

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041724\
 Data File : VX041128.D
 Acq On : 17 Apr 2024 15:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 02:04:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 01:57:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	269351	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	249314	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	137438	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	90917	47.172	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.340%
7) Chloroethane-d5	1.648	69	44010	45.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.780%
11) 1,1-Dichloroethene-d2	2.288	65	39118	47.375	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.740%
21) 2-Butanone-d5	4.471	46	130261	118.392	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.390%
24) Chloroform-d	5.056	84	180914	50.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.952	65	115212	51.108	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.220%
32) Benzene-d6	5.970	84	357045	49.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.440%
36) 1,2-Dichloropropane-d6	7.305	67	105691	50.844	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.680%
41) Toluene-d8	8.647	98	331703	49.238	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.480%
43) trans-1,3-Dichloroprop...	8.952	79	49101	52.801	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.600%
47) 2-Hexanone-d5	9.390	63	95027	112.597	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.600%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	161747	53.333	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.660%
66) 1,2-Dichlorobenzene-d4	12.317	152	149449	50.564	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.120%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	78483	46.568	ug/L	99
3) Chloromethane	1.300	50	78603	48.720	ug/L	97
5) Vinyl chloride	1.374	62	82293	47.341	ug/L	100
6) Bromomethane	1.599	94	42898	47.095	ug/L	100
8) Chloroethane	1.666	64	27411	40.221	ug/L	94
9) Trichlorofluoromethane	1.855	101	117489	45.074	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	83031	47.029	ug/L	98
12) 1,1-Dichloroethene	2.300	96	71052	47.105	ug/L #	77
13) Acetone	2.398	43	93152	105.553	ug/L	99
14) Carbon disulfide	2.495	76	144033	47.035	ug/L	100
15) Methyl Acetate	2.709	43	100062	53.376	ug/L	99
16) Methylene chloride	2.782	84	84104	49.692	ug/L	97
17) trans-1,2-Dichloroethene	3.081	96	74055	48.586	ug/L	98
18) Methyl tert-butyl Ether	3.123	73	270263	51.506	ug/L	100
19) 1,1-Dichloroethane	3.605	63	142882	49.196	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	89992	49.527	ug/L	95
22) 2-Butanone	4.574	43	143798	108.756	ug/L	97
23) Bromochloromethane	4.903	128	47484	50.193	ug/L	96
25) Chloroform	5.092	83	156495	50.156	ug/L	100

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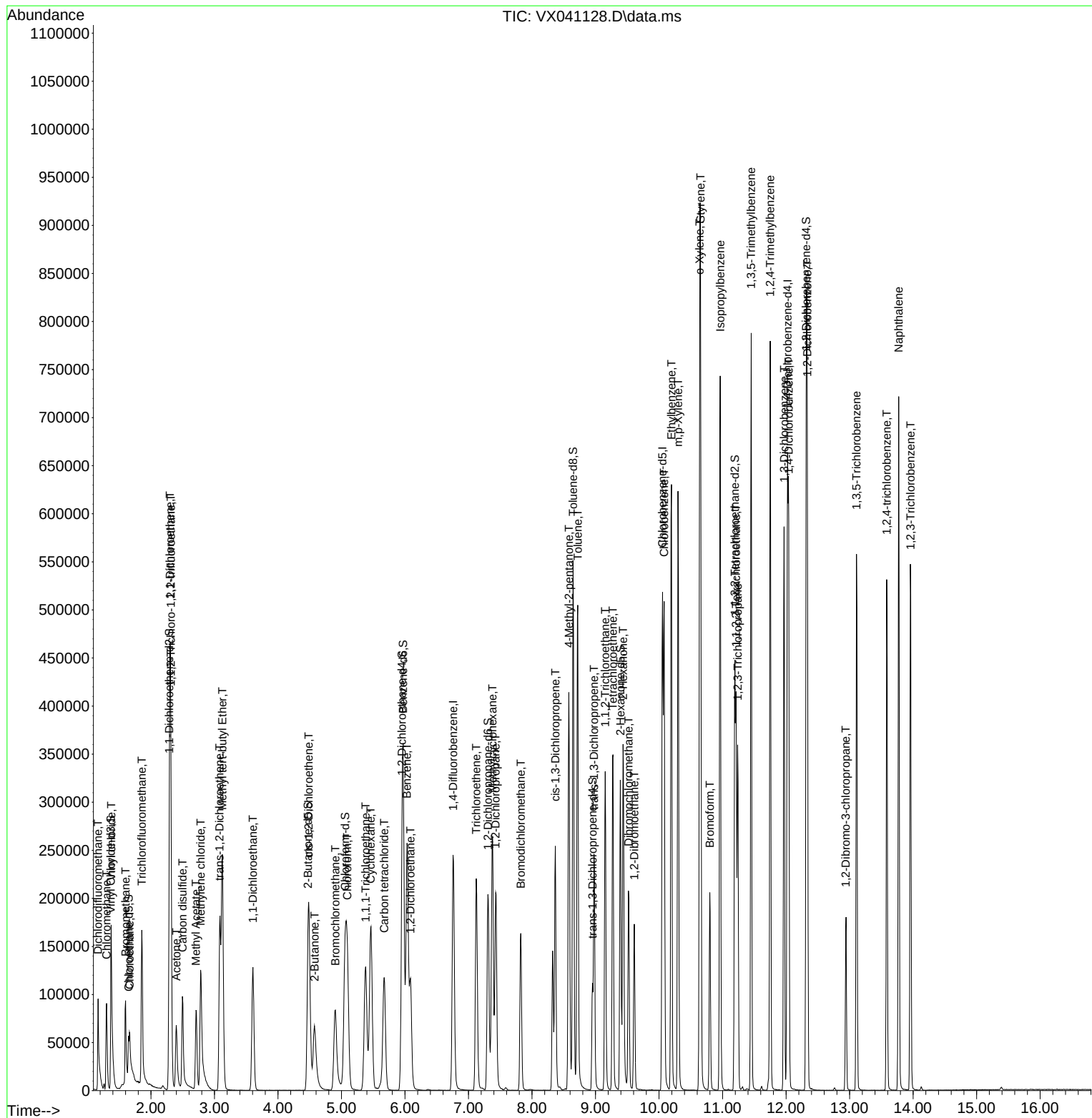
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	124691	50.640	ug/L	99
29) Cyclohexane	5.458	56	118426	47.218	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	131014	48.437	ug/L	99
31) Carbon tetrachloride	5.672	117	111741	48.054	ug/L	99
33) Benzene	6.031	78	319582	49.146	ug/L	100
34) Trichloroethene	7.123	95	83665	47.529	ug/L	98
35) Methylcyclohexane	7.379	83	126773	47.385	ug/L	99
37) 1,2-Dichloropropane	7.427	63	85088	50.460	ug/L	100
38) Bromodichloromethane	7.824	83	109200	50.663	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	131522	51.217	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	270850	108.084	ug/L	100
42) Toluene	8.720	91	346079	49.349	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	120418	51.466	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	92844	51.085	ug/L	99
46) Tetrachloroethene	9.275	164	79295	47.048	ug/L	99
48) 2-Hexanone	9.433	43	210793	108.313	ug/L	98
49) Dibromochloromethane	9.518	129	95150	51.540	ug/L	98
50) 1,2-Dibromoethane	9.610	107	97528	51.521	ug/L	100
51) Chlorobenzene	10.079	112	237612	48.612	ug/L	100
52) Ethylbenzene	10.195	91	381758	48.859	ug/L	100
53) m,p-Xylene	10.299	106	151336	48.926	ug/L	99
54) o-Xylene	10.640	106	154171	49.767	ug/L	100
55) Styrene	10.652	104	257535	49.958	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	149734	51.601	ug/L	99
59) Bromoform	10.799	173	79977	51.524	ug/L	99
60) Isopropylbenzene	10.963	105	400481	49.403	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	115702	51.064	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	331219	50.040	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	331415	50.340	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	199897	48.329	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	202787	48.061	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	208796	48.677	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.939	75	31752	54.915	ug/L	81
69) 1,3,5-Trichlorobenzene	13.109	180	153412	47.629	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	138499	47.682	ug/L	99
71) Naphthalene	13.774	128	446177	53.519	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	146842	48.425	ug/L	99

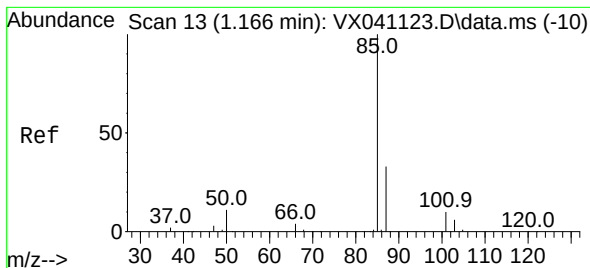
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.568 ug/L

RT: 1.166 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

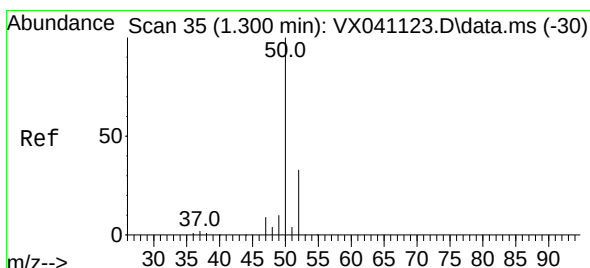
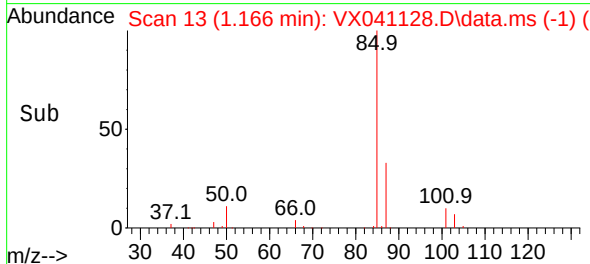
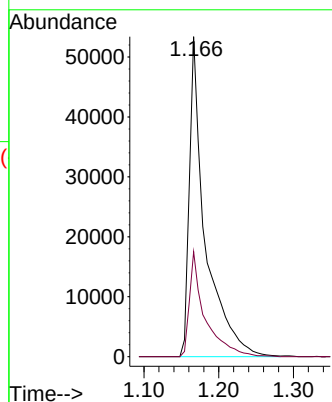
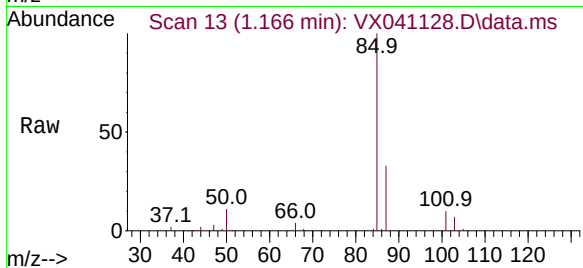
ClientSampleId :

Tgt Ion: 85 Resp: 78483

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



#3

Chloromethane

Concen: 48.720 ug/L

RT: 1.300 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX041128.D

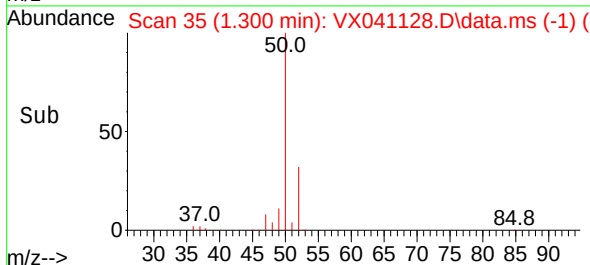
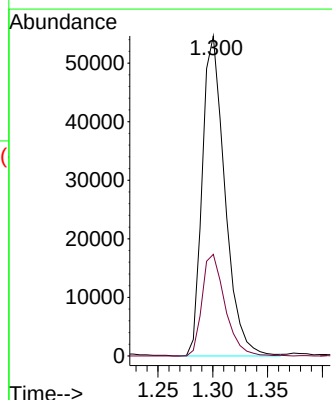
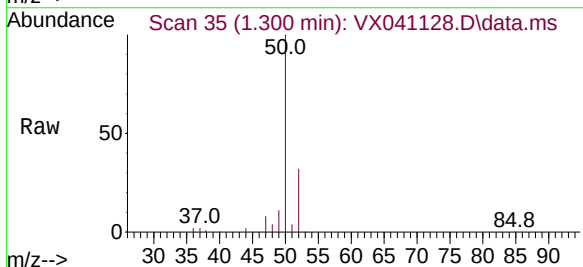
Acq: 17 Apr 2024 15:44

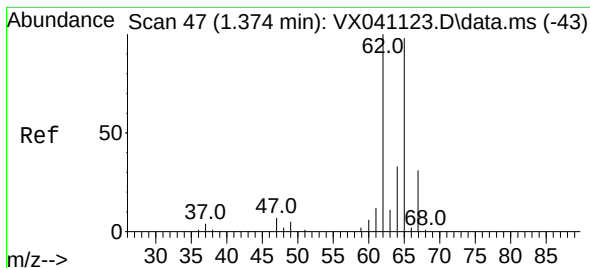
Tgt Ion: 50 Resp: 78603

Ion Ratio Lower Upper

50 100

52 31.7 23.2 43.2





#5

Vinyl chloride

Concen: 47.341 ug/L

RT: 1.374 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

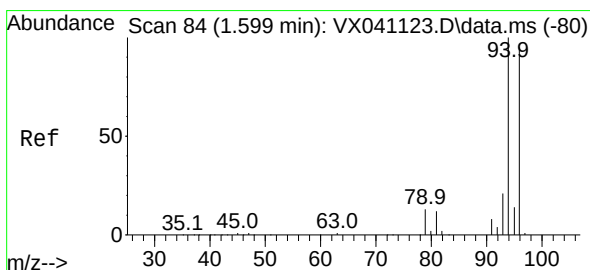
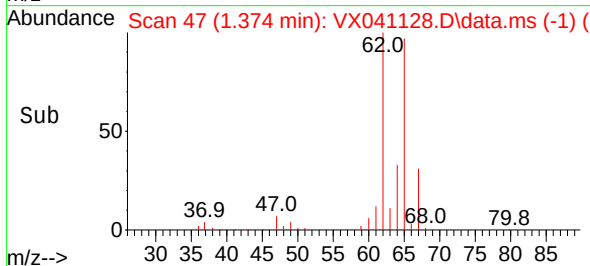
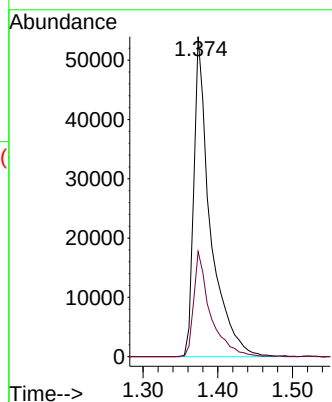
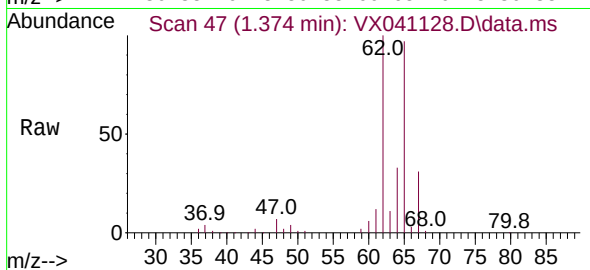
ClientSampleId :

Tgt Ion: 62 Resp: 82293

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.8



#6

Bromomethane

Concen: 47.095 ug/L

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041128.D

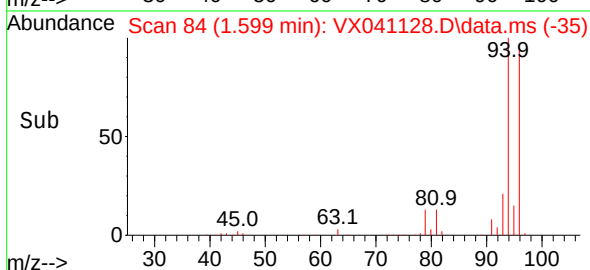
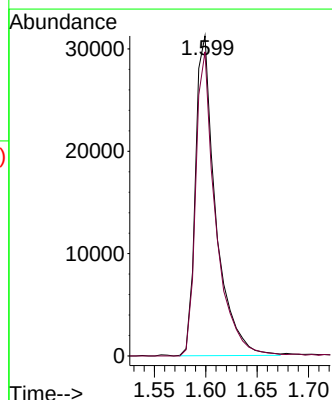
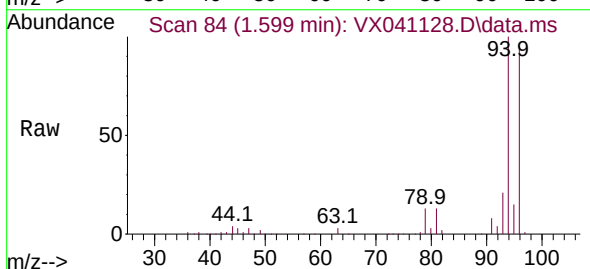
Acq: 17 Apr 2024 15:44

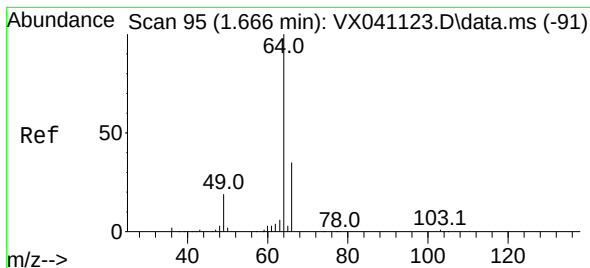
Tgt Ion: 94 Resp: 42898

Ion Ratio Lower Upper

94 100

96 95.0 66.5 123.5





#8

Chloroethane

Concen: 40.221 ug/L

RT: 1.666 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

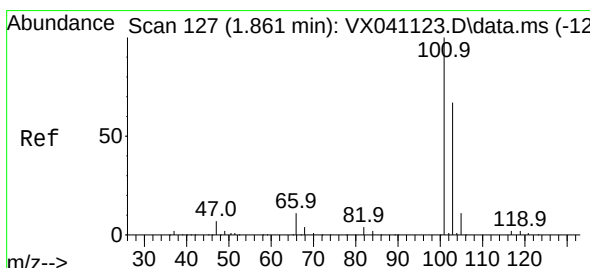
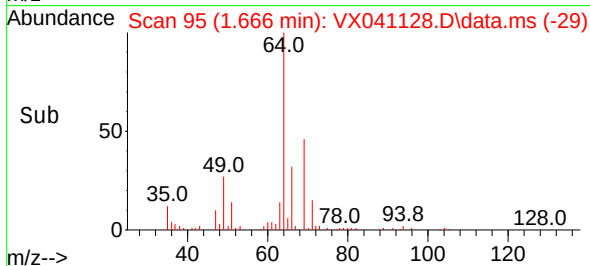
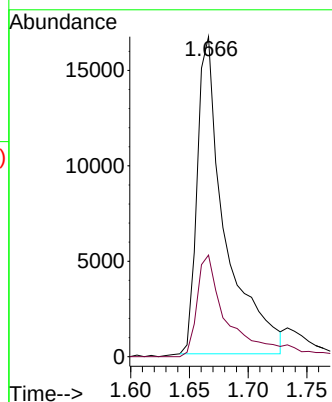
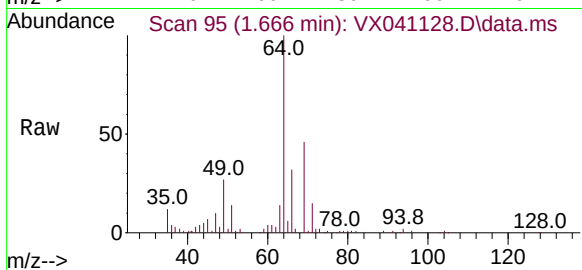
ClientSampleId :

Tgt Ion: 64 Resp: 27411

Ion Ratio Lower Upper

64 100

66 31.8 24.7 45.9



#9

Trichlorofluoromethane

Concen: 45.074 ug/L

RT: 1.855 min Scan# 126

Delta R.T. -0.006 min

Lab File: VX041128.D

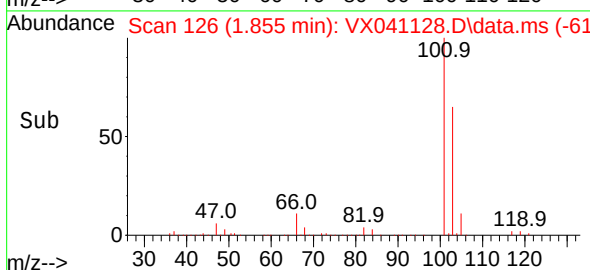
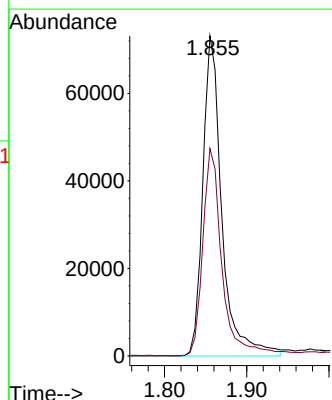
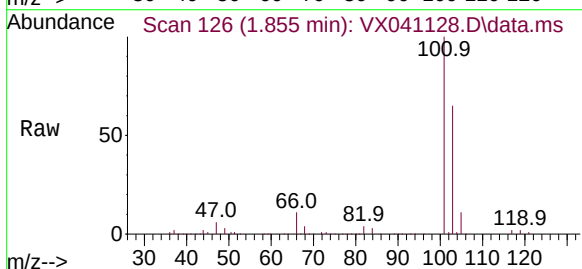
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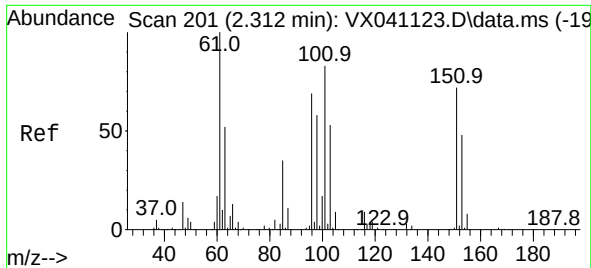
Tgt Ion:101 Resp: 117489

Ion Ratio Lower Upper

101 100

103 65.1 52.6 78.8

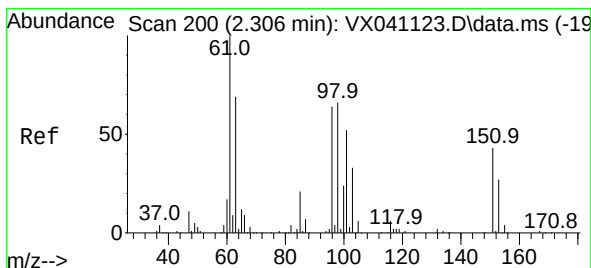
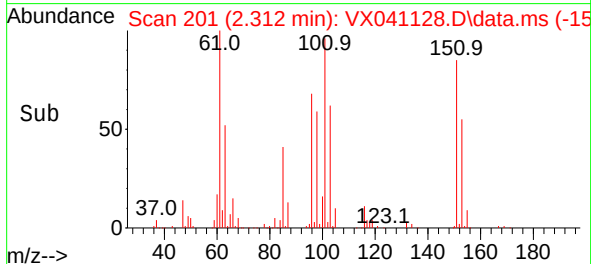
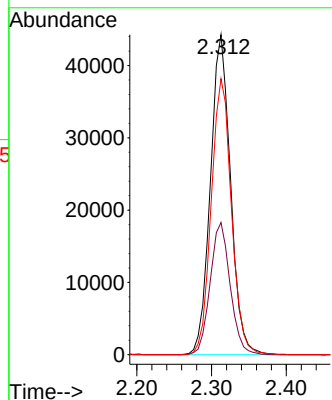
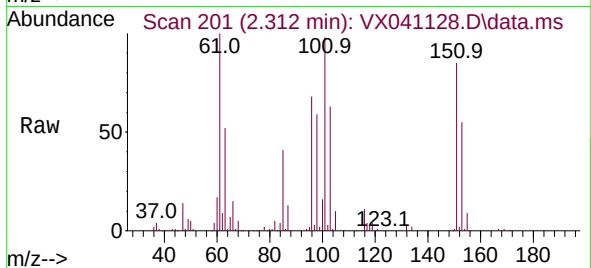




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.029 ug/L
 RT: 2.312 min Scan# 201
 Delta R.T. 0.000 min
 Lab File: VX041128.D
 Acq: 17 Apr 2024 15:44

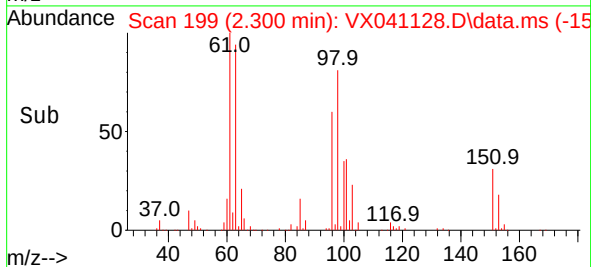
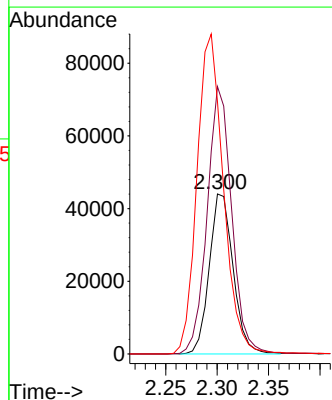
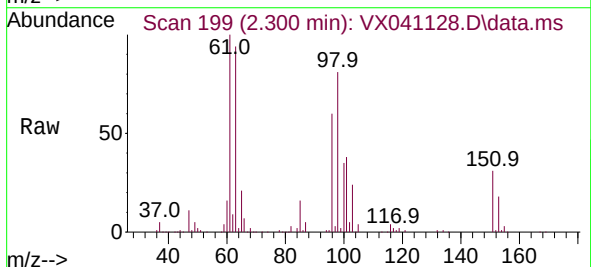
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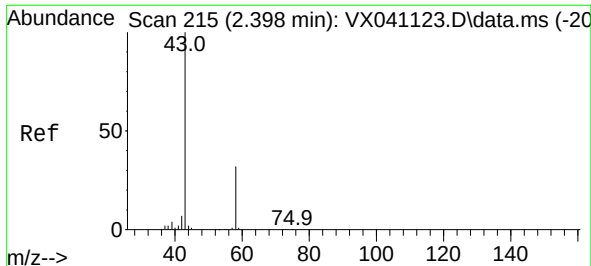
Tgt Ion:101 Resp: 83031
 Ion Ratio Lower Upper
 101 100
 85 41.0 33.4 50.2
 151 86.5 70.5 105.7



#12
 1,1-Dichloroethene
 Concen: 47.105 ug/L
 RT: 2.300 min Scan# 199
 Delta R.T. -0.006 min
 Lab File: VX041128.D
 Acq: 17 Apr 2024 15:44

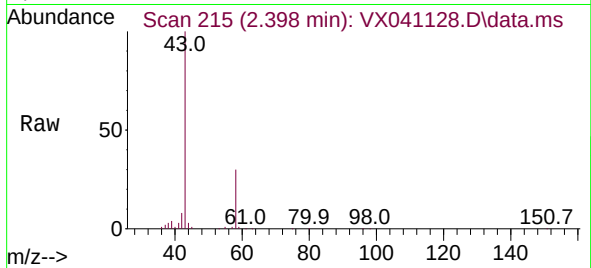
Tgt Ion: 96 Resp: 71052
 Ion Ratio Lower Upper
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 61 167.1 110.3 204.9
 63 157.6 77.4 143.8#



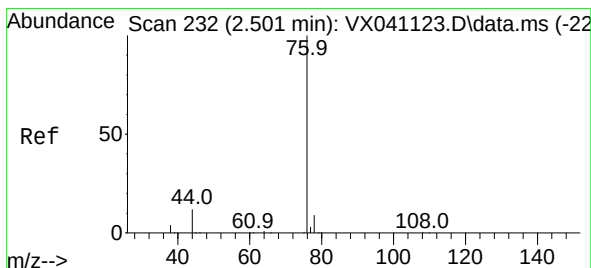
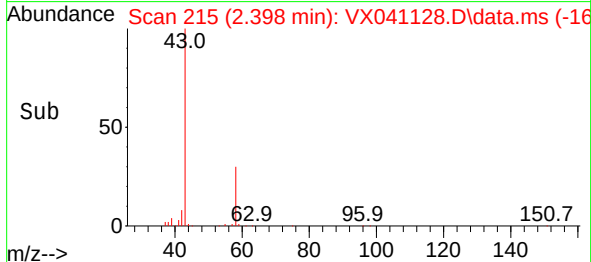
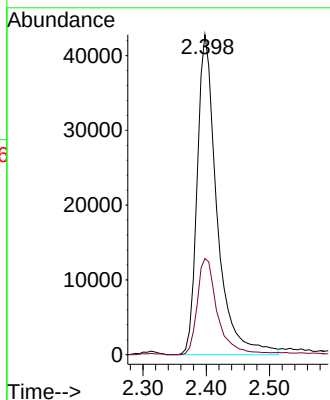


#13
Acetone
Concen: 105.553 ug/L
RT: 2.398 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

Instrument :
MSVOA_X
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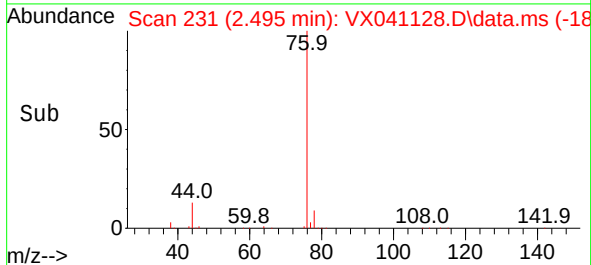
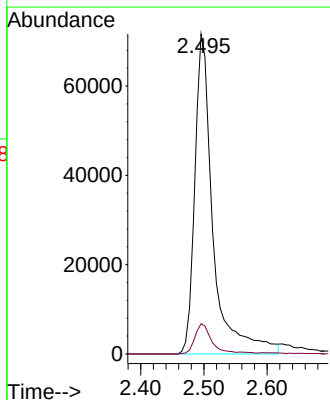
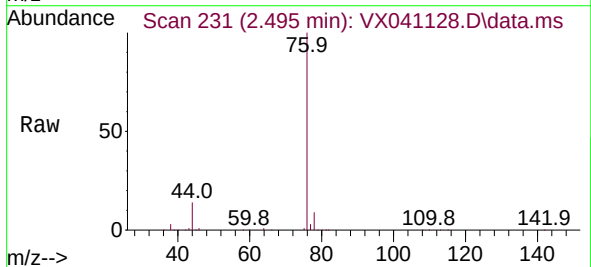


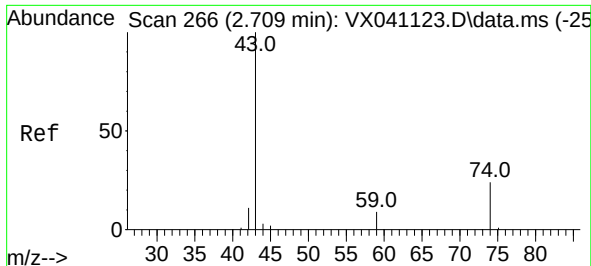
Tgt Ion: 43 Resp: 93152
Ion Ratio Lower Upper
43 100
58 30.7 0.0 62.4



#14
Carbon disulfide
Concen: 47.035 ug/L
RT: 2.495 min Scan# 231
Delta R.T. -0.006 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

Tgt Ion: 76 Resp: 144033
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2





#15

Methyl Acetate

Concen: 53.376 ug/L

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

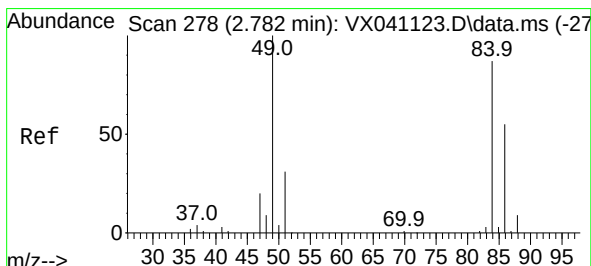
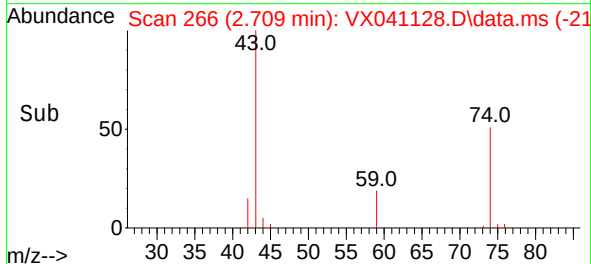
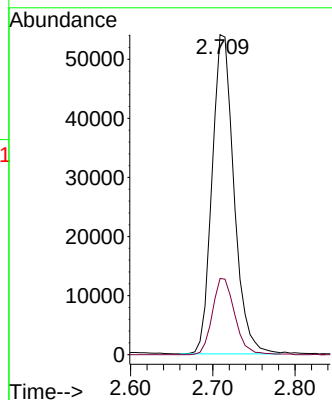
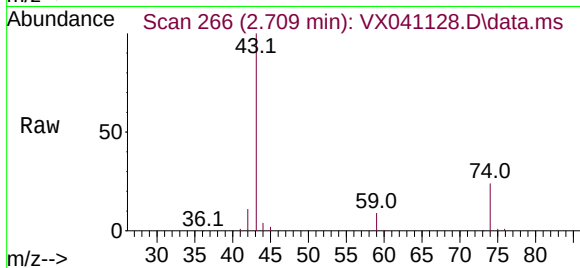
ClientSampleId :

Tgt Ion: 43 Resp: 100062

Ion Ratio Lower Upper

43 100

74 24.4 19.9 29.9



#16

Methylene chloride

Concen: 49.692 ug/L

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

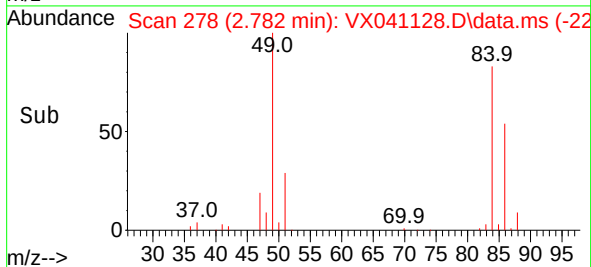
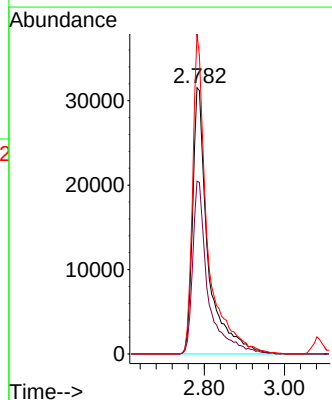
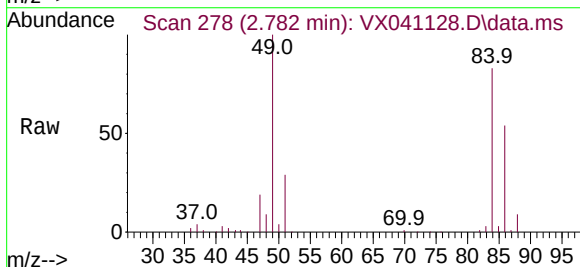
Tgt Ion: 84 Resp: 84104

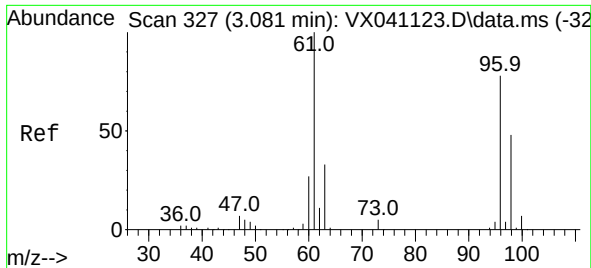
Ion Ratio Lower Upper

84 100

86 64.9 44.7 83.1

49 120.2 80.6 149.8

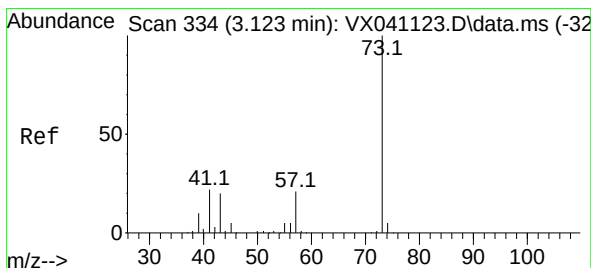
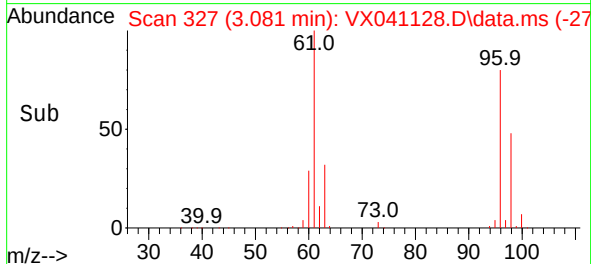
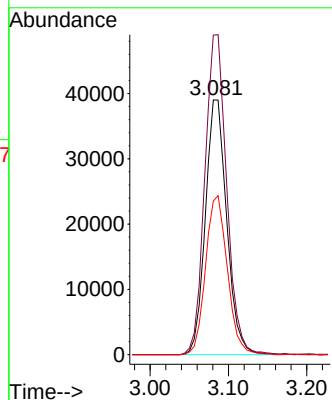
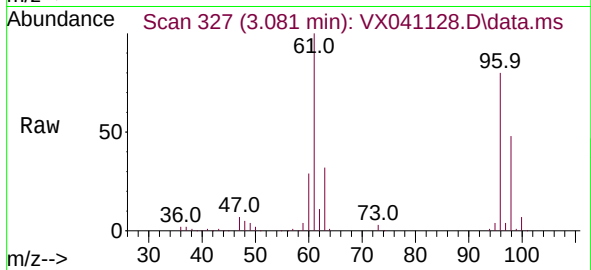




#17
trans-1,2-Dichloroethene
Concen: 48.586 ug/L
RT: 3.081 min Scan# 327
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

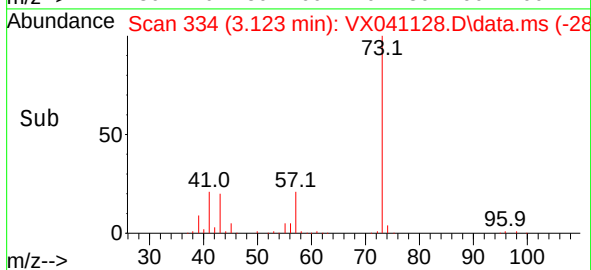
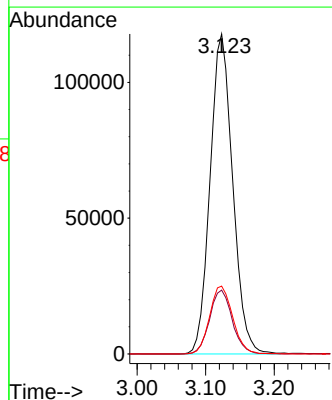
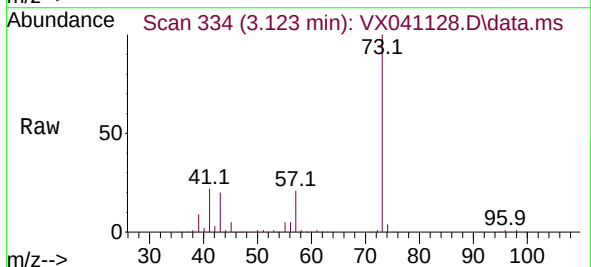
Instrument :
MSVOA_X
ClientSampleId :

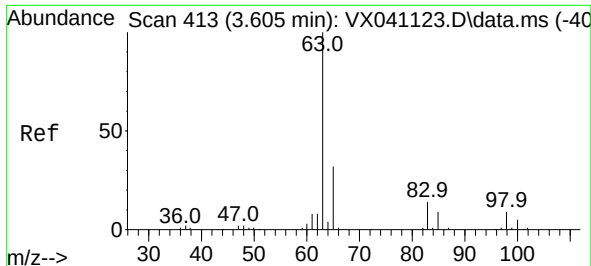
Tgt Ion:	96	Resp:	74055
Ion	Ratio	Lower	Upper
96	100		
61	125.5	89.6	166.4
98	60.3	43.4	80.6



#18
Methyl tert-butyl Ether
Concen: 51.506 ug/L
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

Tgt Ion:	73	Resp:	270263
Ion	Ratio	Lower	Upper
73	100		
43	20.1	16.1	24.1
57	21.6	17.0	25.4





#19

1,1-Dichloroethane

Concen: 49.196 ug/L

RT: 3.605 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :

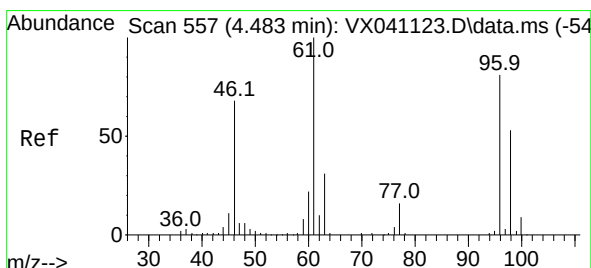
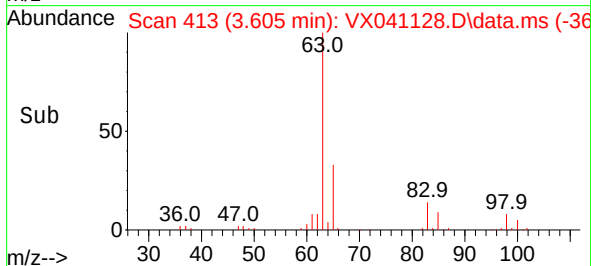
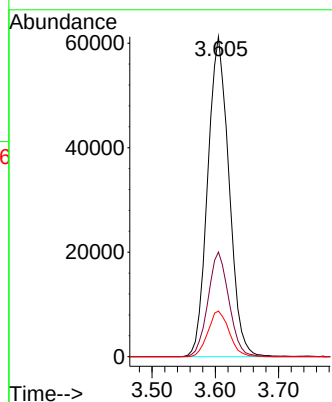
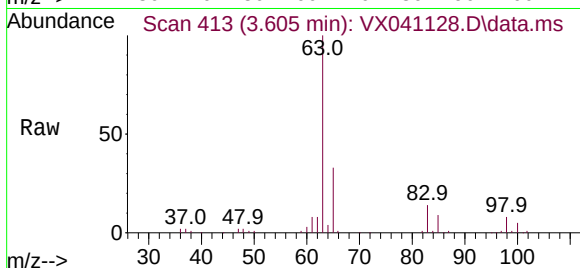
Tgt Ion: 63 Resp: 142882

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.3

83 14.3 10.1 18.9



#20

cis-1,2-Dichloroethene

Concen: 49.527 ug/L

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

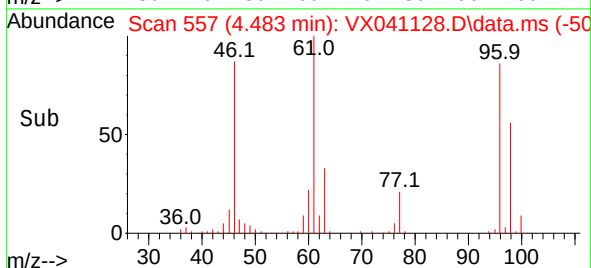
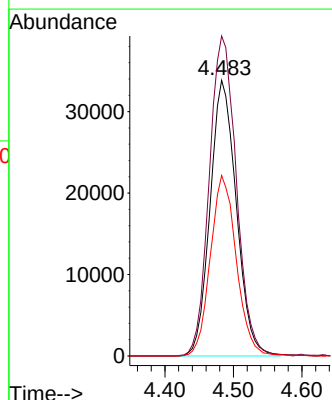
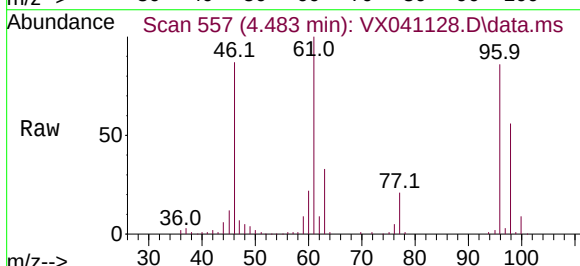
Tgt Ion: 96 Resp: 89992

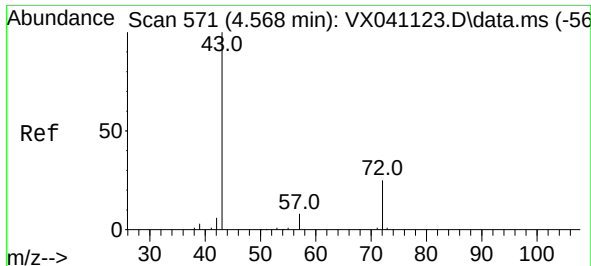
Ion Ratio Lower Upper

96 100

61 116.1 86.5 160.7

98 65.5 45.4 84.2

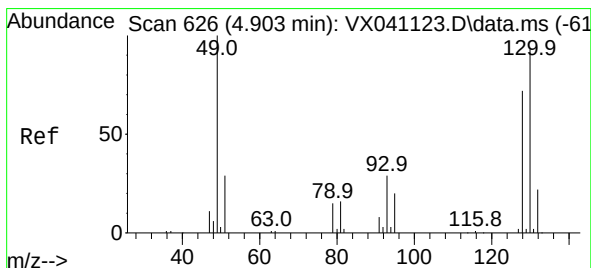
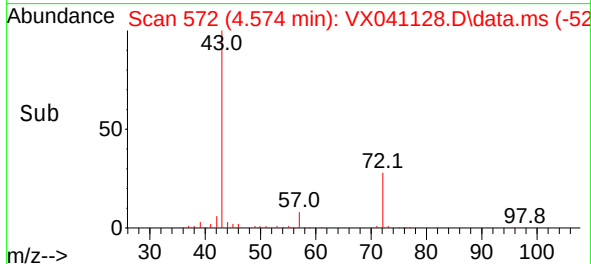
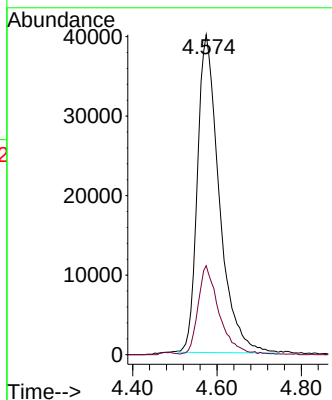
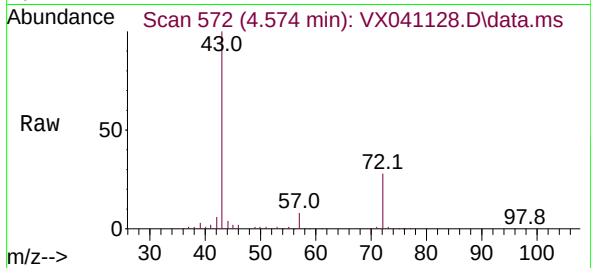




#22
2-Butanone
Concen: 108.756 ug/L
RT: 4.574 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

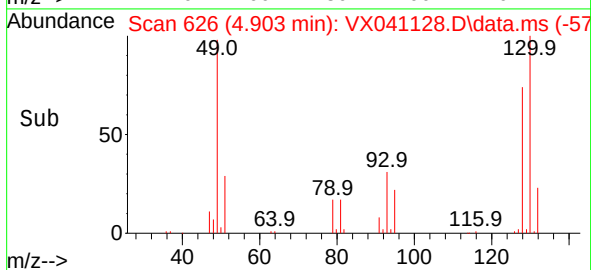
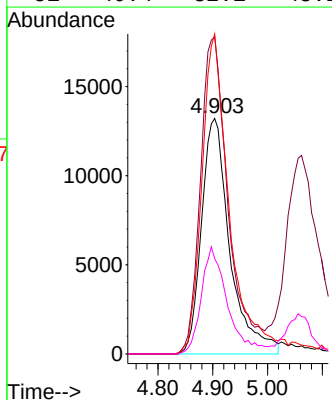
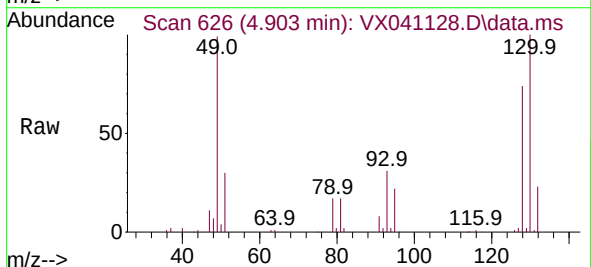
Instrument :
MSVOA_X
ClientSampleId :

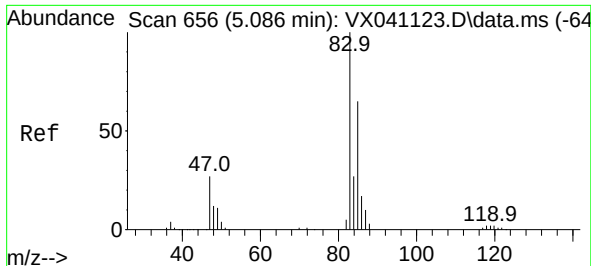
Tgt Ion: 43 Resp: 143798
Ion Ratio Lower Upper
43 100
72 26.4 12.5 37.5



#23
Bromochloromethane
Concen: 50.193 ug/L
RT: 4.903 min Scan# 626
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

Tgt Ion:128 Resp: 47484
Ion Ratio Lower Upper
128 100
49 134.6 97.2 180.6
130 135.8 90.6 168.2
51 40.4 32.1 48.1





#25

Chloroform

Concen: 50.156 ug/L

RT: 5.092 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

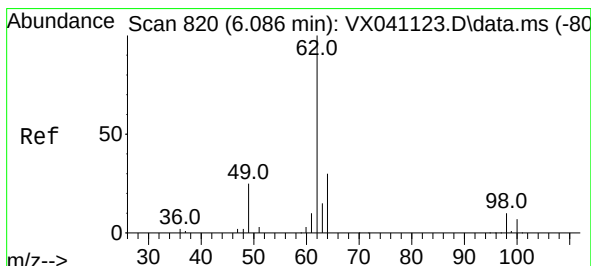
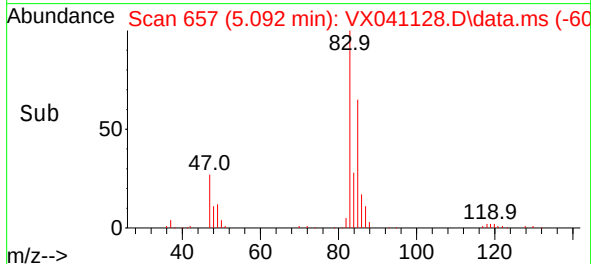
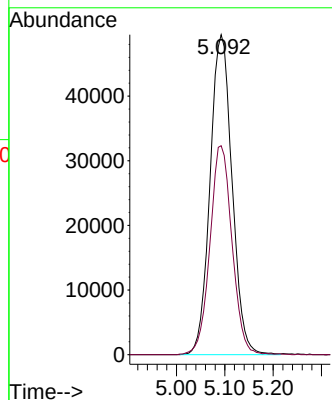
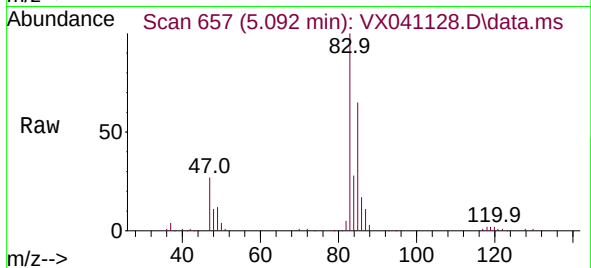
ClientSampleId :

Tgt Ion: 83 Resp: 156495

Ion Ratio Lower Upper

83 100

85 65.3 45.9 85.3



#27

1,2-Dichloroethane

Concen: 50.640 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX041128.D

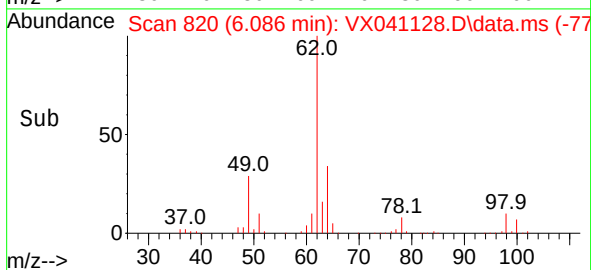
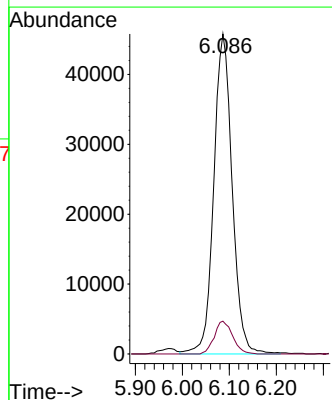
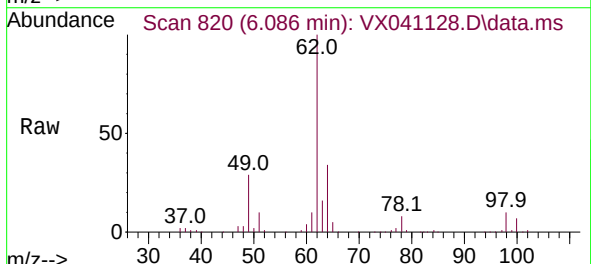
Acq: 17 Apr 2024 15:44

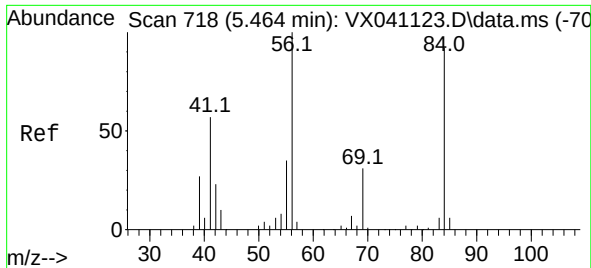
Tgt Ion: 62 Resp: 124691

Ion Ratio Lower Upper

62 100

98 10.2 7.9 11.9





#29

Cyclohexane

Concen: 47.218 ug/L

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :

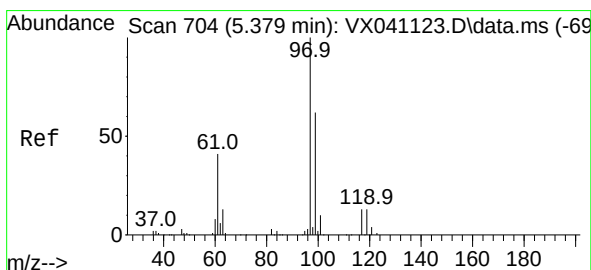
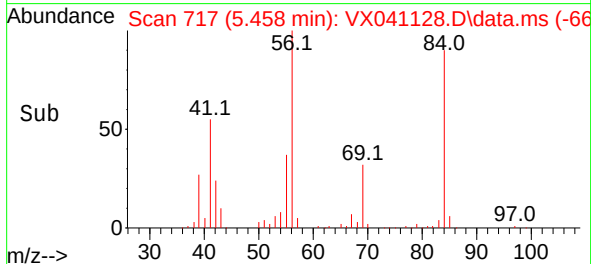
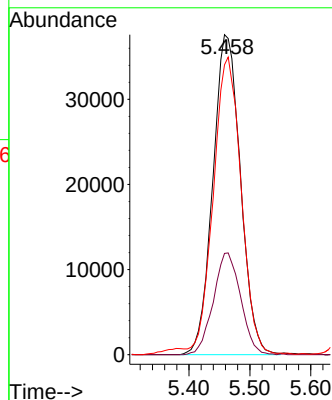
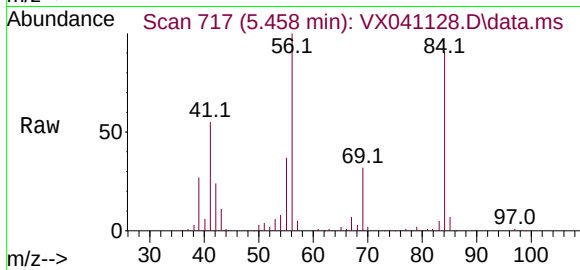
Tgt Ion: 56 Resp: 118426

Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 92.7 75.0 112.6



#30

1,1,1-Trichloroethane

Concen: 48.437 ug/L

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

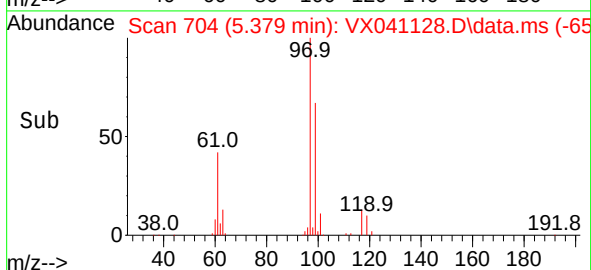
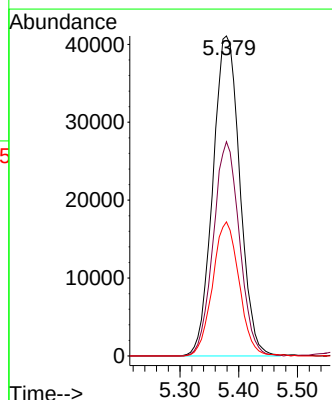
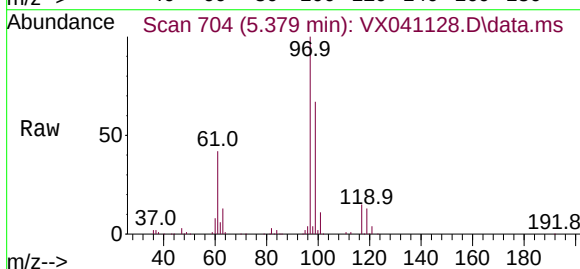
Tgt Ion: 97 Resp: 131014

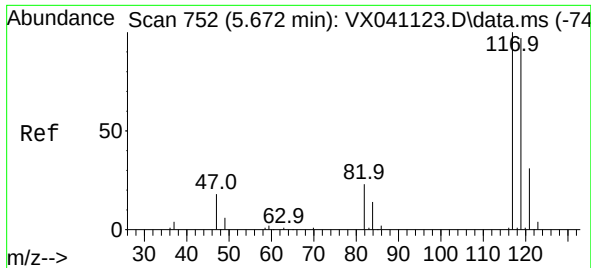
Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.2

61 41.1 33.9 50.9

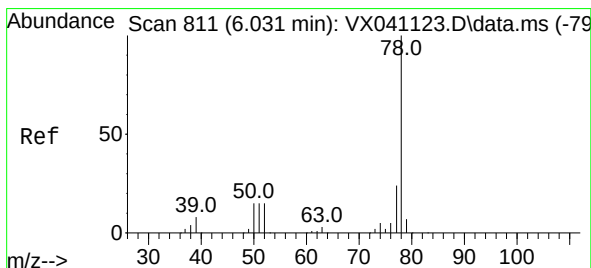
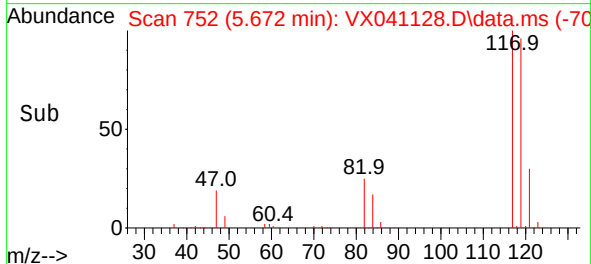
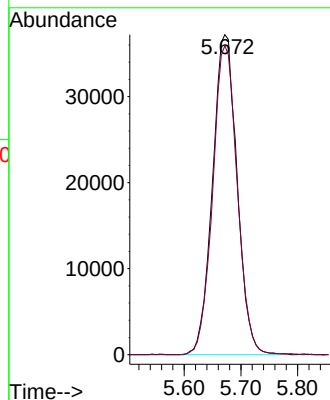
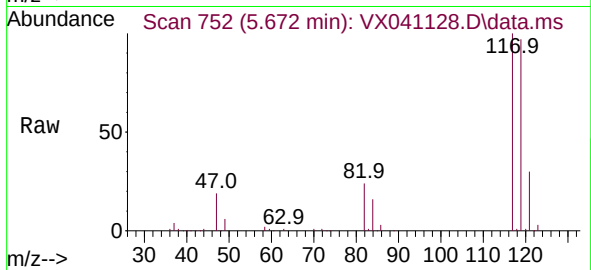




#31
Carbon tetrachloride
Concen: 48.054 ug/L
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

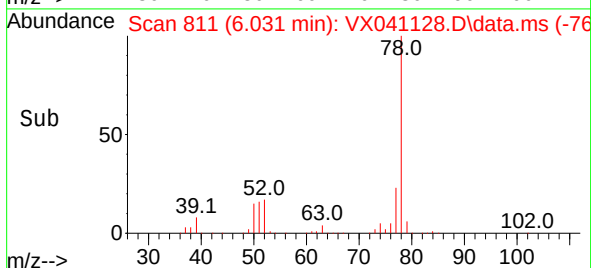
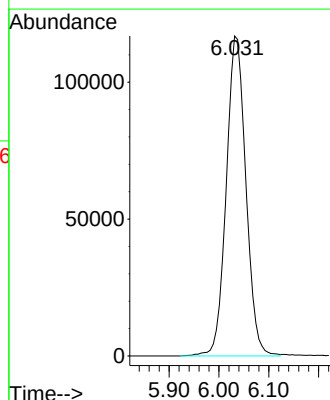
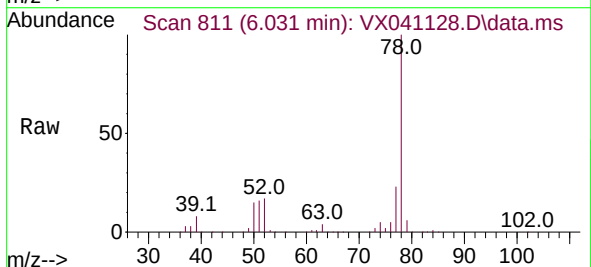
Instrument :
MSVOA_X
ClientSampleId :

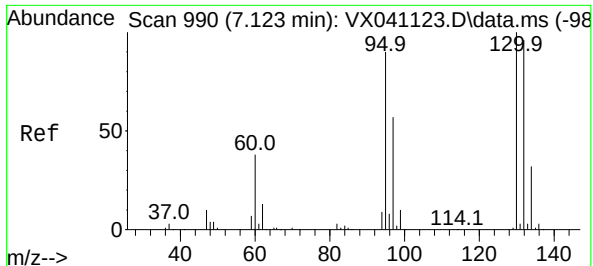
Tgt Ion:117 Resp: 111741
Ion Ratio Lower Upper
117 100
119 96.5 78.1 117.1



#33
Benzene
Concen: 49.146 ug/L
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

Tgt Ion: 78 Resp: 319582





#34

Trichloroethene

Concen: 47.529 ug/L

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

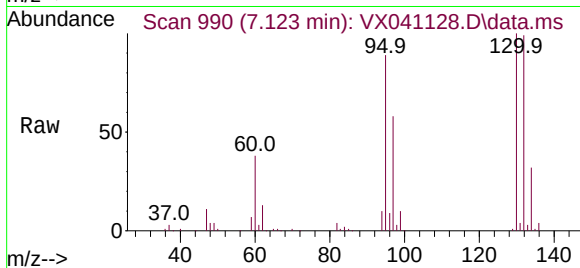
Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 95 Resp: 83665

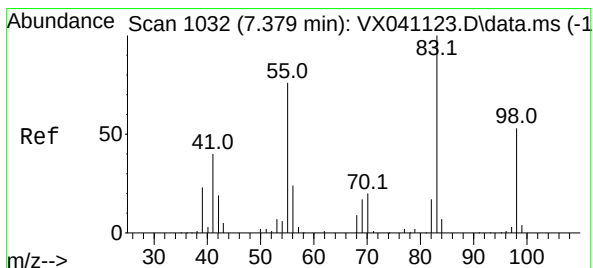
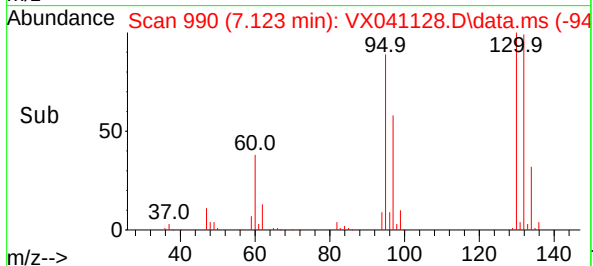
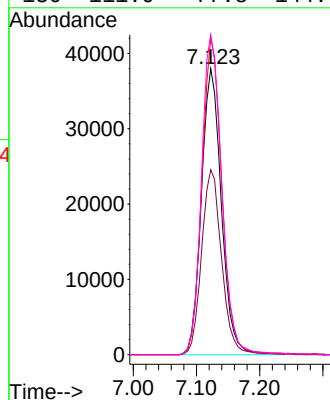
Ion Ratio Lower Upper

95 100

97 64.7 44.1 81.9

132 110.7 74.6 138.6

130 111.9 77.8 144.6



#35

Methylcyclohexane

Concen: 47.385 ug/L

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

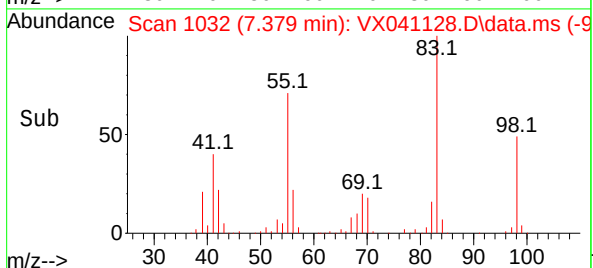
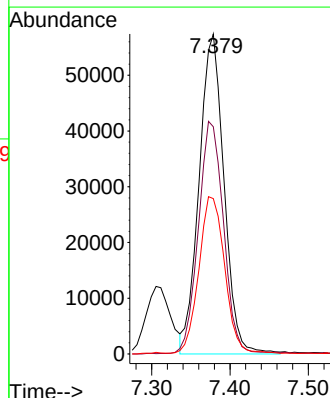
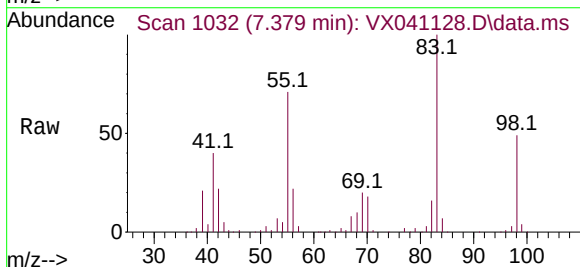
Tgt Ion: 83 Resp: 126773

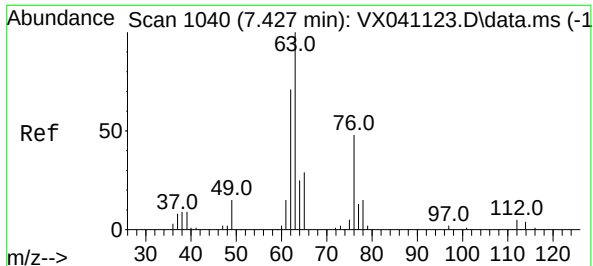
Ion Ratio Lower Upper

83 100

55 74.0 58.7 88.1

98 50.3 40.5 60.7

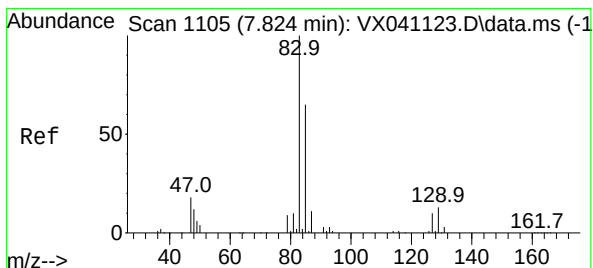
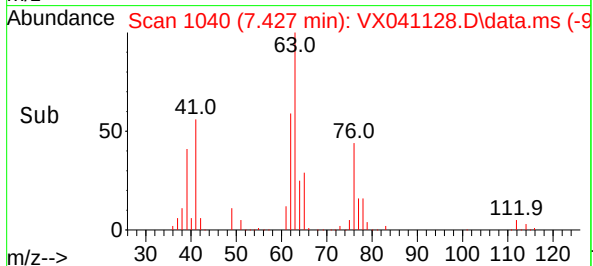
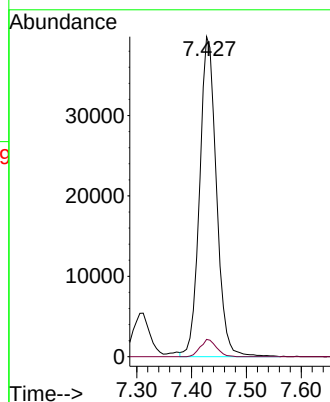
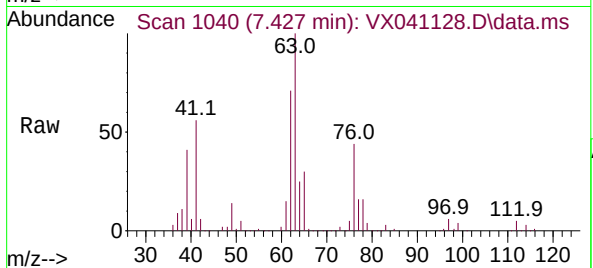




#37
1,2-Dichloropropane
Concen: 50.460 ug/L
RT: 7.427 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

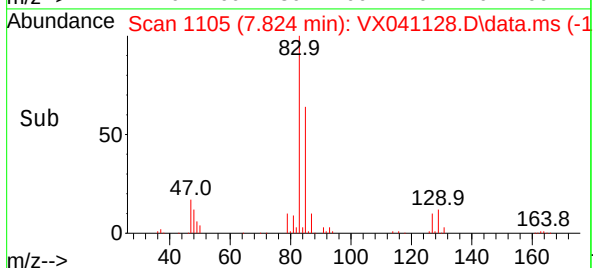
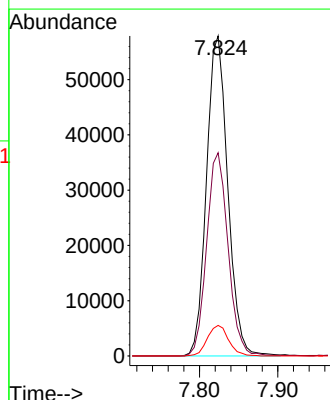
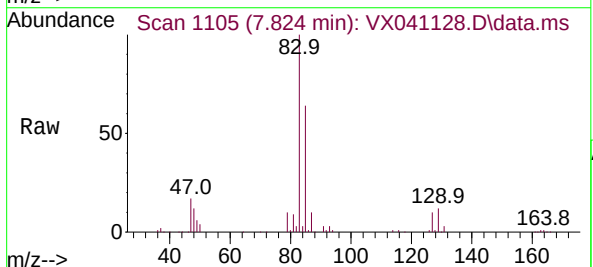
Instrument :
MSVOA_X
ClientSampleId :

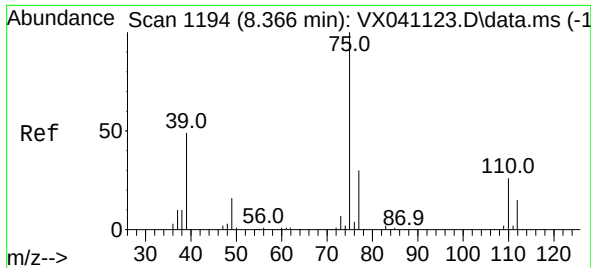
Tgt Ion: 63 Resp: 85088
Ion Ratio Lower Upper
63 100
112 5.2 4.2 6.4



#38
Bromodichloromethane
Concen: 50.663 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

Tgt Ion: 83 Resp: 109200
Ion Ratio Lower Upper
83 100
85 63.5 45.6 84.8
127 9.6 7.8 11.8

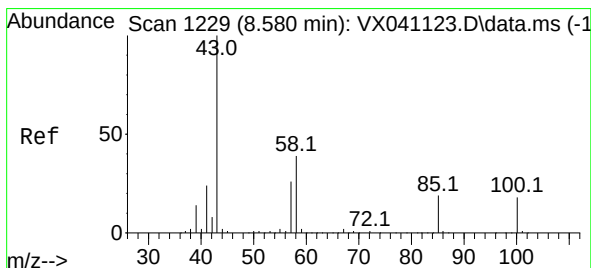
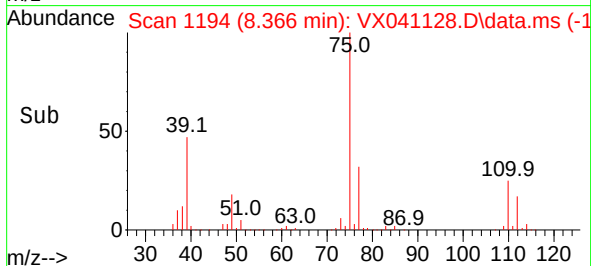
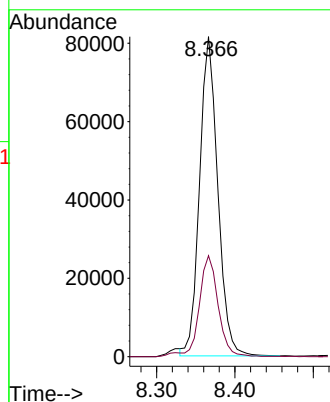
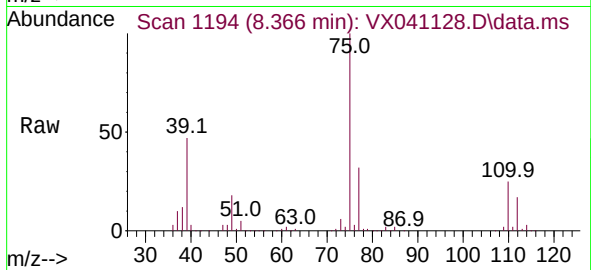




#39
 cis-1,3-Dichloropropene
 Concen: 51.217 ug/L
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.000 min
 Lab File: VX041128.D
 Acq: 17 Apr 2024 15:44

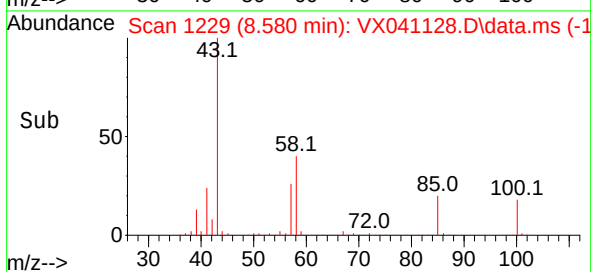
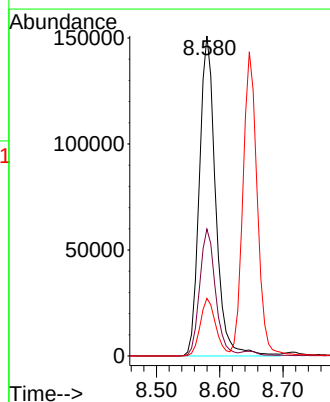
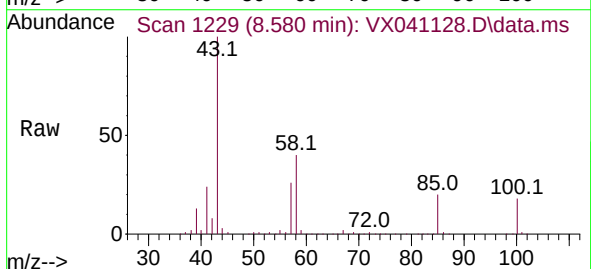
Instrument :
 MSVOA_X
 ClientSampleId :

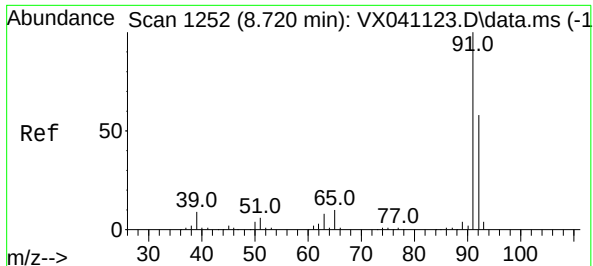
Tgt Ion: 75 Resp: 131522
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 108.084 ug/L
 RT: 8.580 min Scan# 1229
 Delta R.T. 0.000 min
 Lab File: VX041128.D
 Acq: 17 Apr 2024 15:44

Tgt Ion: 43 Resp: 270850
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.6 46.0
 100 17.3 13.8 20.6





#42

Toluene

Concen: 49.349 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

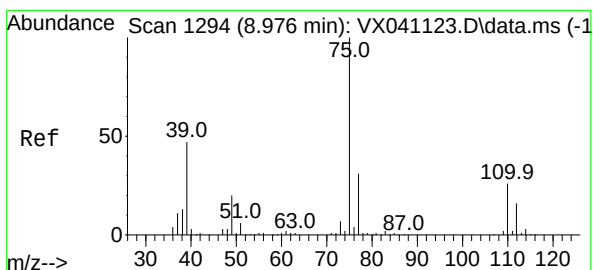
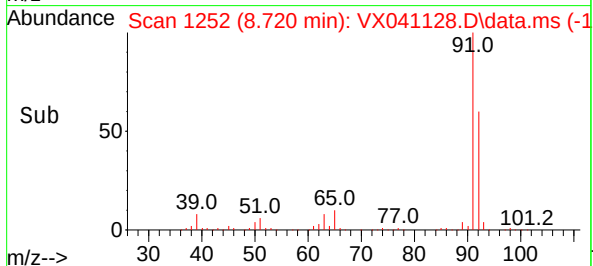
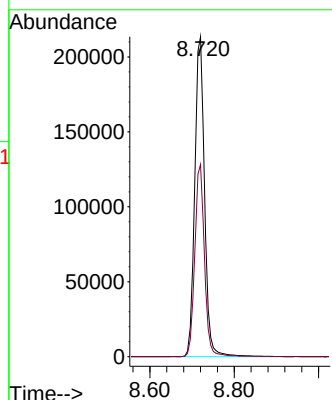
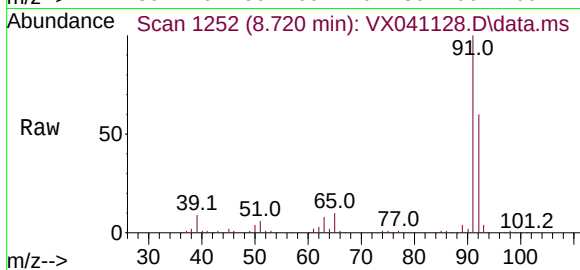
ClientSampleId :

Tgt Ion: 91 Resp: 346079

Ion Ratio Lower Upper

91 100

92 60.0 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 51.466 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX041128.D

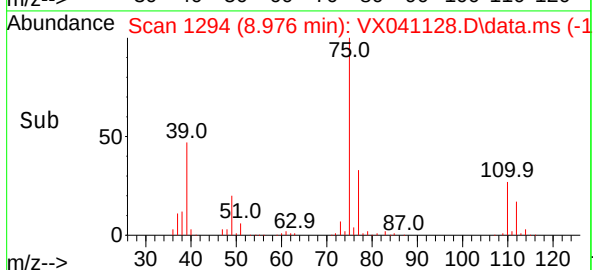
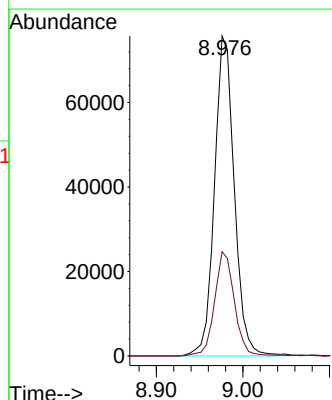
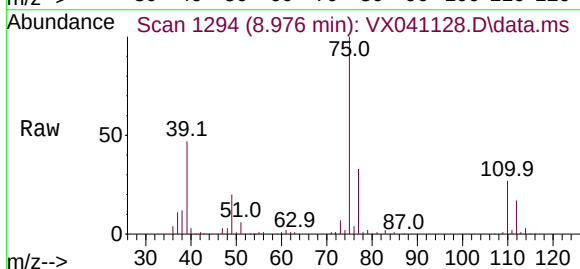
Acq: 17 Apr 2024 15:44

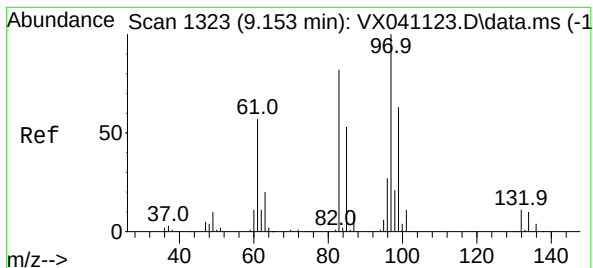
Tgt Ion: 75 Resp: 120418

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 51.085 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

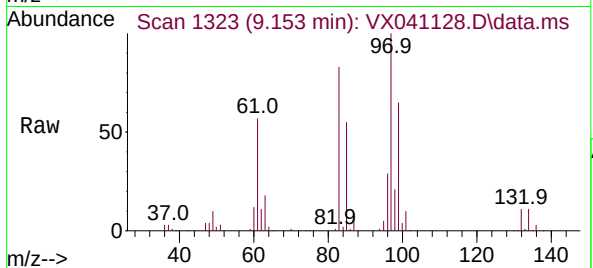
Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 92844

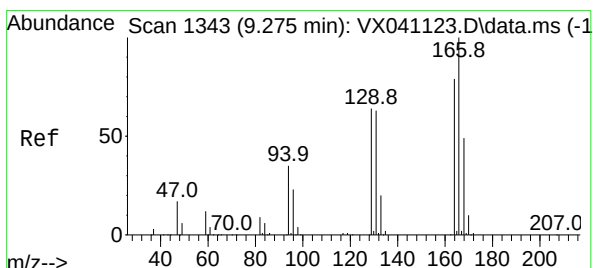
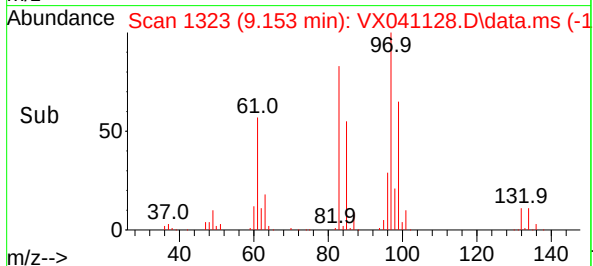
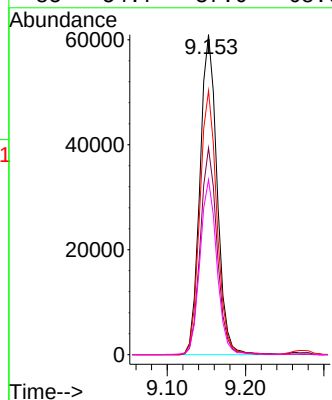
Ion Ratio Lower Upper

97 100

99 64.6 44.4 82.4

83 82.5 57.3 106.5

85 54.7 37.0 68.6



#46

Tetrachloroethene

Concen: 47.048 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Tgt Ion: 164 Resp: 79295

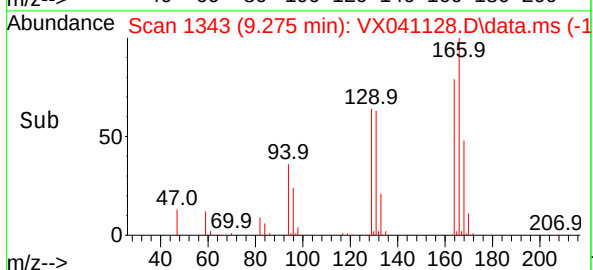
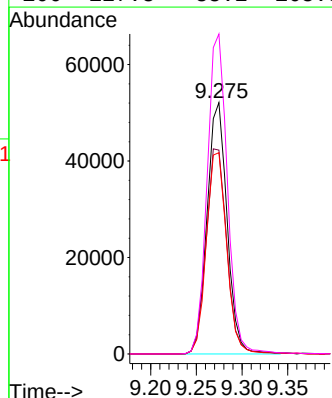
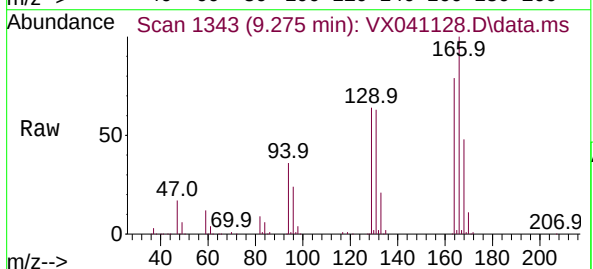
Ion Ratio Lower Upper

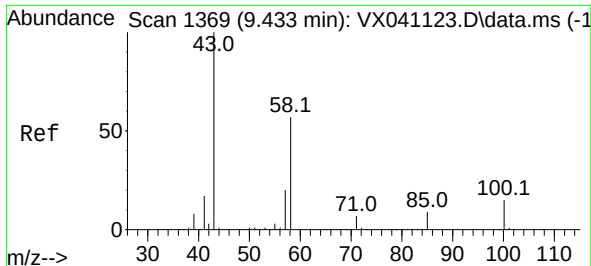
164 100

129 81.1 56.5 104.9

131 80.1 55.2 102.4

166 127.3 88.2 163.8





#48

2-Hexanone

Concen: 108.313 ug/L

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 210793

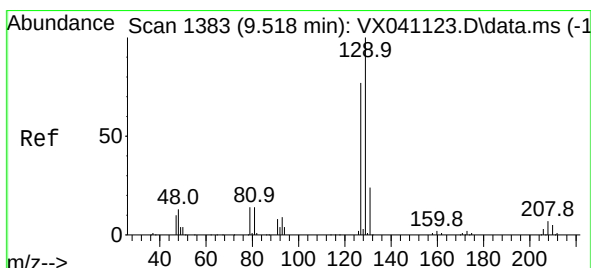
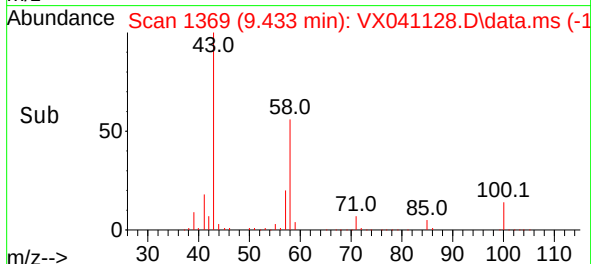
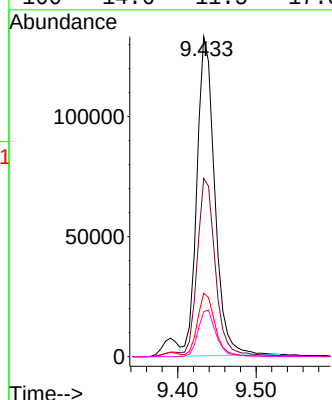
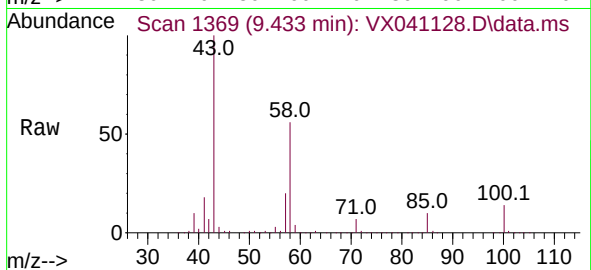
Ion Ratio Lower Upper

43 100

58 56.5 43.8 65.8

57 19.7 15.0 22.6

100 14.6 11.5 17.3



#49

Dibromochloromethane

Concen: 51.540 ug/L

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX041128.D

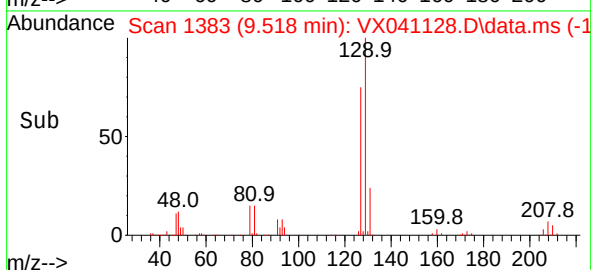
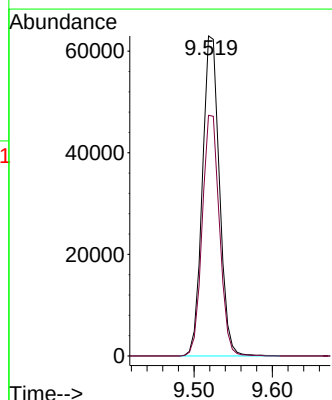
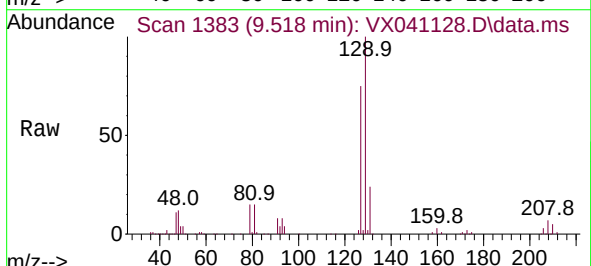
Acq: 17 Apr 2024 15:44

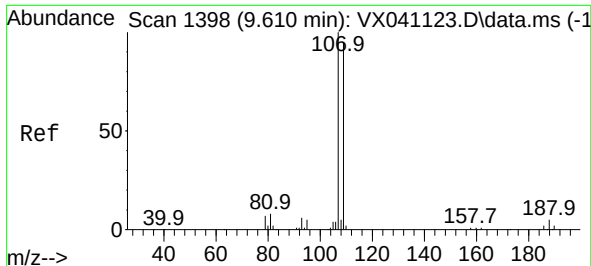
Tgt Ion:129 Resp: 95150

Ion Ratio Lower Upper

129 100

127 75.2 53.9 100.1

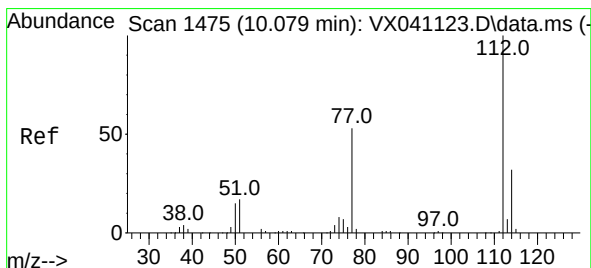
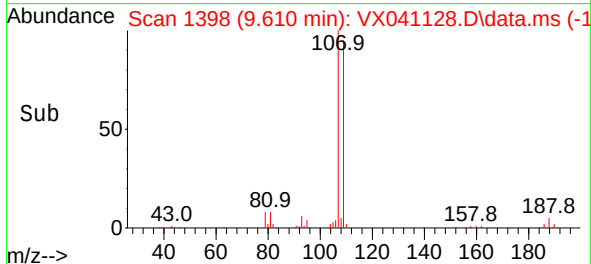
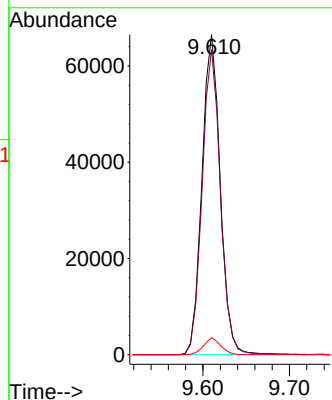
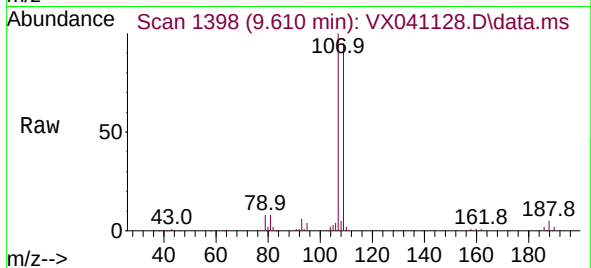




#50
1,2-Dibromoethane
Concen: 51.521 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

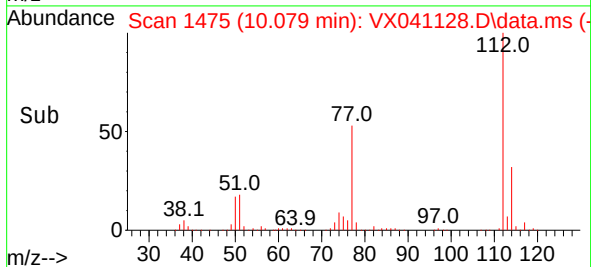
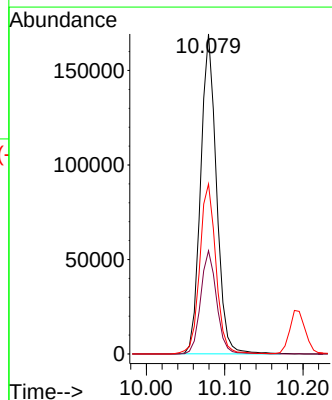
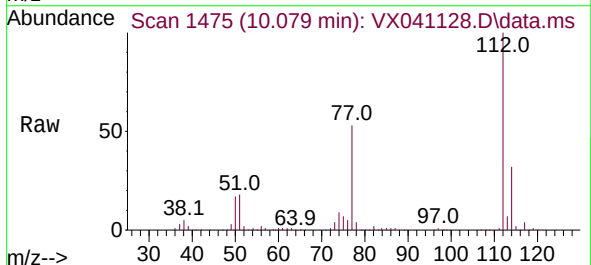
Instrument :
MSVOA_X
ClientSampleId :

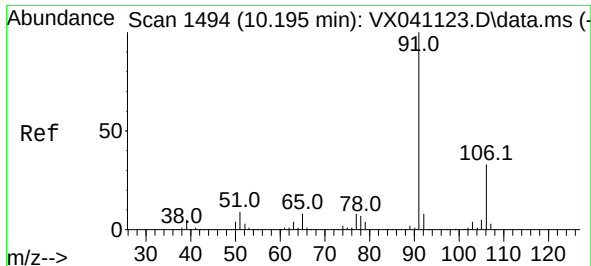
Tgt Ion:107 Resp: 97528
Ion Ratio Lower Upper
107 100
109 95.3 66.6 123.6
188 5.3 3.8 5.8



#51
Chlorobenzene
Concen: 48.612 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

Tgt Ion:112 Resp: 237612
Ion Ratio Lower Upper
112 100
114 32.3 22.5 41.9
77 53.1 42.6 64.0





#52

Ethylbenzene

Concen: 48.859 ug/L

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

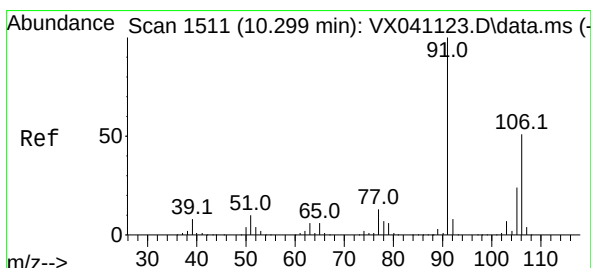
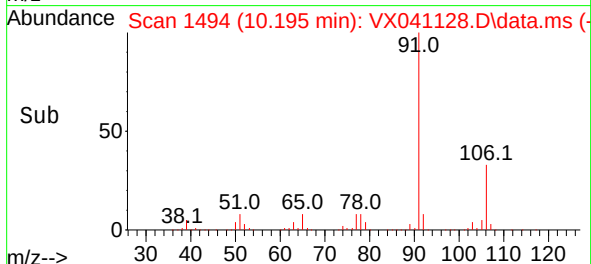
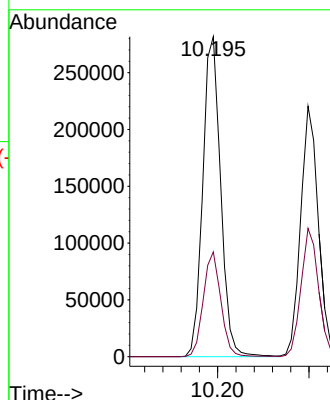
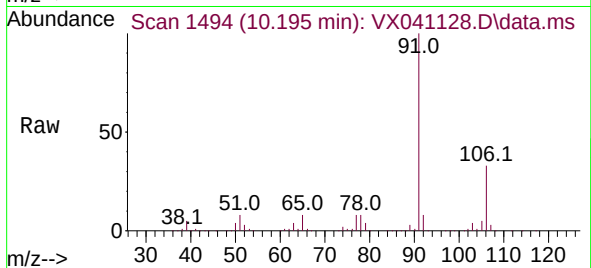
ClientSampleId :

Tgt Ion: 91 Resp: 381758

Ion Ratio Lower Upper

91 100

106 32.8 22.7 42.3



#53

m,p-Xylene

Concen: 48.926 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX041128.D

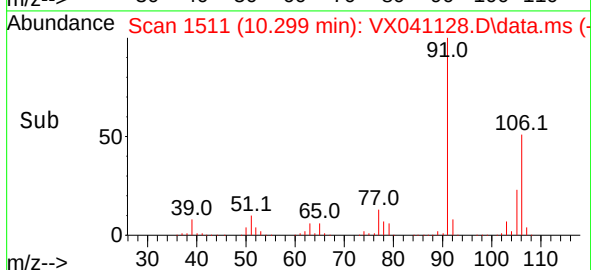
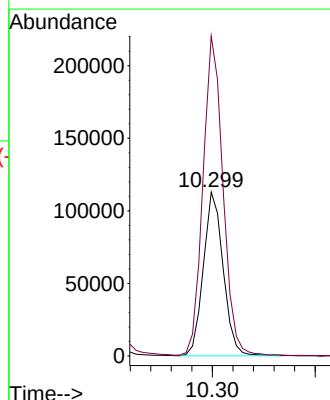
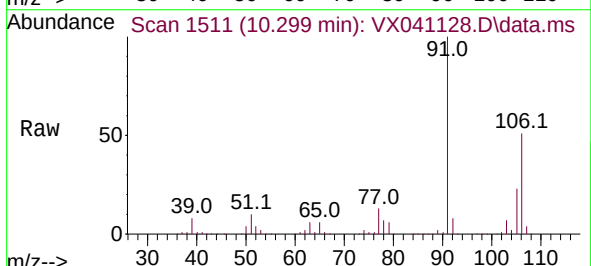
Acq: 17 Apr 2024 15:44

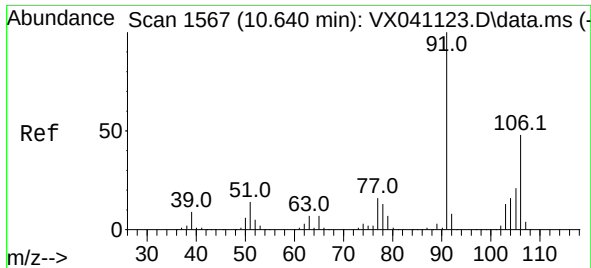
Tgt Ion:106 Resp: 151336

Ion Ratio Lower Upper

106 100

91 195.2 137.2 254.8

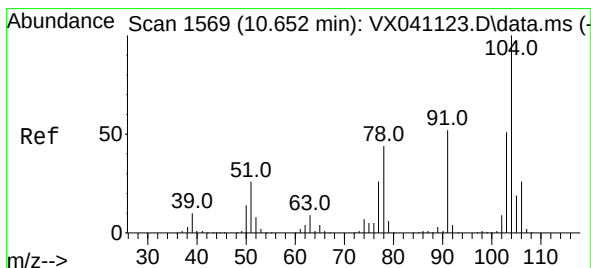
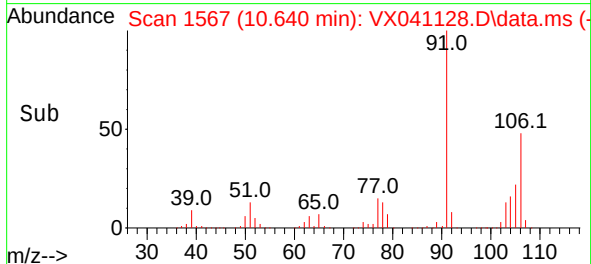
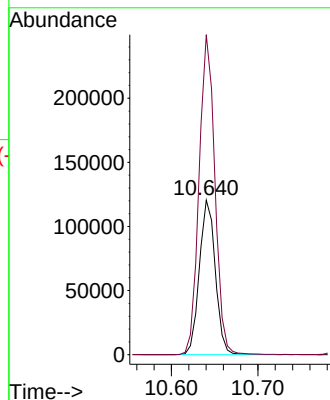
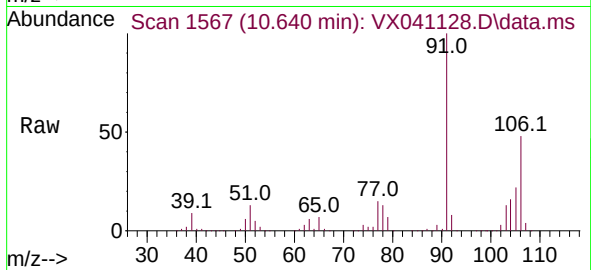




#54
o-Xylene
Concen: 49.767 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

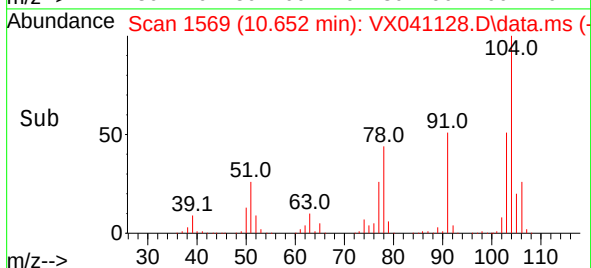
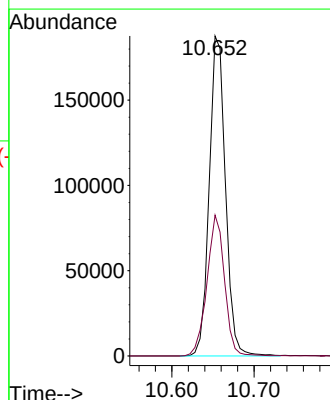
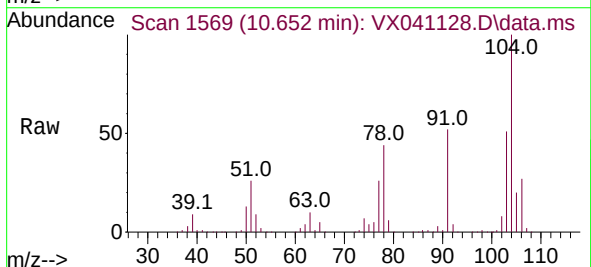
Instrument :
MSVOA_X
ClientSampleId :

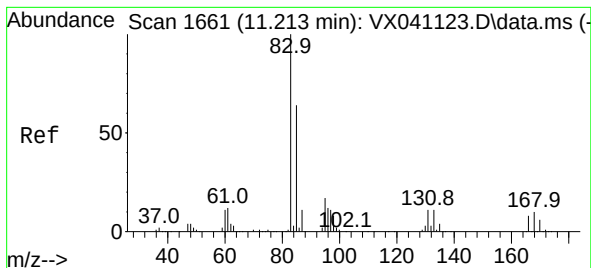
Tgt Ion:106 Resp: 154171
Ion Ratio Lower Upper
106 100
91 207.0 145.4 270.0



#55
Styrene
Concen: 49.958 ug/L
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX041128.D
Acq: 17 Apr 2024 15:44

Tgt Ion:104 Resp: 257535
Ion Ratio Lower Upper
104 100
78 44.0 30.4 56.5





#57

1,1,2,2-Tetrachloroethane

Concen: 51.601 ug/L

RT: 11.213 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :

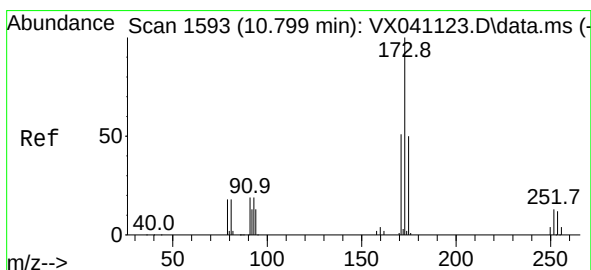
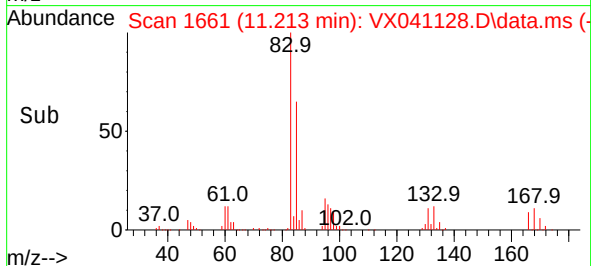
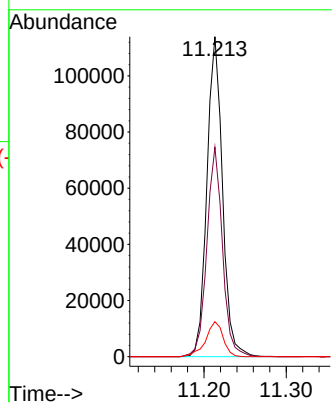
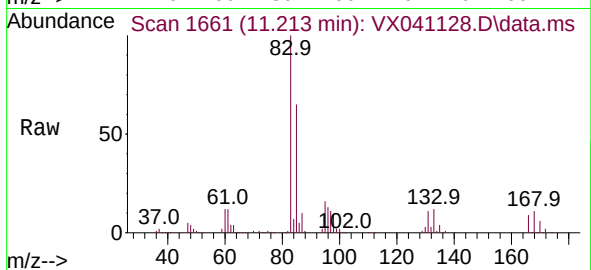
Tgt Ion: 83 Resp: 149734

Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6

131 11.0 9.0 13.4



#59

Bromoform

Concen: 51.524 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

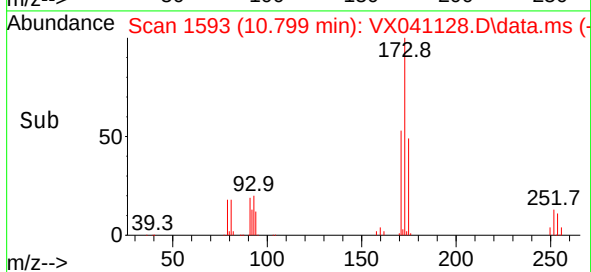
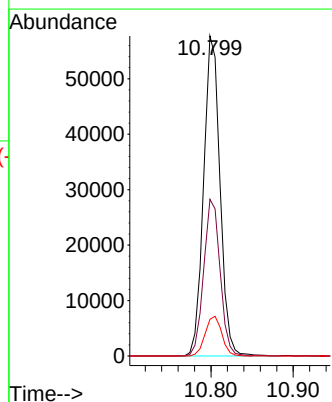
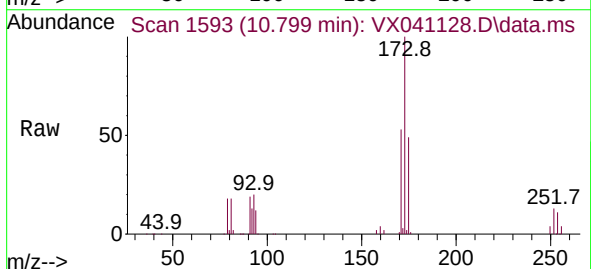
Tgt Ion:173 Resp: 79977

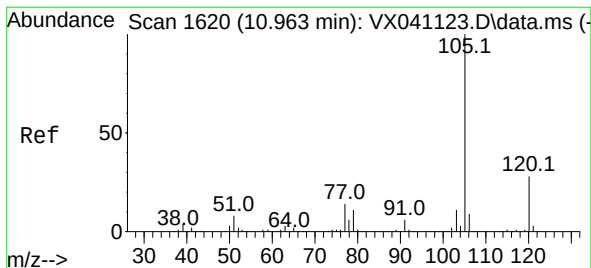
Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.2

254 12.6 10.5 15.7





#60

Isopropylbenzene

Concen: 49.403 ug/L

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :

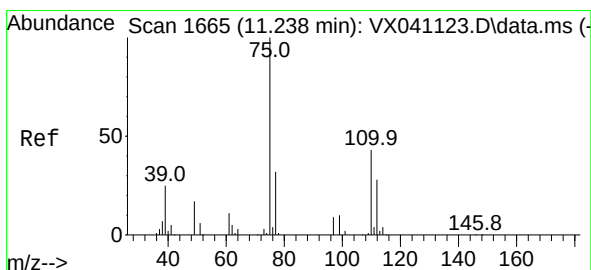
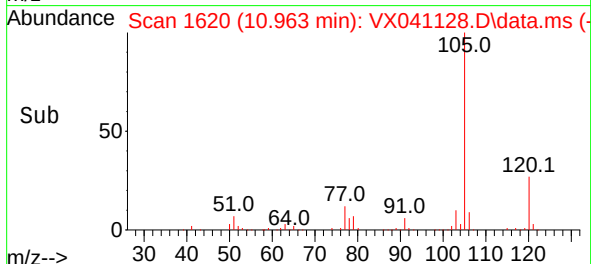
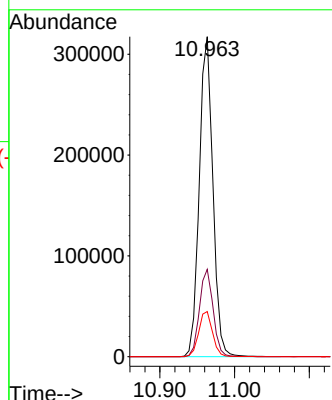
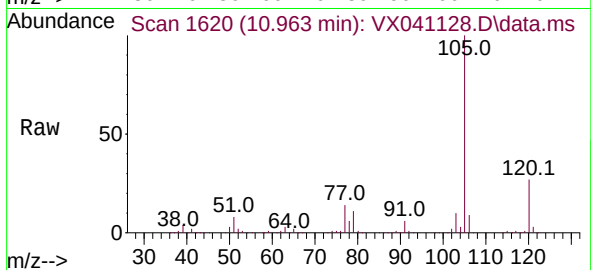
Tgt Ion:105 Resp: 400481

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

77 14.4 11.7 17.5



#61

1,2,3-Trichloropropane

Concen: 51.064 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

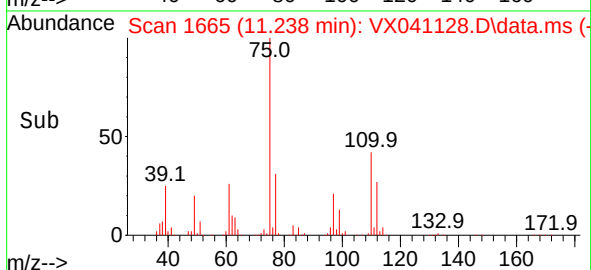
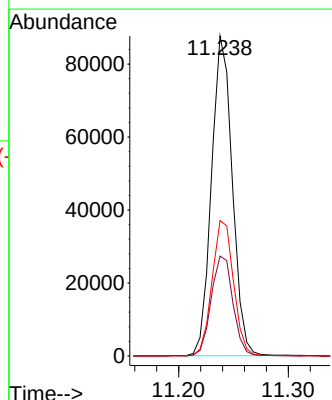
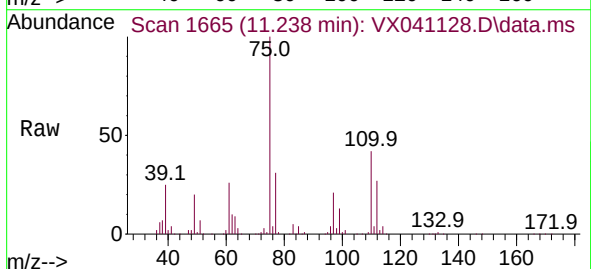
Tgt Ion: 75 Resp: 115702

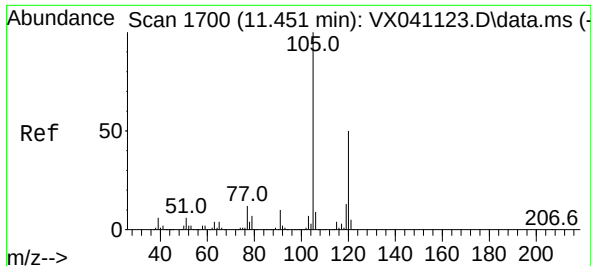
Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

110 43.8 35.0 52.6





#62

1,3,5-Trimethylbenzene

Concen: 50.040 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

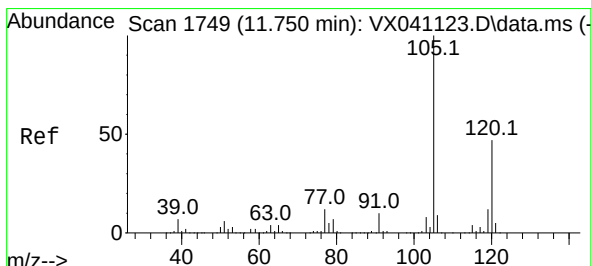
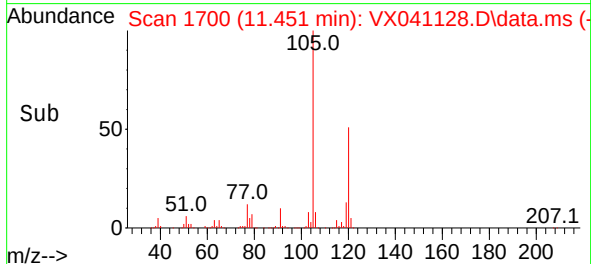
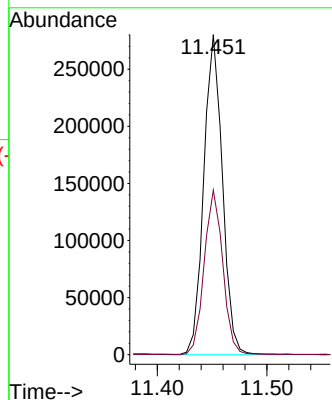
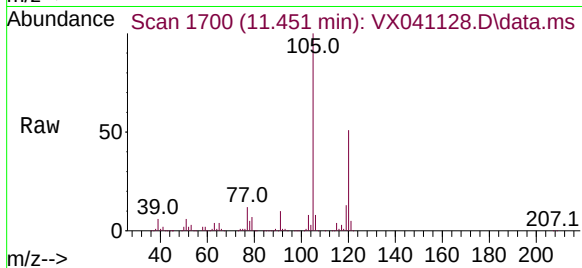
ClientSampleId :

Tgt Ion:105 Resp: 331219

Ion Ratio Lower Upper

105 100

120 51.3 41.2 61.8



#63

1,2,4-Trimethylbenzene

Concen: 50.340 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX041128.D

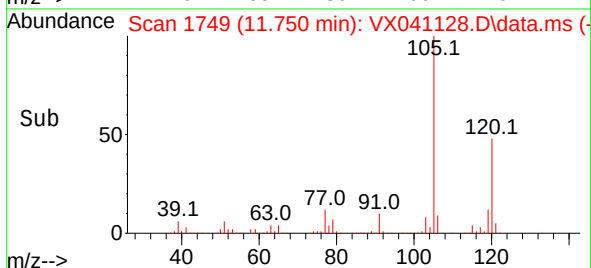
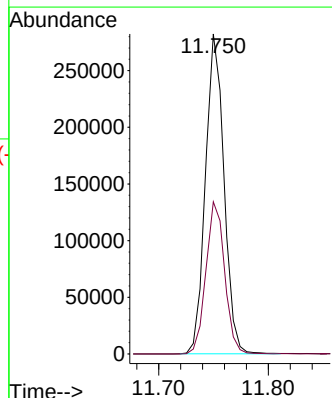
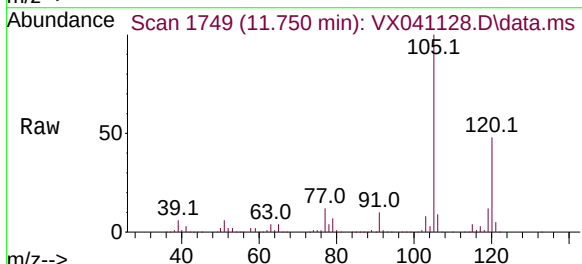
Acq: 17 Apr 2024 15:44

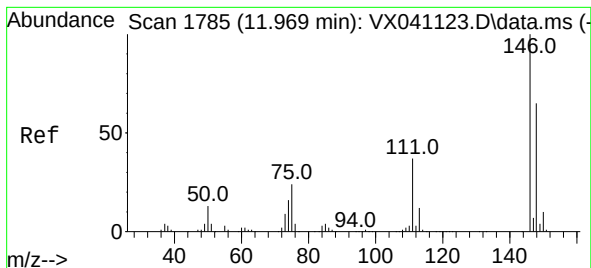
Tgt Ion:105 Resp: 331415

Ion Ratio Lower Upper

105 100

120 48.0 38.2 57.2





#64

1,3-Dichlorobenzene

Concen: 48.329 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :

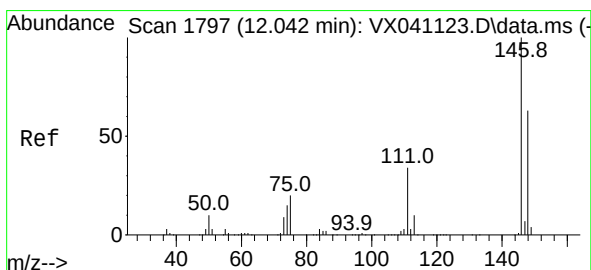
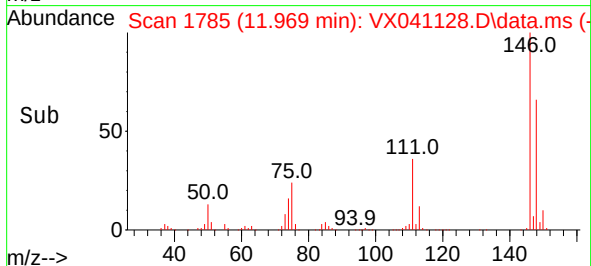
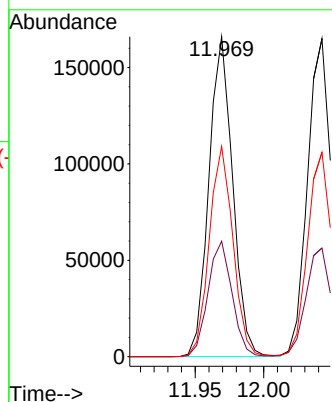
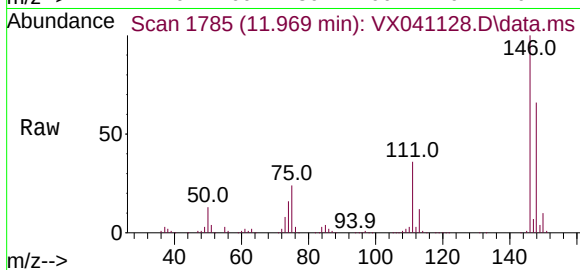
Tgt Ion:146 Resp: 199897

Ion Ratio Lower Upper

146 100

111 36.1 25.6 47.4

148 65.7 45.2 84.0



#65

1,4-Dichlorobenzene

Concen: 48.061 ug/L

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

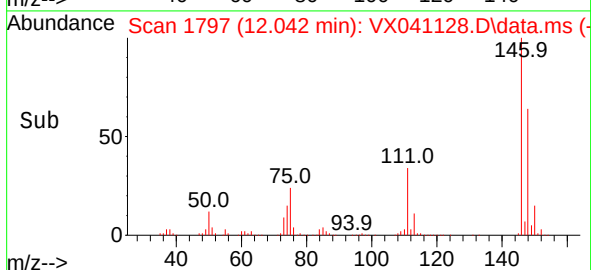
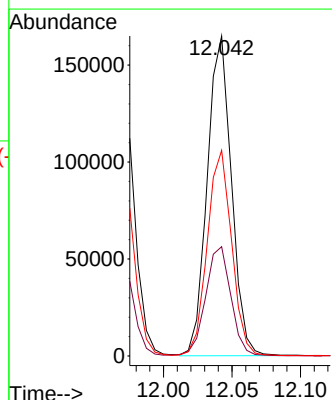
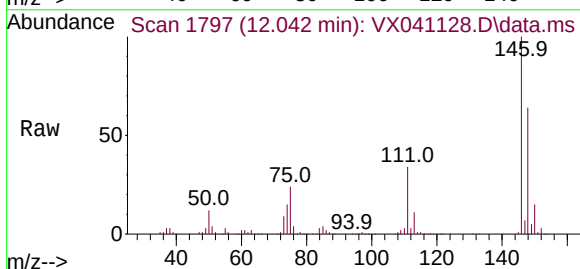
Tgt Ion:146 Resp: 202787

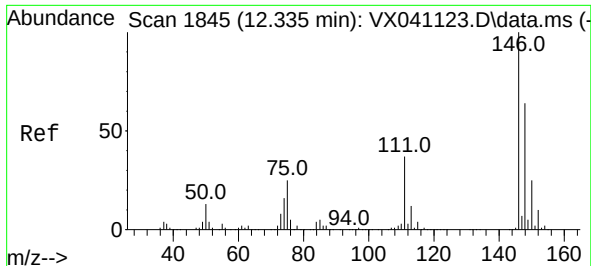
Ion Ratio Lower Upper

146 100

111 34.2 23.9 44.5

148 64.2 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 48.677 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :

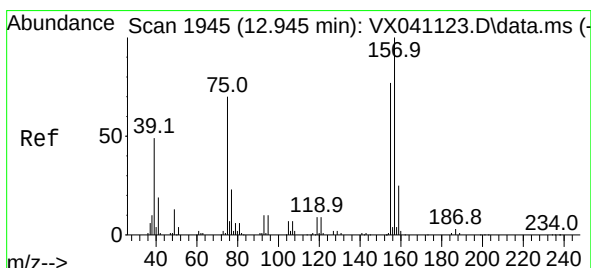
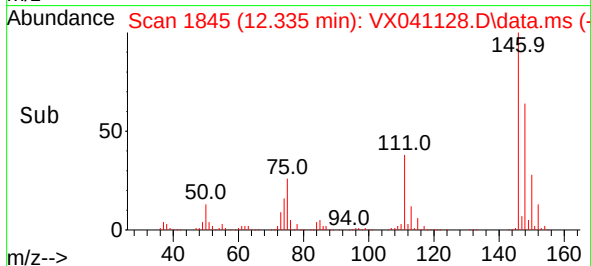
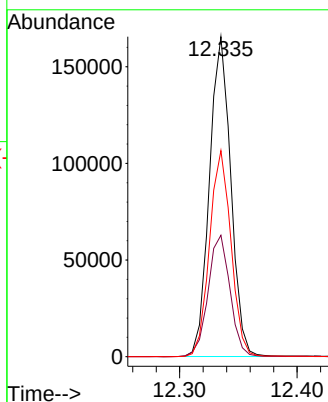
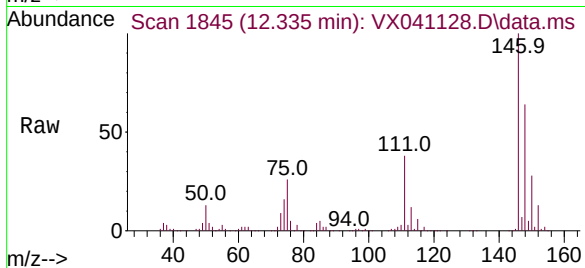
Tgt Ion:146 Resp: 208796

Ion Ratio Lower Upper

146 100

111 37.9 30.0 45.0

148 64.4 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 54.915 ug/L

RT: 12.939 min Scan# 1944

Delta R.T. -0.006 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

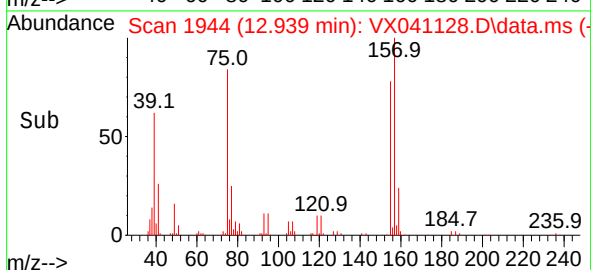
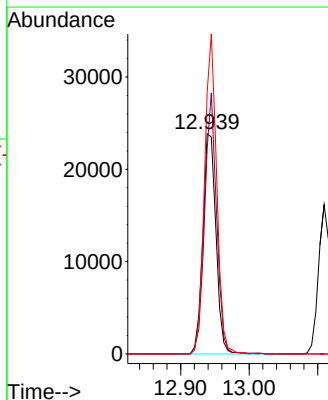
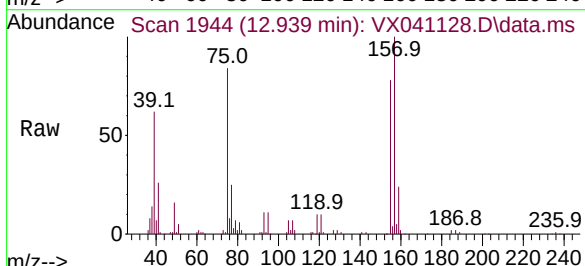
Tgt Ion: 75 Resp: 31752

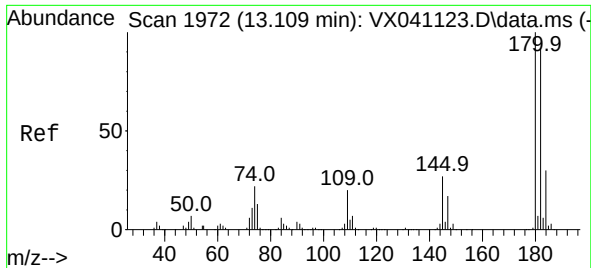
Ion Ratio Lower Upper

75 100

155 93.2 89.0 133.6

157 118.8 115.1 172.7





#69

1,3,5-Trichlorobenzene

Concen: 47.629 ug/L

RT: 13.109 min Scan# 1772

Delta R.T. 0.000 min

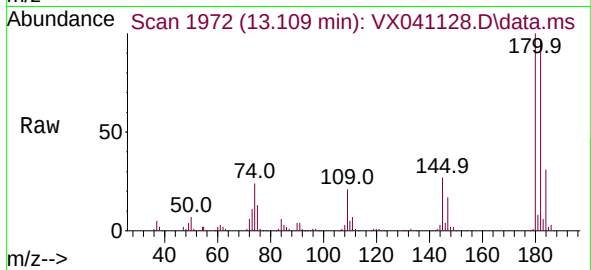
Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 153412

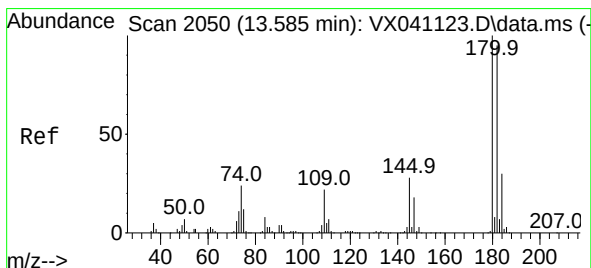
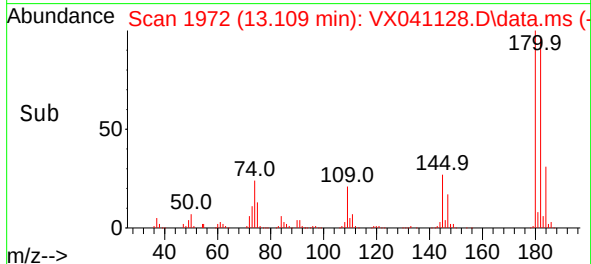
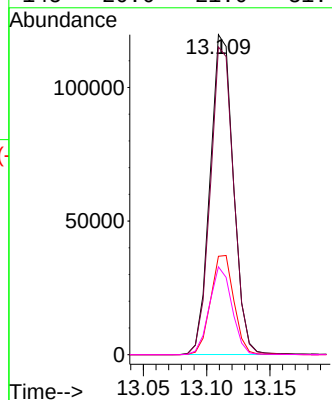
Ion Ratio Lower Upper

180 100

182 96.4 76.8 115.2

184 31.0 24.3 36.5

145 26.6 21.0 31.4



#70

1,2,4-trichlorobenzene

Concen: 47.682 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

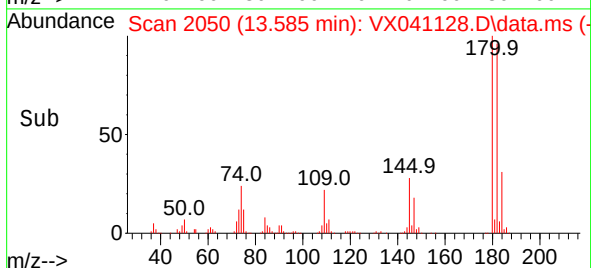
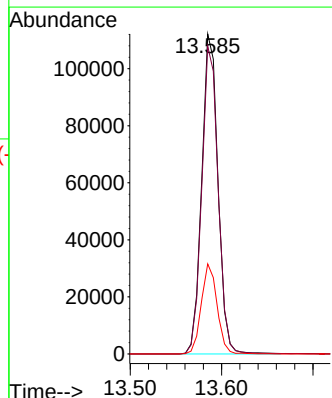
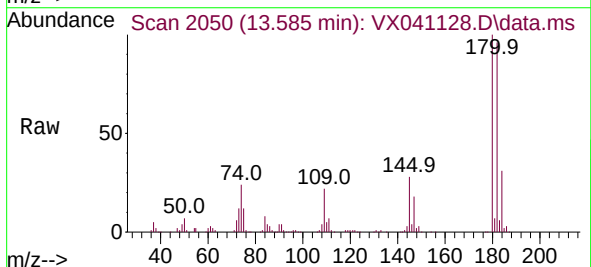
Tgt Ion:180 Resp: 138499

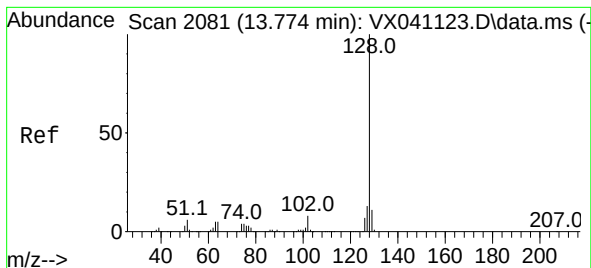
Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.4

145 27.3 21.8 32.6





#71

Naphthalene

Concen: 53.519 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Instrument :

MSVOA_X

ClientSampleId :

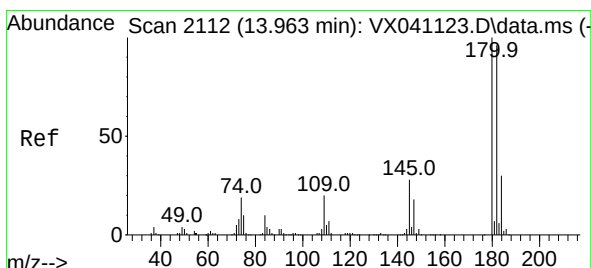
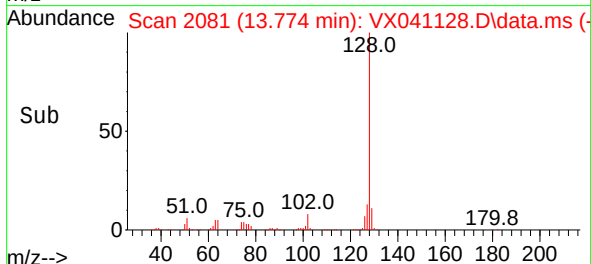
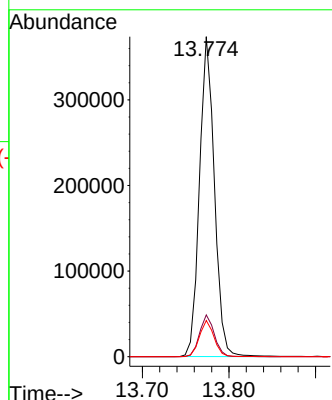
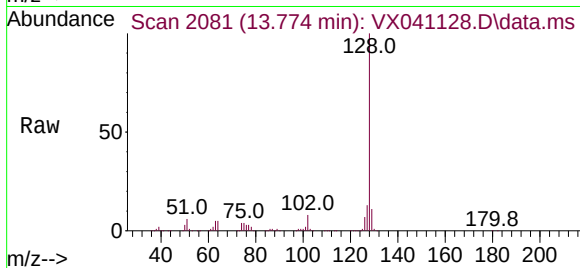
Tgt Ion:128 Resp: 446177

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 48.425 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX041128.D

Acq: 17 Apr 2024 15:44

Tgt Ion:180 Resp: 146842

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 29.6 23.1 34.7

