

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071822\
 Data File : VW026819.D
 Acq On : 18 Jul 2022 18:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

Quant Time: Jul 19 03:12:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 19 03:06:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	251837	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	257507	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	136033	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	88589	3.856	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.200%
7) Chloroethane-d5	1.561	69	82501	4.156	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.105	63	175035	3.968	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.400%
20) 2-Butanone-d5	3.892	46	167988	46.849	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.700%
24) Chloroform-d	4.346	84	190723	4.747	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.031	65	83785	4.774	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.047	84	338627	4.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.069	67	107029	4.562	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.313	98	300852	4.331	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	7.622	79	33110	4.314	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.200%
46) 2-Hexanone-d5	8.088	63	163820	49.295	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	88244	4.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	106845	4.508	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	152539	4.764	ug/L	100
3) Chloromethane	1.236	50	137999	4.492	ug/L	96
5) Vinyl chloride	1.304	62	146330	4.678	ug/L	100
6) Bromomethane	1.516	94	77088	4.117	ug/L	95
8) Chloroethane	1.581	64	88651	4.810	ug/L	97
9) Trichlorofluoromethane	1.748	101	197174	4.960	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	109473	4.807	ug/L	99
12) 1,1-Dichloroethene	2.111	96	104866	4.749	ug/L	98
13) Acetone	2.179	43	103945	34.454	ug/L #	27
14) Carbon disulfide	2.288	76	310232	4.769	ug/L	99
15) Methyl Acetate	2.433	43	35066	5.747	ug/L	100
16) Methylene chloride	2.500	84	132433	5.035	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	199591	5.247	ug/L	99
18) trans-1,2-Dichloroethene	2.754	96	106816	5.263	ug/L	99
19) 1,1-Dichloroethane	3.185	63	200157	5.401	ug/L	99
21) 2-Butanone	3.976	43	176083	50.046	ug/L	99
22) cis-1,2-Dichloroethene	3.908	96	106810	5.218	ug/L	99
23) Bromochloromethane	4.246	128	51133	5.422	ug/L	97
25) Chloroform	4.371	83	209559	5.399	ug/L	98

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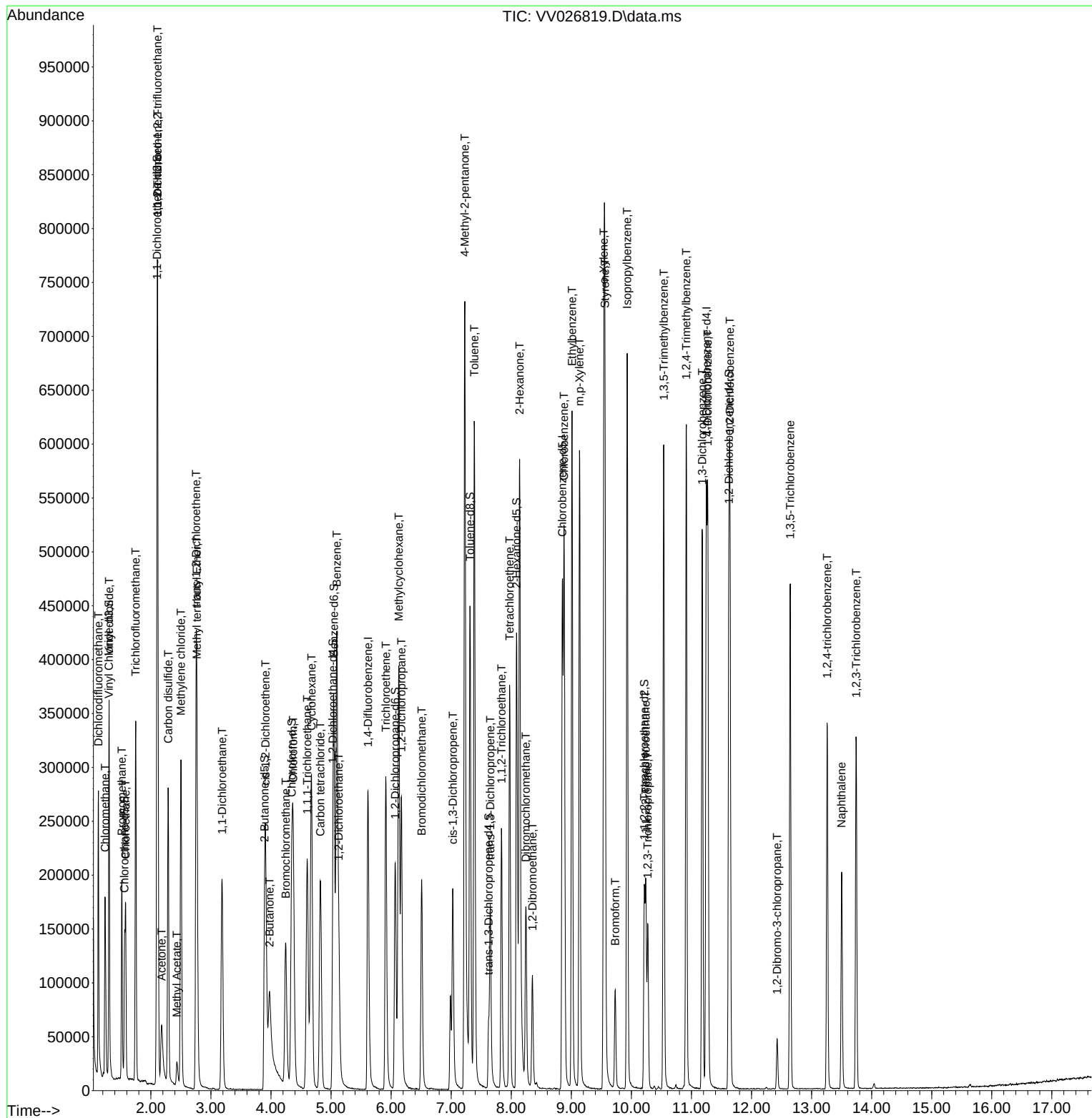
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	108283	5.177	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	177862	5.126	ug/L	98
30) Cyclohexane	4.674	56	140813	4.762	ug/L	98
31) Carbon tetrachloride	4.822	117	152192	4.966	ug/L	98
33) Benzene	5.095	78	442909	5.145	ug/L	100
34) Trichloroethene	5.912	95	106633	5.040	ug/L	97
35) Methylcyclohexane	6.127	83	151744	4.699	ug/L	98
37) 1,2-Dichloropropane	6.172	63	112995	5.489	ug/L	98
38) Bromodichloromethane	6.510	83	137368	5.118	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	124230	4.856	ug/L	97
40) 4-Methyl-2-pentanone	7.227	43	512178	53.862	ug/L	98
42) Toluene	7.384	91	463204	5.327	ug/L	98
44) trans-1,3-Dichloropropene	7.651	75	106791	5.084	ug/L	97
45) 1,1,2-Trichloroethane	7.837	97	78347	5.206	ug/L	96
47) Tetrachloroethene	7.973	164	84987	5.121	ug/L	98
48) 2-Hexanone	8.140	43	376667	54.730	ug/L	99
49) Dibromochloromethane	8.243	129	87232	5.030	ug/L	99
50) 1,2-Dibromoethane	8.352	107	69499	5.219	ug/L	100
51) Chlorobenzene	8.879	112	285730	5.198	ug/L	98
52) Ethylbenzene	9.011	91	428812	4.984	ug/L	100
53) m,p-Xylene	9.136	106	172122	5.144	ug/L	97
54) o-Xylene	9.542	106	160600	5.050	ug/L	96
55) Styrene	9.561	104	290852	5.219	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	92200	5.176	ug/L	99
59) Bromoform	9.731	173	41370	4.740	ug/L	98
60) Isopropylbenzene	9.931	105	421342	4.966	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	63110	5.031	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	319771	4.737	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	332491	4.851	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	212806	5.119	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	210042	4.969	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	196301	5.056	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.426	75	12459	4.685	ug/L	96
69) 1,3,5-Trichlorobenzene	12.644	180	140260	4.773	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	101885	4.559	ug/L	99
71) Naphthalene	13.500	128	160026	4.322	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	95472	4.592	ug/L	99

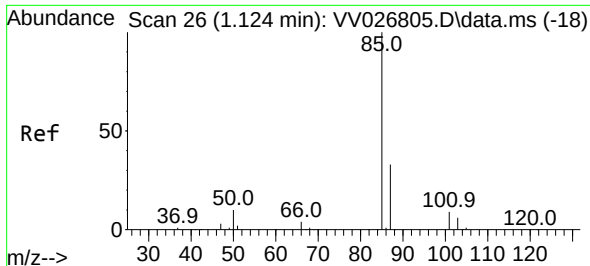
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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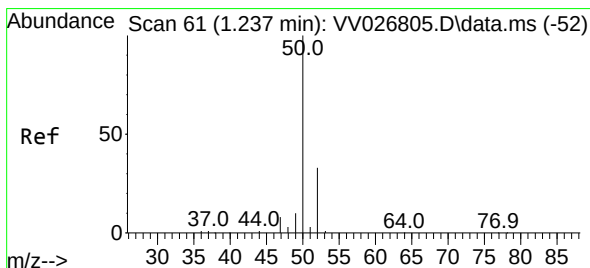
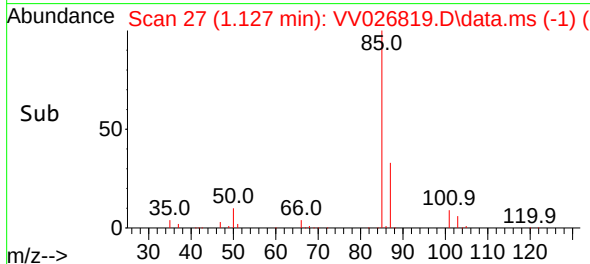
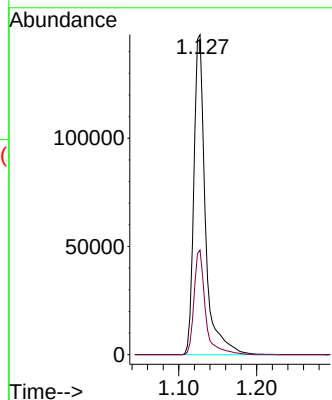
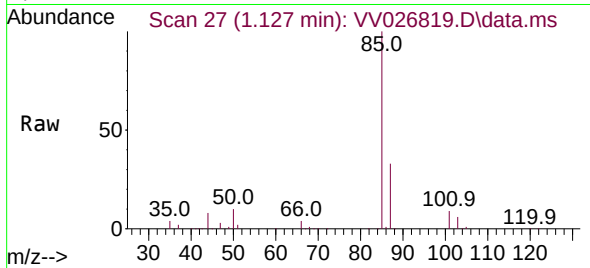




#2
 Dichlorodifluoromethane
 Concen: 4.764 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

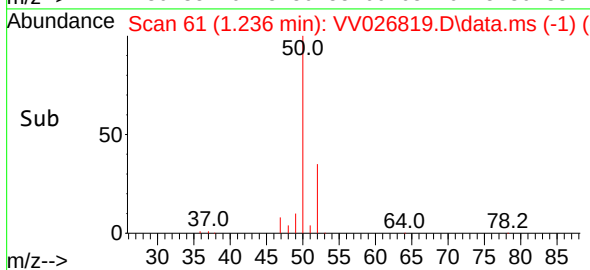
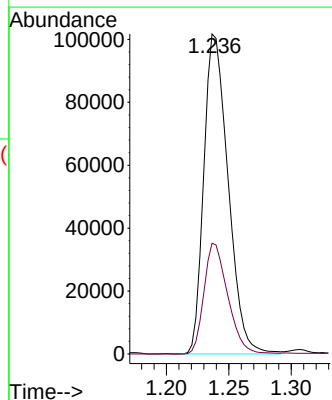
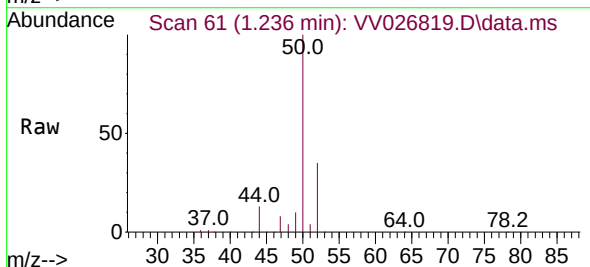
Instrument :
 MSVOA_V
 ClientSampleId :
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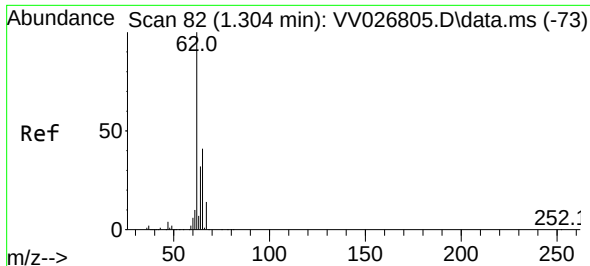
Tgt Ion: 85 Resp: 152539
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.8



#3
 Chloromethane
 Concen: 4.492 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

Tgt Ion: 50 Resp: 137999
 Ion Ratio Lower Upper
 50 100
 52 34.6 22.8 42.4

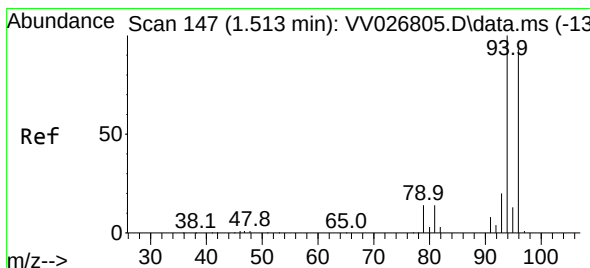
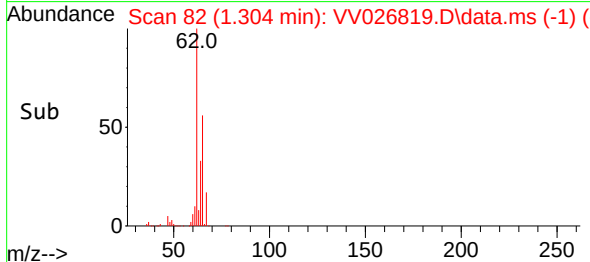
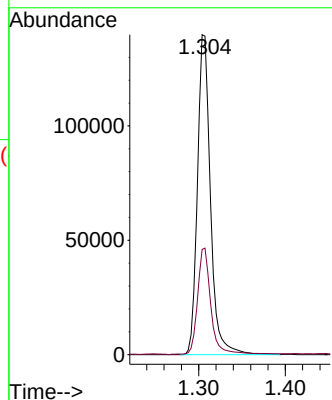
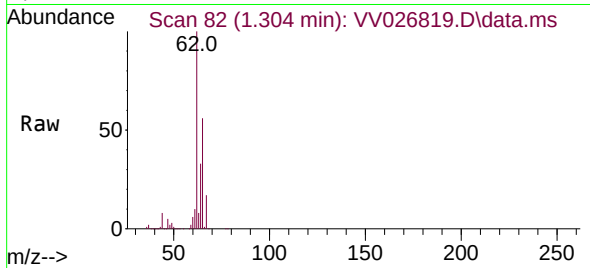




#5
 Vinyl chloride
 Concen: 4.678 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

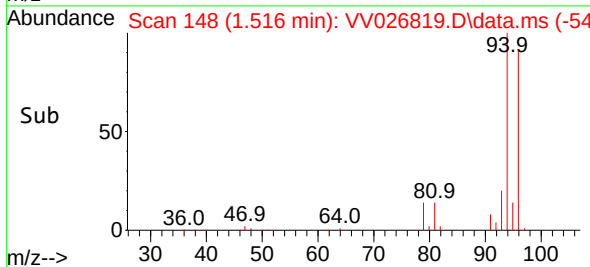
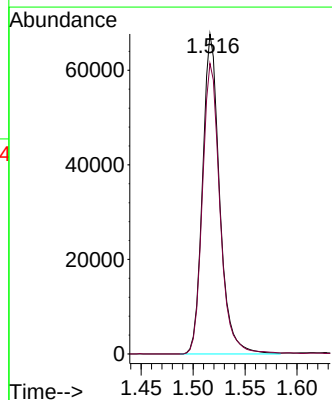
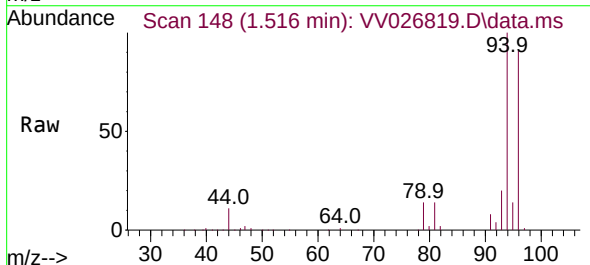
Instrument :
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 ClientSampleId :
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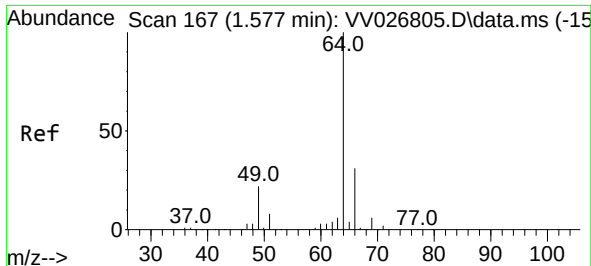
Tgt Ion: 62 Resp: 146330
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5



#6
 Bromomethane
 Concen: 4.117 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. 0.003 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

Tgt Ion: 94 Resp: 77088
 Ion Ratio Lower Upper
 94 100
 96 90.8 67.1 124.7

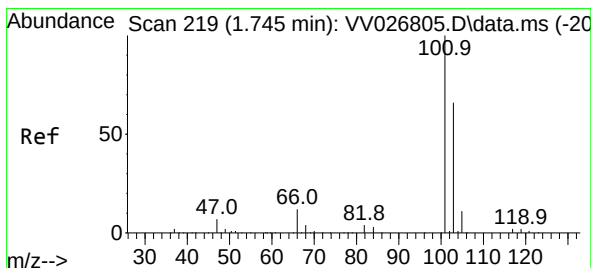
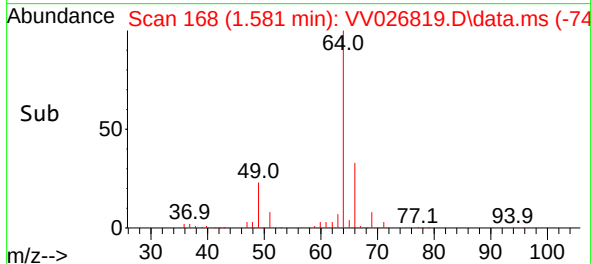
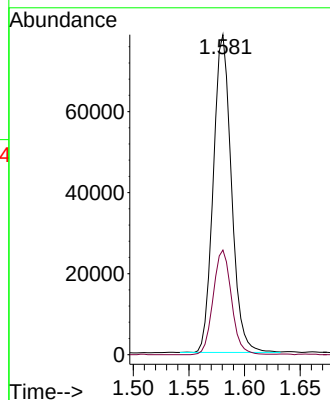
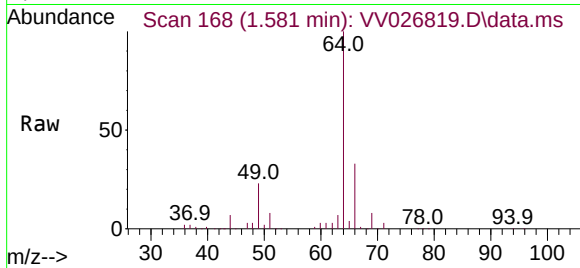




#8
Chloroethane
Concen: 4.810 ug/L
RT: 1.581 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

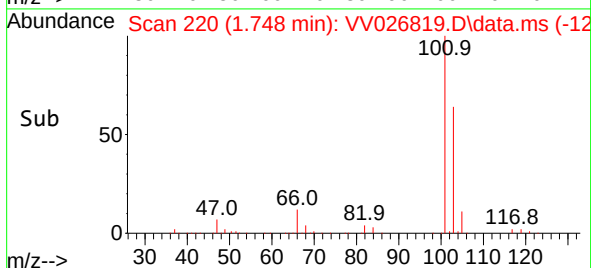
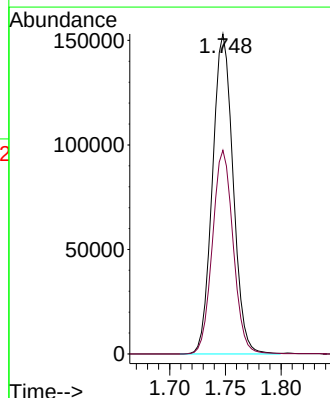
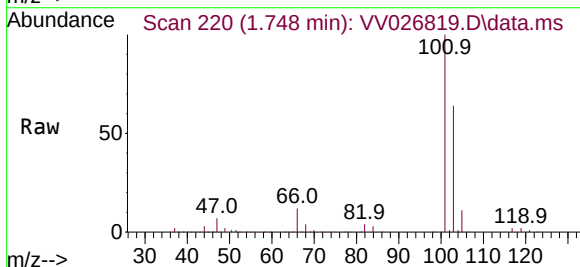
Instrument :
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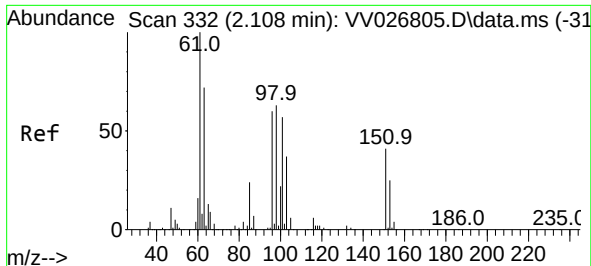
Tgt Ion: 64 Resp: 88651
Ion Ratio Lower Upper
64 100
66 32.7 23.9 44.5



#9
Trichlorofluoromethane
Concen: 4.960 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion:101 Resp: 197174
Ion Ratio Lower Upper
101 100
103 64.0 51.6 77.4

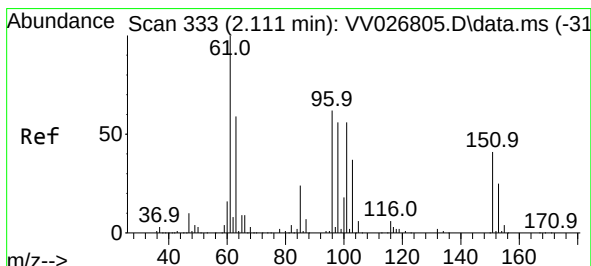
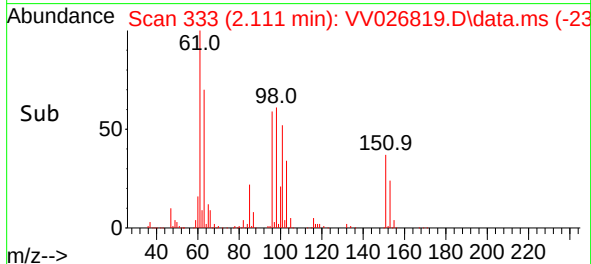
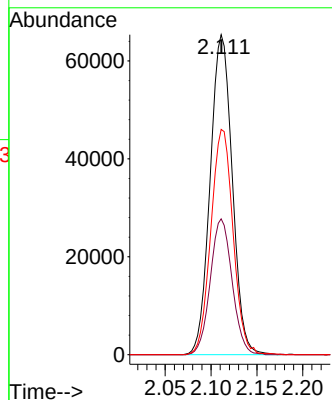
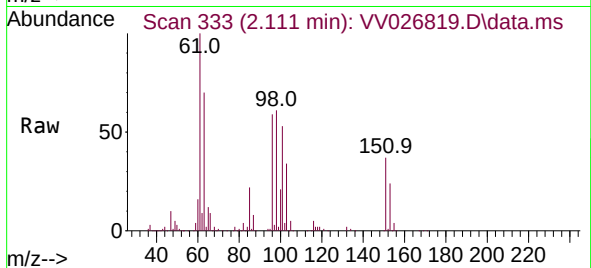




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.807 ug/L
RT: 2.111 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

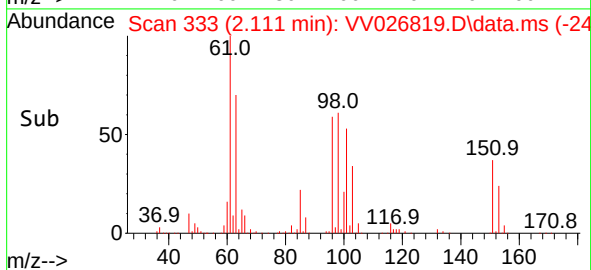
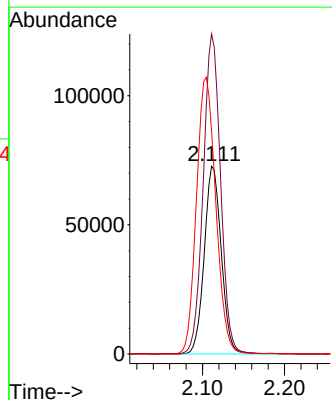
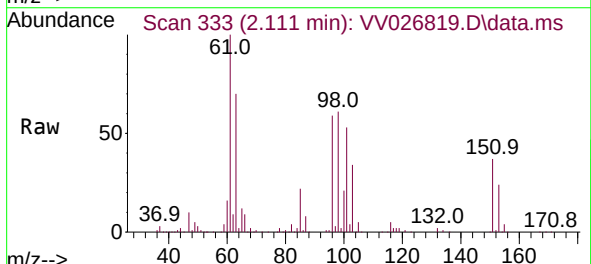
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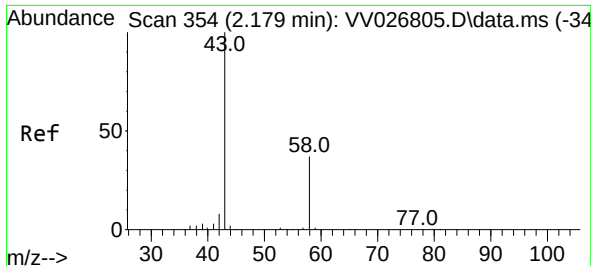
Tgt Ion:101 Resp: 109473
Ion Ratio Lower Upper
101 100
85 41.9 35.0 52.4
151 70.9 56.7 85.1



#12
1,1-Dichloroethene
Concen: 4.749 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion: 96 Resp: 104866
Ion Ratio Lower Upper
96 100
61 170.5 118.3 219.7
63 118.8 79.9 148.3





#13

Acetone

Concen: 34.454 ug/L

RT: 2.179 min Scan# 3

Delta R.T. -0.000 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

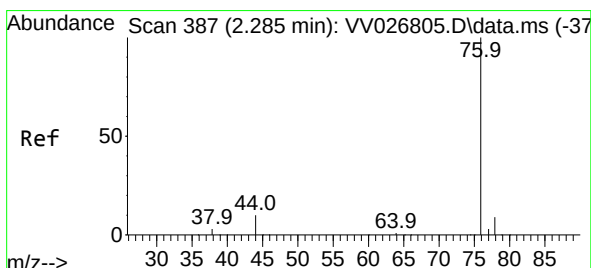
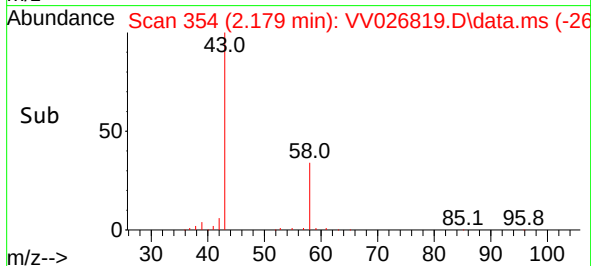
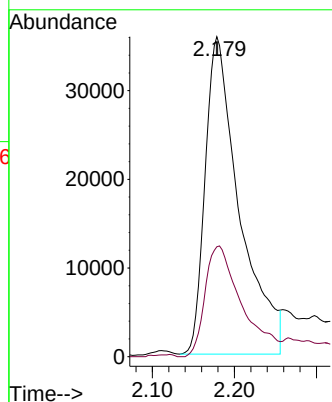
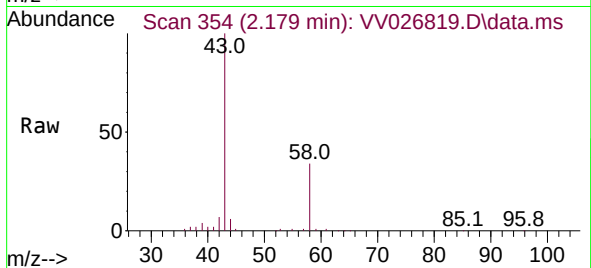
VSTD005358

Tgt Ion: 43 Resp: 103945

Ion Ratio Lower Upper

43 100

58 37.6 0.0 20.6#



#14

Carbon disulfide

Concen: 4.769 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV026819.D

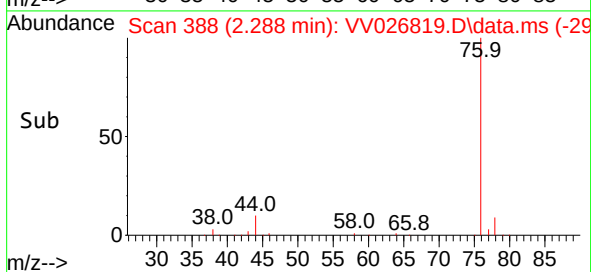
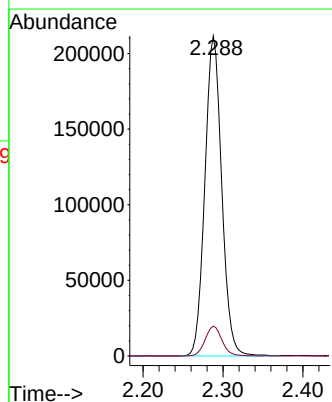
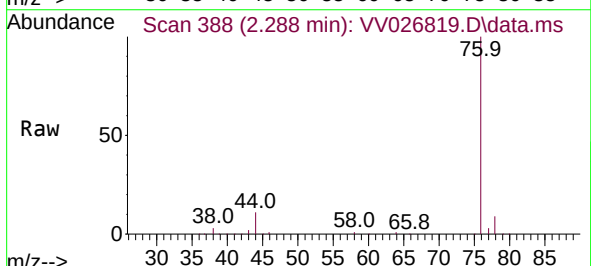
Acq: 18 Jul 2022 18:39

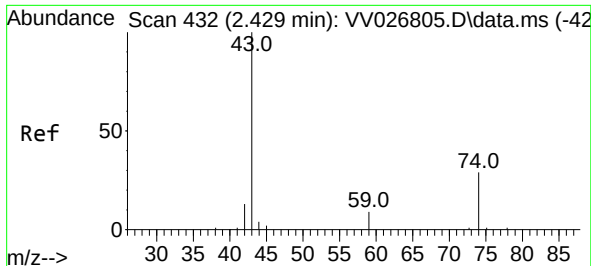
Tgt Ion: 76 Resp: 310232

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5





#15

Methyl Acetate

Concen: 5.747 ug/L

RT: 2.433 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV026819.D

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Instrument :

MSVOA_V

ClientSampleId :

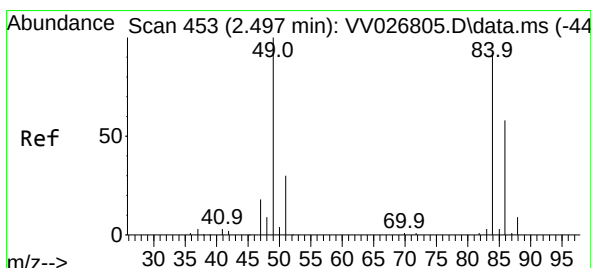
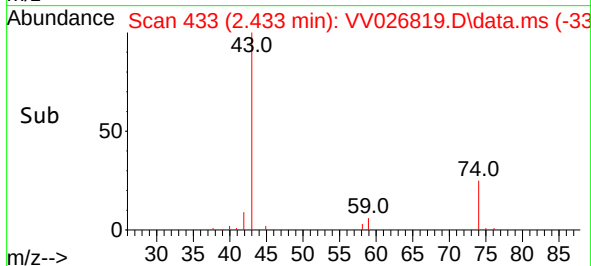
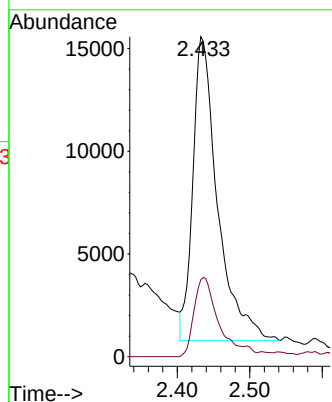
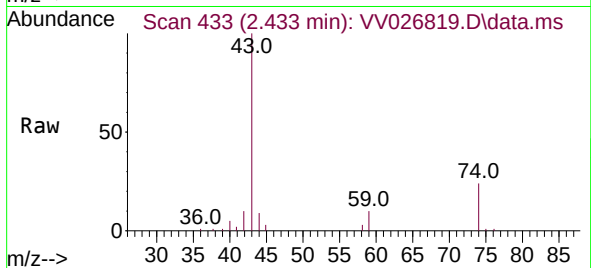
VSTD005358

Tgt Ion: 43 Resp: 35066

Ion Ratio Lower Upper

43 100

74 25.0 20.1 30.1



#16

Methylene chloride

Concen: 5.035 ug/L

RT: 2.500 min Scan# 454

Delta R.T. 0.003 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

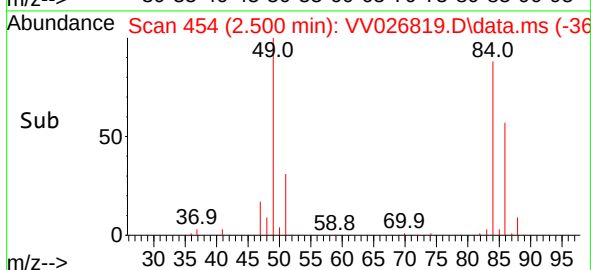
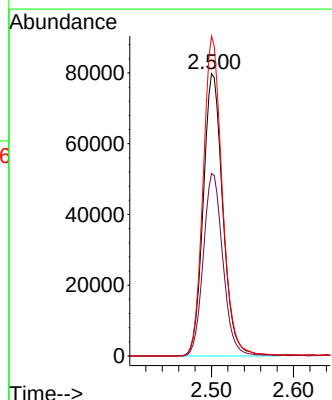
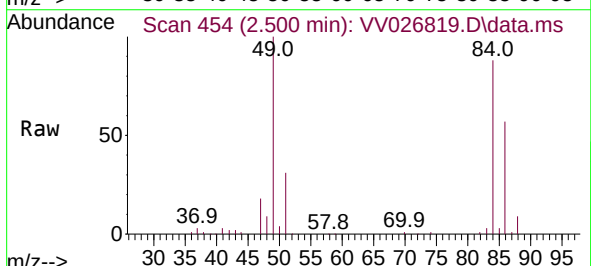
Tgt Ion: 84 Resp: 132433

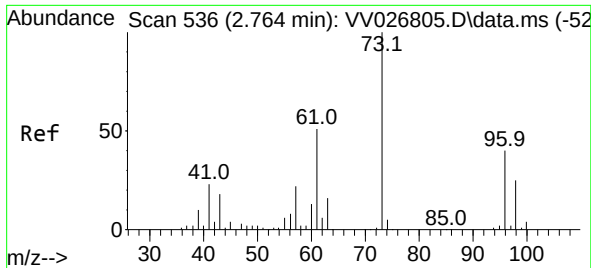
Ion Ratio Lower Upper

84 100

86 64.6 44.8 83.2

49 113.3 78.7 146.1

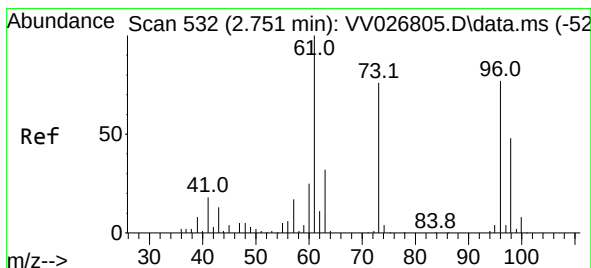
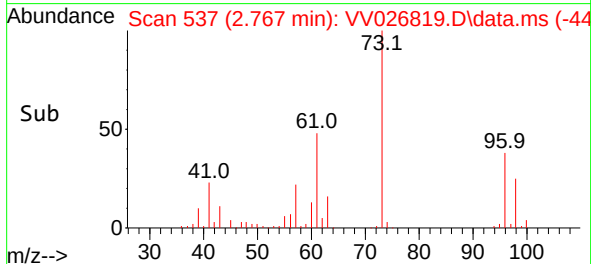
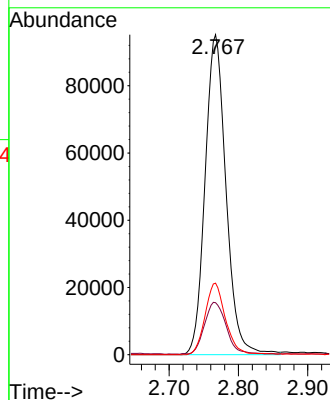
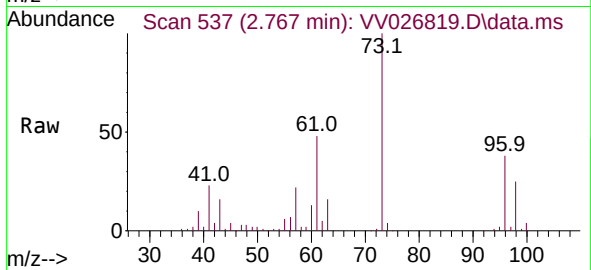




#17
Methyl tert-butyl Ether
Concen: 5.247 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

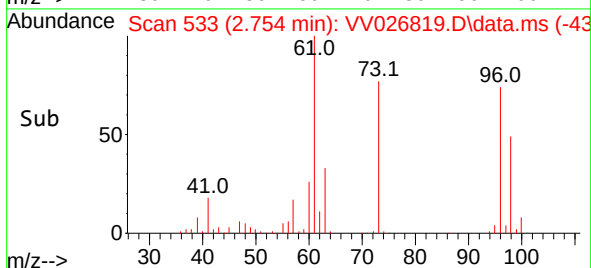
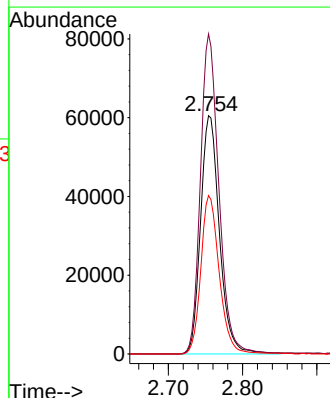
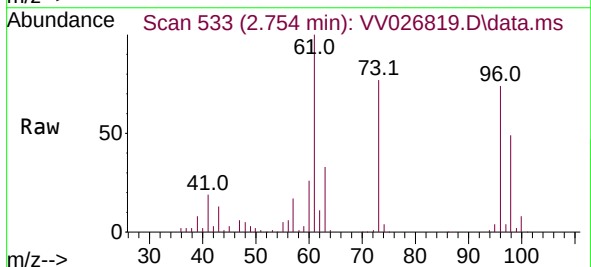
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

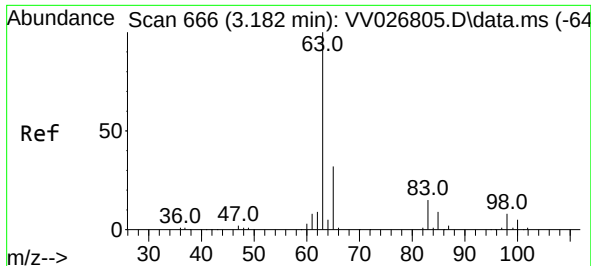
Tgt Ion: 73 Resp: 199591
Ion Ratio Lower Upper
73 100
43 16.5 14.0 21.0
57 21.7 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 5.263 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion: 96 Resp: 106816
Ion Ratio Lower Upper
96 100
61 134.3 94.7 175.9
98 66.5 47.4 88.0





#19

1,1-Dichloroethane

Concen: 5.401 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

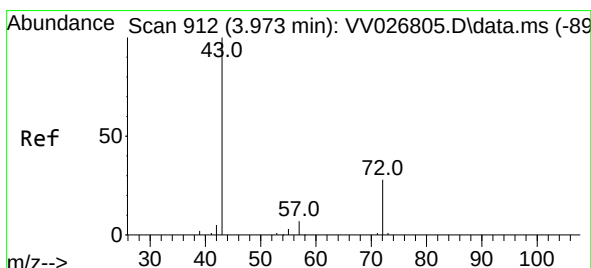
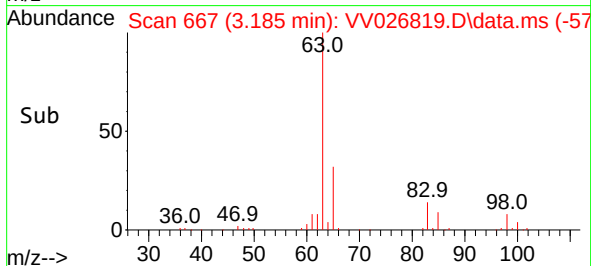
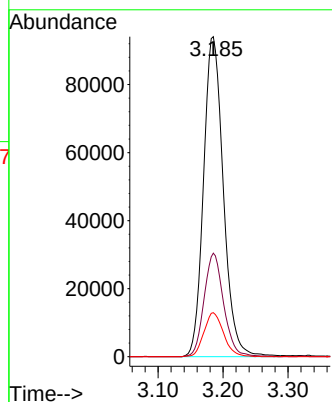
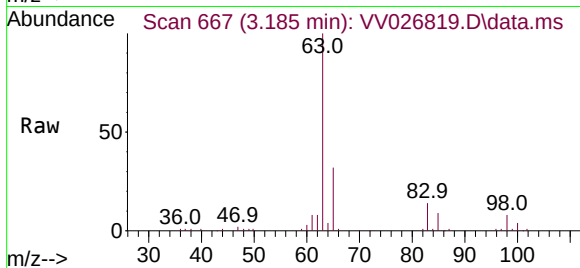
Tgt Ion: 63 Resp: 200157

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.3

83 13.8 9.9 18.5



#21

2-Butanone

Concen: 50.046 ug/L

RT: 3.976 min Scan# 913

Delta R.T. 0.003 min

Lab File: VV026819.D

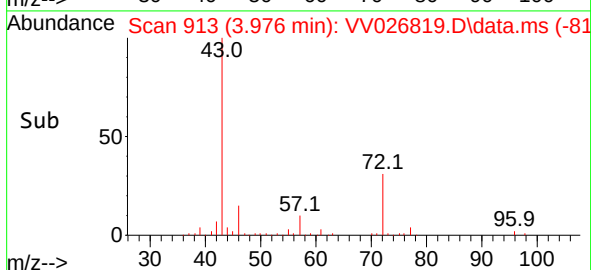
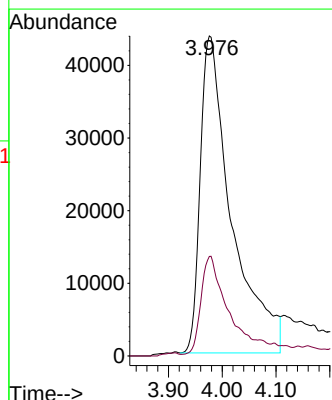
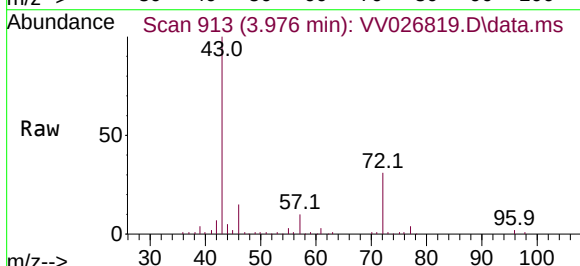
Acq: 18 Jul 2022 18:39

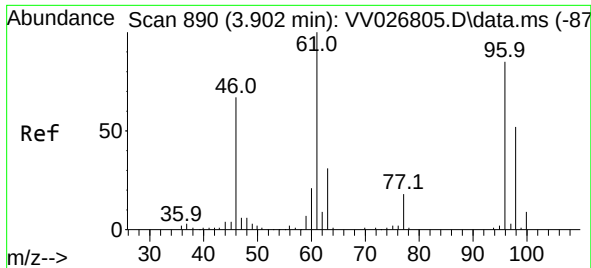
Tgt Ion: 43 Resp: 176083

Ion Ratio Lower Upper

43 100

72 27.4 13.9 41.7

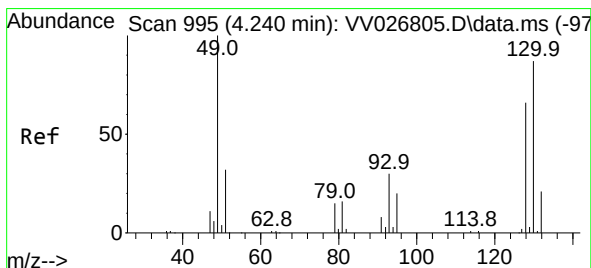
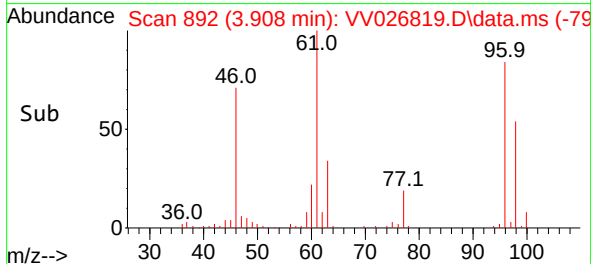
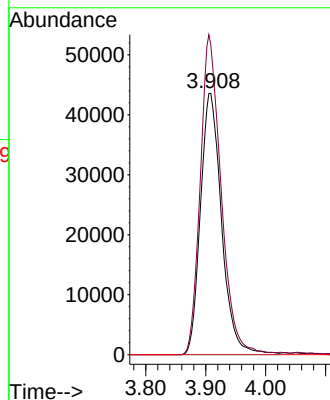
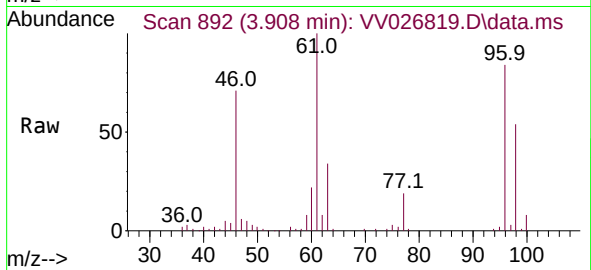




#22
 cis-1,2-Dichloroethene
 Concen: 5.218 ug/L
 RT: 3.908 min Scan# 891
 Delta R.T. 0.006 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

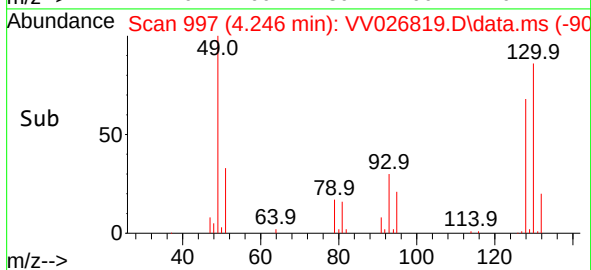
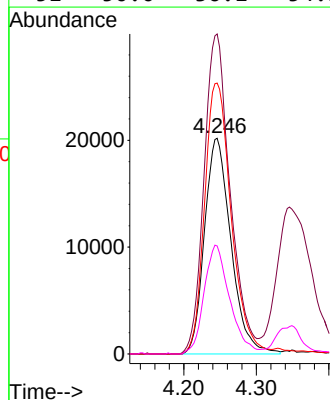
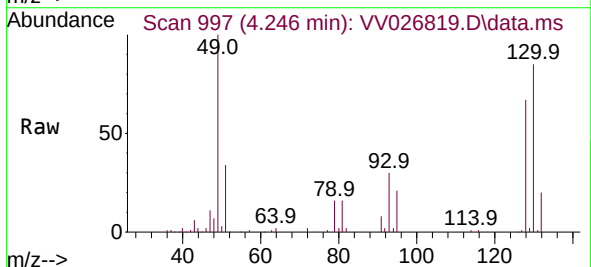
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

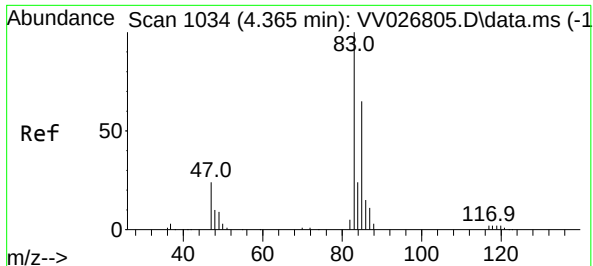
Tgt Ion: 96 Resp: 106810
 Ion Ratio Lower Upper
 96 100
 61 118.7 83.9 155.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.422 ug/L
 RT: 4.246 min Scan# 997
 Delta R.T. 0.006 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

Tgt Ion: 128 Resp: 51133
 Ion Ratio Lower Upper
 128 100
 49 148.3 107.2 199.2
 130 125.5 87.1 161.7
 51 50.0 36.1 54.1





#25

Chloroform

Concen: 5.399 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

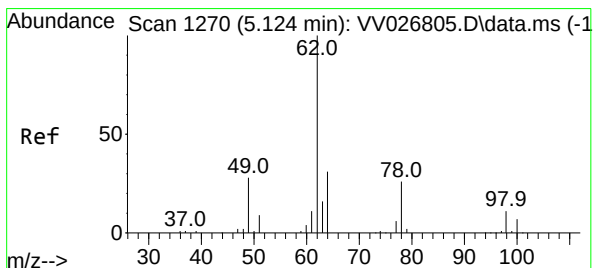
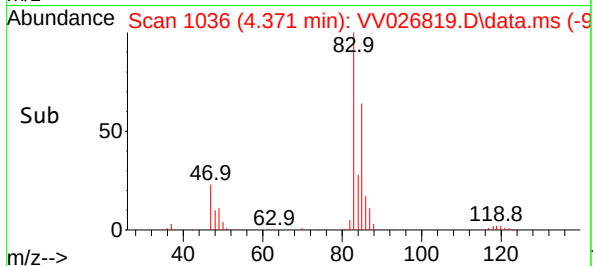
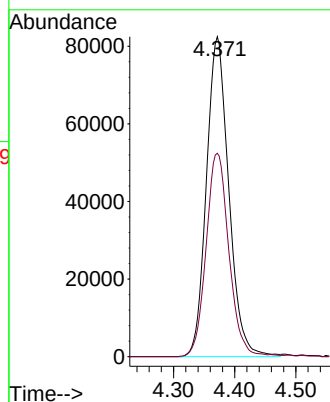
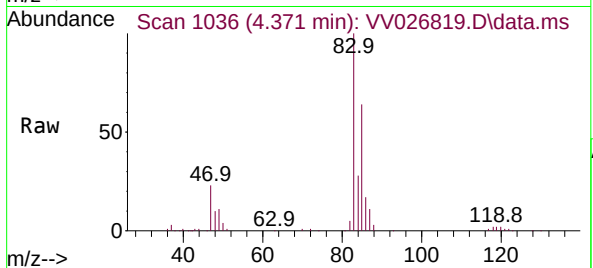
VSTD005358

Tgt Ion: 83 Resp: 209559

Ion Ratio Lower Upper

83 100

85 63.6 45.7 84.9



#27

1,2-Dichloroethane

Concen: 5.177 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VV026819.D

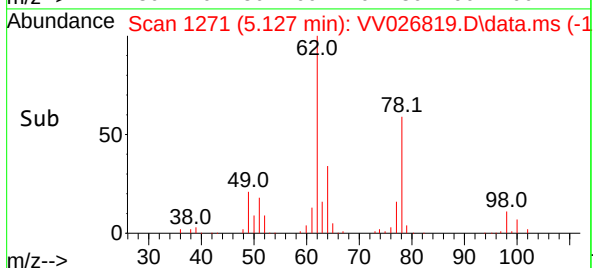
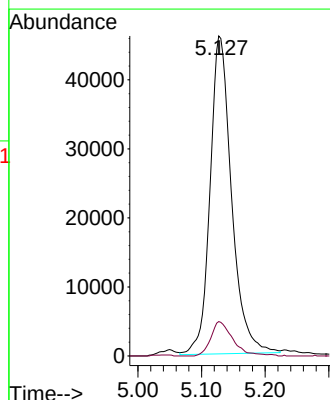
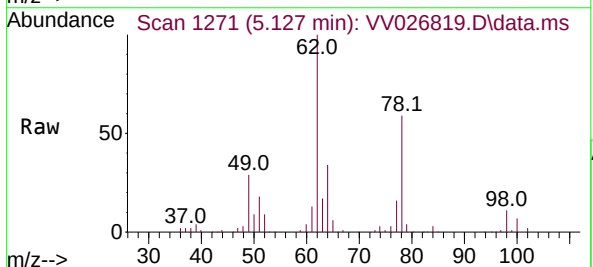
Acq: 18 Jul 2022 18:39

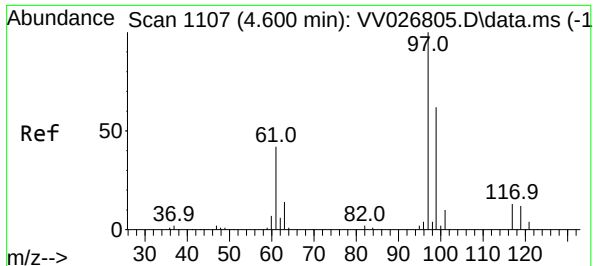
Tgt Ion: 62 Resp: 108283

Ion Ratio Lower Upper

62 100

98 10.8 8.3 12.5





#29

1,1,1-Trichloroethane

Concen: 5.126 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

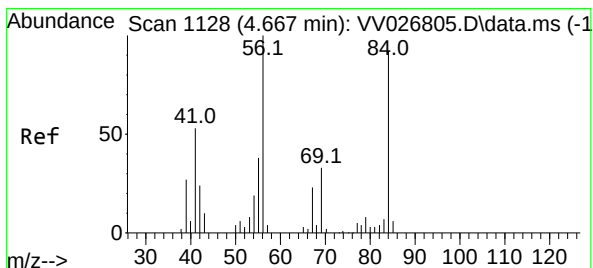
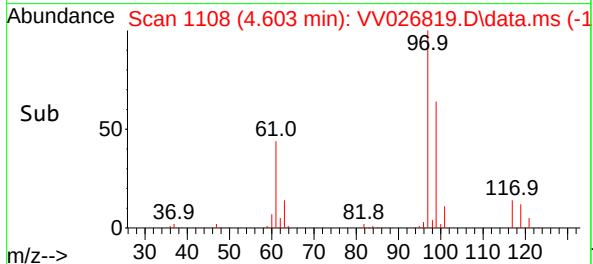
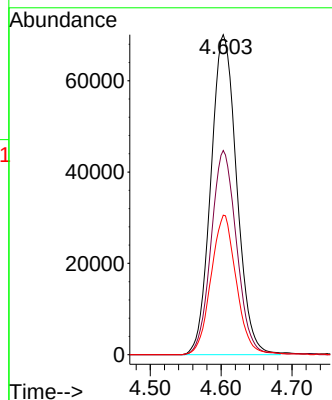
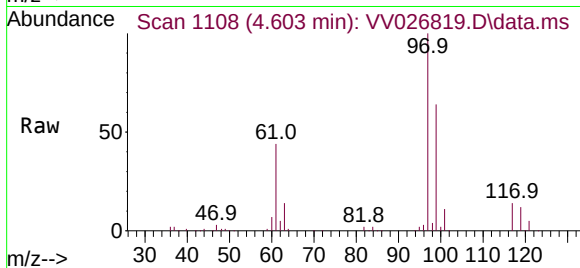
Tgt Ion: 97 Resp: 177862

Ion Ratio Lower Upper

97 100

99 63.0 51.3 76.9

61 42.8 35.1 52.7



#30

Cyclohexane

Concen: 4.762 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

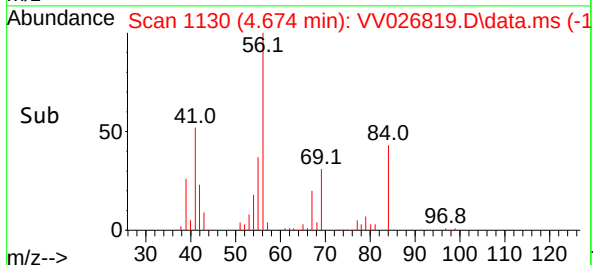
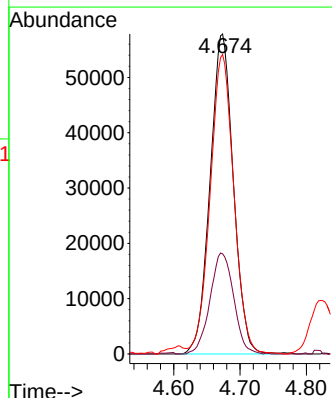
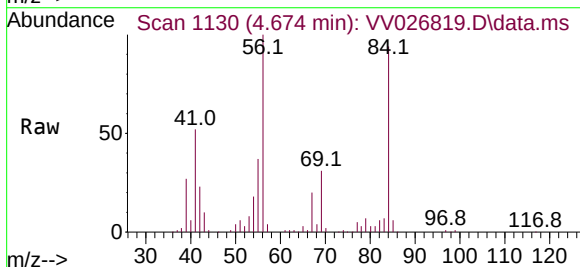
Tgt Ion: 56 Resp: 140813

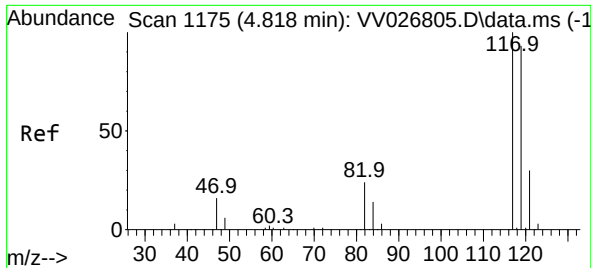
Ion Ratio Lower Upper

56 100

69 32.1 25.1 37.7

84 95.1 74.0 111.0

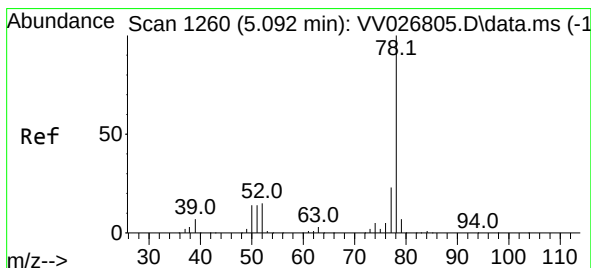
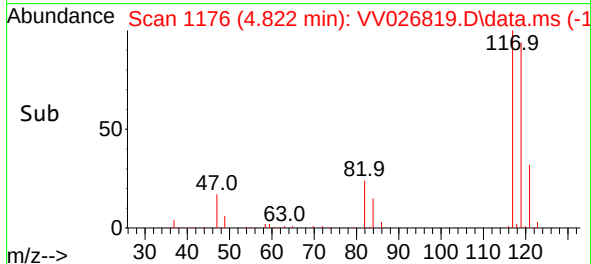
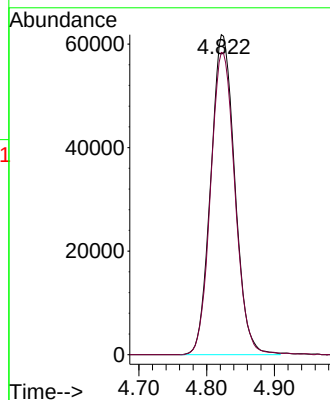
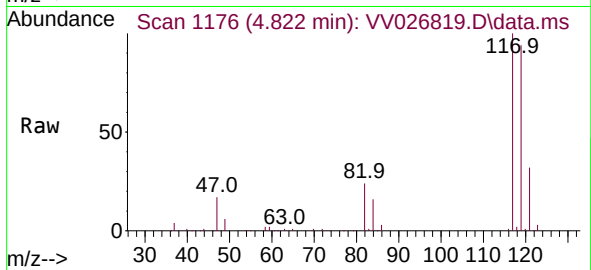




#31
Carbon tetrachloride
Concen: 4.966 ug/L
RT: 4.822 min Scan# 1175
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

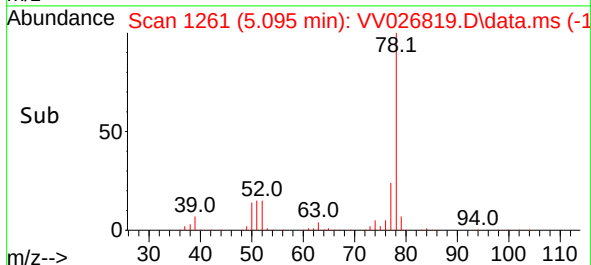
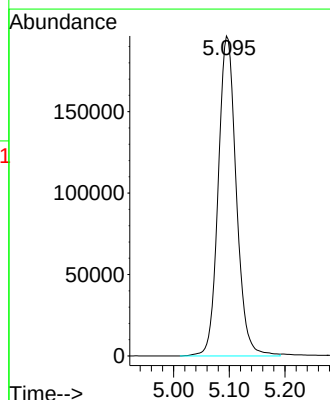
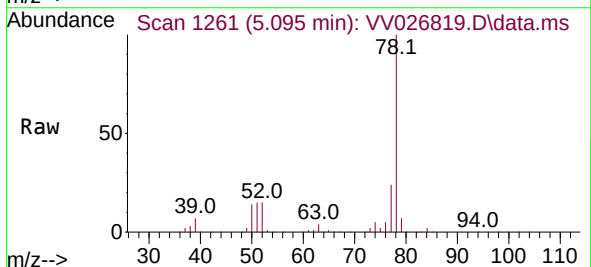
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

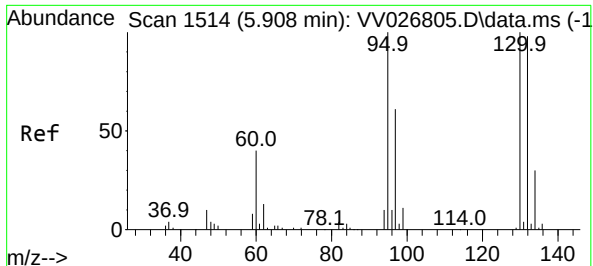
Tgt Ion:117 Resp: 152192
Ion Ratio Lower Upper
117 100
119 95.6 75.1 112.7



#33
Benzene
Concen: 5.145 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion: 78 Resp: 442909

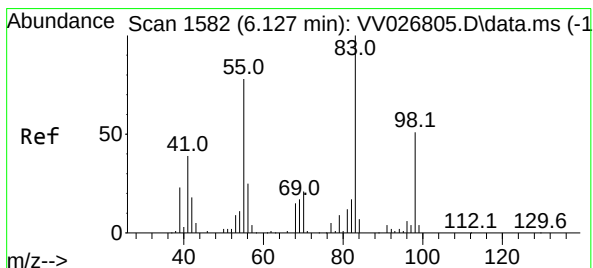
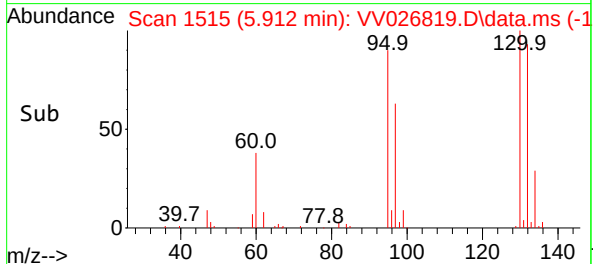
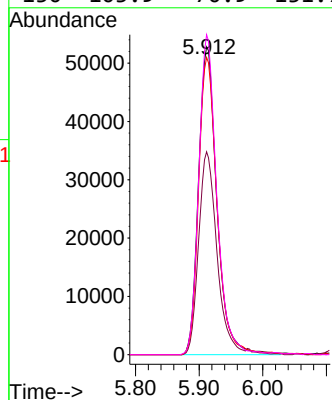
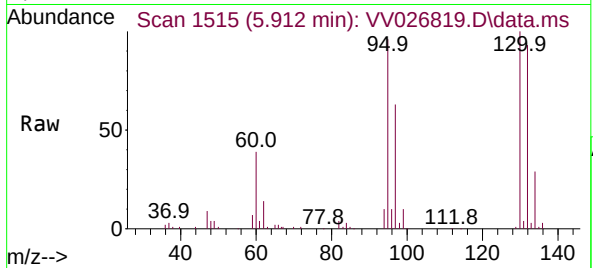




#34
Trichloroethene
Concen: 5.040 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

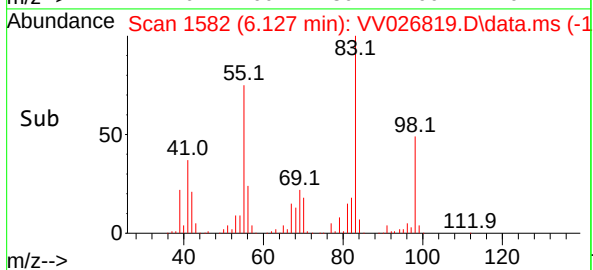
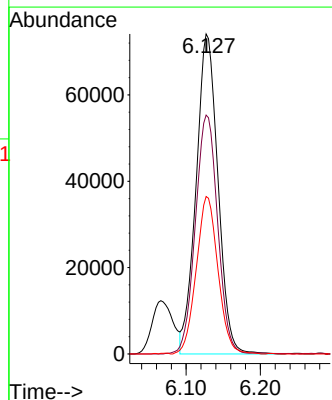
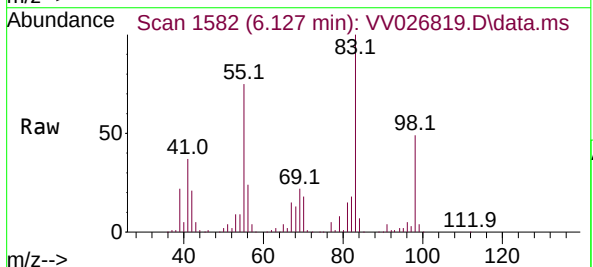
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

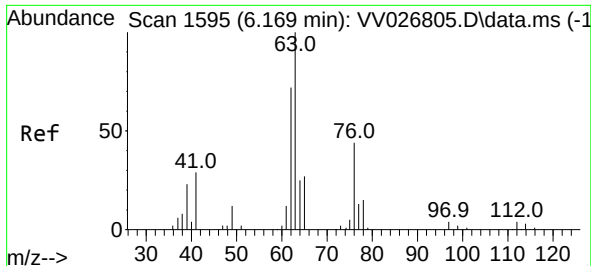
Tgt Ion: 95 Resp: 106633
Ion Ratio Lower Upper
95 100
97 65.9 44.6 82.8
132 96.5 70.2 130.4
130 103.9 70.9 131.7



#35
Methylcyclohexane
Concen: 4.699 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion: 83 Resp: 151744
Ion Ratio Lower Upper
83 100
55 76.1 59.5 89.3
98 49.0 38.3 57.5





#37

1,2-Dichloropropane

Concen: 5.489 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

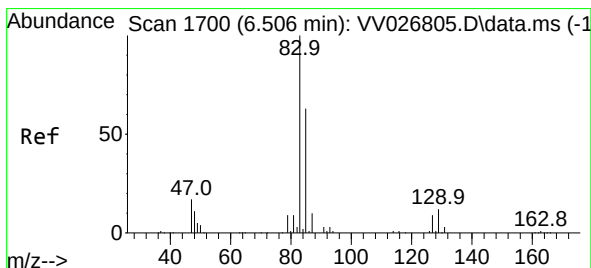
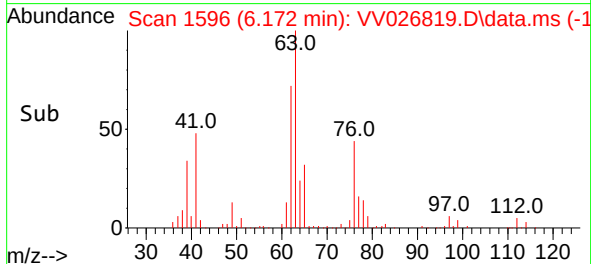
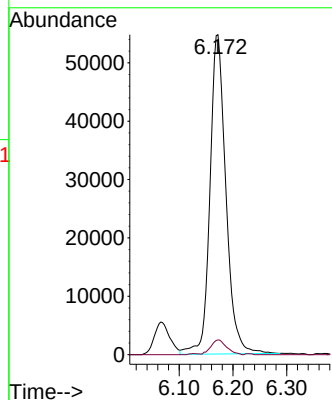
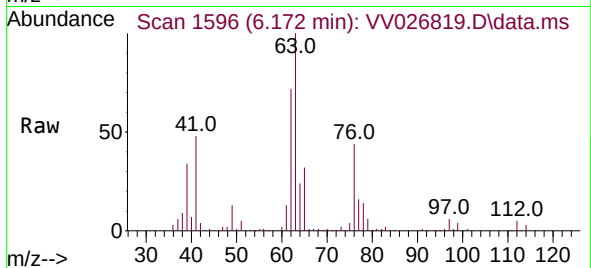
VSTD005358

Tgt Ion: 63 Resp: 112995

Ion Ratio Lower Upper

63 100

112 4.6 4.2 6.2



#38

Bromodichloromethane

Concen: 5.118 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

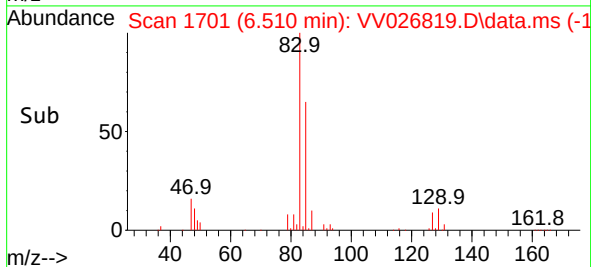
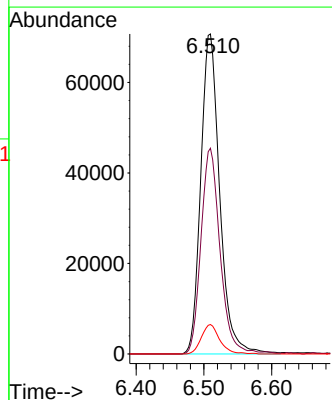
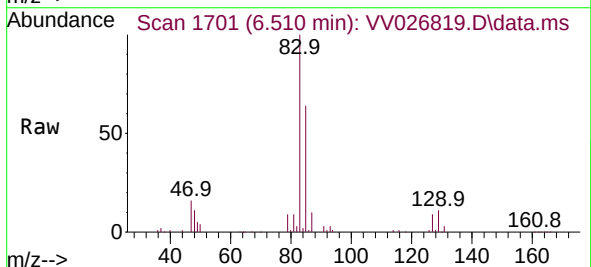
Tgt Ion: 83 Resp: 137368

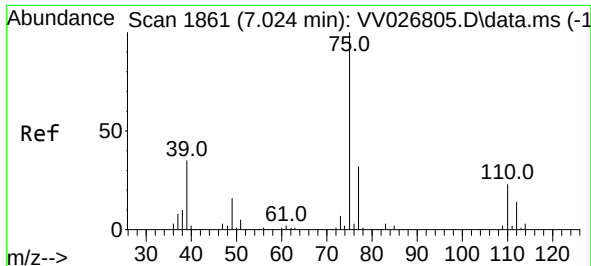
Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.4

127 9.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.856 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

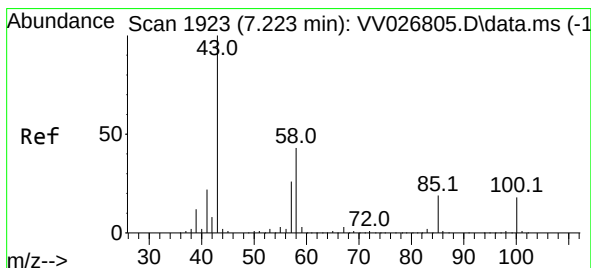
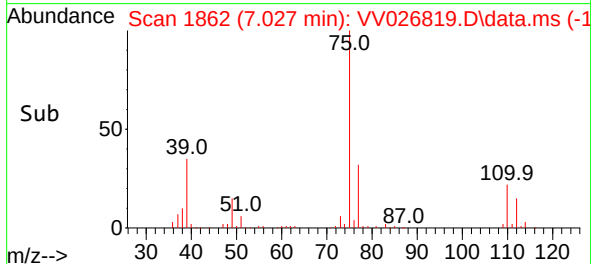
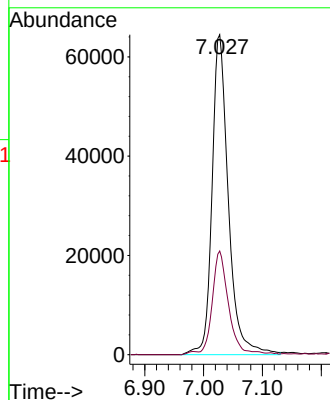
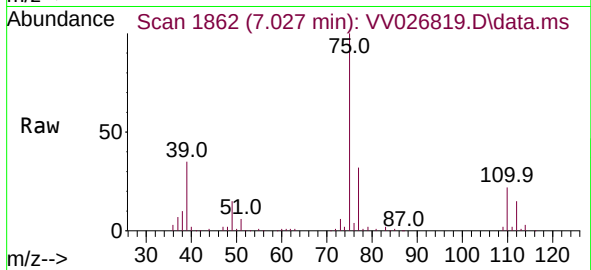
VSTD005358

Tgt Ion: 75 Resp: 124230

Ion Ratio Lower Upper

75 100

77 32.4 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 53.862 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

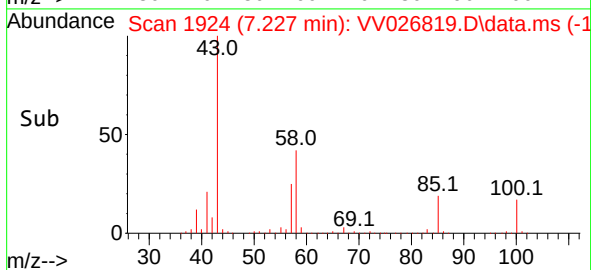
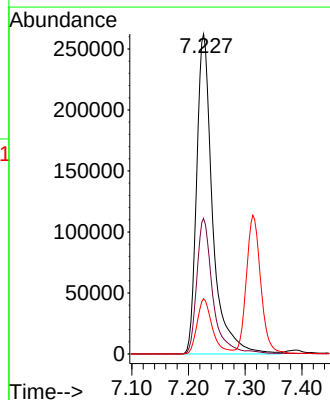
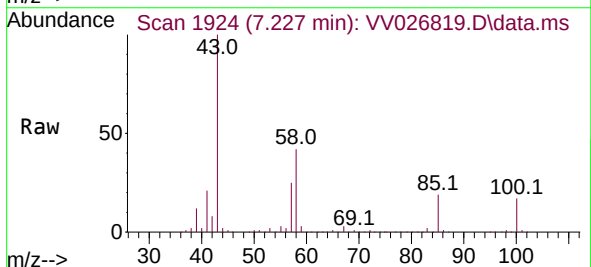
Tgt Ion: 43 Resp: 512178

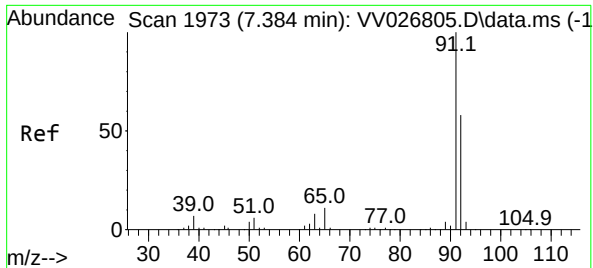
Ion Ratio Lower Upper

43 100

58 41.9 34.6 51.8

100 16.5 13.6 20.4





#42

Toluene

Concen: 5.327 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

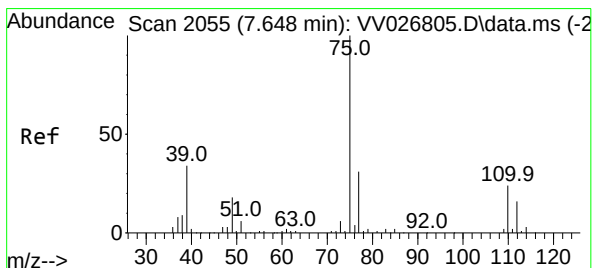
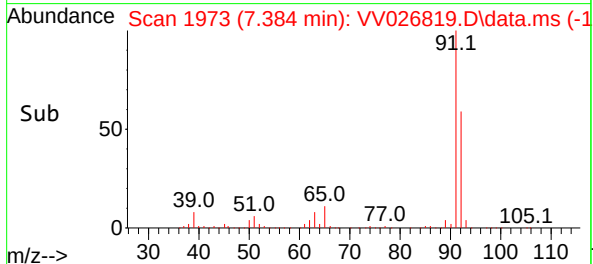
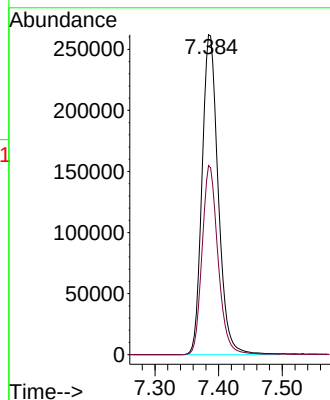
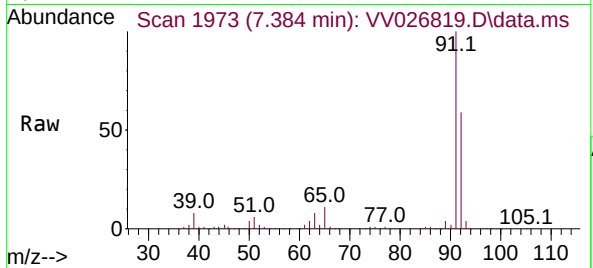
VSTD005358

Tgt Ion: 91 Resp: 463204

Ion Ratio Lower Upper

91 100

92 59.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.084 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV026819.D

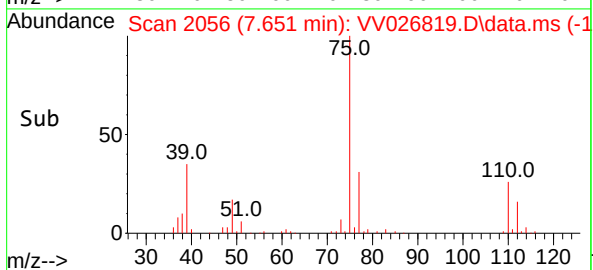
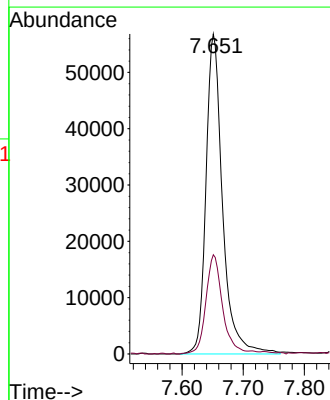
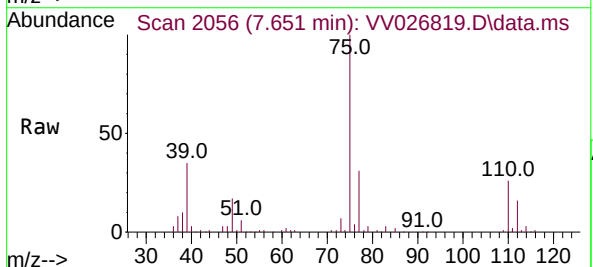
Acq: 18 Jul 2022 18:39

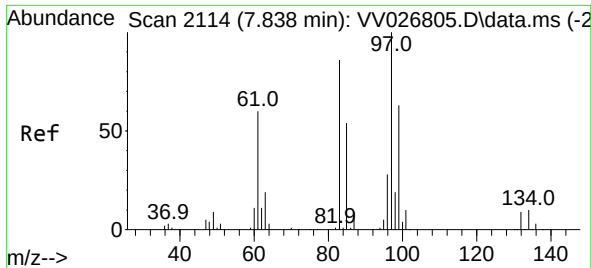
Tgt Ion: 75 Resp: 106791

Ion Ratio Lower Upper

75 100

77 31.0 22.7 42.3

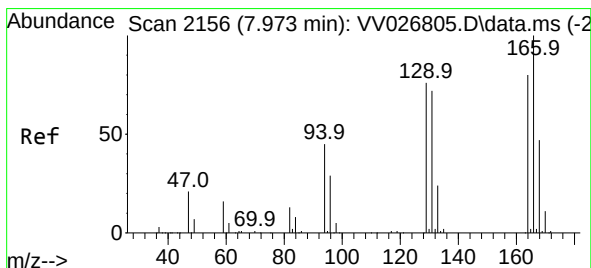
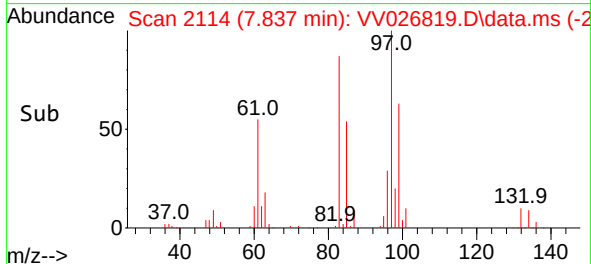
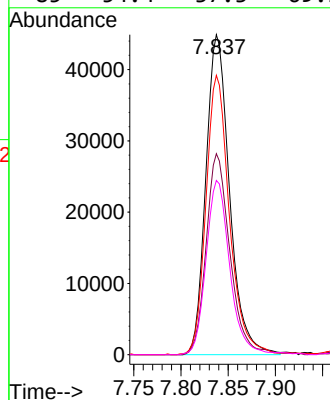
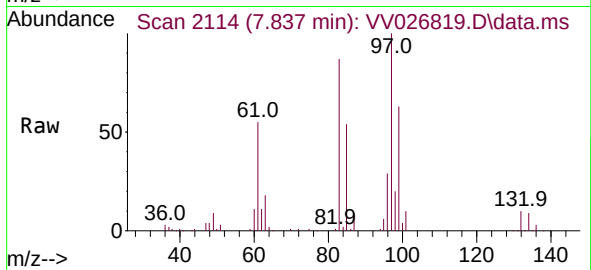




#45
1,1,2-Trichloroethane
Concen: 5.206 ug/L
RT: 7.837 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

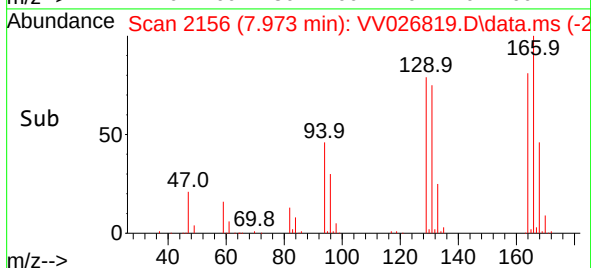
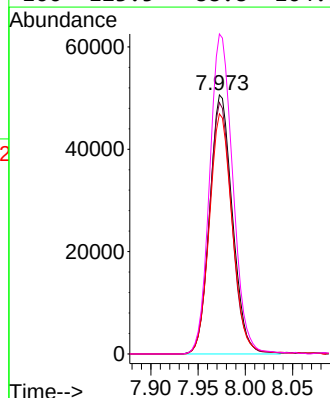
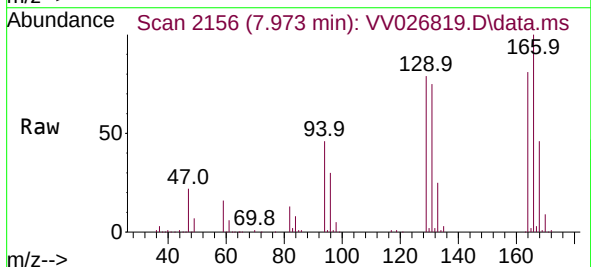
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

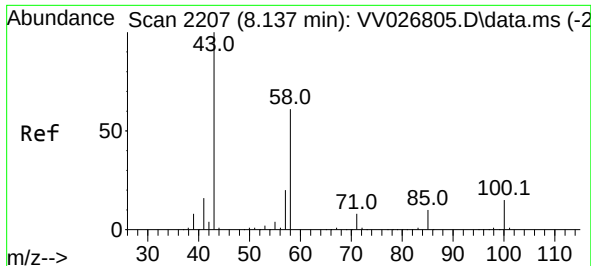
Tgt Ion: 97	Resp: 78347
Ion Ratio	Lower Upper
97 100	
99 62.8	41.9 77.9
83 87.3	58.1 107.9
85 54.4	37.3 69.3



#47
Tetrachloroethene
Concen: 5.121 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt	Ion:164	Resp:	84987
Ion	Ratio	Lower	Upper
164	100		
129	97.0	67.8	125.8
131	92.7	65.9	122.5
166	123.5	88.8	164.8

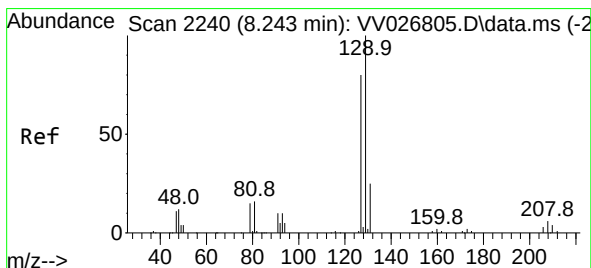
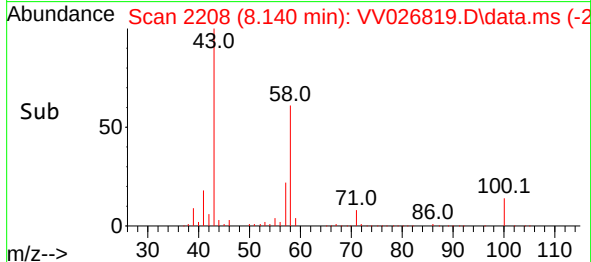
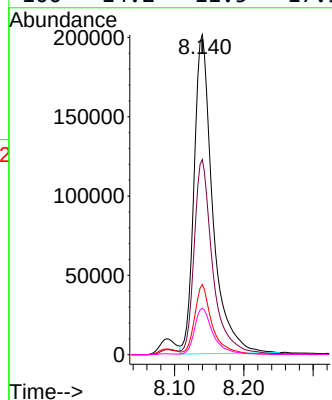
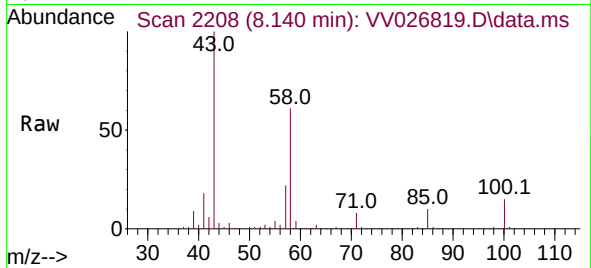




#48
2-Hexanone
Concen: 54.730 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

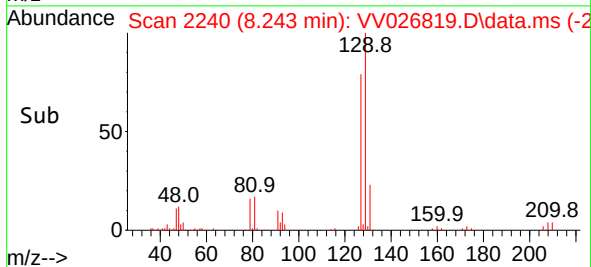
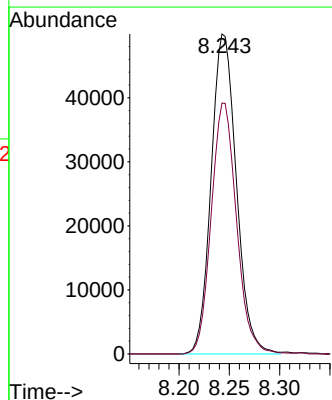
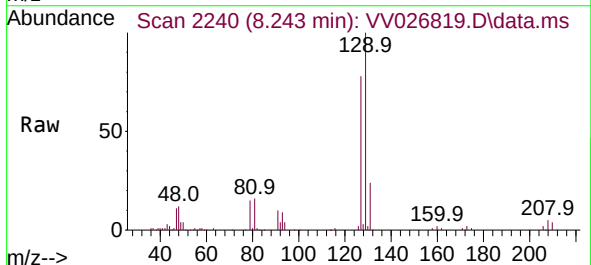
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

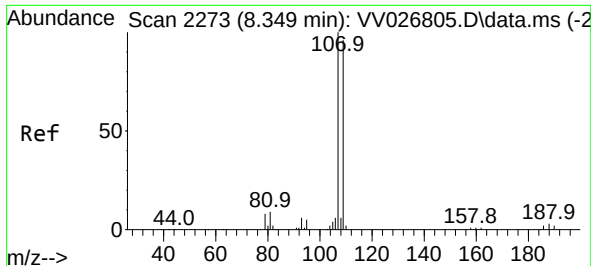
Tgt Ion: 43 Resp: 376667
Ion Ratio Lower Upper
43 100
58 60.4 47.9 71.9
57 20.5 16.3 24.5
100 14.2 11.5 17.3



#49
Dibromochloromethane
Concen: 5.030 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion: 129 Resp: 87232
Ion Ratio Lower Upper
129 100
127 78.4 55.7 103.5





#50

1,2-Dibromoethane

Concen: 5.219 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

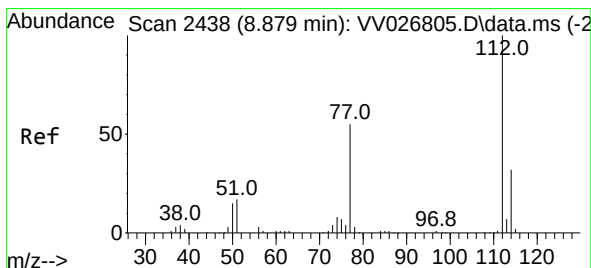
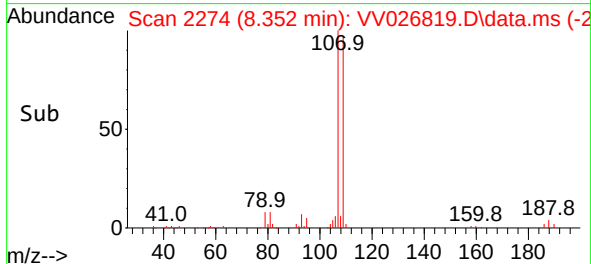
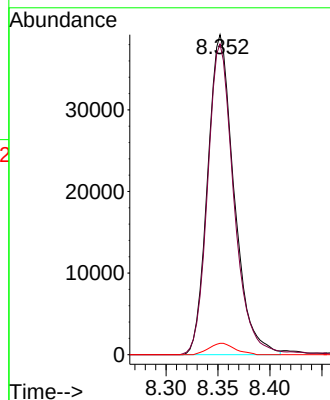
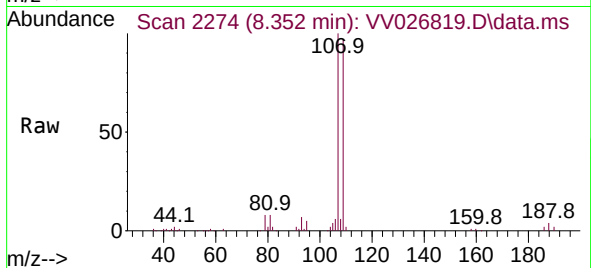
Tgt Ion:107 Resp: 69499

Ion Ratio Lower Upper

107 100

109 97.1 68.0 126.4

188 3.5 2.8 4.2



#51

Chlorobenzene

Concen: 5.198 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

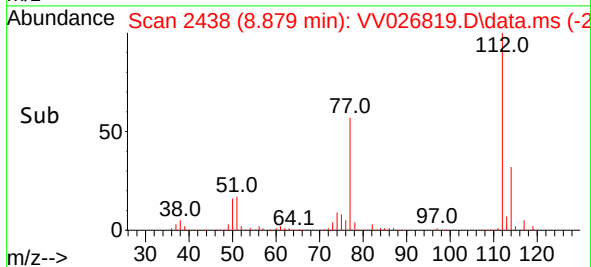
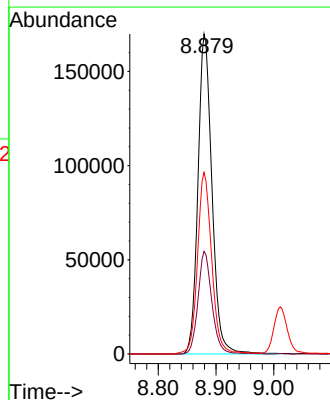
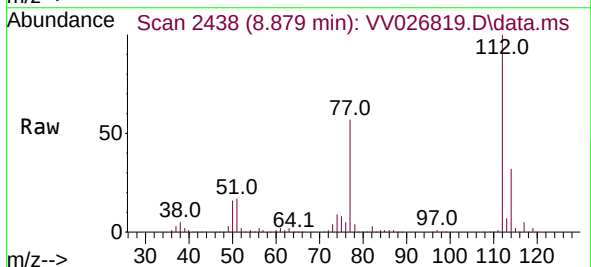
Tgt Ion:112 Resp: 285730

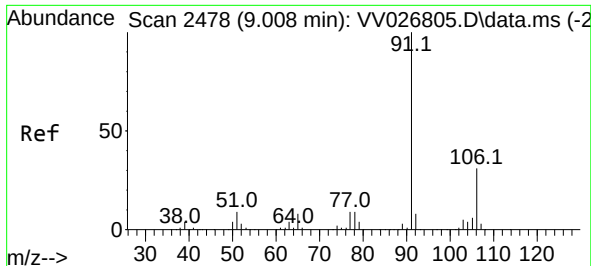
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

77 56.8 46.6 70.0

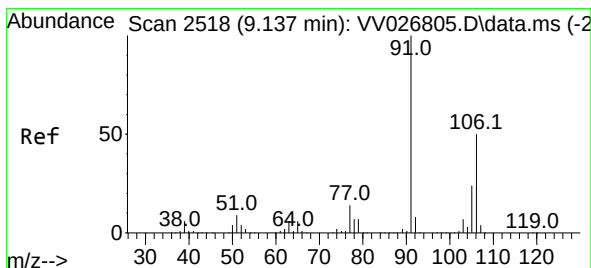
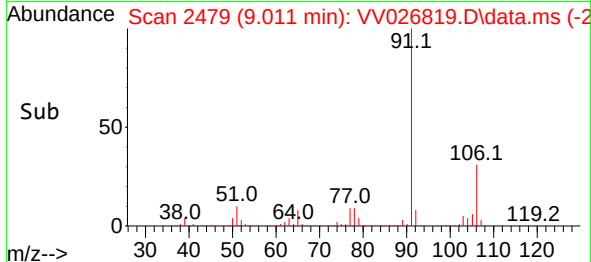
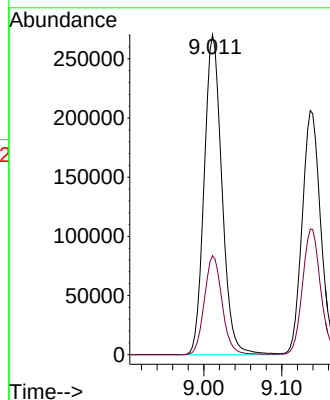
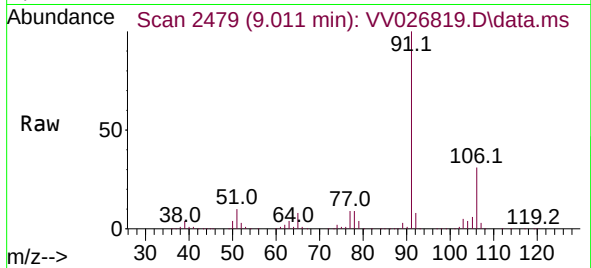




#52
Ethylbenzene
Concen: 4.984 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

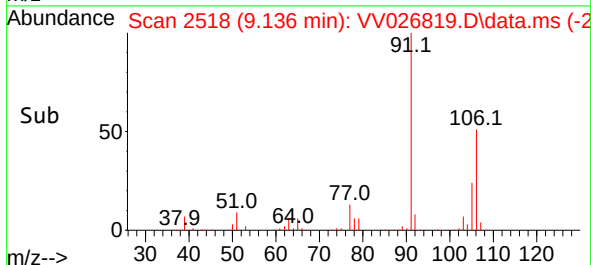
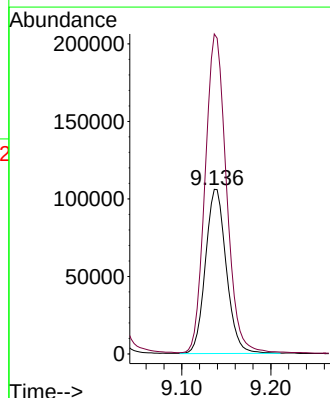
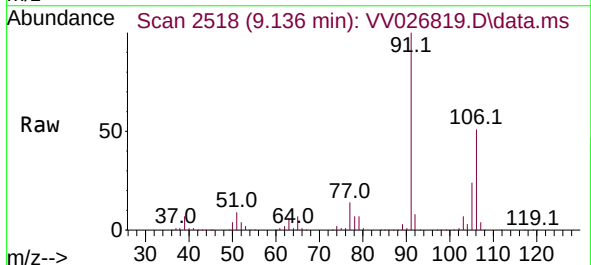
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

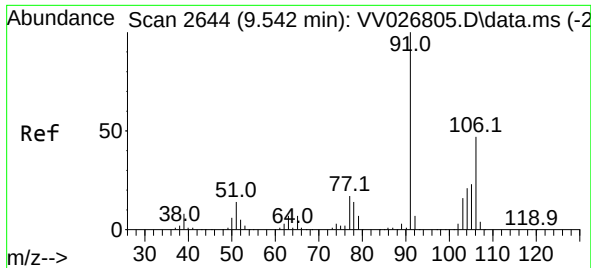
Tgt Ion: 91 Resp: 428812
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-Xylene
Concen: 5.144 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion: 106 Resp: 172122
Ion Ratio Lower Upper
106 100
91 194.4 139.3 258.7

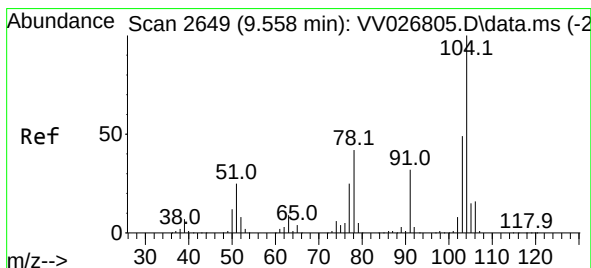
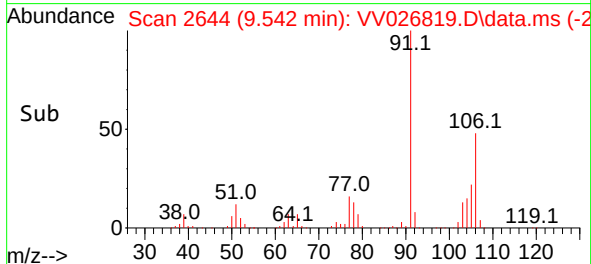
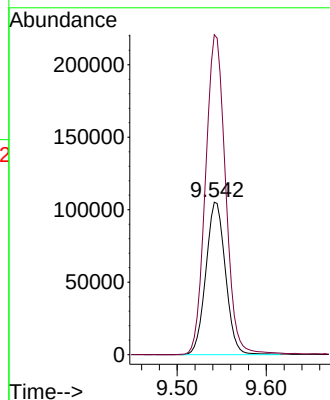
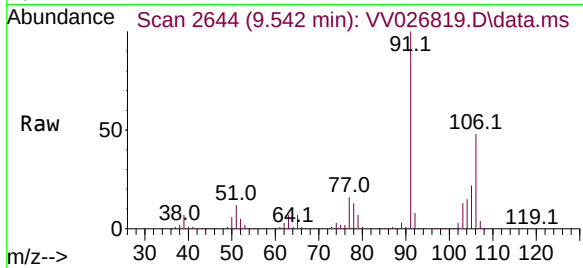




#54
o-Xylene
Concen: 5.050 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

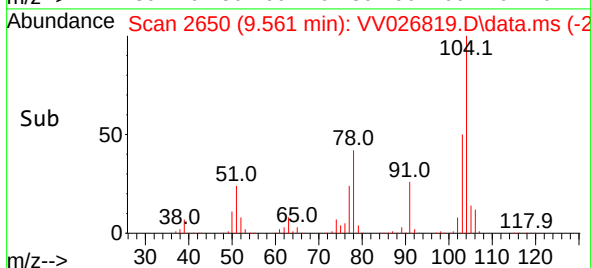
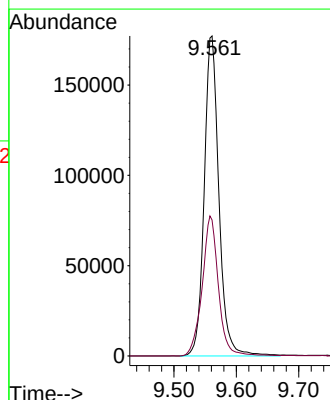
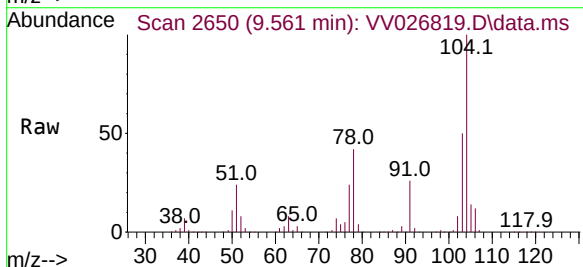
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

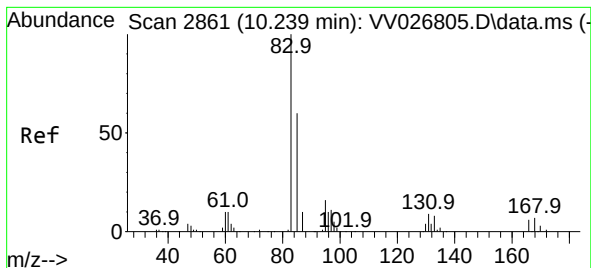
Tgt Ion:106 Resp: 160600
Ion Ratio Lower Upper
106 100
91 209.9 151.1 280.7



#55
Styrene
Concen: 5.219 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion:104 Resp: 290852
Ion Ratio Lower Upper
104 100
78 42.5 29.5 54.9

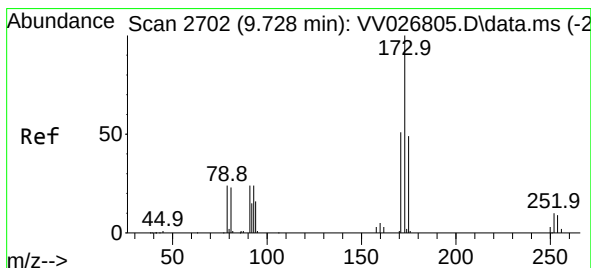
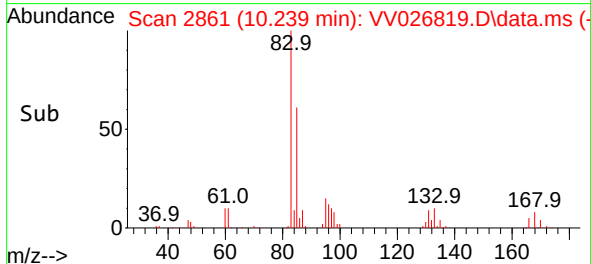
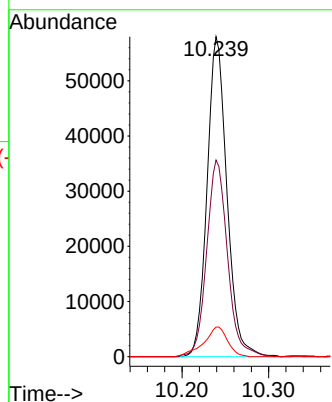
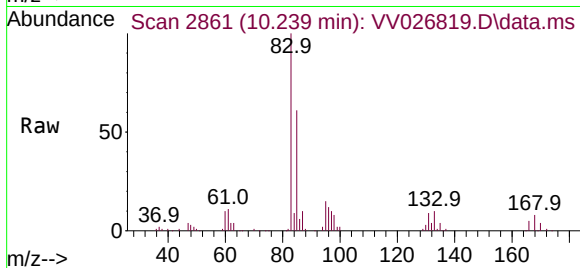




#57
1,1,2,2-Tetrachloroethane
Concen: 5.176 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

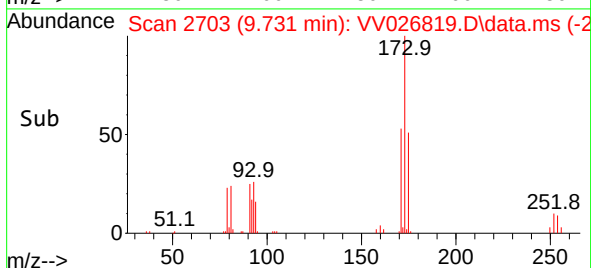
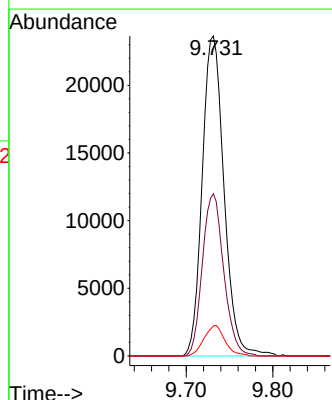
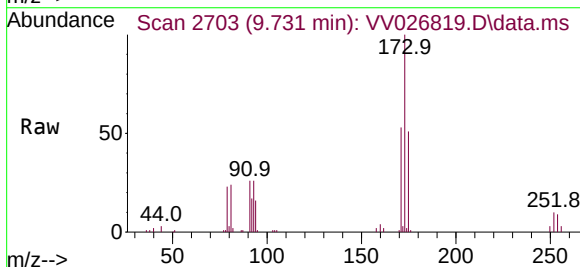
Instrument : MSVOA_V
ClientSampleId : VSTD005358

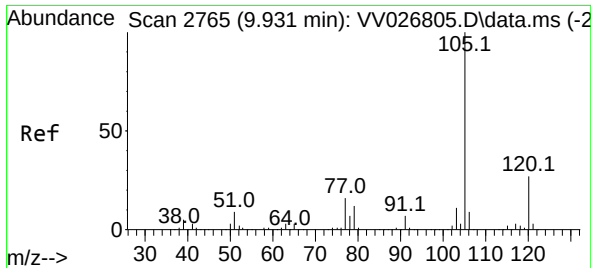
Tgt Ion: 83 Resp: 92200
Ion Ratio Lower Upper
83 100
85 61.5 43.6 81.0
131 9.3 7.4 11.2



#59
Bromoform
Concen: 4.740 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.003 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion: 173 Resp: 41370
Ion Ratio Lower Upper
173 100
175 49.5 40.7 61.1
254 9.1 6.5 9.7

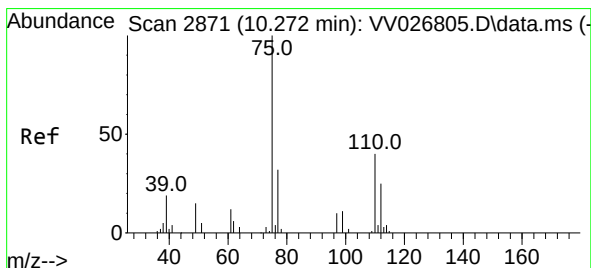
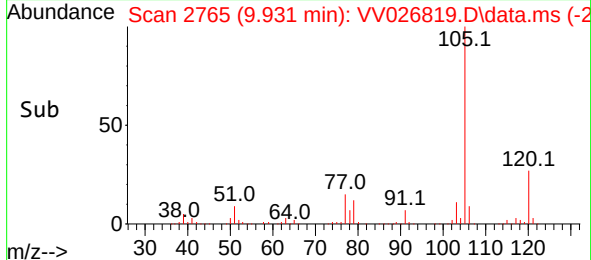
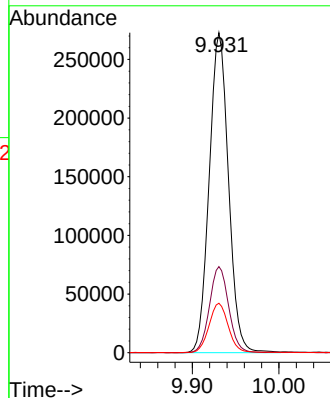
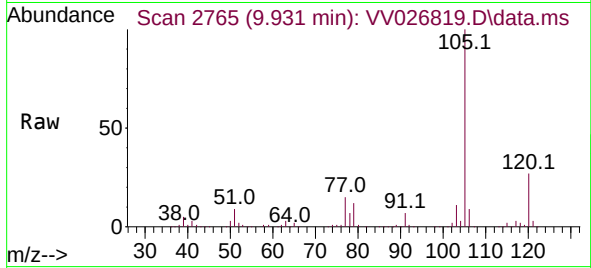




#60
Isopropylbenzene
Concen: 4.966 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

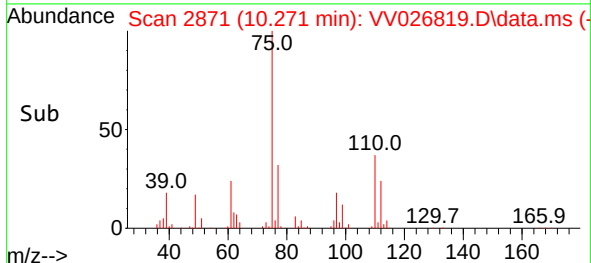
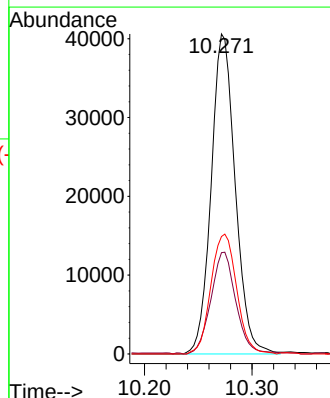
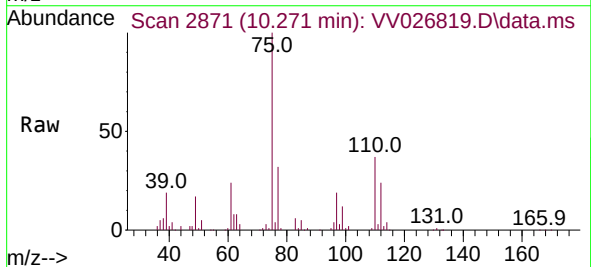
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

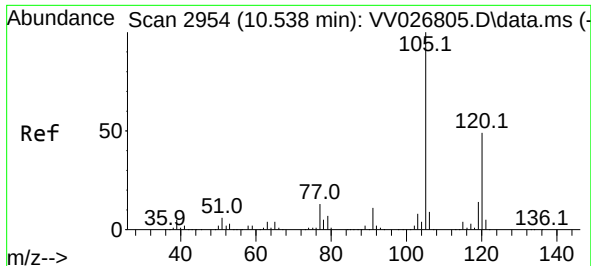
Tgt Ion:105 Resp: 421342
Ion Ratio Lower Upper
105 100
120 26.8 20.7 31.1
77 15.6 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.031 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion: 75 Resp: 63110
Ion Ratio Lower Upper
75 100
77 33.2 25.4 38.0
110 40.1 31.8 47.6

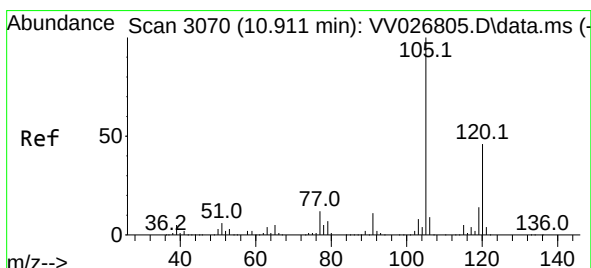
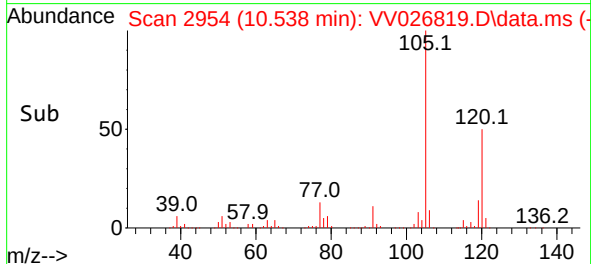
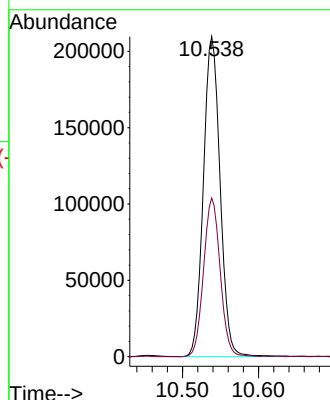
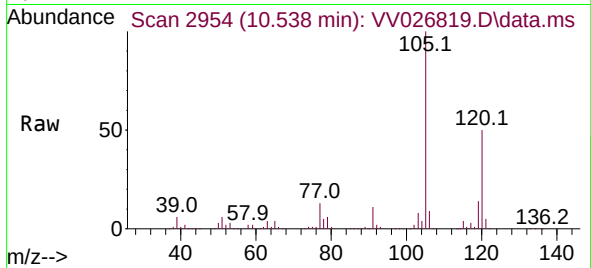




#62
 1,3,5-Trimethylbenzene
 Concen: 4.737 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. -0.000 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

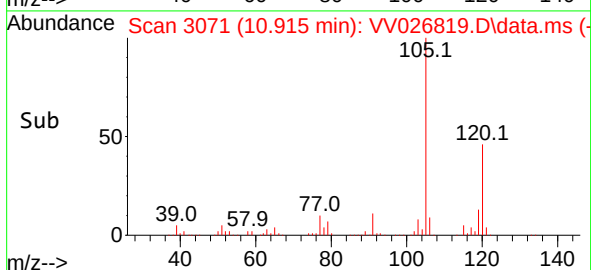
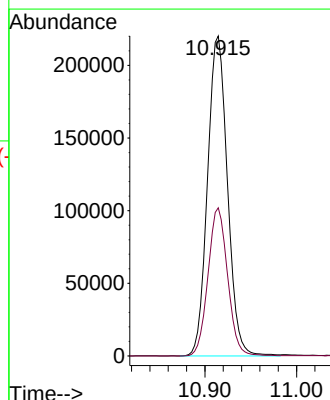
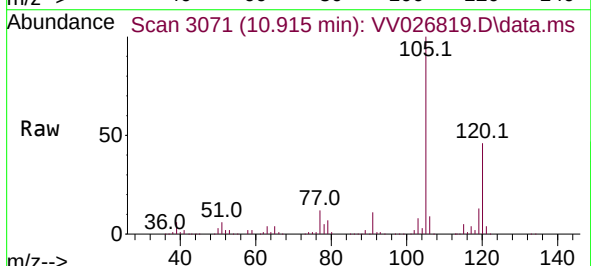
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

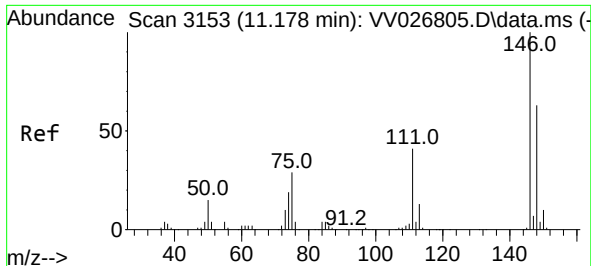
Tgt Ion:105 Resp: 319771
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.851 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.003 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

Tgt Ion:105 Resp: 332491
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.8 55.2

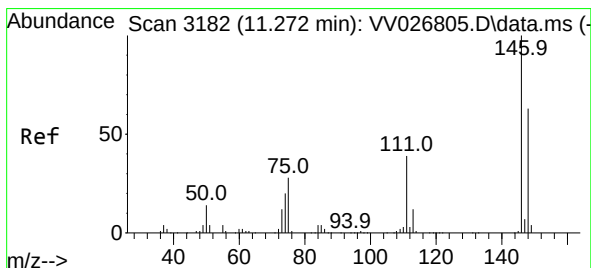
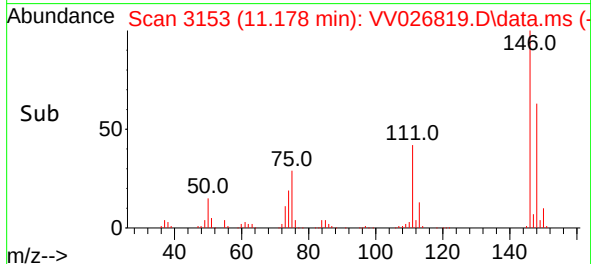
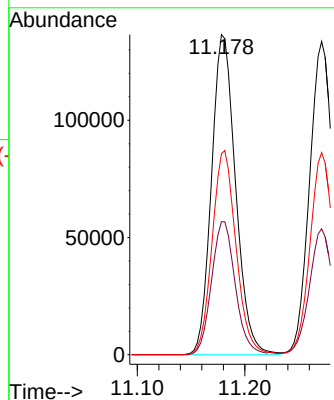
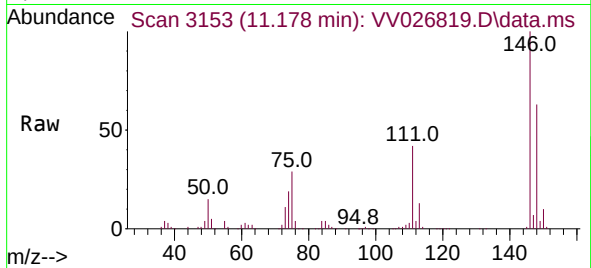




#64
1,3-Dichlorobenzene
Concen: 5.119 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

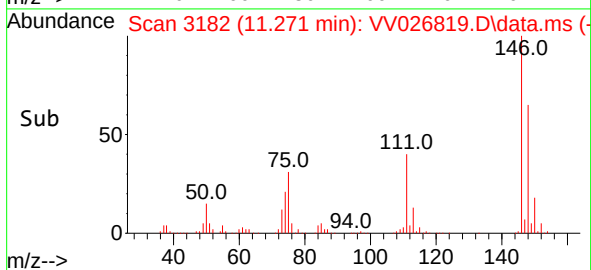
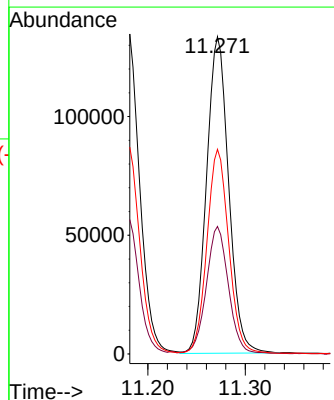
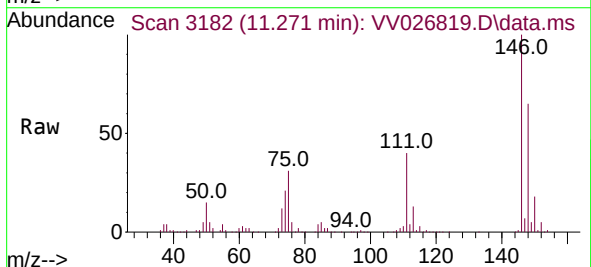
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

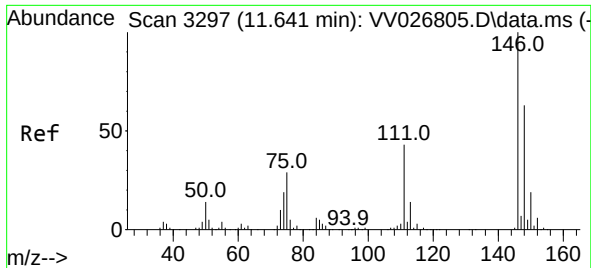
Tgt Ion:146 Resp: 212806
Ion Ratio Lower Upper
146 100
111 41.6 27.9 51.7
148 62.8 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 4.969 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV026819.D
Acq: 18 Jul 2022 18:39

Tgt Ion:146 Resp: 210042
Ion Ratio Lower Upper
146 100
111 40.2 26.8 49.8
148 64.5 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 5.056 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. -0.000 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

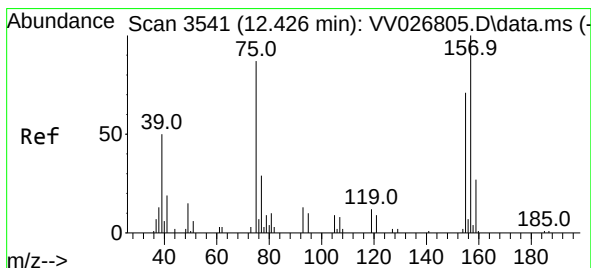
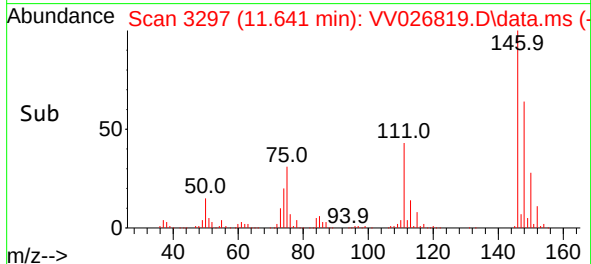
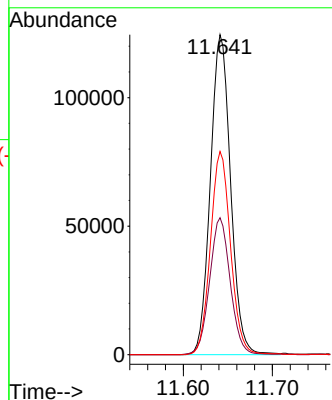
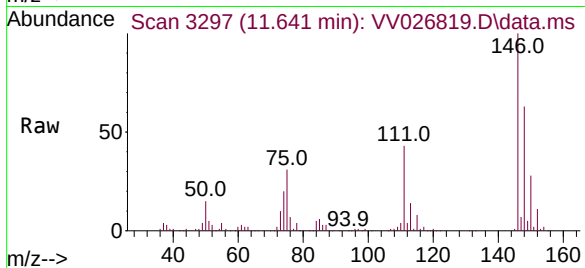
Tgt Ion:146 Resp: 196301

Ion Ratio Lower Upper

146 100

111 42.8 34.6 52.0

148 63.5 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.685 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. -0.000 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

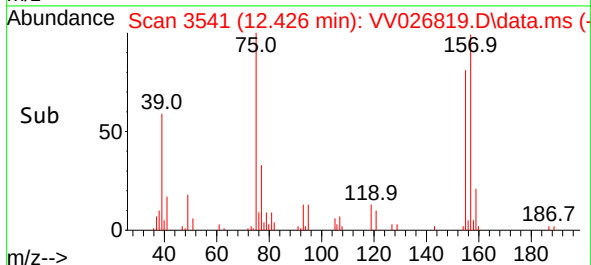
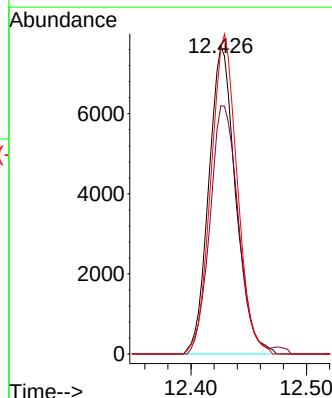
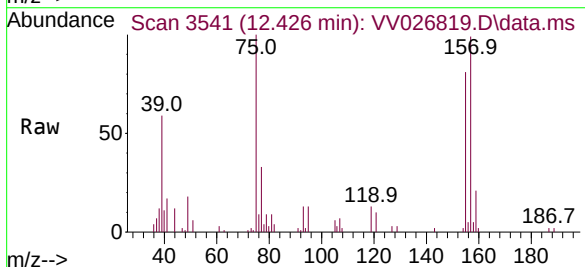
Tgt Ion: 75 Resp: 12459

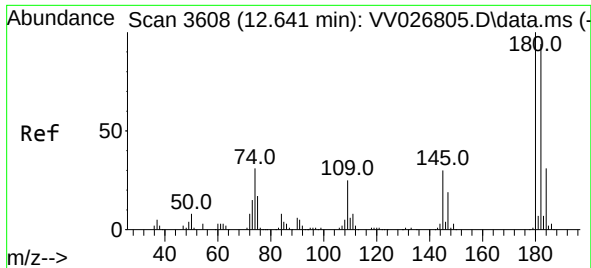
Ion Ratio Lower Upper

75 100

155 80.7 60.3 90.5

157 99.3 78.2 117.4

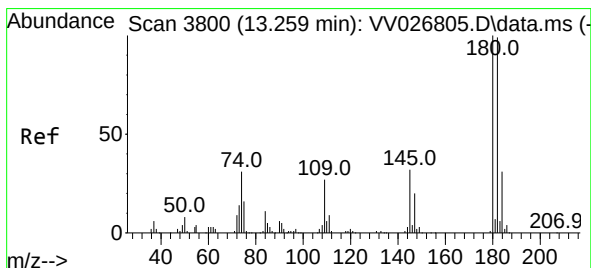
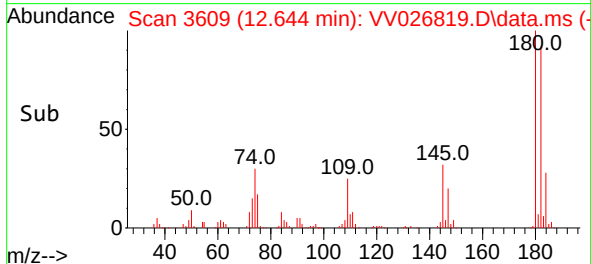
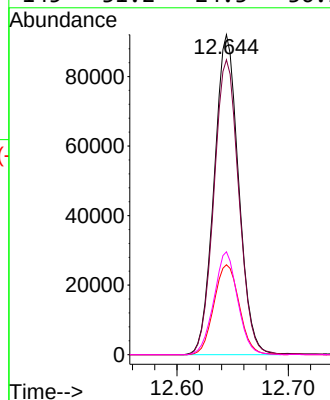
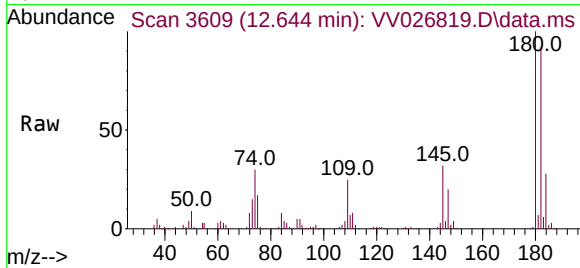




#69
 1,3,5-Trichlorobenzene
 Concen: 4.773 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.003 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

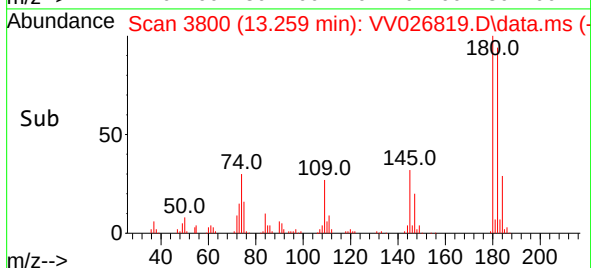
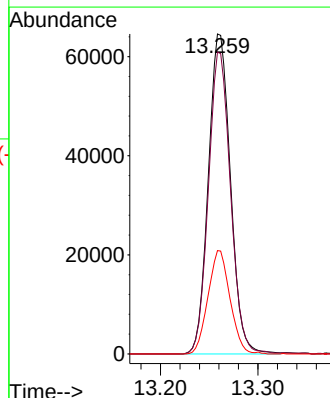
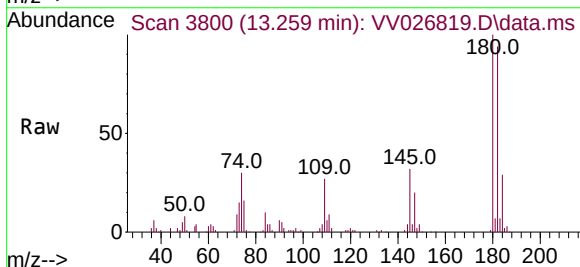
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

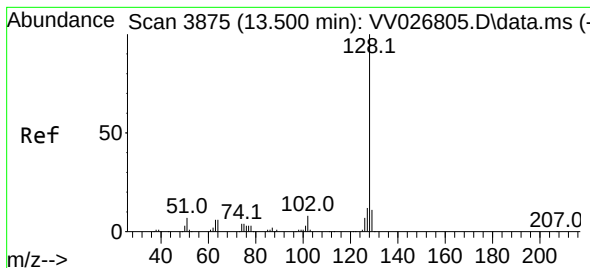
Tgt Ion:180 Resp: 140260
 Ion Ratio Lower Upper
 180 100
 182 93.9 74.0 111.0
 184 29.2 23.1 34.7
 145 31.2 24.3 36.5



#70
 1,2,4-trichlorobenzene
 Concen: 4.559 ug/L
 RT: 13.259 min Scan# 3800
 Delta R.T. -0.000 min
 Lab File: VV026819.D
 Acq: 18 Jul 2022 18:39

Tgt Ion:180 Resp: 101885
 Ion Ratio Lower Upper
 180 100
 182 94.2 74.7 112.1
 145 32.2 24.7 37.1





#71

Naphthalene

Concen: 4.322 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

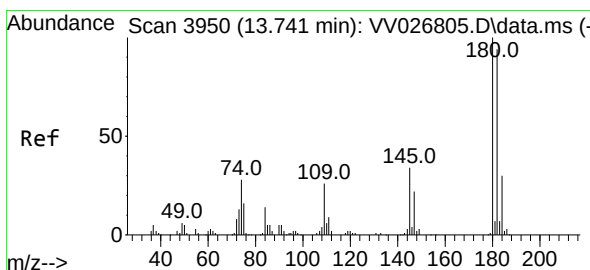
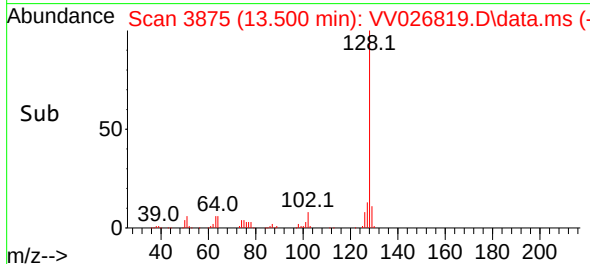
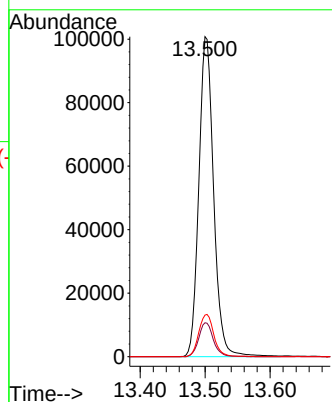
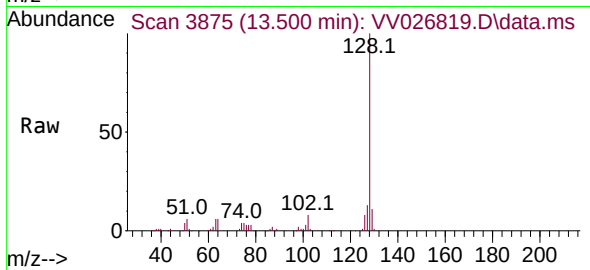
Tgt Ion:128 Resp: 160026

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

127 13.5 10.7 16.1



#72

1,2,3-Trichlorobenzene

Concen: 4.592 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.003 min

Lab File: VV026819.D

Acq: 18 Jul 2022 18:39

Tgt Ion:180 Resp: 95472

Ion Ratio Lower Upper

180 100

182 94.2 75.0 112.4

145 33.3 26.0 39.0

