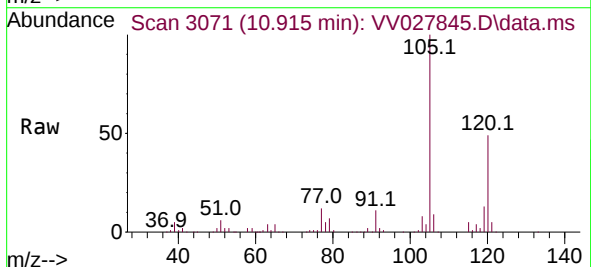
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005290

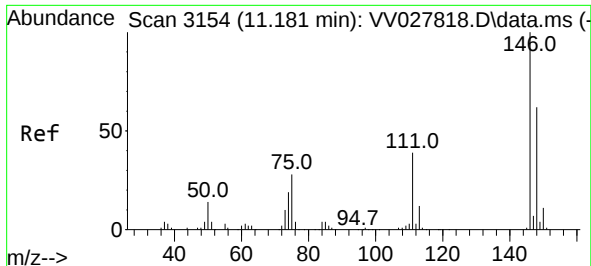
Tgt Ion:105 Resp: 62375
 Ion Ratio Lower Upper
 105 100
 120 50.6 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.895 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.003 min
 Lab File: VV027845.D
 Acq: 15 Sep 2022 10:26

Tgt Ion:105 Resp: 169406
 Ion Ratio Lower Upper
 105 100
 120 47.9 37.4 56.0

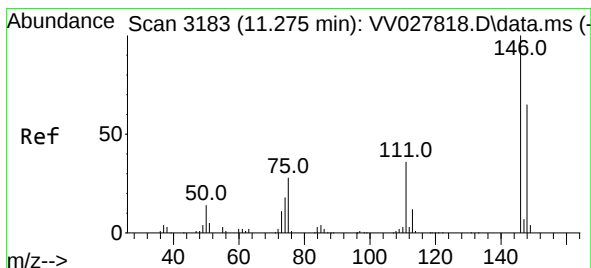
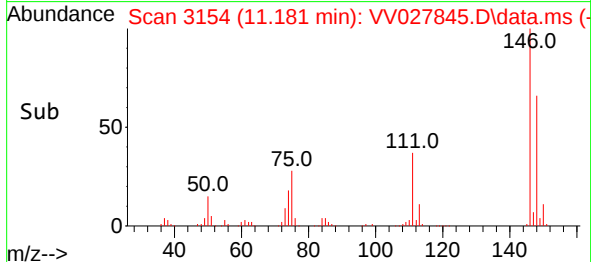
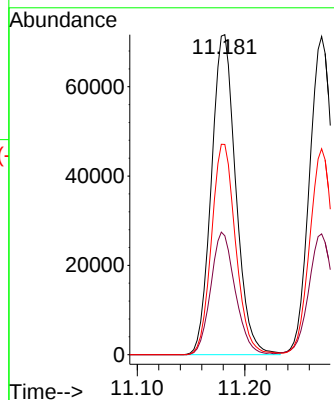
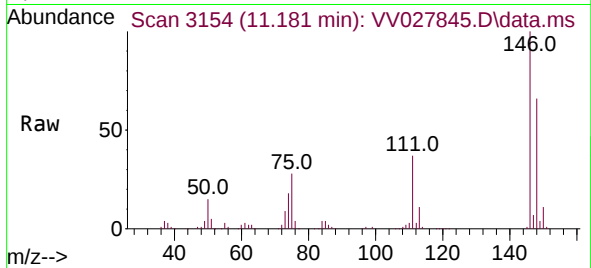




#64
1,3-Dichlorobenzene
Concen: 5.166 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

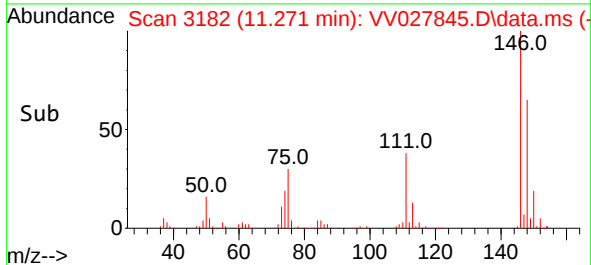
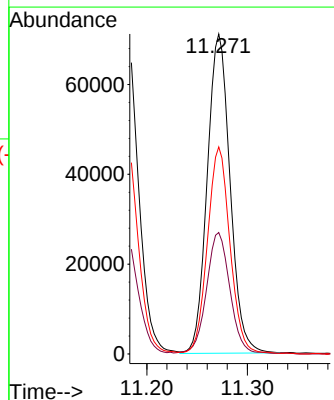
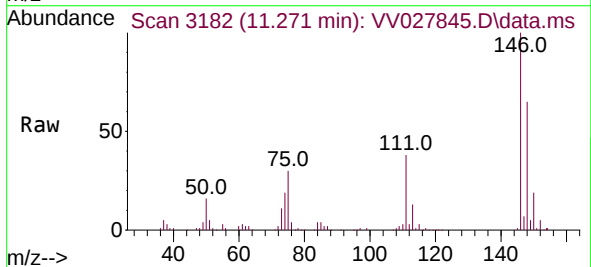
Instrument :
MSVOA_V
ClientSampleId :
VSTD005290

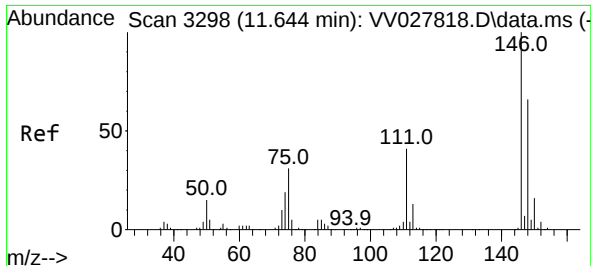
Tgt Ion:146 Resp: 113077
Ion Ratio Lower Upper
146 100
111 37.2 27.9 51.9
148 65.7 46.0 85.4



#65
1,4-Dichlorobenzene
Concen: 5.075 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion:146 Resp: 111943
Ion Ratio Lower Upper
146 100
111 38.0 26.5 49.3
148 64.7 42.8 79.4

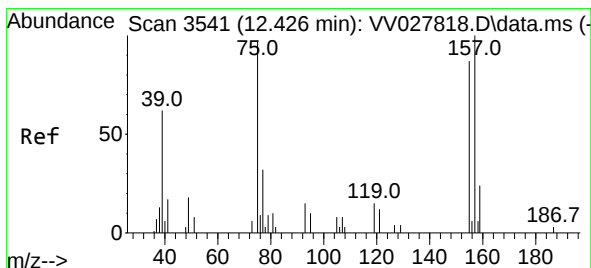
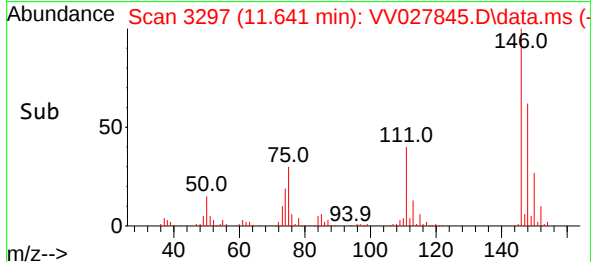
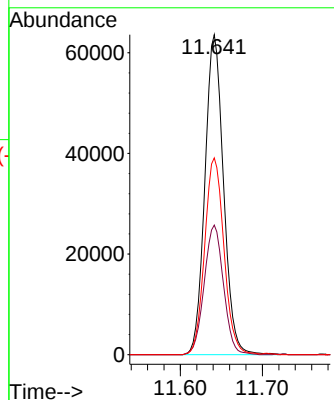
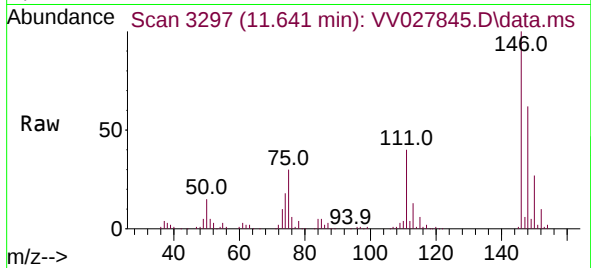




#67
1,2-Dichlorobenzene
Concen: 5.047 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

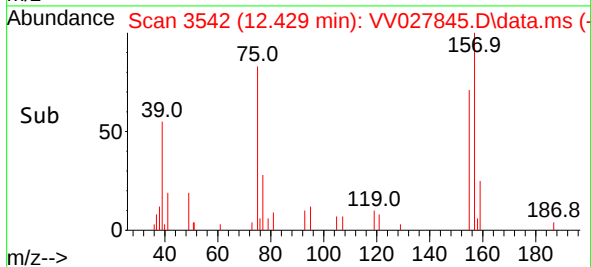
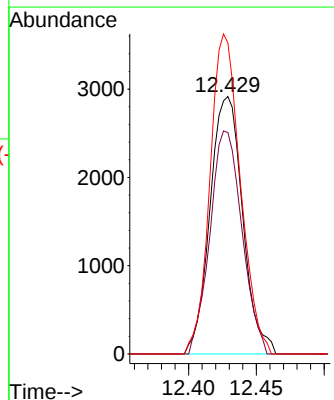
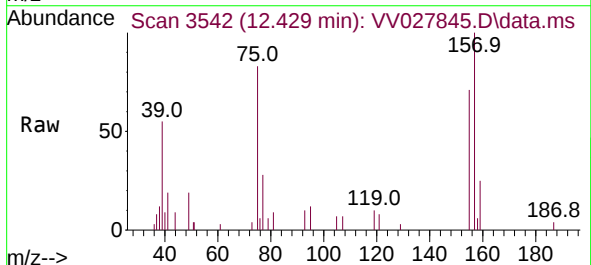
Instrument :
MSVOA_V
ClientSampleId :
VSTD005290

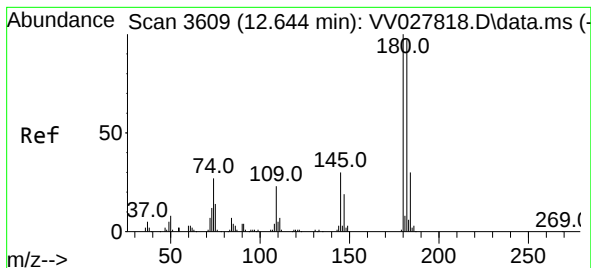
Tgt Ion:146 Resp: 100322
Ion Ratio Lower Upper
146 100
111 40.5 33.1 49.7
148 61.5 49.8 74.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.156 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV027845.D
Acq: 15 Sep 2022 10:26

Tgt Ion: 75 Resp: 4881
Ion Ratio Lower Upper
75 100
155 86.0 71.9 107.9
157 120.8 95.1 142.7





#69

1,3,5-Trichlorobenzene

Concen: 5.117 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005290

Tgt Ion:180 Resp: 84851

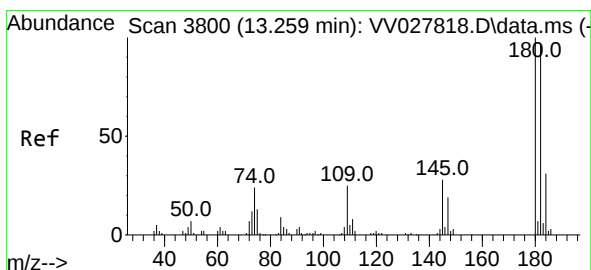
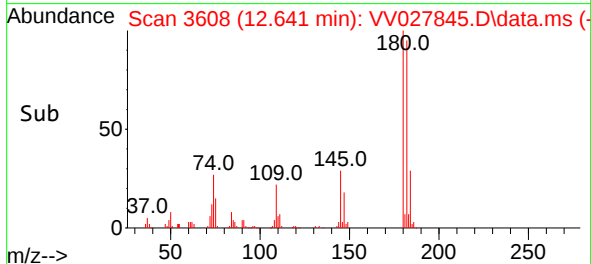
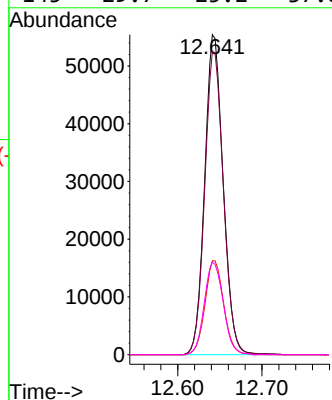
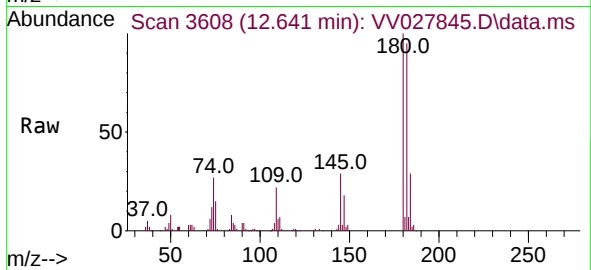
Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.8

184 29.6 23.8 35.6

145 29.7 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.718 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

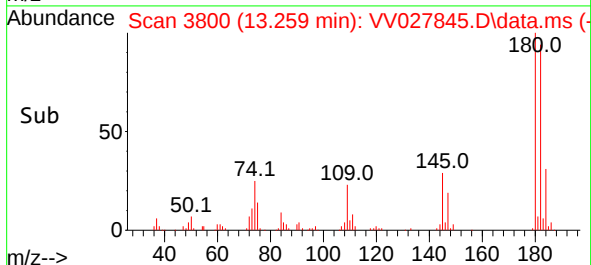
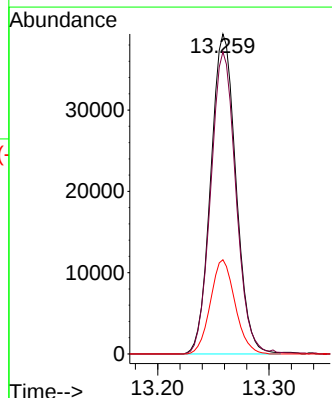
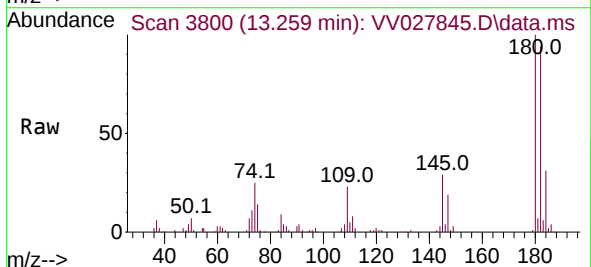
Tgt Ion:180 Resp: 61865

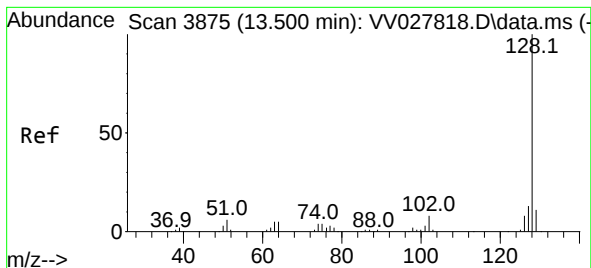
Ion Ratio Lower Upper

180 100

182 94.5 76.6 114.8

145 28.8 24.6 37.0





#71

Naphthalene

Concen: 3.895 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD005290

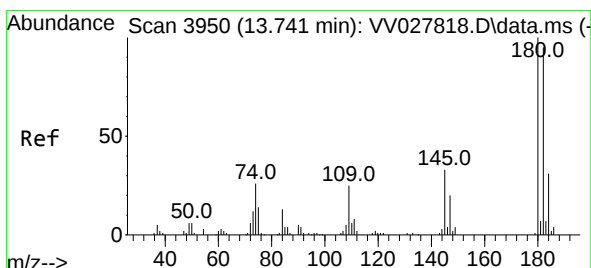
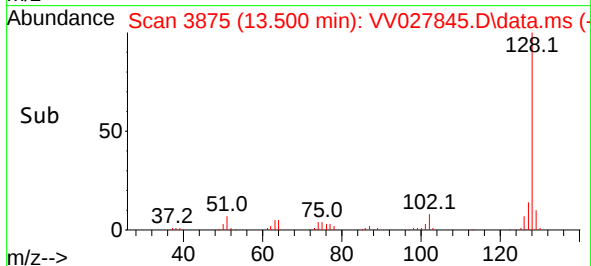
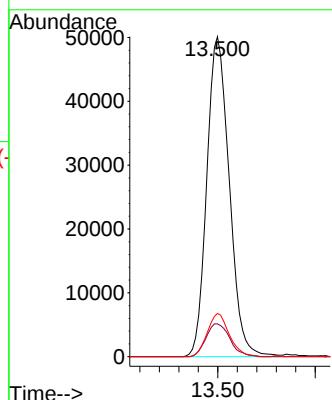
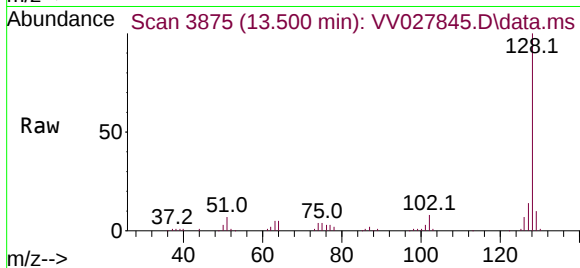
Tgt Ion:128 Resp: 80217

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

127 13.2 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.611 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV027845.D

Acq: 15 Sep 2022 10:26

Tgt Ion:180 Resp: 53861

Ion Ratio Lower Upper

180 100

182 95.8 76.5 114.7

145 33.0 26.5 39.7

