

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040023.D
 Acq On : 19 Dec 2022 11:29
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Dec 20 04:22:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:20:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	985788	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	2930157	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2576617	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2012448	10.225	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	127820	0.693	ppbv	100
3) Chlorodifluoromethane	2.655	51	82509	0.567	ppbv	99
4) Chloromethane	2.793	50	49339	0.541	ppbv	91
5) Vinyl Chloride	2.899	62	40730	0.552	ppbv #	88
6) Bromomethane	3.099	94	14767	0.545	ppbv	90
7) Chloroethane	3.179	64	15760	0.567	ppbv	96
8) Dichlorotetrafluoroethane	2.838	85	110228	0.568	ppbv	98
9) Propene	2.674	41	33642	0.545	ppbv	88
10) Heptane	7.565	43	43668	0.290	ppbv #	39
11) Trichlorofluoromethane	3.546	101	109425	0.546	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	84112	0.554	ppbv	100
13) Ethanol	3.247	45	1720	0.330	ppbv #	1
14) Bromoethene	3.346	108	28004	0.490	ppbv #	90
15) Acetone	3.462	43	84581	0.555	ppbv	90
16) 1,3-Butadiene	2.967	39	32505	0.490	ppbv	90
17) tert-Butyl alcohol	3.877	59	53156	0.356	ppbv #	81
18) 1,1-Dichloroethene	3.861	96	35783	0.541	ppbv	98
19) Isopropyl Alcohol	3.578	45	40026	0.533	ppbv #	89
20) Methylene Chloride	3.915	84	42003	0.648	ppbv #	85
21) Allyl Chloride	3.976	41	46735	0.510	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	32114	0.487	ppbv	93
23) Vinyl Acetate	4.607	43	6519	0.135	ppbv #	78
24) 1,1-Dichloroethane	4.546	63	77591	0.547	ppbv #	98
25) Ethyl Acetate	5.192	43	144619	0.548	ppbv	98
26) Hexane	5.195	57	60298	0.543	ppbv	93
27) Carbon Disulfide	4.108	76	59880	0.428	ppbv #	91
28) Methyl tert-Butyl Ether	4.578	73	71753	0.548	ppbv	99
29) Chloroform	5.256	83	95203	0.562	ppbv	88
30) Cyclohexane	6.584	84	48570	0.494	ppbv	91
31) cis-1,2-Dichloroethene	5.060	61	56368	0.533	ppbv	90
32) 1,1,1-Trichloroethane	5.983	97	98689	0.543	ppbv	97
34) 2-Butanone	4.784	43	73483	0.475	ppbv #	88
35) Carbon Tetrachloride	6.475	117	93388	0.512	ppbv	96
36) Benzene	6.353	78	131632	0.503	ppbv	99
37) 1,2-Dichloroethane	5.787	62	75605	0.492	ppbv #	96
38) Trichloroethene	7.275	130	71569	0.529	ppbv	92
39) 1,2-Dichloropropane	7.057	63	50087	0.511	ppbv #	85
40) 1,4-Dioxane	7.288	88	2953	0.066	ppbv #	1
41) Tetrahydrofuran	5.562	42	43028	0.448	ppbv	90
42) Bromodichloromethane	7.234	83	45993	0.219	ppbv	87
43) Methyl Methacrylate	7.465	69	46806	0.477	ppbv	93
44) 2,2,4-Trimethylpentane	7.308	57	225468	0.523	ppbv	98
45) t-1,3-Dichloropropene	8.693	75	22281	0.268	ppbv	99

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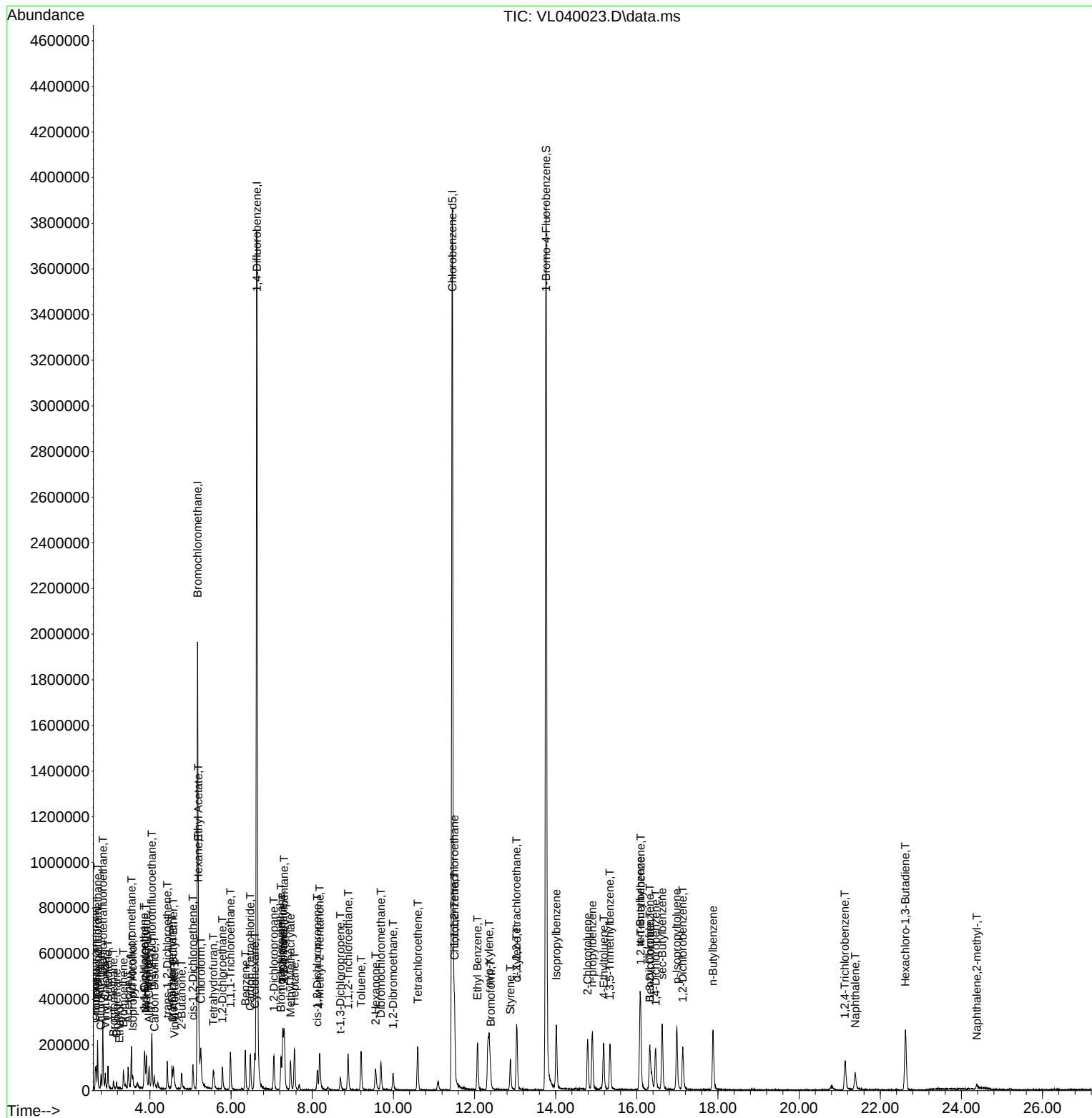
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	48397	0.413	ppbv	98
47) 1,1,2-Trichloroethane	8.886	97	24296	0.226	ppbv	97
48) Dibromochloromethane	9.693	129	70827	0.433	ppbv	99
49) Bromoform	12.404	173	17806	0.143	ppbv #	1
50) 4-Methyl-2-Pentanone	8.182	43	124920	0.481	ppbv	100
51) 2-Hexanone	9.561	43	83671	0.416	ppbv #	93
52) Tetrachloroethene	10.603	164	44530	0.497	ppbv	88
53) Toluene	9.208	91	140374	0.484	ppbv	99
54) 1,2-Dibromoethane	9.996	107	58612	0.510	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	28288	0.238	ppbv #	8
57) Chlorobenzene	11.510	112	118779	0.543	ppbv #	95
58) Ethyl Benzene	12.073	91	102893	0.281	ppbv	100
59) m/p-Xylene	12.359	91	116567	0.366	ppbv #	32
60) o-Xylene	13.040	91	78500	0.257	ppbv #	30
61) Styrene	12.886	104	71445	0.439	ppbv	94
62) Isopropylbenzene	14.018	105	237452	0.539	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.037	83	2022	0.018	ppbv #	1
64) n-propylbenzene	14.905	120	29459	0.266	ppbv #	1
65) tert-Butylbenzene	16.082	119	99111	0.259	ppbv #	17
66) Benzyl Chloride	16.323	91	2534	0.128	ppbv #	67
67) sec-Butylbenzene	16.625	105	281762	0.525	ppbv	98
69) p-Isopropyltoluene	16.982	119	216183	0.504	ppbv	97
70) n-Butylbenzene	17.876	91	151690	0.339	ppbv #	71
71) 2-Chlorotoluene	14.790	91	175146	0.521	ppbv	97
72) 4-Ethyltoluene	15.185	105	169967	0.501	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.336	105	71838	0.234	ppbv	90
74) 1,2,4-Trimethylbenzene	16.098	105	181408	0.538	ppbv #	89
75) 1,3-Dichlorobenzene	16.320	146	59636	0.324	ppbv #	49
76) 1,4-Dichlorobenzene	16.468	146	37346	0.205	ppbv #	1
77) 1,2-Dichlorobenzene	17.134	146	52329	0.295	ppbv #	33
78) Hexachloro-1,3-Butadiene	22.619	225	35694	0.291	ppbv #	100
79) Naphthalene	21.381	128	43670	0.218	ppbv	98
80) Naphthalene,2-methyl-	24.381	142	21367	0.372	ppbv	96
81) 1,2,4-Trichlorobenzene	21.127	180	22630	0.191	ppbv #	12

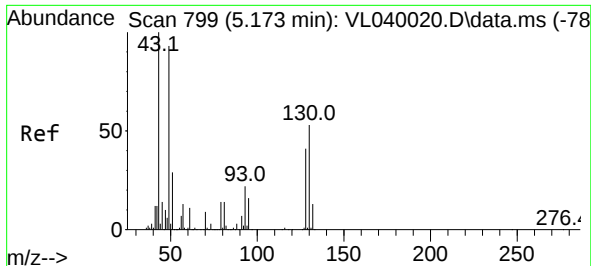
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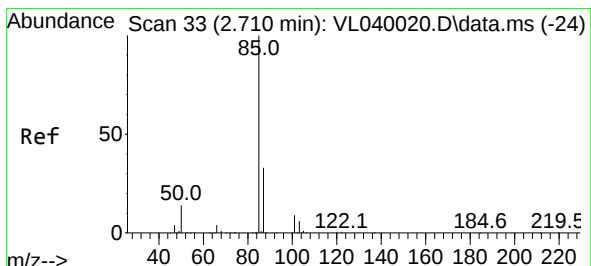
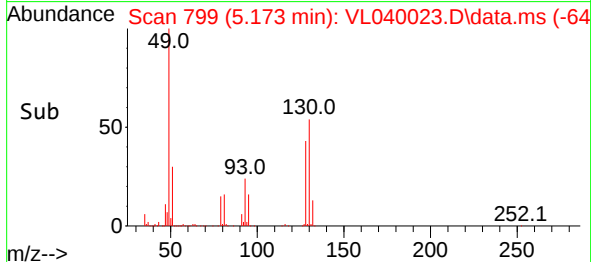
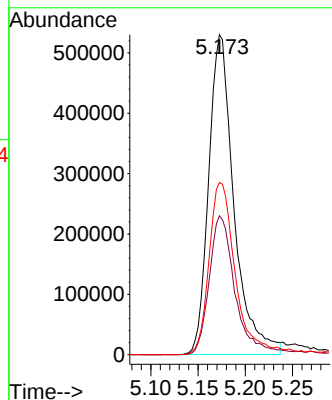
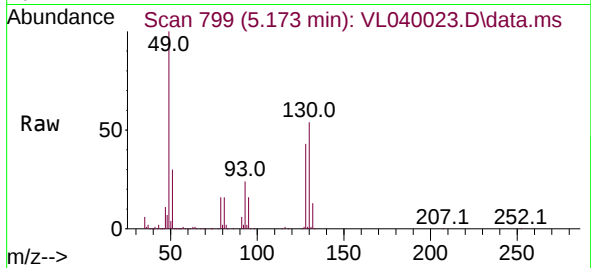




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 799
Delta R.T. -0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

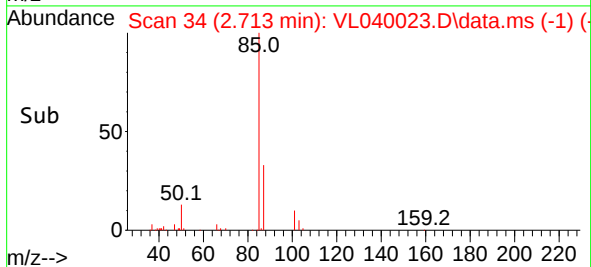
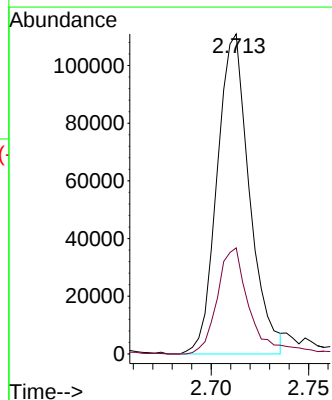
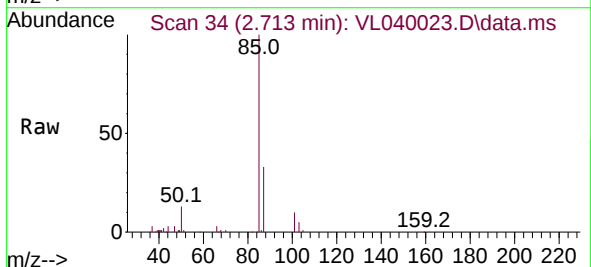
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MSVOA_L
ClientSampleId :
VSTDIC0.5

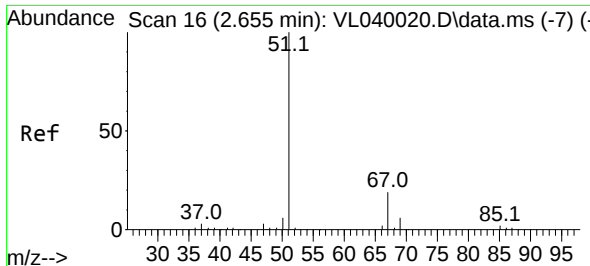
Tgt Ion: 49 Resp: 985788
Ion Ratio Lower Upper
49 100
128 45.8 22.4 67.3
130 58.2 28.9 86.8



#2
Dichlorodifluoromethane
Concen: 0.693 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 85 Resp: 127820
Ion Ratio Lower Upper
85 100
87 33.1 26.6 40.0

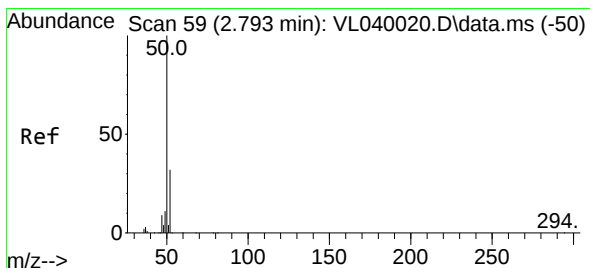
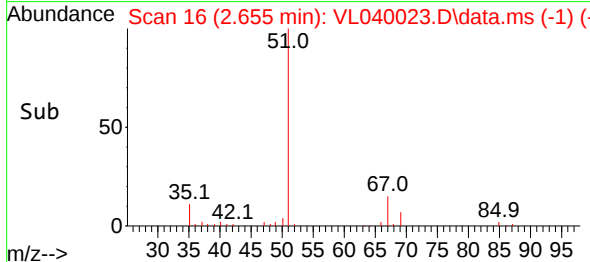
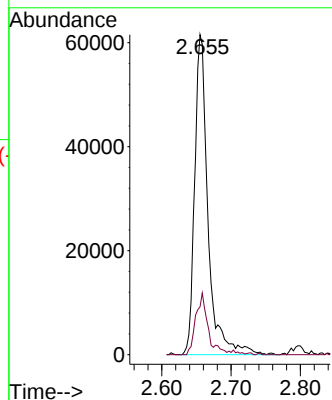
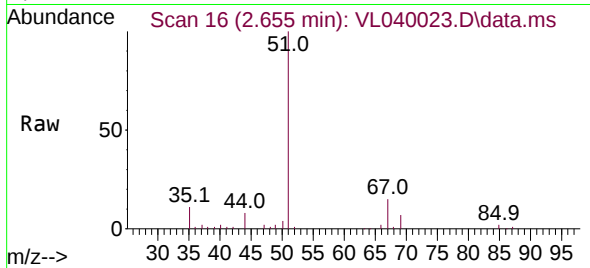




#3
Chlorodifluoromethane
Concen: 0.567 ppbv
RT: 2.655 min Scan# 16
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

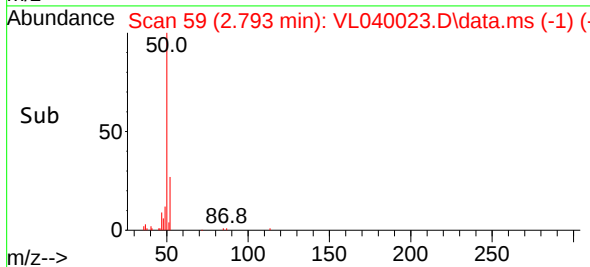
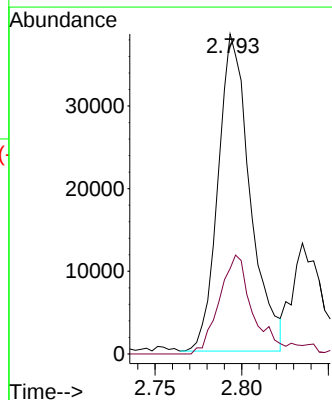
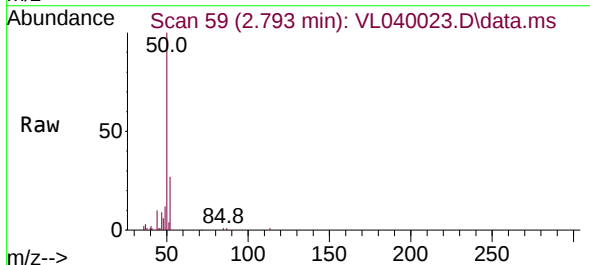
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ClientSampleId :
VSTDIC0.5

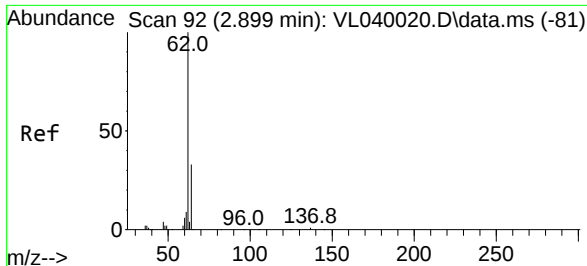
Tgt Ion: 51 Resp: 82509
Ion Ratio Lower Upper
51 100
67 18.7 15.3 22.9



#4
Chloromethane
Concen: 0.541 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 50 Resp: 49339
Ion Ratio Lower Upper
50 100
52 27.0 25.5 38.3

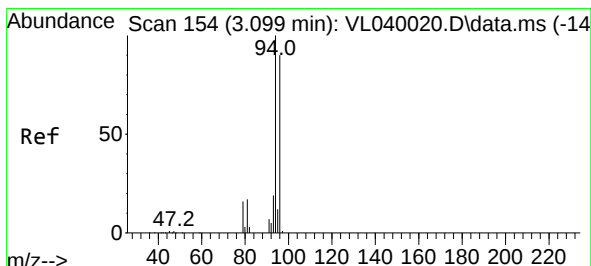
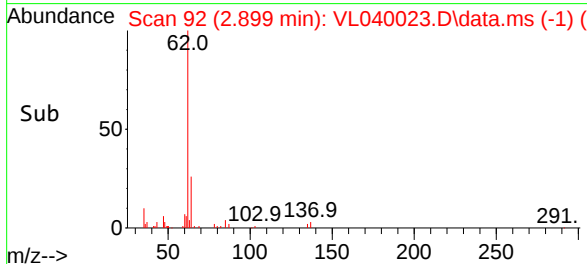
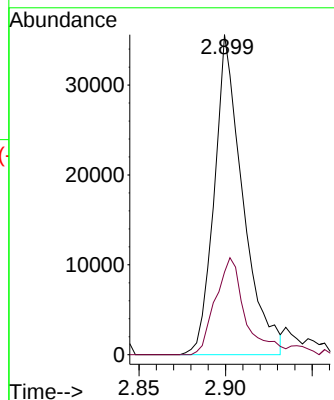
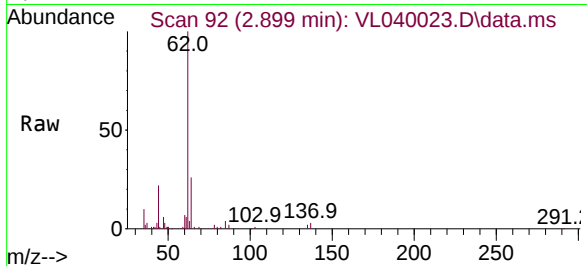




#5
 Vinyl Chloride
 Concen: 0.552 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

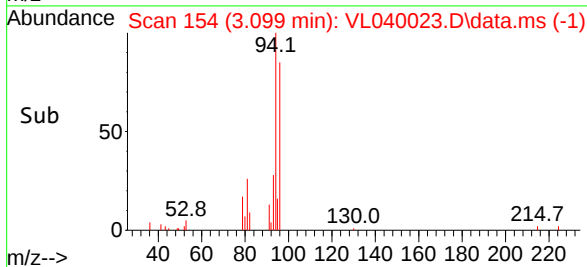
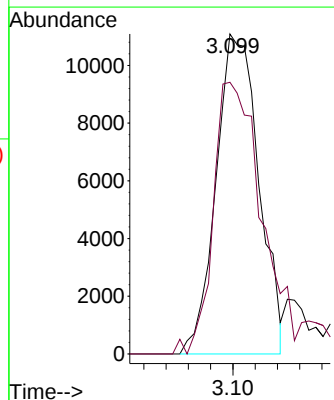
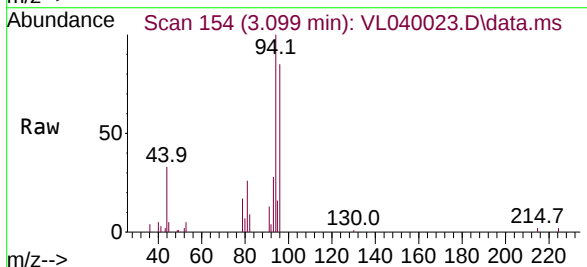
Instrument :
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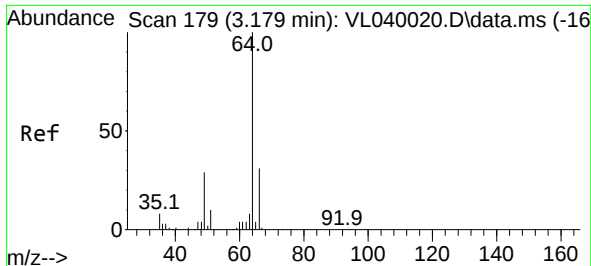
Tgt Ion: 62 Resp: 40730
 Ion Ratio Lower Upper
 62 100
 64 25.8 26.1 39.1#



#6
 Bromomethane
 Concen: 0.545 ppbv
 RT: 3.099 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

Tgt Ion: 94 Resp: 14767
 Ion Ratio Lower Upper
 94 100
 96 80.3 72.0 108.0

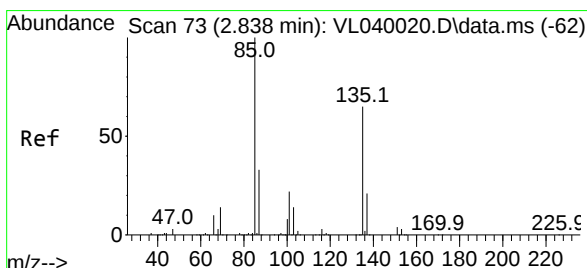
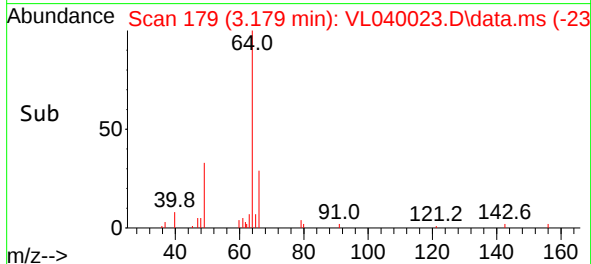
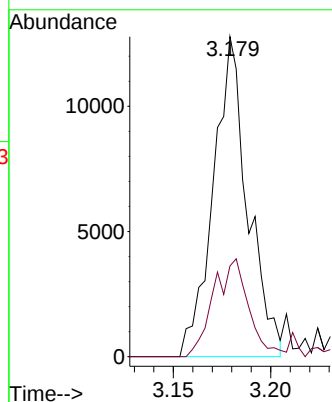
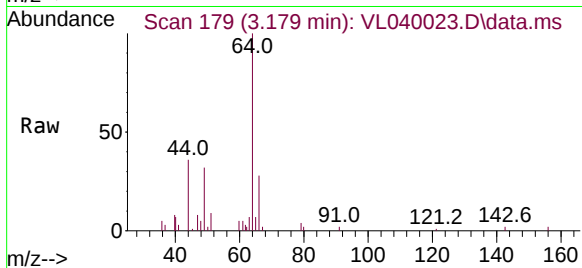




#7
Chloroethane
Concen: 0.567 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

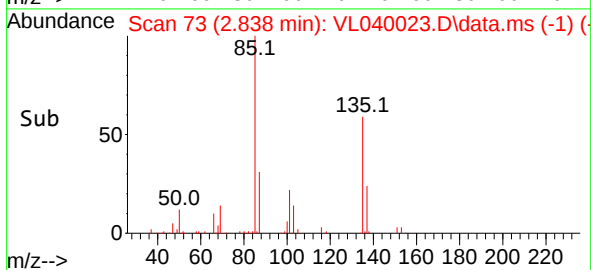
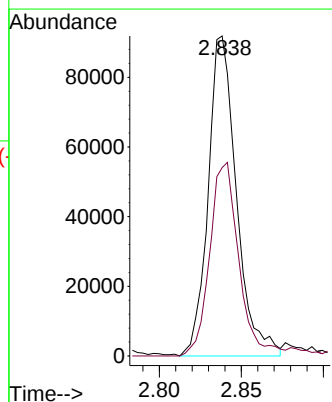
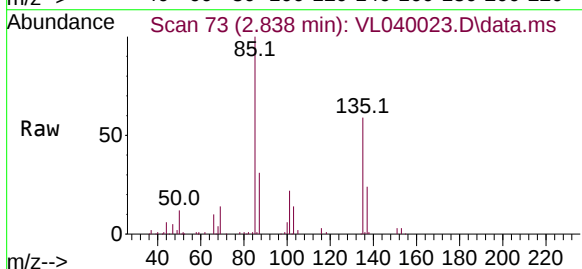
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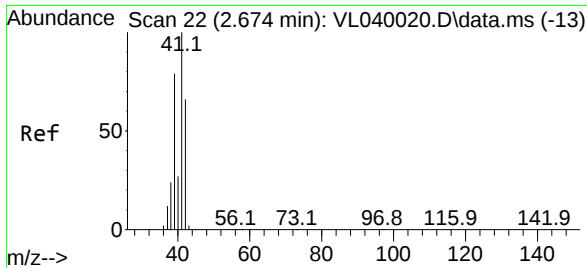
Tgt Ion: 64 Resp: 15760
Ion Ratio Lower Upper
64 100
66 28.4 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 0.568 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 85 Resp: 110228
Ion Ratio Lower Upper
85 100
135 65.3 53.2 79.8

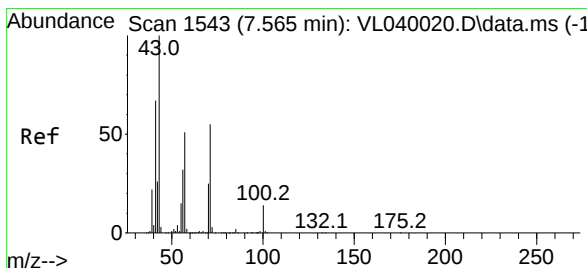
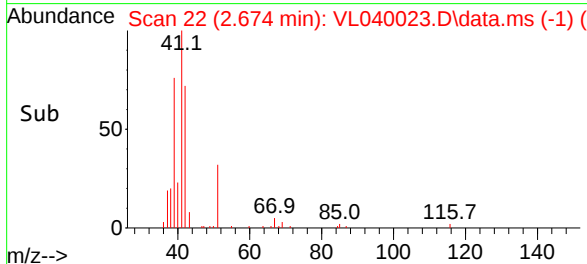
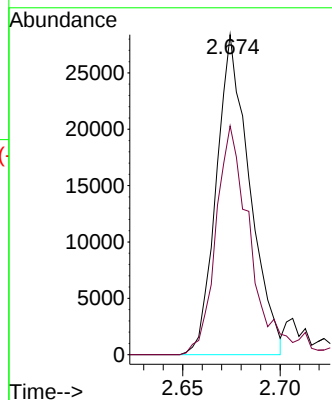
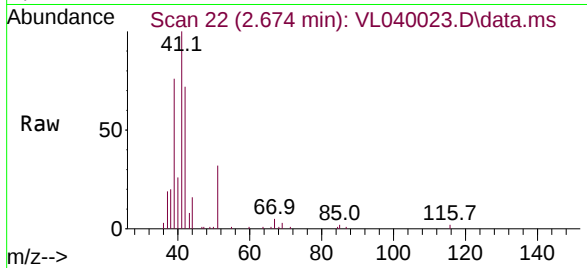




#9
 Propene
 Concen: 0.545 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

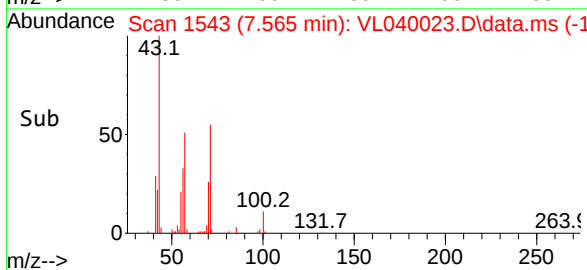
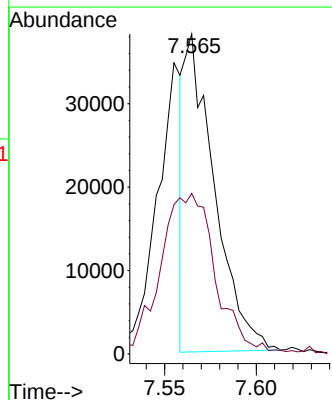
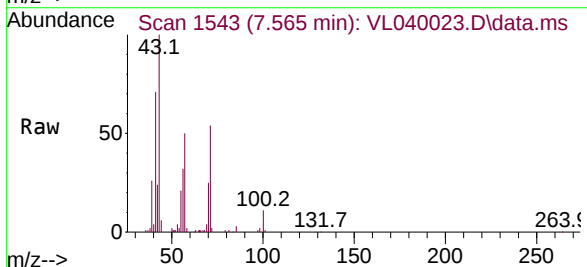
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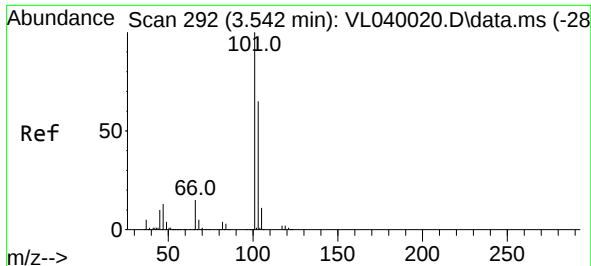
Tgt Ion: 41 Resp: 33642
 Ion Ratio Lower Upper
 41 100
 42 77.9 54.8 82.2



#10
 Heptane
 Concen: 0.290 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. 0.000 min
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Tgt Ion: 43 Resp: 43668
 Ion Ratio Lower Upper
 43 100
 57 94.1 41.2 61.8#

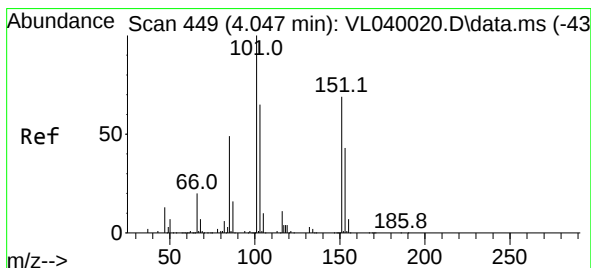
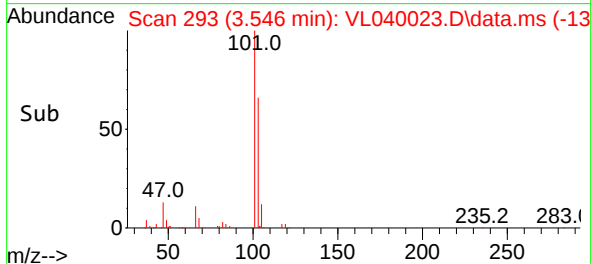
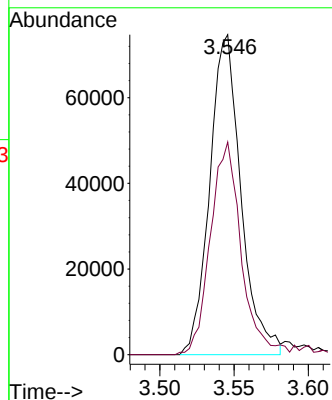
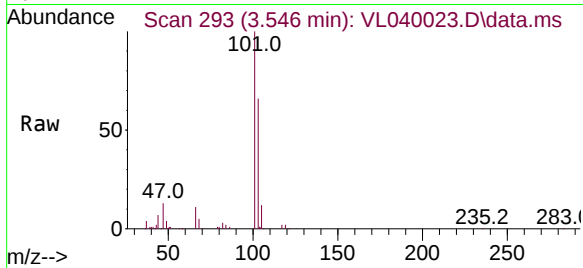




#11
 Trichlorofluoromethane
 Concen: 0.546 ppbv
 RT: 3.546 min Scan# 292
 Delta R.T. 0.003 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

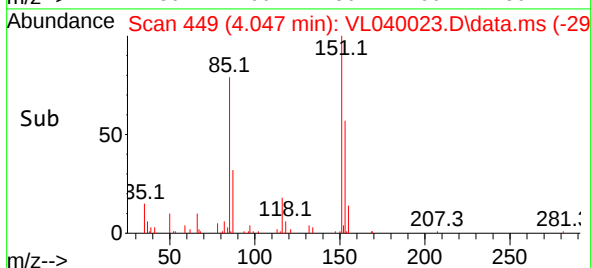
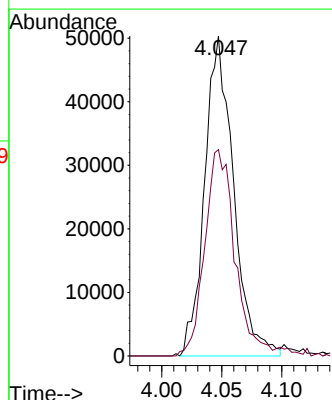
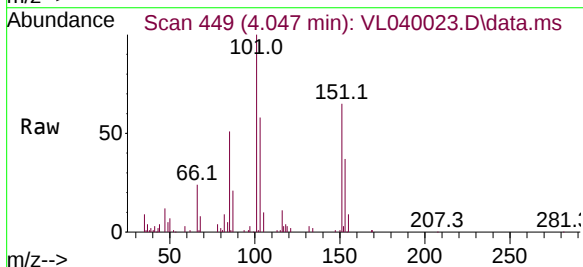
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

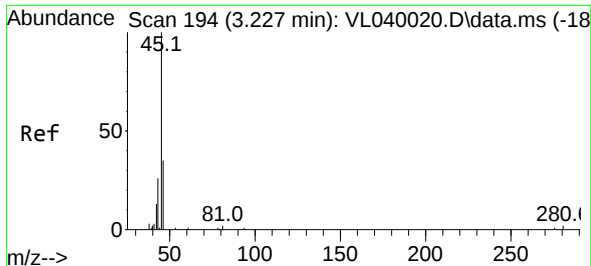
Tgt Ion:101 Resp: 109425
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.554 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. 0.000 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

Tgt Ion:101 Resp: 84112
 Ion Ratio Lower Upper
 101 100
 151 68.8 55.0 82.4

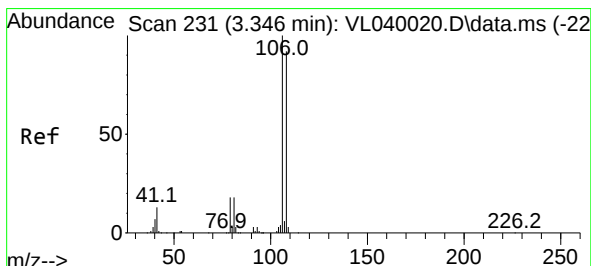
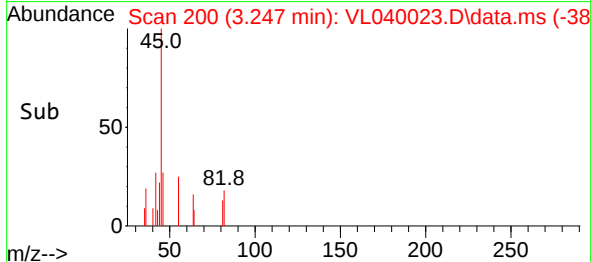
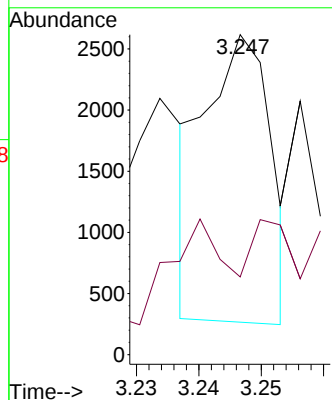
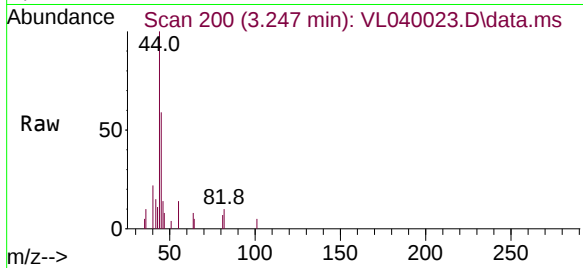




#13
Ethanol
Concen: 0.330 ppbv
RT: 3.247 min Scan# 200
Delta R.T. 0.019 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

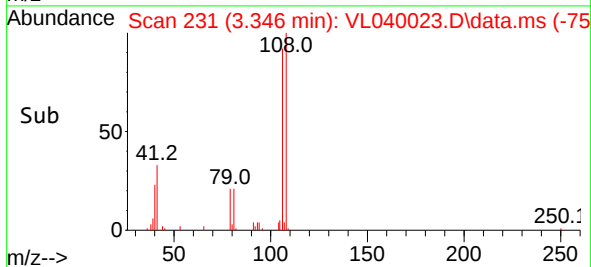
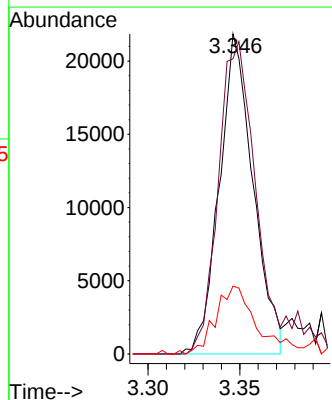
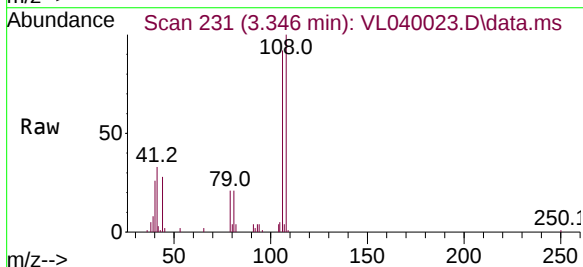
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

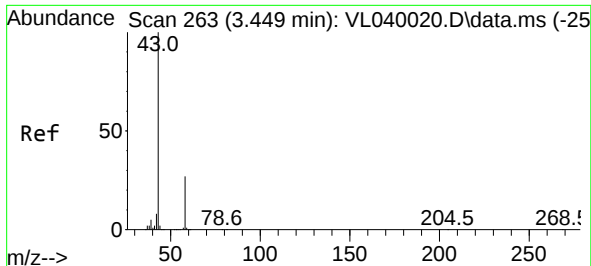
Tgt Ion: 45 Resp: 1720
Ion Ratio Lower Upper
45 100
46 125.1 13.7 54.7#



#14
Bromoethene
Concen: 0.490 ppbv
RT: 3.346 min Scan# 231
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion:108 Resp: 28004
Ion Ratio Lower Upper
108 100
106 119.3 87.5 131.3
79 27.2 15.8 23.8#





#15

Acetone

Concen: 0.555 ppbv

RT: 3.462 min Scan# 2

Delta R.T. 0.013 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

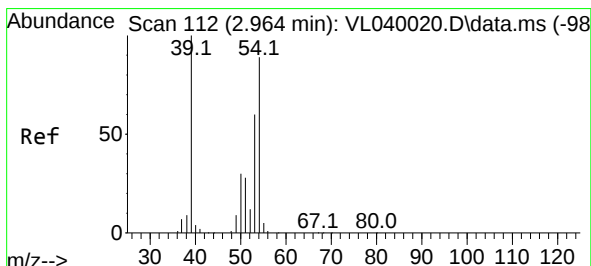
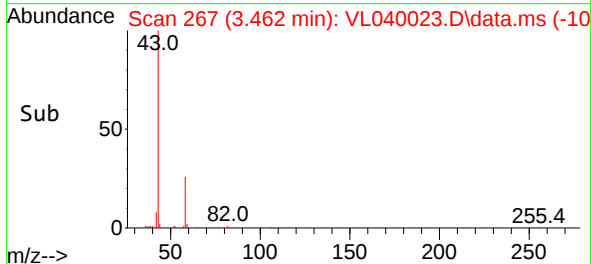
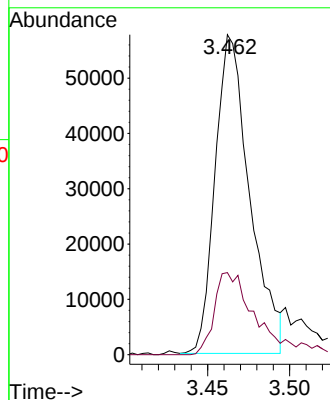
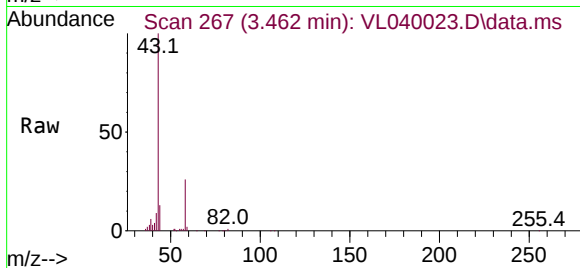
VSTDIC0.5

Tgt Ion: 43 Resp: 84581

Ion Ratio Lower Upper

43 100

58 32.6 21.8 32.8



#16

1,3-Butadiene

Concen: 0.490 ppbv

RT: 2.967 min Scan# 113

Delta R.T. 0.003 min

Lab File: VL040023.D

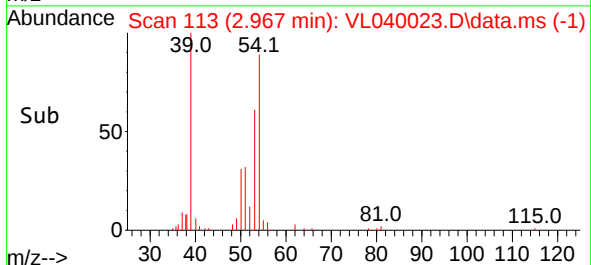
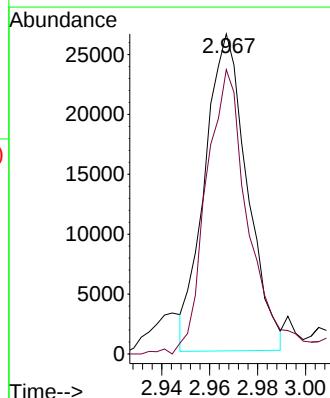
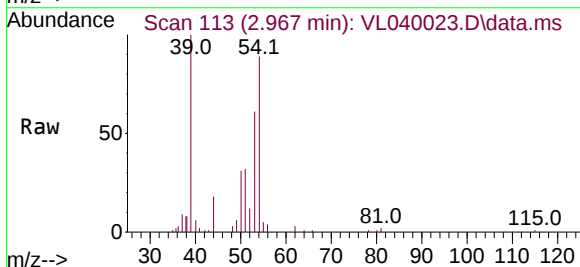
Acq: 19 Dec 2022 11:29

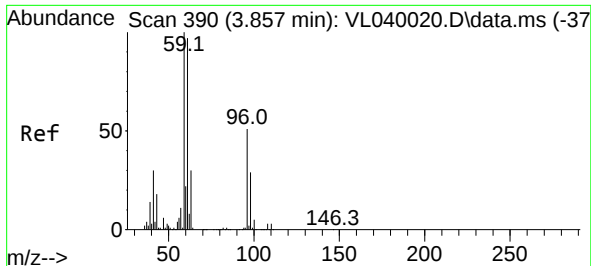
Tgt Ion: 39 Resp: 32505

Ion Ratio Lower Upper

39 100

54 94.6 68.3 102.5





#17

tert-Butyl alcohol

Concen: 0.356 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.019 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

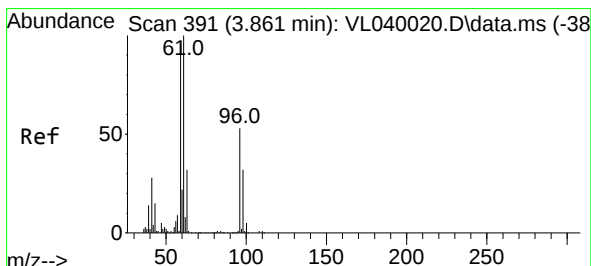
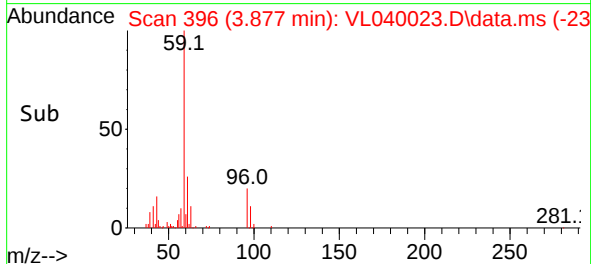
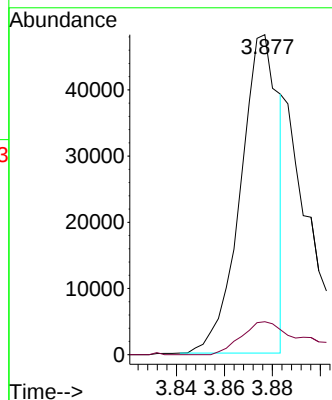
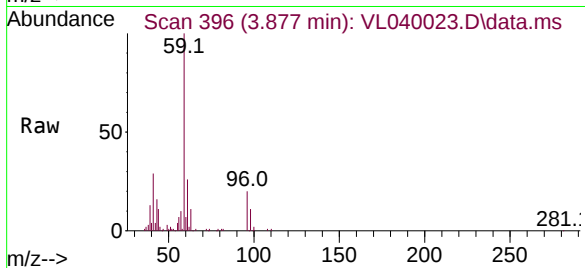
VSTDICC0.5

Tgt Ion: 59 Resp: 53156

Ion Ratio Lower Upper

59 100

57 17.6 8.4 12.6#



#18

1,1-Dichloroethene

Concen: 0.541 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

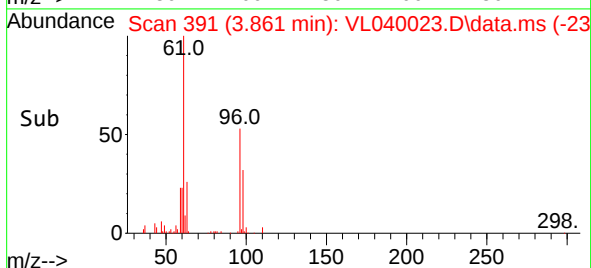
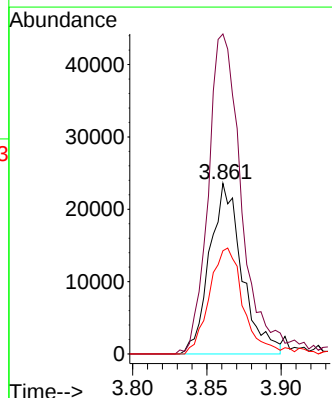
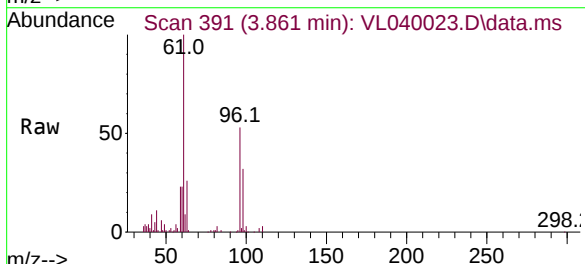
Tgt Ion: 96 Resp: 35783

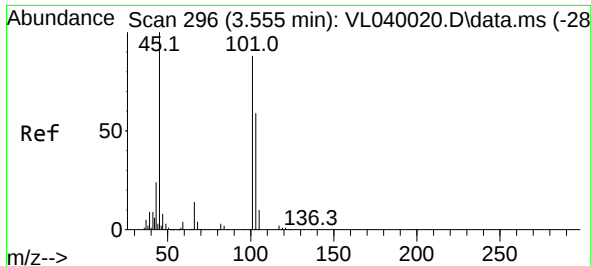
Ion Ratio Lower Upper

96 100

61 185.3 151.0 226.6

98 60.5 47.7 71.5





#19

Isopropyl Alcohol

Concen: 0.533 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.023 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

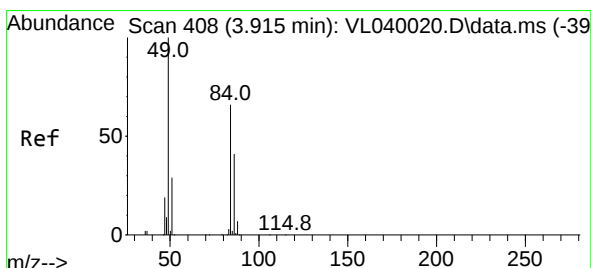
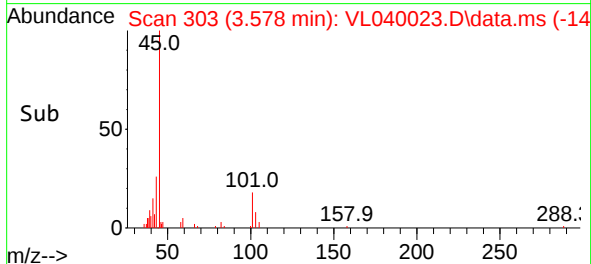
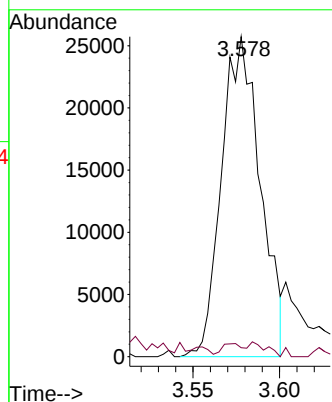
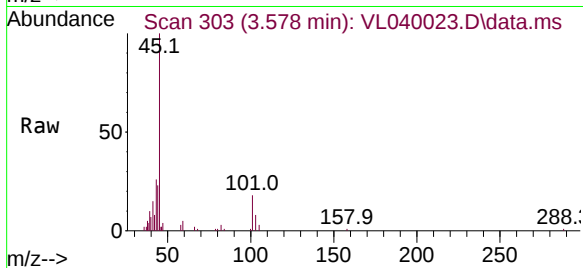
VSTDICC0.5

Tgt Ion: 45 Resp: 40026

Ion Ratio Lower Upper

45 100

58 6.0 1.7 2.5#



#20

Methylene Chloride

Concen: 0.648 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Tgt Ion: 84 Resp: 42003

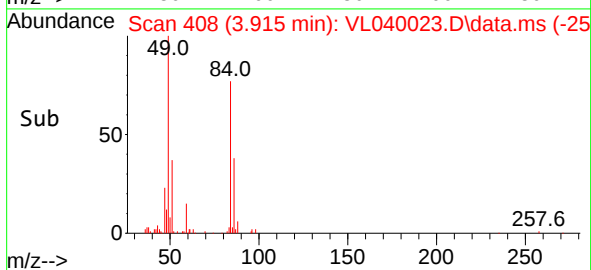
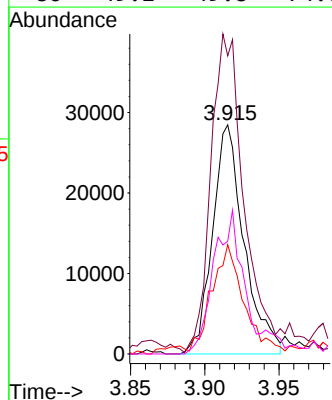
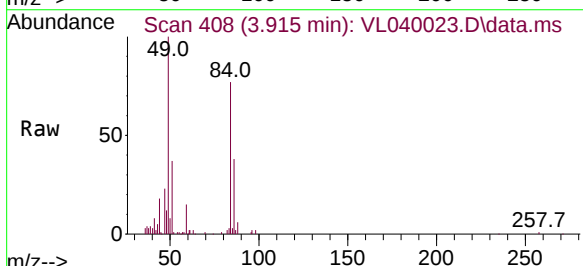
Ion Ratio Lower Upper

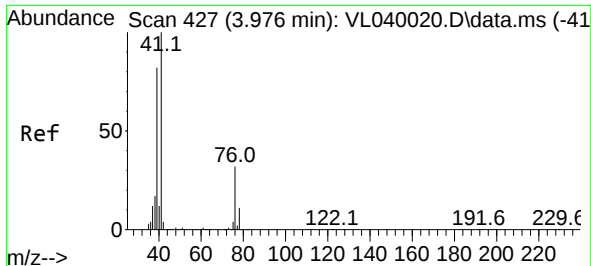
84 100

49 127.8 120.5 180.7

51 44.2 35.2 52.8

86 49.2 49.8 74.6#

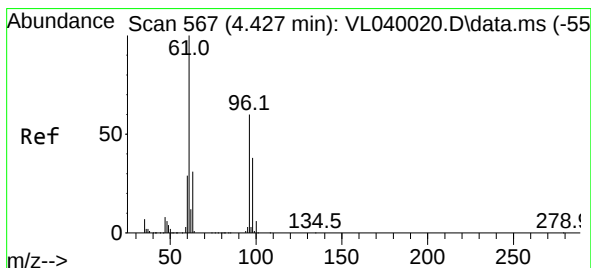
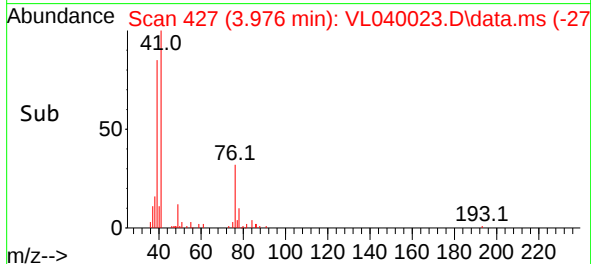
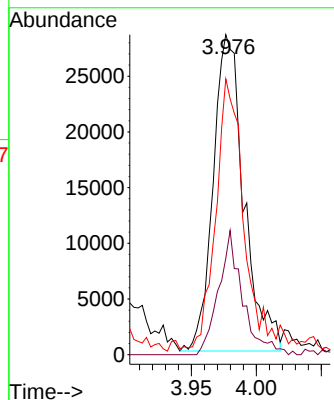
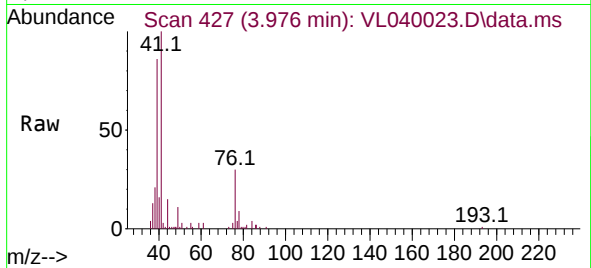




#21
 Allyl Chloride
 Concen: 0.510 ppbv
 RT: 3.976 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

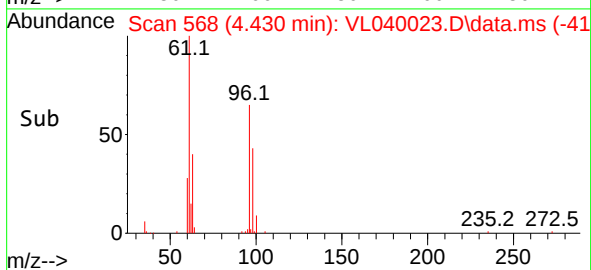
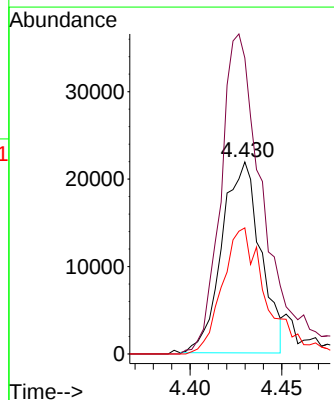
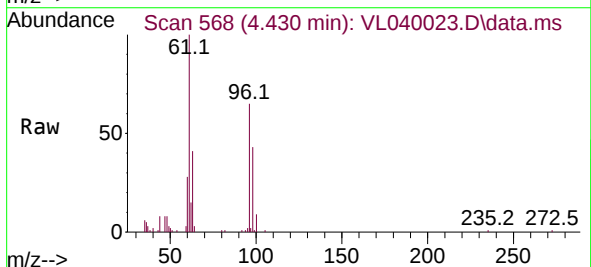
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

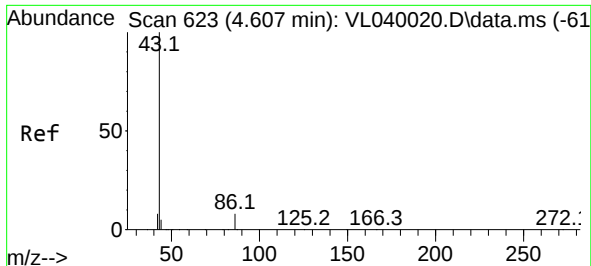
Tgt Ion: 41 Resp: 46735
 Ion Ratio Lower Upper
 41 100
 76 30.8 25.9 38.9
 39 82.7 66.0 99.0



#22
 trans-1,2-Dichloroethene
 Concen: 0.487 ppbv
 RT: 4.430 min Scan# 568
 Delta R.T. 0.003 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

Tgt Ion: 96 Resp: 32114
 Ion Ratio Lower Upper
 96 100
 61 155.2 133.6 200.4
 98 66.1 51.4 77.0



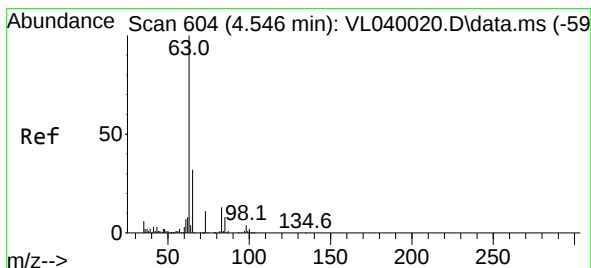
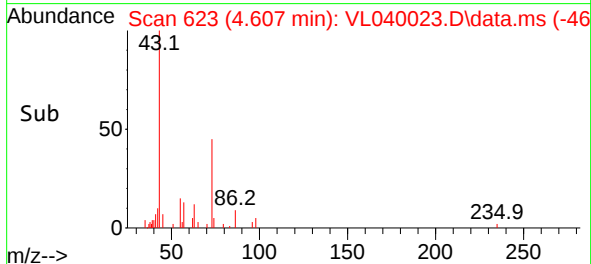
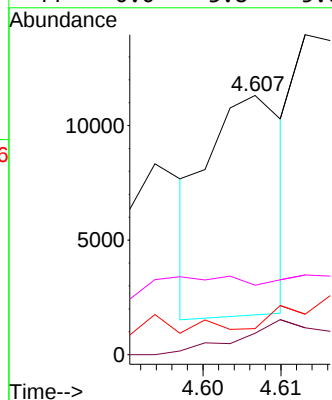
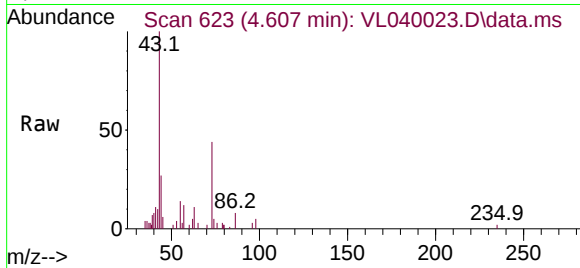


#23
 Vinyl Acetate
 Concen: 0.135 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 6519

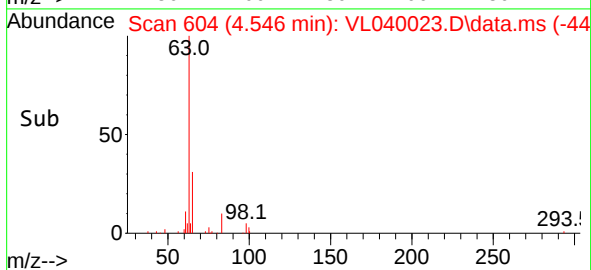
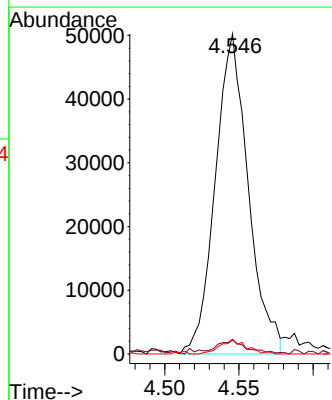
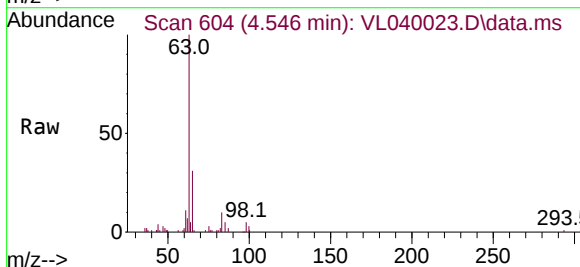
Ion	Ratio	Lower	Upper
43	100		
86	21.3	5.3	7.9#
42	5.6	7.4	11.0#
44	0.0	3.8	5.6#

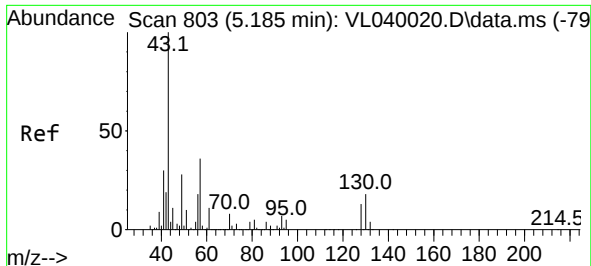


#24
 1,1-Dichloroethane
 Concen: 0.547 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. 0.000 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

Tgt Ion: 63 Resp: 77591

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	4.4	1.1	3.3#



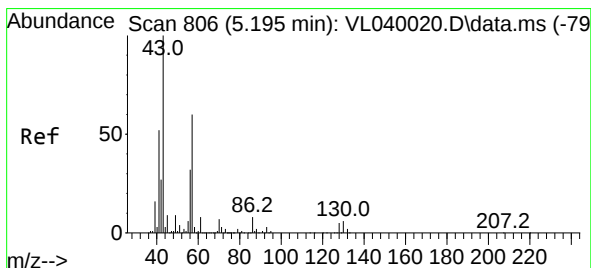
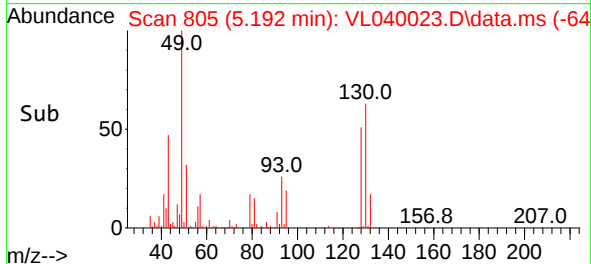
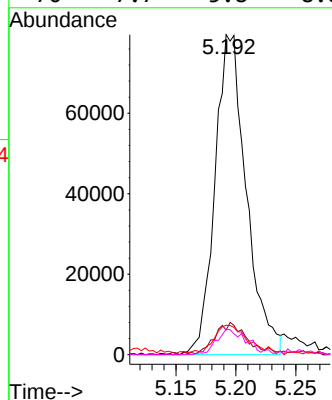
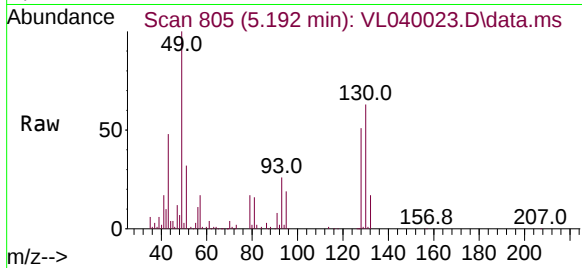


#25
Ethyl Acetate
Concen: 0.548 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.006 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 144619

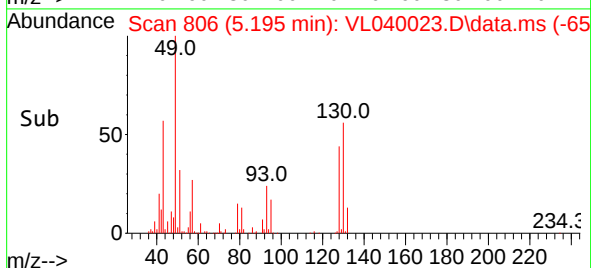
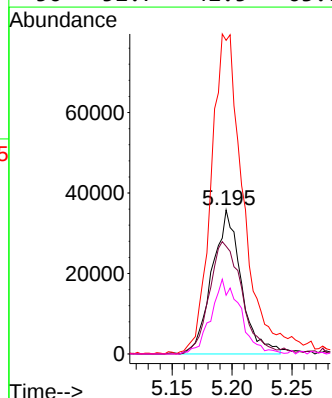
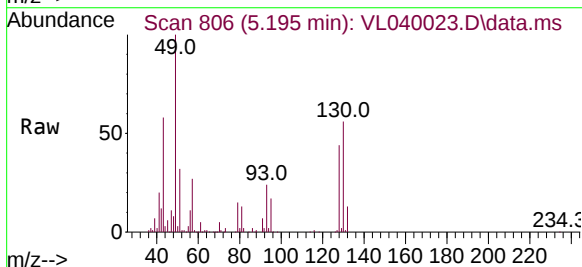
Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.6	12.8
61	9.2	8.5	12.7
70	7.7	5.8	8.8

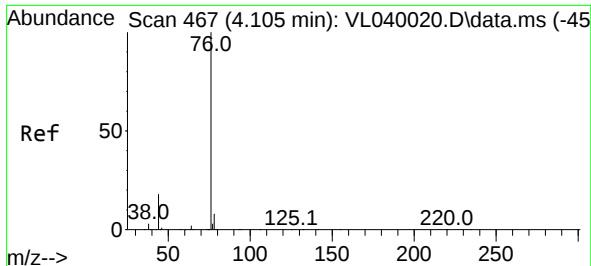


#26
Hexane
Concen: 0.543 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 57 Resp: 60298

Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.1	108.1
43	257.5	192.1	288.1
56	52.7	42.5	63.7





#27

Carbon Disulfide

Concen: 0.428 ppbv

RT: 4.108 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

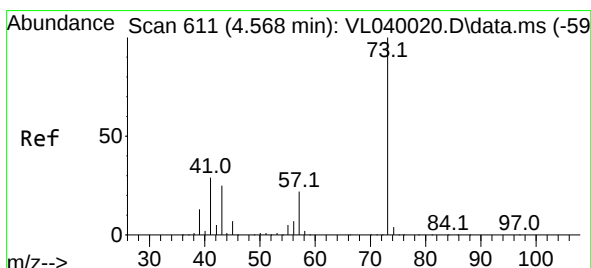
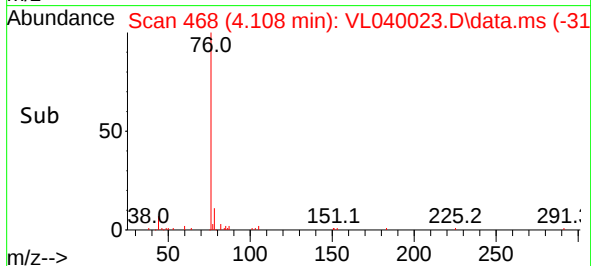
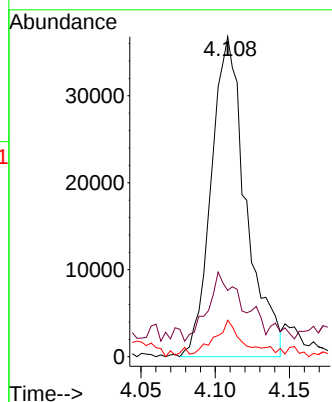
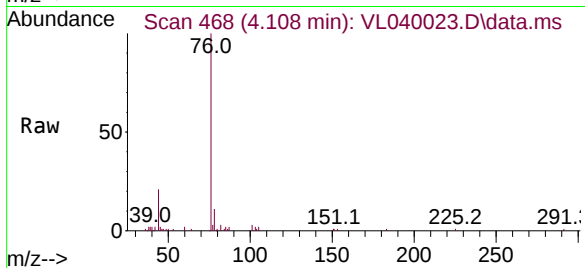
Tgt Ion: 76 Resp: 59880

Ion Ratio Lower Upper

76 100

44 24.0 15.3 22.9#

78 11.8 7.8 11.6#



#28

Methyl tert-Butyl Ether

Concen: 0.548 ppbv

RT: 4.578 min Scan# 614

Delta R.T. 0.010 min

Lab File: VL040023.D

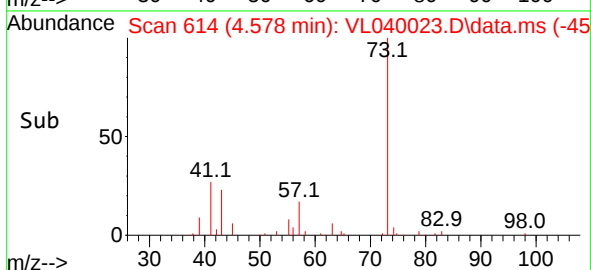
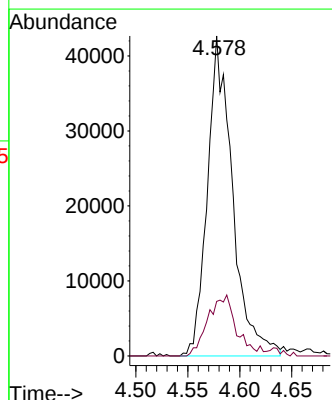
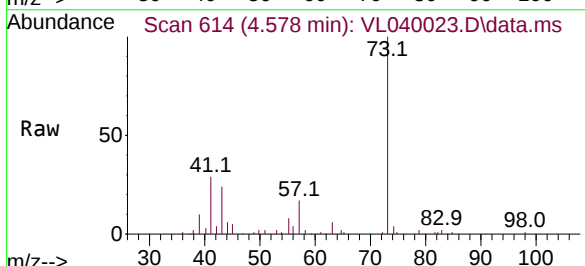
Acq: 19 Dec 2022 11:29

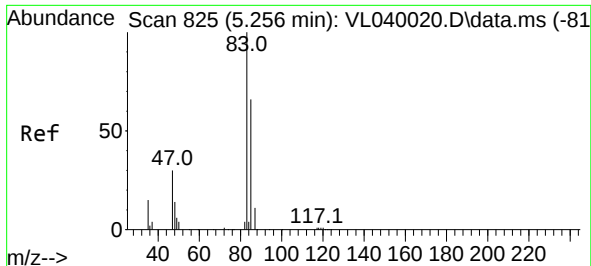
Tgt Ion: 73 Resp: 71753

Ion Ratio Lower Upper

73 100

57 23.0 18.6 28.0





#29

Chloroform

Concen: 0.562 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

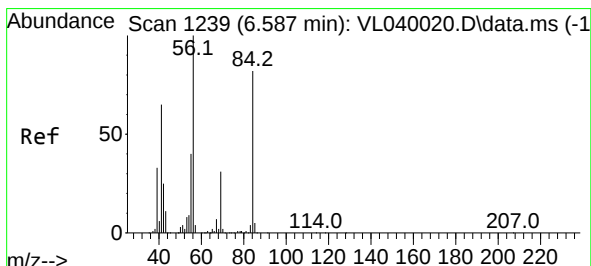
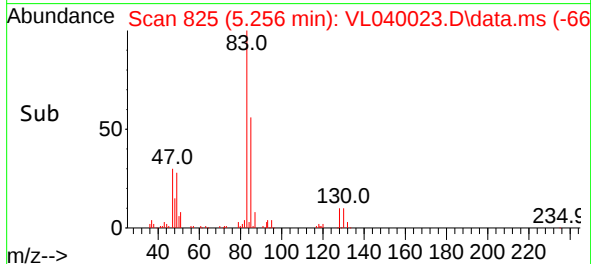
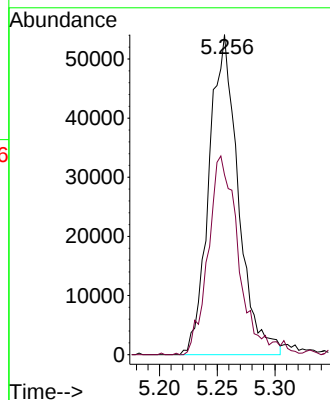
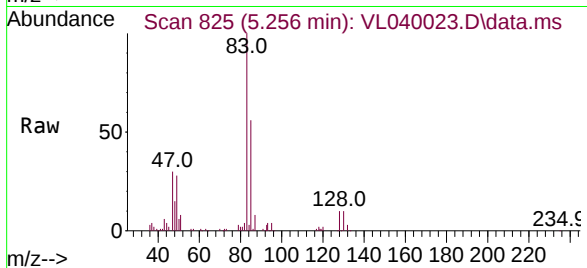
VSTDIC0.5

Tgt Ion: 83 Resp: 95203

Ion Ratio Lower Upper

83 100

85 56.2 52.4 78.6



#30

Cyclohexane

Concen: 0.494 ppbv

RT: 6.584 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

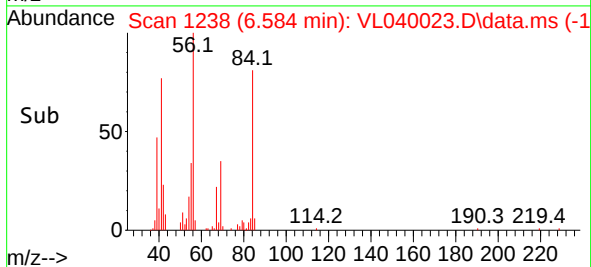
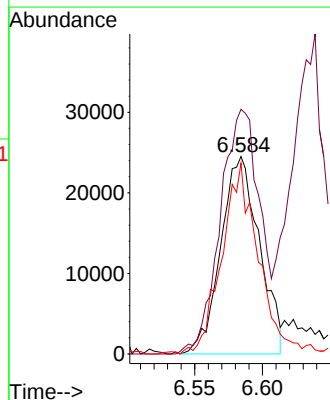
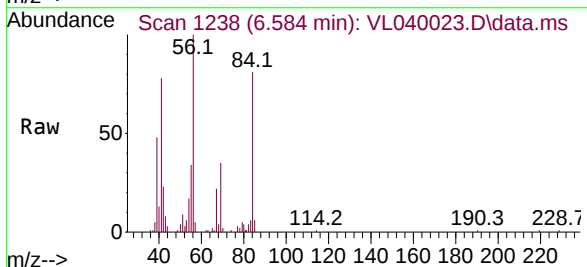
Tgt Ion: 84 Resp: 48570

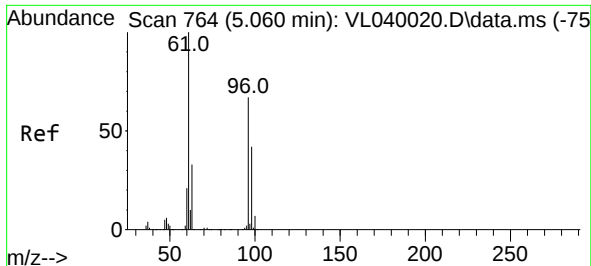
Ion Ratio Lower Upper

84 100

56 127.1 110.2 165.4

41 94.1 67.8 101.8

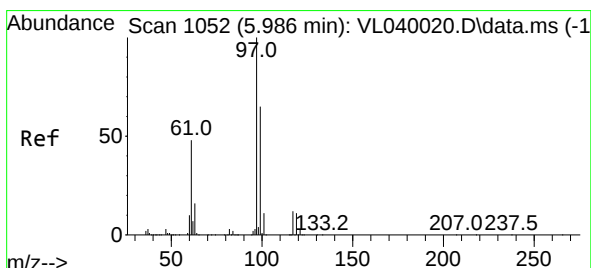
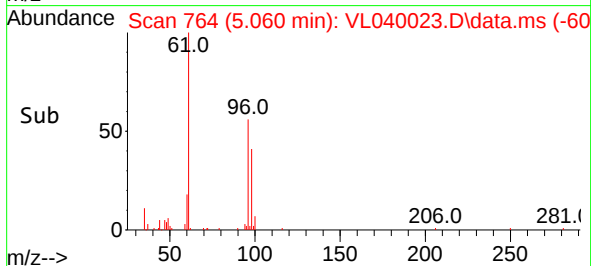
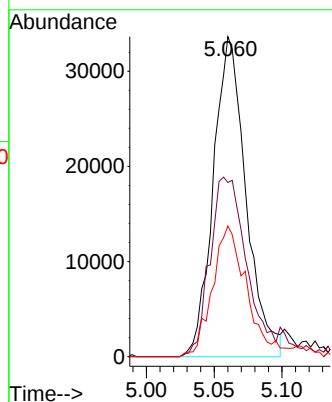
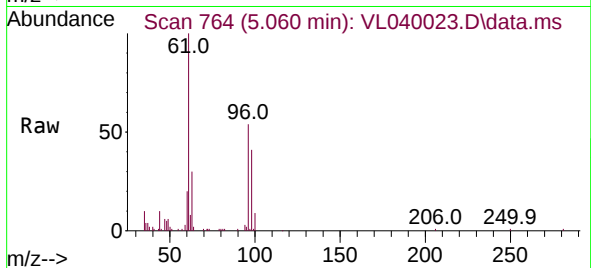




#31
 cis-1,2-Dichloroethene
 Concen: 0.533 ppbv
 RT: 5.060 min Scan# 764
 Delta R.T. 0.000 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

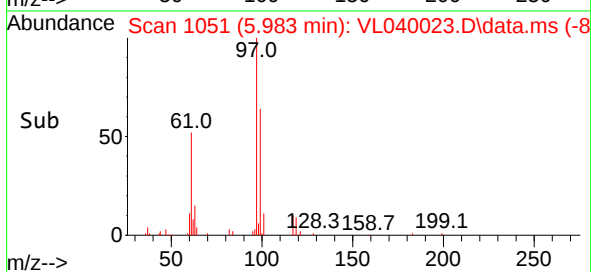
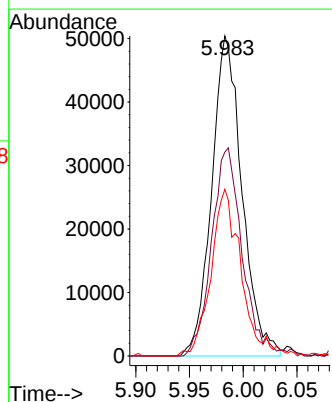
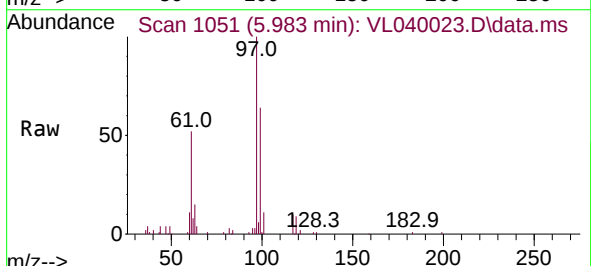
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

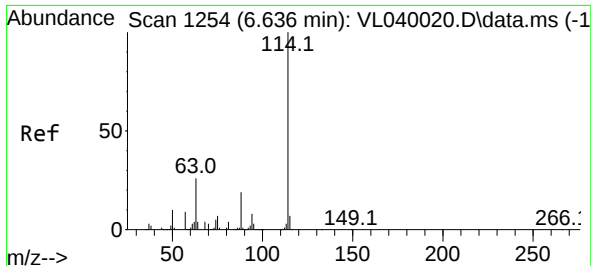
Tgt Ion: 61 Resp: 56368
 Ion Ratio Lower Upper
 61 100
 96 54.5 53.4 80.2
 98 40.8 33.4 50.0



#32
 1,1,1-Trichloroethane
 Concen: 0.543 ppbv
 RT: 5.983 min Scan# 1051
 Delta R.T. -0.003 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

Tgt Ion: 97 Resp: 98689
 Ion Ratio Lower Upper
 97 100
 99 66.2 51.8 77.6
 61 52.3 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.636 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

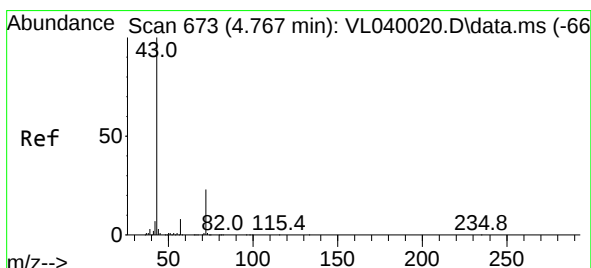
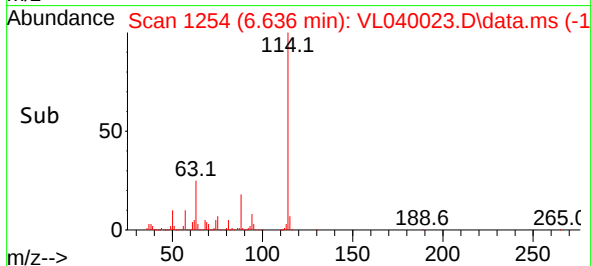
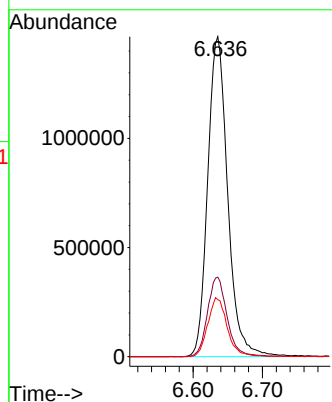
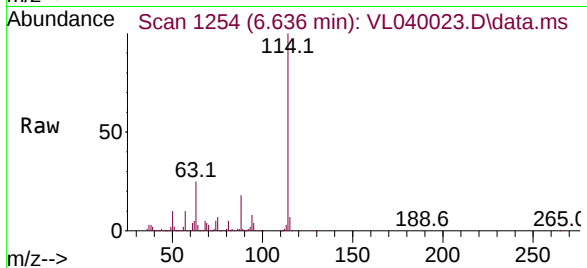
Tgt Ion:114 Resp: 2930157

Ion Ratio Lower Upper

114 100

63 24.7 20.2 30.2

88 18.1 14.6 21.8



#34

2-Butanone

Concen: 0.475 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.016 min

Lab File: VL040023.D

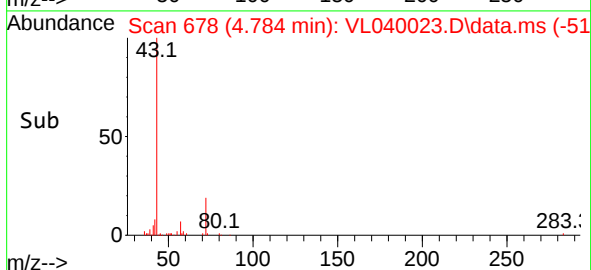
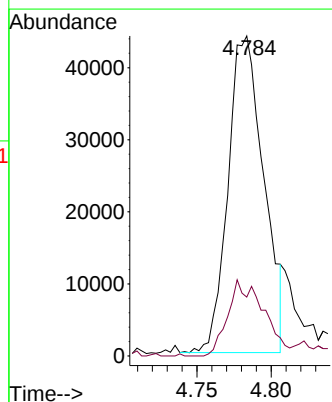
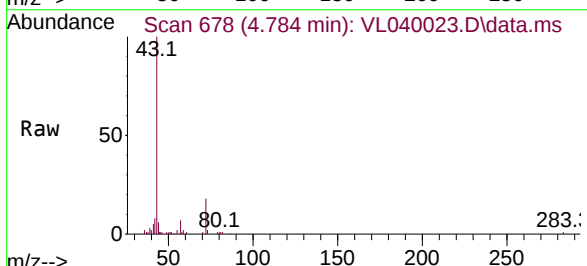
Acq: 19 Dec 2022 11:29

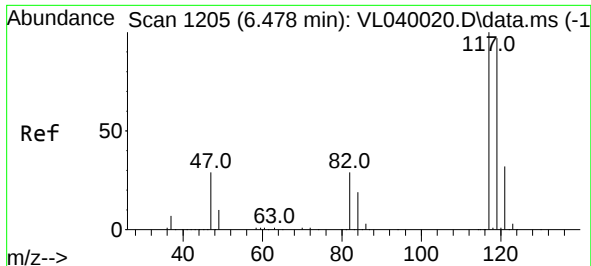
Tgt Ion: 43 Resp: 73483

Ion Ratio Lower Upper

43 100

72 28.1 18.0 27.0#

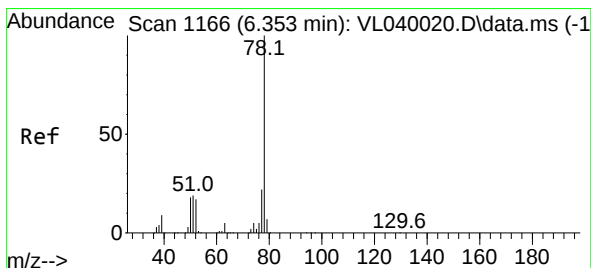
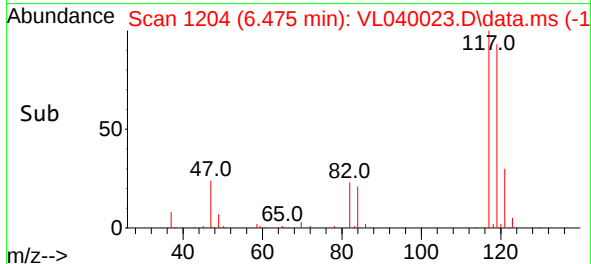
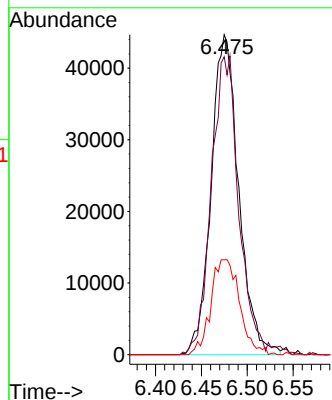
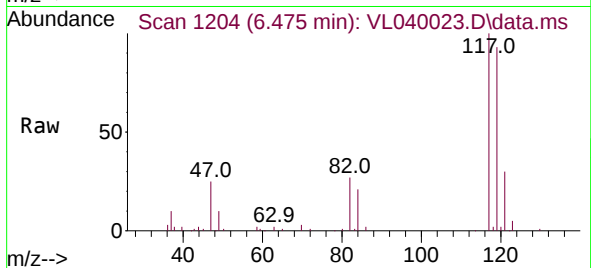




#35
Carbon Tetrachloride
Concen: 0.512 ppbv
RT: 6.475 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

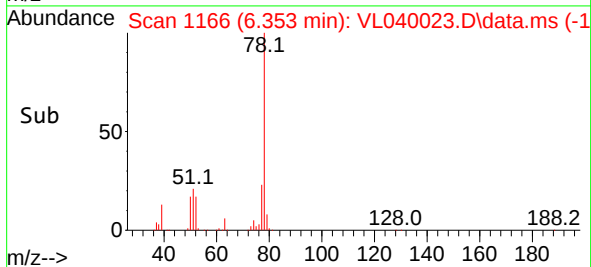
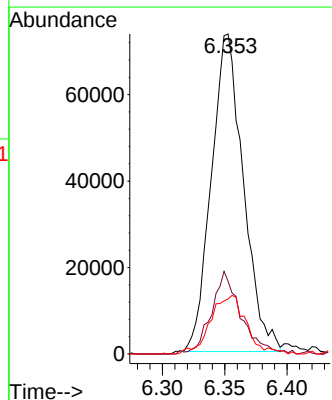
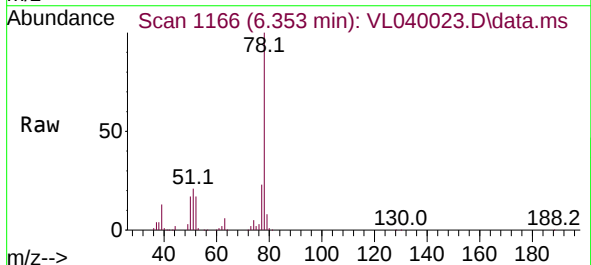
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

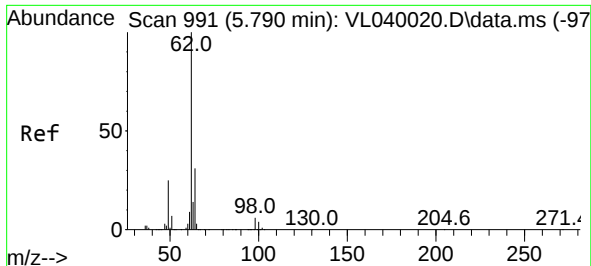
Tgt Ion:117 Resp: 93388
Ion Ratio Lower Upper
117 100
119 93.1 77.3 115.9
121 29.6 25.4 38.0



#36
Benzene
Concen: 0.503 ppbv
RT: 6.353 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 78 Resp: 131632
Ion Ratio Lower Upper
78 100
77 22.1 17.5 26.3
50 17.0 14.2 21.2





#37

1,2-Dichloroethane

Concen: 0.492 ppbv

RT: 5.787 min Scan# 991

Delta R.T. -0.003 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

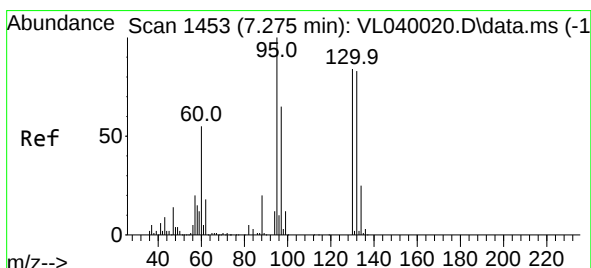
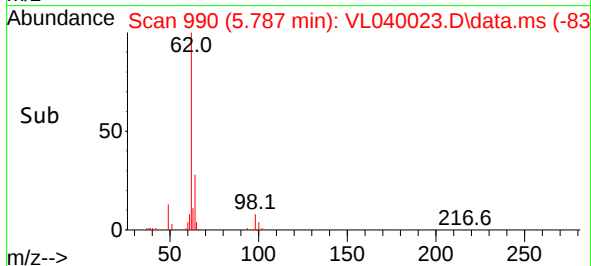
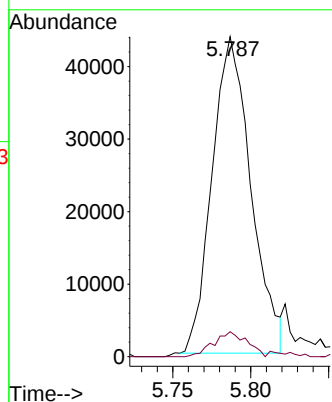
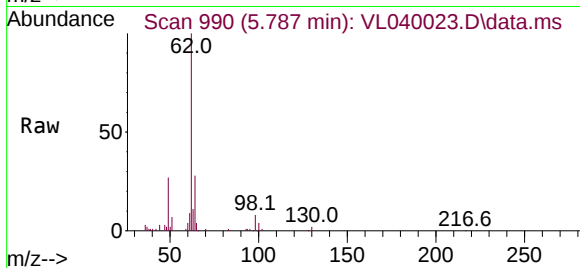
VSTDIC0.5

Tgt Ion: 62 Resp: 75605

Ion Ratio Lower Upper

62 100

98 7.7 5.1 7.7#



#38

Trichloroethene

Concen: 0.529 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Tgt Ion:130 Resp: 71569

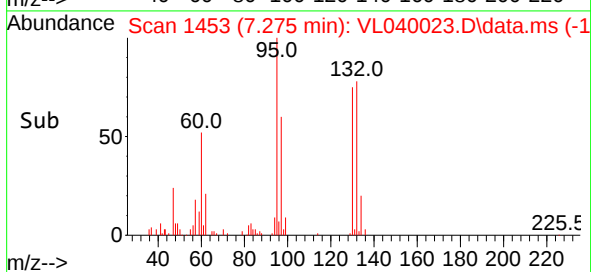
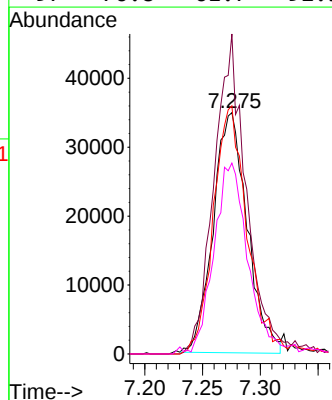
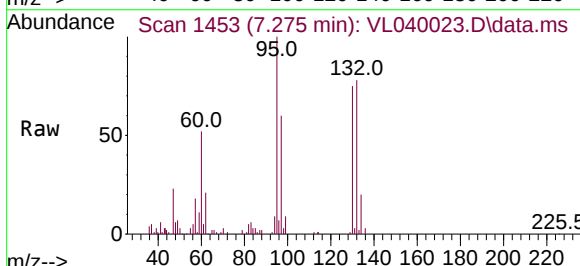
Ion Ratio Lower Upper

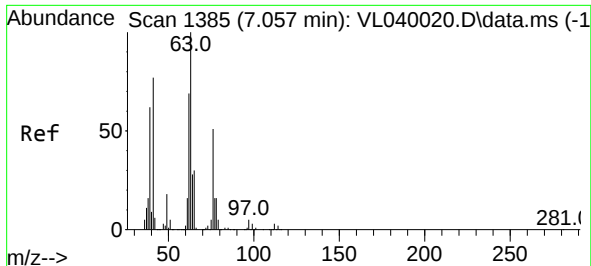
130 100

95 133.6 94.8 142.2

132 103.6 78.2 117.4

97 76.8 61.7 92.5





#39

1,2-Dichloropropane

Concen: 0.511 ppbv

RT: 7.057 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

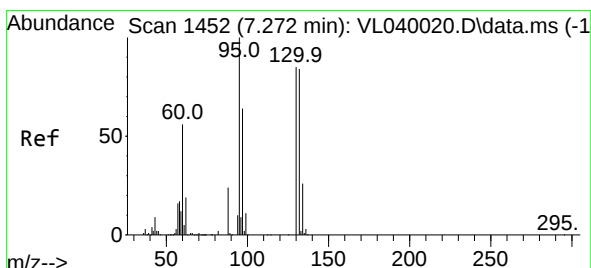
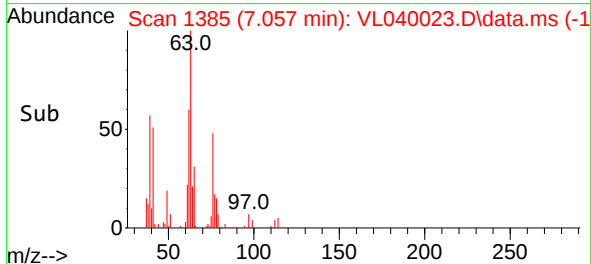
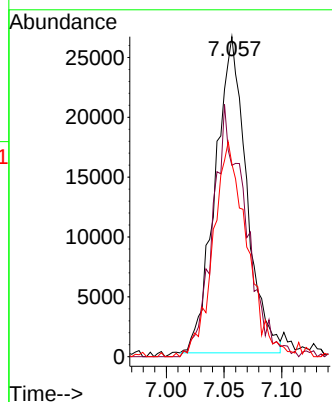
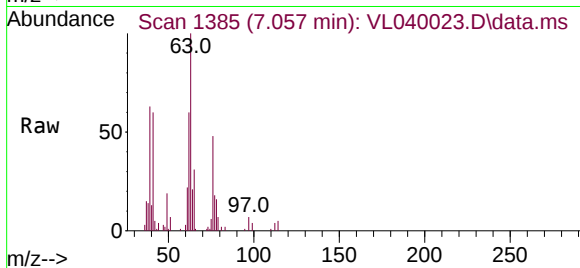
Tgt Ion: 63 Resp: 50087

Ion Ratio Lower Upper

63 100

41 60.5 61.4 92.0#

62 61.0 55.4 83.2



#40

1,4-Dioxane

Concen: 0.066 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.016 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Tgt Ion: 88 Resp: 2953

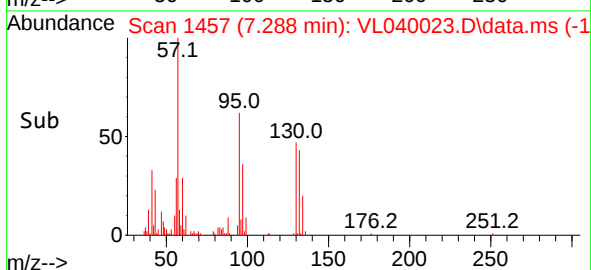
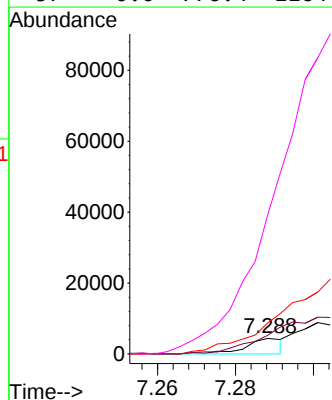
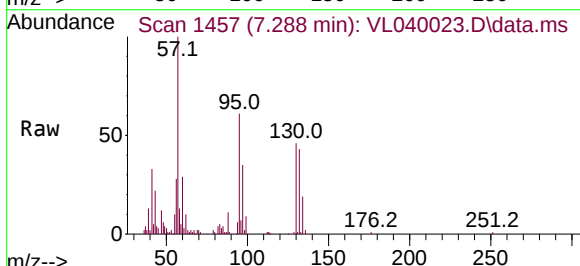
Ion Ratio Lower Upper

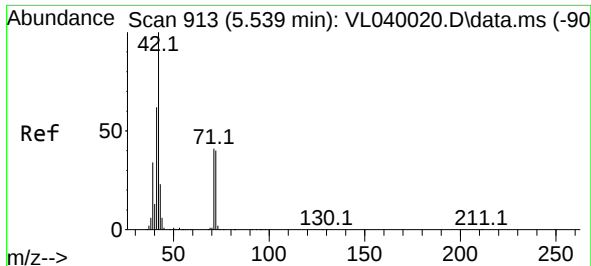
88 100

58 0.0 92.7 139.1#

43 0.0 174.6 261.8#

57 0.0 776.4 1164.6#





#41

Tetrahydrofuran

Concen: 0.448 ppbv

RT: 5.562 min Scan# 913

Delta R.T. 0.023 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

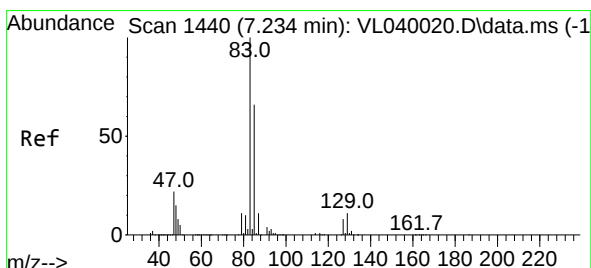
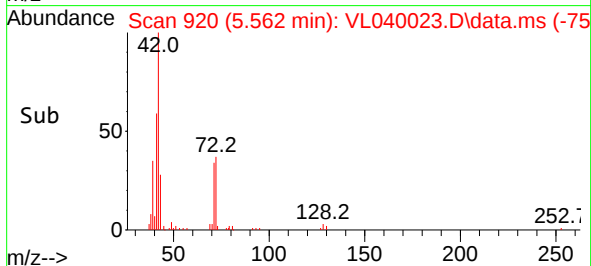
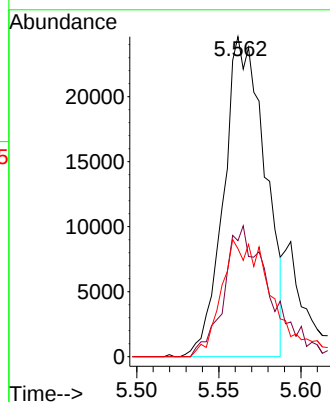
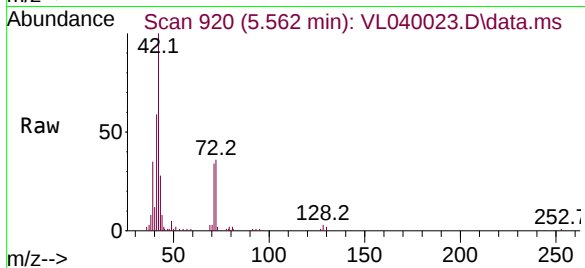
Tgt Ion: 42 Resp: 43028

Ion Ratio Lower Upper

42 100

72 48.3 32.9 49.3

71 45.3 32.2 48.2



#42

Bromodichloromethane

Concen: 0.219 ppbv

RT: 7.234 min Scan# 1440

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

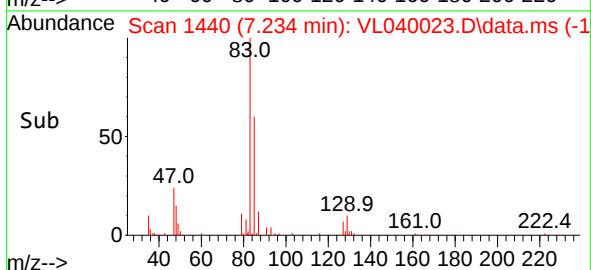
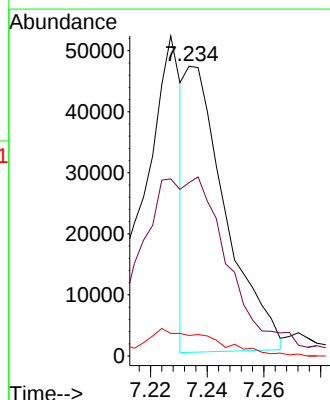
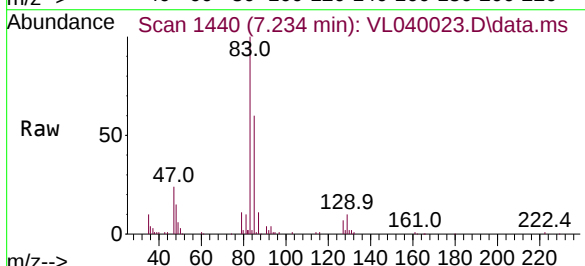
Tgt Ion: 83 Resp: 45993

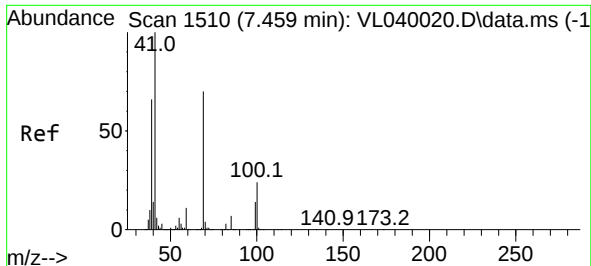
Ion Ratio Lower Upper

83 100

85 55.3 53.0 79.6

127 6.5 6.2 9.2

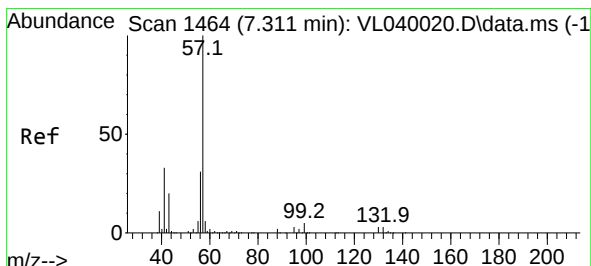
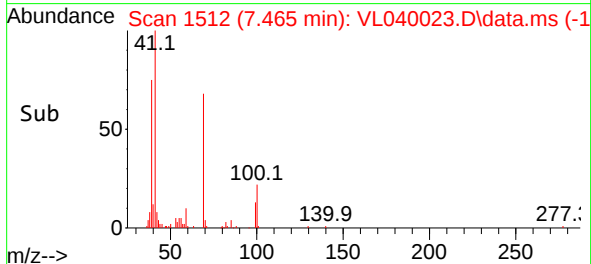
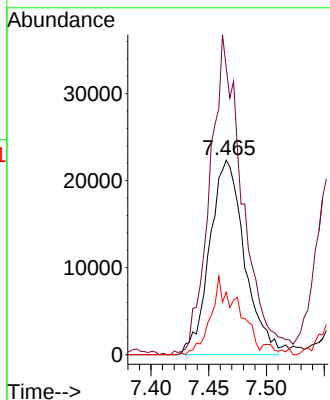
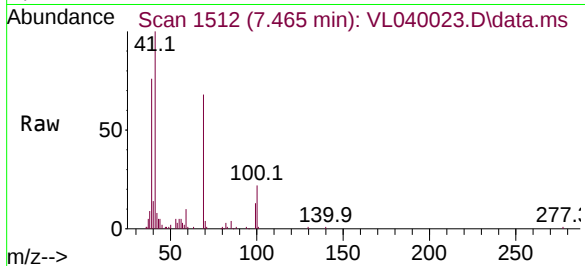




#43
Methyl Methacrylate
Concen: 0.477 ppbv
RT: 7.465 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

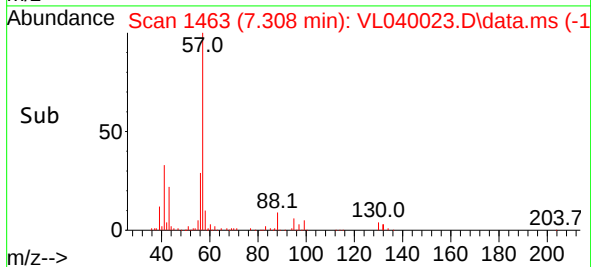
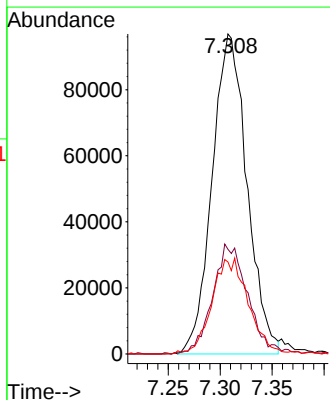
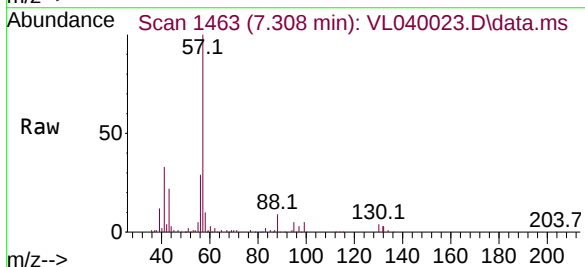
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

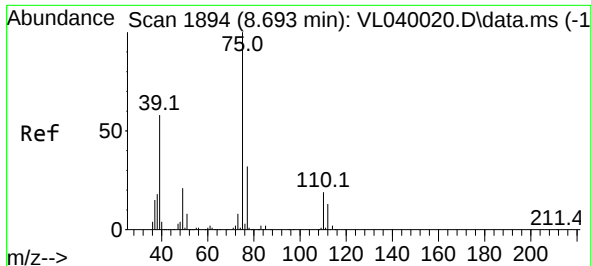
Tgt Ion: 69 Resp: 46806
Ion Ratio Lower Upper
69 100
41 153.9 115.7 173.5
100 34.4 26.0 39.0



#44
2,2,4-Trimethylpentane
Concen: 0.523 ppbv
RT: 7.308 min Scan# 1463
Delta R.T. -0.003 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 57 Resp: 225468
Ion Ratio Lower Upper
57 100
41 34.9 26.2 39.4
56 31.5 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 0.268 ppbv

RT: 8.693 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

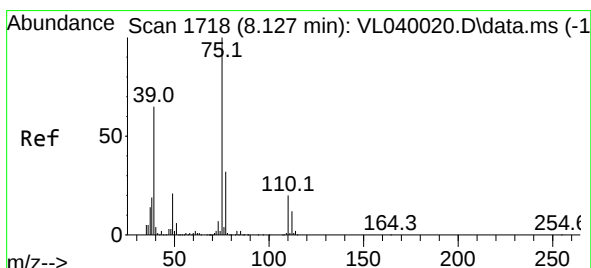
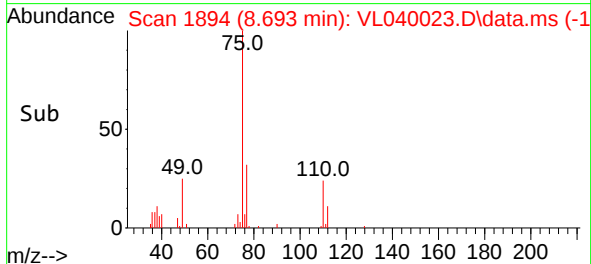
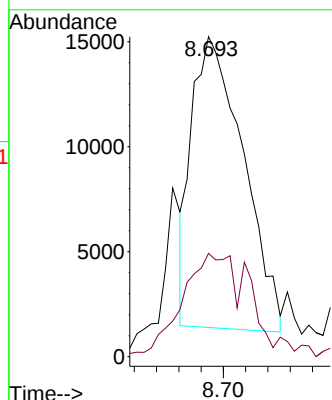
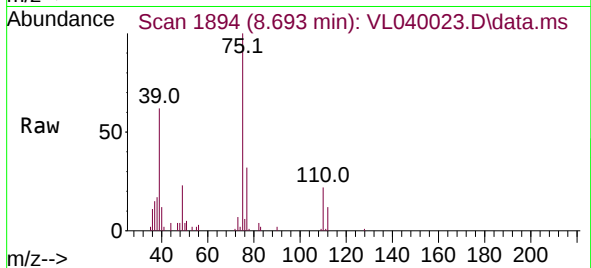
VSTDICC0.5

Tgt Ion: 75 Resp: 22281

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 0.413 ppbv

RT: 8.124 min Scan# 1717

Delta R.T. -0.003 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

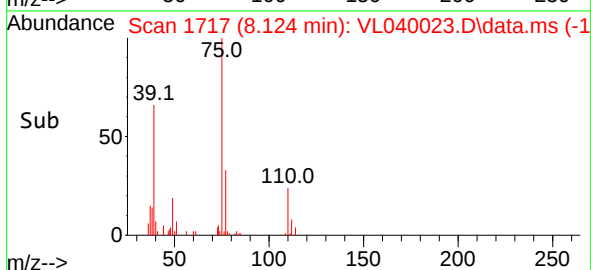
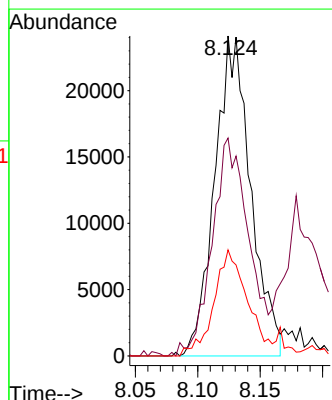
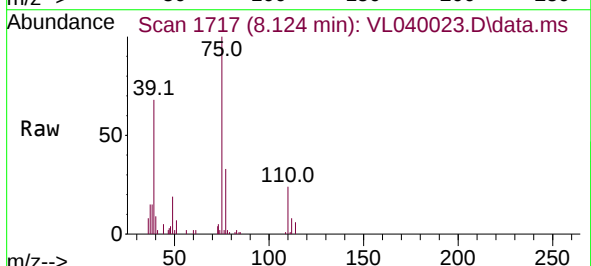
Tgt Ion: 75 Resp: 48397

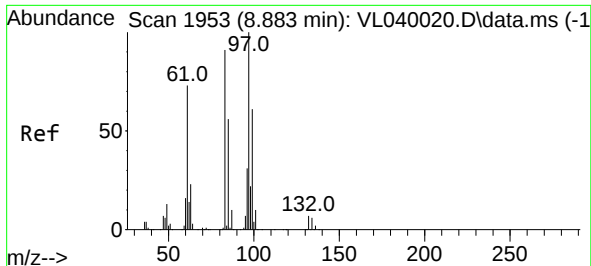
Ion Ratio Lower Upper

75 100

39 64.0 51.7 77.5

77 33.2 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 0.226 ppbv

RT: 8.886 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 24296

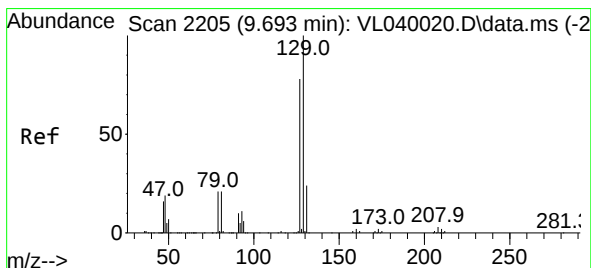
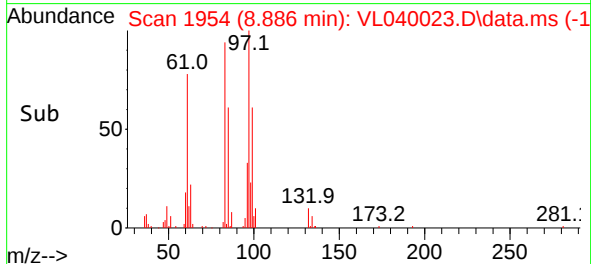
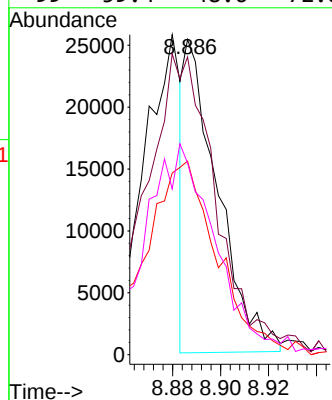
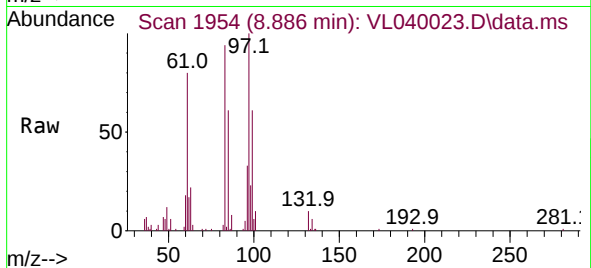
Ion Ratio Lower Upper

97 100

83 92.7 72.5 108.7

85 60.6 45.0 67.6

99 59.4 48.6 72.8



#48

Dibromochloromethane

Concen: 0.433 ppbv

RT: 9.693 min Scan# 2205

Delta R.T. 0.000 min

Lab File: VL040023.D

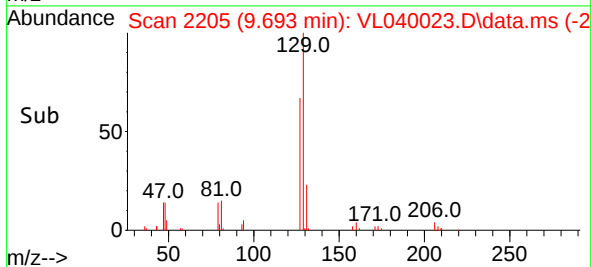
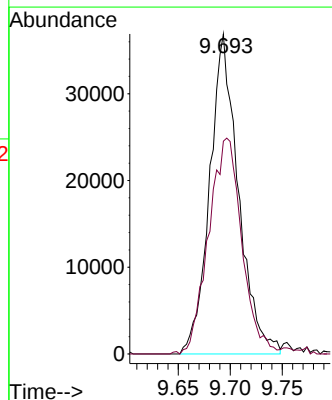
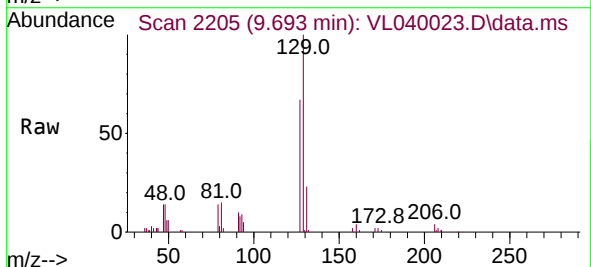
Acq: 19 Dec 2022 11:29

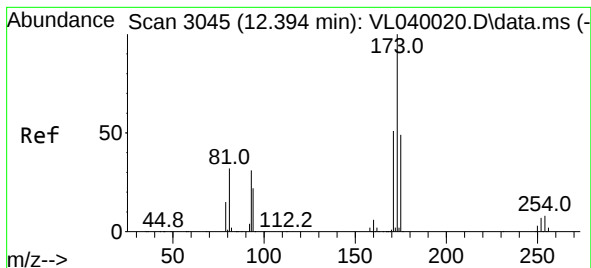
Tgt Ion: 129 Resp: 70827

Ion Ratio Lower Upper

129 100

127 79.5 39.4 118.1





#49

Bromoform

Concen: 0.143 ppbv

RT: 12.404 min Scan# 3045

Delta R.T. 0.010 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

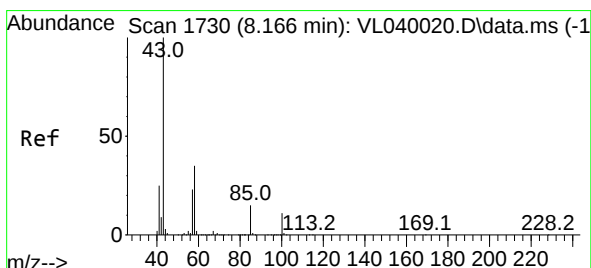
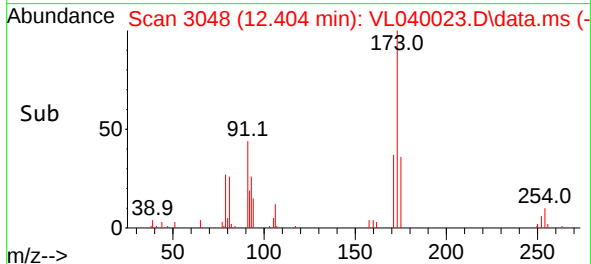
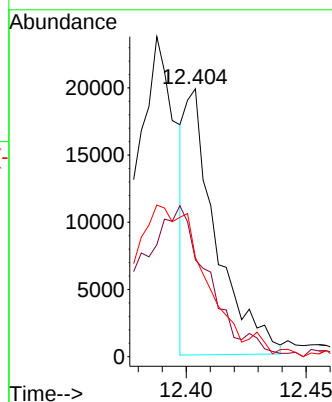
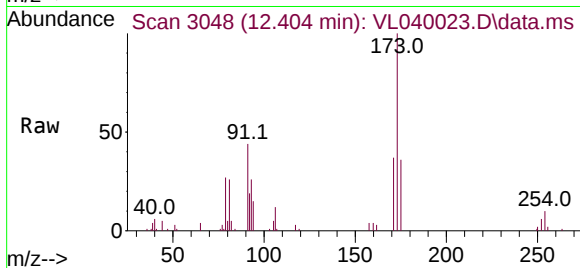
Tgt Ion:173 Resp: 17806

Ion Ratio Lower Upper

173 100

175 135.2 39.0 58.4#

171 0.0 42.0 63.0#



#50

4-Methyl-2-Pentanone

Concen: 0.481 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.016 min

Lab File: VL040023.D

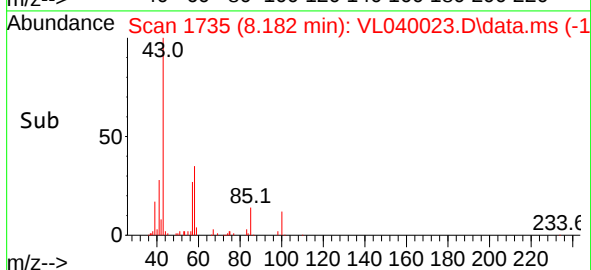
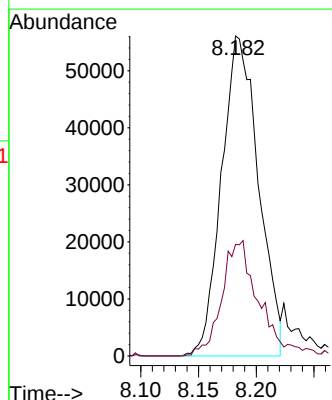
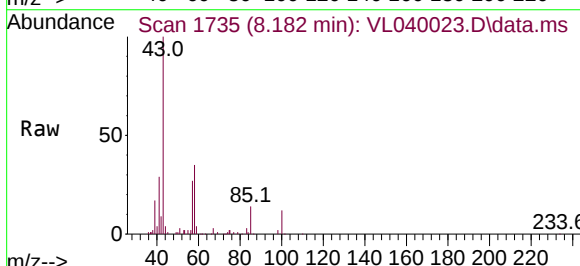
Acq: 19 Dec 2022 11:29

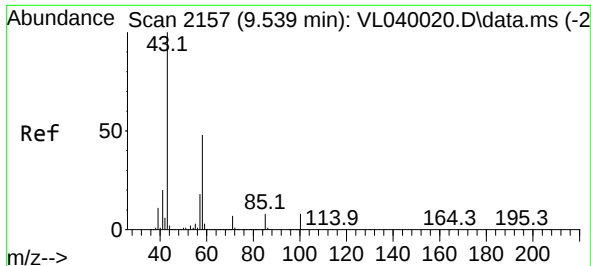
Tgt Ion: 43 Resp: 124920

Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.4

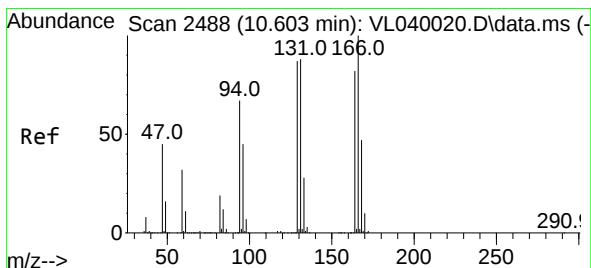
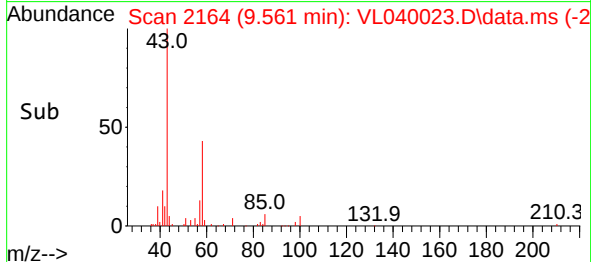
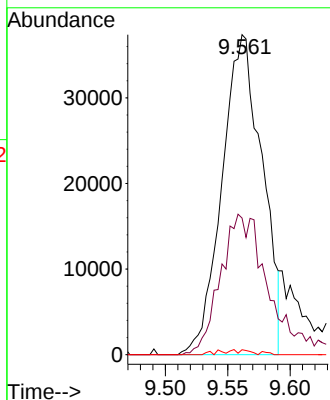
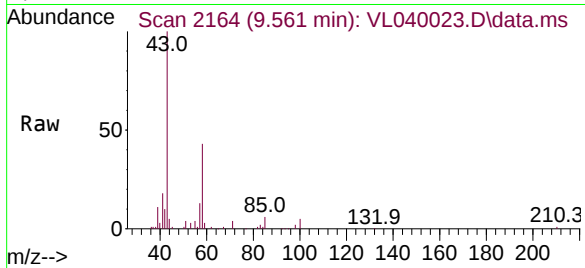




#51
2-Hexanone
Concen: 0.416 ppbv
RT: 9.561 min Scan# 2157
Delta R.T. 0.023 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

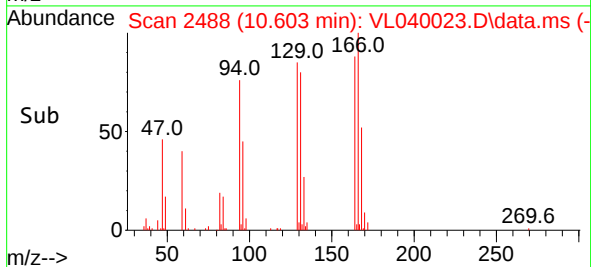
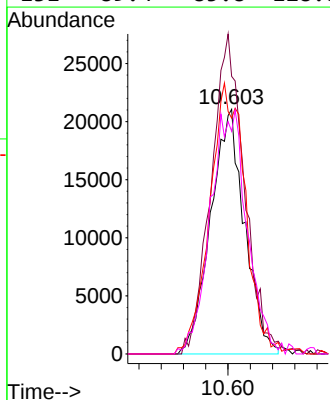
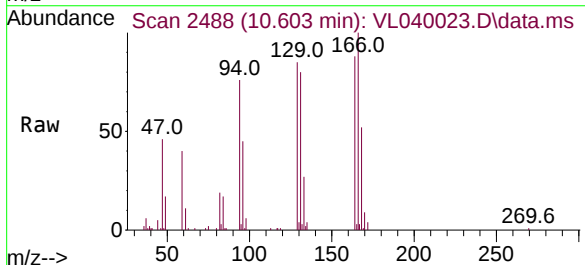
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

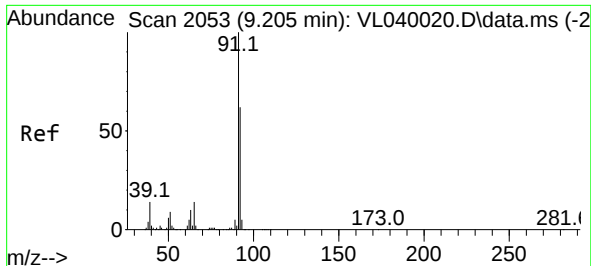
Tgt Ion: 43 Resp: 83671
Ion Ratio Lower Upper
43 100
58 54.3 39.4 59.2
98 1.3 0.2 0.4



#52
Tetrachloroethene
Concen: 0.497 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 164 Resp: 44530
Ion Ratio Lower Upper
164 100
166 113.4 97.4 146.0
129 93.9 84.3 126.5
131 89.4 85.8 128.8

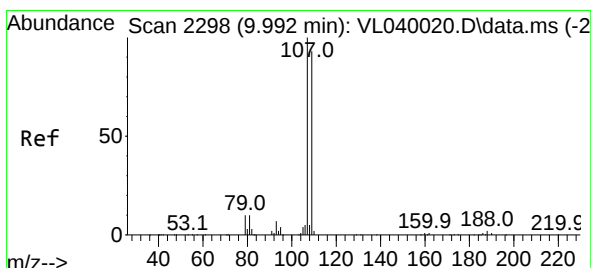
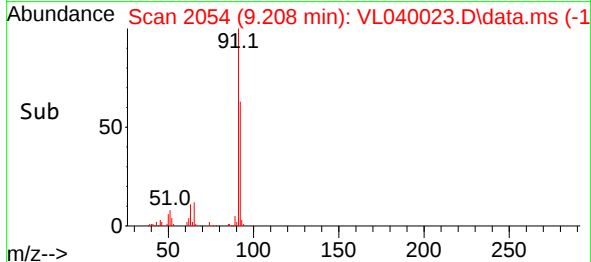
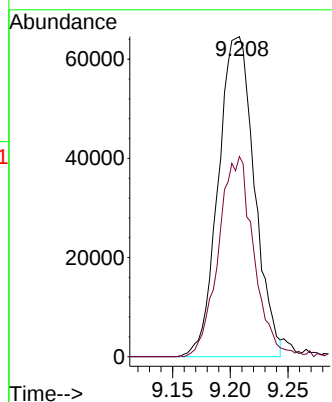
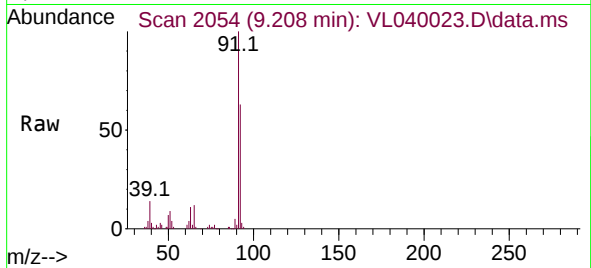




#53
Toluene
Concen: 0.484 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.003 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

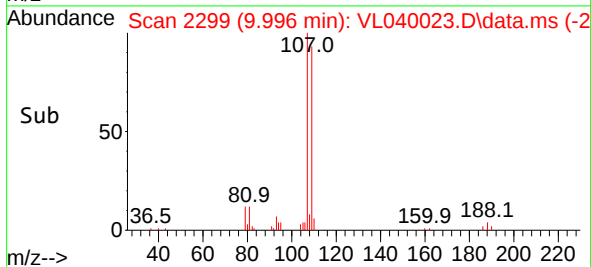
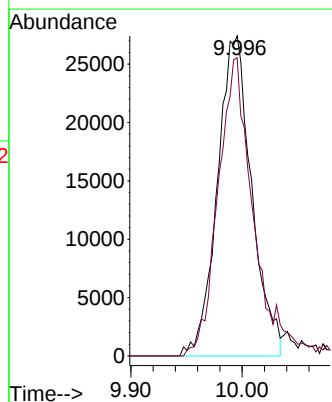
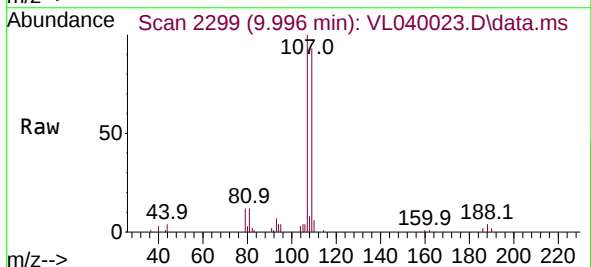
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

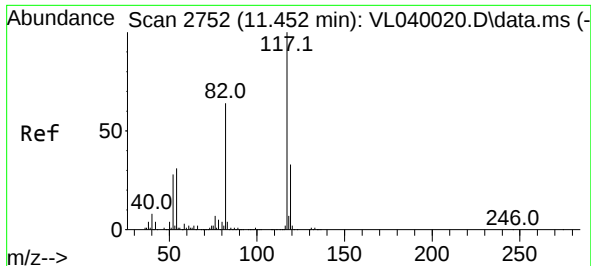
Tgt Ion: 91 Resp: 140374
Ion Ratio Lower Upper
91 100
92 61.6 48.7 73.1



#54
1,2-Dibromoethane
Concen: 0.510 ppbv
RT: 9.996 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 107 Resp: 58612
Ion Ratio Lower Upper
107 100
109 93.1 74.1 111.1

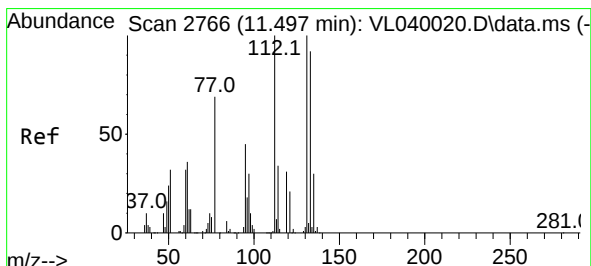
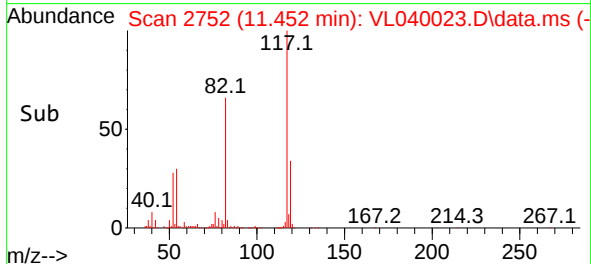
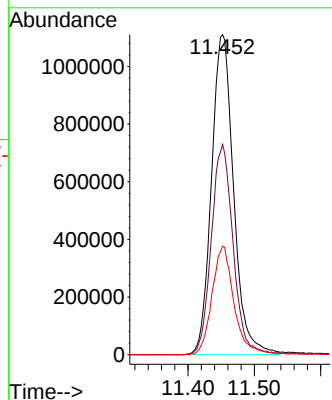
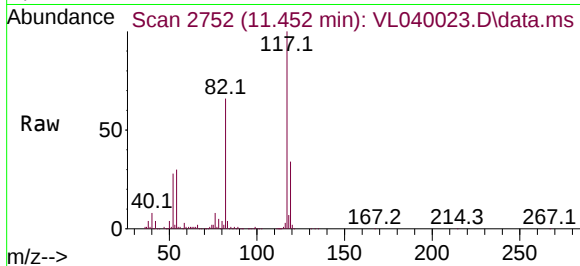




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

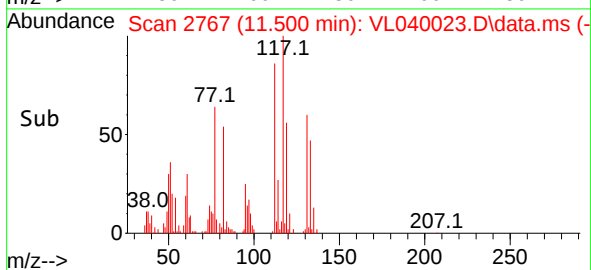
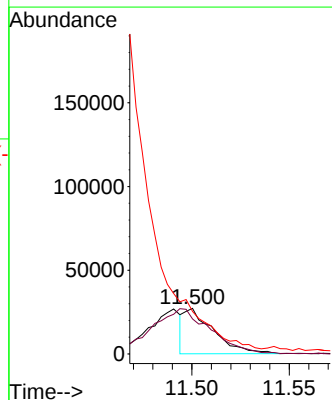
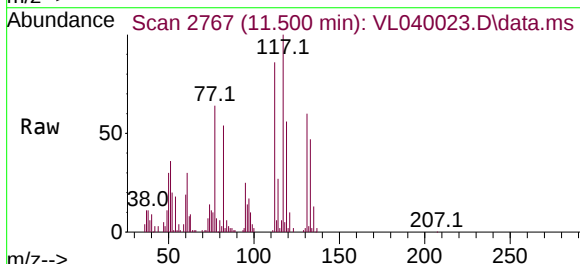
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

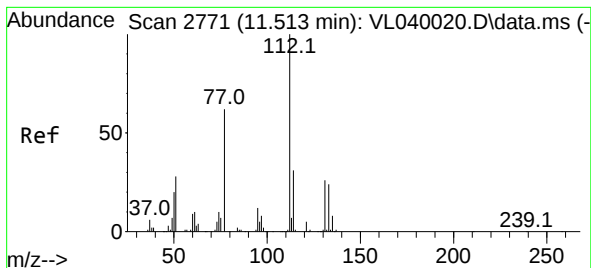
Tgt Ion:117 Resp: 2576617
Ion Ratio Lower Upper
117 100
82 65.3 51.2 76.8
119 34.0 23.2 34.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.238 ppbv
RT: 11.500 min Scan# 2767
Delta R.T. 0.003 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion:131 Resp: 28288
Ion Ratio Lower Upper
131 100
133 0.0 75.8 113.8#
119 0.0 52.3 78.5#

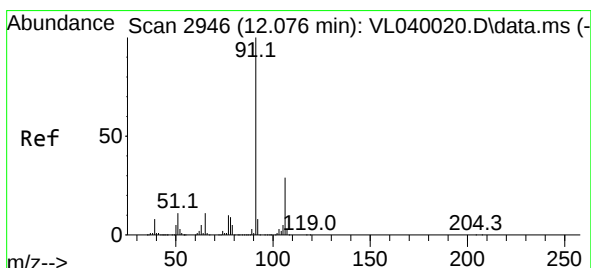
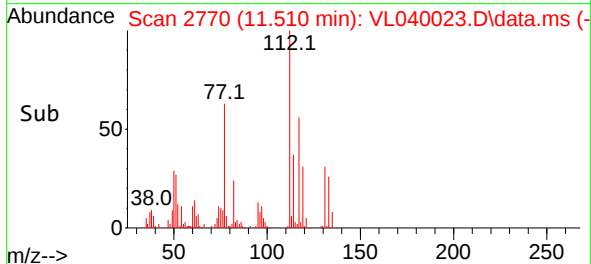
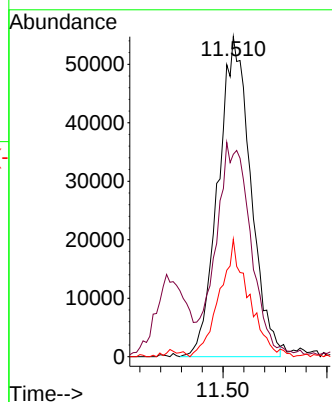
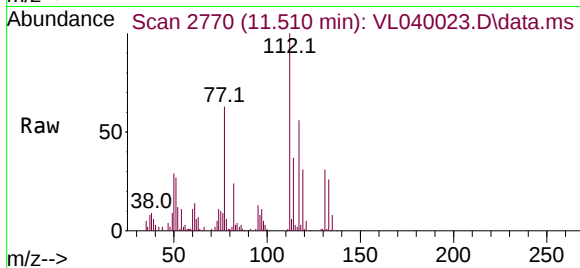




#57
Chlorobenzene
Concen: 0.543 ppbv
RT: 11.510 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

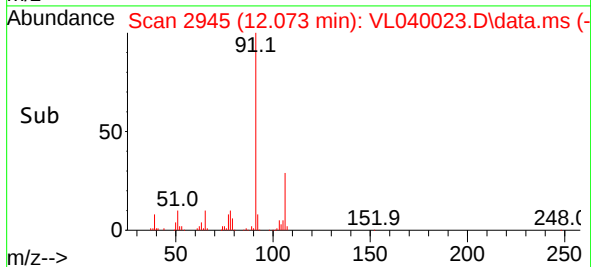
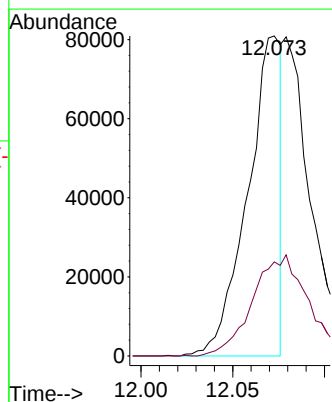
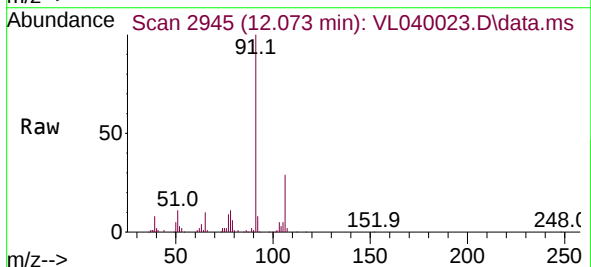
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

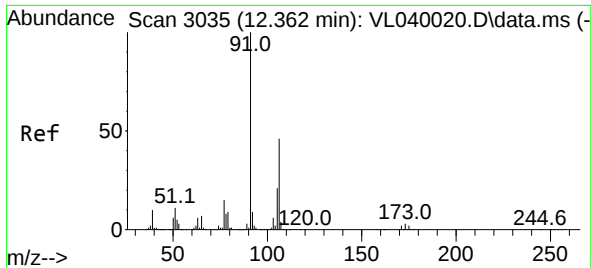
Tgt Ion:112 Resp: 118779
Ion Ratio Lower Upper
112 100
77 60.5 50.6 75.8
114 35.7 27.8 34.0#



#58
Ethyl Benzene
Concen: 0.281 ppbv
RT: 12.073 min Scan# 2945
Delta R.T. -0.003 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 91 Resp: 102893
Ion Ratio Lower Upper
91 100
106 29.4 23.5 35.3





#59

m/p-Xylene

Concen: 0.366 ppbv

RT: 12.359 min Scan# 3035

Delta R.T. -0.003 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

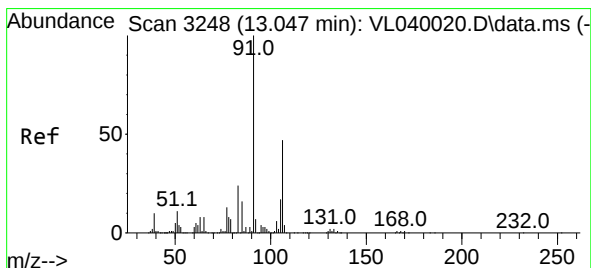
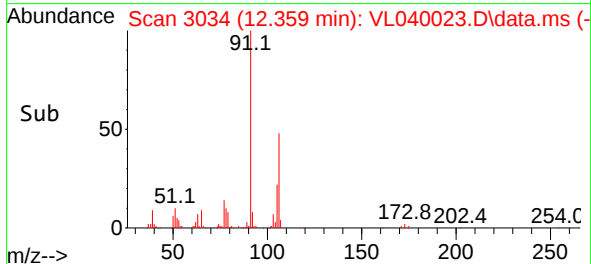
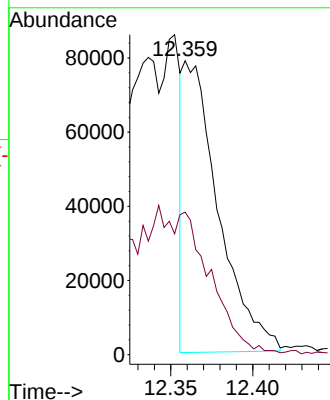
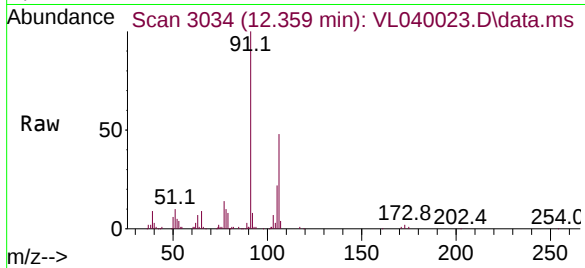
VSTDIC0.5

Tgt Ion: 91 Resp: 116567

Ion Ratio Lower Upper

91 100

106 0.0 35.5 53.3#



#60

o-Xylene

Concen: 0.257 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. -0.006 min

Lab File: VL040023.D

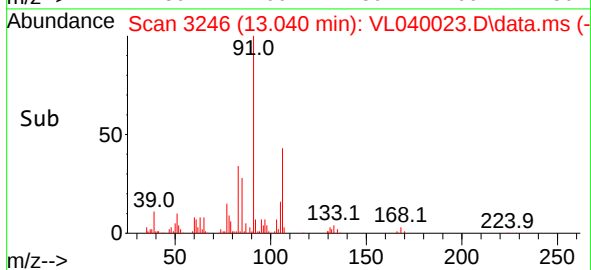
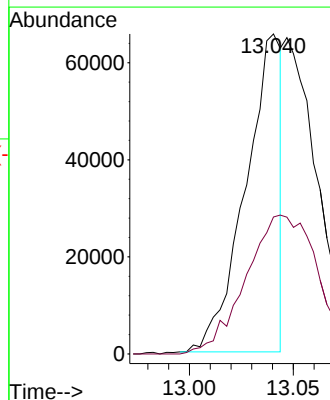
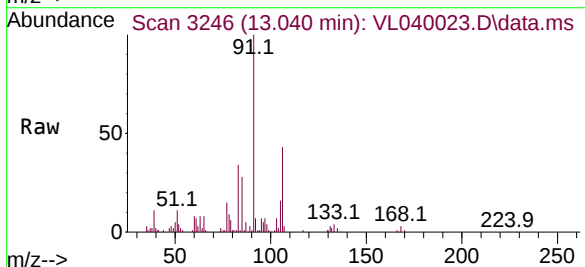
Acq: 19 Dec 2022 11:29

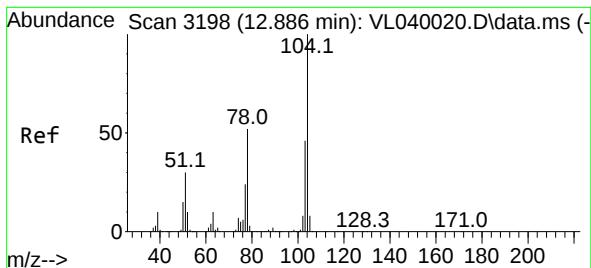
Tgt Ion: 91 Resp: 78500

Ion Ratio Lower Upper

91 100

106 90.1 22.4 67.0#





#61

Styrene

Concen: 0.439 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

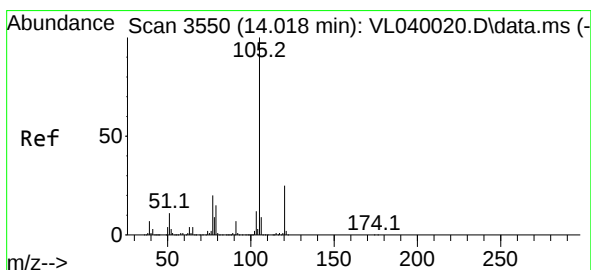
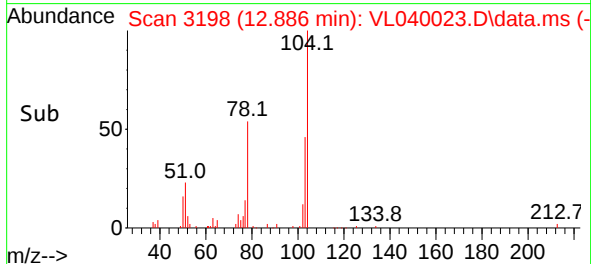
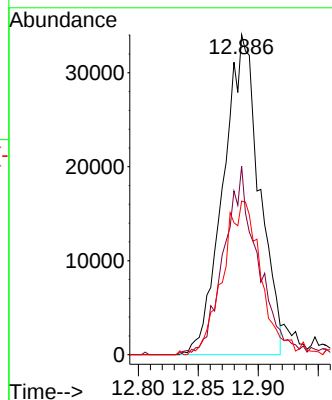
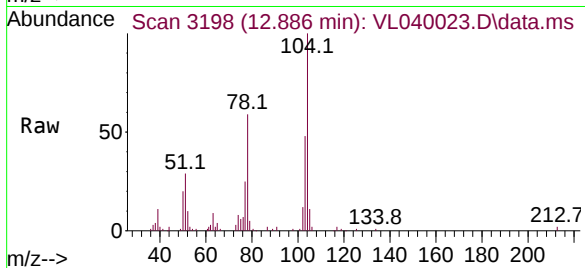
Tgt Ion:104 Resp: 71445

Ion Ratio Lower Upper

104 100

78 56.4 42.4 63.6

103 52.1 37.2 55.8



#62

Isopropylbenzene

Concen: 0.539 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. 0.000 min

Lab File: VL040023.D

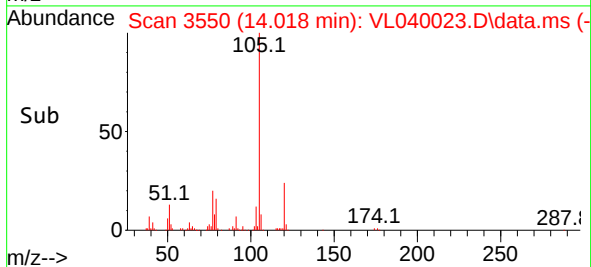
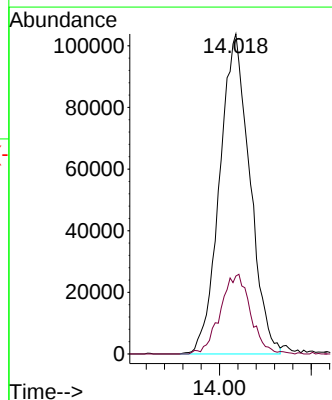
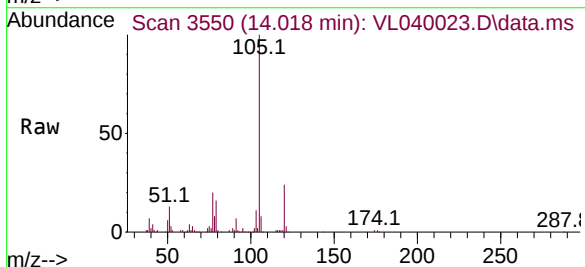
Acq: 19 Dec 2022 11:29

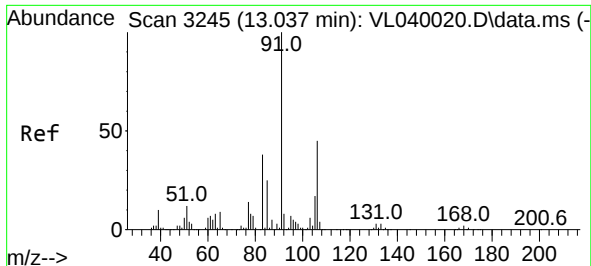
Tgt Ion:105 Resp: 237452

Ion Ratio Lower Upper

105 100

120 25.0 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.018 ppbv

RT: 13.037 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

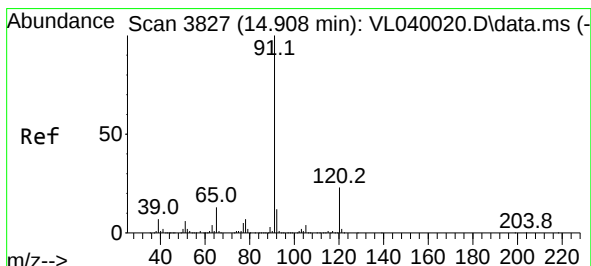
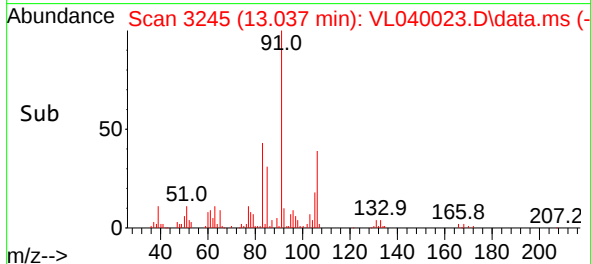
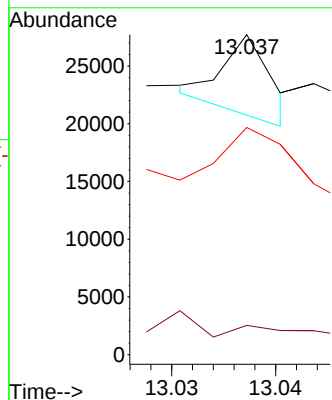
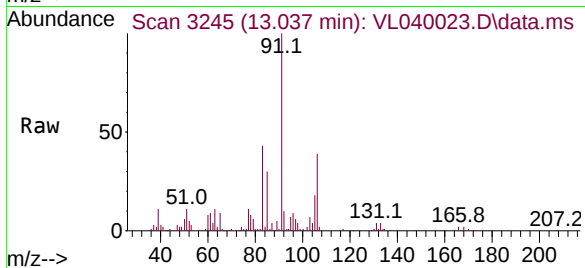
Tgt Ion: 83 Resp: 2022

Ion Ratio Lower Upper

83 100

131 308.0 4.5 13.5#

85 2240.9 33.3 99.9#



#64

n-propylbenzene

Concen: 0.266 ppbv

RT: 14.905 min Scan# 3826

Delta R.T. -0.003 min

Lab File: VL040023.D

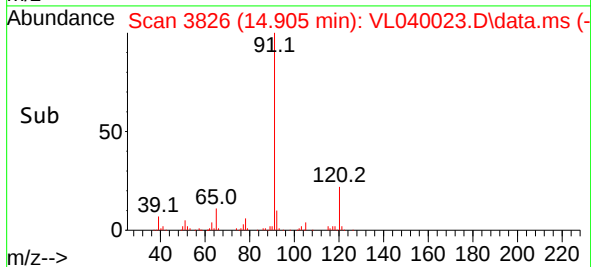
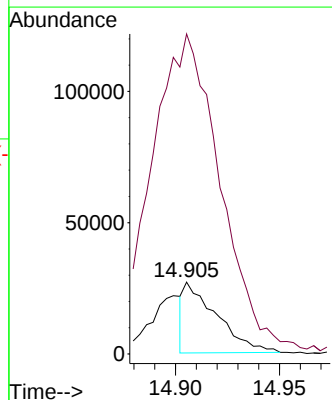
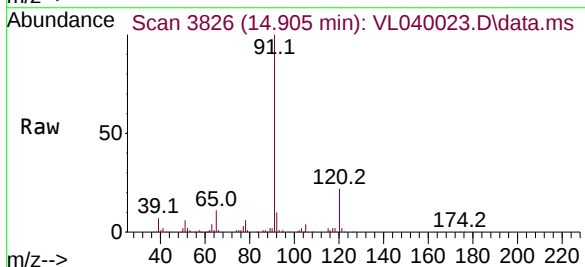
Acq: 19 Dec 2022 11:29

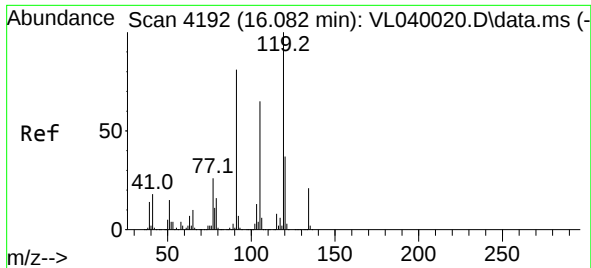
Tgt Ion: 120 Resp: 29459

Ion Ratio Lower Upper

120 100

91 992.2 384.3 576.5#

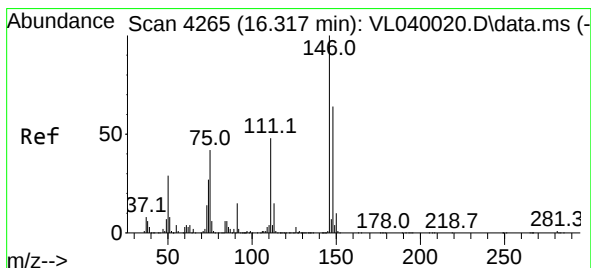
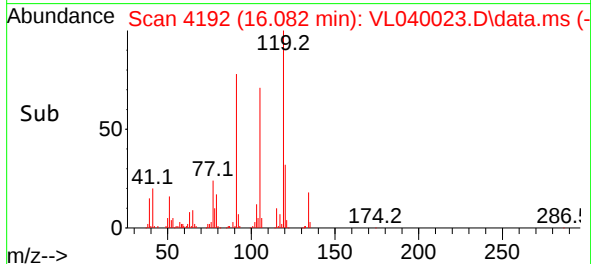
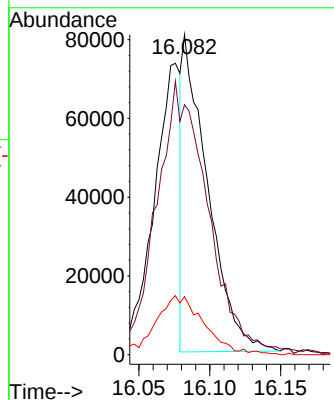
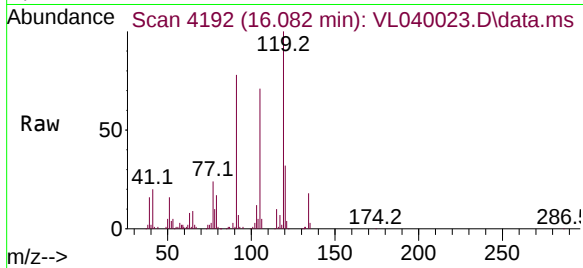




#65
tert-Butylbenzene
Concen: 0.259 ppbv
RT: 16.082 min Scan# 4192
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

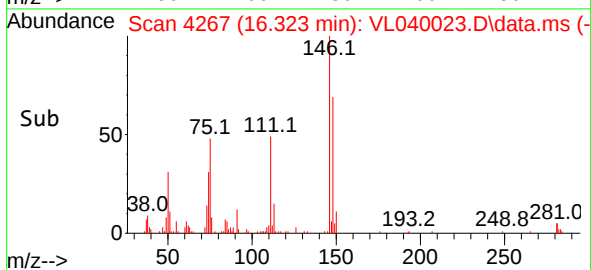
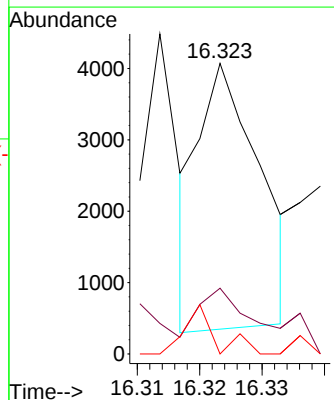
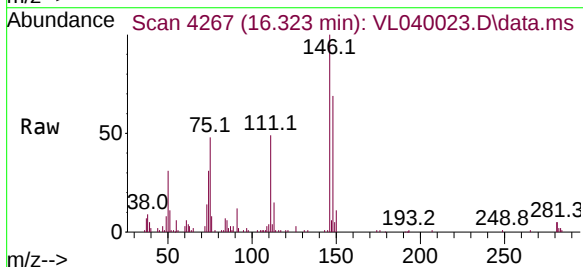
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

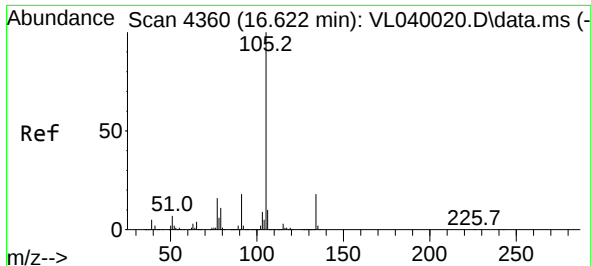
Tgt Ion:119 Resp: 99111
Ion Ratio Lower Upper
119 100
91 0.0 66.9 100.3#
134 0.0 15.8 23.6#



#66
Benzyl Chloride
Concen: 0.128 ppbv
RT: 16.323 min Scan# 4267
Delta R.T. 0.006 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 91 Resp: 2534
Ion Ratio Lower Upper
91 100
126 0.0 12.2 18.2#
128 12.8 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.525 ppbv

RT: 16.625 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

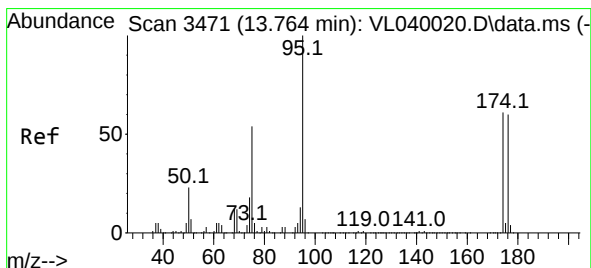
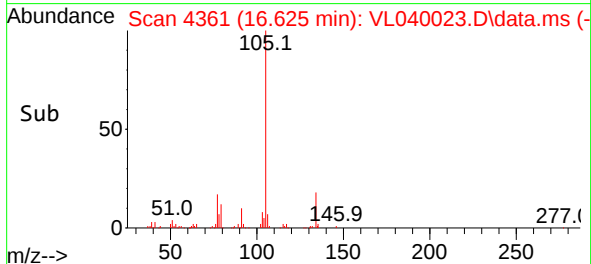
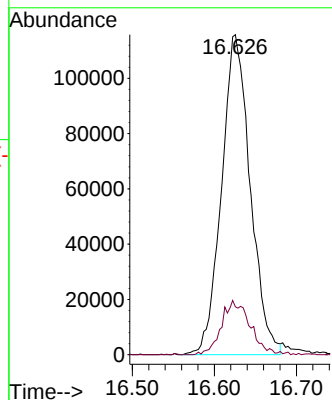
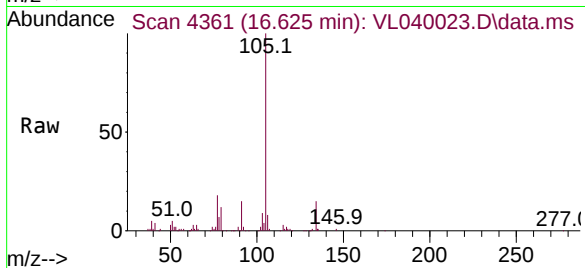
VSTDIC0.5

Tgt Ion:105 Resp: 281762

Ion Ratio Lower Upper

105 100

134 16.9 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 10.225 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. 0.000 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

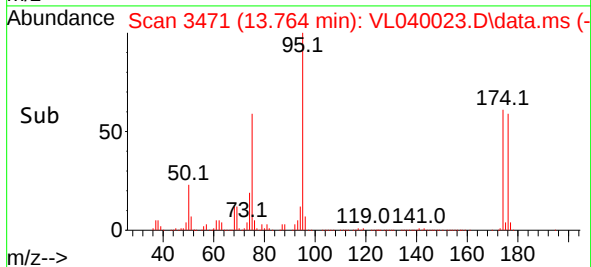
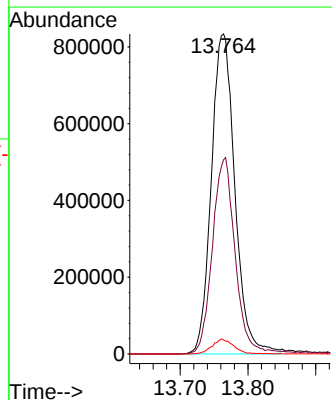
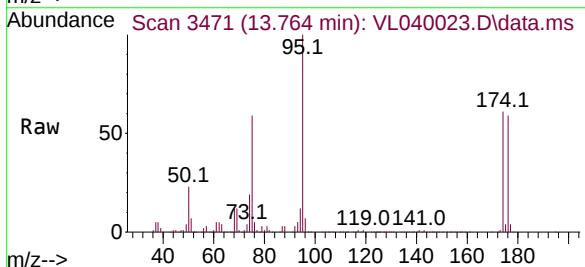
Tgt Ion: 95 Resp: 2012448

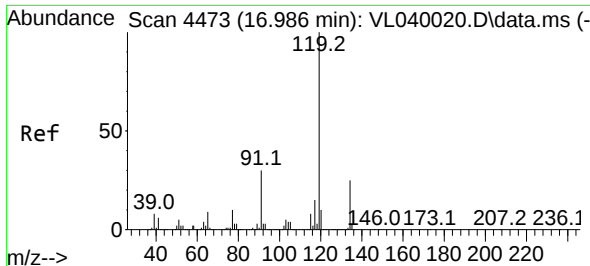
Ion Ratio Lower Upper

95 100

174 59.9 48.6 73.0

175 4.3 3.4 5.2

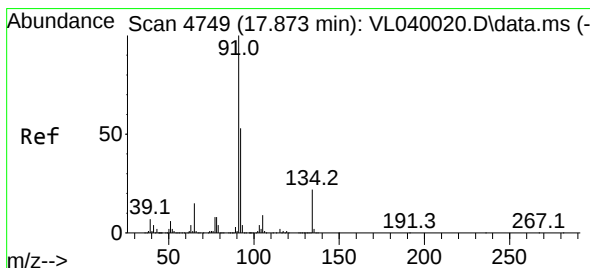
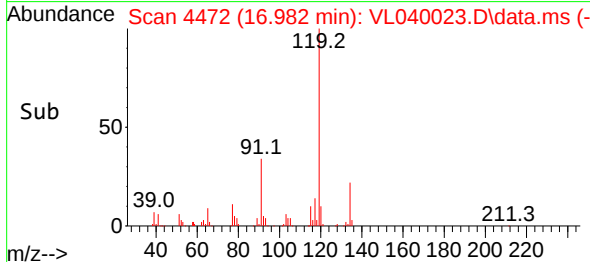
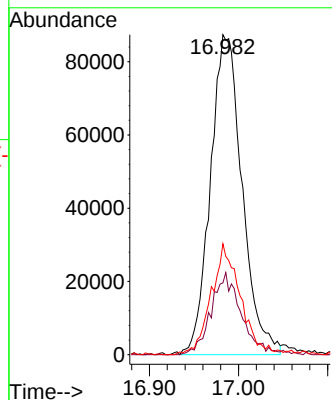
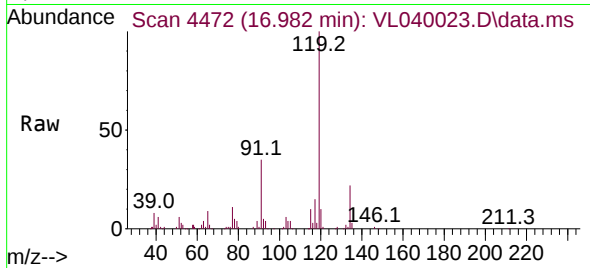




#69
 p-Isopropyltoluene
 Concen: 0.504 ppbv
 RT: 16.982 min Scan# 4473
 Delta R.T. -0.003 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

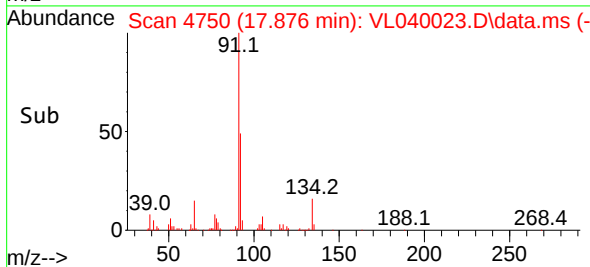
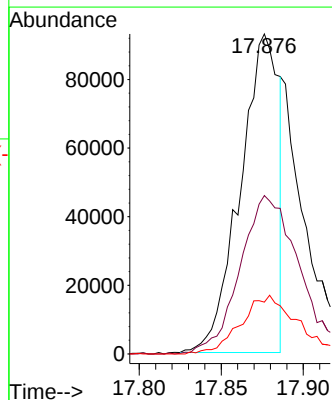
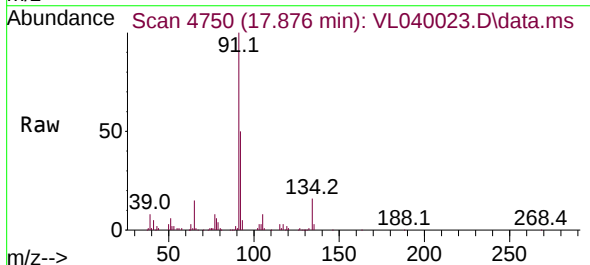
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

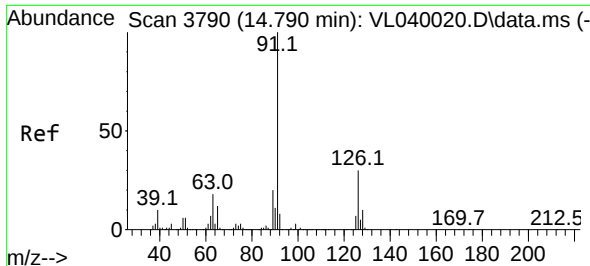
Tgt Ion:119 Resp: 216183
 Ion Ratio Lower Upper
 119 100
 134 24.5 20.2 30.4
 91 32.6 24.2 36.4



#70
 n-Butylbenzene
 Concen: 0.339 ppbv
 RT: 17.876 min Scan# 4750
 Delta R.T. 0.003 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

Tgt Ion: 91 Resp: 151690
 Ion Ratio Lower Upper
 91 100
 92 79.2 43.2 64.8#
 134 28.0 17.4 26.2#

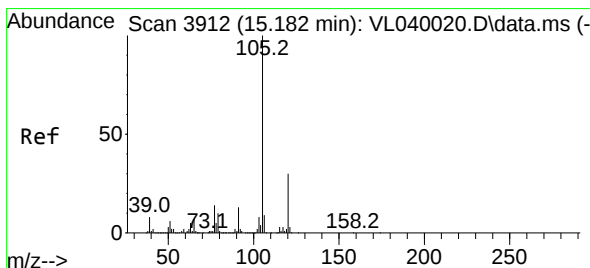
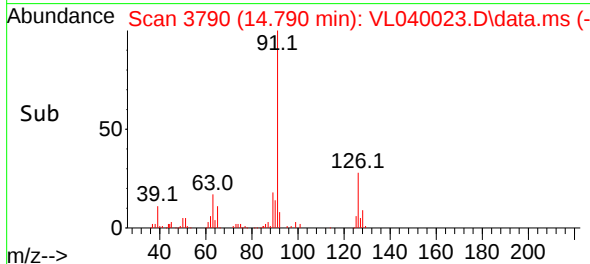
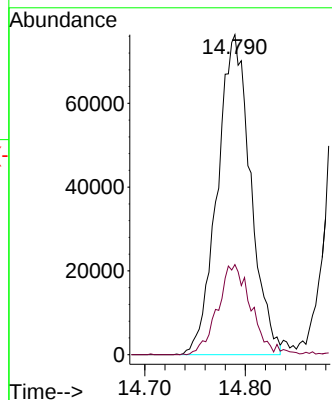
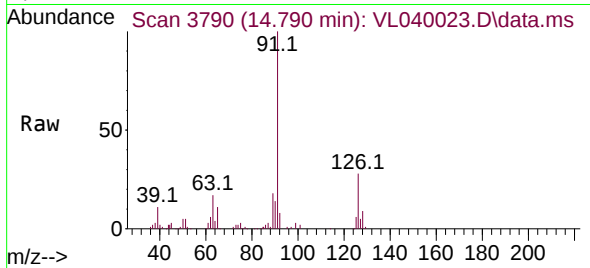




#71
2-Chlorotoluene
Concen: 0.521 ppbv
RT: 14.790 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

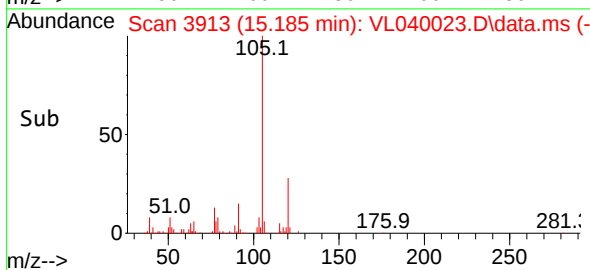
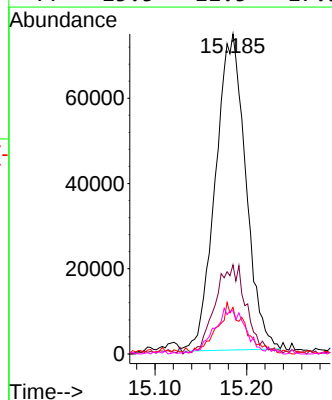
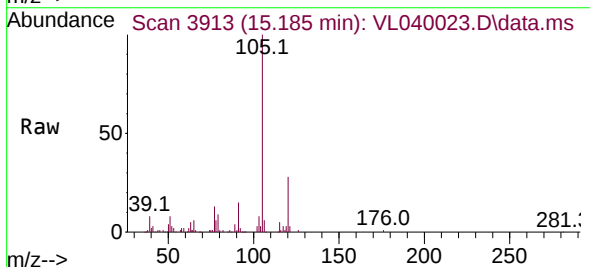
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

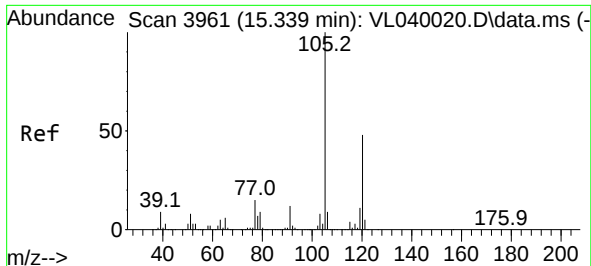
Tgt Ion: 91 Resp: 175146
Ion Ratio Lower Upper
91 100
126 28.8 12.1 48.5



#72
4-Ethyltoluene
Concen: 0.501 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.003 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion: 105 Resp: 169967
Ion Ratio Lower Upper
105 100
120 29.6 23.5 35.3
91 16.2 10.5 15.7#
77 15.5 11.5 17.3

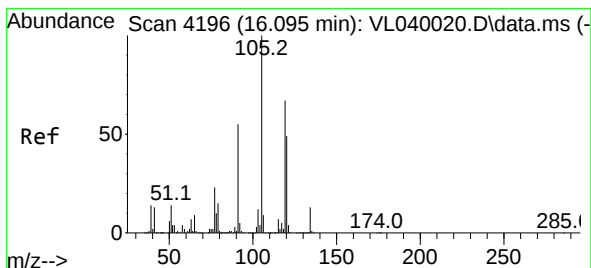
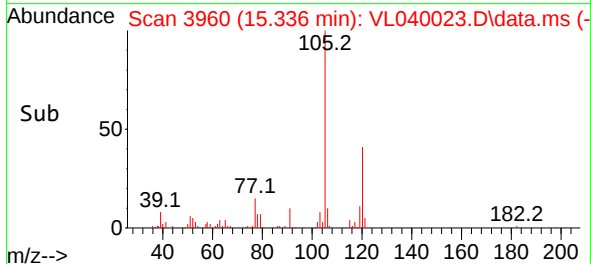
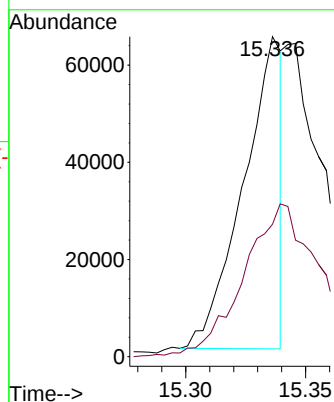
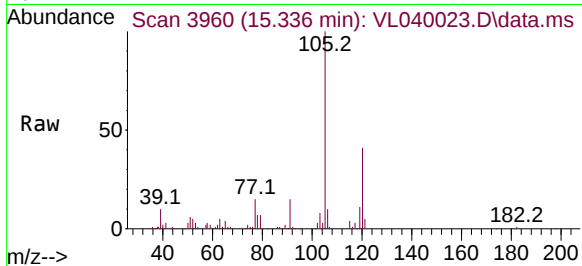




#73
 1,3,5-Trimethylbenzene
 Concen: 0.234 ppbv
 RT: 15.336 min Scan# 3960
 Delta R.T. -0.003 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

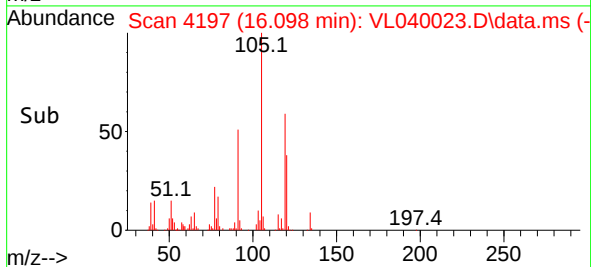
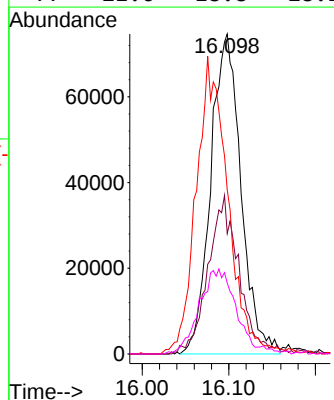
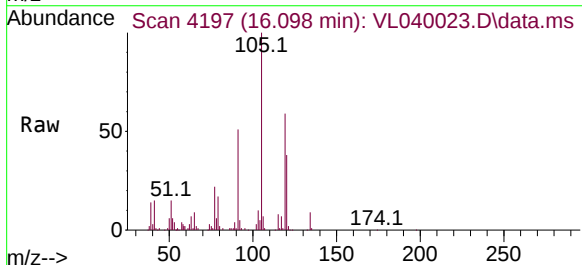
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

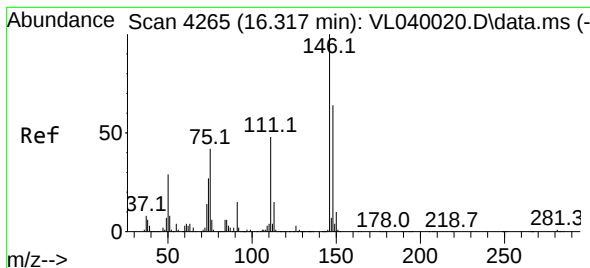
Tgt Ion:105 Resp: 71838
 Ion Ratio Lower Upper
 105 100
 120 41.4 38.4 57.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.538 ppbv
 RT: 16.098 min Scan# 4197
 Delta R.T. 0.003 min
 Lab File: VL040023.D
 Acq: 19 Dec 2022 11:29

Tgt Ion:105 Resp: 181408
 Ion Ratio Lower Upper
 105 100
 120 36.7 39.3 58.9#
 91 49.6 44.2 66.4
 77 21.6 18.8 28.2





#75

1,3-Dichlorobenzene

Concen: 0.324 ppbv

RT: 16.320 min Scan# 4312

Delta R.T. 0.003 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

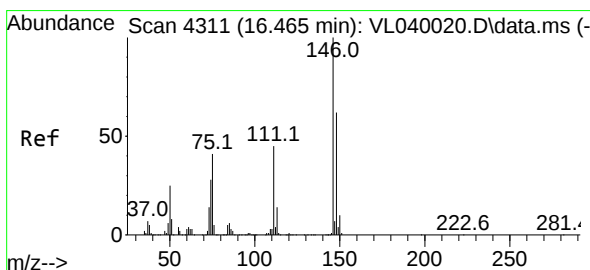
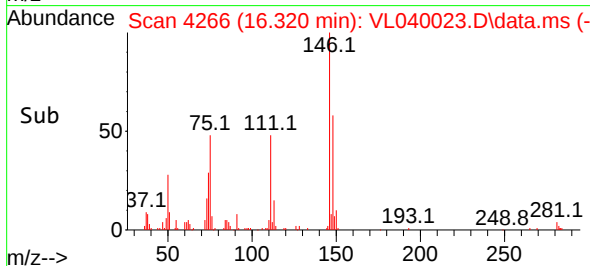
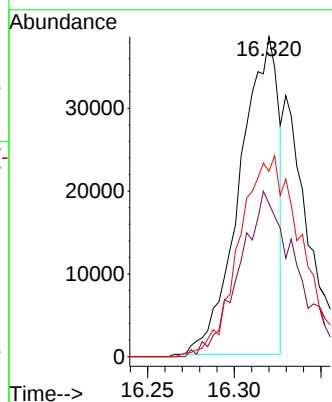
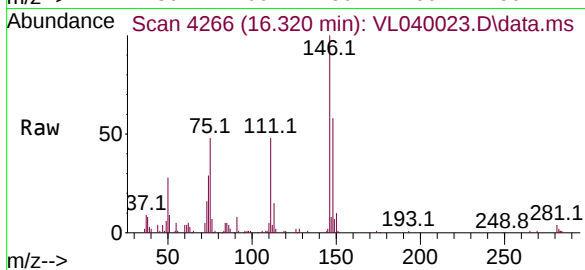
Tgt Ion:146 Resp: 59636

Ion Ratio Lower Upper

146 100

111 79.5 23.9 71.8#

148 106.7 32.0 96.2#



#76

1,4-Dichlorobenzene

Concen: 0.205 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. 0.003 min

Lab File: VL040023.D

Acq: 19 Dec 2022 11:29

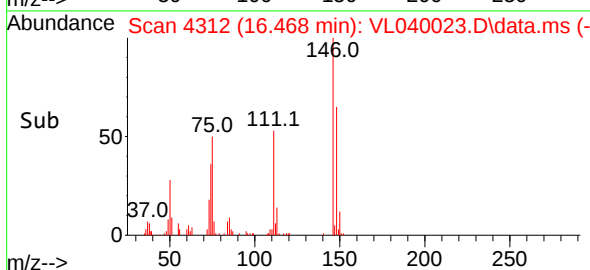
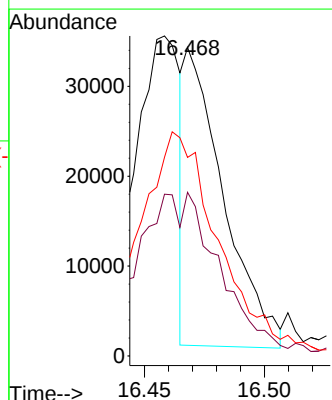
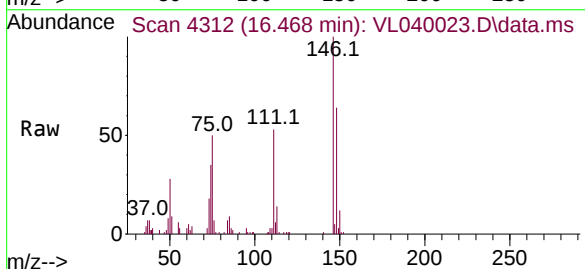
Tgt Ion:146 Resp: 37346

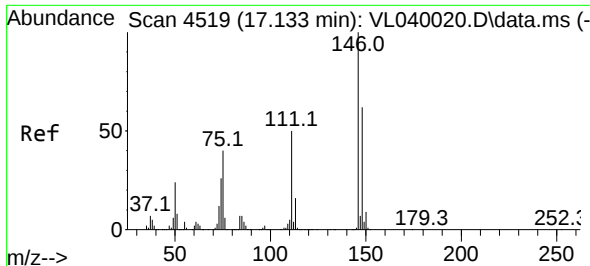
Ion Ratio Lower Upper

146 100

111 128.3 23.4 70.2#

148 0.0 32.0 96.2#

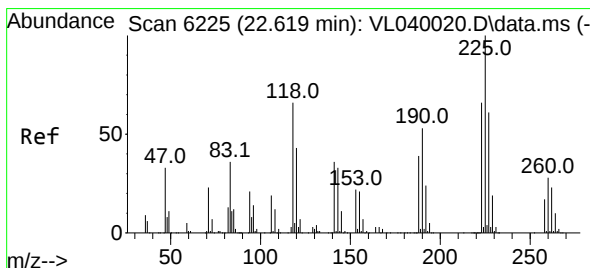
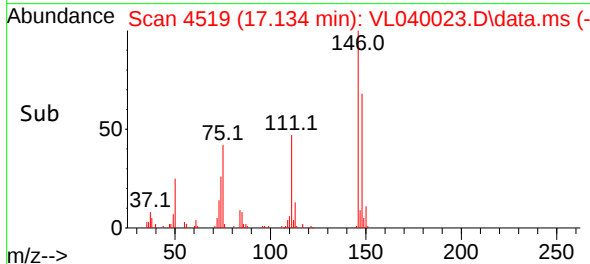
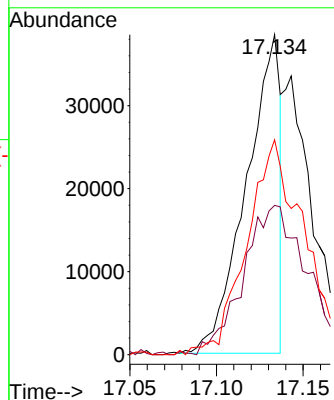
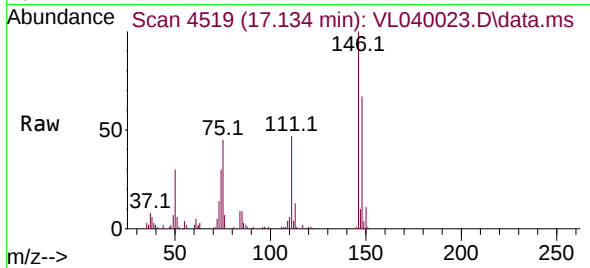




#77
1,2-Dichlorobenzene
Concen: 0.295 ppbv
RT: 17.134 min Scan# 4519
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

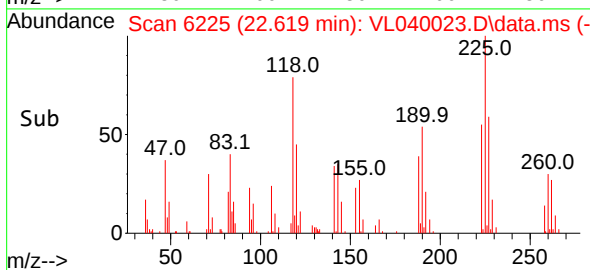
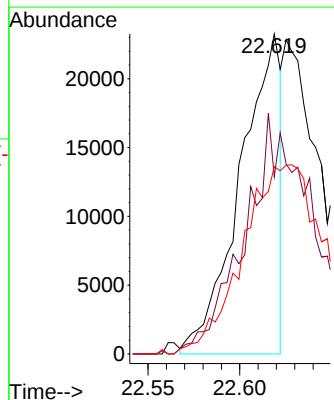
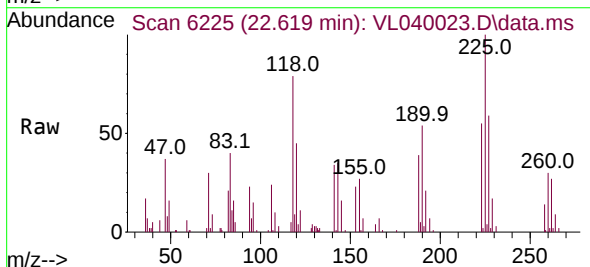
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

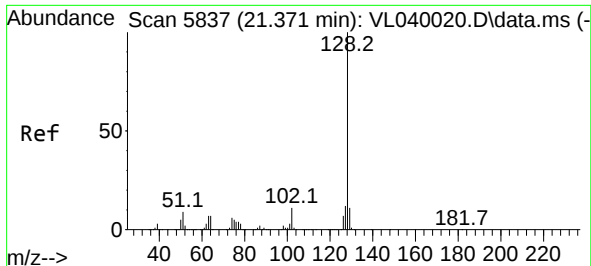
Tgt Ion:146 Resp: 52329
Ion Ratio Lower Upper
146 100
111 93.5 25.3 75.9#
148 119.0 31.9 95.9#



#78
Hexachloro-1,3-Butadiene
Concen: 0.291 ppbv
RT: 22.619 min Scan# 6225
Delta R.T. 0.000 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion:225 Resp: 35694
Ion Ratio Lower Upper
225 100
223 127.9 0.0 0.0#
227 0.0 0.0 0.0

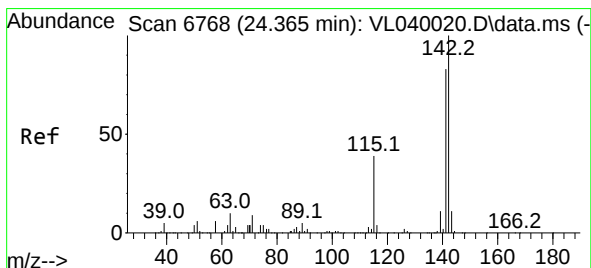
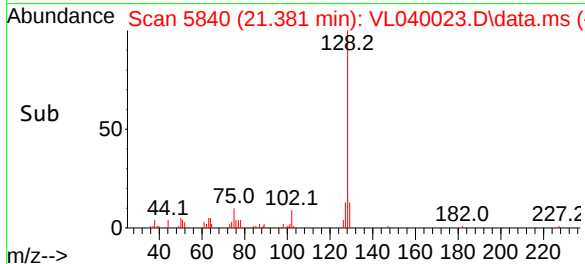
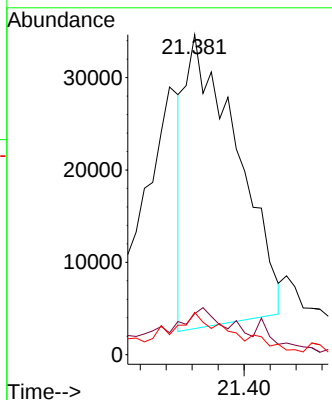
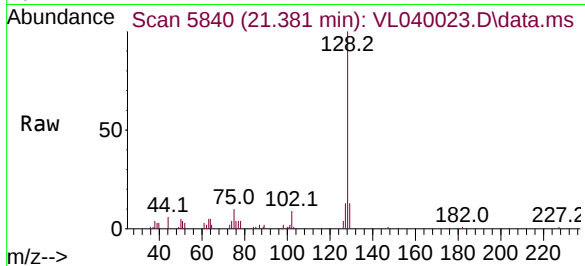




#79
Naphthalene
Concen: 0.218 ppbv
RT: 21.381 min Scan# 5840
Delta R.T. 0.010 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

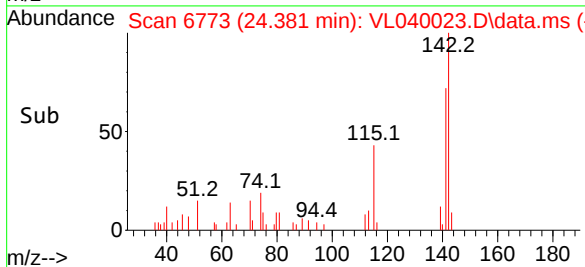
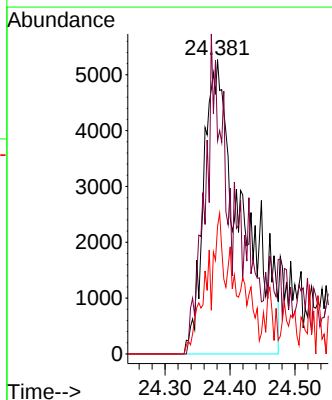
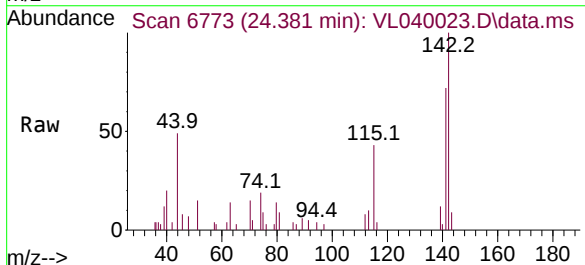
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

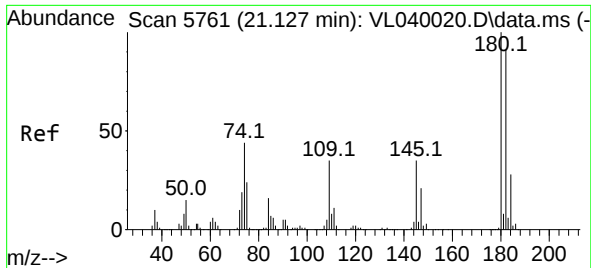
Tgt Ion:	128	Resp:	43670
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.0	15.0
129	12.7	8.8	13.2



#80
Naphthalene, 2-methyl-
Concen: 0.372 ppbv
RT: 24.381 min Scan# 6773
Delta R.T. 0.016 min
Lab File: VL040023.D
Acq: 19 Dec 2022 11:29

Tgt Ion:	142	Resp:	21367
Ion Ratio	Lower	Upper	
142	100		
141	78.1	65.3	97.9
115	36.5	31.9	47.9





#81

1,2,4-Trichlorobenzene

Concen: 0.191 ppbv

RT: 21.127 min Scan# 5

Delta R.T. 0.000 min

Lab File: VL040023.D

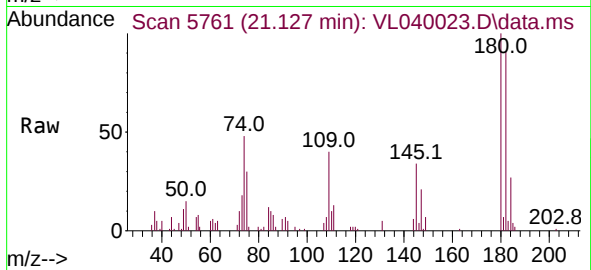
Acq: 19 Dec 2022 11:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 22630

Ion Ratio Lower Upper

180 100

182 0.0 76.6 115.0#

184 0.0 24.9 37.3#

