

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081722\
 Data File : VV027414.D
 Acq On : 17 Aug 2022 09:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

Quant Time: Aug 18 01:36:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 16 00:24:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	126944	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	136002	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	74849	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	37740	3.422	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	68.400%	
7) Chloroethane-d5	1.561	69	32703	4.083	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	81.600%	
11) 1,1-Dichloroethene-d2	2.101	63	95355	4.767	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	95.400%	
20) 2-Butanone-d5	3.883	46	93535	50.077	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.160%	
24) Chloroform-d	4.339	84	101544	5.020	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.400%	
26) 1,2-Dichloroethane-d4	5.024	65	50740	5.266	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.400%	
32) Benzene-d6	5.040	84	175197	4.367	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.400%	
36) 1,2-Dichloropropane-d6	6.063	67	58182	4.690	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.800%	
41) Toluene-d8	7.310	98	167573	4.562	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.200%	
43) trans-1,3-Dichloroprop...	7.619	79	21822	5.079	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	101.600%	
46) 2-Hexanone-d5	8.085	63	95837	57.634	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	115.260%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	48586	5.414	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	108.200%	
66) 1,2-Dichlorobenzene-d4	11.622	152	61863	4.789	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	95.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.124	85	82137	5.445	ug/L	99
3) Chloromethane	1.233	50	64791	4.294	ug/L	99
5) Vinyl chloride	1.304	62	66446	4.721	ug/L	100
6) Bromomethane	1.513	94	27213	4.141	ug/L	99
8) Chloroethane	1.577	64	39637	5.065	ug/L	99
9) Trichlorofluoromethane	1.744	101	104350	5.553	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	61554	6.975	ug/L	94
12) 1,1-Dichloroethene	2.108	96	54497	5.961	ug/L	92
13) Acetone	2.169	43	52225	37.836	ug/L	95
14) Carbon disulfide	2.285	76	158749	4.337	ug/L	98
15) Methyl Acetate	2.429	43	16817	5.004	ug/L	97
16) Methylene chloride	2.497	84	67514	4.599	ug/L	99
17) Methyl tert-butyl Ether	2.760	73	105266	4.933	ug/L	98
18) trans-1,2-Dichloroethene	2.751	96	56288	5.006	ug/L	98
19) 1,1-Dichloroethane	3.178	63	115269	5.355	ug/L	99
21) 2-Butanone	3.966	43	84143	44.771	ug/L	92
22) cis-1,2-Dichloroethene	3.899	96	55914	5.057	ug/L	99
23) Bromochloromethane	4.240	128	27041	5.232	ug/L	96
25) Chloroform	4.362	83	125499	5.674	ug/L	99

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 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

Quant Time: Aug 18 01:36:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Aug 16 00:24:20 2022
 Response via : Initial Calibration

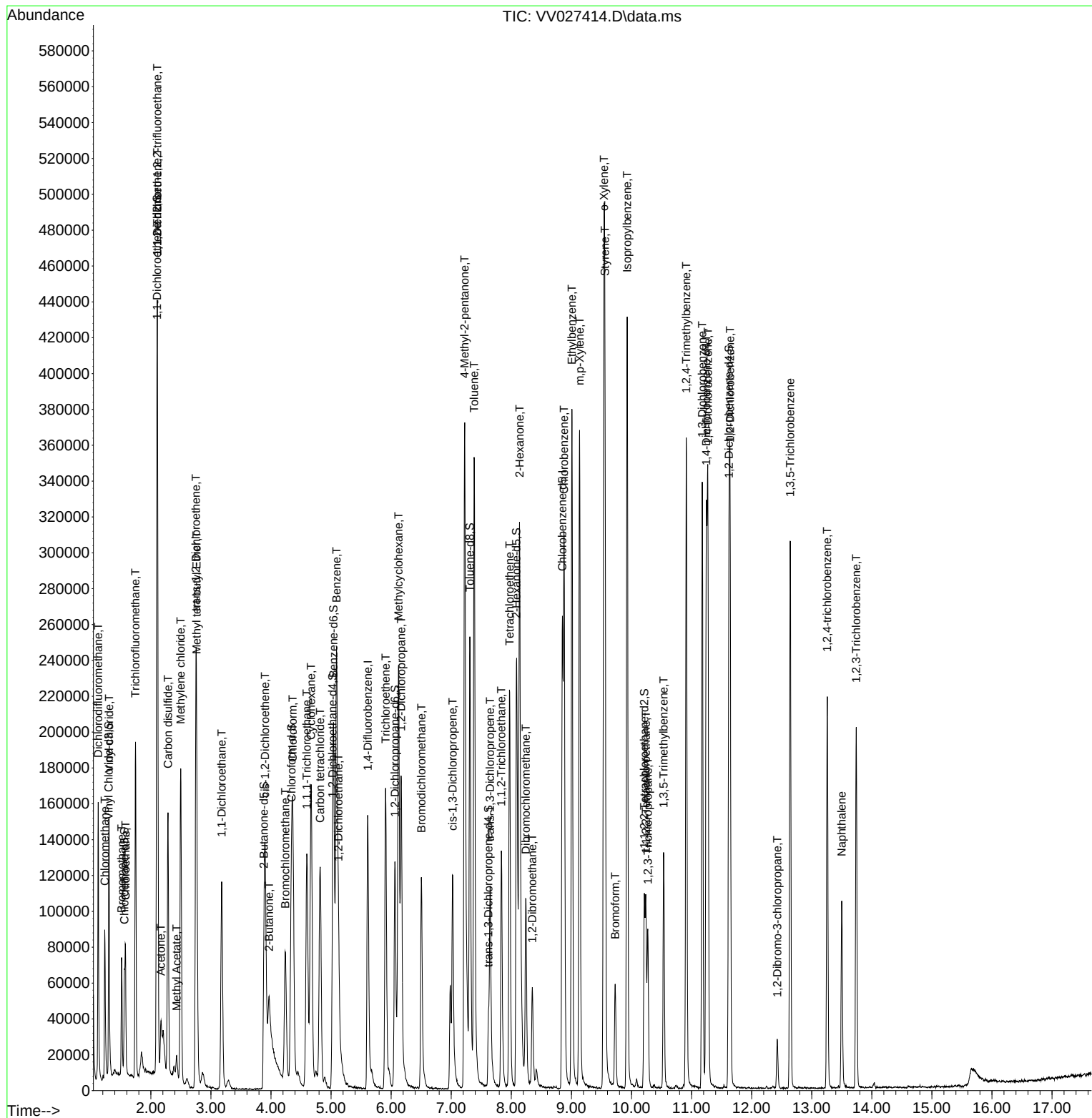
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	62931	4.978	ug/L	98
29) 1,1,1-Trichloroethane	4.596	97	103620	5.414	ug/L	98
30) Cyclohexane	4.667	56	78899	5.088	ug/L	100
31) Carbon tetrachloride	4.818	117	94639	5.682	ug/L	99
33) Benzene	5.092	78	236252	5.082	ug/L	100
34) Trichloroethene	5.908	95	59228	5.119	ug/L	97
35) Methylcyclohexane	6.124	83	88166	5.535	ug/L	99
37) 1,2-Dichloropropane	6.165	63	63921	5.563	ug/L	98
38) Bromodichloromethane	6.503	83	82004	5.538	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	74679	5.317	ug/L	97
40) 4-Methyl-2-pentanone	7.223	43	298080	50.270	ug/L	99
42) Toluene	7.381	91	265434	5.723	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	66428	5.406	ug/L	95
45) 1,1,2-Trichloroethane	7.834	97	42725	5.216	ug/L	98
47) Tetrachloroethene	7.969	164	50329	5.539	ug/L	97
48) 2-Hexanone	8.136	43	220794	51.890	ug/L	100
49) Dibromochloromethane	8.239	129	52750	5.501	ug/L	96
50) 1,2-Dibromoethane	8.349	107	38038	5.223	ug/L	99
51) Chlorobenzene	8.879	112	161118	5.333	ug/L	99
52) Ethylbenzene	9.008	91	254756	5.467	ug/L	100
53) m,p-Xylene	9.136	106	99401	5.593	ug/L	97
54) o-Xylene	9.542	106	93197	5.361	ug/L	96
55) Styrene	9.558	104	171931	5.752	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	48733	5.337	ug/L	98
59) Bromoform	9.728	173	26226	5.196	ug/L	98
60) Isopropylbenzene	9.927	105	259067	5.496	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	34630	4.804	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	67241	5.161	ug/L	98
63) 1,2,4-Trimethylbenzene	10.911	105	188921	5.058	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	130494	5.539	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	126057	5.318	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	118522	5.403	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	6907	4.587	ug/L	91
69) 1,3,5-Trichlorobenzene	12.644	180	89881	5.291	ug/L	98
70) 1,2,4-trichlorobenzene	13.258	180	63234	4.981	ug/L	98
71) Naphthalene	13.500	128	80519	4.105	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	57814	4.886	ug/L	98

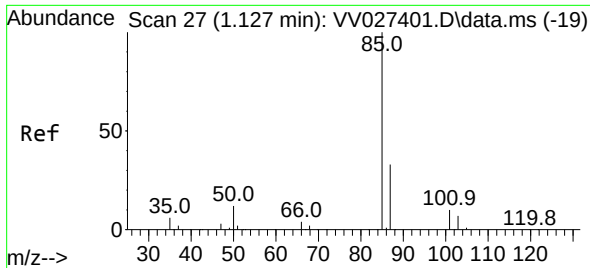
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

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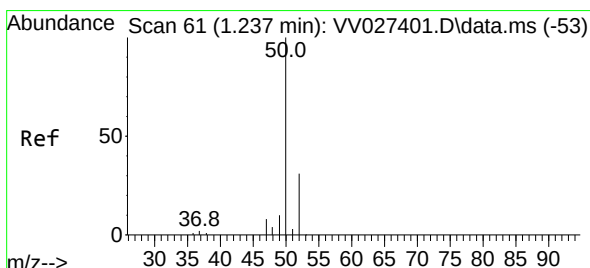
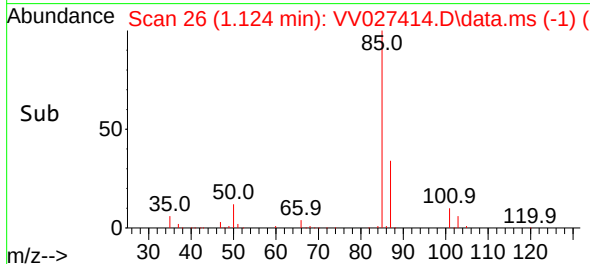
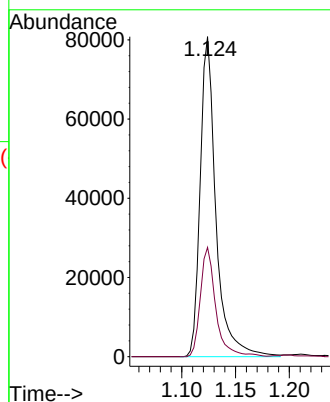
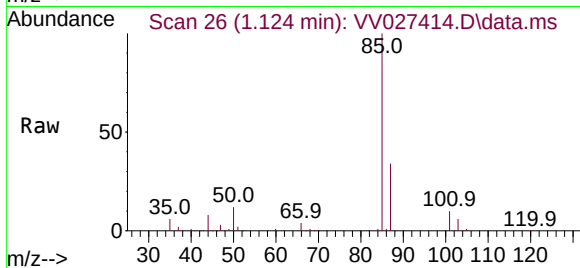




#2
 Dichlorodifluoromethane
 Concen: 5.445 ug/L
 RT: 1.124 min Scan# 2
 Delta R.T. -0.003 min
 Lab File: VV027414.D
 Acq: 17 Aug 2022 09:40

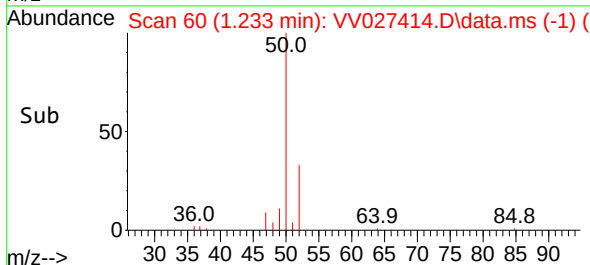
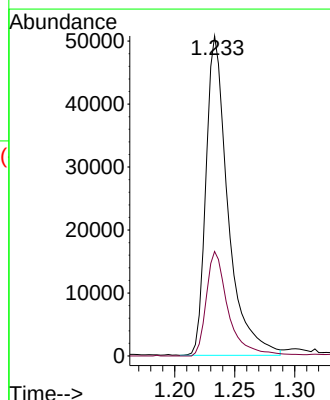
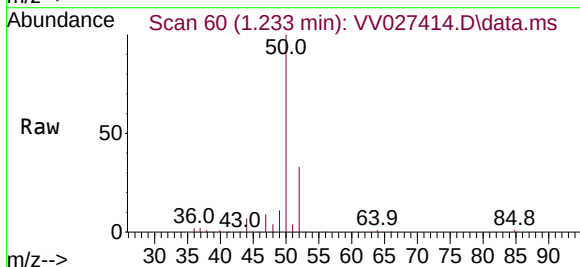
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

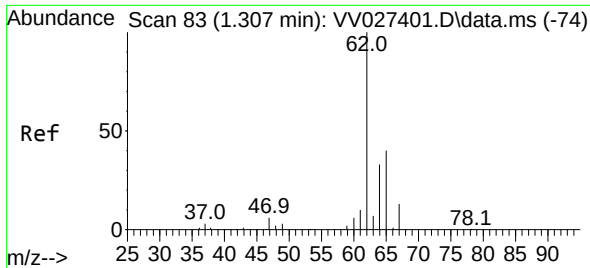
Tgt Ion: 85 Resp: 82137
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.2 39.4



#3
 Chloromethane
 Concen: 4.294 ug/L
 RT: 1.233 min Scan# 60
 Delta R.T. -0.003 min
 Lab File: VV027414.D
 Acq: 17 Aug 2022 09:40

Tgt Ion: 50 Resp: 64791
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.4 43.4

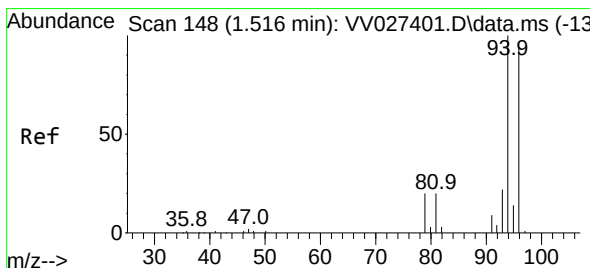
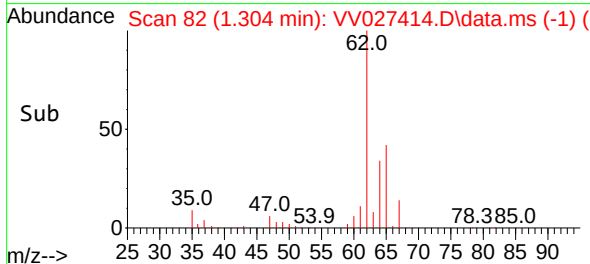
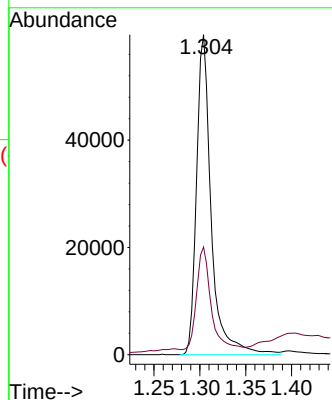
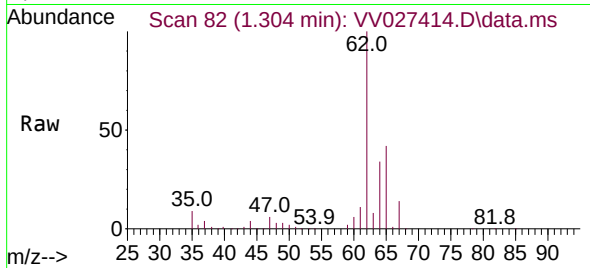




#5
 Vinyl chloride
 Concen: 4.721 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV027414.D
 Acq: 17 Aug 2022 09:40

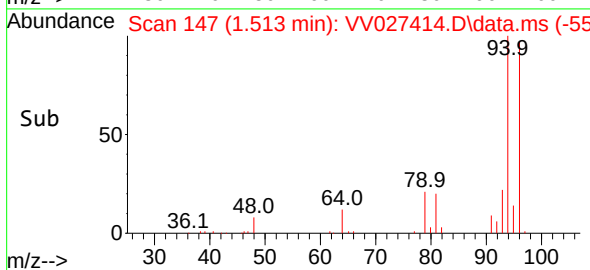
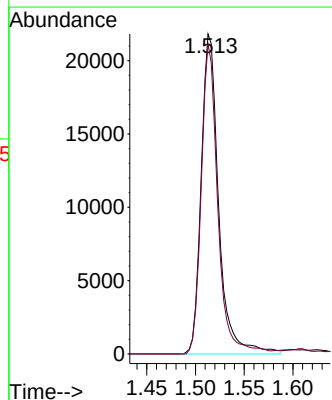
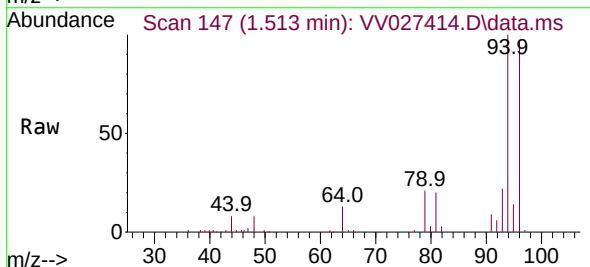
Instrument :
 MSVOA_V
 ClientSampleId :
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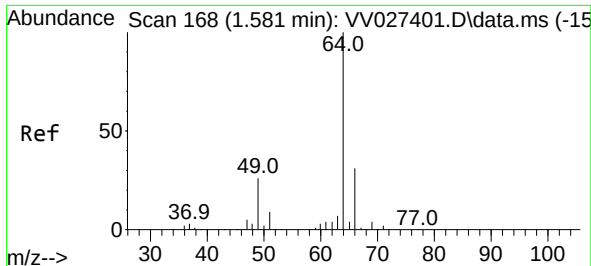
Tgt Ion: 62 Resp: 66446
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.7 44.1



#6
 Bromomethane
 Concen: 4.141 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.003 min
 Lab File: VV027414.D
 Acq: 17 Aug 2022 09:40

Tgt Ion: 94 Resp: 27213
 Ion Ratio Lower Upper
 94 100
 96 96.9 67.2 124.8

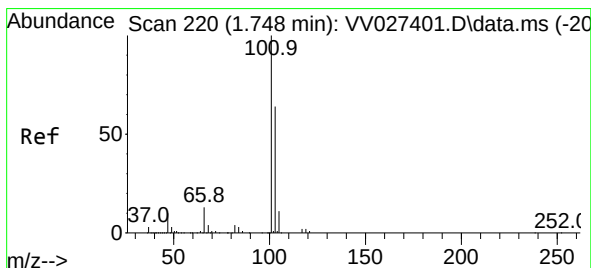
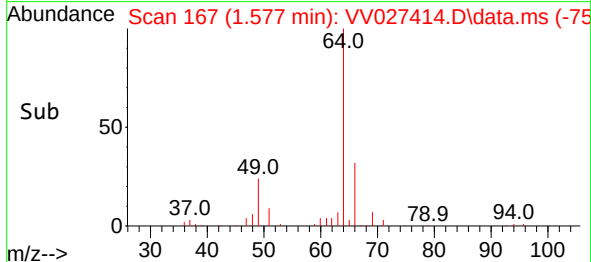
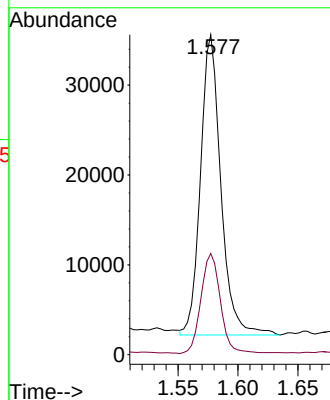
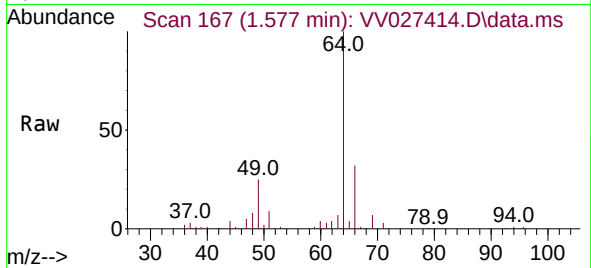




#8
Chloroethane
Concen: 5.065 ug/L
RT: 1.577 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

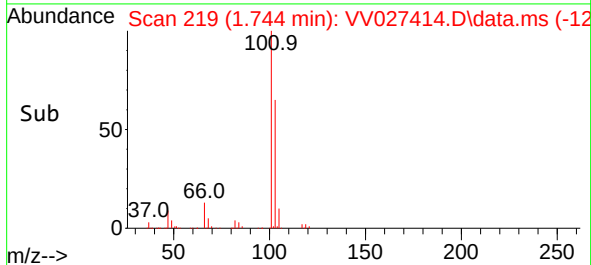
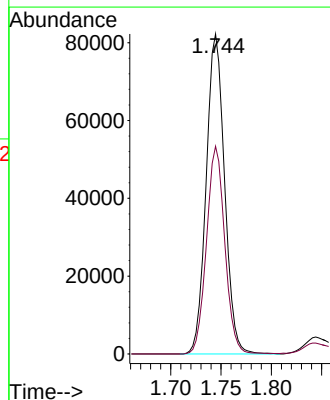
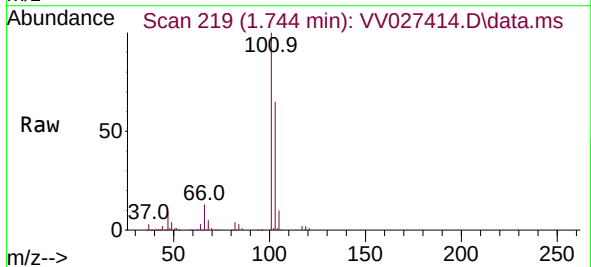
Instrument :
MSVOA_V
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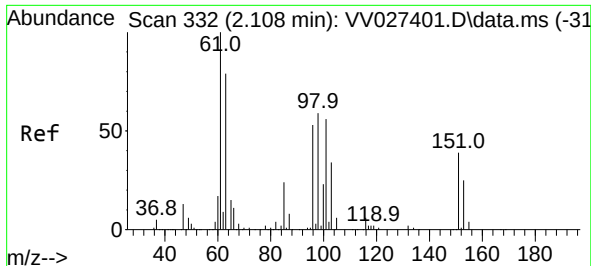
Tgt Ion: 64 Resp: 39637
Ion Ratio Lower Upper
64 100
66 31.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.553 ug/L
RT: 1.744 min Scan# 219
Delta R.T. -0.003 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion: 101 Resp: 104350
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 6.975 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.003 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

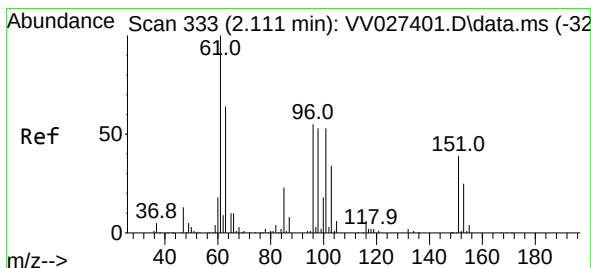
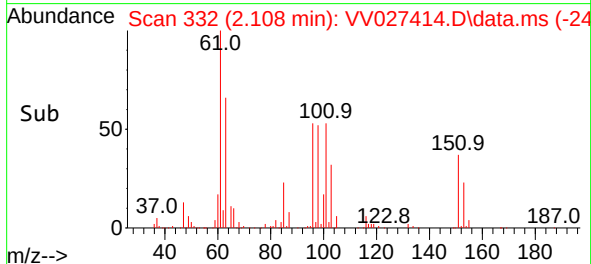
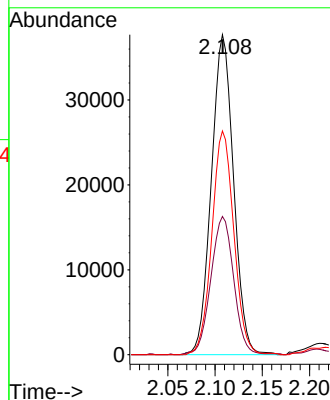
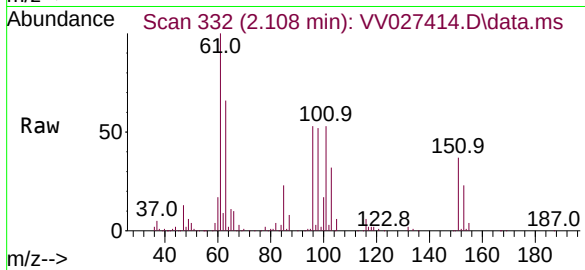
Tgt Ion:101 Resp: 61554

Ion Ratio Lower Upper

101 100

85 44.6 36.2 54.4

151 69.2 62.0 93.0



#12

1,1-Dichloroethene

Concen: 5.961 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.003 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

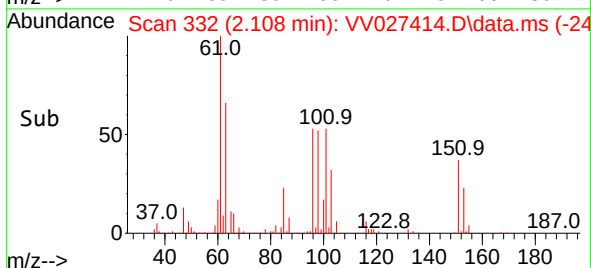
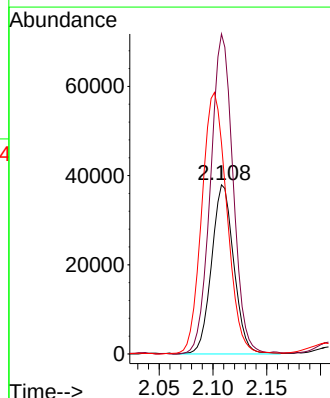
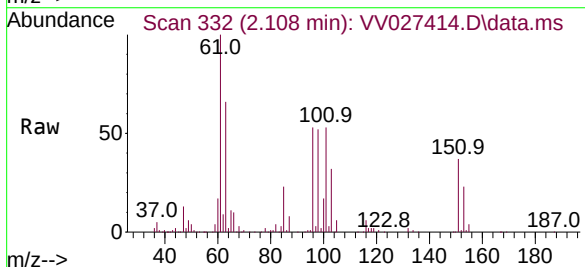
Tgt Ion: 96 Resp: 54497

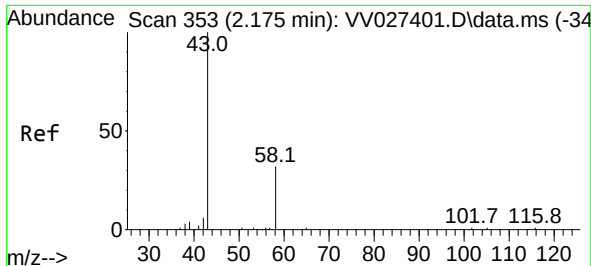
Ion Ratio Lower Upper

96 100

61 189.3 130.7 242.7

63 124.8 101.4 188.2





#13

Acetone

Concen: 37.836 ug/L

RT: 2.169 min Scan# 351

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

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ClientSampleId :

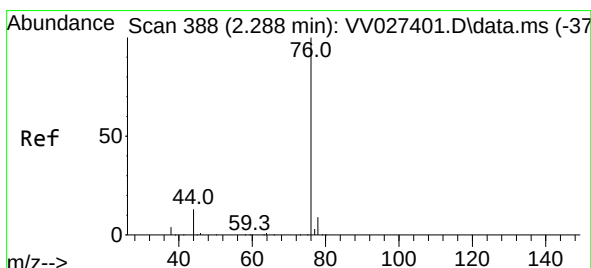
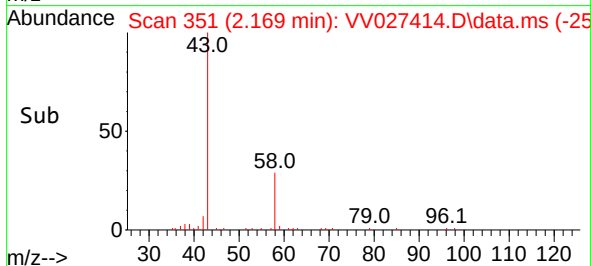
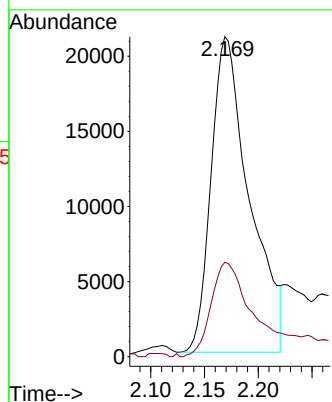
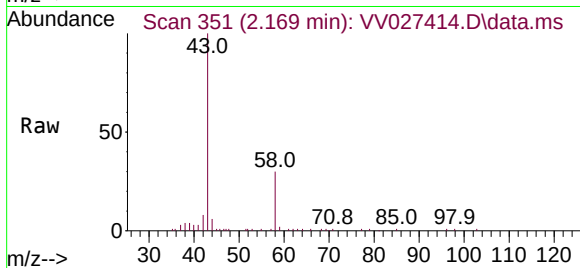
VSTD005375

Tgt Ion: 43 Resp: 52225

Ion Ratio Lower Upper

43 100

58 34.3 0.0 63.2



#14

Carbon disulfide

Concen: 4.337 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.003 min

Lab File: VV027414.D

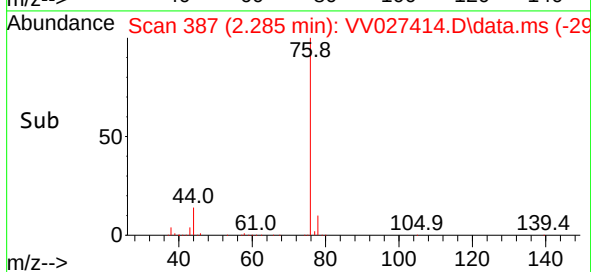
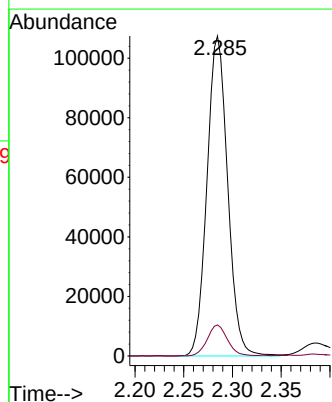
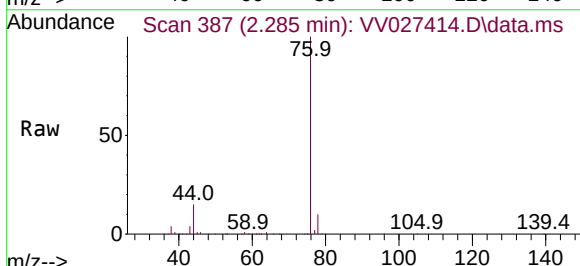
Acq: 17 Aug 2022 09:40

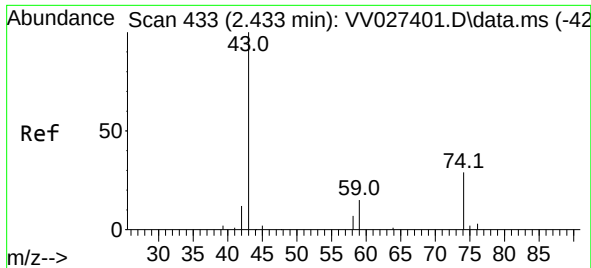
Tgt Ion: 76 Resp: 158749

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8





#15

Methyl Acetate

Concen: 5.004 ug/L

RT: 2.429 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

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MSVOA_V

ClientSampleId :

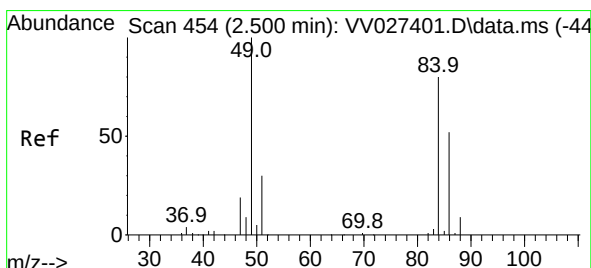
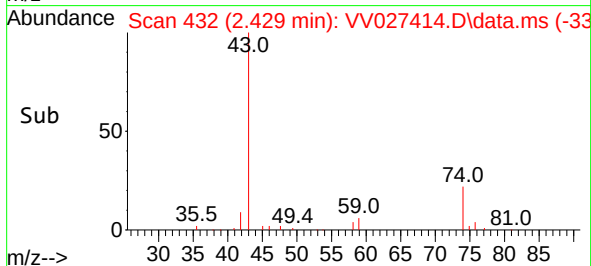
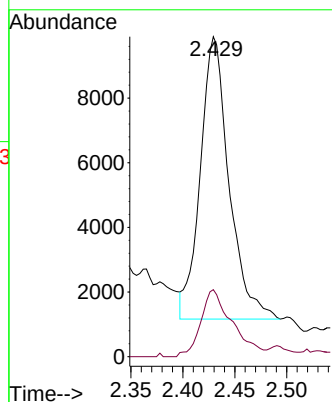
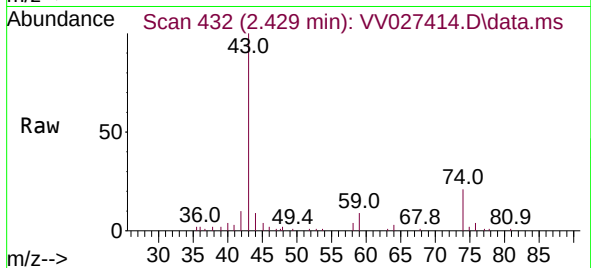
VSTD005375

Tgt Ion: 43 Resp: 16817

Ion Ratio Lower Upper

43 100

74 25.9 21.8 32.8



#16

Methylene chloride

Concen: 4.599 ug/L

RT: 2.497 min Scan# 453

Delta R.T. -0.003 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

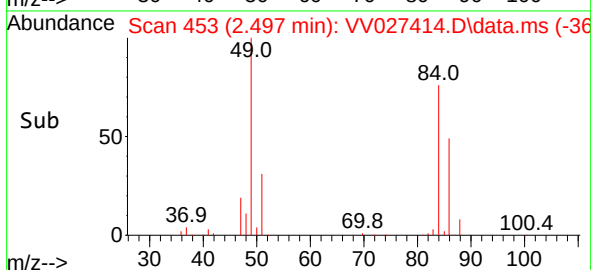
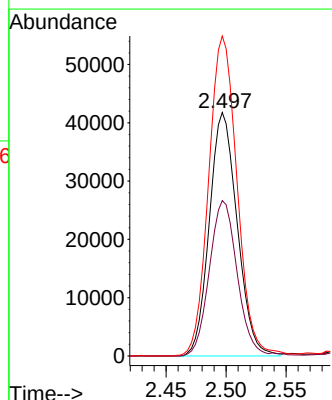
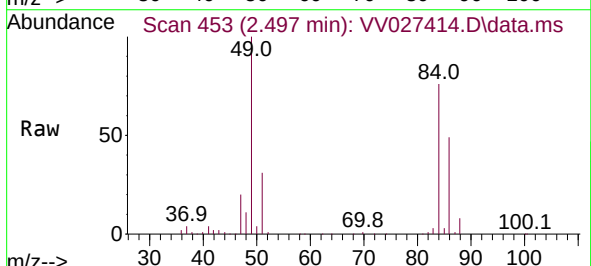
Tgt Ion: 84 Resp: 67514

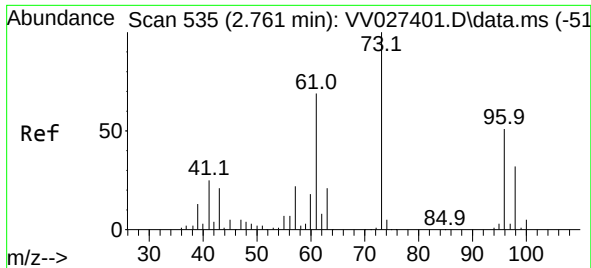
Ion Ratio Lower Upper

84 100

86 63.8 45.1 83.9

49 131.4 91.2 169.4

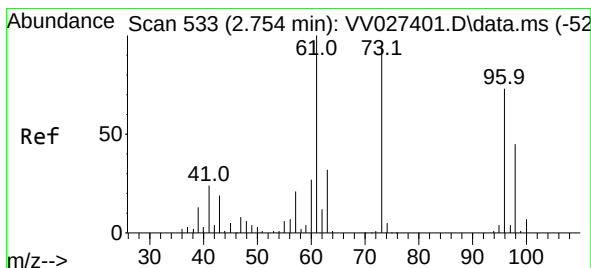
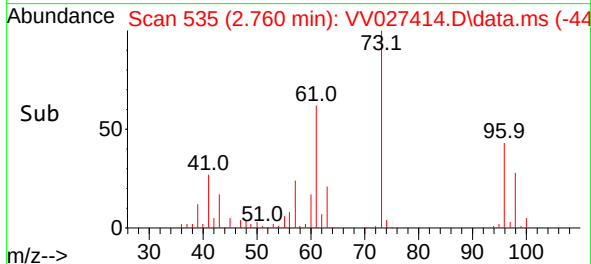
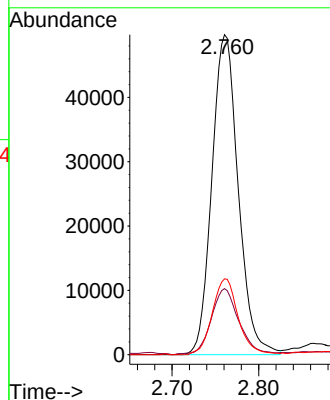
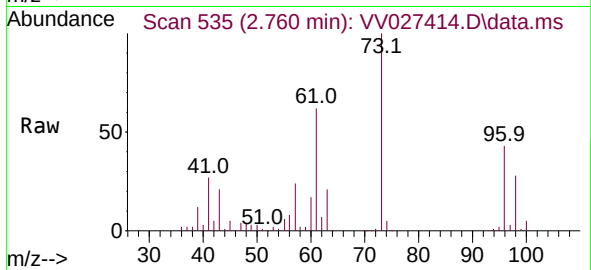




#17
Methyl tert-butyl Ether
Concen: 4.933 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

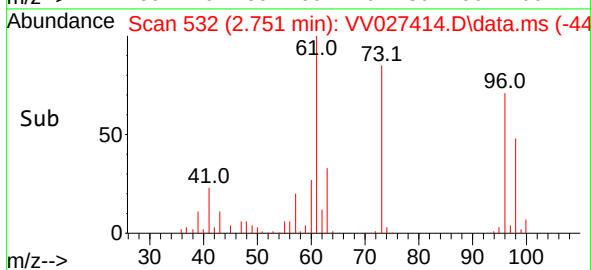
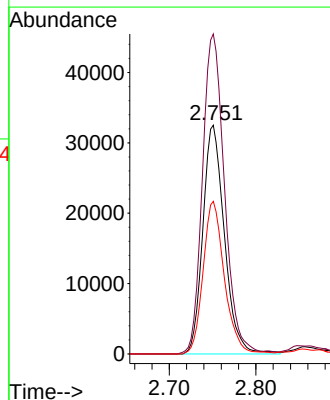
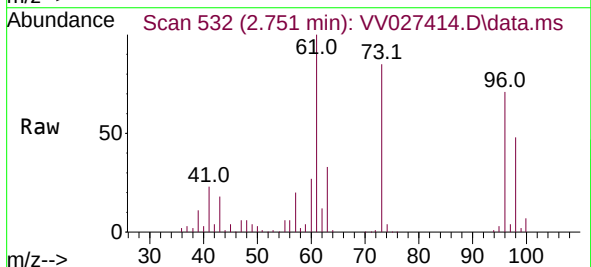
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

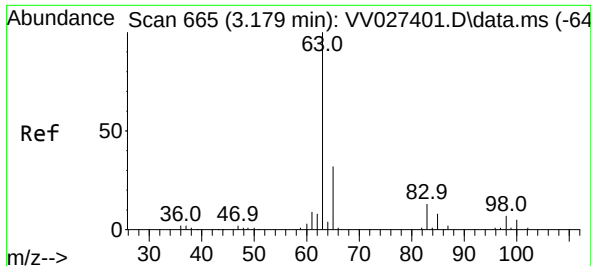
Tgt Ion: 73 Resp: 105266
Ion Ratio Lower Upper
73 100
43 21.7 15.8 23.8
57 23.3 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 5.006 ug/L
RT: 2.751 min Scan# 532
Delta R.T. -0.003 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion: 96 Resp: 56288
Ion Ratio Lower Upper
96 100
61 139.9 99.6 185.0
98 66.7 45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.355 ug/L

RT: 3.178 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

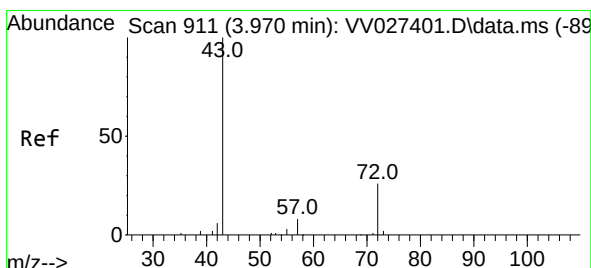
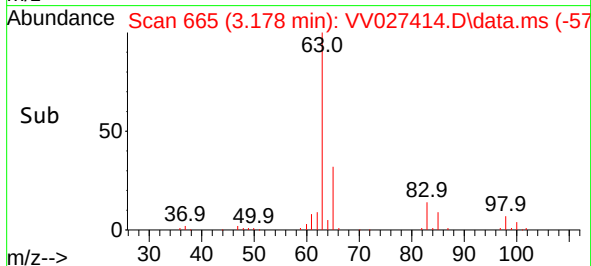
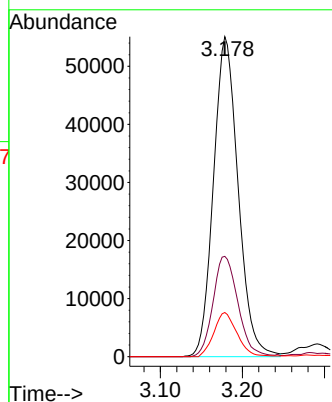
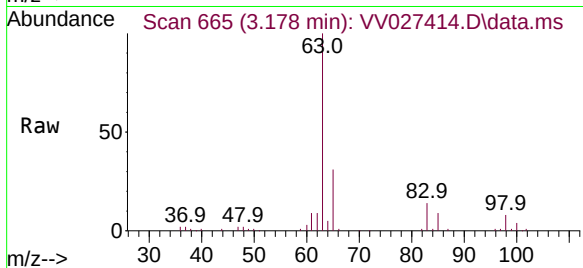
Tgt Ion: 63 Resp: 115269

Ion Ratio Lower Upper

63 100

65 31.4 21.6 40.2

83 13.8 9.3 17.3



#21

2-Butanone

Concen: 44.771 ug/L

RT: 3.966 min Scan# 910

Delta R.T. 0.003 min

Lab File: VV027414.D

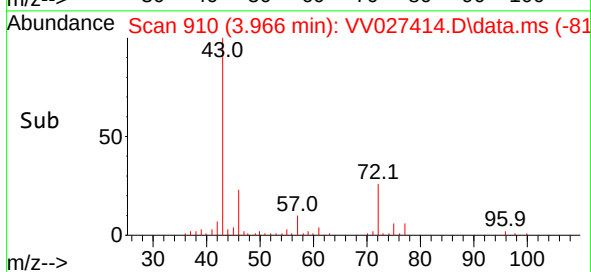
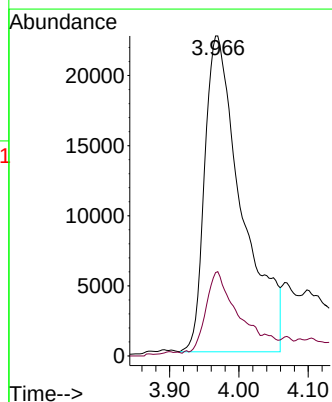
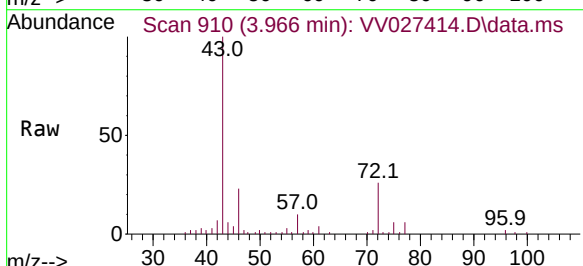
Acq: 17 Aug 2022 09:40

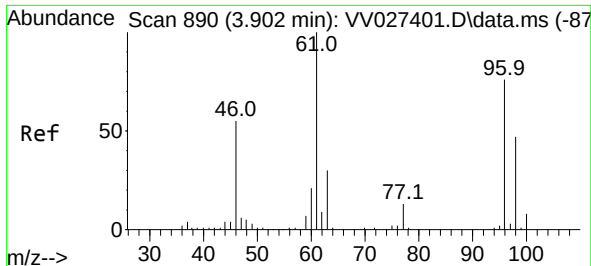
Tgt Ion: 43 Resp: 84143

Ion Ratio Lower Upper

43 100

72 21.8 12.9 38.6

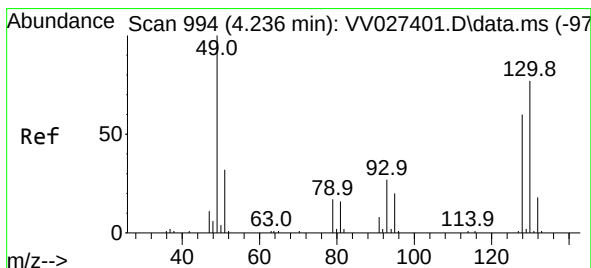
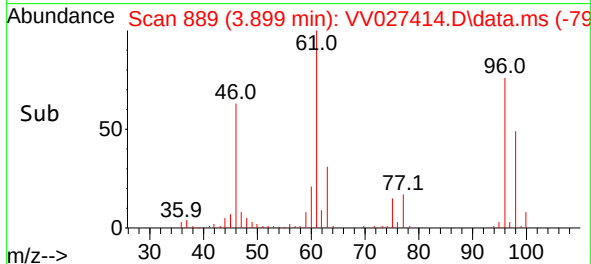
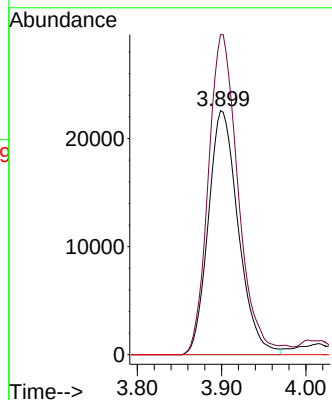
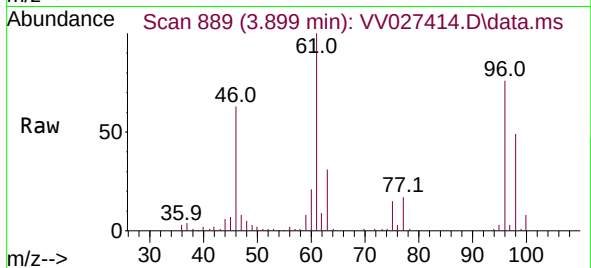




#22
 cis-1,2-Dichloroethene
 Concen: 5.057 ug/L
 RT: 3.899 min Scan# 890
 Delta R.T. -0.003 min
 Lab File: VV027414.D
 Acq: 17 Aug 2022 09:40

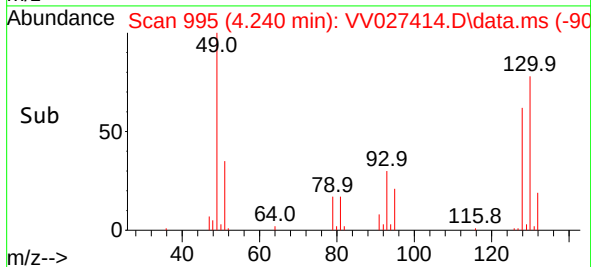
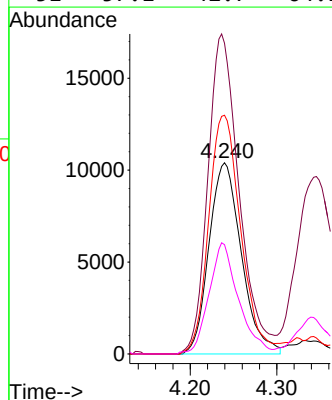
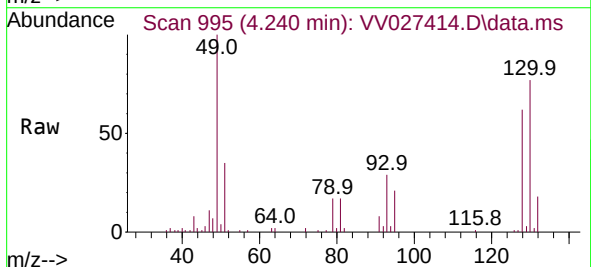
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

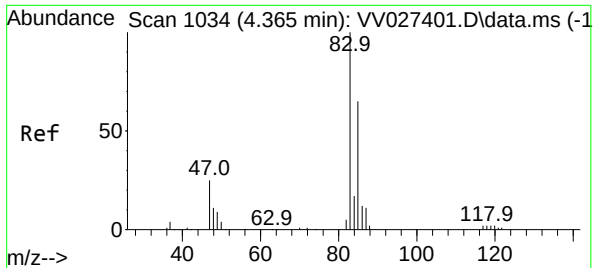
Tgt Ion: 96 Resp: 55914
 Ion Ratio Lower Upper
 96 100
 61 131.1 91.3 169.5
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.232 ug/L
 RT: 4.240 min Scan# 995
 Delta R.T. 0.000 min
 Lab File: VV027414.D
 Acq: 17 Aug 2022 09:40

Tgt Ion: 128 Resp: 27041
 Ion Ratio Lower Upper
 128 100
 49 162.5 118.5 220.1
 130 124.9 90.3 167.7
 51 57.1 42.7 64.1

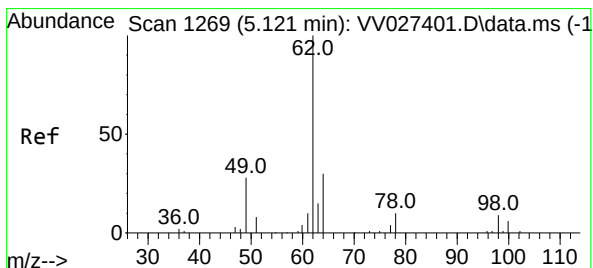
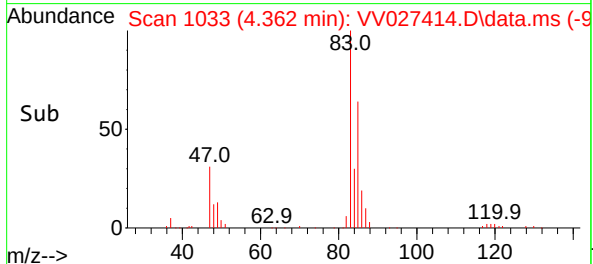
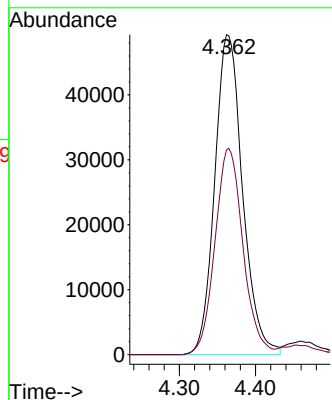
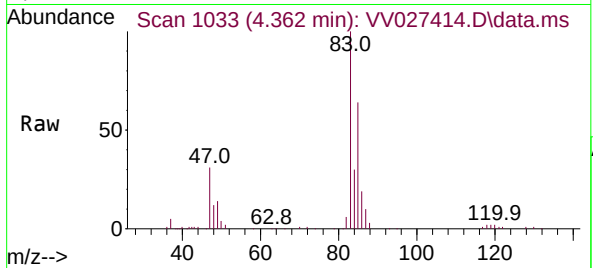




#25
Chloroform
Concen: 5.674 ug/L
RT: 4.362 min Scan# 1033
Delta R.T. -0.003 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

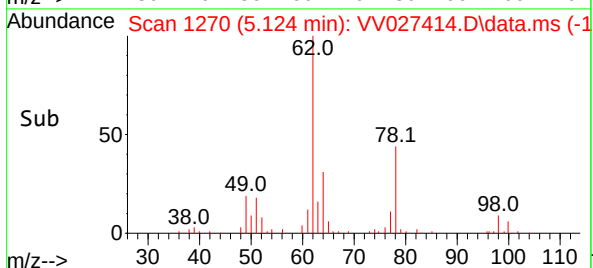
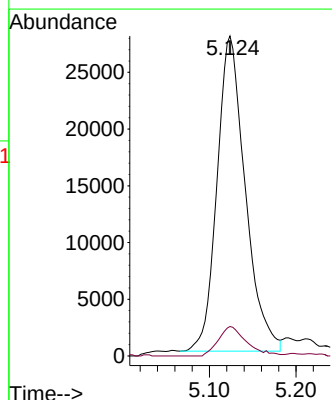
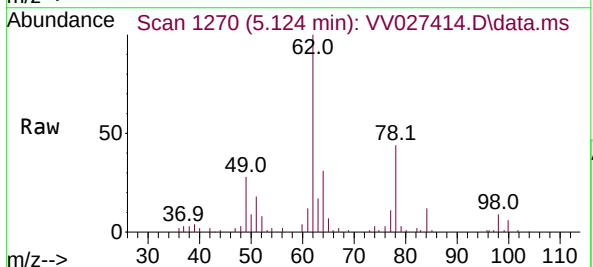
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

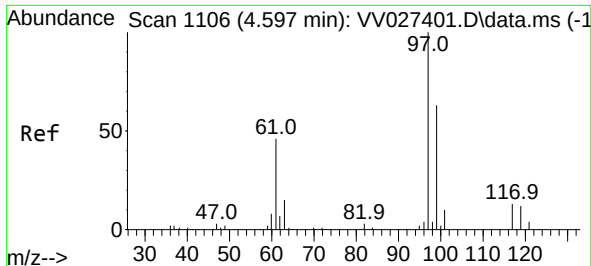
Tgt Ion: 83 Resp: 125499
Ion Ratio Lower Upper
83 100
85 63.9 45.2 84.0



#27
1,2-Dichloroethane
Concen: 4.978 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion: 62 Resp: 62931
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.414 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

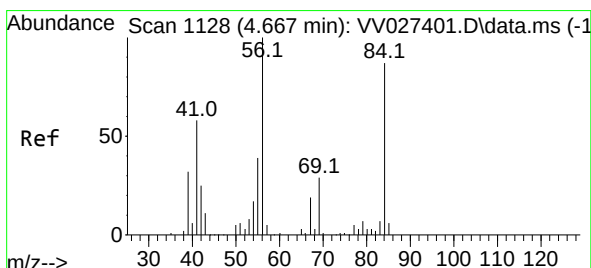
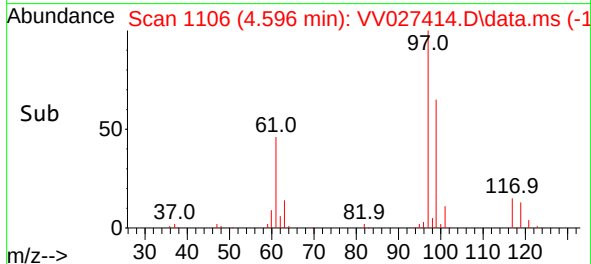
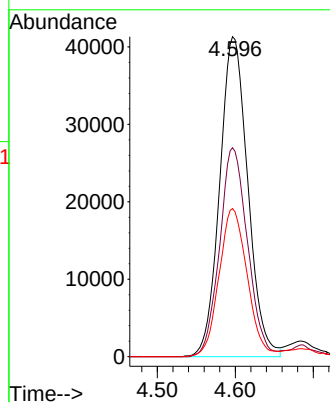
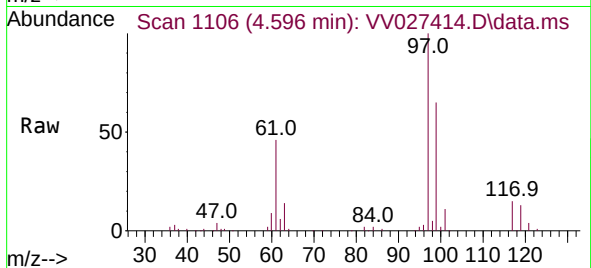
Tgt Ion: 97 Resp: 103620

Ion Ratio Lower Upper

97 100

99 65.0 50.8 76.2

61 46.5 36.5 54.7



#30

Cyclohexane

Concen: 5.088 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

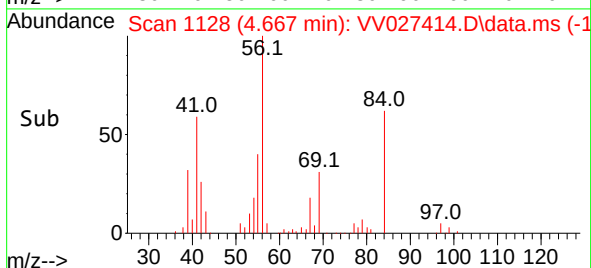
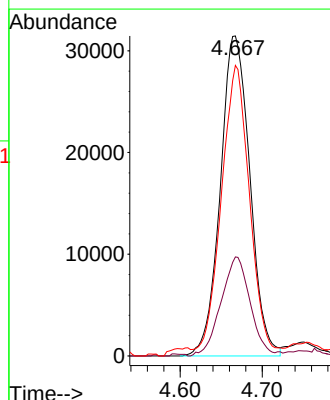
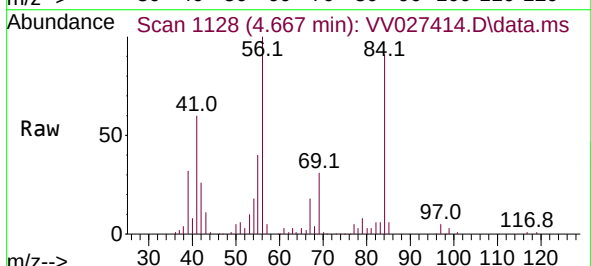
Tgt Ion: 56 Resp: 78899

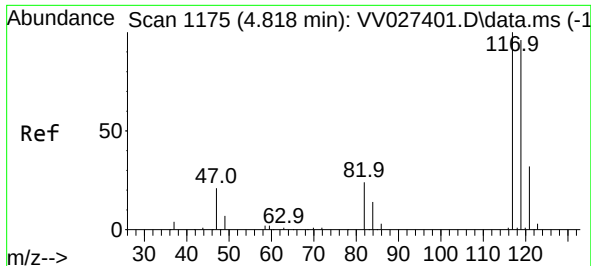
Ion Ratio Lower Upper

56 100

69 30.3 24.0 36.0

84 86.8 69.1 103.7

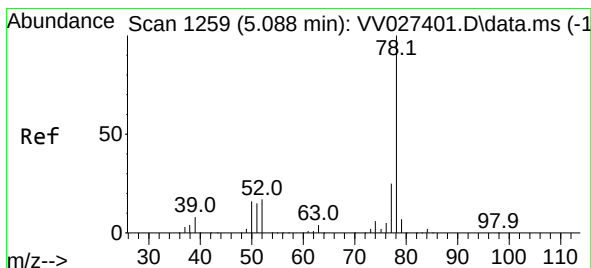
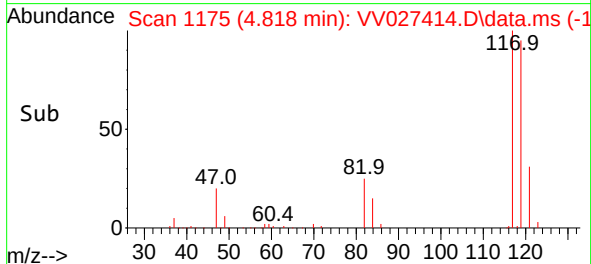
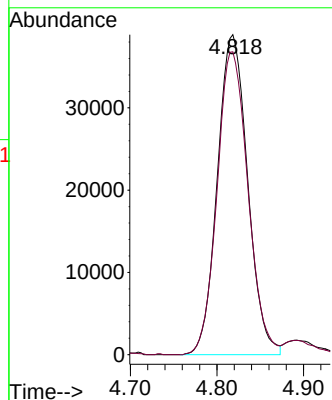
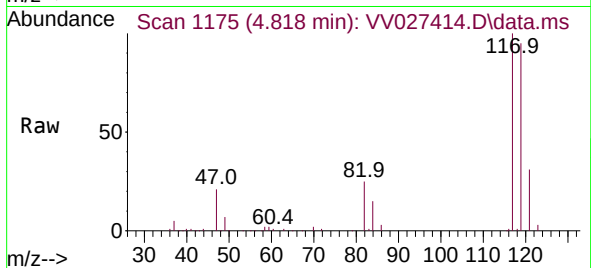




#31
Carbon tetrachloride
Concen: 5.682 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

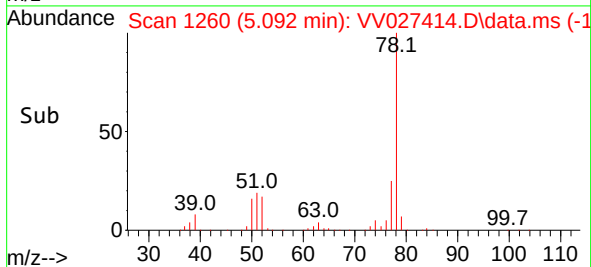
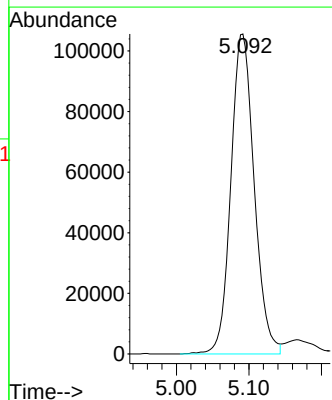
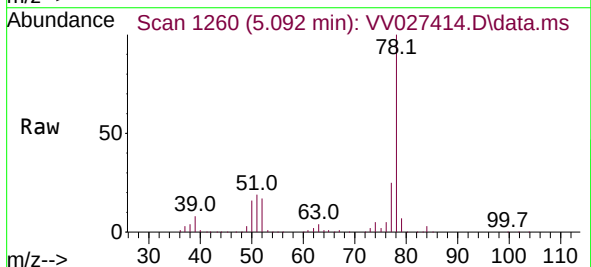
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

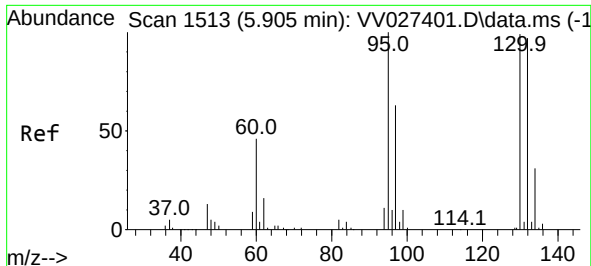
Tgt Ion:117 Resp: 94639
Ion Ratio Lower Upper
117 100
119 96.5 76.6 115.0



#33
Benzene
Concen: 5.082 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion: 78 Resp: 236252



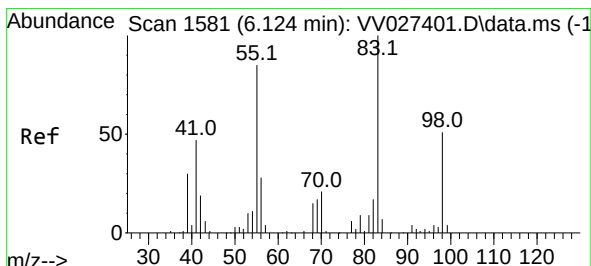
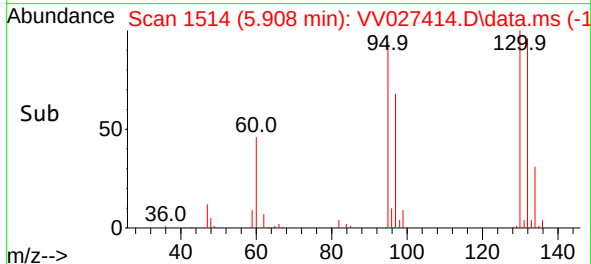
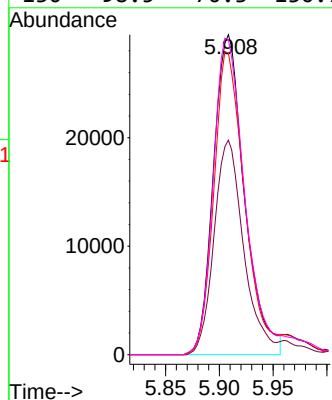
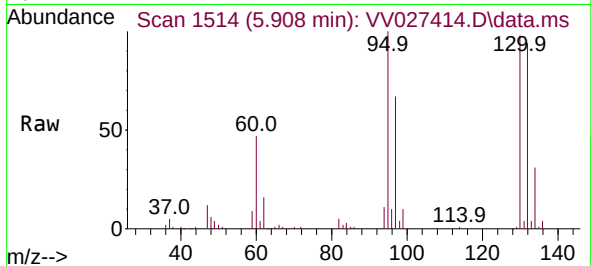


#34
Trichloroethene
Concen: 5.119 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

Tgt Ion: 95 Resp: 59228

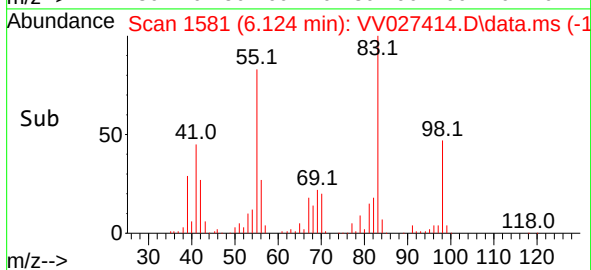
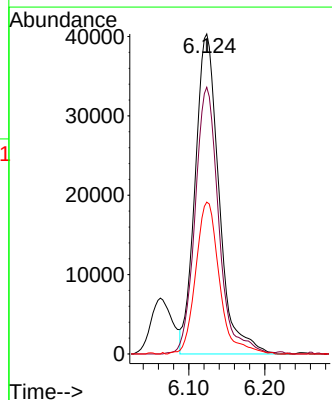
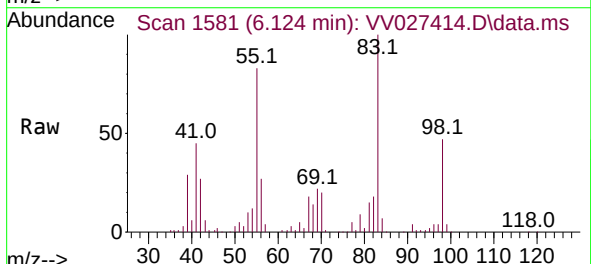
Ion	Ratio	Lower	Upper
95	100		
97	67.0	45.5	84.5
132	94.3	68.2	126.6
130	98.5	70.3	130.7

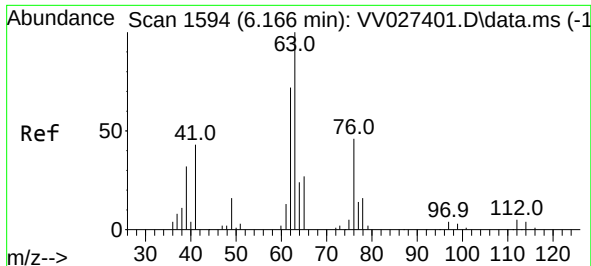


#35
Methylcyclohexane
Concen: 5.535 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion: 83 Resp: 88166

Ion	Ratio	Lower	Upper
83	100		
55	82.7	67.0	100.6
98	47.2	38.7	58.1





#37

1,2-Dichloropropane

Concen: 5.563 ug/L

RT: 6.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

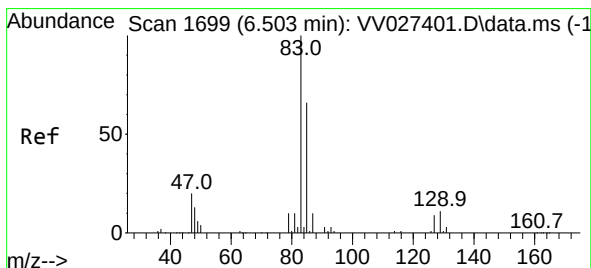
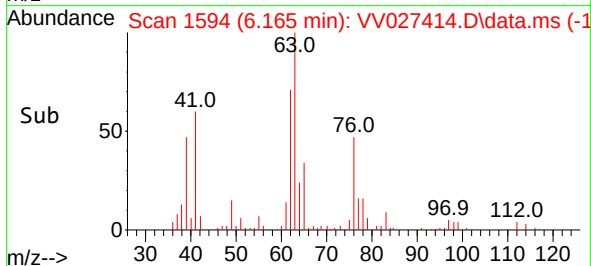
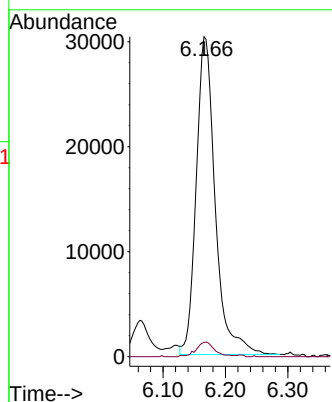
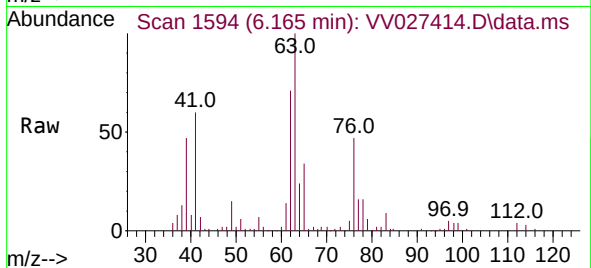
VSTD005375

Tgt Ion: 63 Resp: 63921

Ion Ratio Lower Upper

63 100

112 4.5 4.0 6.0



#38

Bromodichloromethane

Concen: 5.538 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

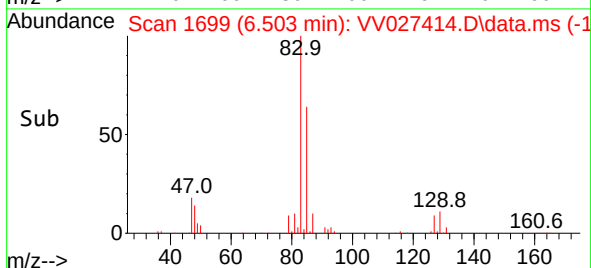
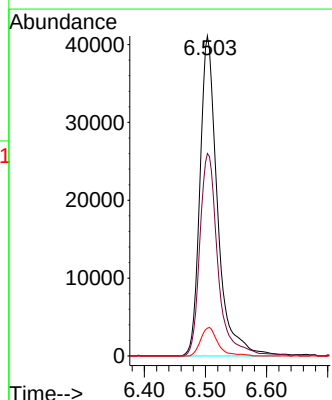
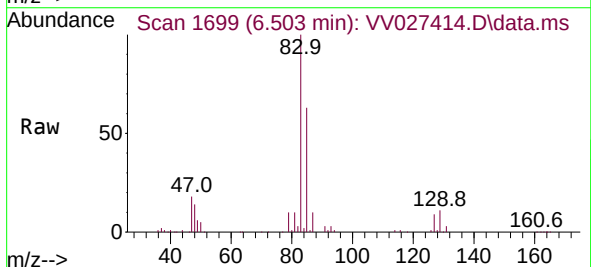
Tgt Ion: 83 Resp: 82004

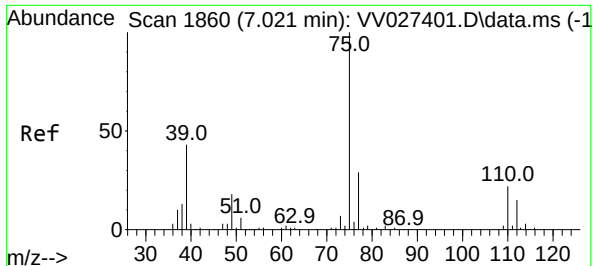
Ion Ratio Lower Upper

83 100

85 63.3 45.4 84.4

127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.317 ug/L

RT: 7.024 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

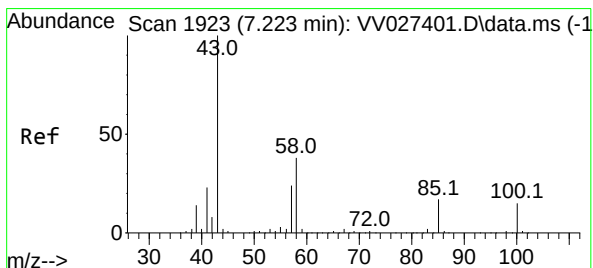
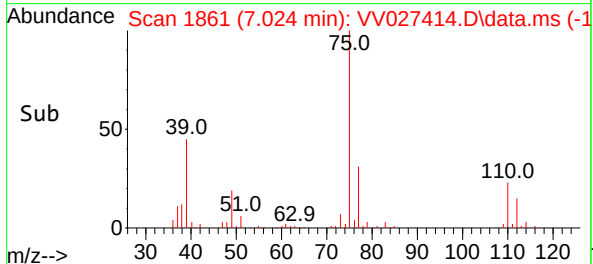
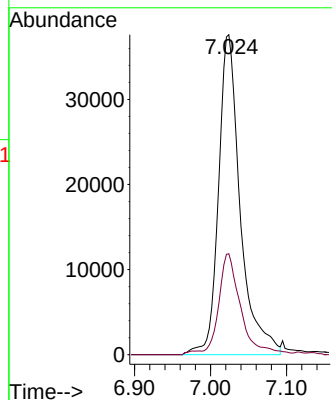
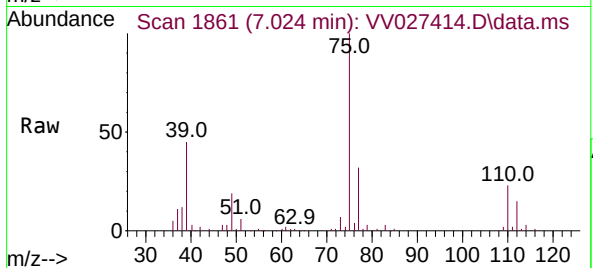
VSTD005375

Tgt Ion: 75 Resp: 74679

Ion Ratio Lower Upper

75 100

77 31.5 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 50.270 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

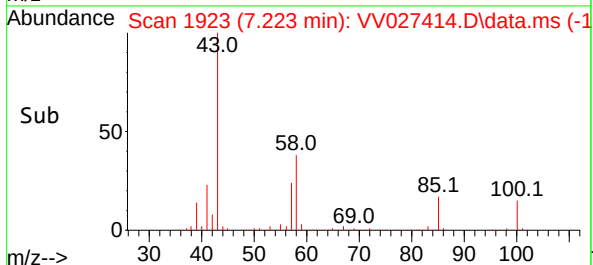
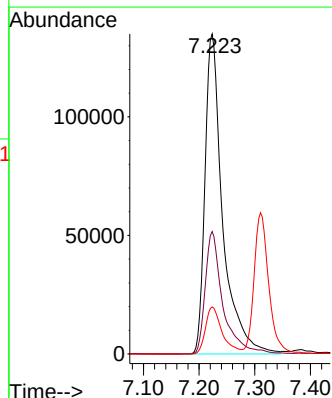
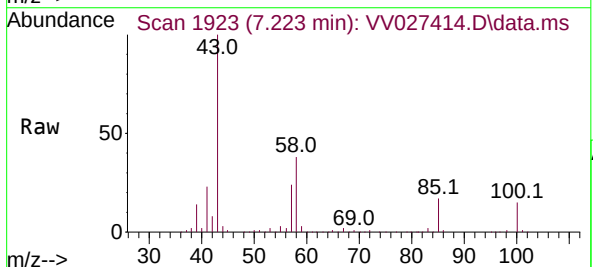
Tgt Ion: 43 Resp: 298080

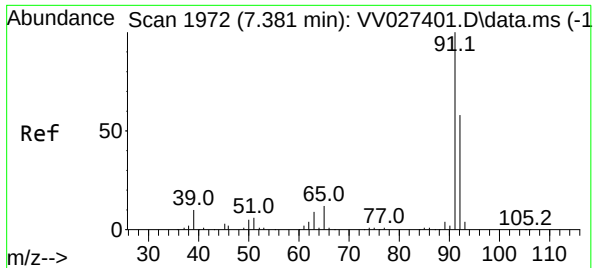
Ion Ratio Lower Upper

43 100

58 38.3 31.0 46.4

100 14.0 10.9 16.3





#42

Toluene

Concen: 5.723 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

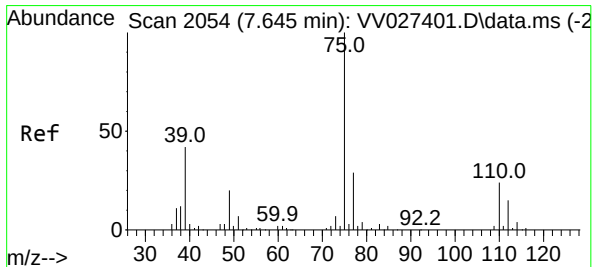
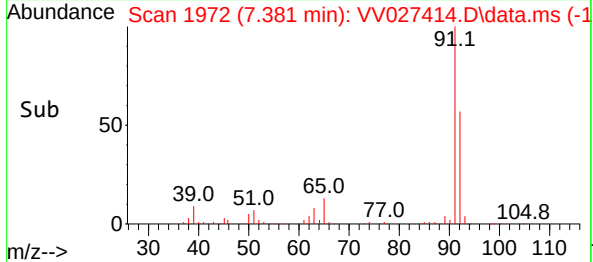
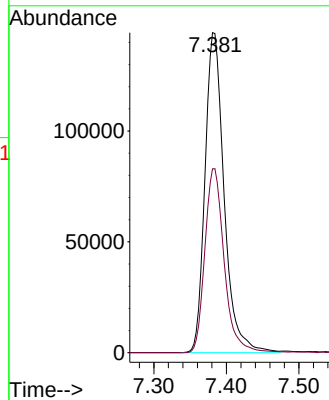
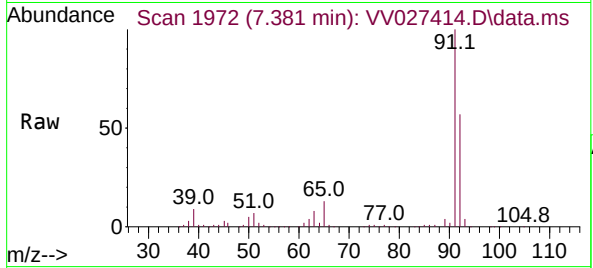
VSTD005375

Tgt Ion: 91 Resp: 265434

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.406 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV027414.D

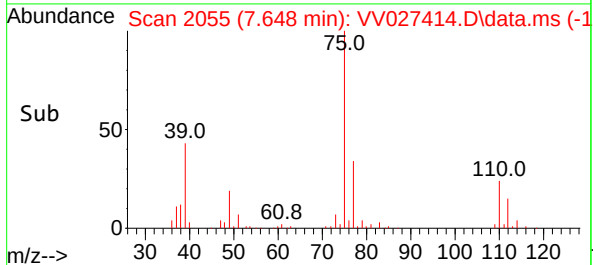
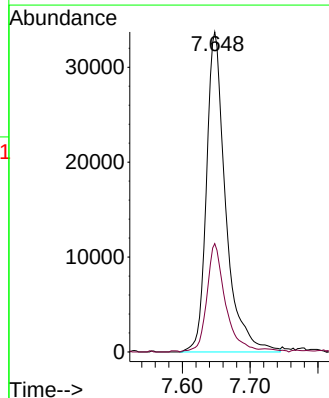
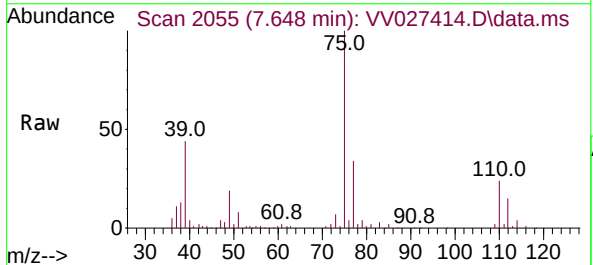
Acq: 17 Aug 2022 09:40

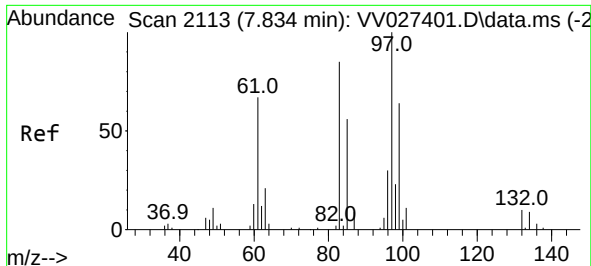
Tgt Ion: 75 Resp: 66428

Ion Ratio Lower Upper

75 100

77 33.9 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 5.216 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

Tgt Ion: 97 Resp: 42725

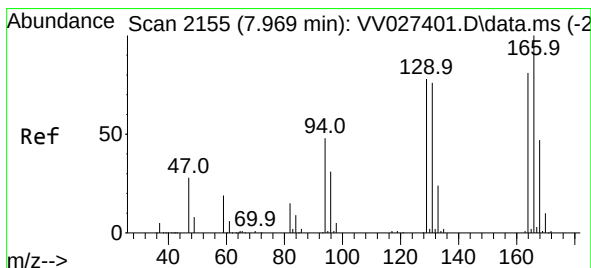
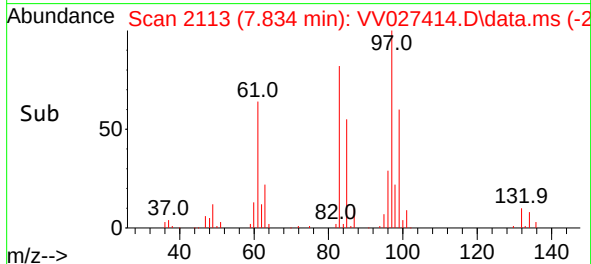
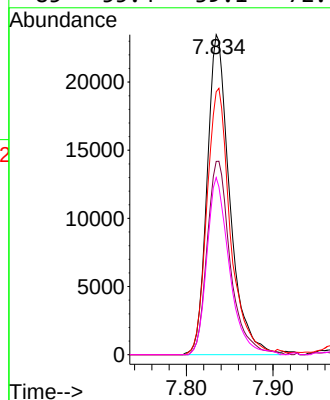
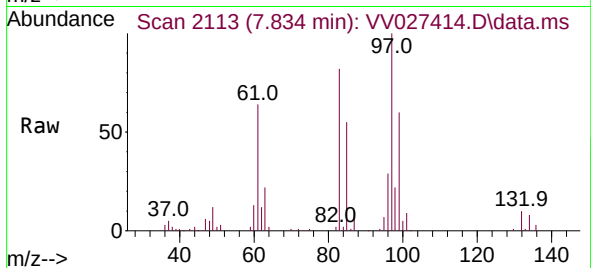
Ion Ratio Lower Upper

97 100

99 60.4 43.7 81.1

83 82.1 59.8 111.0

85 55.4 39.1 72.7



#47

Tetrachloroethene

Concen: 5.539 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Tgt Ion: 164 Resp: 50329

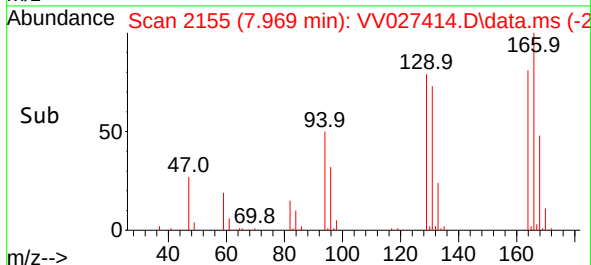
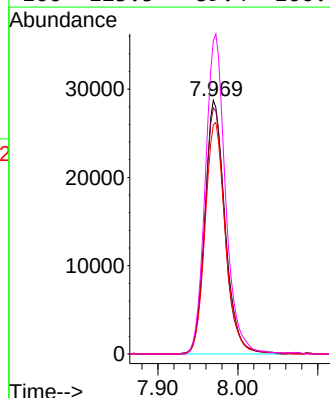
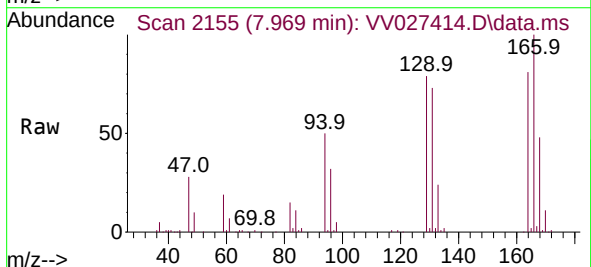
Ion Ratio Lower Upper

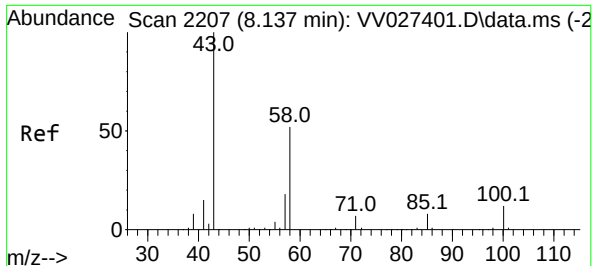
164 100

129 97.0 69.0 128.1

131 90.4 64.7 120.1

166 123.5 89.4 166.0



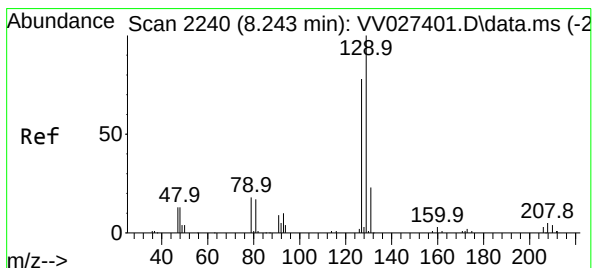
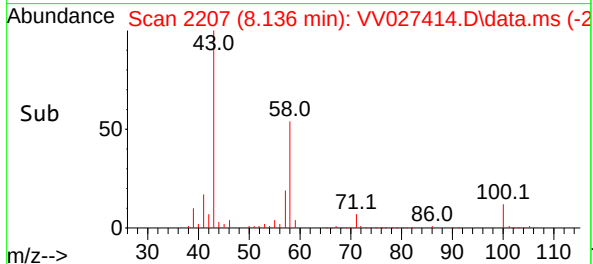
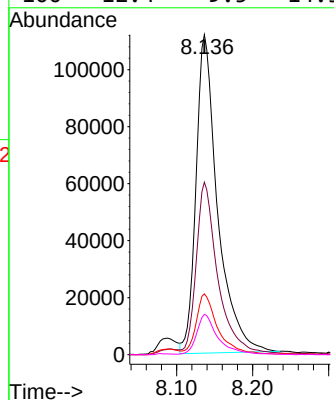
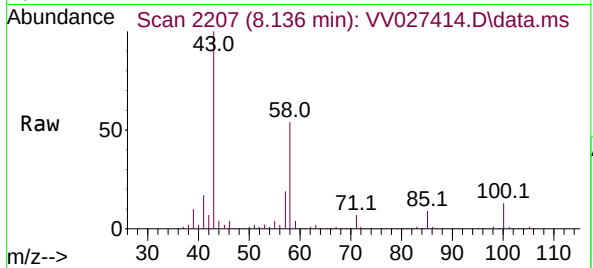


#48
2-Hexanone
Concen: 51.890 ug/L
RT: 8.136 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

Tgt Ion: 43 Resp: 220794

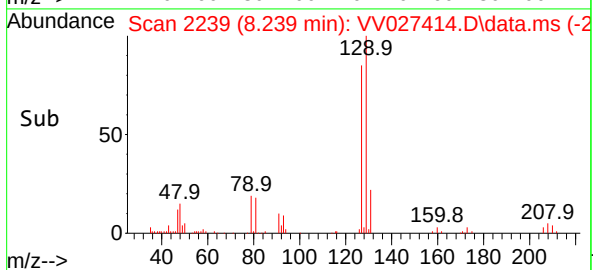
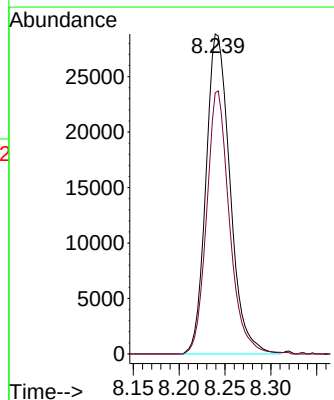
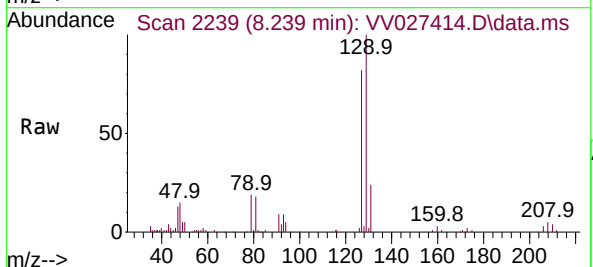
Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.8	64.2
57	18.9	15.2	22.8
100	12.4	9.5	14.3

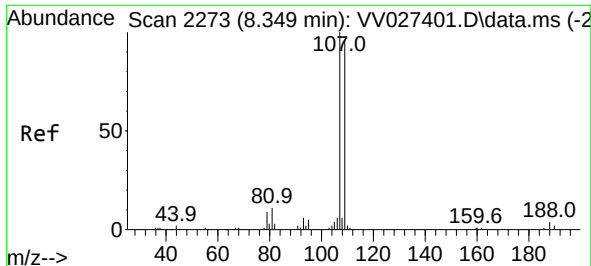


#49
Dibromochloromethane
Concen: 5.501 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. -0.003 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion: 129 Resp: 52750

Ion	Ratio	Lower	Upper
129	100		
127	81.7	54.5	101.3





#50

1,2-Dibromoethane

Concen: 5.223 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

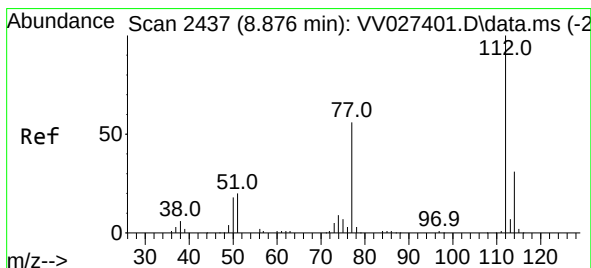
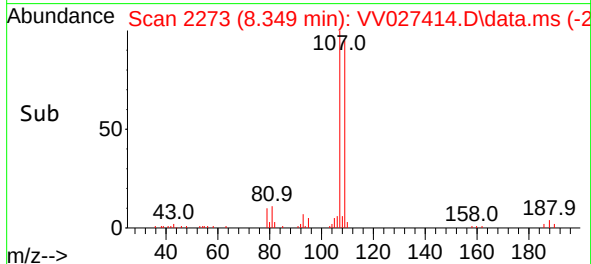
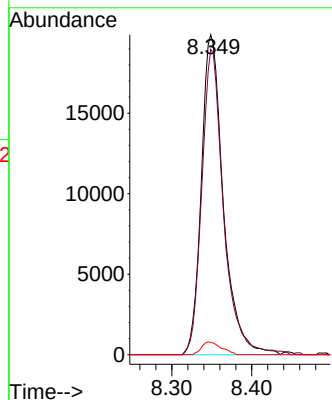
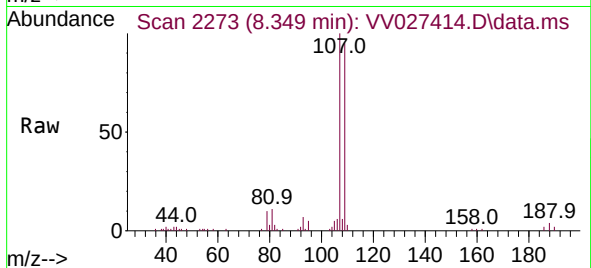
Tgt Ion:107 Resp: 38038

Ion Ratio Lower Upper

107 100

109 95.4 66.1 122.8

188 3.9 3.4 5.2



#51

Chlorobenzene

Concen: 5.333 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

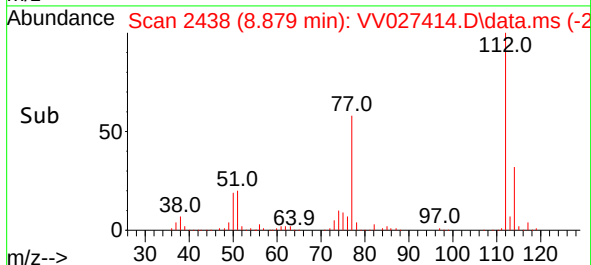
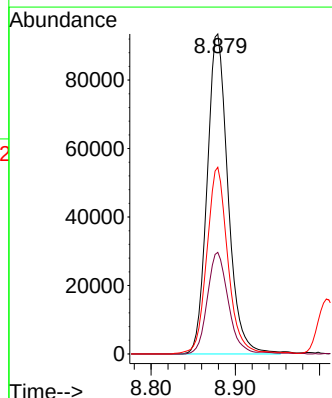
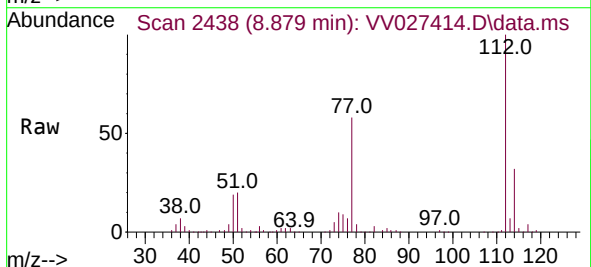
Tgt Ion:112 Resp: 161118

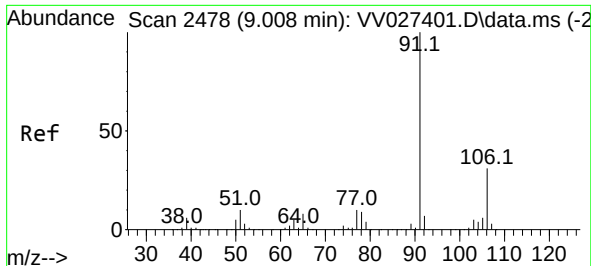
Ion Ratio Lower Upper

112 100

114 31.7 22.5 41.9

77 58.3 46.4 69.6





#52

Ethylbenzene

Concen: 5.467 ug/L

RT: 9.008 min Scan# 2478

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

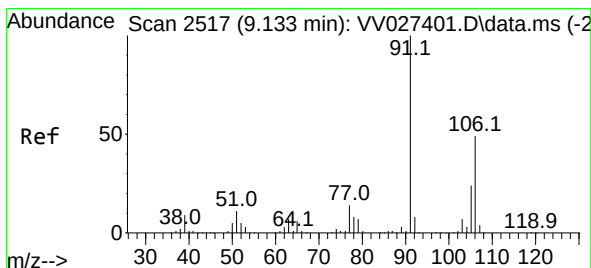
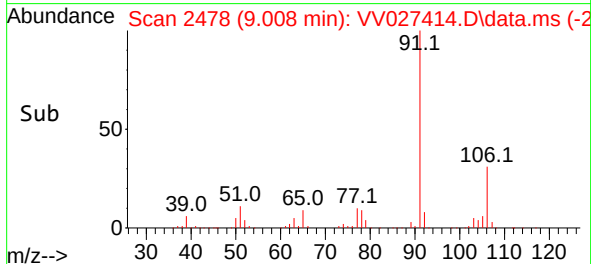
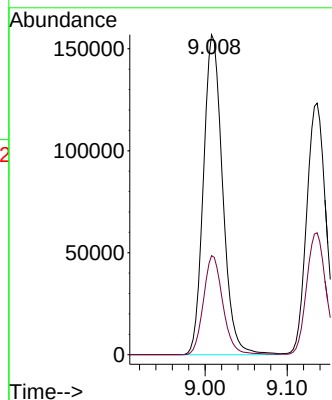
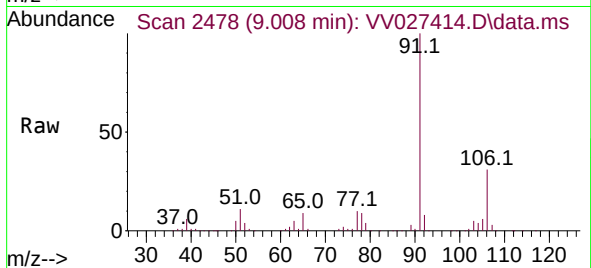
VSTD005375

Tgt Ion: 91 Resp: 254756

Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9



#53

m,p-Xylene

Concen: 5.593 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.003 min

Lab File: VV027414.D

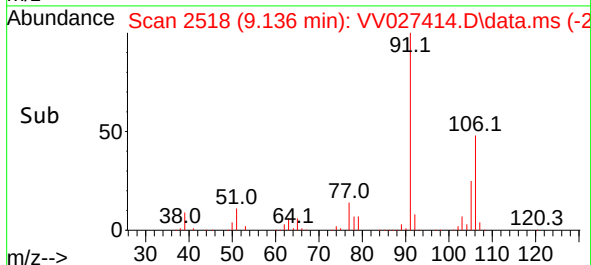
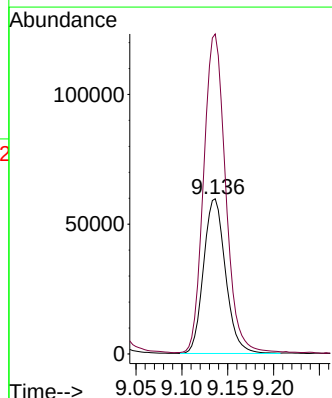
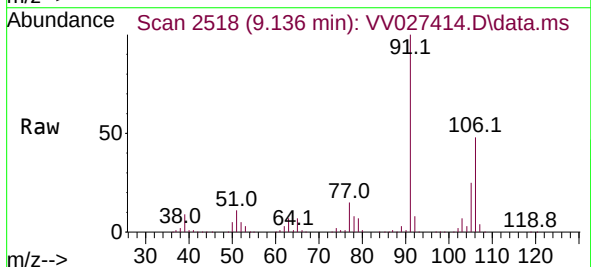
Acq: 17 Aug 2022 09:40

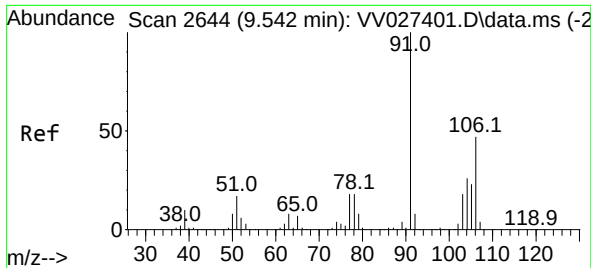
Tgt Ion: 106 Resp: 99401

Ion Ratio Lower Upper

106 100

91 206.2 141.5 262.9

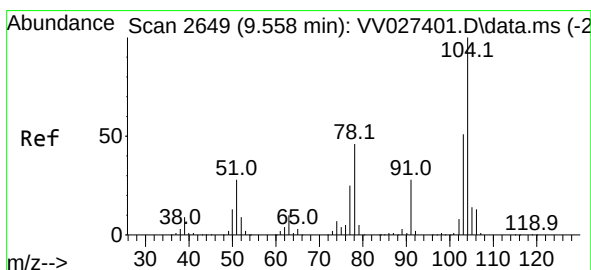
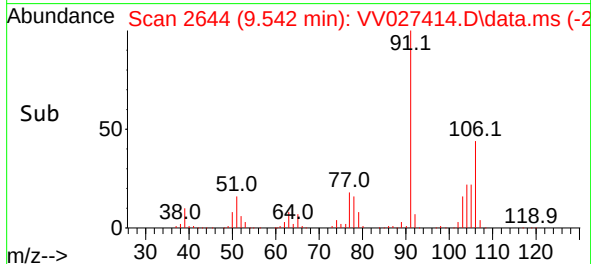
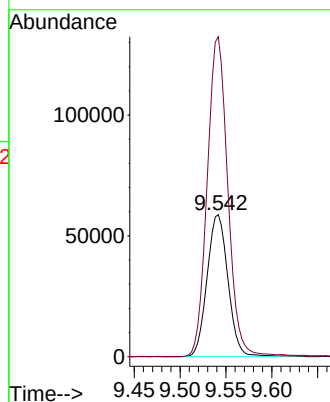
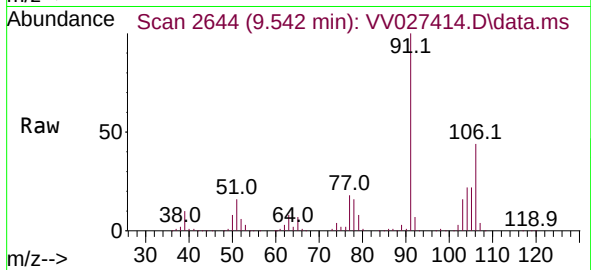




#54
o-Xylene
Concen: 5.361 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

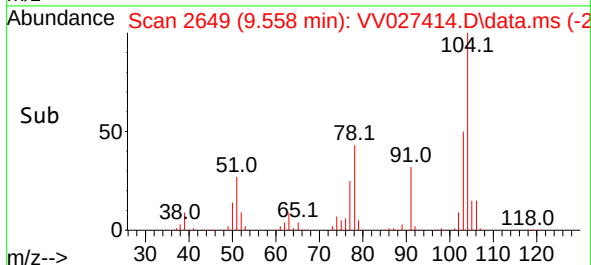
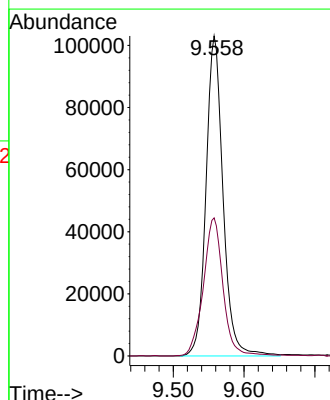
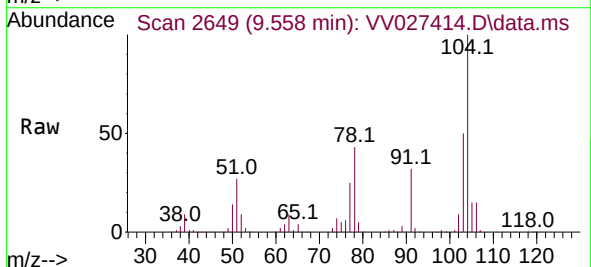
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

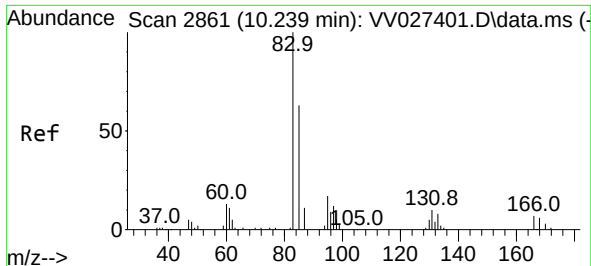
Tgt Ion:106 Resp: 93197
Ion Ratio Lower Upper
106 100
91 225.2 153.2 284.4



#55
Styrene
Concen: 5.752 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion:104 Resp: 171931
Ion Ratio Lower Upper
104 100
78 43.1 30.7 57.1

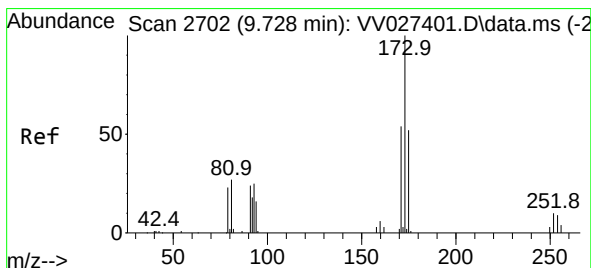
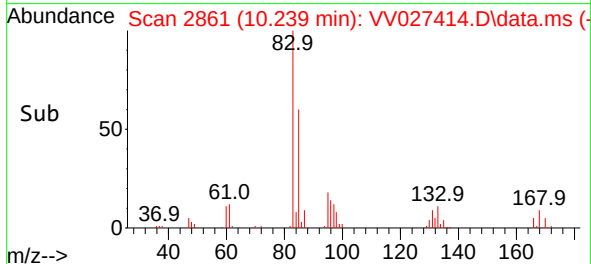
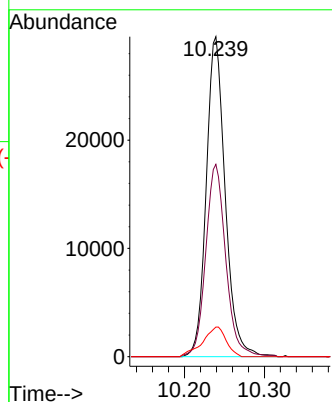
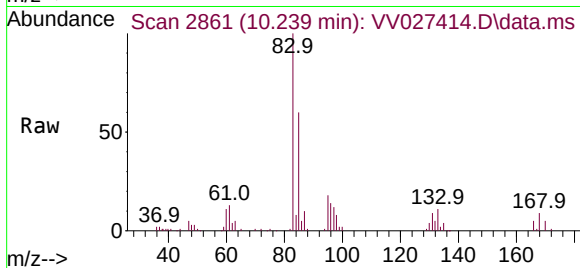




#57
1,1,2,2-Tetrachloroethane
Concen: 5.337 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

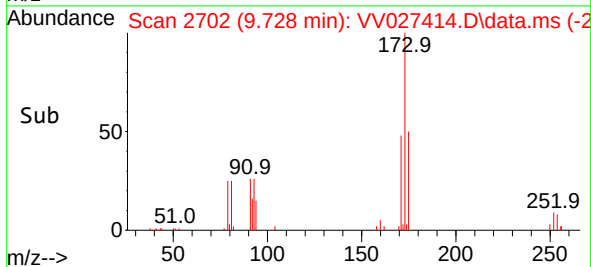
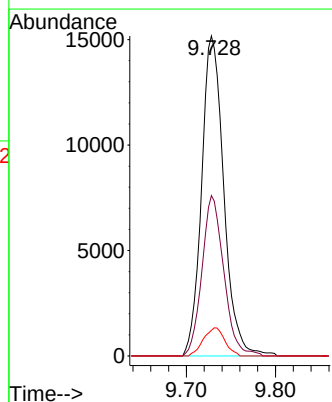
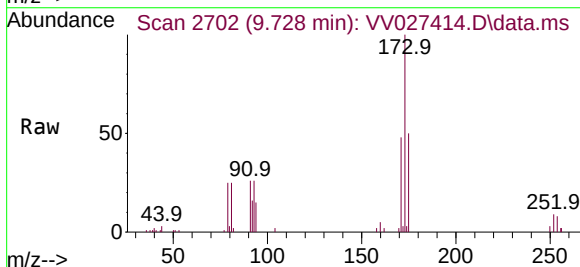
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

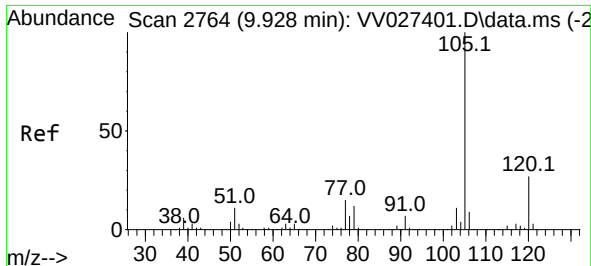
Tgt Ion: 83 Resp: 48733
Ion Ratio Lower Upper
83 100
85 60.1 43.3 80.3
131 9.2 7.7 11.5



#59
Bromoform
Concen: 5.196 ug/L
RT: 9.728 min Scan# 2702
Delta R.T. -0.003 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion: 173 Resp: 26226
Ion Ratio Lower Upper
173 100
175 49.2 38.2 57.2
254 8.5 6.5 9.7

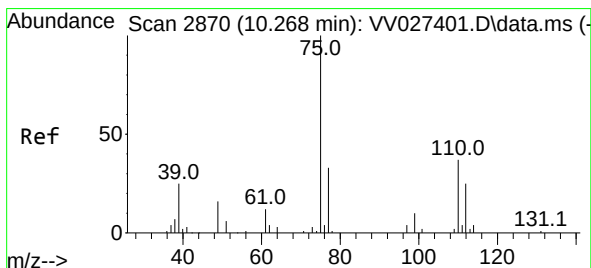
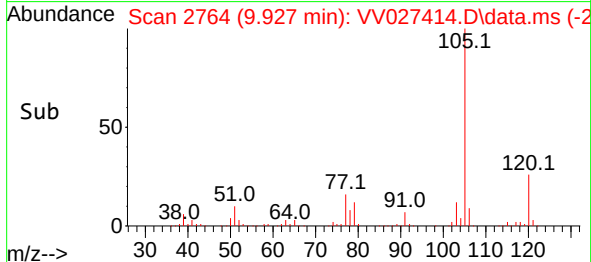
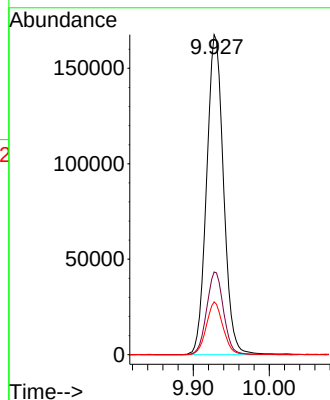
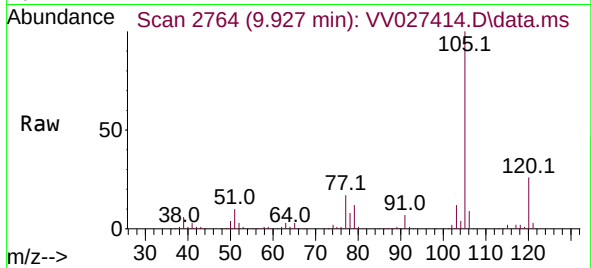




#60
Isopropylbenzene
Concen: 5.496 ug/L
RT: 9.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

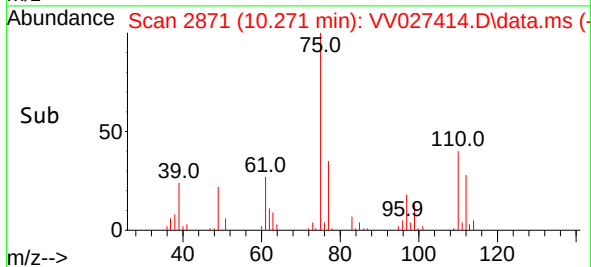
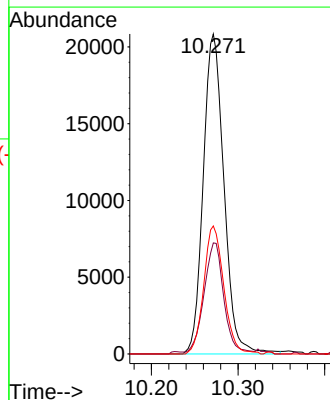
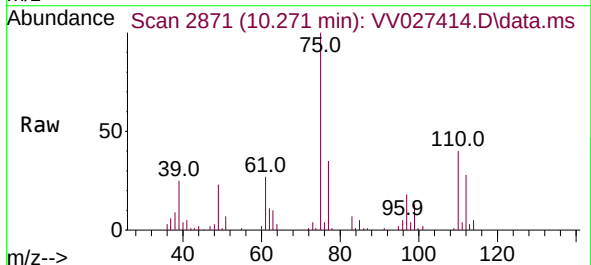
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

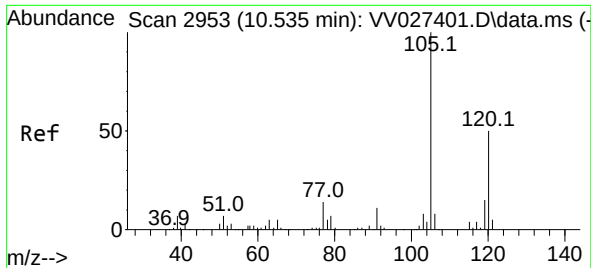
Tgt Ion:105 Resp: 259067
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.4
77 16.4 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.804 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion: 75 Resp: 34630
Ion Ratio Lower Upper
75 100
77 31.7 26.6 39.8
110 38.6 31.0 46.6

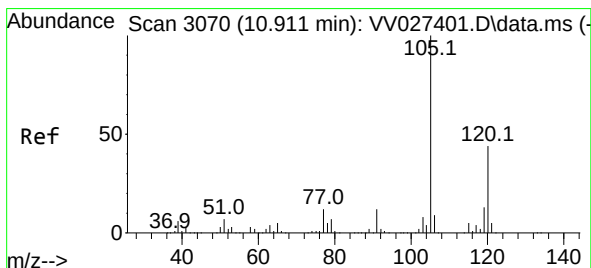
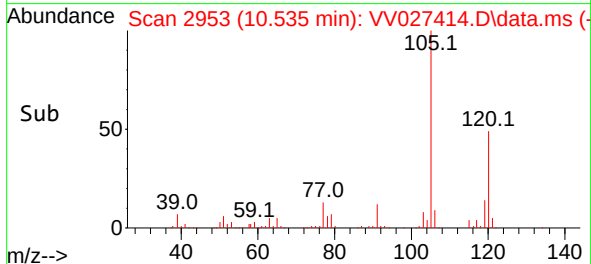
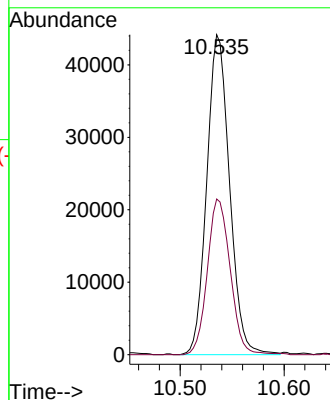
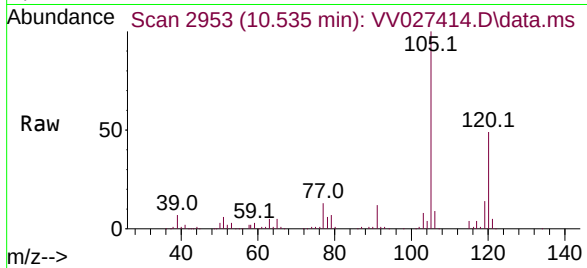




#62
 1,3,5-Trimethylbenzene
 Concen: 5.161 ug/L
 RT: 10.535 min Scan# 2953
 Delta R.T. 0.000 min
 Lab File: VV027414.D
 Acq: 17 Aug 2022 09:40

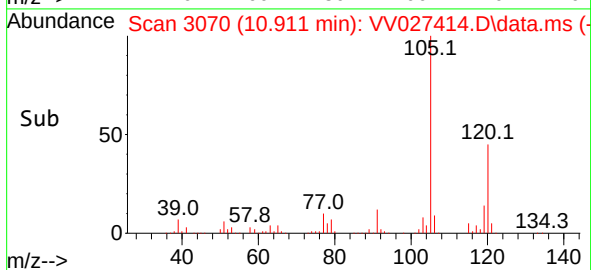
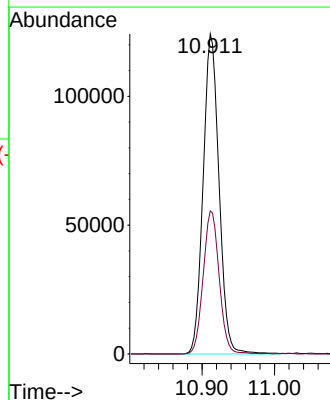
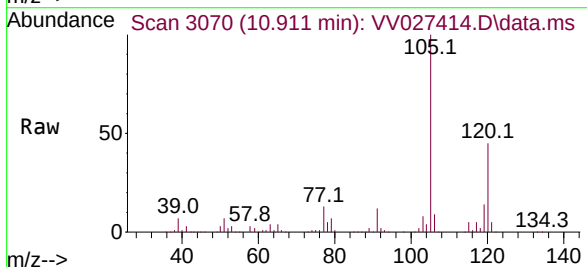
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

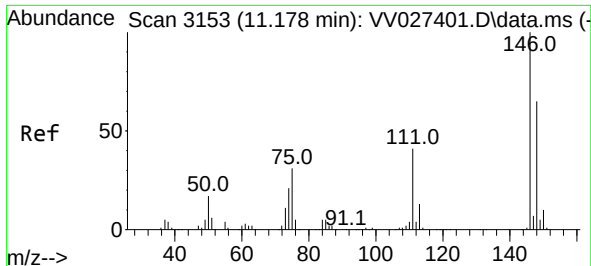
Tgt Ion:105 Resp: 67241
 Ion Ratio Lower Upper
 105 100
 120 48.9 38.2 57.4



#63
 1,2,4-Trimethylbenzene
 Concen: 5.058 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. 0.000 min
 Lab File: VV027414.D
 Acq: 17 Aug 2022 09:40

Tgt Ion:105 Resp: 188921
 Ion Ratio Lower Upper
 105 100
 120 45.0 36.2 54.2

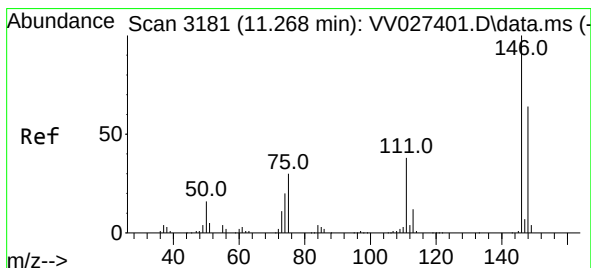
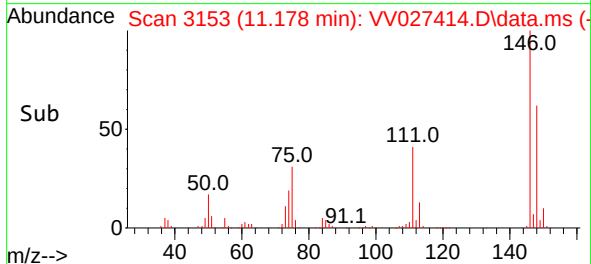
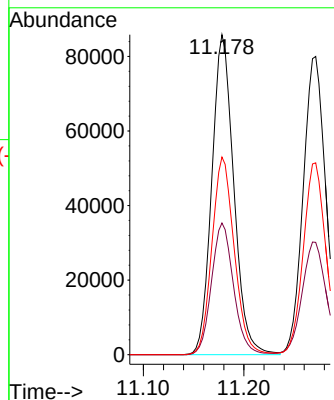
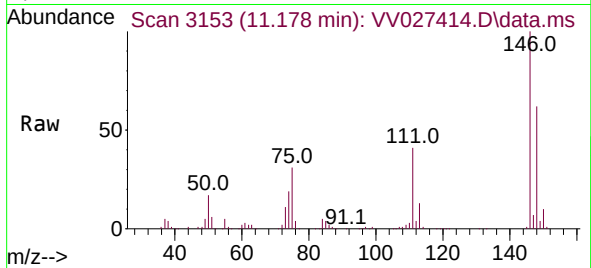




#64
1,3-Dichlorobenzene
Concen: 5.539 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

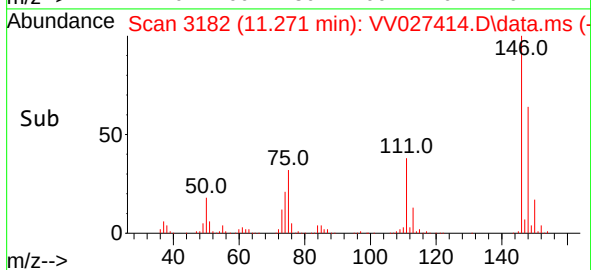
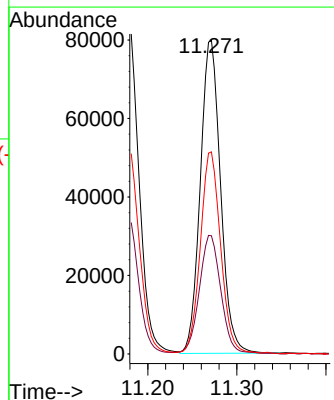
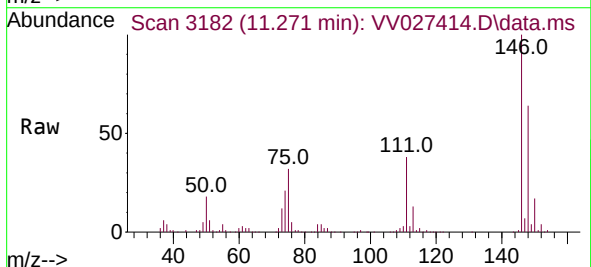
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

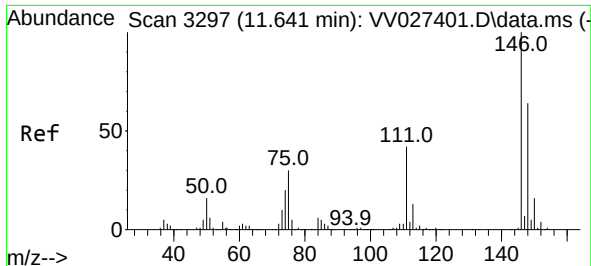
Tgt Ion:146 Resp: 130494
Ion Ratio Lower Upper
146 100
111 41.1 28.8 53.4
148 61.8 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 5.318 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion:146 Resp: 126057
Ion Ratio Lower Upper
146 100
111 37.7 27.4 51.0
148 64.4 43.3 80.5

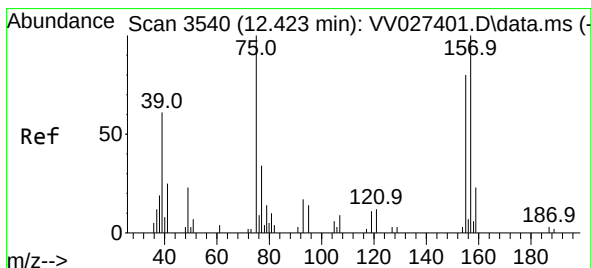
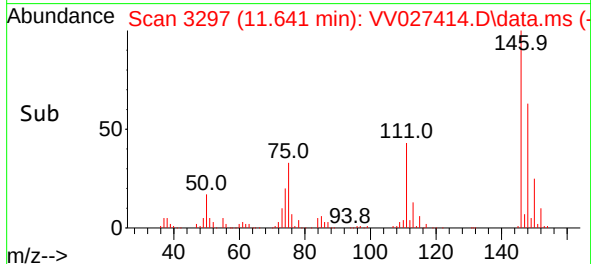
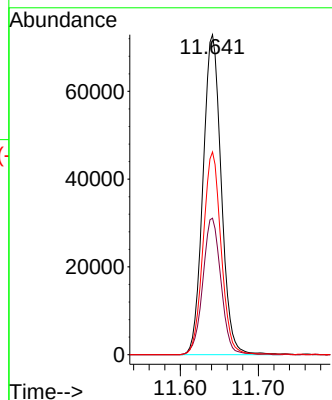
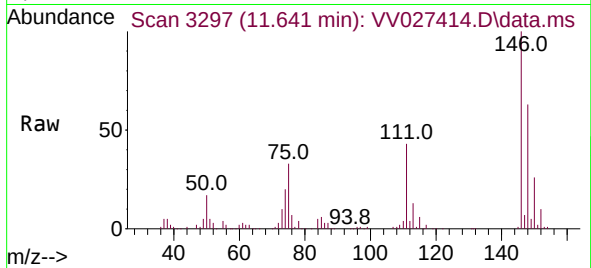




#67
1,2-Dichlorobenzene
Concen: 5.403 ug/L
RT: 11.641 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

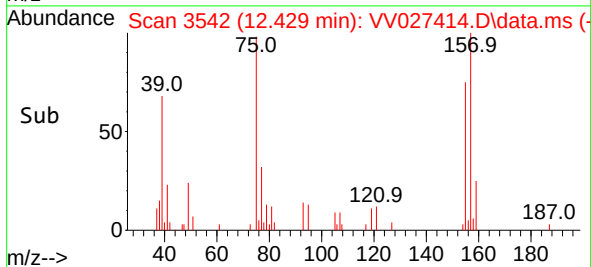
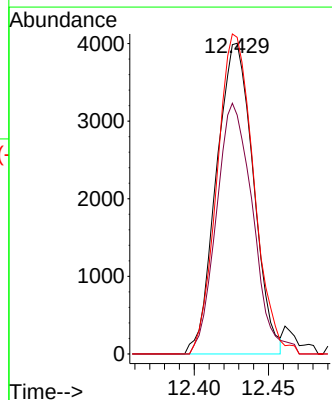
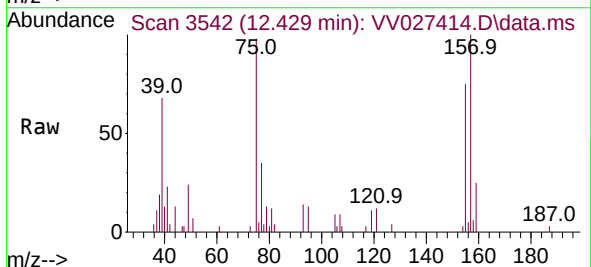
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

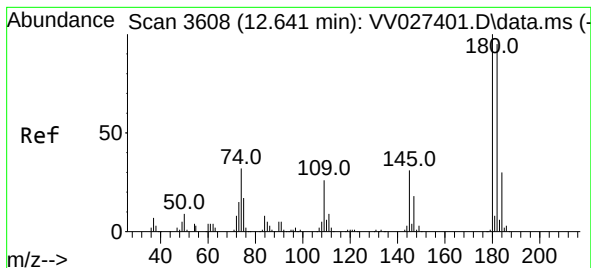
Tgt Ion:146 Resp: 118522
Ion Ratio Lower Upper
146 100
111 42.6 33.2 49.8
148 63.3 49.9 74.9



#68
1,2-Dibromo-3-chloropropane
Concen: 4.587 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV027414.D
Acq: 17 Aug 2022 09:40

Tgt Ion: 75 Resp: 6907
Ion Ratio Lower Upper
75 100
155 76.9 65.8 98.6
157 101.9 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 5.291 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

Tgt Ion:180 Resp: 89881

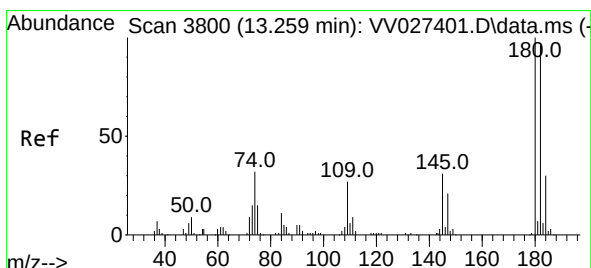
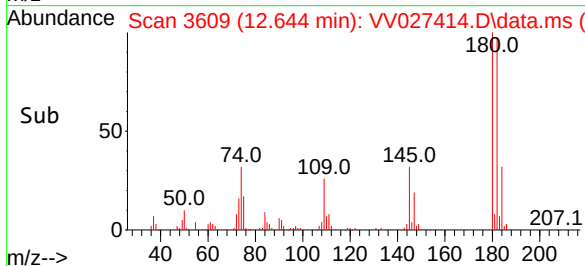
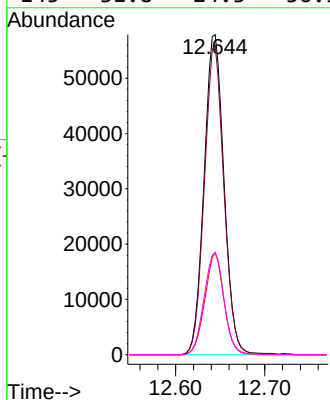
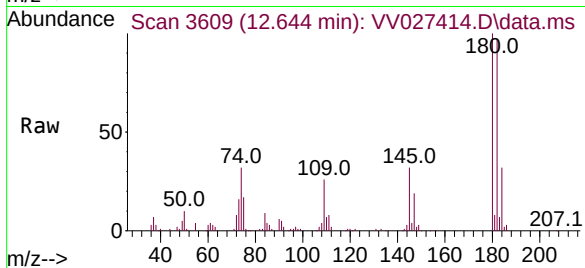
Ion Ratio Lower Upper

180 100

182 94.9 74.7 112.1

184 30.6 23.3 34.9

145 31.8 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 4.981 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

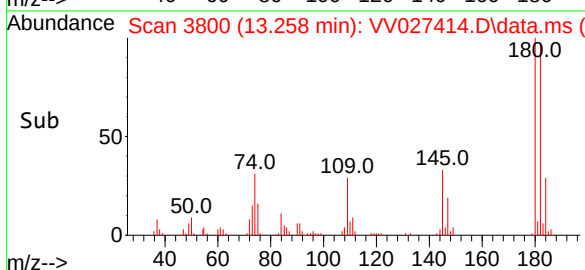
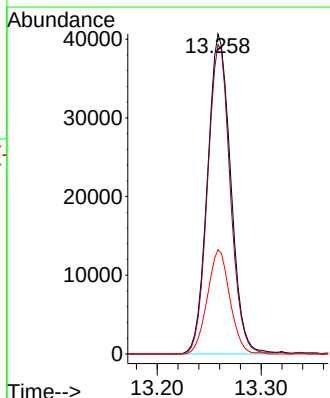
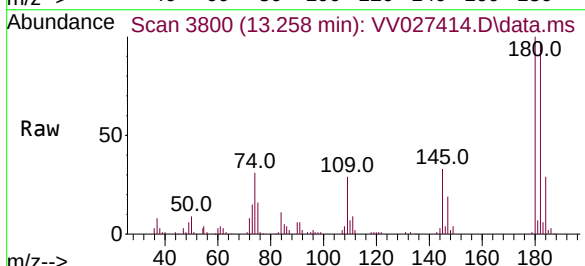
Tgt Ion:180 Resp: 63234

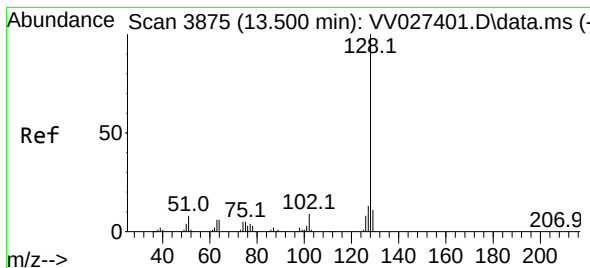
Ion Ratio Lower Upper

180 100

182 94.6 77.4 116.0

145 31.5 24.9 37.3





#71

Naphthalene

Concen: 4.105 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

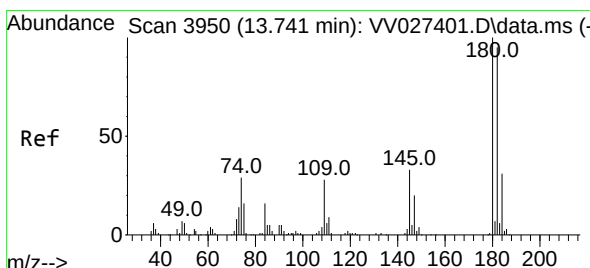
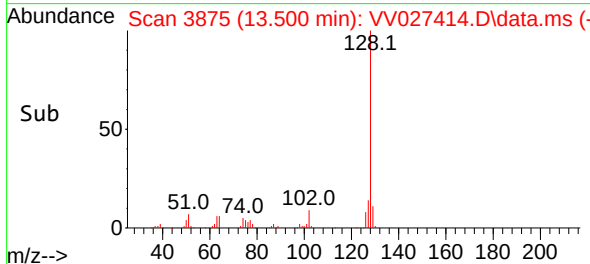
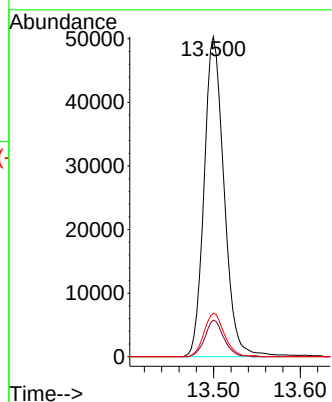
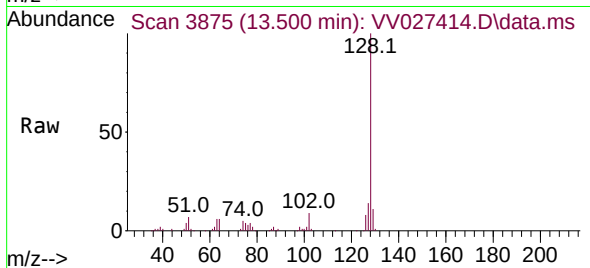
Tgt Ion:128 Resp: 80519

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 13.7 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 4.886 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027414.D

Acq: 17 Aug 2022 09:40

Tgt Ion:180 Resp: 57814

Ion Ratio Lower Upper

180 100

182 93.8 73.8 110.6

145 33.0 27.0 40.4

