

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072722\
 Data File : VW0727013.D
 Acq On : 27 Jul 2022 21:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050313

Quant Time: Jul 28 01:46:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 28 01:41:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	503330	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	507782	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	285420	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	162626	38.524	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.040%
7) Chloroethane-d5	1.564	69	144061	42.183	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.360%
11) 1,1-Dichloroethene-d2	2.105	63	317445	41.798	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.600%
21) 2-Butanone-d5	3.886	46	307680	108.130	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.130%
24) Chloroform-d	4.343	84	380774	45.832	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.660%
26) 1,2-Dichloroethane-d4	5.027	65	219695	46.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.460%
32) Benzene-d6	5.043	84	709377	46.216	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.440%
36) 1,2-Dichloropropane-d6	6.066	67	230369	46.572	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.140%
41) Toluene-d8	7.313	98	631343	47.010	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.020%
43) trans-1,3-Dichloroprop...	7.619	79	97139	46.867	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.740%
47) 2-Hexanone-d5	8.088	63	220879	102.554	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.550%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	383298	51.009	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.020%
66) 1,2-Dichlorobenzene-d4	11.622	152	256739	47.947	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	221045	42.511	ug/L	100
3) Chloromethane	1.240	50	226260	46.531	ug/L	99
5) Vinyl chloride	1.307	62	246251	47.640	ug/L	100
6) Bromomethane	1.519	94	158203	50.652	ug/L	98
8) Chloroethane	1.581	64	153437	50.517	ug/L	99
9) Trichlorofluoromethane	1.748	101	345406	48.486	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	194301	46.635	ug/L	99
12) 1,1-Dichloroethene	2.114	96	191738	49.268	ug/L	87
13) Acetone	2.179	43	223614	111.922	ug/L	98
14) Carbon disulfide	2.288	76	506261	45.594	ug/L	100
15) Methyl Acetate	2.429	43	238872	54.205	ug/L	99
16) Methylene chloride	2.500	84	254936	51.390	ug/L	98
17) trans-1,2-Dichloroethene	2.754	96	208621	50.733	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	657989	57.601	ug/L	100
19) 1,1-Dichloroethane	3.185	63	403659	53.300	ug/L	100
20) cis-1,2-Dichloroethene	3.905	96	237624	54.831	ug/L	100
22) 2-Butanone	3.970	43	332127	121.884	ug/L	100
23) Bromochloromethane	4.243	128	133083	53.629	ug/L	95
25) Chloroform	4.368	83	430137	53.253	ug/L	98

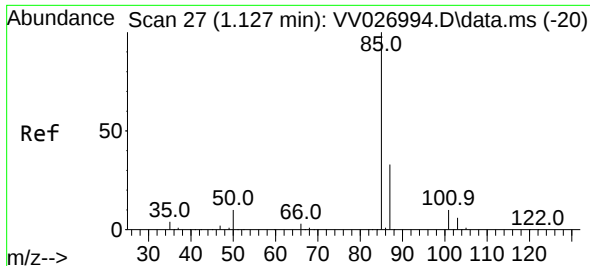
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 Data File : VV027013.D
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 QLast Update : Thu Jul 28 01:41:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	302058	52.995	ug/L	99
29) Cyclohexane	4.674	56	271522	51.135	ug/L	99
30) 1,1,1-Trichloroethane	4.603	97	360820	53.782	ug/L	99
31) Carbon tetrachloride	4.822	117	302214	51.448	ug/L	99
33) Benzene	5.095	78	918187	56.228	ug/L	100
34) Trichloroethene	5.912	95	218402	52.046	ug/L	98
35) Methylcyclohexane	6.127	83	301548	48.534	ug/L	100
37) 1,2-Dichloropropane	6.169	63	245000	57.646	ug/L	100
38) Bromodichloromethane	6.506	83	311150	54.012	ug/L	100
39) cis-1,3-Dichloropropene	7.024	75	315067	53.415	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	622926	123.161	ug/L	98
42) Toluene	7.384	91	962869	57.768	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	310118	53.314	ug/L	99
45) 1,1,2-Trichloroethane	7.838	97	257550	56.903	ug/L	97
46) Tetrachloroethene	7.973	164	168948	51.612	ug/L	96
48) 2-Hexanone	8.137	43	494446	125.606	ug/L	97
49) Dibromochloromethane	8.243	129	261185	55.211	ug/L	99
50) 1,2-Dibromoethane	8.349	107	258784	55.885	ug/L	99
51) Chlorobenzene	8.879	112	620759	53.430	ug/L	99
52) Ethylbenzene	9.011	91	965318	55.795	ug/L	100
53) m,p-Xylene	9.137	106	385991	56.978	ug/L	97
54) o-Xylene	9.542	106	377886	57.918	ug/L	99
55) Styrene	9.558	104	697066	60.495	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	413103	56.542	ug/L	99
59) Bromoform	9.728	173	175585	55.063	ug/L	99
60) Isopropylbenzene	9.931	105	967246	57.344	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	319243	55.741	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	778992	56.825	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	803983	58.470	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	466869	54.174	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	480783	52.650	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	492600	55.712	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	82072	53.636	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	303626	49.766	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	253729	49.359	ug/L	100
71) Naphthalene	13.500	128	885616	54.786	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	291548	54.372	ug/L	99

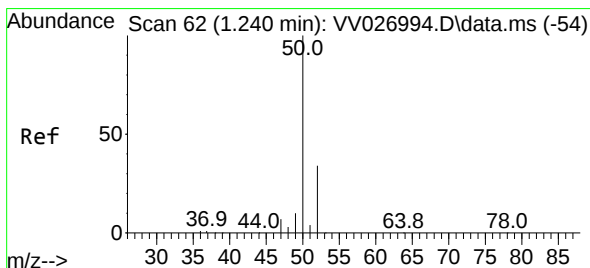
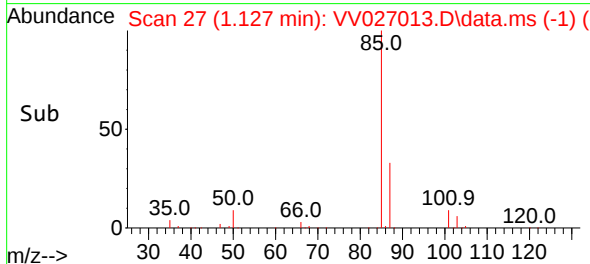
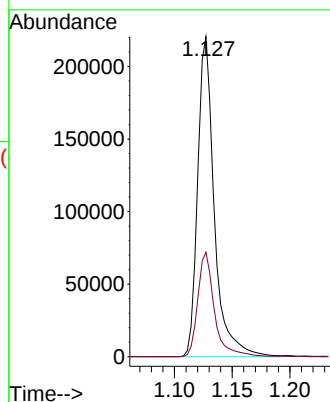
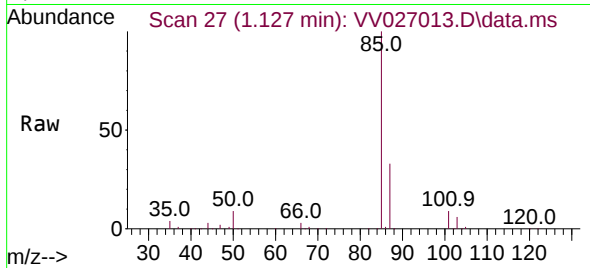
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#2
 Dichlorodifluoromethane
 Concen: 42.511 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV027013.D
 Acq: 27 Jul 2022 21:04

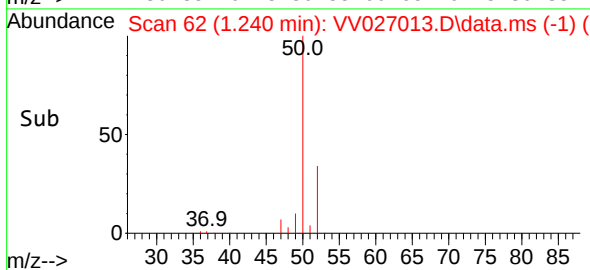
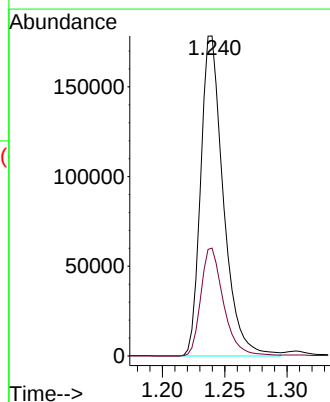
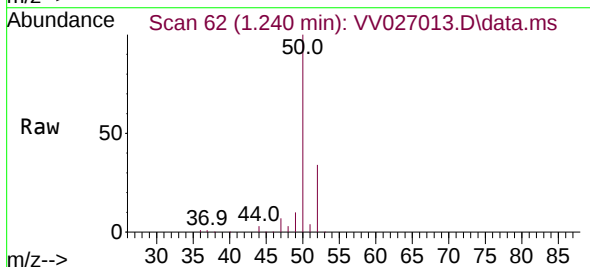
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050313

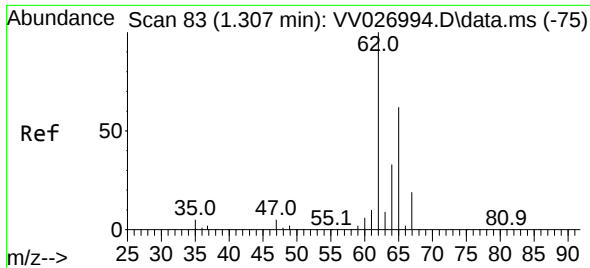
Tgt Ion: 85 Resp: 221045
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.1 39.1



#3
 Chloromethane
 Concen: 46.531 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV027013.D
 Acq: 27 Jul 2022 21:04

Tgt Ion: 50 Resp: 226260
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.1 42.9

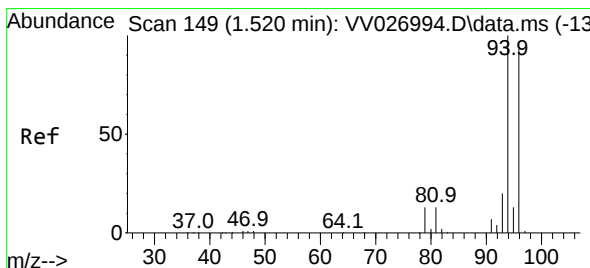
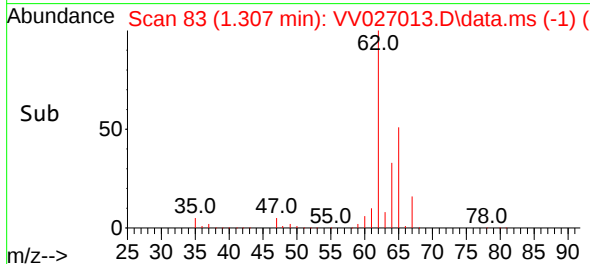
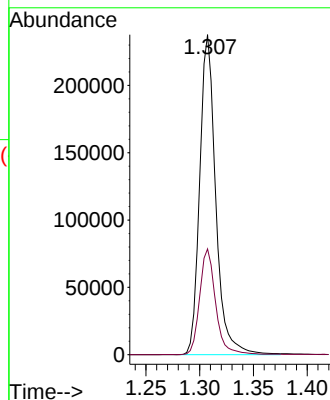
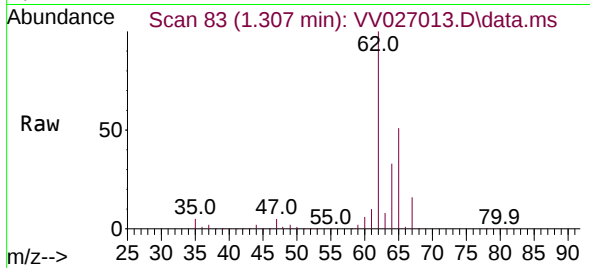




#5
 Vinyl chloride
 Concen: 47.640 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV027013.D
 Acq: 27 Jul 2022 21:04

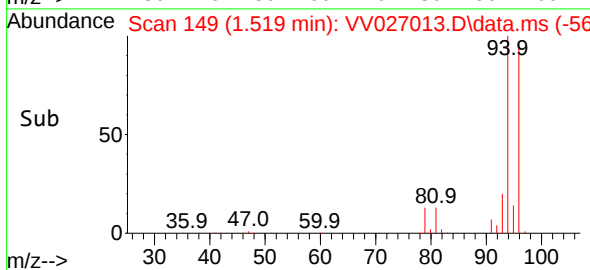
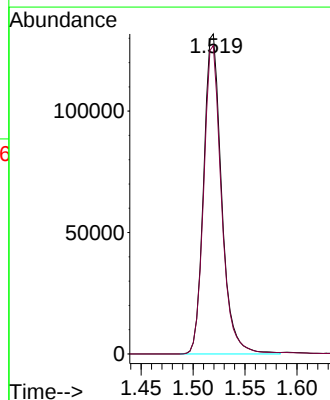
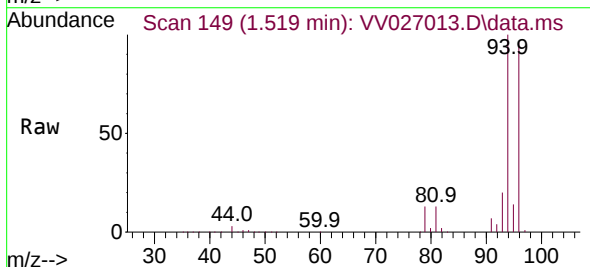
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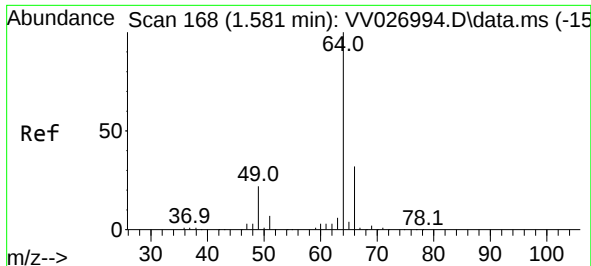
Tgt Ion: 62 Resp: 246251
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.0 42.6



#6
 Bromomethane
 Concen: 50.652 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV027013.D
 Acq: 27 Jul 2022 21:04

Tgt Ion: 94 Resp: 158203
 Ion Ratio Lower Upper
 94 100
 96 96.4 65.8 122.2

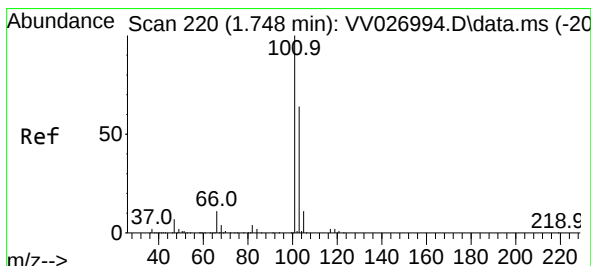
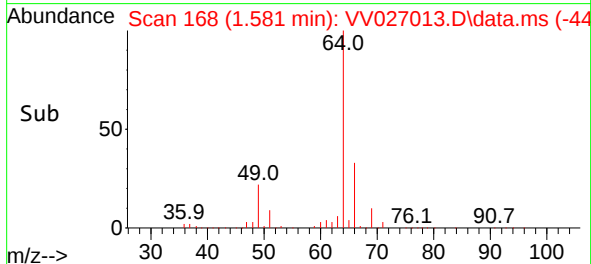
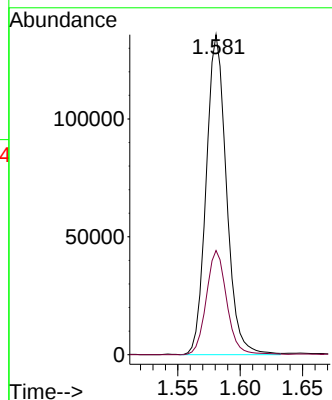
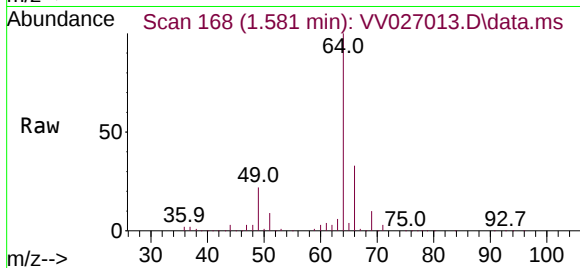




#8
Chloroethane
Concen: 50.517 ug/L
RT: 1.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

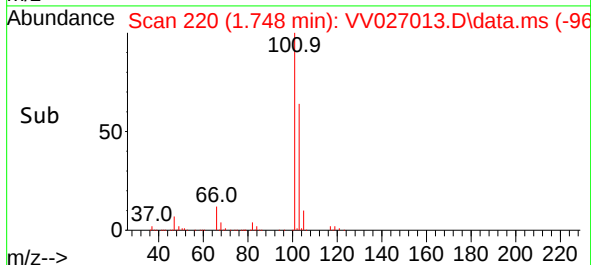
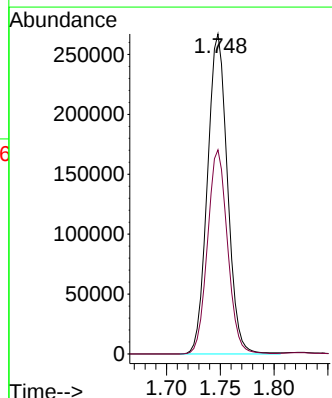
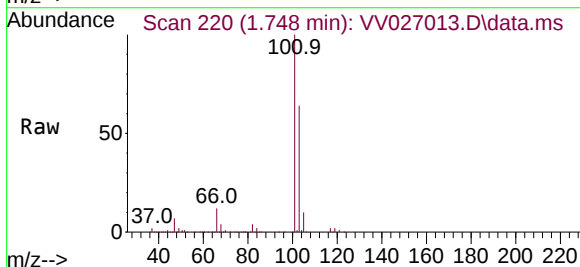
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ClientSampleId :
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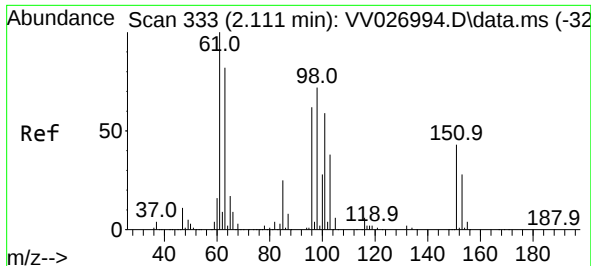
Tgt Ion: 64 Resp: 153437
Ion Ratio Lower Upper
64 100
66 32.6 23.2 43.0



#9
Trichlorofluoromethane
Concen: 48.486 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion:101 Resp: 345406
Ion Ratio Lower Upper
101 100
103 63.6 51.8 77.8

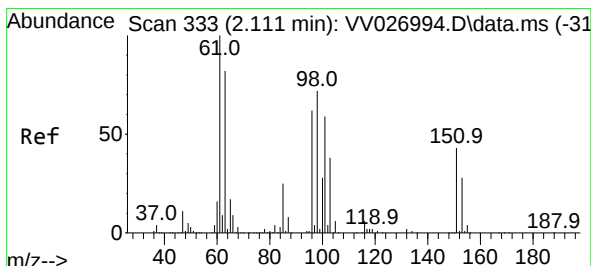
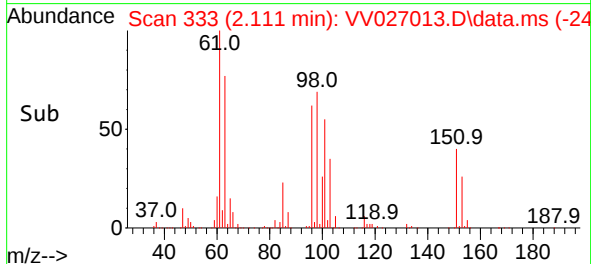
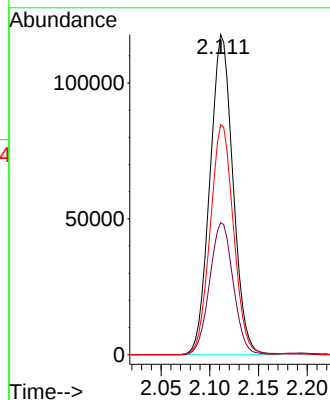
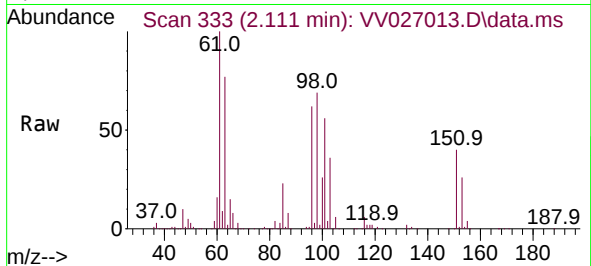




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.635 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.000 min
 Lab File: VV027013.D
 Acq: 27 Jul 2022 21:04

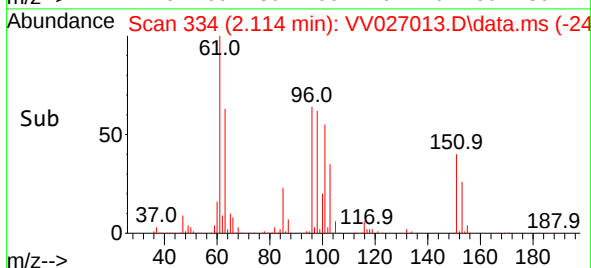
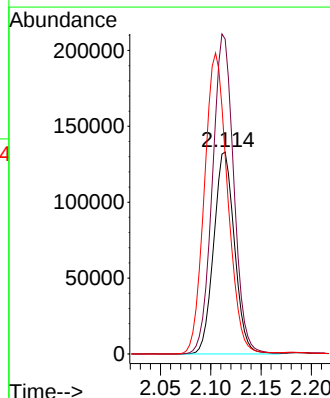
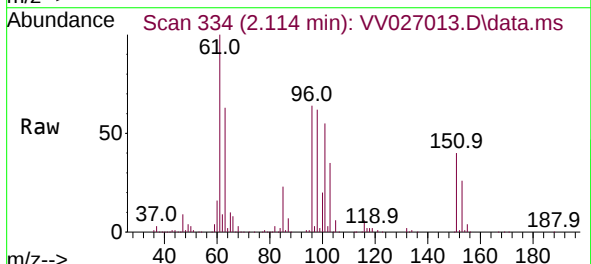
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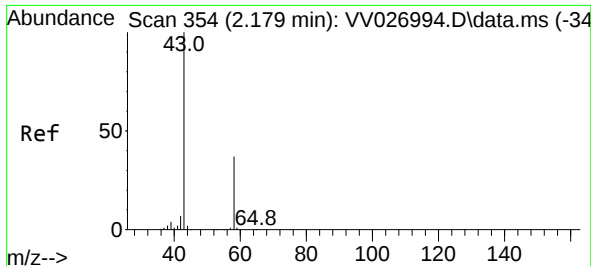
Tgt Ion:101 Resp: 194301
 Ion Ratio Lower Upper
 101 100
 85 42.1 33.1 49.7
 151 72.7 57.1 85.7



#12
 1,1-Dichloroethene
 Concen: 49.268 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.003 min
 Lab File: VV027013.D
 Acq: 27 Jul 2022 21:04

Tgt Ion: 96 Resp: 191738
 Ion Ratio Lower Upper
 96 100
 61 155.9 114.2 212.0
 63 98.4 87.0 161.6





#13

Acetone

Concen: 111.922 ug/L

RT: 2.179 min Scan# 354

Delta R.T. -0.000 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

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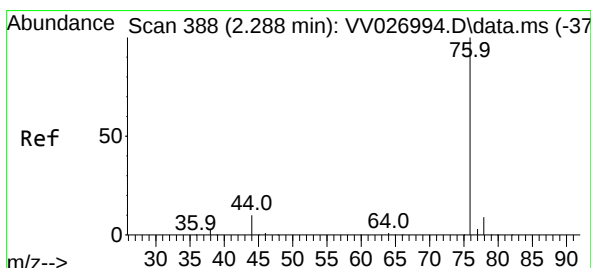
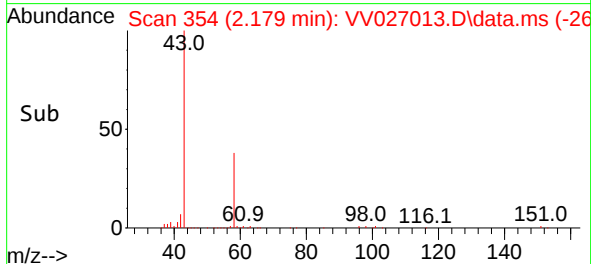
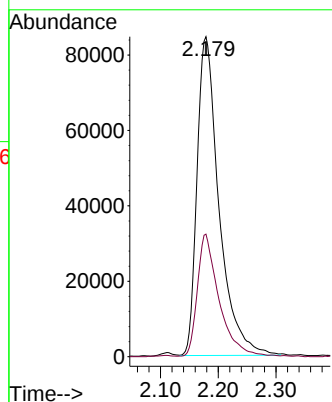
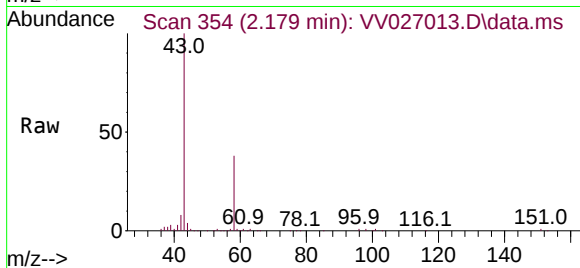
VSTD050313

Tgt Ion: 43 Resp: 223614

Ion Ratio Lower Upper

43 100

58 37.4 0.0 72.6



#14

Carbon disulfide

Concen: 45.594 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

Lab File: VV027013.D

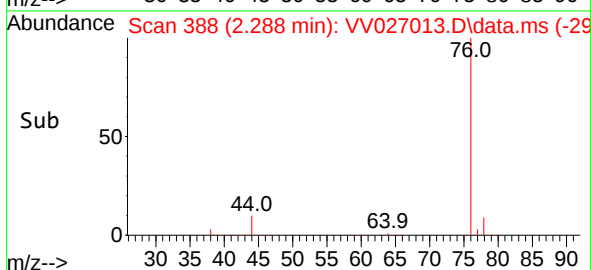
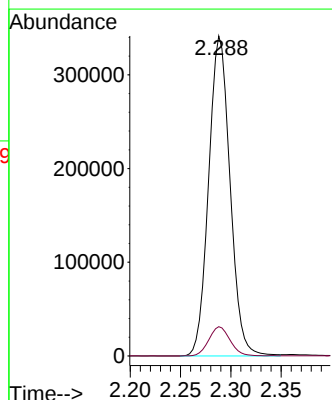
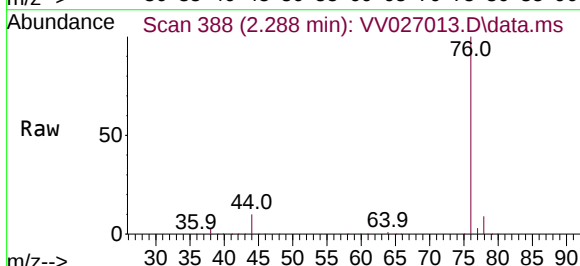
Acq: 27 Jul 2022 21:04

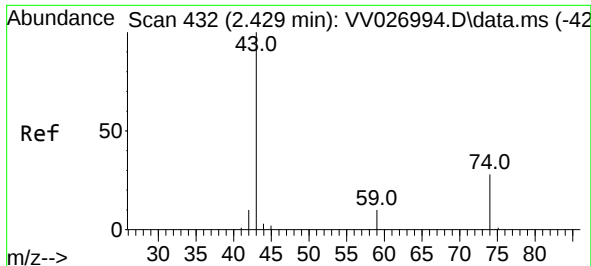
Tgt Ion: 76 Resp: 506261

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

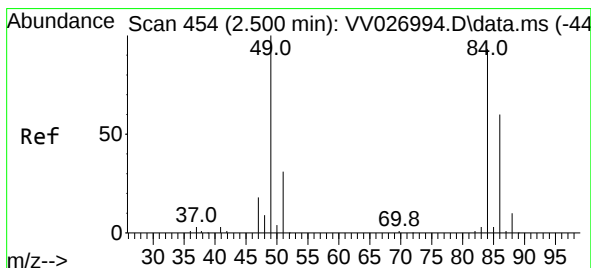
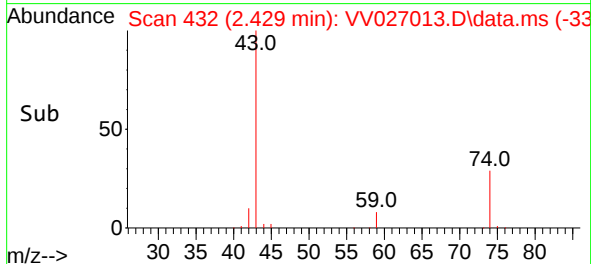
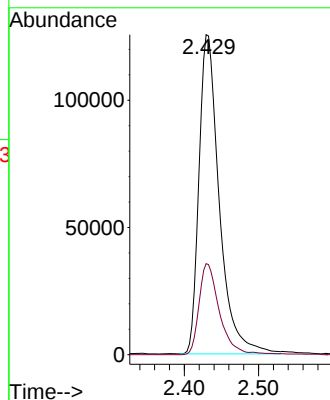
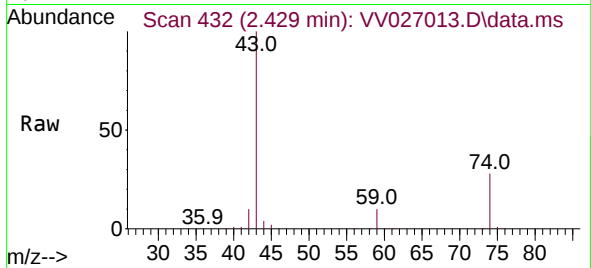




#15
Methyl Acetate
Concen: 54.205 ug/L
RT: 2.429 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

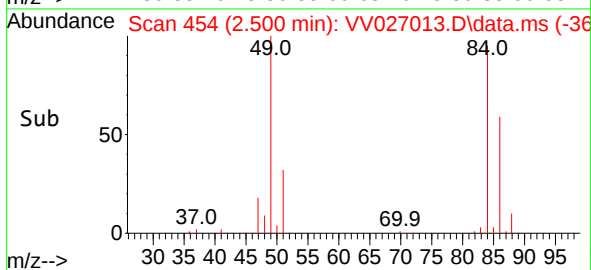
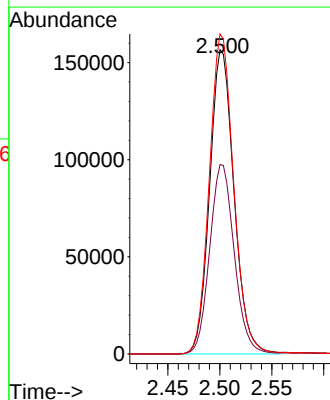
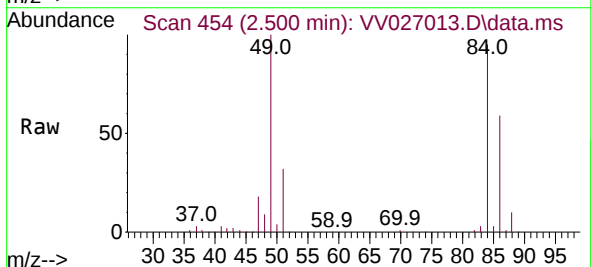
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

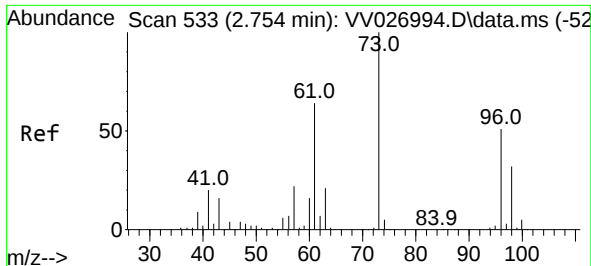
Tgt Ion: 43 Resp: 238872
Ion Ratio Lower Upper
43 100
74 28.0 22.1 33.1



#16
Methylene chloride
Concen: 51.390 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 84 Resp: 254936
Ion Ratio Lower Upper
84 100
86 62.2 44.5 82.7
49 105.1 75.0 139.2

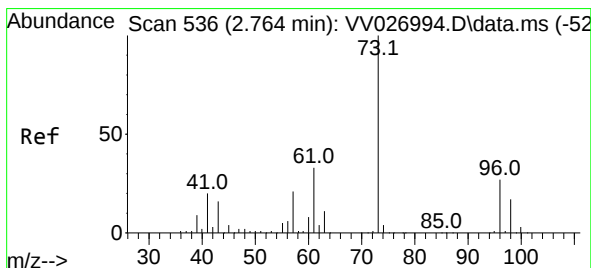
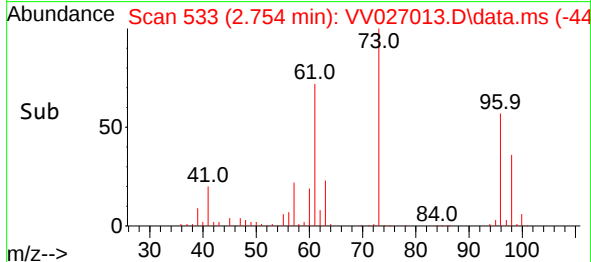
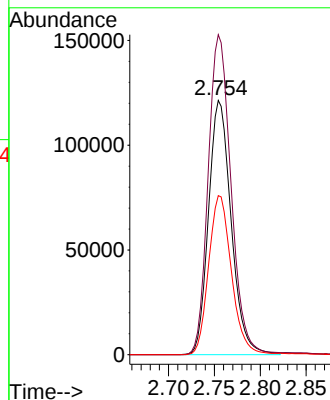
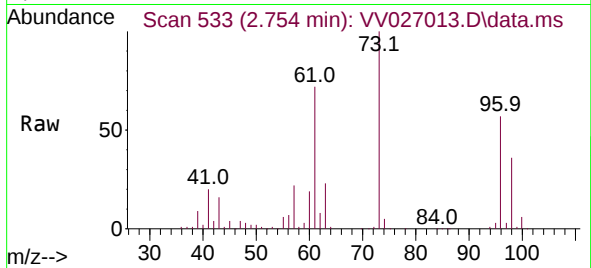




#17
trans-1,2-Dichloroethene
Concen: 50.733 ug/L
RT: 2.754 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

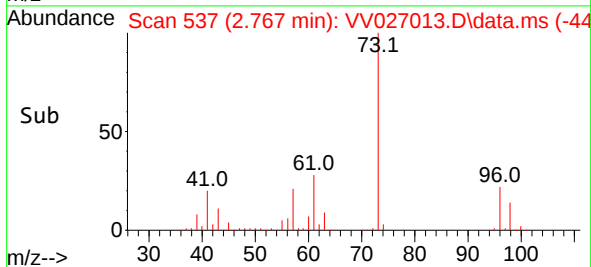
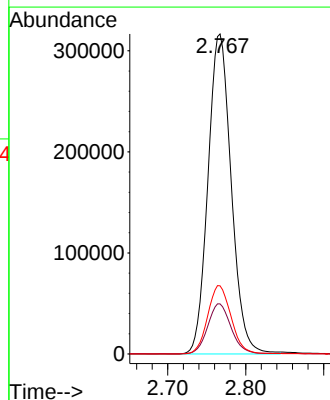
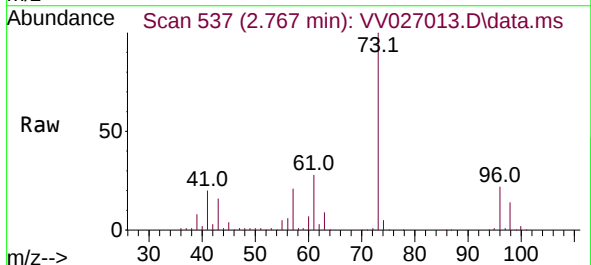
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

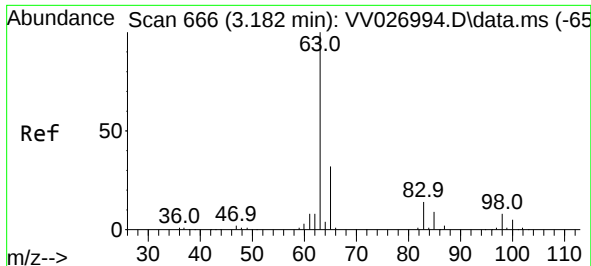
Tgt Ion: 96 Resp: 208621
Ion Ratio Lower Upper
96 100
61 125.8 89.2 165.6
98 62.5 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 57.601 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 73 Resp: 657989
Ion Ratio Lower Upper
73 100
43 15.6 12.8 19.2
57 21.5 17.3 25.9





#19

1,1-Dichloroethane

Concen: 53.300 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050313

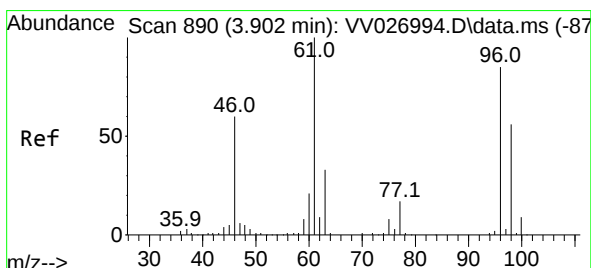
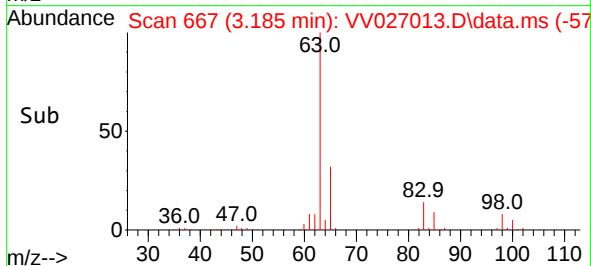
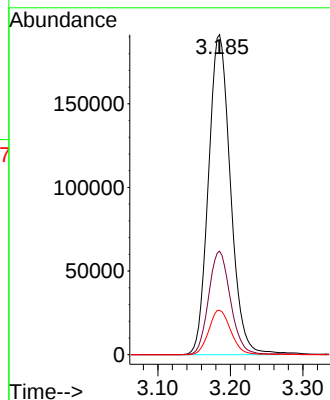
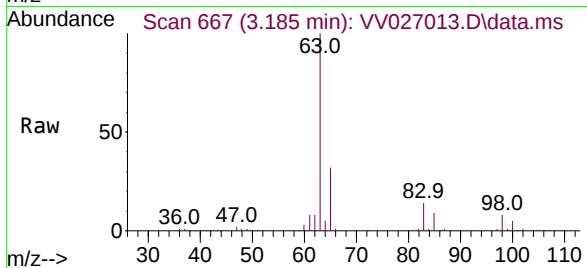
Tgt Ion: 63 Resp: 403659

Ion Ratio Lower Upper

63 100

65 32.4 22.6 42.0

83 13.9 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 54.831 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

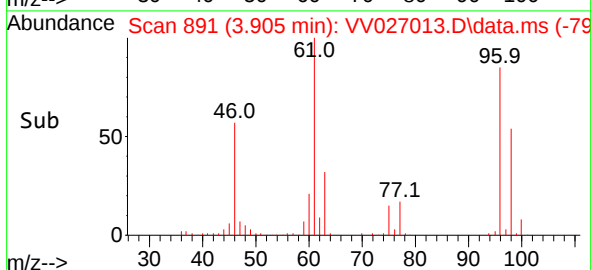
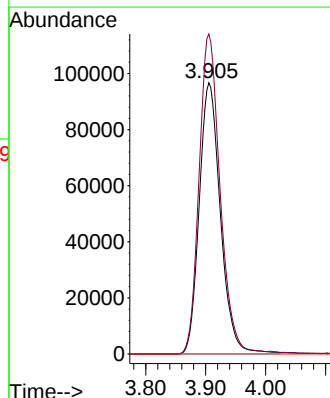
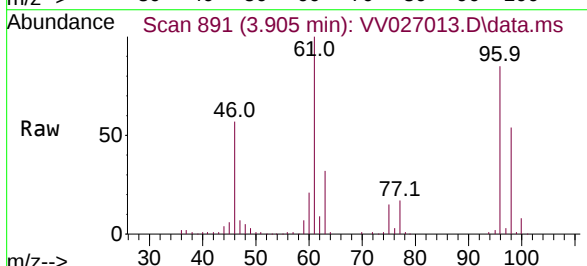
Tgt Ion: 96 Resp: 237624

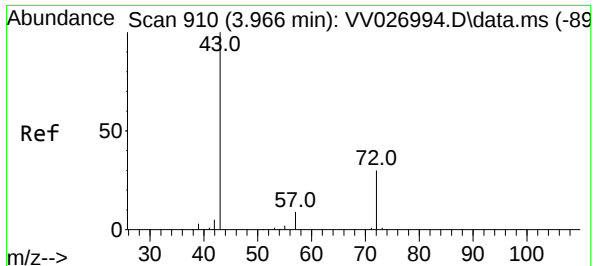
Ion Ratio Lower Upper

96 100

61 118.0 83.0 154.1

68 0.0 0.0 0.0

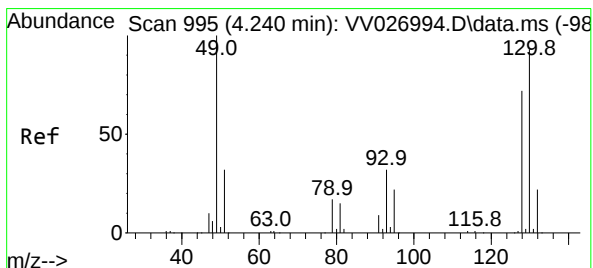
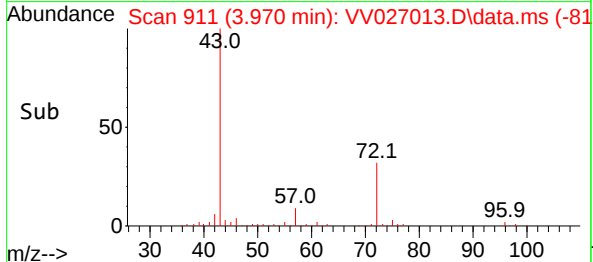
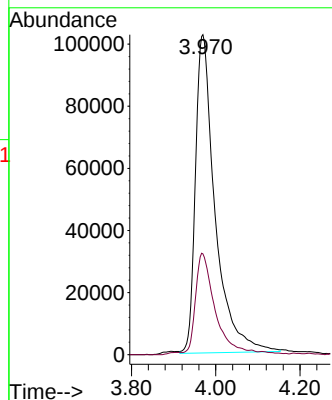
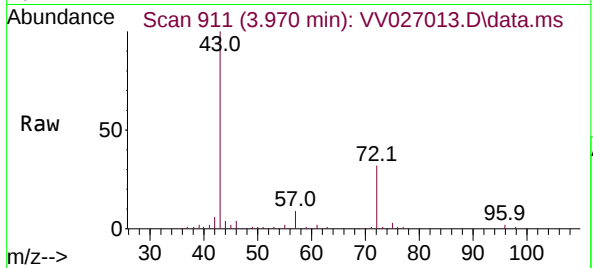




#22
2-Butanone
Concen: 121.884 ug/L
RT: 3.970 min Scan# 911
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

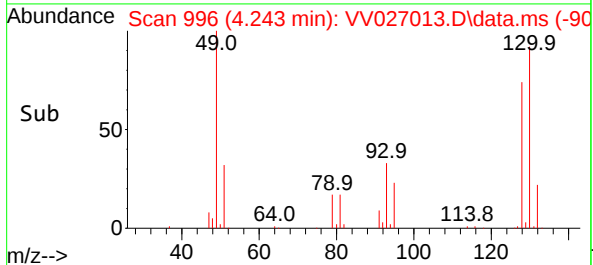
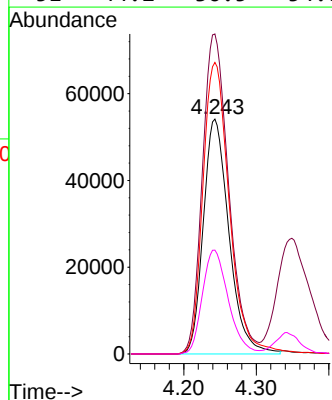
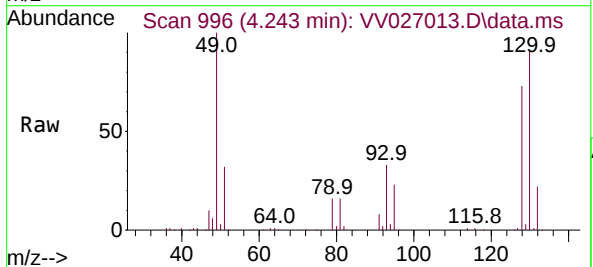
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

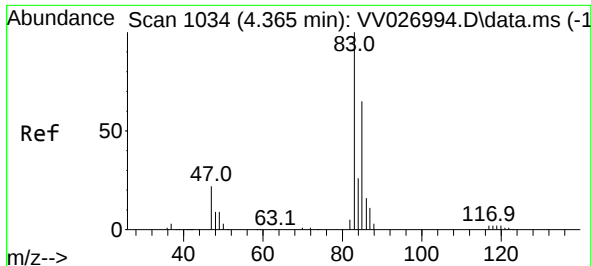
Tgt Ion: 43 Resp: 332127
Ion Ratio Lower Upper
43 100
72 29.7 14.9 44.5



#23
Bromochloromethane
Concen: 53.629 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 128 Resp: 133083
Ion Ratio Lower Upper
128 100
49 136.3 101.0 187.6
130 124.1 90.0 167.2
51 44.2 36.5 54.7

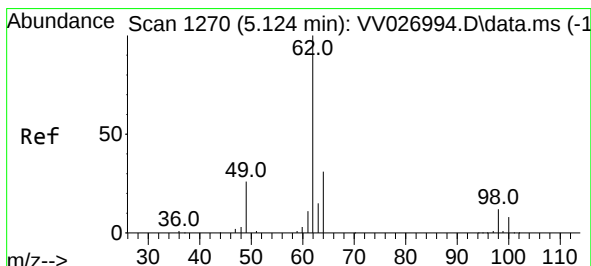
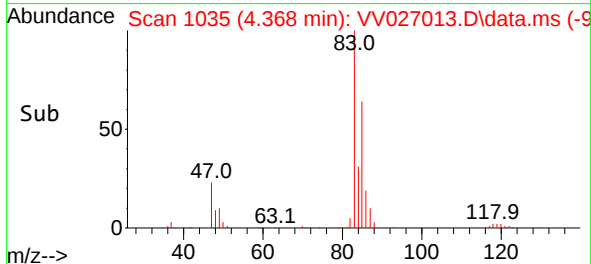
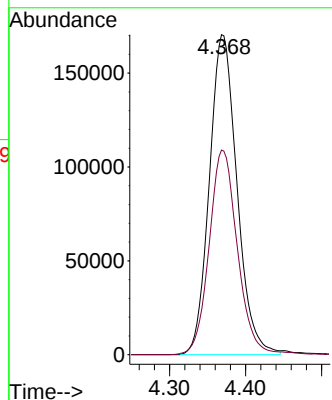
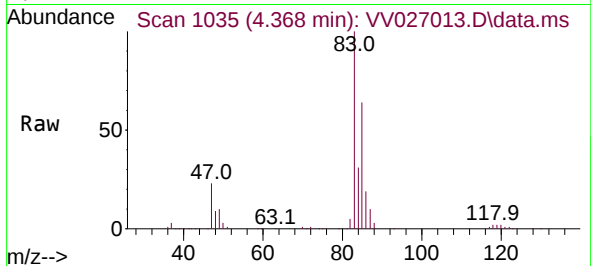




#25
Chloroform
Concen: 53.253 ug/L
RT: 4.368 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

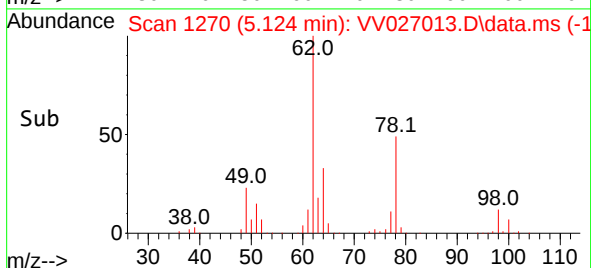
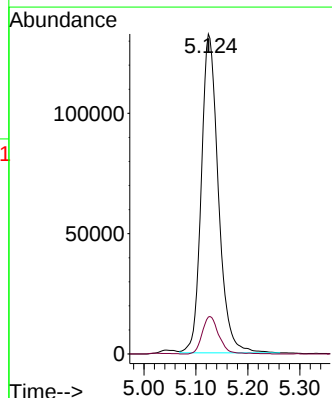
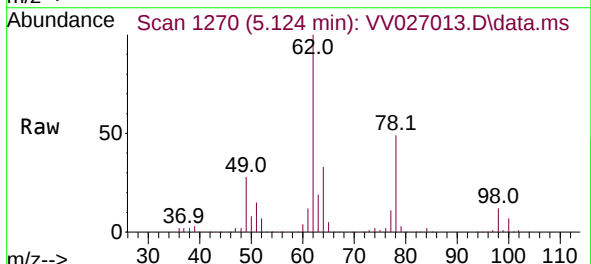
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

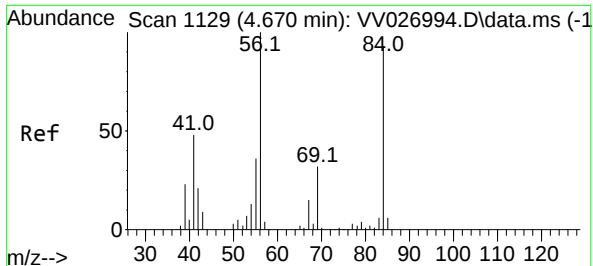
Tgt Ion: 83 Resp: 430137
Ion Ratio Lower Upper
83 100
85 63.9 45.8 85.0



#27
1,2-Dichloroethane
Concen: 52.995 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 62 Resp: 302058
Ion Ratio Lower Upper
62 100
98 11.5 8.9 13.3





#29

Cyclohexane

Concen: 51.135 ug/L

RT: 4.674 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050313

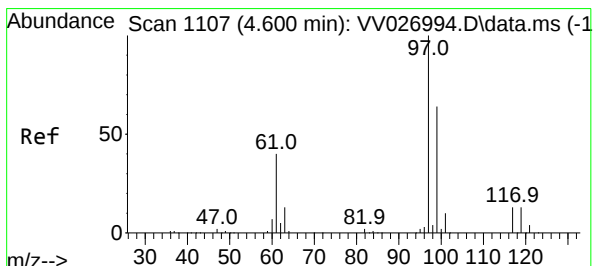
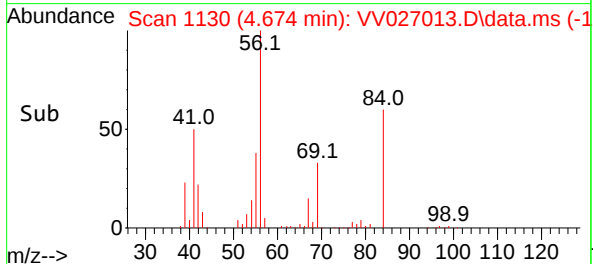
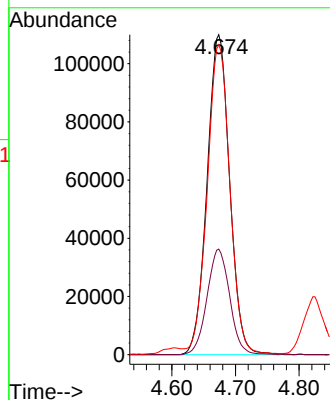
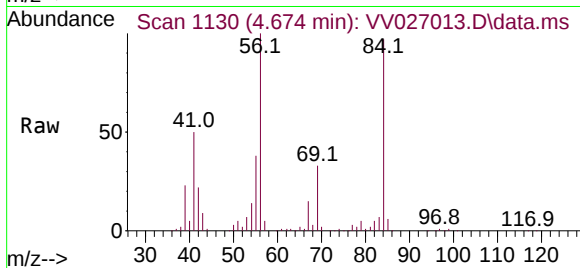
Tgt Ion: 56 Resp: 271522

Ion Ratio Lower Upper

56 100

69 32.9 25.7 38.5

84 95.7 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 53.782 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

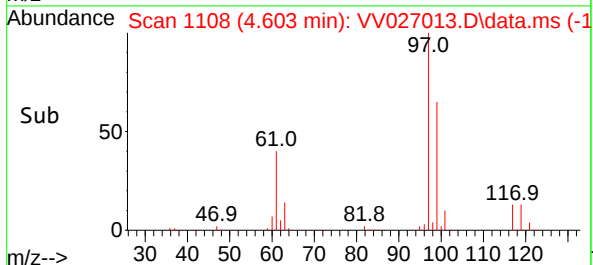
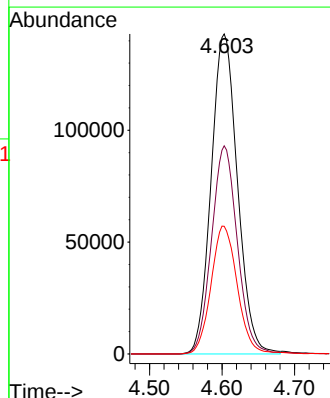
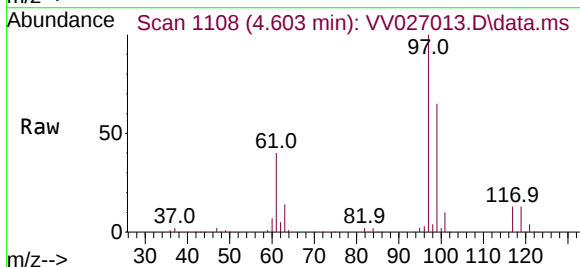
Tgt Ion: 97 Resp: 360820

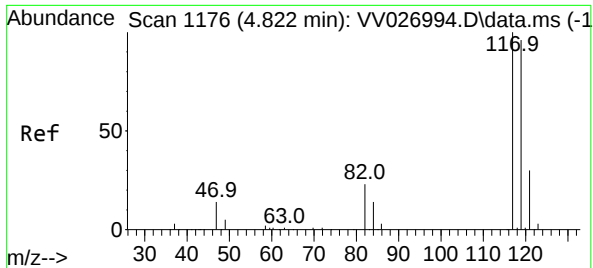
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 39.6 33.1 49.7

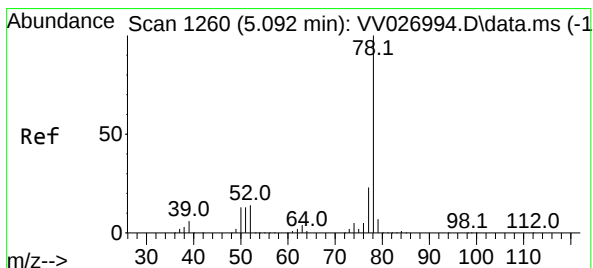
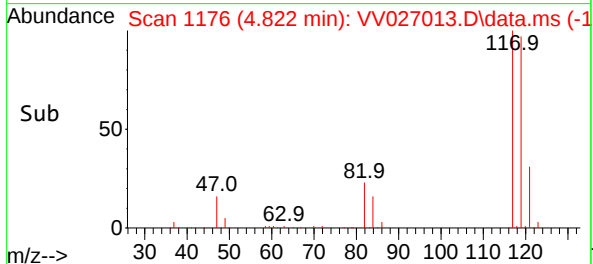
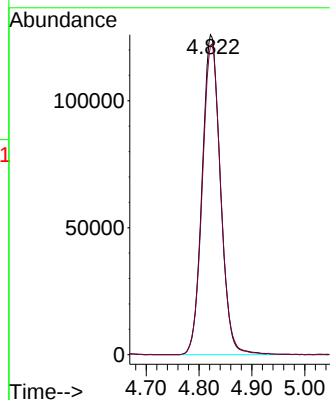
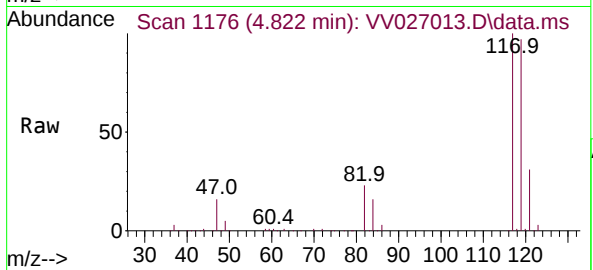




#31
Carbon tetrachloride
Concen: 51.448 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

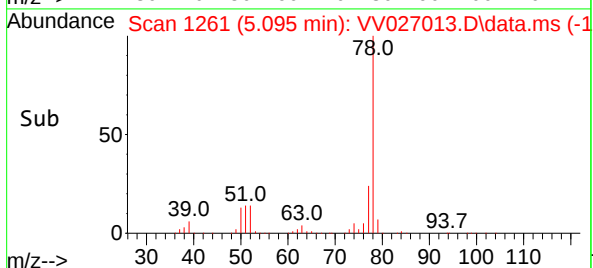
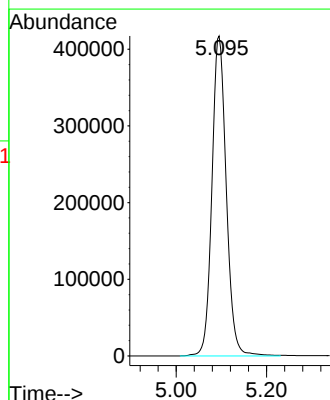
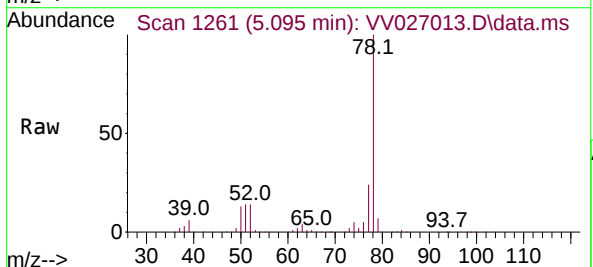
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

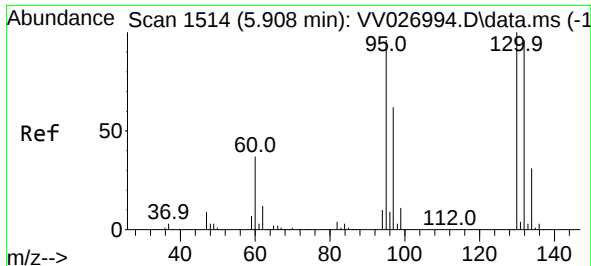
Tgt Ion:117 Resp: 302214
Ion Ratio Lower Upper
117 100
119 97.9 77.3 115.9



#33
Benzene
Concen: 56.228 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 78 Resp: 918187

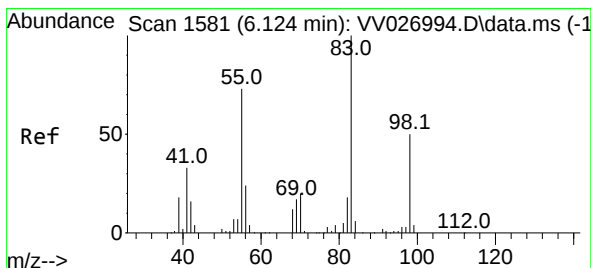
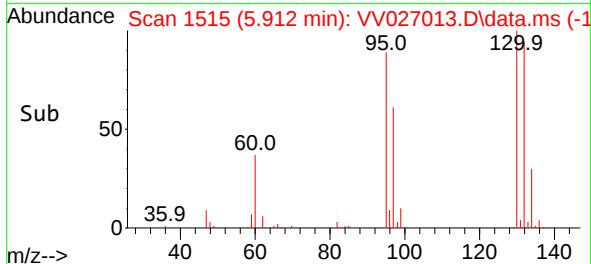
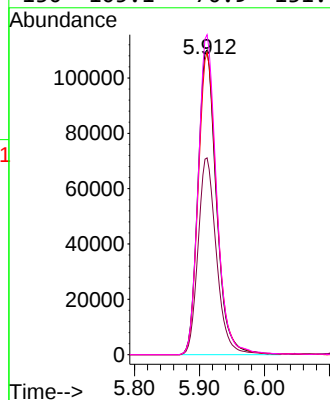
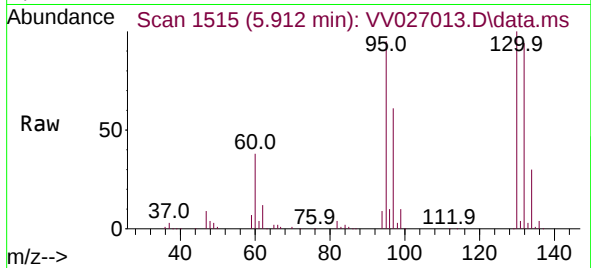




#34
Trichloroethene
Concen: 52.046 ug/L
RT: 5.912 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

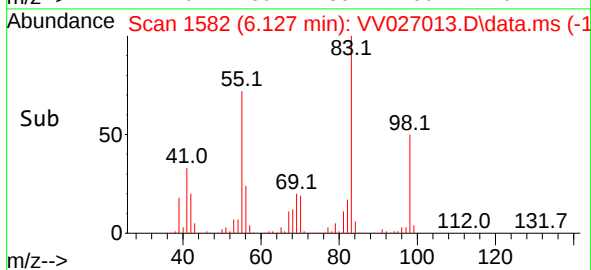
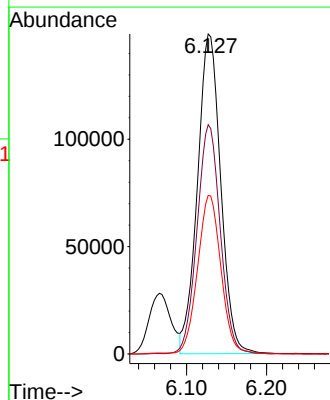
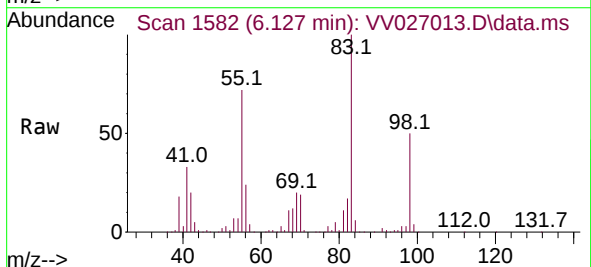
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

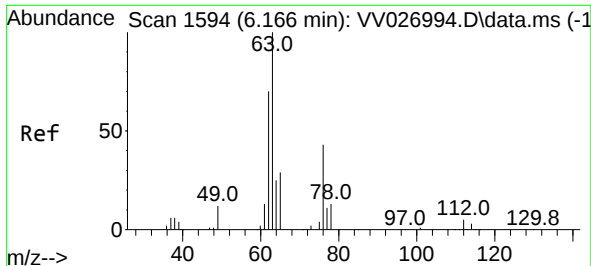
Tgt Ion: 95 Resp: 218402
Ion Ratio Lower Upper
95 100
97 64.6 45.9 85.3
132 99.2 68.1 126.5
130 105.1 70.9 131.7



#35
Methylcyclohexane
Concen: 48.534 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 83 Resp: 301548
Ion Ratio Lower Upper
83 100
55 71.9 57.4 86.2
98 49.8 39.4 59.0





#37

1,2-Dichloropropane

Concen: 57.646 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

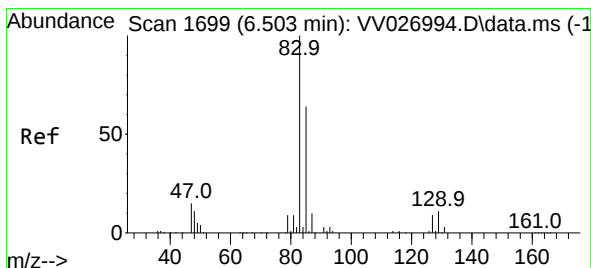
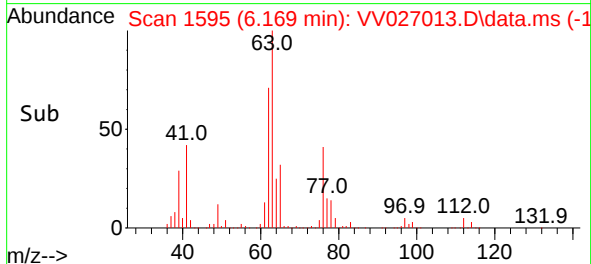
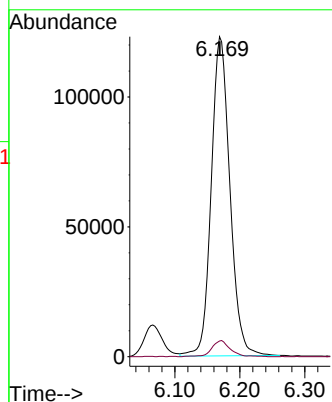
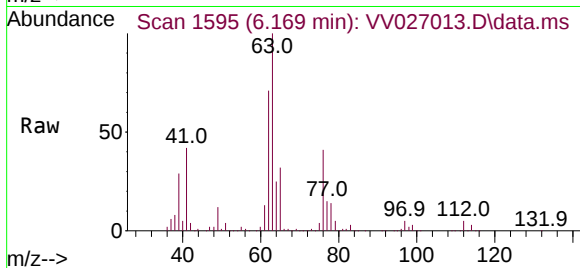
VSTD050313

Tgt Ion: 63 Resp: 245000

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 54.012 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

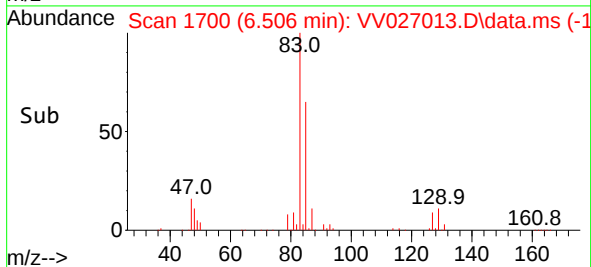
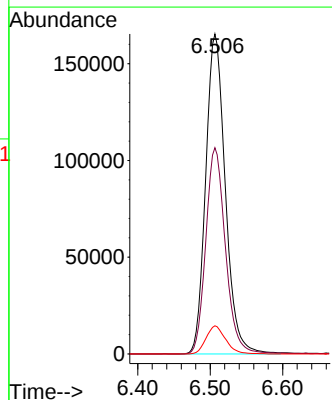
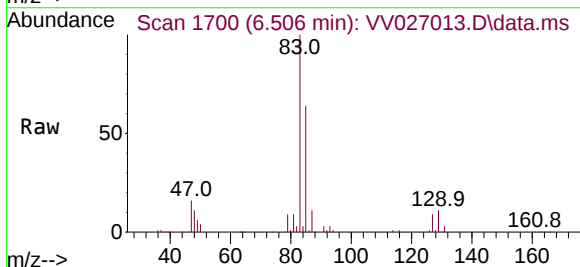
Tgt Ion: 83 Resp: 311150

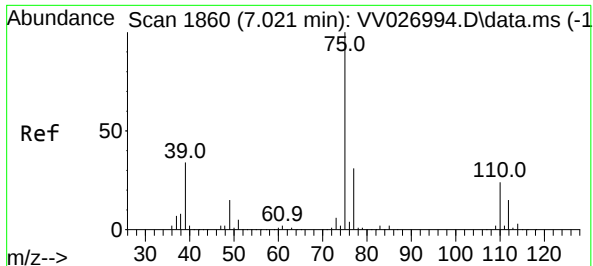
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9

127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 53.415 ug/L

RT: 7.024 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

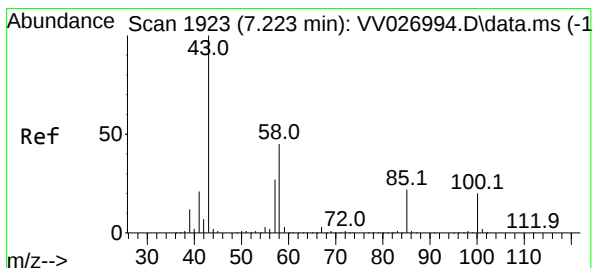
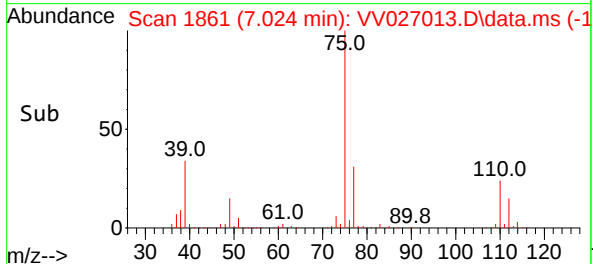
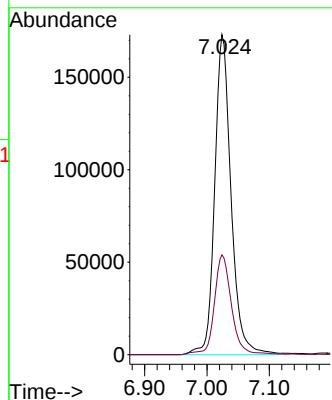
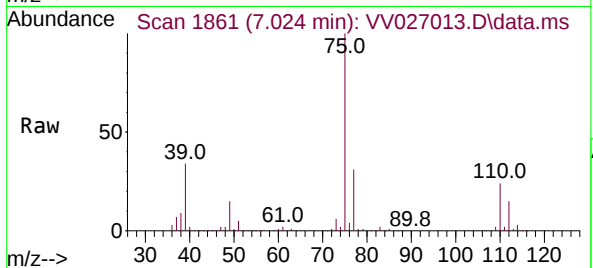
VSTD050313

Tgt Ion: 75 Resp: 315067

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 123.161 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

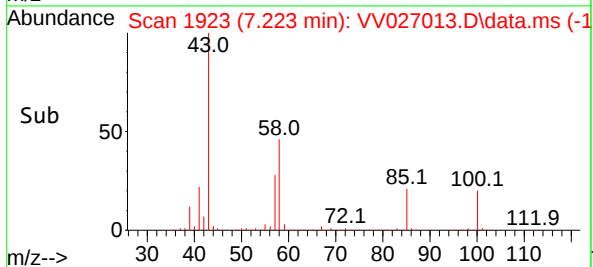
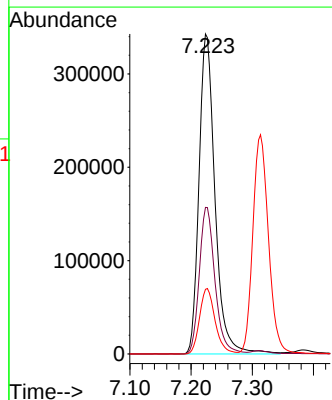
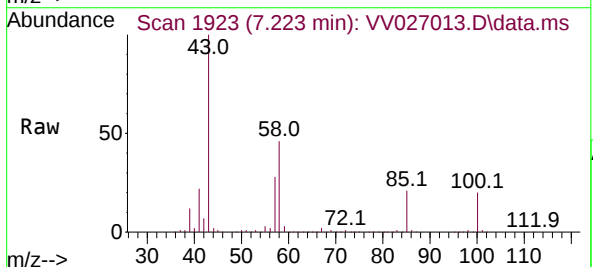
Tgt Ion: 43 Resp: 622926

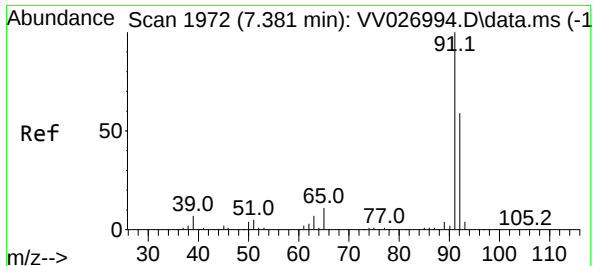
Ion Ratio Lower Upper

43 100

58 45.0 35.0 52.6

100 19.9 15.4 23.0





#42

Toluene

Concen: 57.768 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

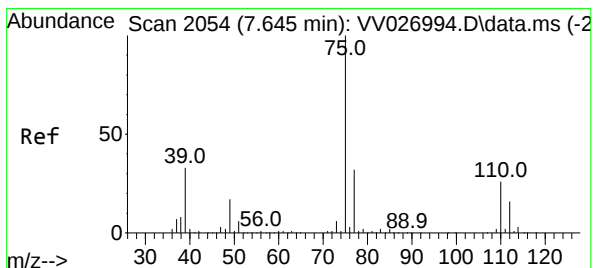
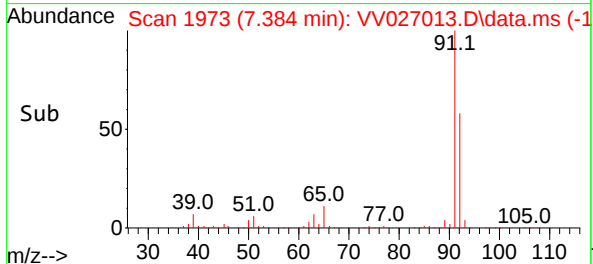
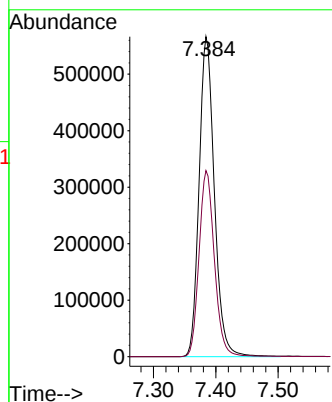
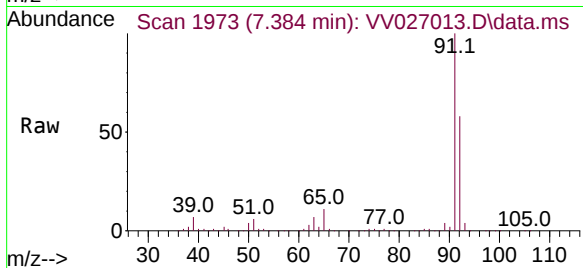
VSTD050313

Tgt Ion: 91 Resp: 962869

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 53.314 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.003 min

Lab File: VV027013.D

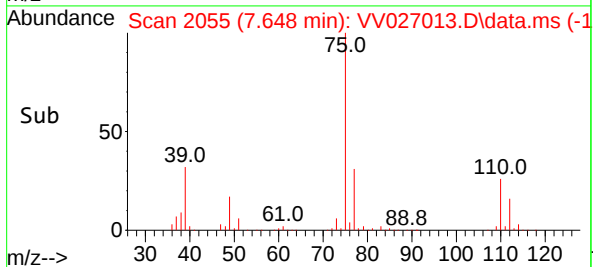
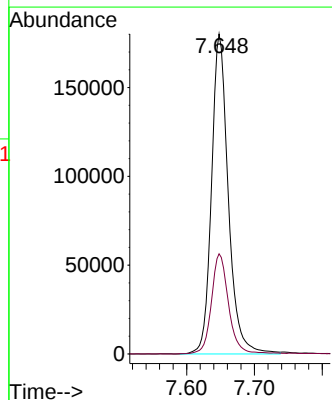
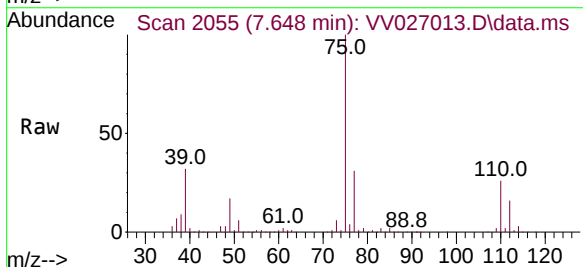
Acq: 27 Jul 2022 21:04

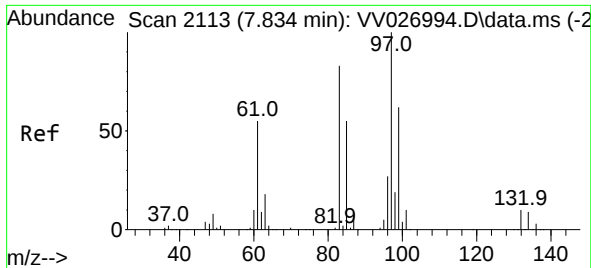
Tgt Ion: 75 Resp: 310118

Ion Ratio Lower Upper

75 100

77 31.3 21.3 39.6

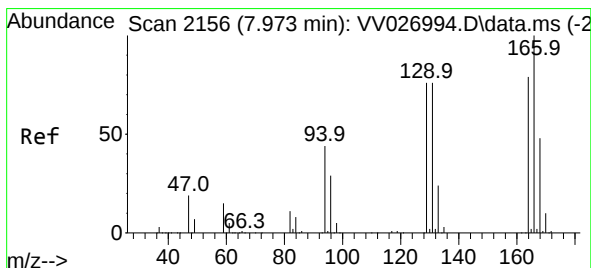
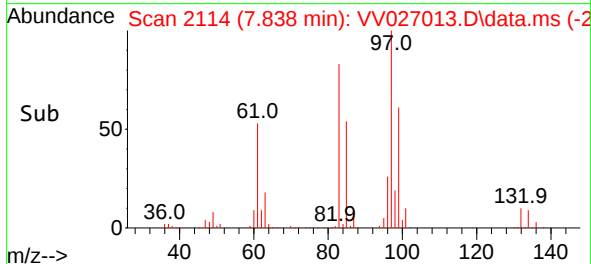
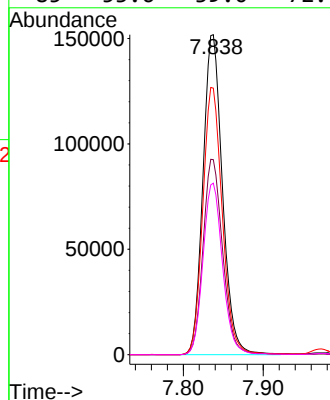
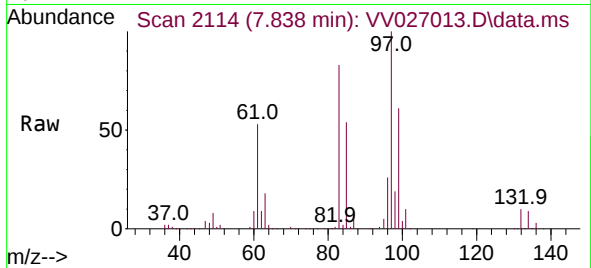




#45
1,1,2-Trichloroethane
Concen: 56.903 ug/L
RT: 7.838 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

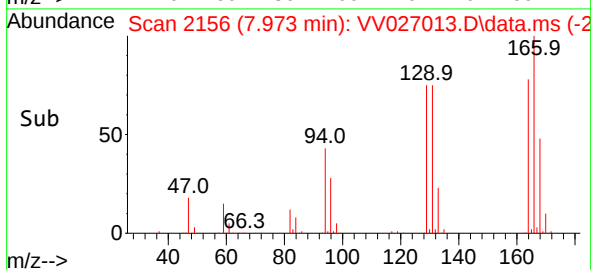
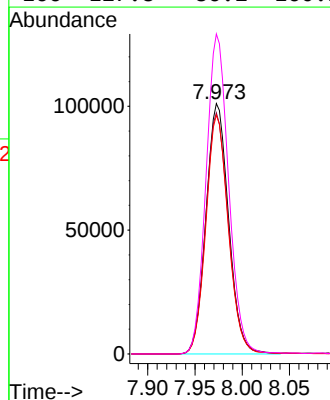
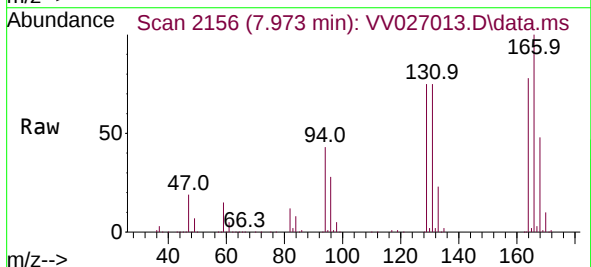
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

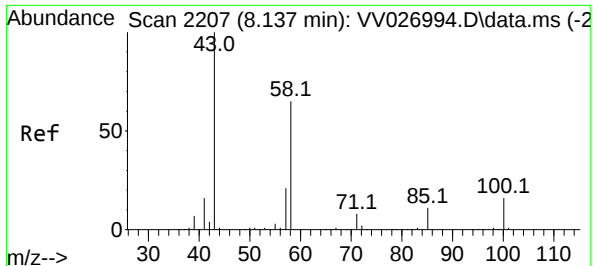
Tgt Ion:	97	Resp:	257550
Ion	Ratio	Lower	Upper
97	100		
99	61.0	44.0	81.8
83	83.3	59.9	111.3
85	53.6	39.0	72.4



#46
Tetrachloroethene
Concen: 51.612 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion:	164	Resp:	168948
Ion	Ratio	Lower	Upper
164	100		
129	96.3	66.3	123.1
131	95.4	63.1	117.3
166	127.8	86.2	160.2

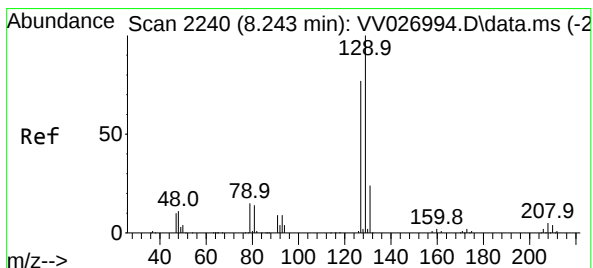
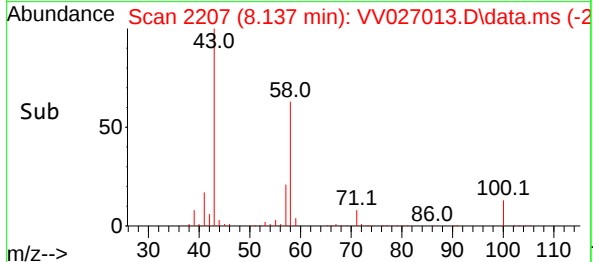
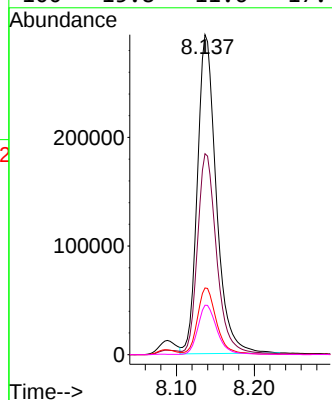
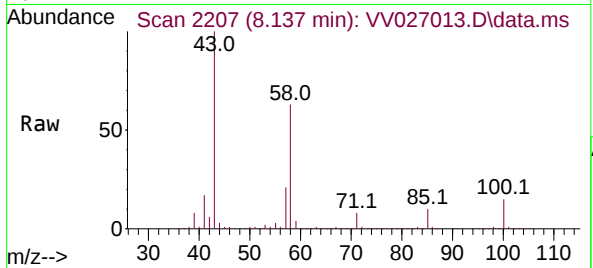




#48
2-Hexanone
Concen: 125.606 ug/L
RT: 8.137 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

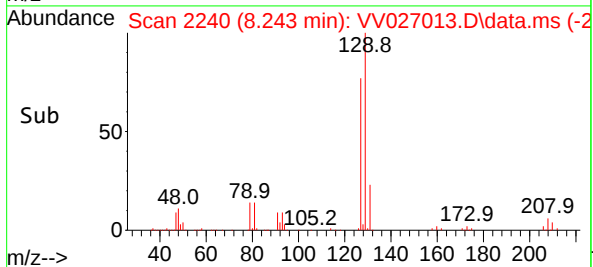
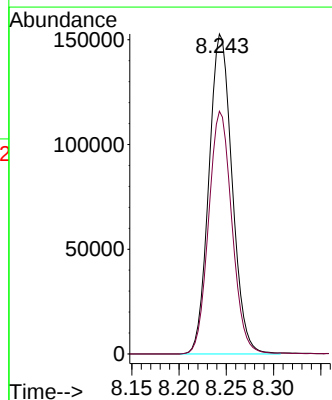
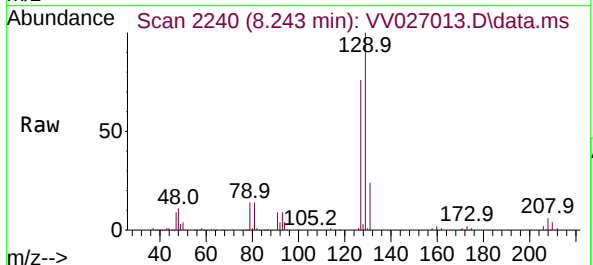
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

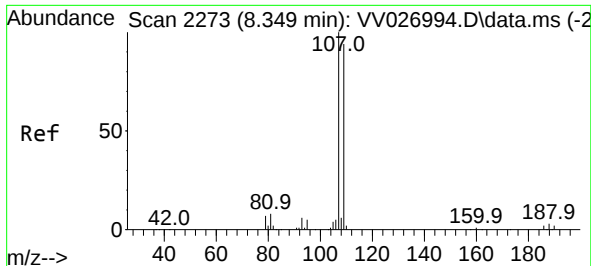
Tgt Ion:	43	Resp:	494446
Ion	Ratio	Lower	Upper
43	100		
58	63.7	48.8	73.2
57	20.9	16.6	24.8
100	15.8	11.6	17.4



#49
Dibromochloromethane
Concen: 55.211 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion:	129	Resp:	261185
Ion	Ratio	Lower	Upper
129	100		
127	75.8	53.7	99.7





#50

1,2-Dibromoethane

Concen: 55.885 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050313

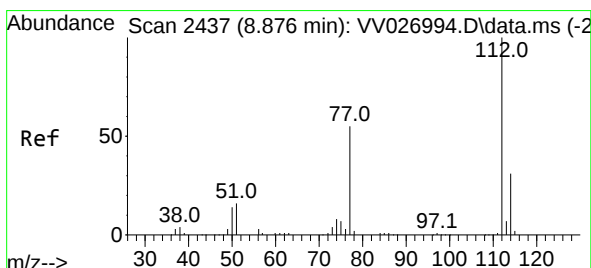
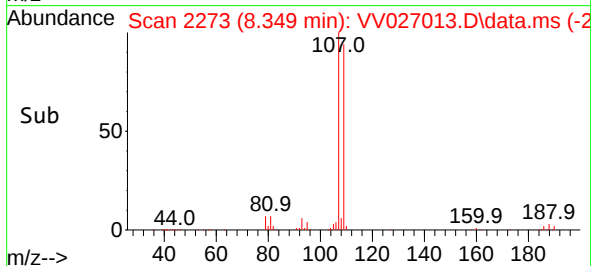
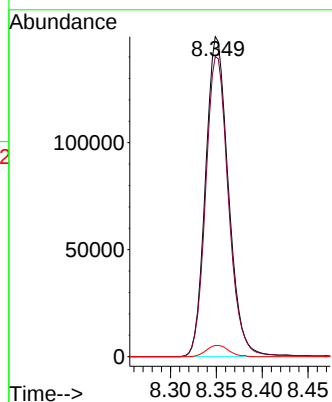
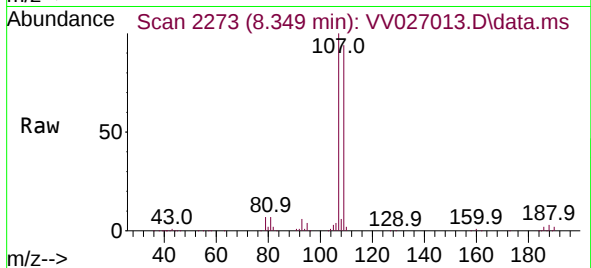
Tgt Ion:107 Resp: 258784

Ion Ratio Lower Upper

107 100

109 93.8 64.9 120.5

188 3.5 2.6 3.8



#51

Chlorobenzene

Concen: 53.430 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

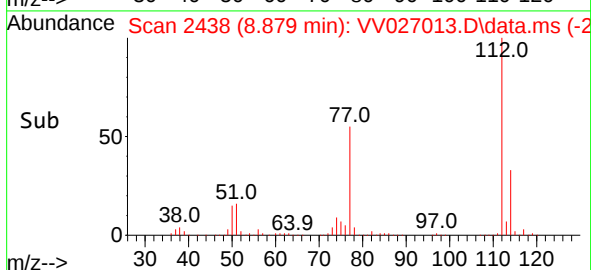
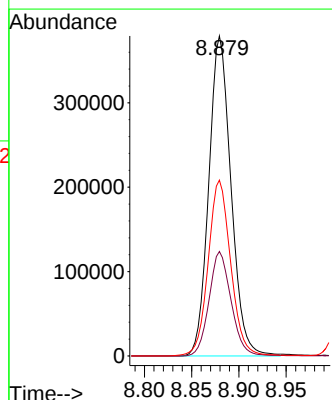
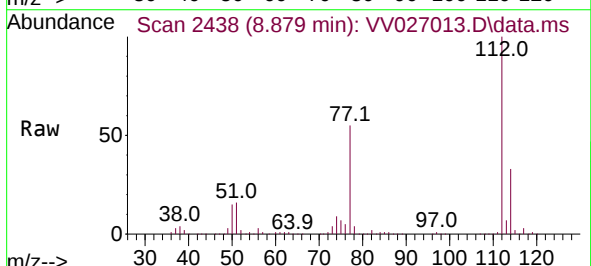
Tgt Ion:112 Resp: 620759

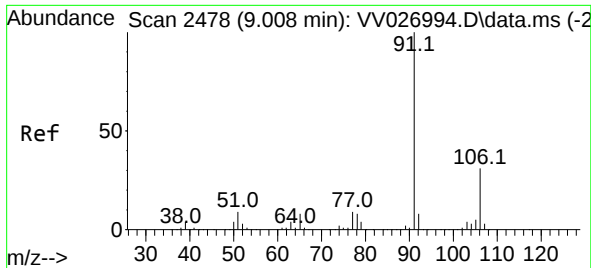
Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.1

77 54.9 44.4 66.6

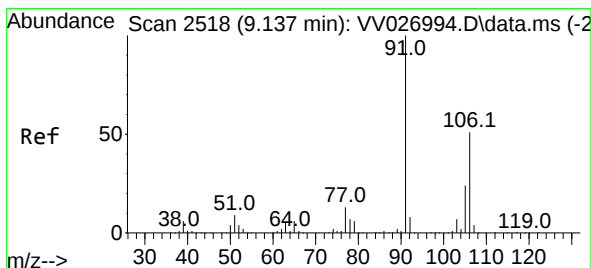
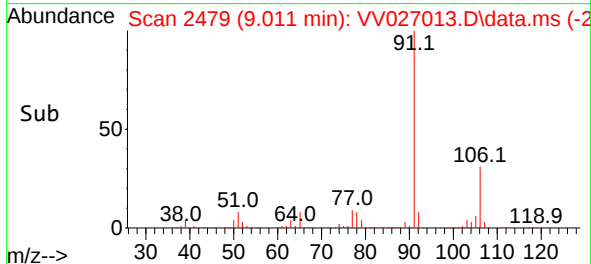
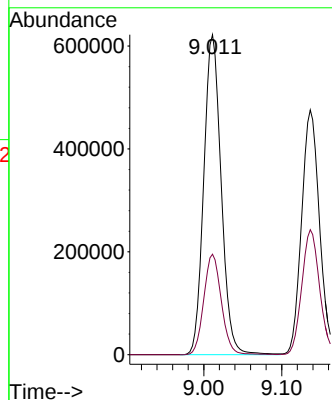
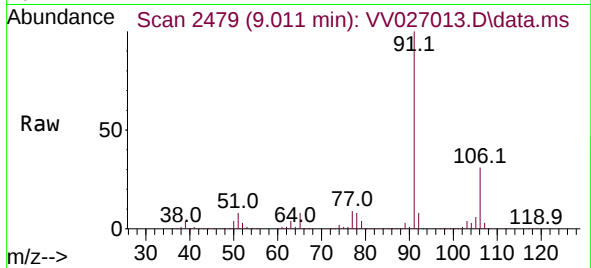




#52
Ethylbenzene
Concen: 55.795 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

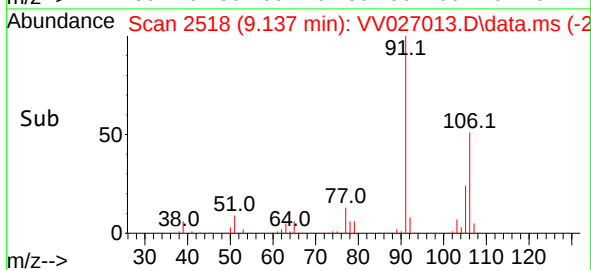
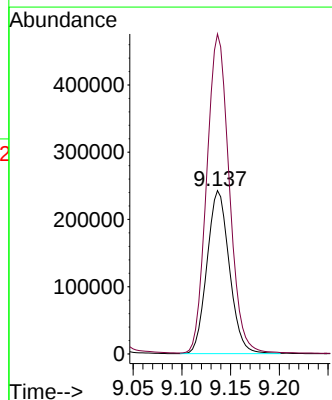
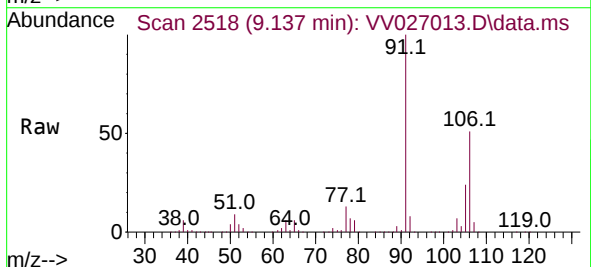
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

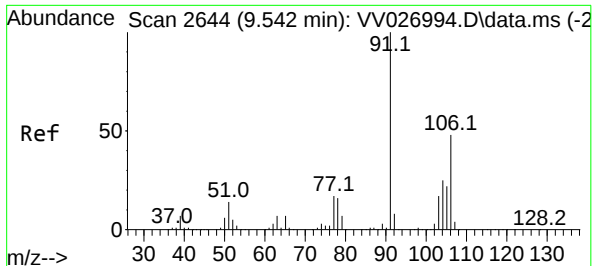
Tgt Ion: 91 Resp: 965318
Ion Ratio Lower Upper
91 100
106 31.4 22.0 40.8



#53
m,p-Xylene
Concen: 56.978 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion:106 Resp: 385991
Ion Ratio Lower Upper
106 100
91 195.8 140.0 260.0

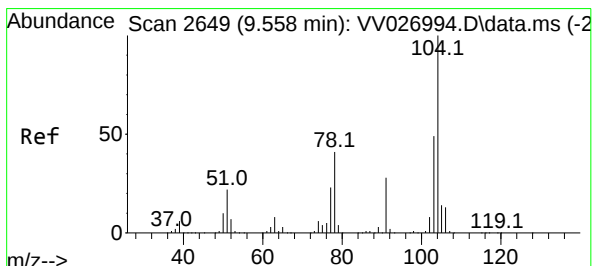
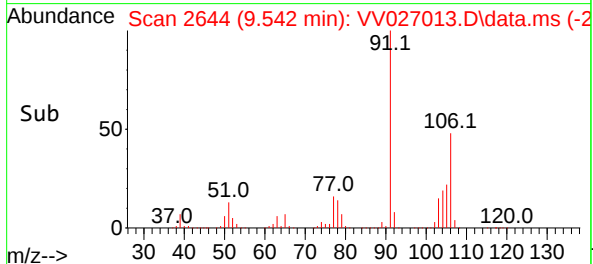
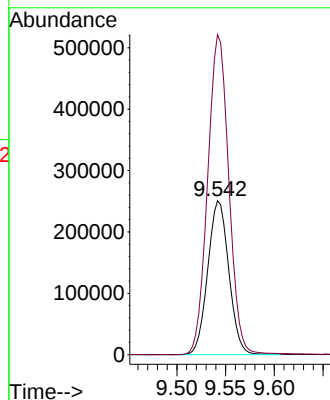
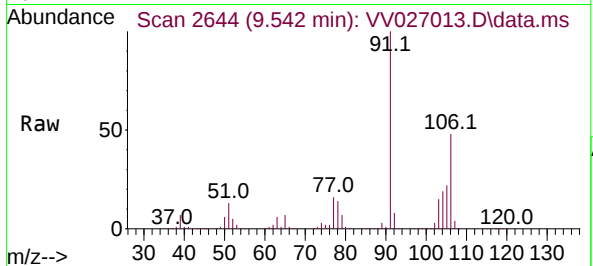




#54
o-Xylene
Concen: 57.918 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

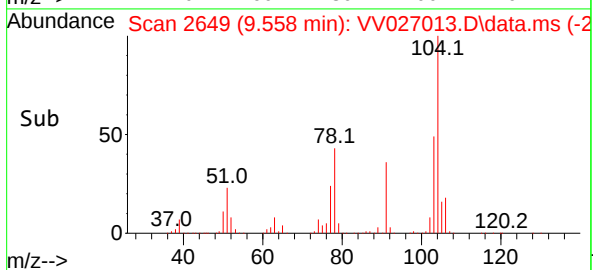
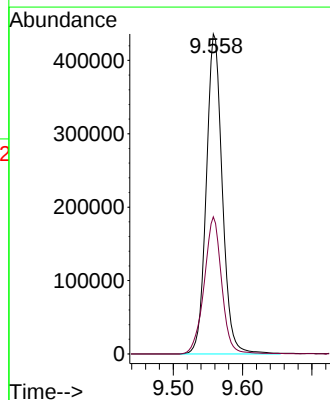
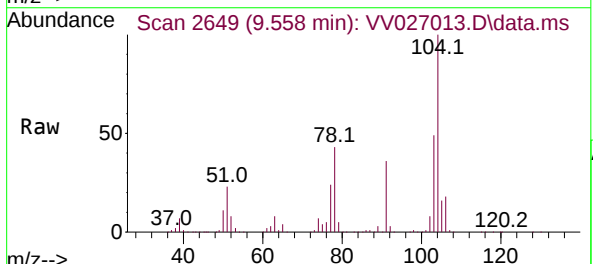
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

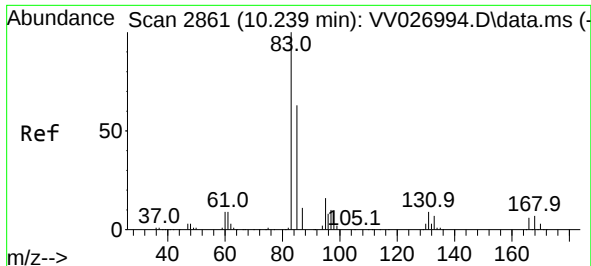
Tgt Ion:106 Resp: 377886
Ion Ratio Lower Upper
106 100
91 207.8 146.1 271.3



#55
Styrene
Concen: 60.495 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion:104 Resp: 697066
Ion Ratio Lower Upper
104 100
78 42.9 29.6 55.0





#57

1,1,2-Tetrachloroethane

Concen: 56.542 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050313

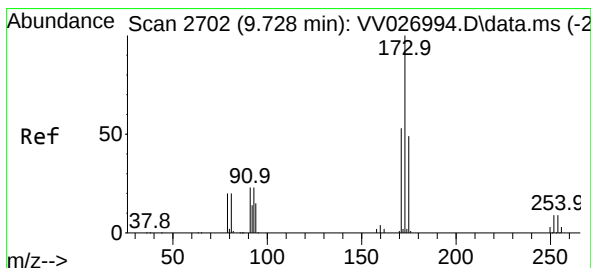
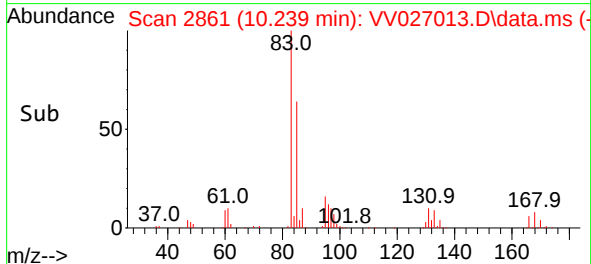
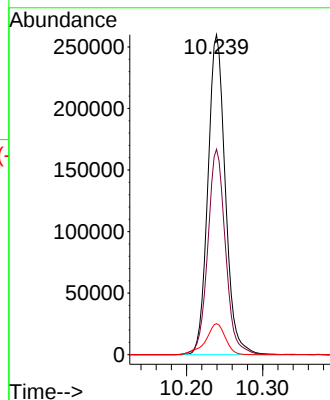
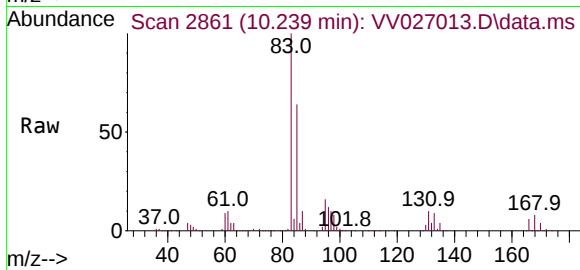
Tgt Ion: 83 Resp: 413103

Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

131 9.7 7.8 11.6



#59

Bromoform

Concen: 55.063 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.000 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

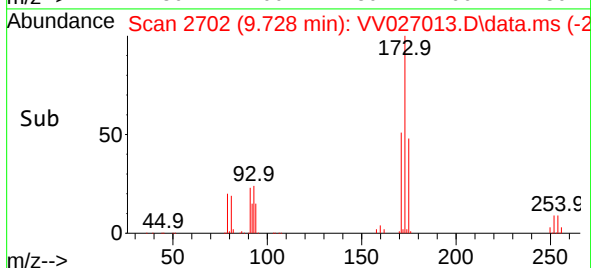
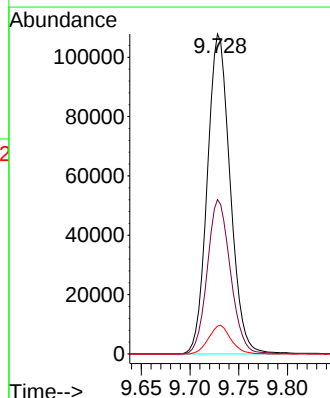
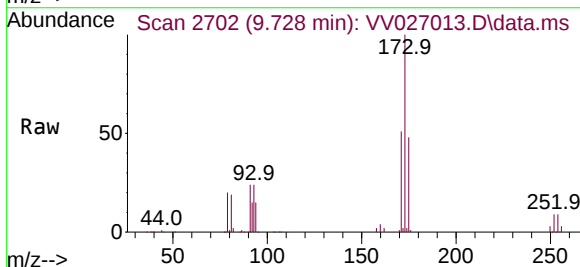
Tgt Ion: 173 Resp: 175585

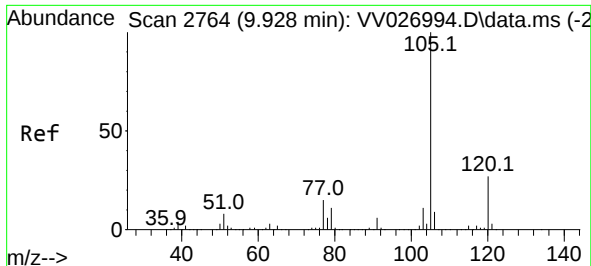
Ion Ratio Lower Upper

173 100

175 48.9 38.6 57.8

254 8.7 6.6 10.0

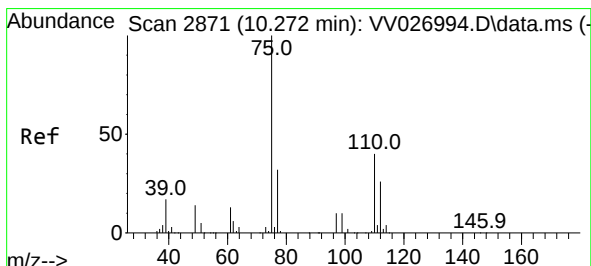
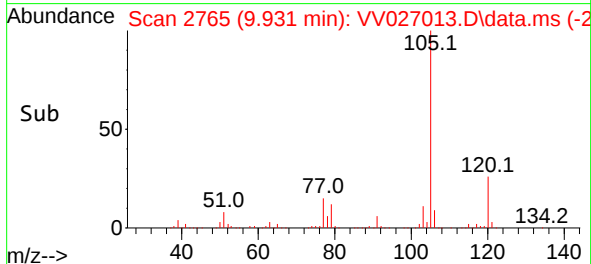
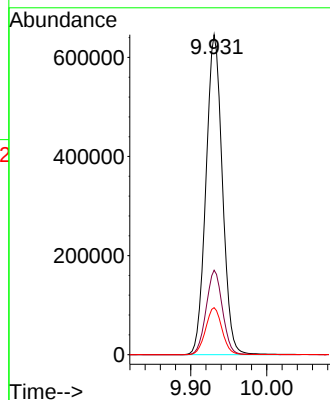
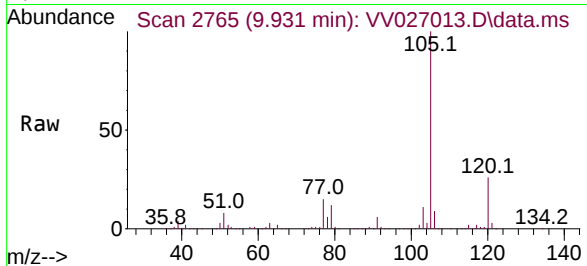




#60
Isopropylbenzene
Concen: 57.344 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

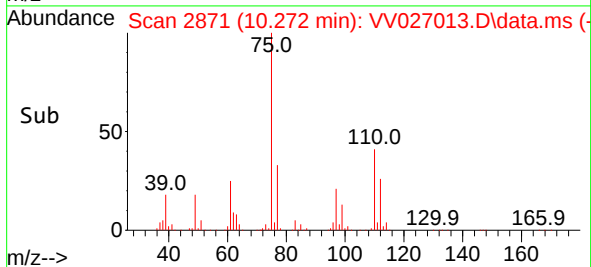
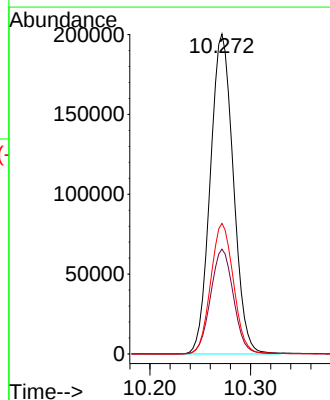
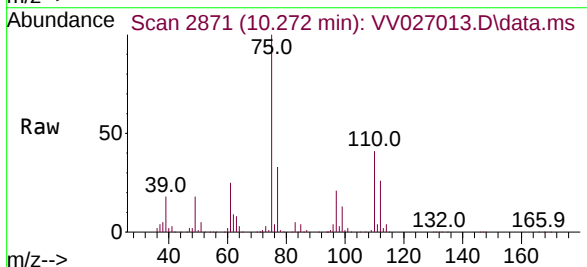
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

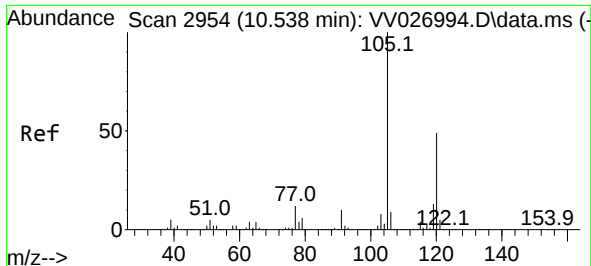
Tgt Ion:105 Resp: 967246
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 14.7 11.9 17.9



#61
1,2,3-Trichloropropane
Concen: 55.741 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 75 Resp: 319243
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4
110 40.5 31.7 47.5

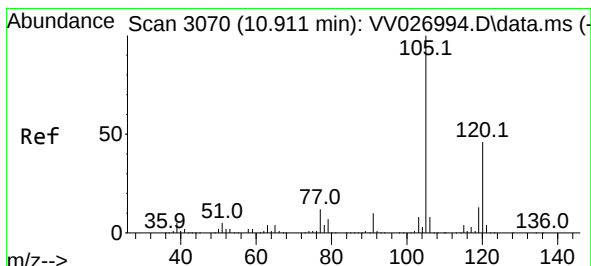
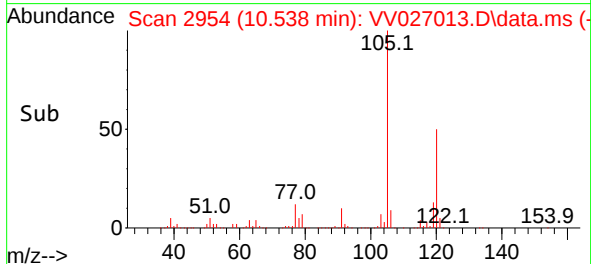
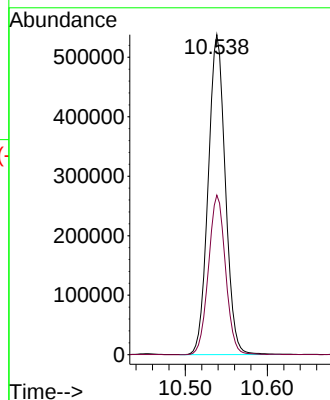
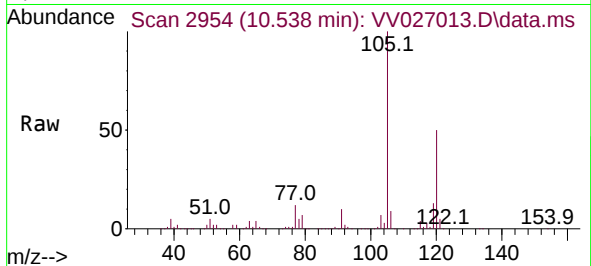




#62
 1,3,5-Trimethylbenzene
 Concen: 56.825 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. -0.000 min
 Lab File: VV027013.D
 Acq: 27 Jul 2022 21:04

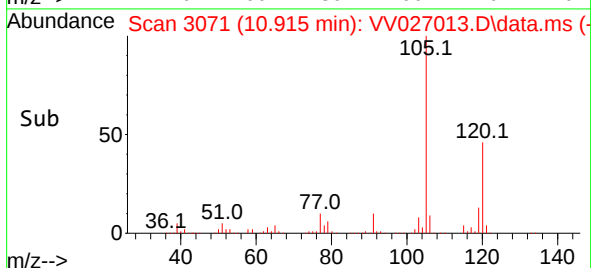
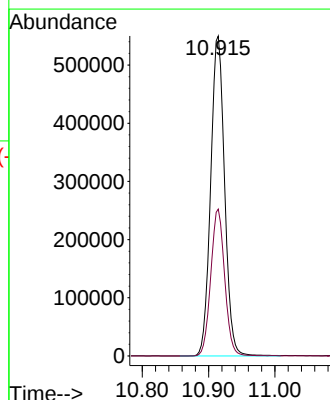
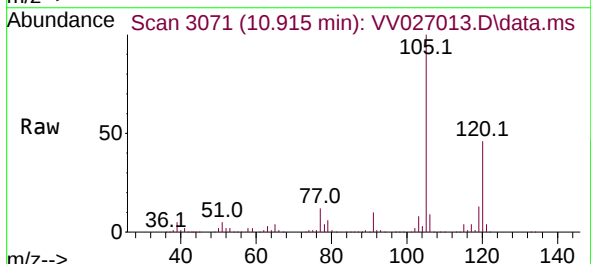
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050313

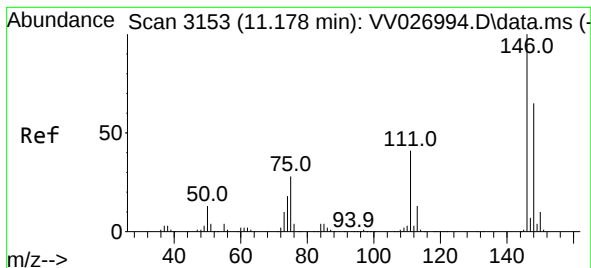
Tgt Ion:105 Resp: 778992
 Ion Ratio Lower Upper
 105 100
 120 49.7 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 58.470 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.003 min
 Lab File: VV027013.D
 Acq: 27 Jul 2022 21:04

Tgt Ion:105 Resp: 803983
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.1 55.7





#64

1,3-Dichlorobenzene

Concen: 54.174 ug/L

RT: 11.181 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050313

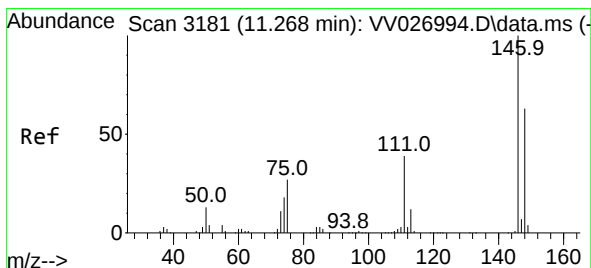
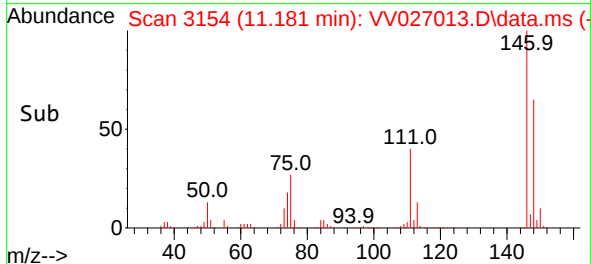
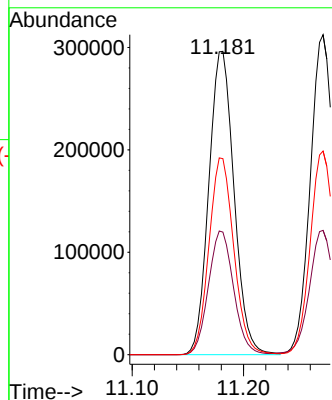
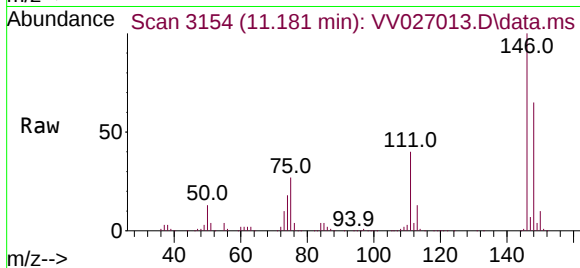
Tgt Ion:146 Resp: 466869

Ion Ratio Lower Upper

146 100

111 40.4 27.9 51.9

148 64.6 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 52.650 ug/L

RT: 11.272 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

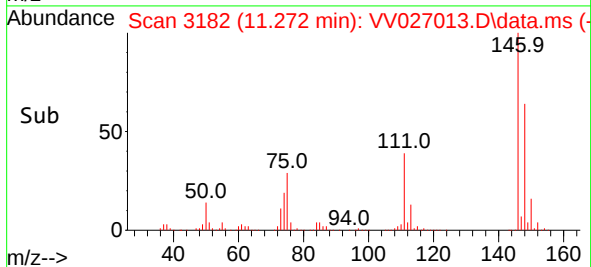
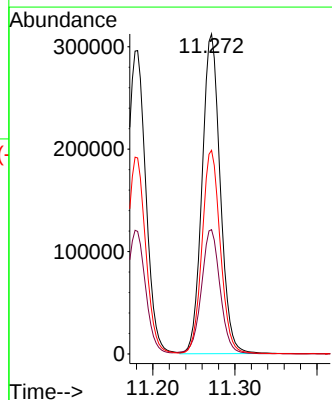
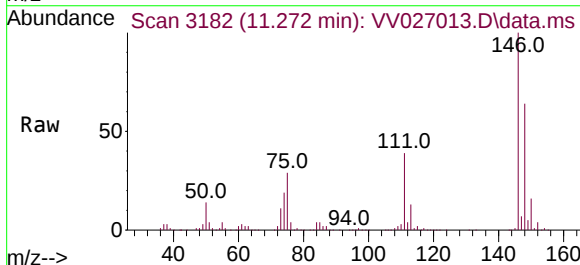
Tgt Ion:146 Resp: 480783

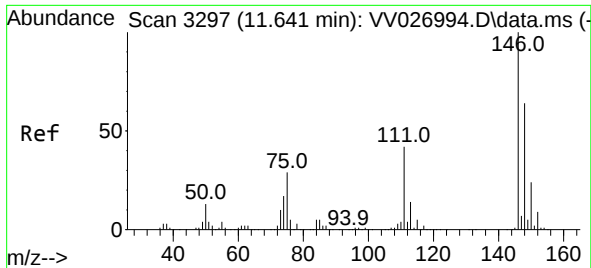
Ion Ratio Lower Upper

146 100

111 38.8 27.4 51.0

148 63.7 44.4 82.4

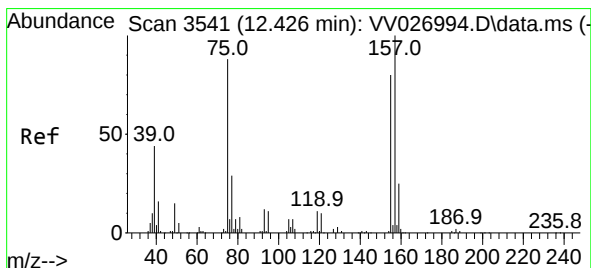
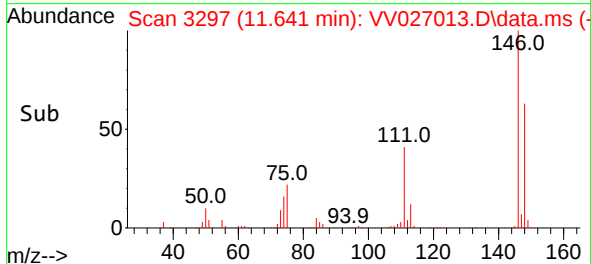
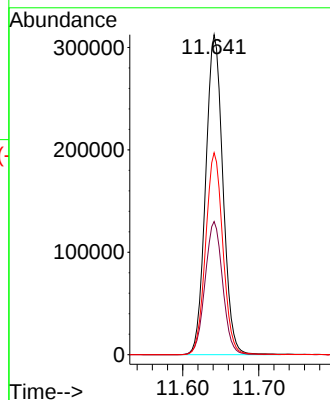
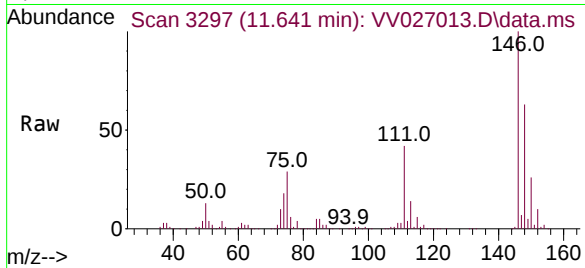




#67
1,2-Dichlorobenzene
Concen: 55.712 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

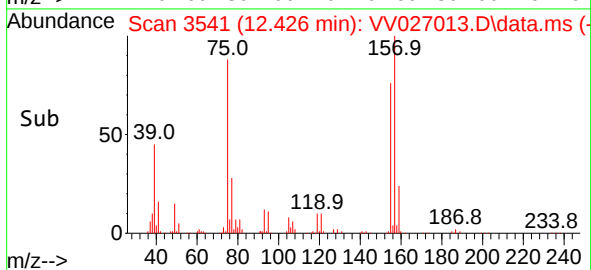
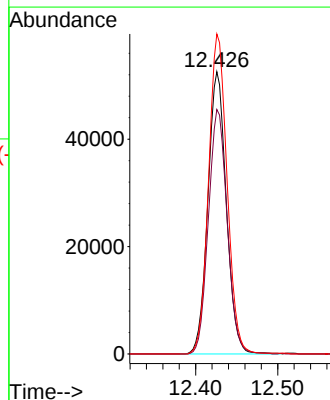
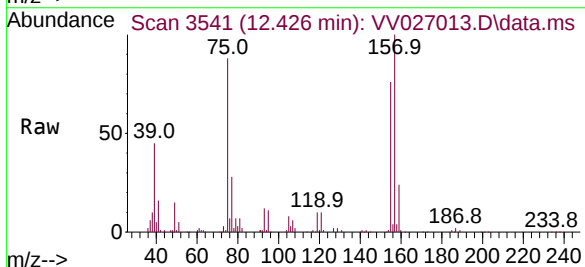
Instrument :
MSVOA_V
ClientSampleId :
VSTD050313

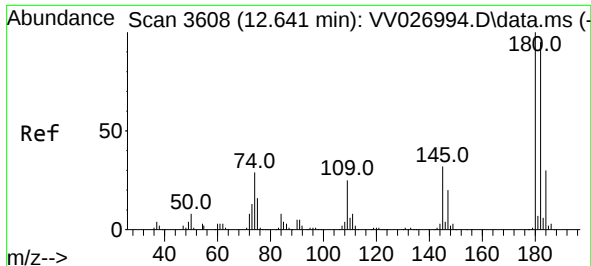
Tgt Ion:146 Resp: 492600
Ion Ratio Lower Upper
146 100
111 41.6 33.2 49.8
148 63.1 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 53.636 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.000 min
Lab File: VV027013.D
Acq: 27 Jul 2022 21:04

Tgt Ion: 75 Resp: 82072
Ion Ratio Lower Upper
75 100
155 86.6 67.7 101.5
157 113.4 87.1 130.7





#69

1,3,5-Trichlorobenzene

Concen: 49.766 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.003 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050313

Tgt Ion:180 Resp: 303626

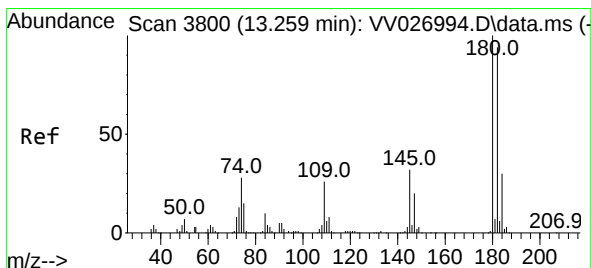
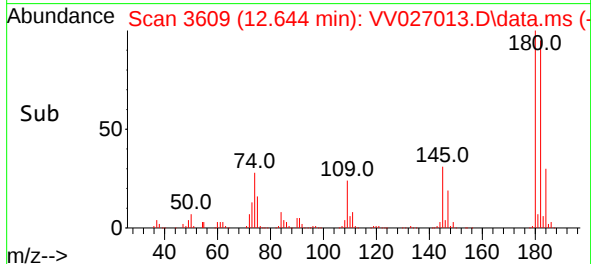
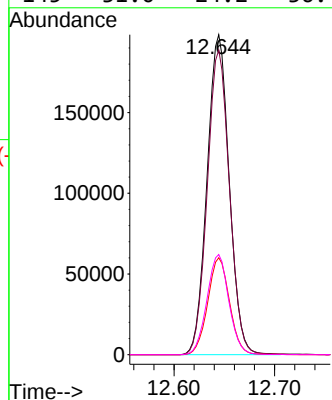
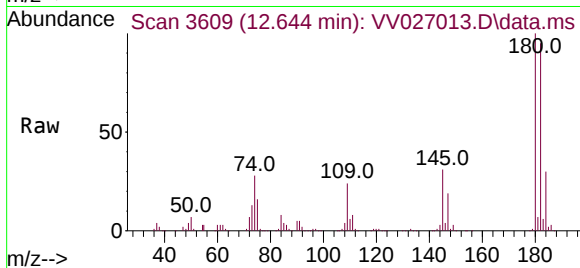
Ion Ratio Lower Upper

180 100

182 95.4 75.6 113.4

184 29.8 23.8 35.8

145 31.0 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 49.359 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

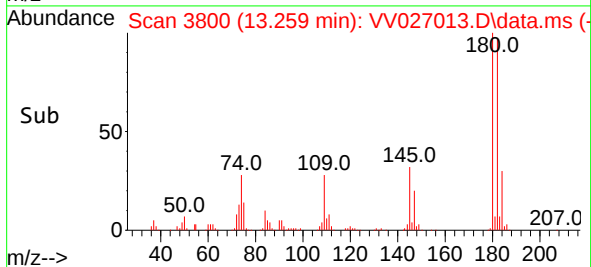
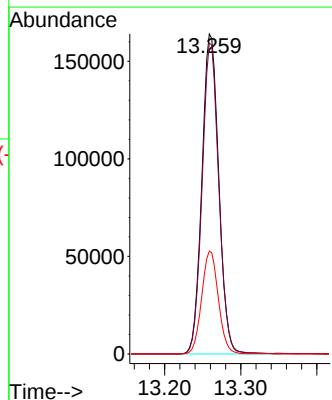
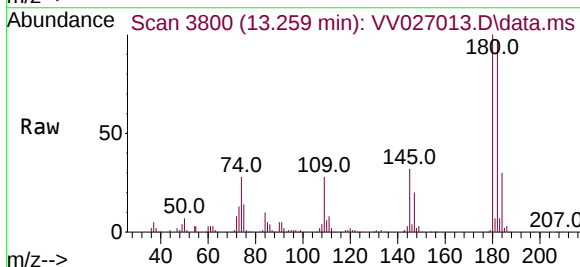
Tgt Ion:180 Resp: 253729

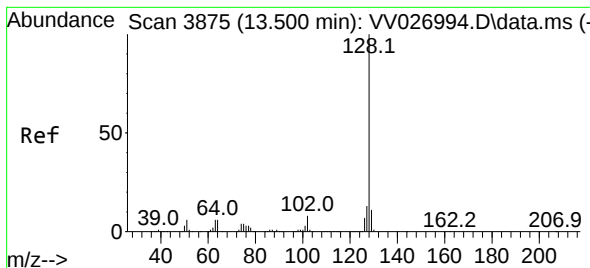
Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.4

145 31.6 25.0 37.6





#71

Naphthalene

Concen: 54.786 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050313

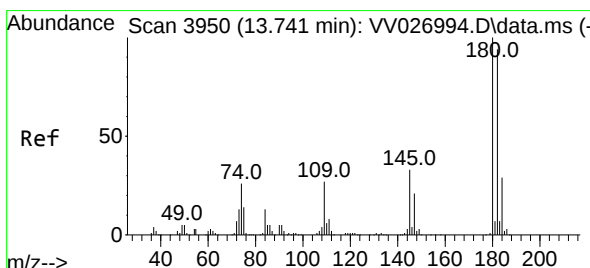
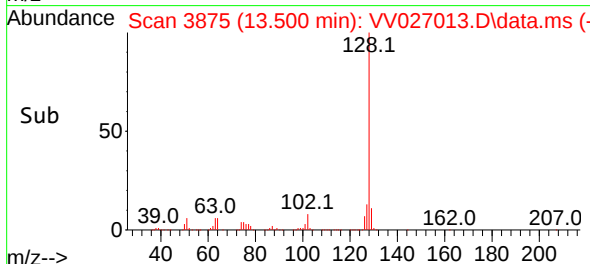
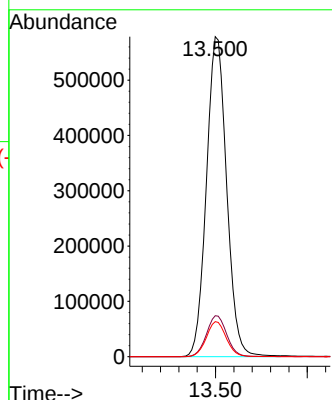
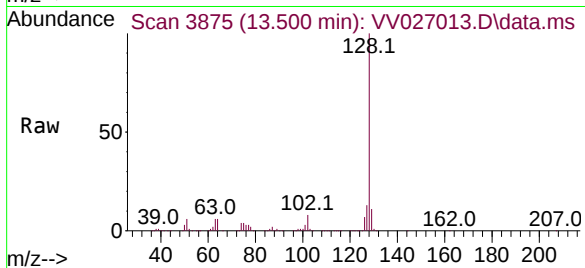
Tgt Ion:128 Resp: 885616

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 54.372 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV027013.D

Acq: 27 Jul 2022 21:04

Tgt Ion:180 Resp: 291548

Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

145 34.0 26.6 40.0

