

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040628.D
 Acq On : 15 Aug 2023 9:37
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Aug 16 04:45:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 04:44:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1058327	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2951698	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2597211	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2014034	9.751	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	124678	0.547	ppbv	95
3) Chlorodifluoromethane	2.668	51	96866	0.557	ppbv	96
4) Chloromethane	2.806	50	39607	0.584	ppbv	100
5) Vinyl Chloride	2.912	62	37416	0.520	ppbv #	78
6) Bromomethane	3.112	94	12578	0.332	ppbv	90
7) Chloroethane	3.192	64	14189	0.540	ppbv #	79
8) Dichlorotetrafluoroethane	2.848	85	98092	0.532	ppbv	97
9) Propene	2.687	41	30445	0.565	ppbv	95
10) Heptane	7.590	43	61118	0.493	ppbv	96
11) Trichlorofluoromethane	3.555	101	94615	0.514	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.060	101	40047	0.297	ppbv #	15
13) Ethanol	3.256	45	2390	0.185	ppbv #	39
14) Bromoethene	3.366	108	27830	0.502	ppbv	91
15) Acetone	3.478	43	74503	0.576	ppbv	96
16) 1,3-Butadiene	2.983	39	33936	0.527	ppbv	99
17) tert-Butyl alcohol	3.890	59	66608	0.485	ppbv	98
18) 1,1-Dichloroethene	3.880	96	32605	0.527	ppbv	95
19) Isopropyl Alcohol	3.594	45	38612	0.470	ppbv #	89
20) Methylene Chloride	3.931	84	39923	0.631	ppbv	92
21) Allyl Chloride	3.996	41	46379	0.542	ppbv	92
22) trans-1,2-Dichloroethene	4.446	96	31861	0.524	ppbv #	87
23) Vinyl Acetate	4.636	43	71941	0.509	ppbv #	90
24) 1,1-Dichloroethane	4.562	63	61795	0.490	ppbv #	96
25) Ethyl Acetate	5.214	43	130123	0.535	ppbv	99
26) Hexane	5.214	57	69815	0.594	ppbv	92
27) Carbon Disulfide	4.121	76	62336	0.445	ppbv #	88
28) Methyl tert-Butyl Ether	4.597	73	48121	0.529	ppbv #	90
29) Chloroform	5.272	83	102613	0.551	ppbv	98
30) Cyclohexane	6.610	84	24569	0.285	ppbv #	25
31) cis-1,2-Dichloroethene	5.079	61	51853	0.488	ppbv	99
32) 1,1,1-Trichloroethane	6.009	97	91135	0.510	ppbv	97
34) 2-Butanone	4.803	43	74679	0.502	ppbv	95
35) Carbon Tetrachloride	6.497	117	89926	0.486	ppbv	97
36) Benzene	6.375	78	123082	0.524	ppbv #	90
37) 1,2-Dichloroethane	5.809	62	67834	0.479	ppbv #	96
38) Trichloroethene	7.295	130	23241	0.255	ppbv	90
39) 1,2-Dichloropropane	7.073	63	45885	0.514	ppbv	88
40) 1,4-Dioxane	7.288	88	92	0.003	ppbv #	1
41) Tetrahydrofuran	5.581	42	17250	0.206	ppbv #	33
42) Bromodichloromethane	7.253	83	91645	0.465	ppbv	90
43) Methyl Methacrylate	7.481	69	16001	0.182	ppbv #	1
44) 2,2,4-Trimethylpentane	7.333	57	185727	0.489	ppbv	94
45) t-1,3-Dichloropropene	8.719	75	14228	0.205	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040628.D
 Acq On : 15 Aug 2023 9:37
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

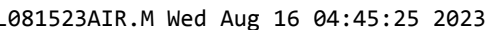
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

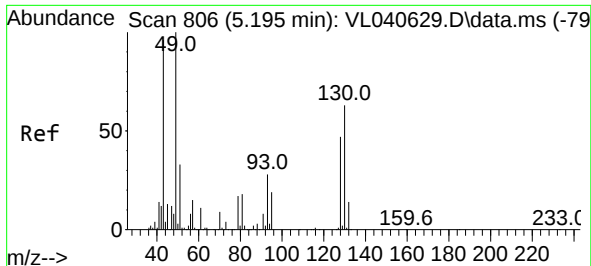
Quant Time: Aug 16 04:45:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 04:44:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	35214	0.412	ppbv #	84
47) 1,1,2-Trichloroethane	8.909	97	47622	0.472	ppbv	92
48) Dibromochloromethane	9.716	129	65669	0.416	ppbv	95
49) Bromoform	12.423	173	20368	0.161	ppbv #	1
50) 4-Methyl-2-Pentanone	8.211	43	92567	0.425	ppbv	99
51) 2-Hexanone	9.587	43	35079	0.230	ppbv #	43
52) Tetrachloroethene	10.619	164	18756	0.255	ppbv #	89
53) Toluene	9.230	91	109784	0.440	ppbv	100
54) 1,2-Dibromoethane	10.021	107	23100	0.191	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.520	131	35436	0.295	ppbv #	9
57) Chlorobenzene	11.532	112	108805	0.543	ppbv	97
58) Ethyl Benzene	12.102	91	135635	0.433	ppbv	94
59) m/p-Xylene	12.381	91	122782	0.430	ppbv #	23
60) o-Xylene	13.069	91	123084	0.455	ppbv	100
61) Styrene	12.915	104	23806	0.201	ppbv #	36
62) Isopropylbenzene	14.037	105	109856	0.268	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	13.063	83	107867	0.526	ppbv	95
64) n-propylbenzene	14.931	120	25962	0.251	ppbv #	1
65) tert-Butylbenzene	16.098	119	166710	0.469	ppbv	94
66) Benzyl Chloride	16.323	91	2720	0.061	ppbv #	63
67) sec-Butylbenzene	16.645	105	251323	0.485	ppbv	100
69) p-Isopropyltoluene	17.005	119	186245	0.459	ppbv	97
70) n-Butylbenzene	17.902	91	194799	0.440	ppbv	98
71) 2-Chlorotoluene	14.815	91	137680	0.453	ppbv	99
72) 4-Ethyltoluene	15.204	105	133092	0.435	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.359	105	60943	0.224	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	157180	0.493	ppbv	94
75) 1,3-Dichlorobenzene	16.339	146	54110	0.294	ppbv #	40
76) 1,4-Dichlorobenzene	16.487	146	55949	0.304	ppbv #	42
77) 1,2-Dichlorobenzene	17.156	146	82203	0.454	ppbv	82
78) Hexachloro-1,3-Butadiene	22.635	225	28054	0.204	ppbv #	1
79) Naphthalene	21.403	128	88731	0.415	ppbv #	94
80) Naphthalene,2-methyl-	24.673	142	434	0.008	ppbv	87
81) 1,2,4-Trichlorobenzene	21.149	180	14539	0.105	ppbv #	11

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

Quant Time: Aug 16 04:45:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Aug 16 04:44:10 2023
Response via : Initial Calibration

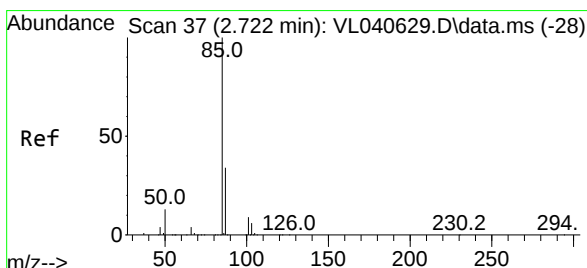
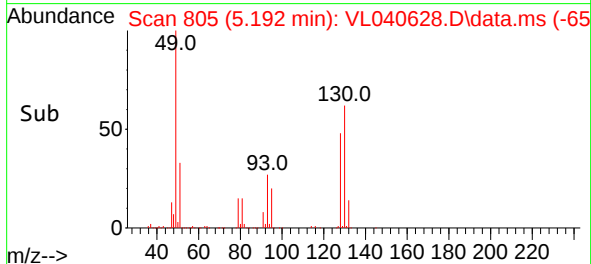
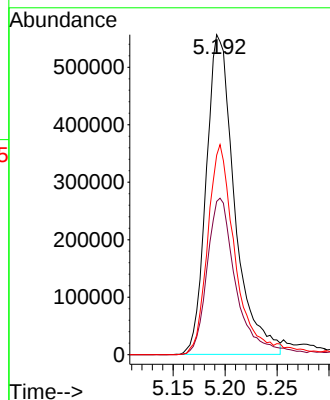
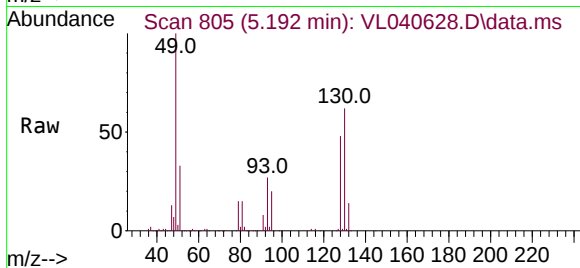




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

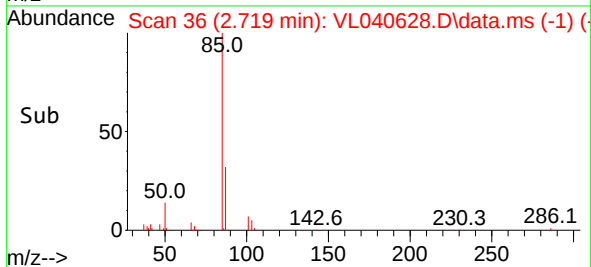
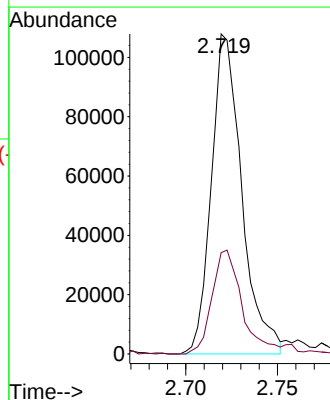
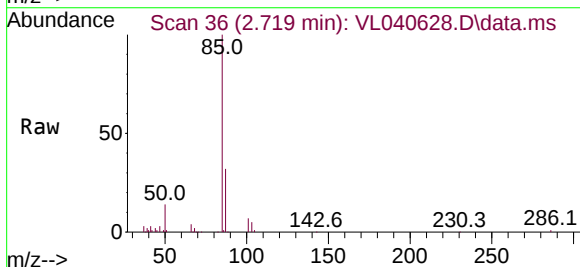
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

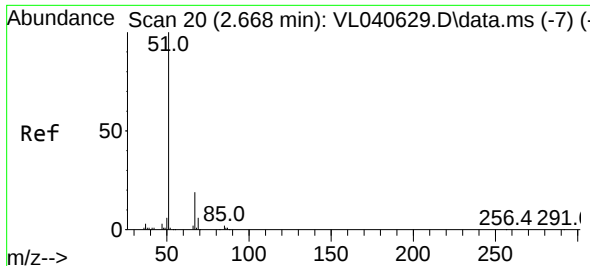
Tgt Ion: 49 Resp: 1058327
Ion Ratio Lower Upper
49 100
128 51.5 24.9 74.7
130 66.4 32.2 96.6



#2
Dichlorodifluoromethane
Concen: 0.547 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 85 Resp: 124678
Ion Ratio Lower Upper
85 100
87 31.6 27.5 41.3

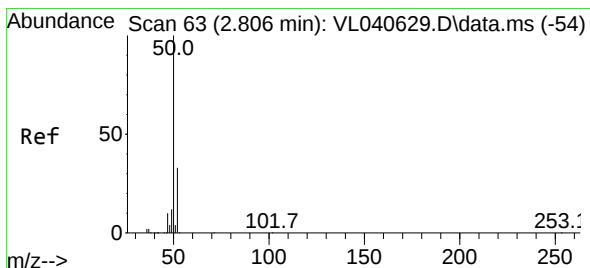
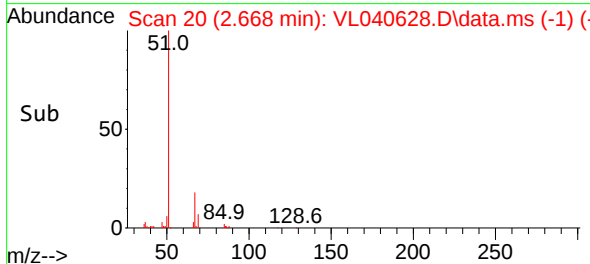
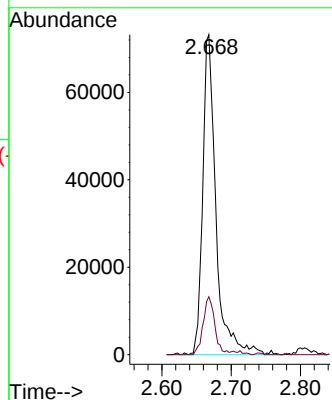
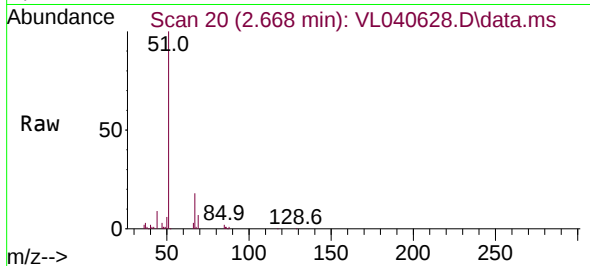




#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

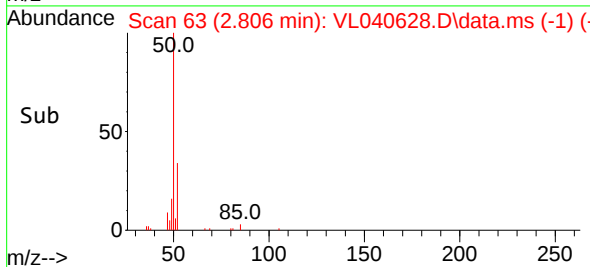
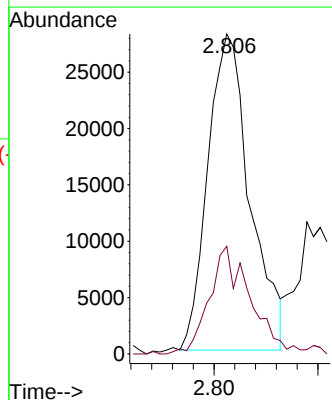
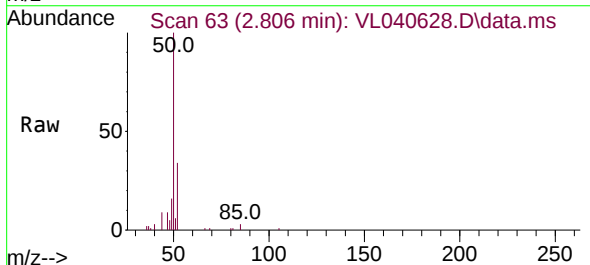
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

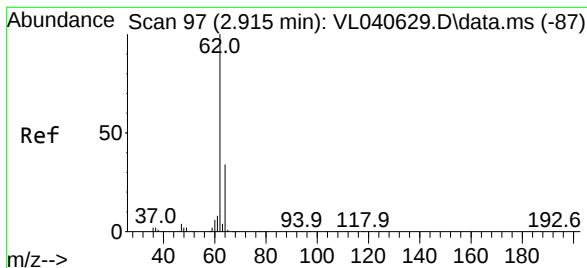
Tgt Ion: 51 Resp: 96866
Ion Ratio Lower Upper
51 100
67 17.1 15.0 22.6



#4
Chloromethane
Concen: 0.584 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.000 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 50 Resp: 39607
Ion Ratio Lower Upper
50 100
52 32.4 26.2 39.2

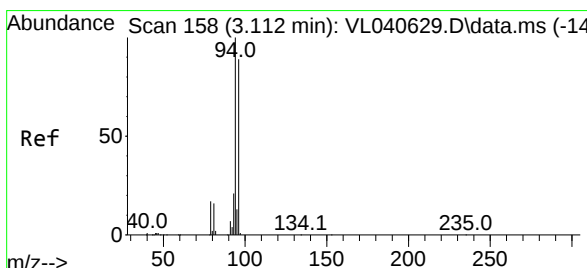
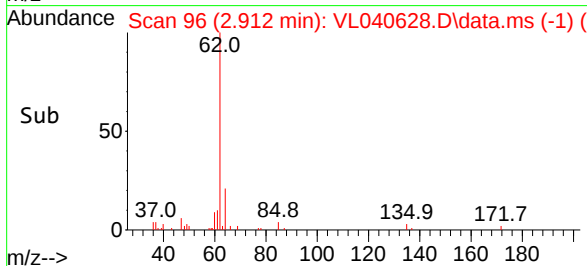
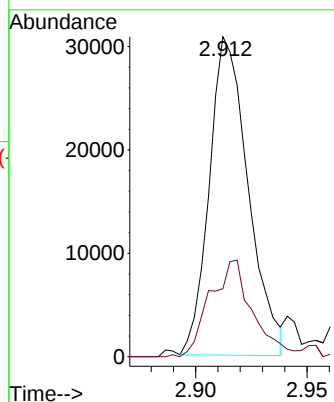
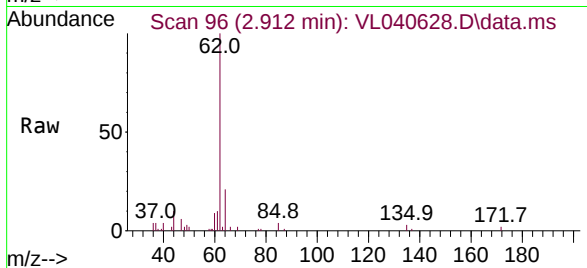




#5
 Vinyl Chloride
 Concen: 0.520 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

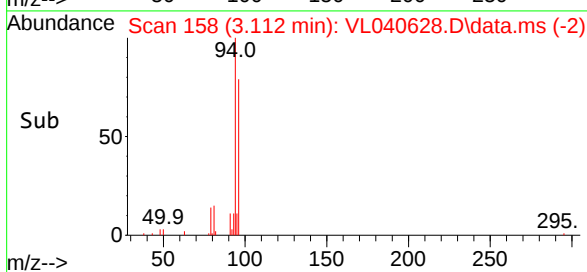
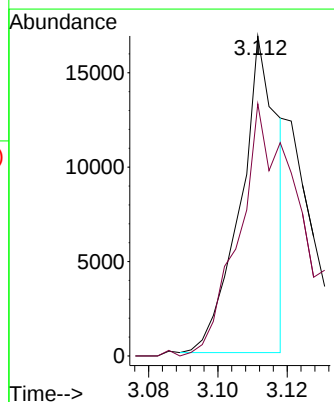
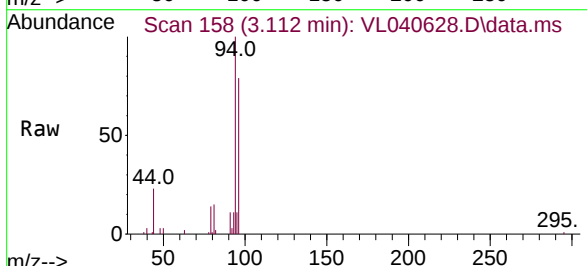
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

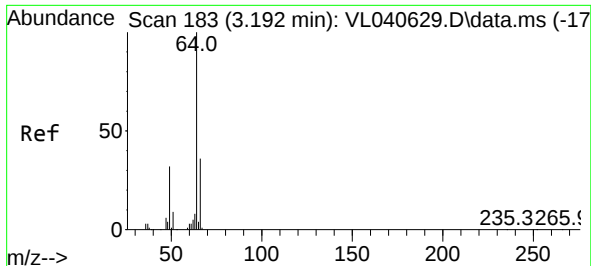
Tgt Ion: 62 Resp: 37416
 Ion Ratio Lower Upper
 62 100
 64 21.4 27.0 40.6#



#6
 Bromomethane
 Concen: 0.332 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

Tgt Ion: 94 Resp: 12578
 Ion Ratio Lower Upper
 94 100
 96 79.6 71.5 107.3

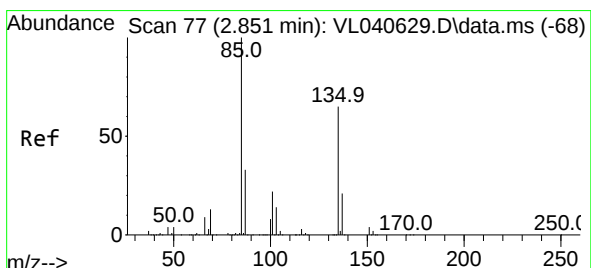
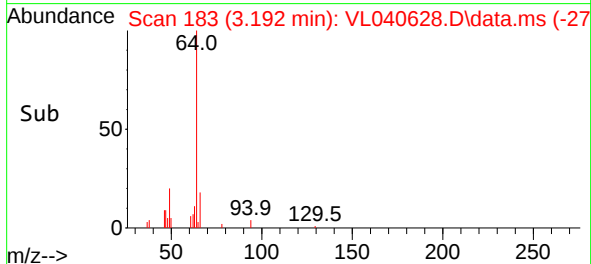
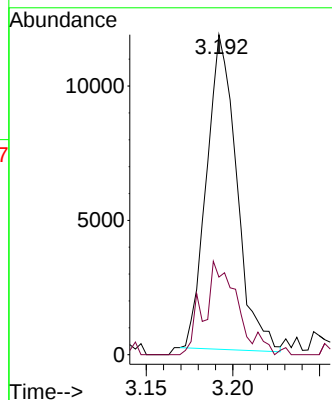
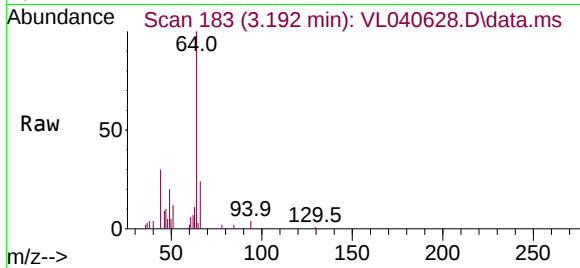




#7
Chloroethane
Concen: 0.540 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

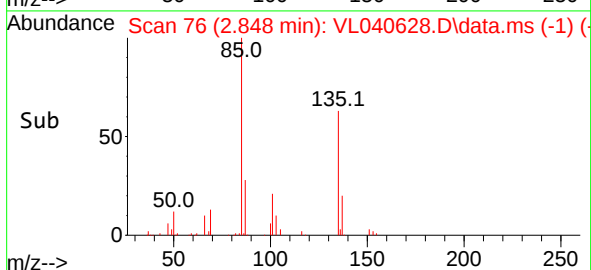
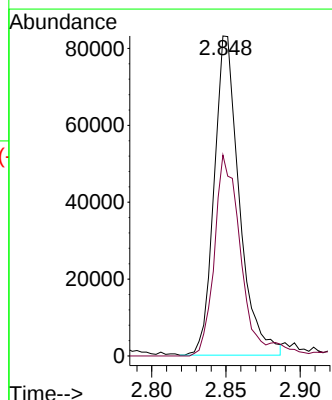
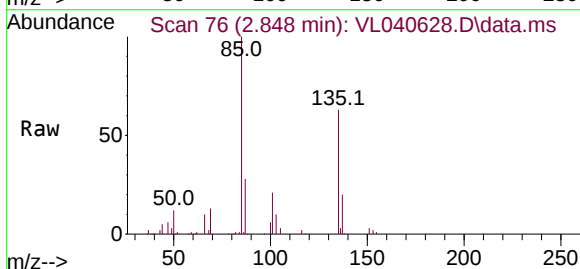
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

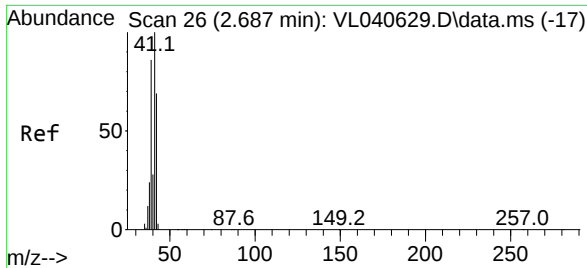
Tgt Ion: 64 Resp: 14189
Ion Ratio Lower Upper
64 100
66 23.5 28.7 43.1#



#8
Dichlorotetrafluoroethane
Concen: 0.532 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 85 Resp: 98092
Ion Ratio Lower Upper
85 100
135 68.5 52.8 79.2

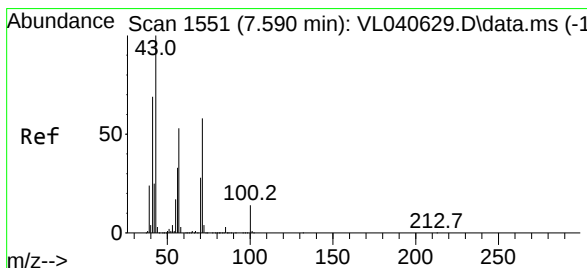
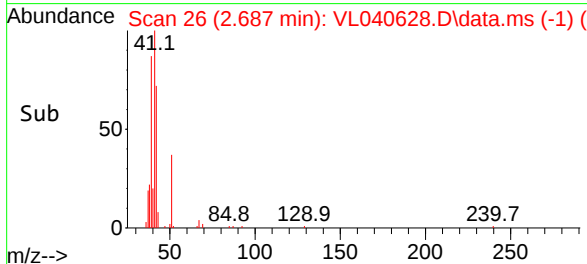
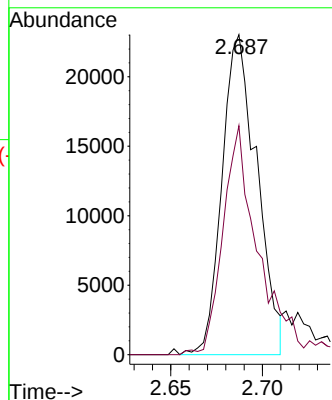
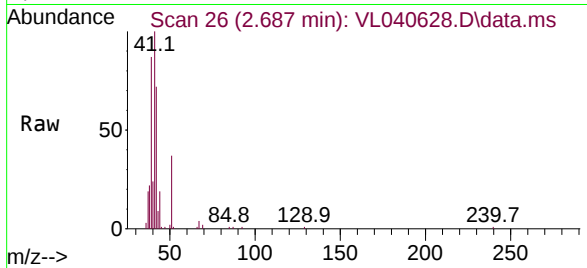




#9
 Propene
 Concen: 0.565 ppbv
 RT: 2.687 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

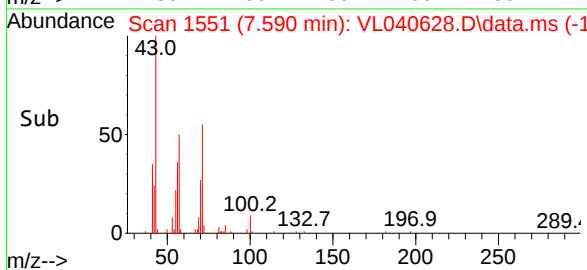
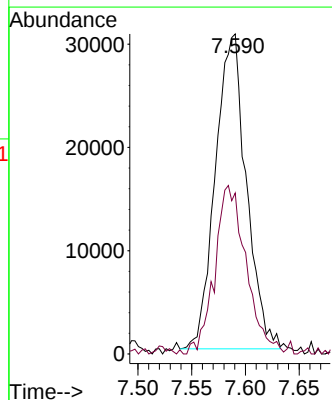
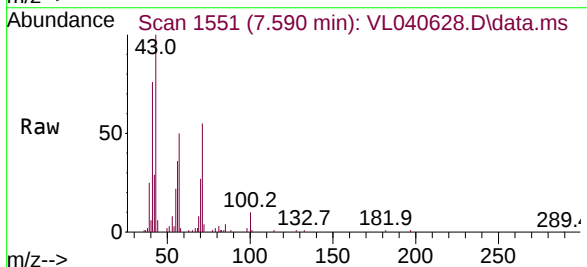
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

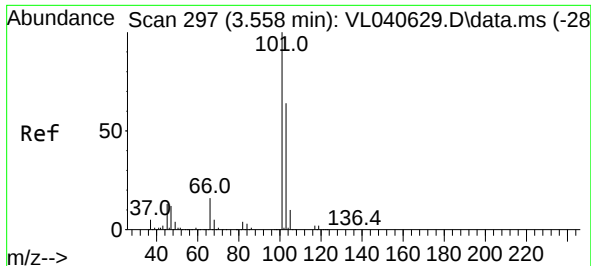
Tgt Ion: 41 Resp: 30445
 Ion Ratio Lower Upper
 41 100
 42 75.0 56.5 84.7



#10
 Heptane
 Concen: 0.493 ppbv
 RT: 7.590 min Scan# 1551
 Delta R.T. 0.000 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

Tgt Ion: 43 Resp: 61118
 Ion Ratio Lower Upper
 43 100
 57 55.8 42.5 63.7

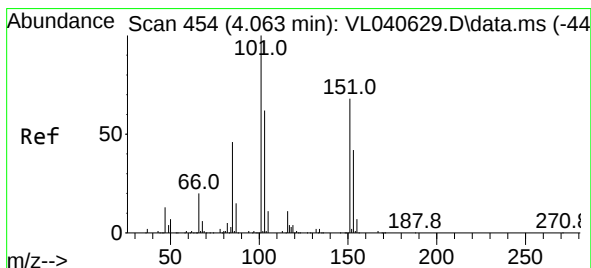
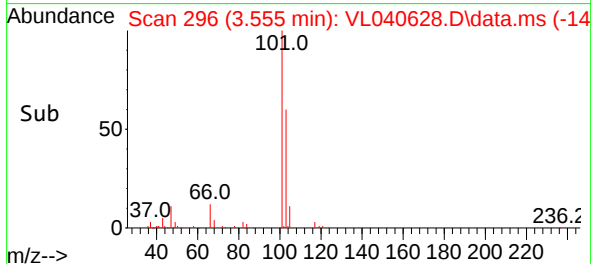
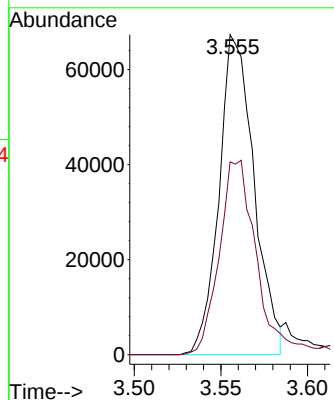
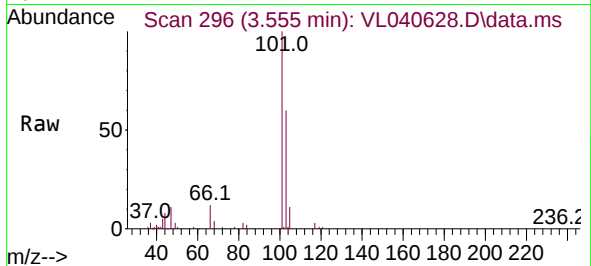




#11
 Trichlorofluoromethane
 Concen: 0.514 ppbv
 RT: 3.555 min Scan# 297
 Delta R.T. -0.003 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

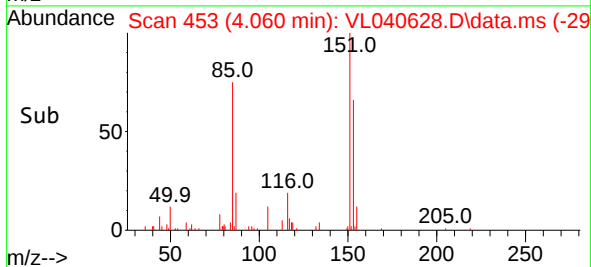
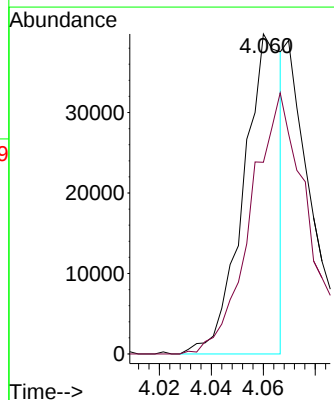
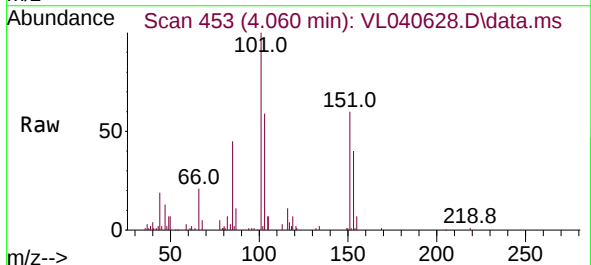
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

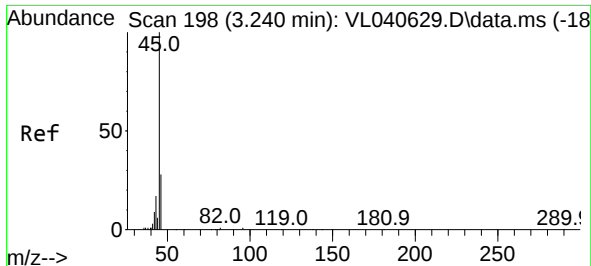
Tgt Ion:101 Resp: 94615
 Ion Ratio Lower Upper
 101 100
 103 60.3 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.297 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. -0.003 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

Tgt Ion:101 Resp: 40047
 Ion Ratio Lower Upper
 101 100
 151 0.0 56.2 84.2#

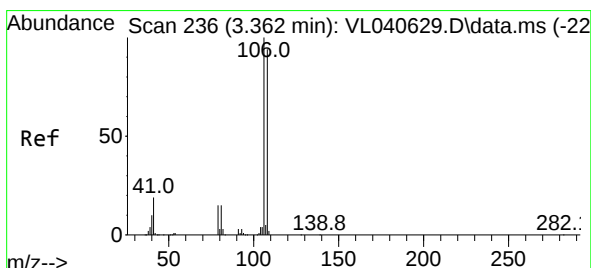
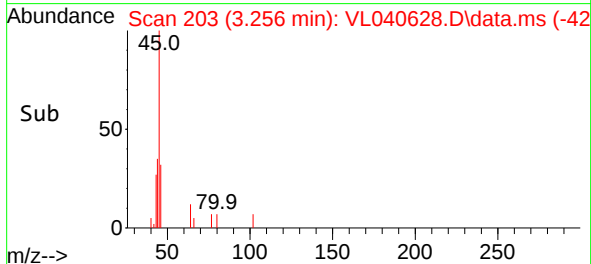
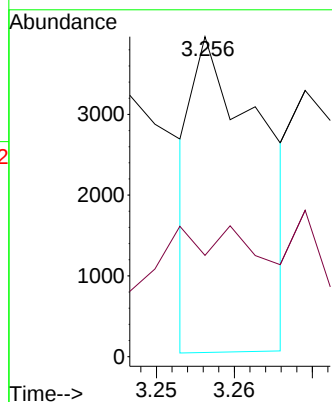
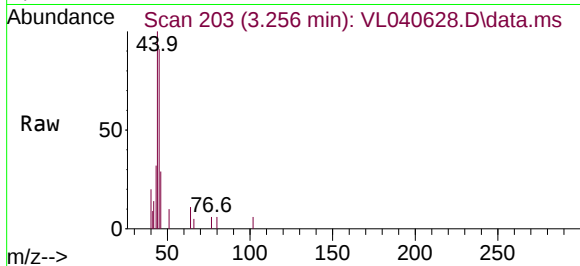




#13
Ethanol
Concen: 0.185 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.016 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

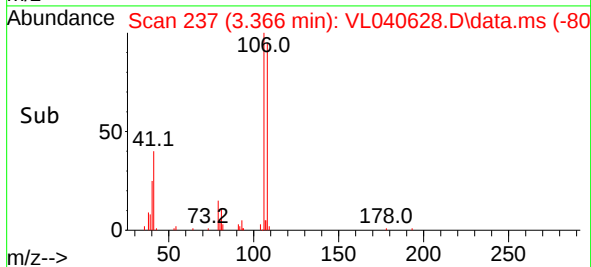
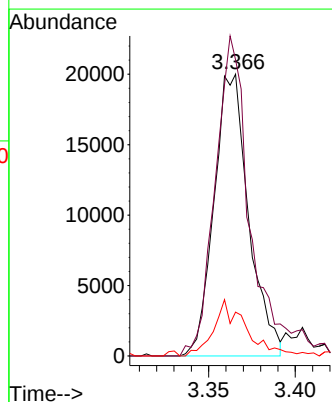
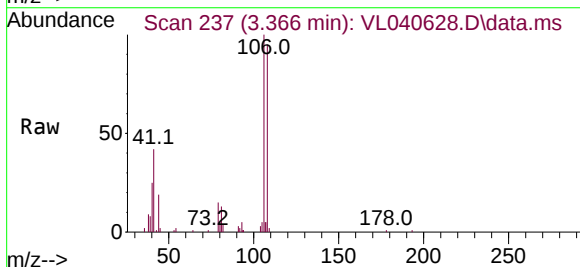
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

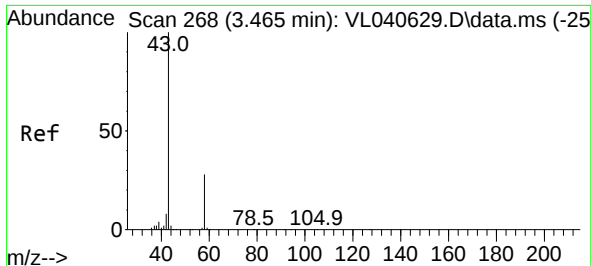
Tgt Ion: 45 Resp: 2390
Ion Ratio Lower Upper
45 100
46 0.0 14.2 56.6#



#14
Bromoethene
Concen: 0.502 ppbv
RT: 3.366 min Scan# 237
Delta R.T. 0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 108 Resp: 27830
Ion Ratio Lower Upper
108 100
106 119.6 87.3 130.9
79 19.4 14.4 21.6





#15

Acetone

Concen: 0.576 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

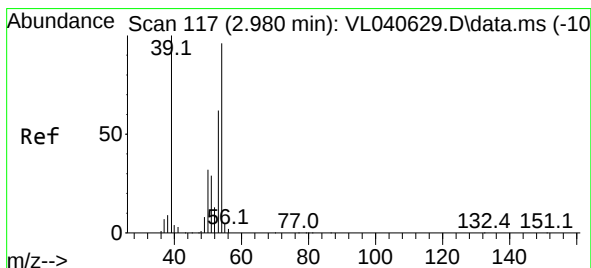
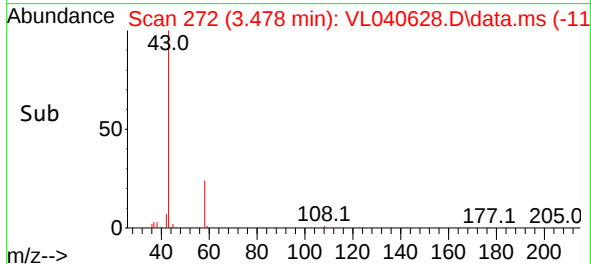
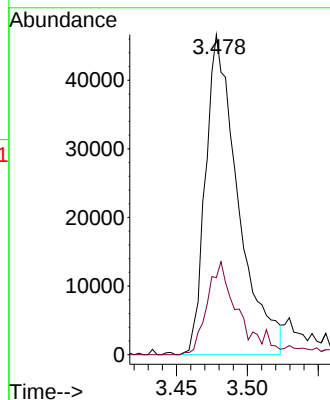
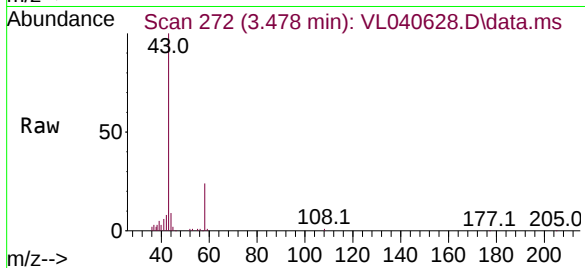
VSTDIC0.5

Tgt Ion: 43 Resp: 74503

Ion Ratio Lower Upper

43 100

58 29.9 22.4 33.6



#16

1,3-Butadiene

Concen: 0.527 ppbv

RT: 2.983 min Scan# 118

Delta R.T. 0.003 min

Lab File: VL040628.D

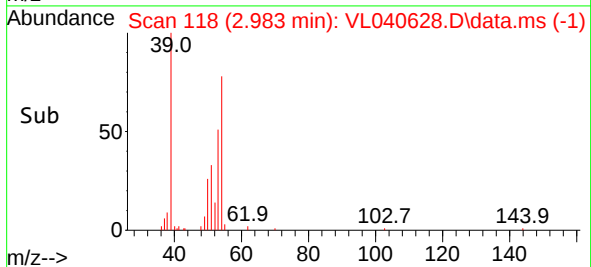
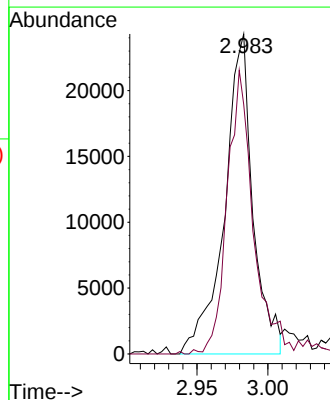
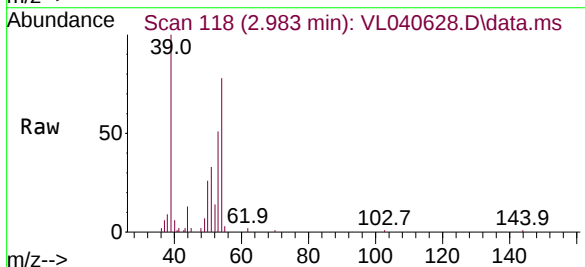
Acq: 15 Aug 2023 9:37

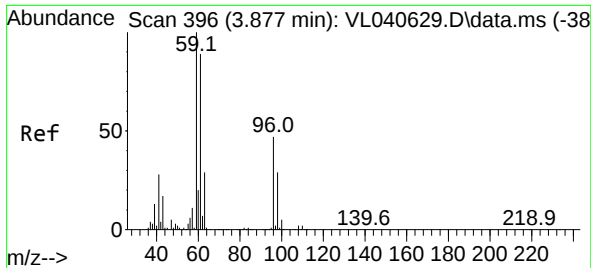
Tgt Ion: 39 Resp: 33936

Ion Ratio Lower Upper

39 100

54 84.0 66.6 99.8





#17

tert-Butyl alcohol

Concen: 0.485 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.013 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

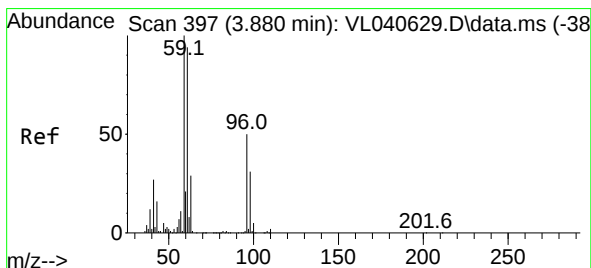
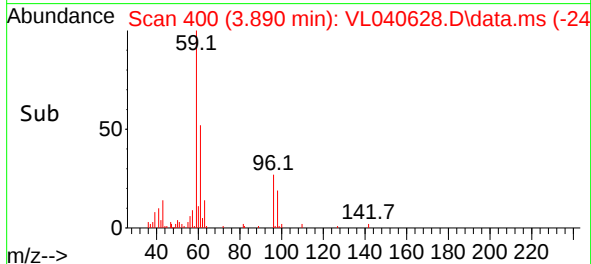
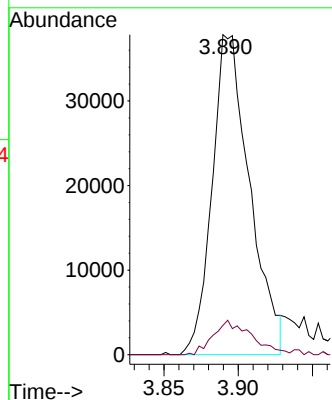
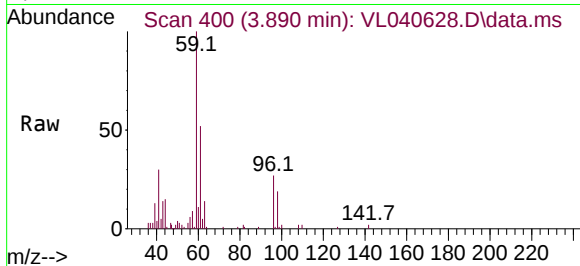
VSTDIC0.5

Tgt Ion: 59 Resp: 66608

Ion Ratio Lower Upper

59 100

57 11.4 8.4 12.6



#18

1,1-Dichloroethene

Concen: 0.527 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.000 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

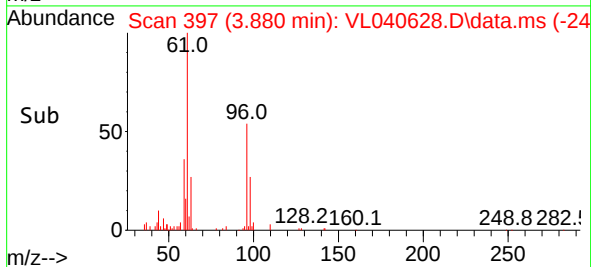
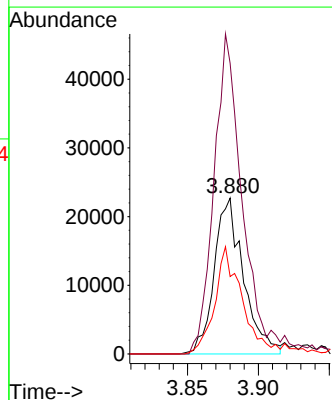
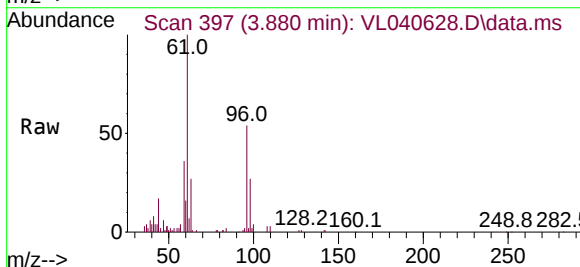
Tgt Ion: 96 Resp: 32605

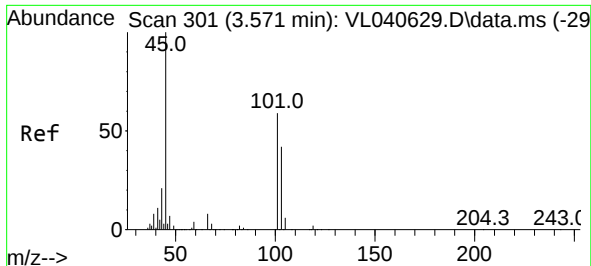
Ion Ratio Lower Upper

96 100

61 186.5 150.4 225.6

98 49.7 49.7 74.5

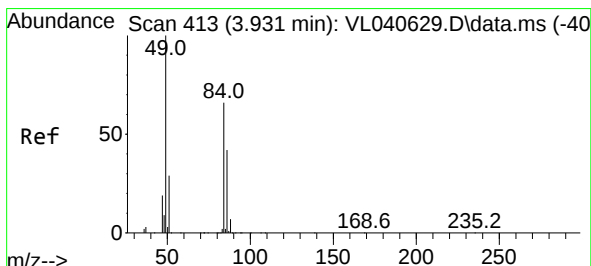
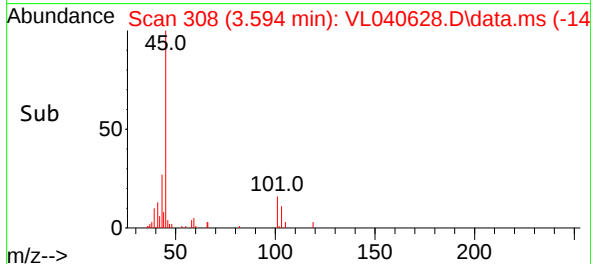
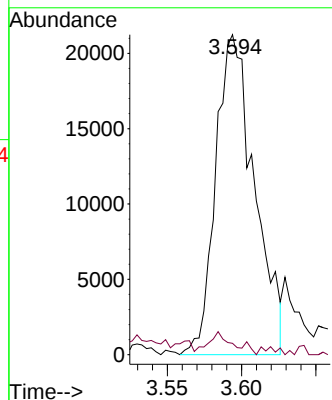
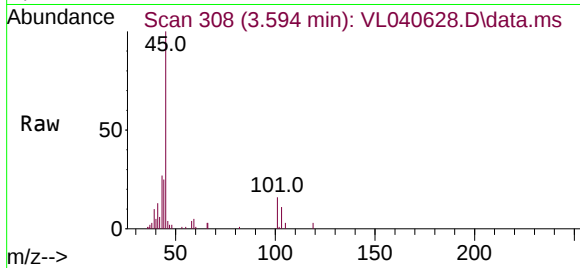




#19
Isopropyl Alcohol
Concen: 0.470 ppbv
RT: 3.594 min Scan# 301
Delta R.T. 0.023 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

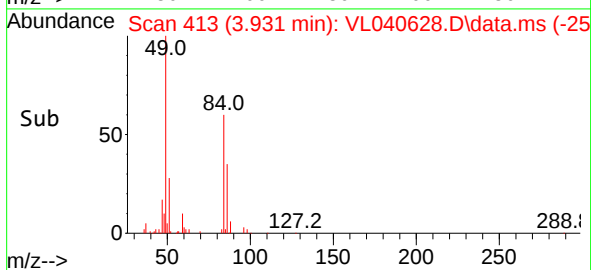
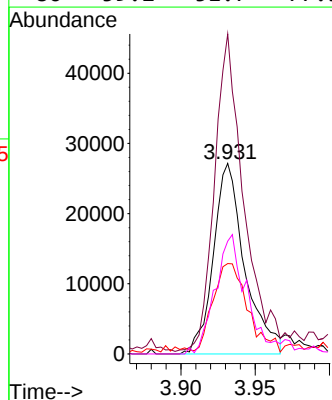
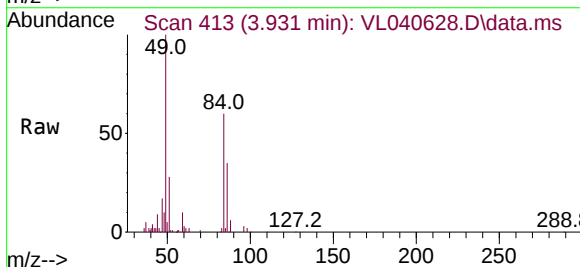
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

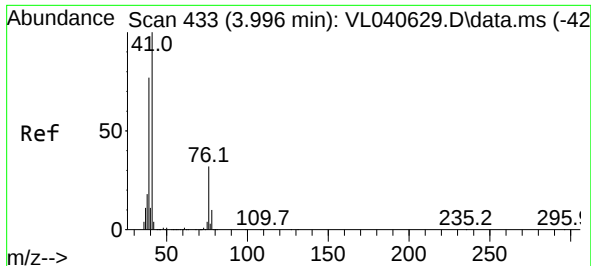
Tgt Ion: 45 Resp: 38612
Ion Ratio Lower Upper
45 100
58 6.3 1.9 2.9#



#20
Methylene Chloride
Concen: 0.631 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.000 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 84 Resp: 39923
Ion Ratio Lower Upper
84 100
49 165.9 122.1 183.1
51 46.5 35.4 53.2
86 59.2 51.7 77.5





#21

Allyl Chloride

Concen: 0.542 ppbv

RT: 3.996 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

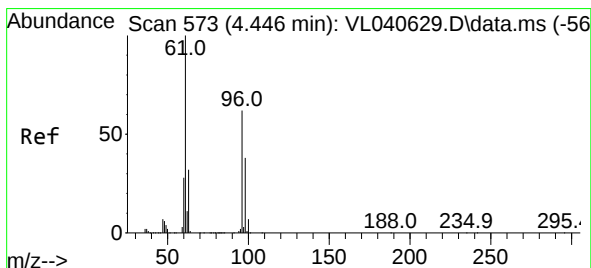
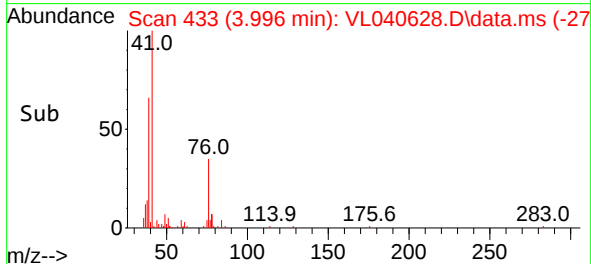
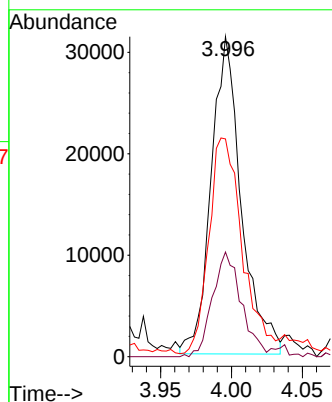
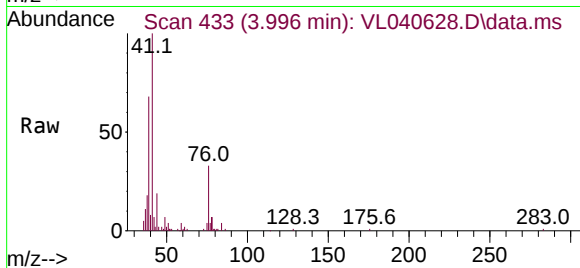
Tgt Ion: 41 Resp: 46379

Ion Ratio Lower Upper

41 100

76 33.6 25.5 38.3

39 86.2 61.8 92.6



#22

trans-1,2-Dichloroethene

Concen: 0.524 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.000 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

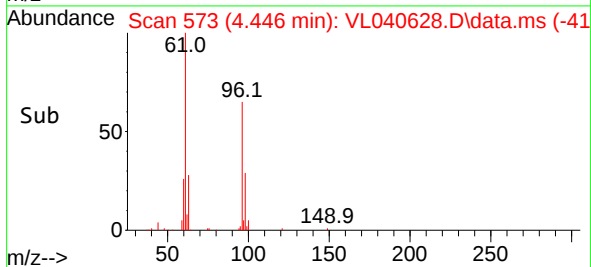
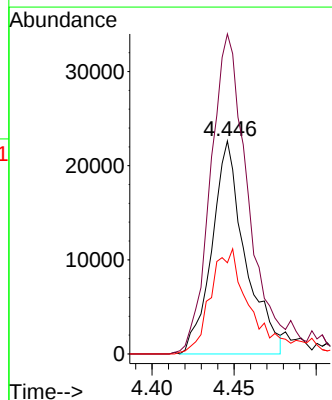
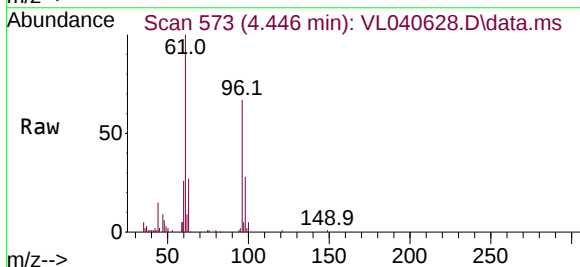
Tgt Ion: 96 Resp: 31861

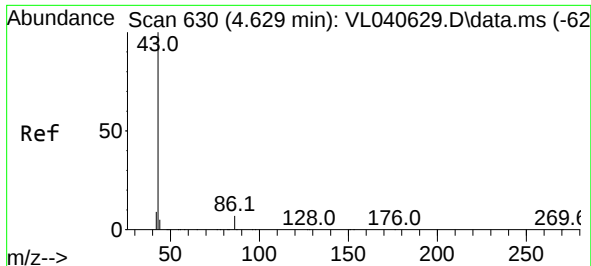
Ion Ratio Lower Upper

96 100

61 148.8 128.1 192.1

98 42.0 48.1 72.1#

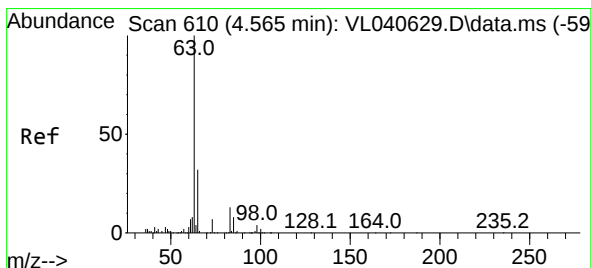
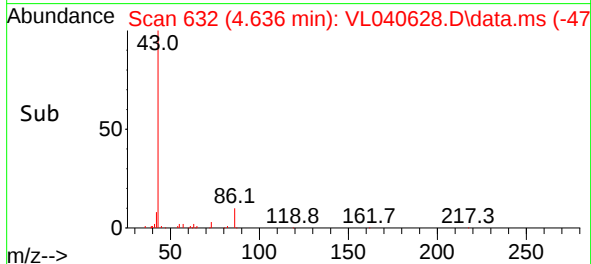
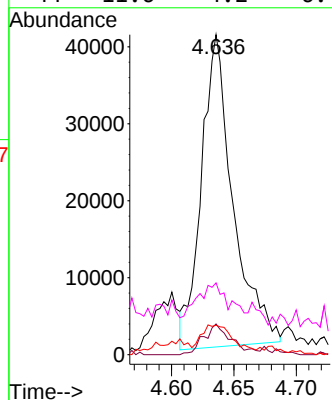
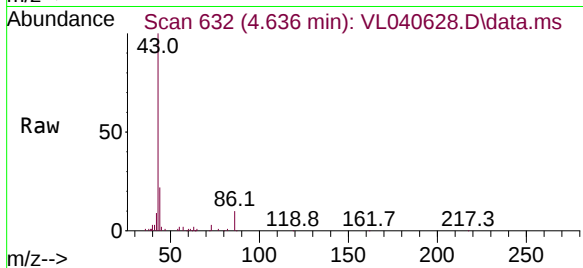




#23
 Vinyl Acetate
 Concen: 0.509 ppbv
 RT: 4.636 min Scan# 610
 Delta R.T. 0.006 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

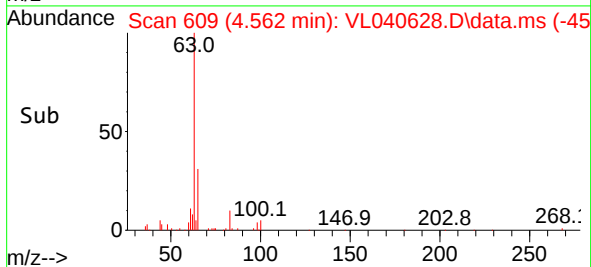
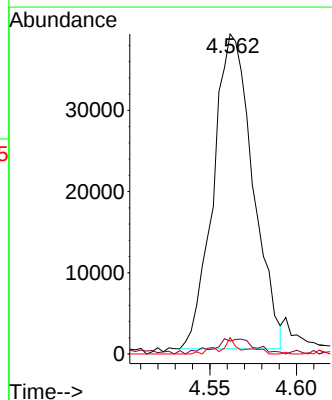
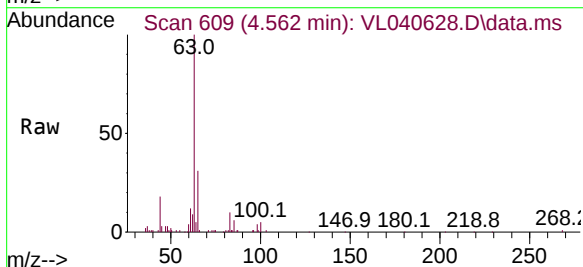
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

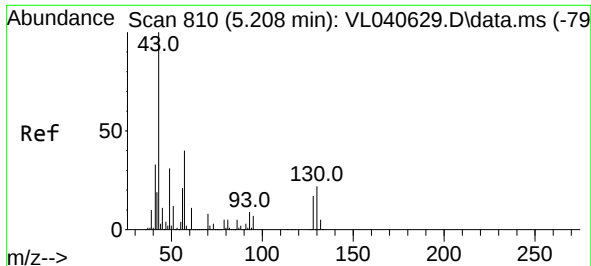
Tgt Ion:	43	Resp:	71941
Ion	Ratio	Lower	Upper
43	100		
86	10.2	5.0	7.6#
42	7.9	7.8	11.8
44	11.6	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.490 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. -0.003 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

Tgt Ion:	63	Resp:	61795
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.0	6.0
100	5.2	1.1	3.3#

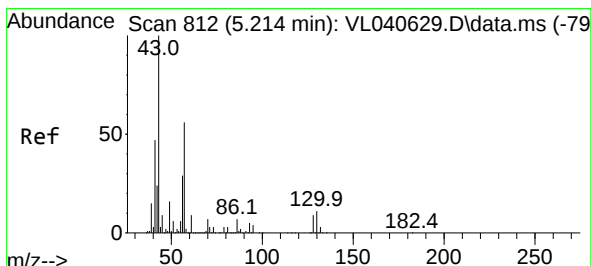
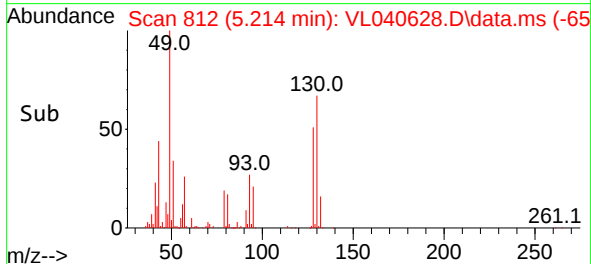
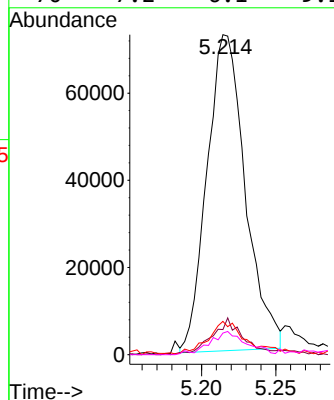
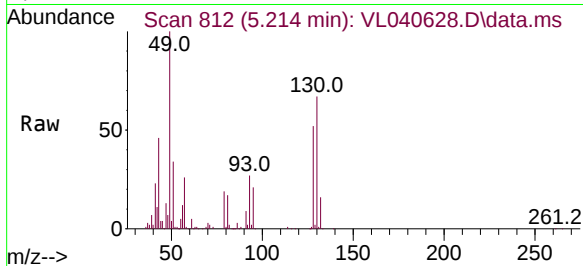




#25
Ethyl Acetate
Concen: 0.535 ppbv
RT: 5.214 min Scan# 810
Delta R.T. 0.006 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

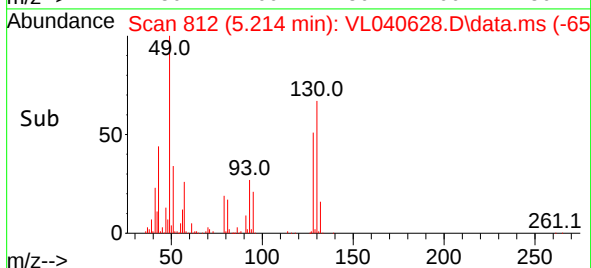
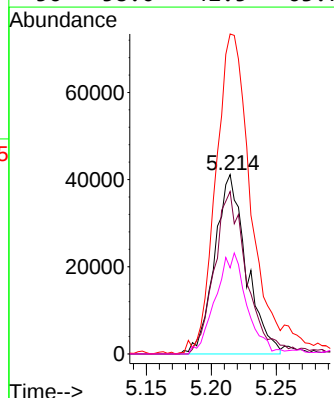
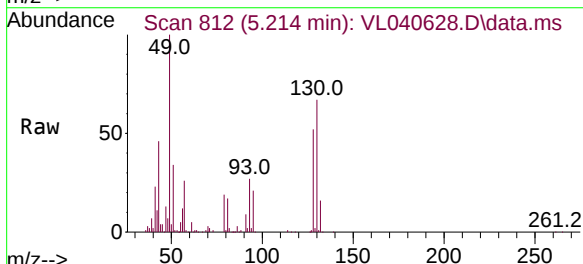
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

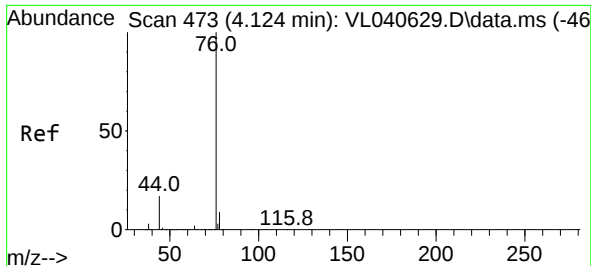
Tgt Ion: 43	Resp: 130123
Ion Ratio	Lower Upper
43 100	
45 10.3	8.2 12.4
61 11.5	8.3 12.5
70 7.2	6.1 9.1



#26
Hexane
Concen: 0.594 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.000 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 57	Resp: 69815
Ion Ratio	Lower Upper
57 100	
41 94.9	69.3 103.9
43 208.7	177.9 266.9
56 58.0	42.5 63.7





#27

Carbon Disulfide

Concen: 0.445 ppbv

RT: 4.121 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

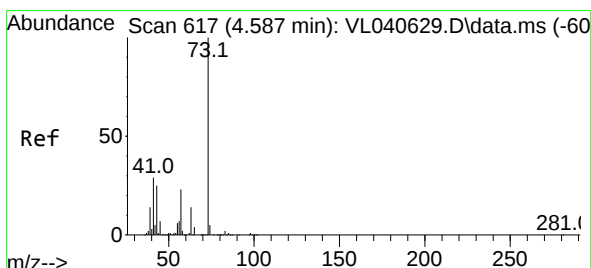
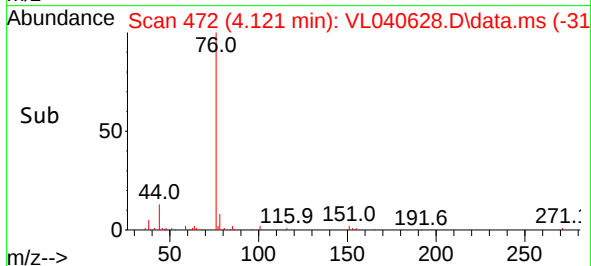
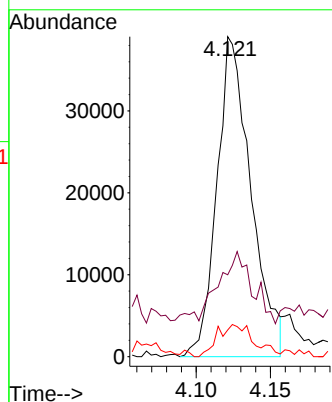
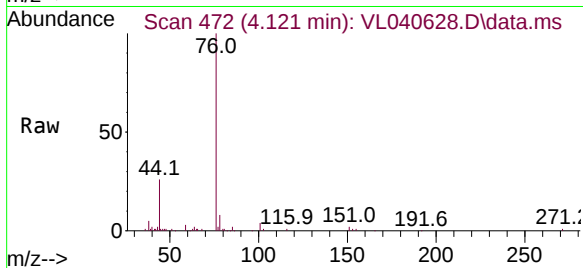
Tgt Ion: 76 Resp: 62336

Ion Ratio Lower Upper

76 100

44 24.2 14.3 21.5#

78 12.4 7.4 11.0#



#28

Methyl tert-Butyl Ether

Concen: 0.529 ppbv

RT: 4.597 min Scan# 620

Delta R.T. 0.010 min

Lab File: VL040628.D

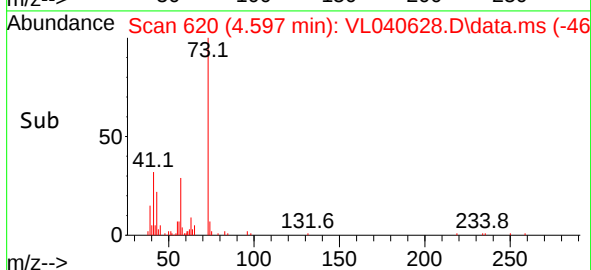
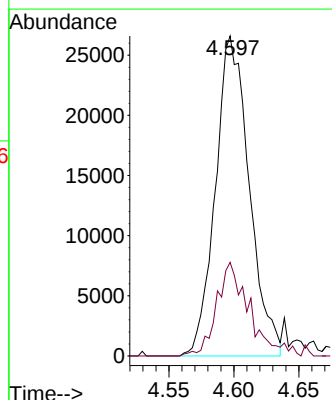
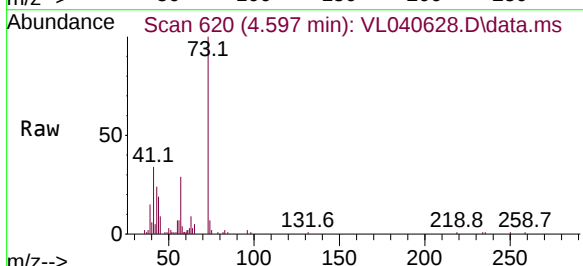
Acq: 15 Aug 2023 9:37

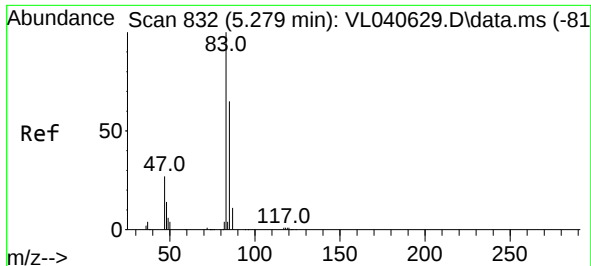
Tgt Ion: 73 Resp: 48121

Ion Ratio Lower Upper

73 100

57 28.7 18.9 28.3#





#29

Chloroform

Concen: 0.551 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

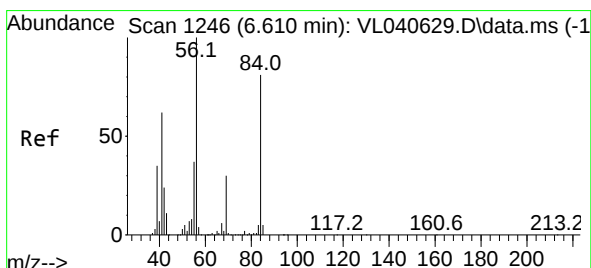
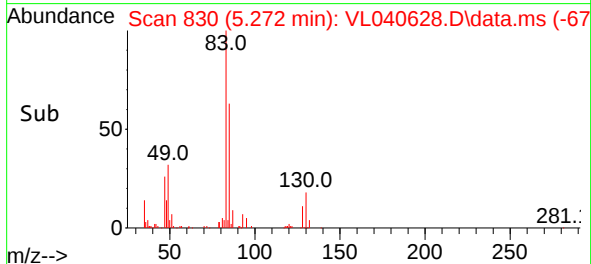
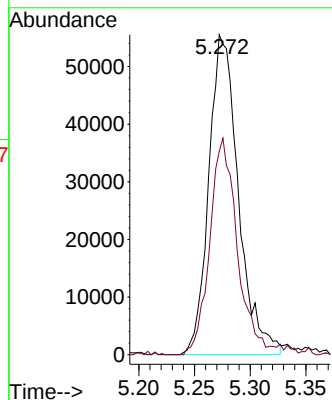
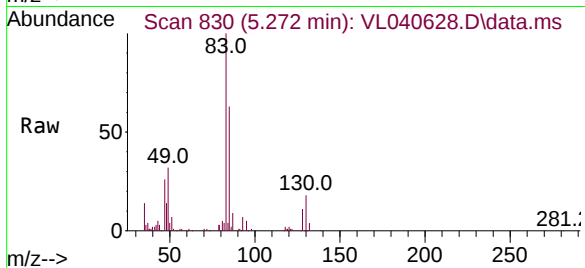
VSTDIC0.5

Tgt Ion: 83 Resp: 102613

Ion Ratio Lower Upper

83 100

85 63.5 52.2 78.2



#30

Cyclohexane

Concen: 0.285 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

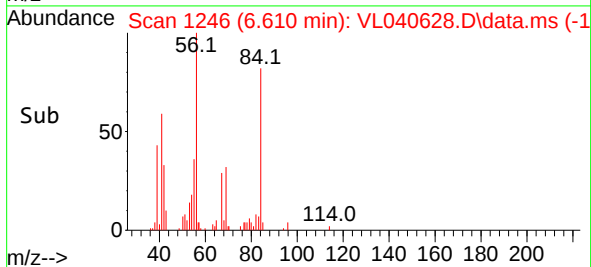
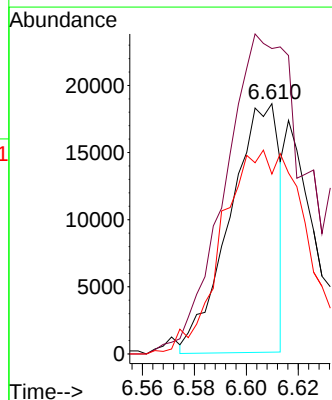
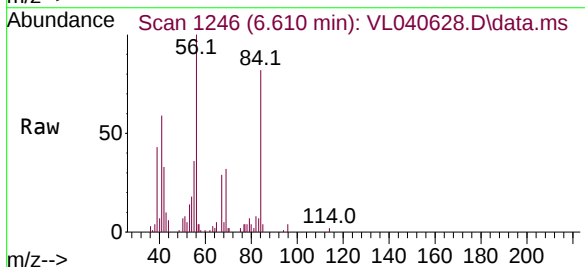
Tgt Ion: 84 Resp: 24569

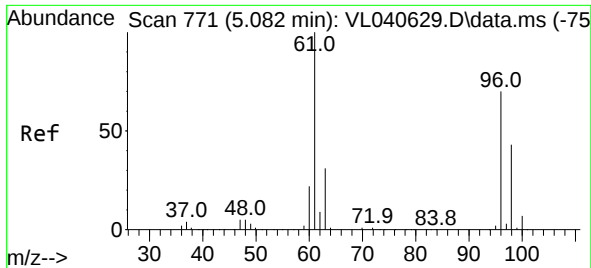
Ion Ratio Lower Upper

84 100

56 220.3 105.4 158.2#

41 146.2 64.2 96.2#



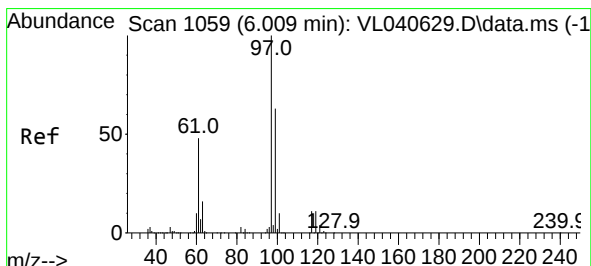
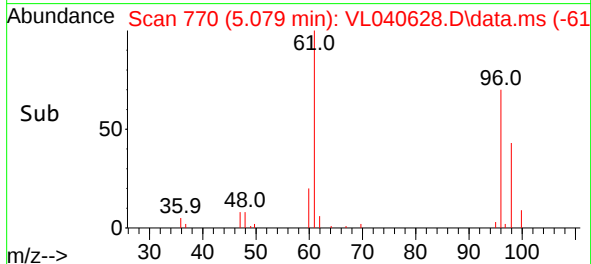
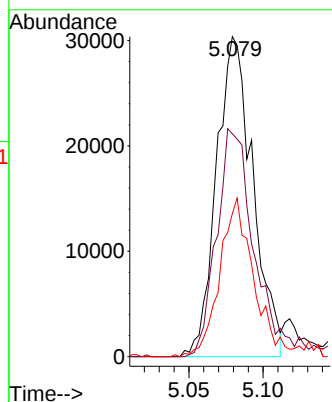
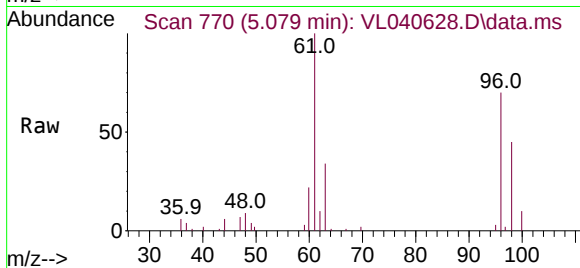


#31
 cis-1,2-Dichloroethene
 Concen: 0.488 ppbv
 RT: 5.079 min Scan# 771
 Delta R.T. -0.003 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 61 Resp: 51853

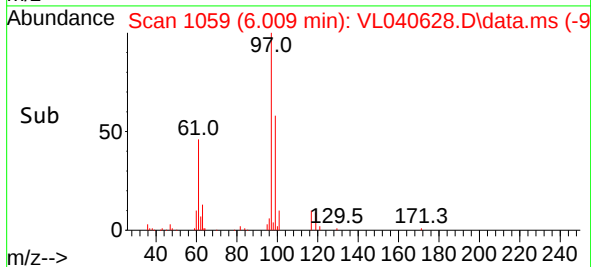
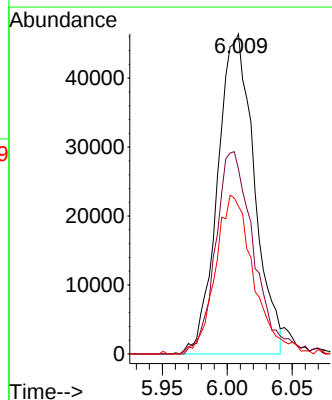
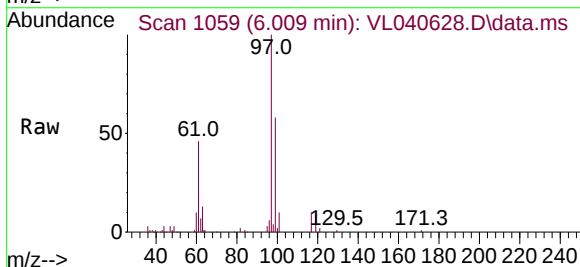
Ion	Ratio	Lower	Upper
61	100		
96	69.6	55.8	83.6
98	44.8	34.8	52.2



#32
 1,1,1-Trichloroethane
 Concen: 0.510 ppbv
 RT: 6.009 min Scan# 1059
 Delta R.T. 0.000 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

Tgt Ion: 97 Resp: 91135

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.2	76.8
61	52.3	39.7	59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

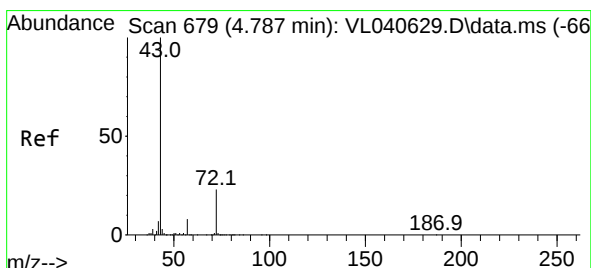
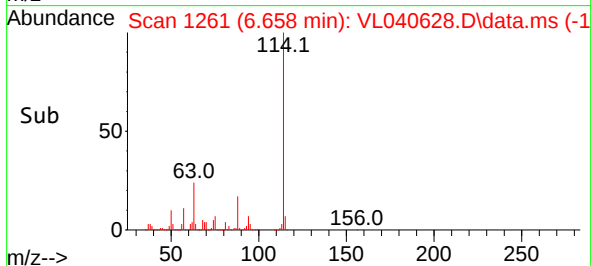
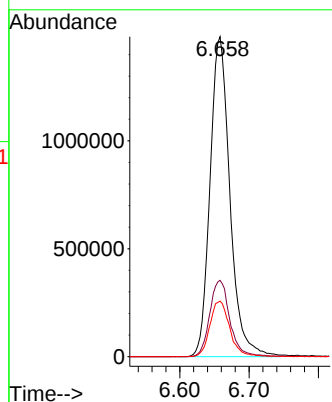
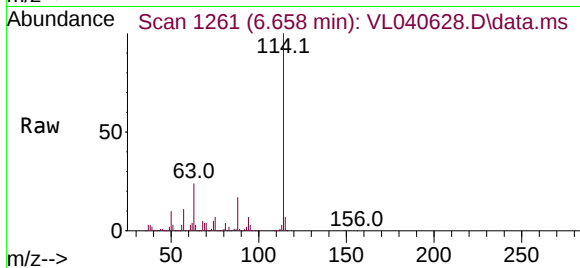
Tgt Ion:114 Resp: 2951698

Ion Ratio Lower Upper

114 100

63 24.4 20.2 30.2

88 17.6 14.1 21.1



#34

2-Butanone

Concen: 0.502 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.016 min

Lab File: VL040628.D

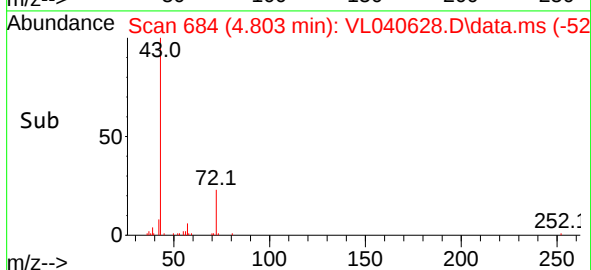
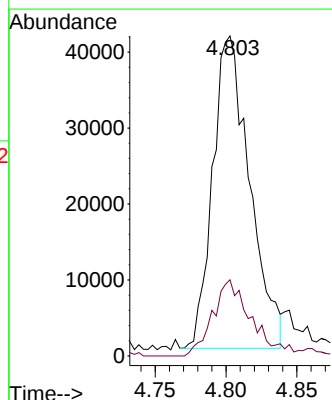
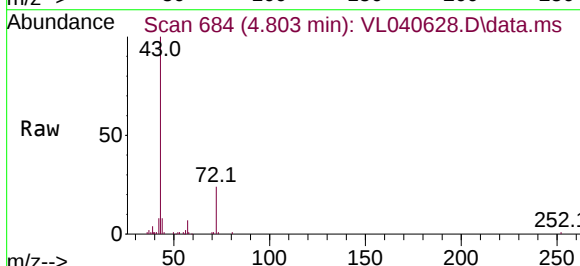
Acq: 15 Aug 2023 9:37

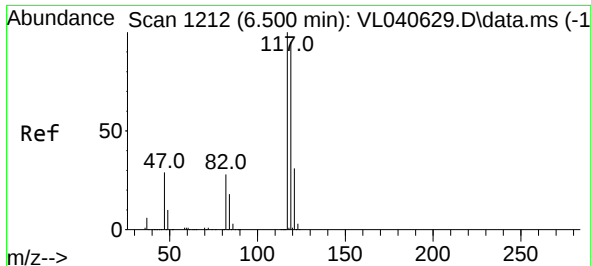
Tgt Ion: 43 Resp: 74679

Ion Ratio Lower Upper

43 100

72 26.7 19.2 28.8

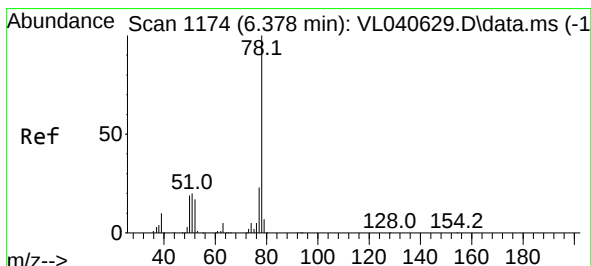
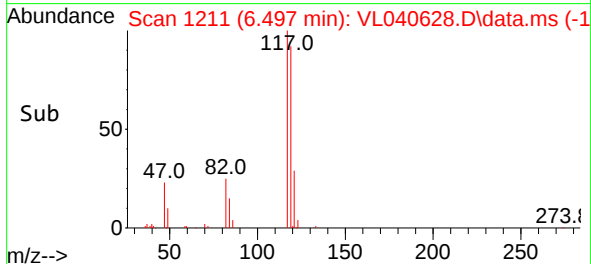
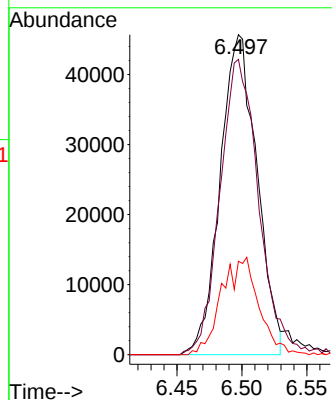
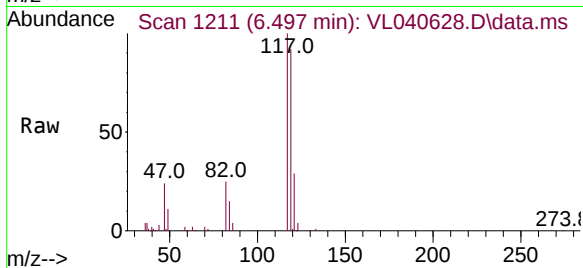




#35
Carbon Tetrachloride
Concen: 0.486 ppbv
RT: 6.497 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

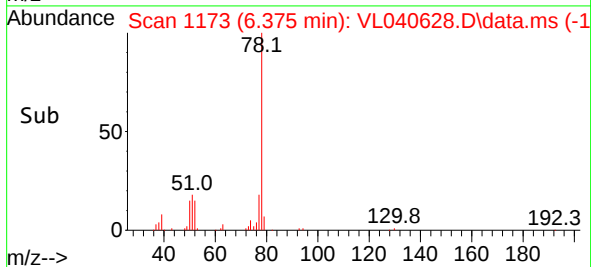
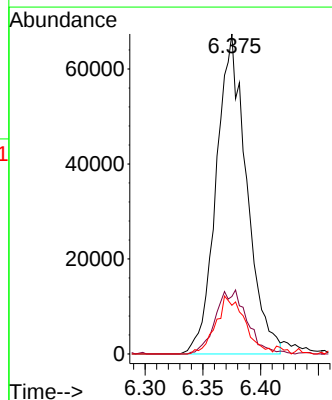
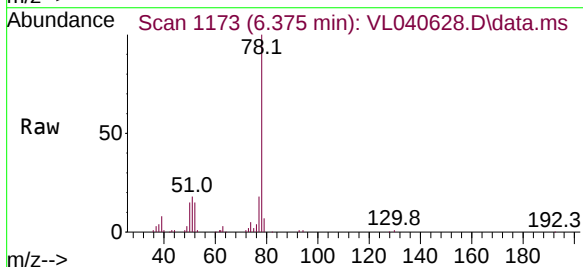
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

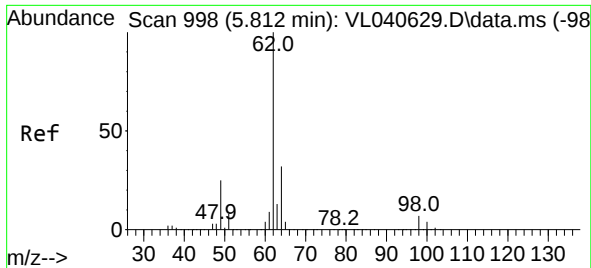
Tgt Ion:117 Resp: 89926
Ion Ratio Lower Upper
117 100
119 92.3 75.6 113.4
121 29.2 24.9 37.3



#36
Benzene
Concen: 0.524 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 78 Resp: 123082
Ion Ratio Lower Upper
78 100
77 18.0 18.2 27.2#
50 14.7 15.0 22.6#

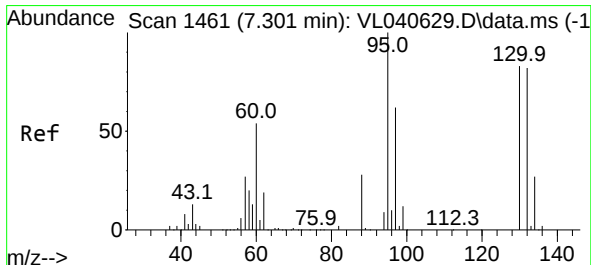
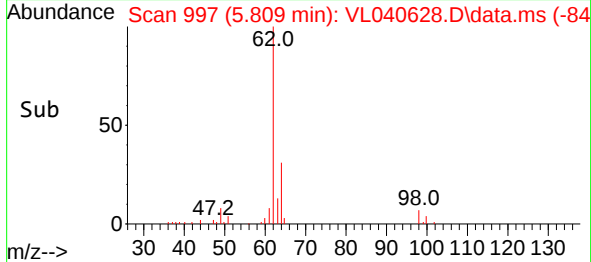
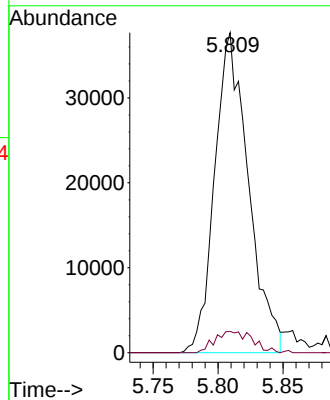
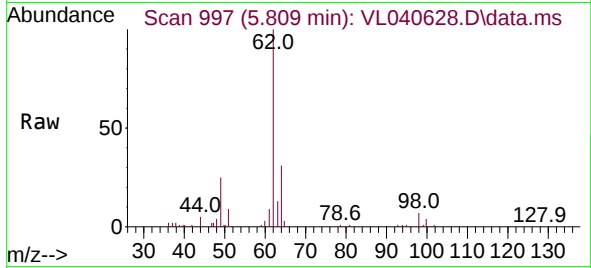




#37
1,2-Dichloroethane
Concen: 0.479 ppbv
RT: 5.809 min Scan# 998
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

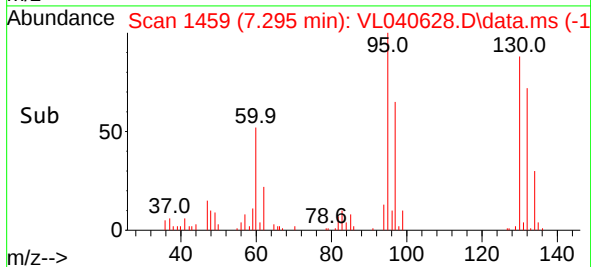
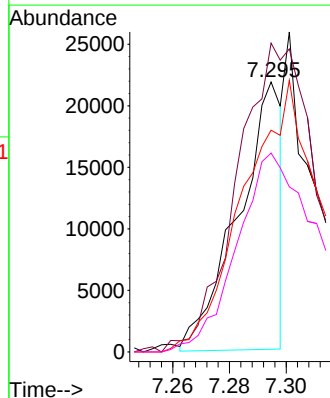
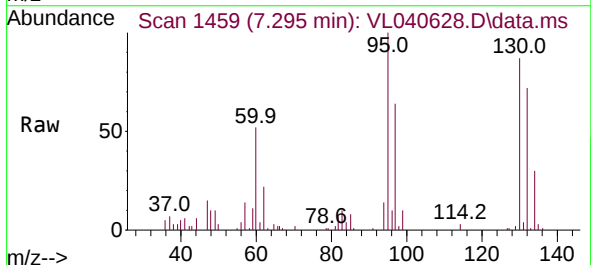
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

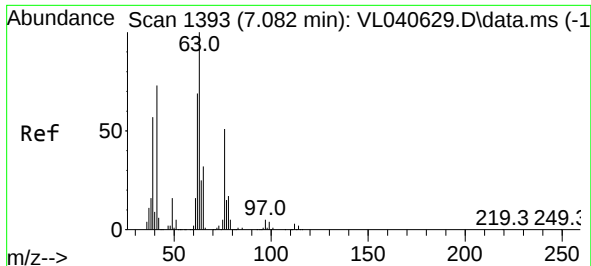
Tgt Ion: 62 Resp: 67834
Ion Ratio Lower Upper
62 100
98 7.6 4.9 7.3#



#38
Trichloroethene
Concen: 0.255 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion:130 Resp: 23241
Ion Ratio Lower Upper
130 100
95 112.5 95.9 143.9
132 79.6 79.0 118.4
97 72.2 59.6 89.4





#39

1,2-Dichloropropane

Concen: 0.514 ppbv

RT: 7.073 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

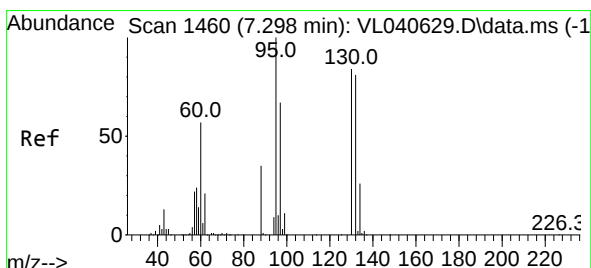
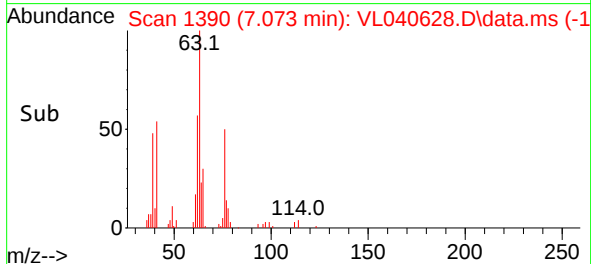
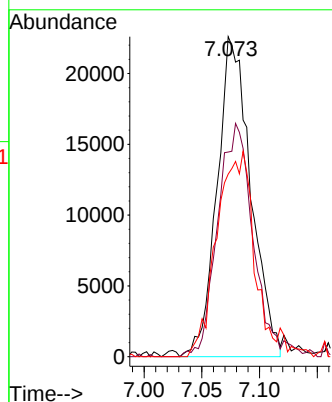
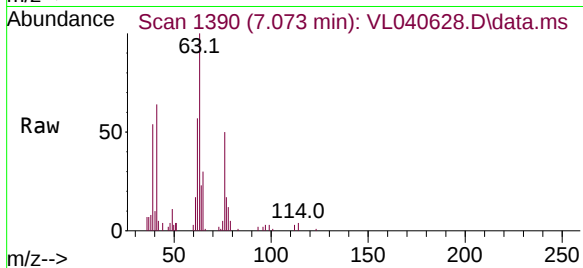
Tgt Ion: 63 Resp: 45885

Ion Ratio Lower Upper

63 100

41 64.0 58.2 87.2

62 57.1 55.0 82.4



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. -0.010 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Tgt Ion: 88 Resp: 92

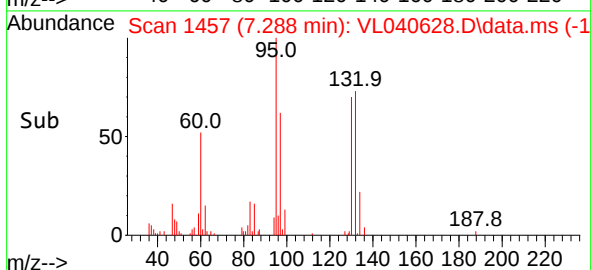
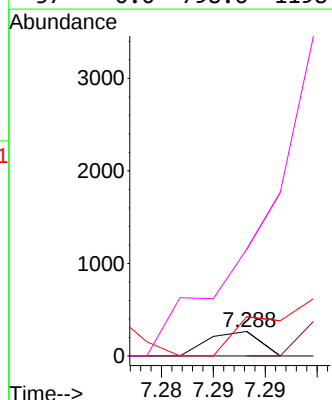
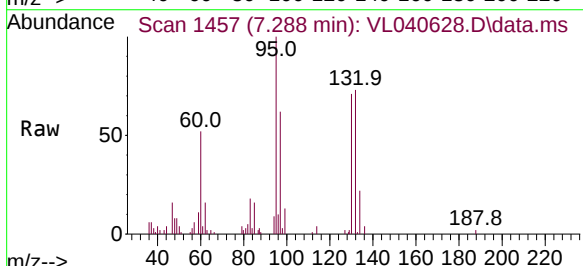
Ion Ratio Lower Upper

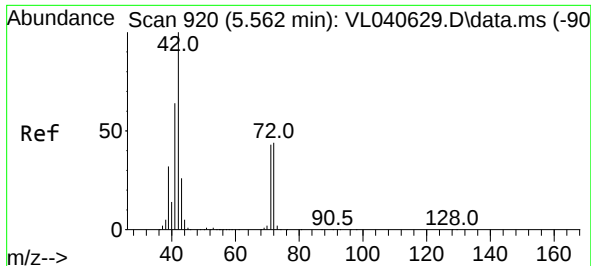
88 100

58 0.0 92.8 139.2#

43 0.0 179.1 268.7#

57 0.0 798.6 1198.0#





#41

Tetrahydrofuran

Concen: 0.206 ppbv

RT: 5.581 min Scan# 91

Delta R.T. 0.019 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

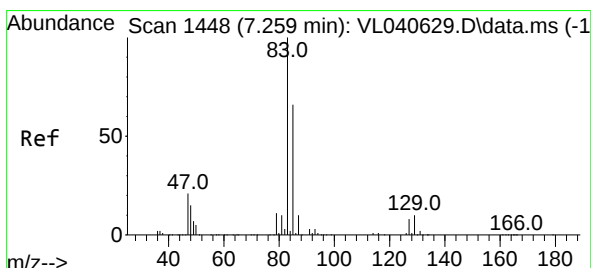
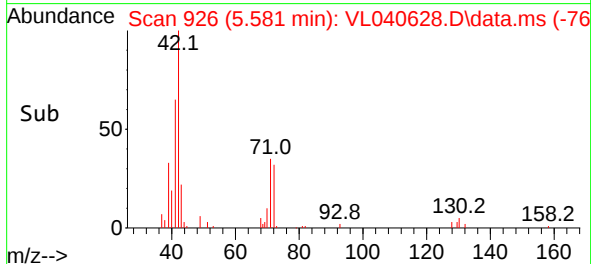
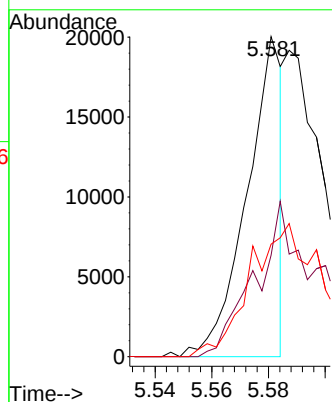
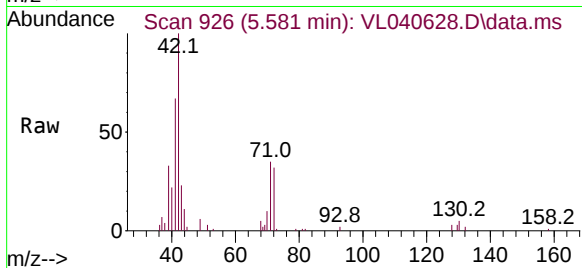
Tgt Ion: 42 Resp: 17250

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 33.4 50.0#



#42

Bromodichloromethane

Concen: 0.465 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. -0.006 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

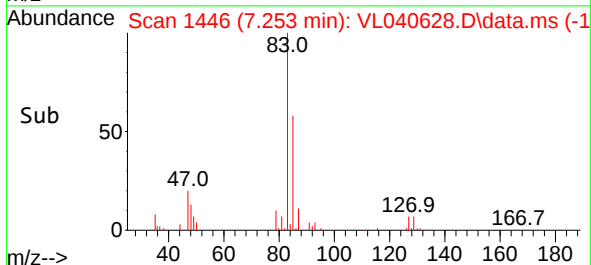
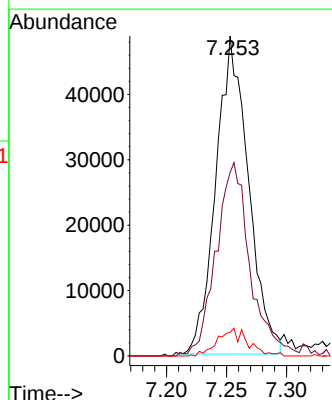
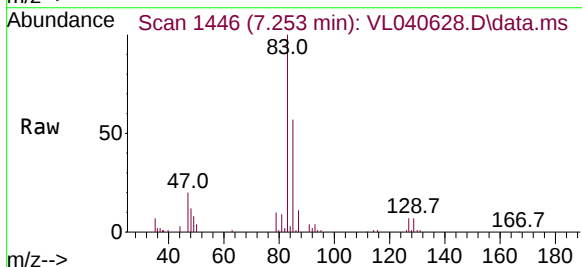
Tgt Ion: 83 Resp: 91645

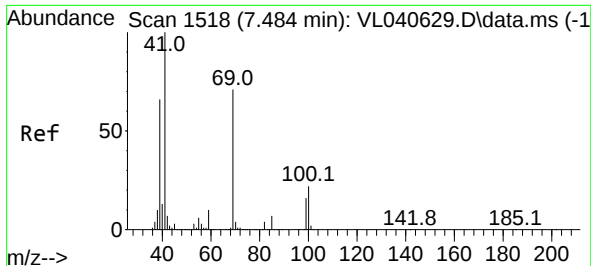
Ion Ratio Lower Upper

83 100

85 56.6 52.5 78.7

127 7.4 6.1 9.1

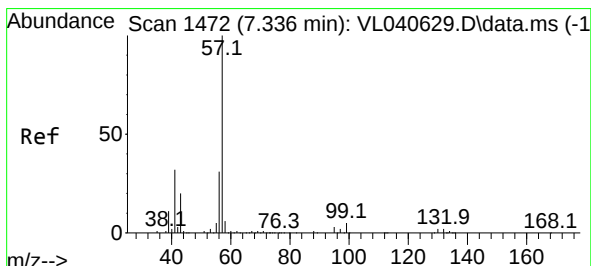
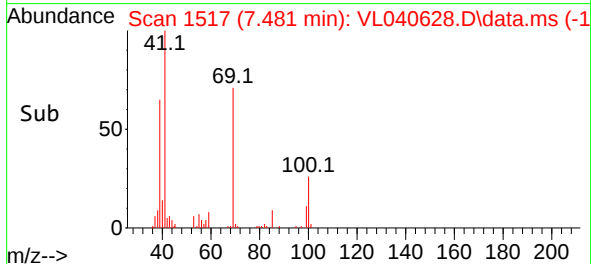
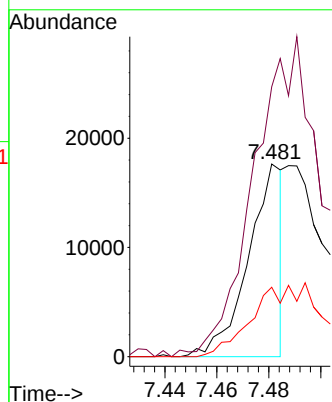
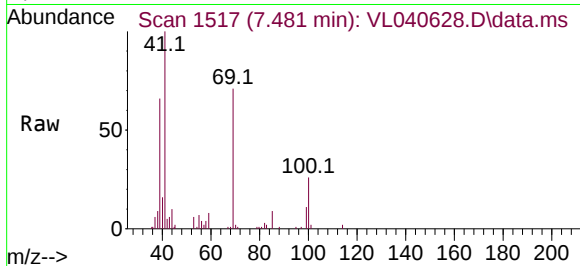




#43
Methyl Methacrylate
Concen: 0.182 ppbv
RT: 7.481 min Scan# 1517
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

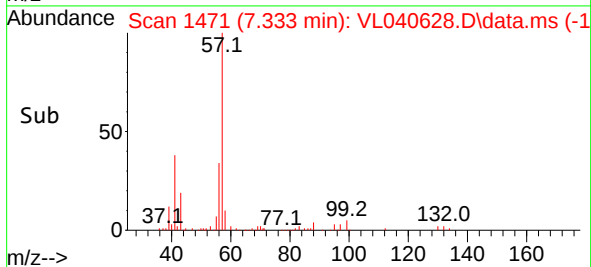
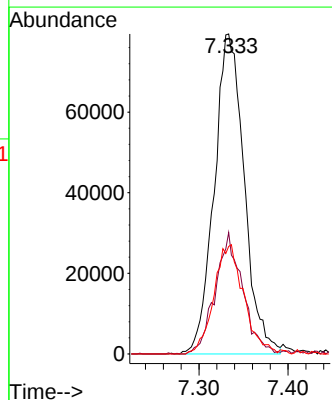
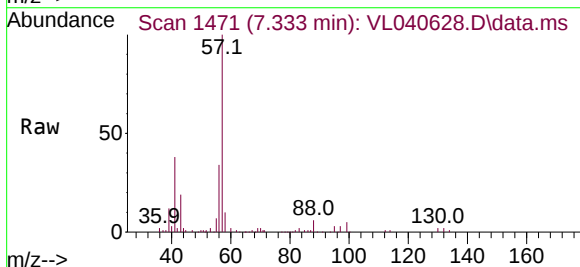
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

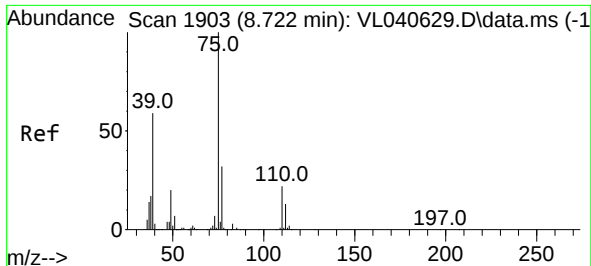
Tgt Ion: 69 Resp: 16001
Ion Ratio Lower Upper
69 100
41 0.0 111.8 167.8#
100 0.0 25.8 38.6#



#44
2,2,4-Trimethylpentane
Concen: 0.489 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 57 Resp: 185727
Ion Ratio Lower Upper
57 100
41 35.1 26.2 39.4
56 34.7 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 0.205 ppbv

RT: 8.719 min Scan# 1903

Delta R.T. -0.003 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

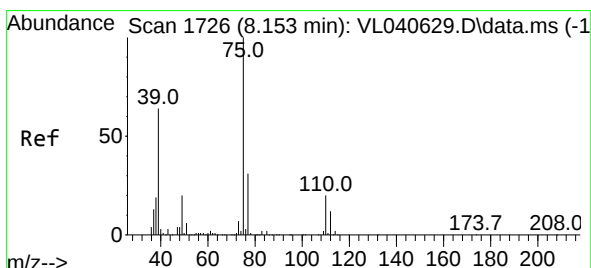
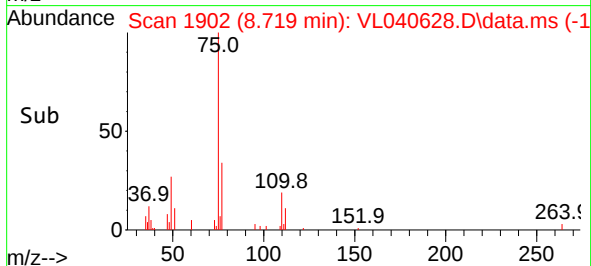
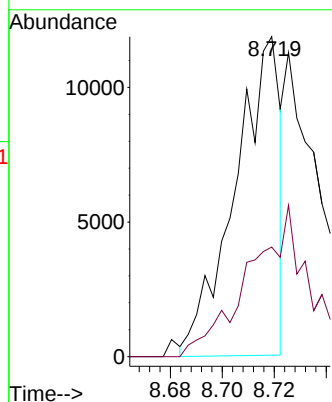
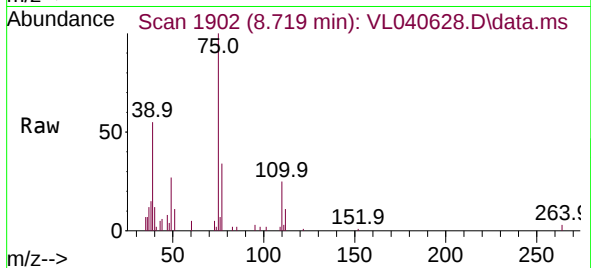
VSTDICC0.5

Tgt Ion: 75 Resp: 14228

Ion Ratio Lower Upper

75 100

77 34.2 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.412 ppbv

RT: 8.150 min Scan# 1725

Delta R.T. -0.003 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

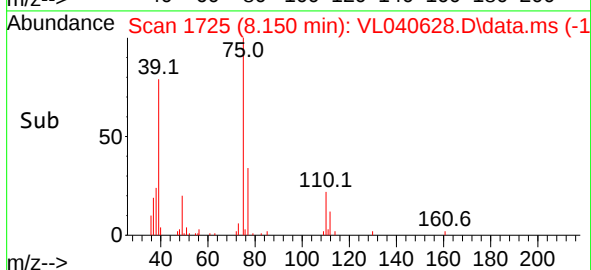
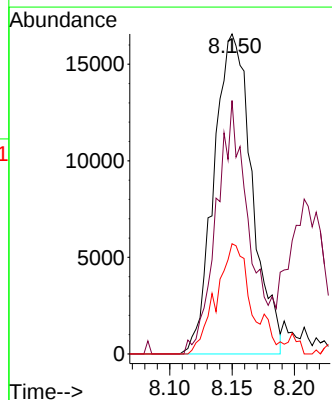
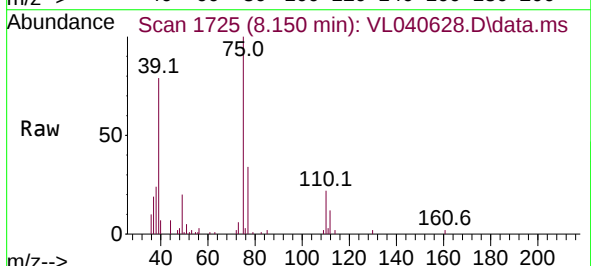
Tgt Ion: 75 Resp: 35214

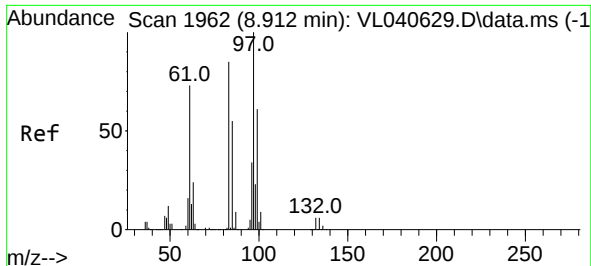
Ion Ratio Lower Upper

75 100

39 79.2 51.0 76.4#

77 34.5 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 0.472 ppbv

RT: 8.909 min Scan# 1961

Delta R.T. -0.003 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 47622

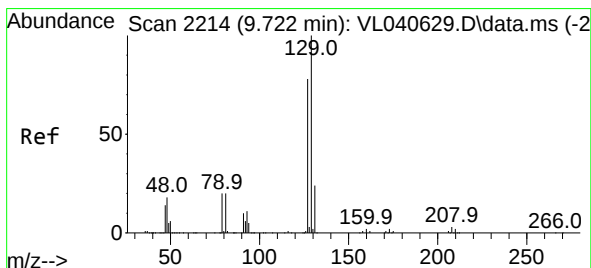
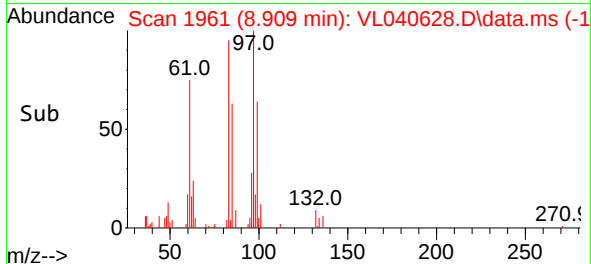
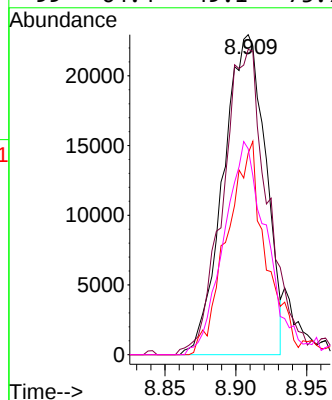
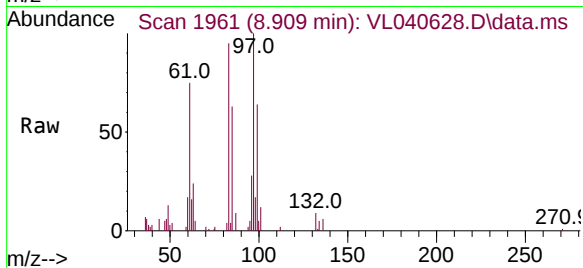
Ion Ratio Lower Upper

97 100

83 93.8 67.8 101.8

85 62.9 44.0 66.0

99 64.4 49.1 73.7



#48

Dibromochloromethane

Concen: 0.416 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. -0.006 min

Lab File: VL040628.D

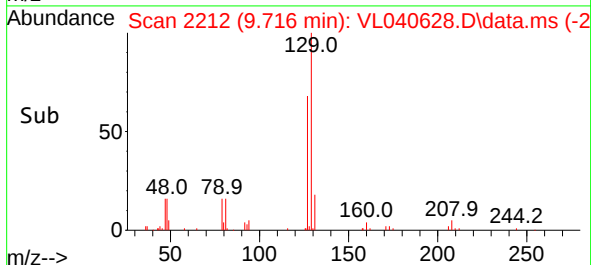
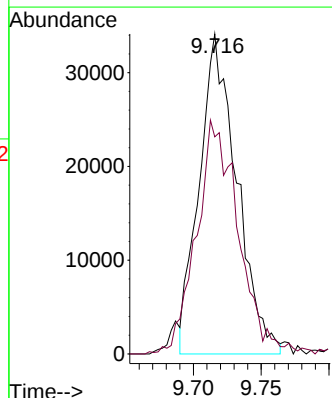
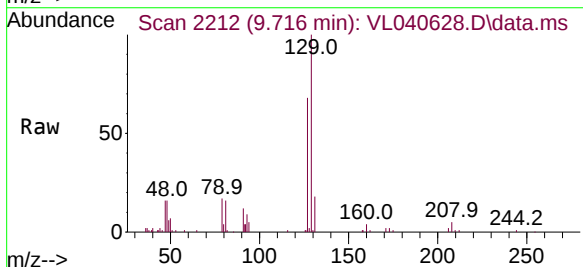
Acq: 15 Aug 2023 9:37

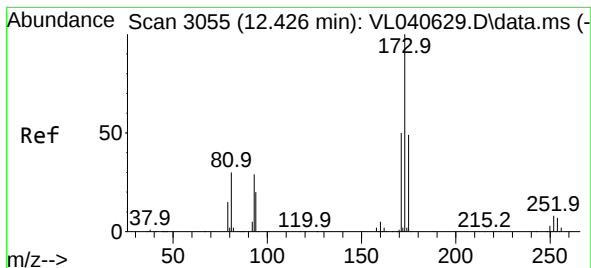
Tgt Ion: 129 Resp: 65669

Ion Ratio Lower Upper

129 100

127 82.0 38.9 116.7





#49

Bromoform

Concen: 0.161 ppbv

RT: 12.423 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

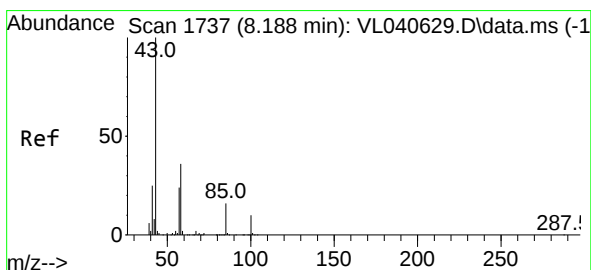
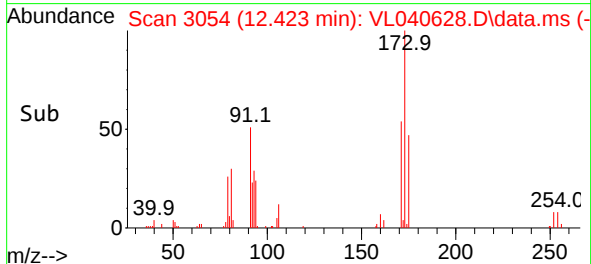
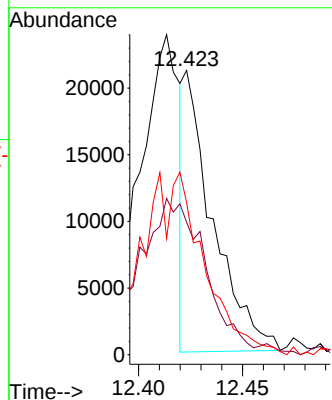
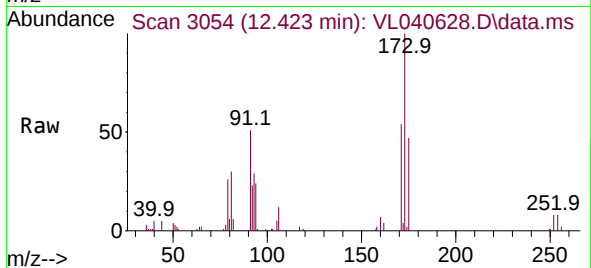
Tgt Ion:173 Resp: 20368

Ion Ratio Lower Upper

173 100

175 0.0 39.0 58.6#

171 140.9 41.9 62.9#



#50

4-Methyl-2-Pentanone

Concen: 0.425 ppbv

RT: 8.211 min Scan# 1744

Delta R.T. 0.023 min

Lab File: VL040628.D

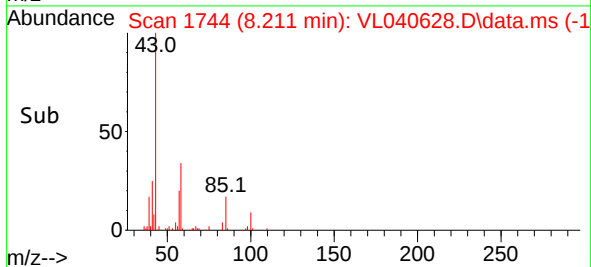
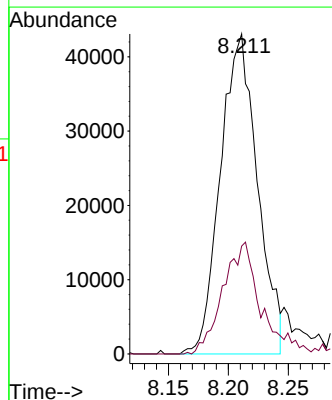
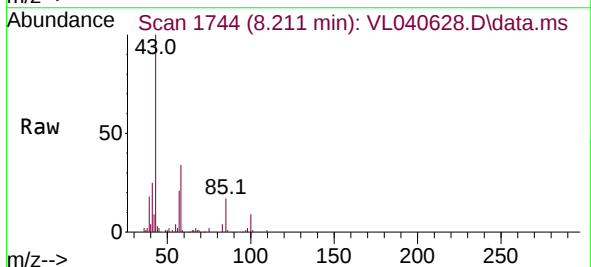
Acq: 15 Aug 2023 9:37

Tgt Ion: 43 Resp: 92567

Ion Ratio Lower Upper

43 100

58 36.8 29.2 43.8

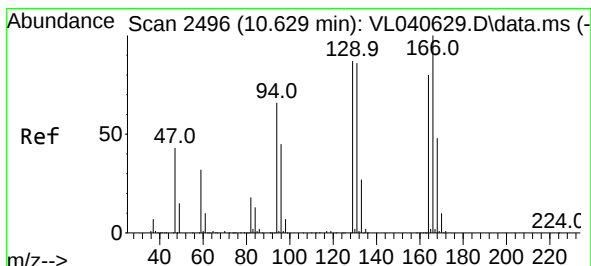
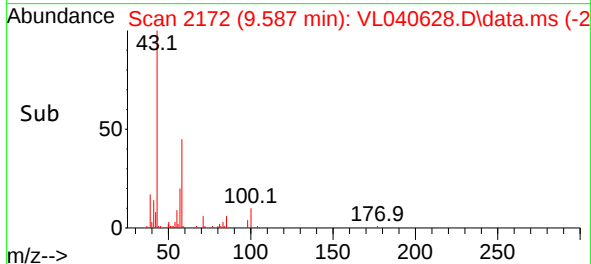
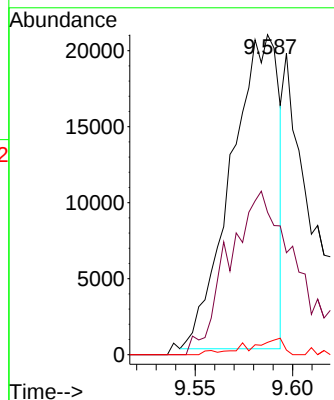
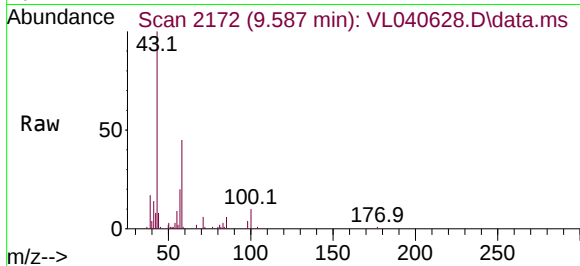




#51
2-Hexanone
Concen: 0.230 ppbv
RT: 9.587 min Scan# 2165
Delta R.T. 0.023 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

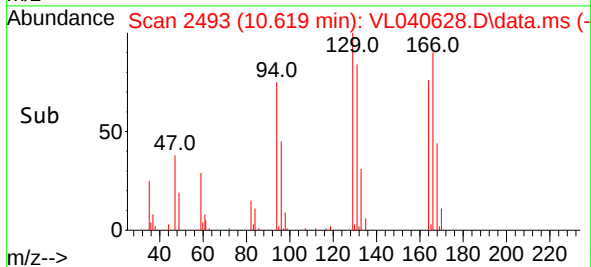
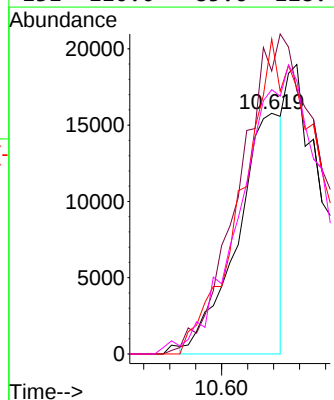
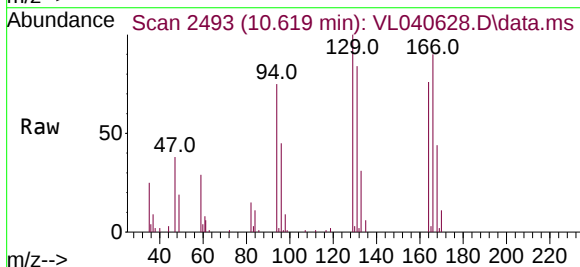
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

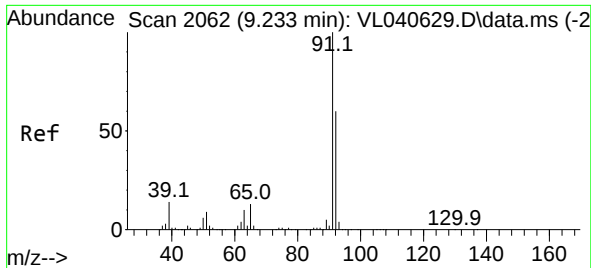
Tgt Ion: 43 Resp: 35079
Ion Ratio Lower Upper
43 100
58 88.4 39.4 59.2#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.255 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. -0.010 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 164 Resp: 18756
Ion Ratio Lower Upper
164 100
166 118.6 99.5 149.3
129 135.1 86.9 130.3#
131 110.0 85.6 128.4

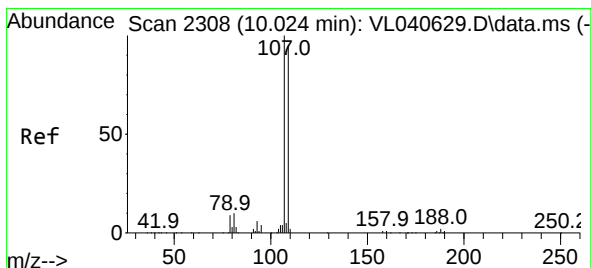
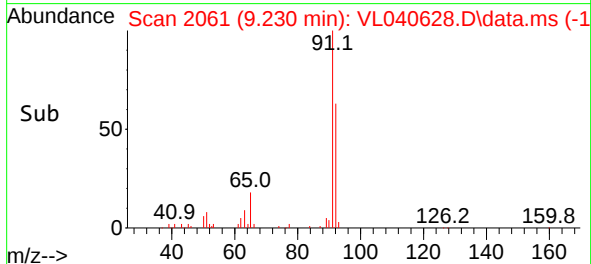
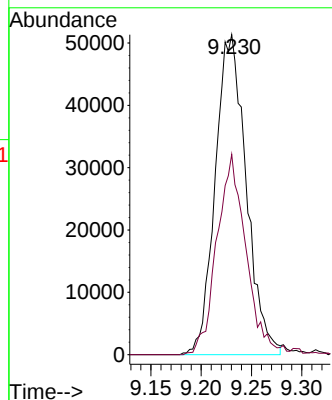
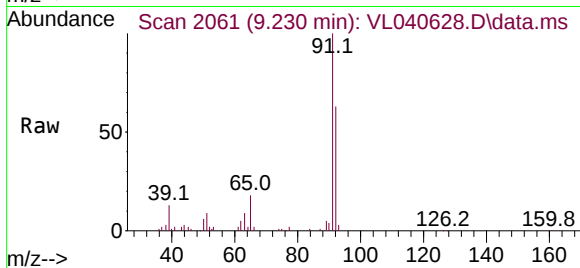




#53
Toluene
Concen: 0.440 ppbv
RT: 9.230 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

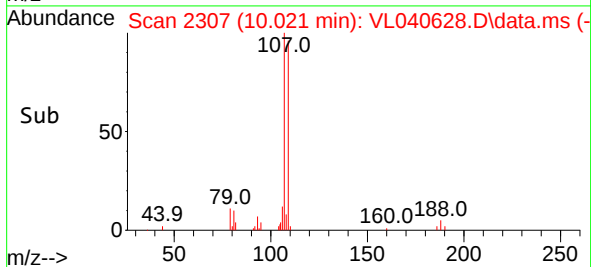
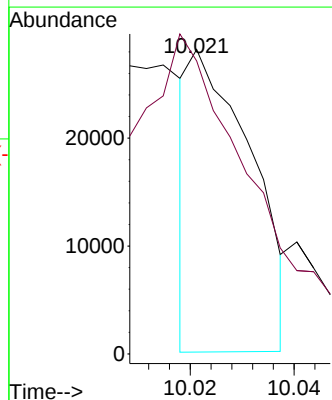
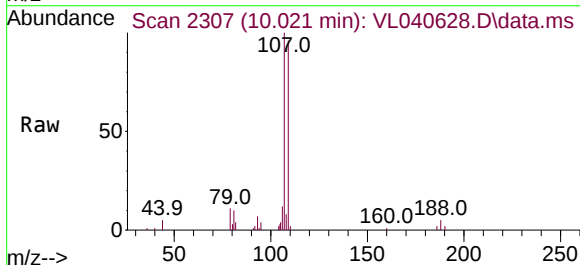
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

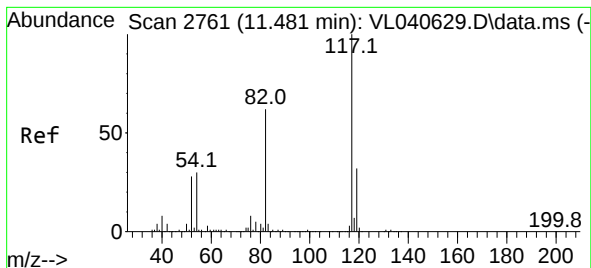
Tgt Ion: 91 Resp: 109784
Ion Ratio Lower Upper
91 100
92 59.7 48.0 72.0



#54
1,2-Dibromoethane
Concen: 0.191 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 107 Resp: 23100
Ion Ratio Lower Upper
107 100
109 91.0 75.7 113.5

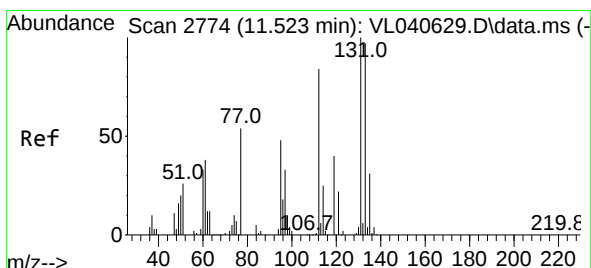
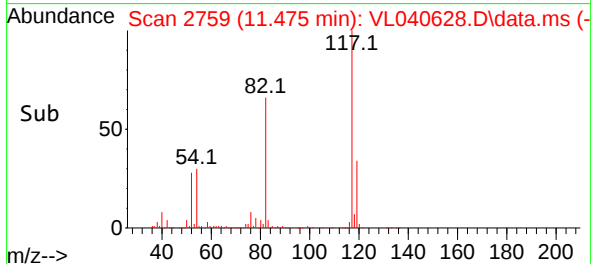
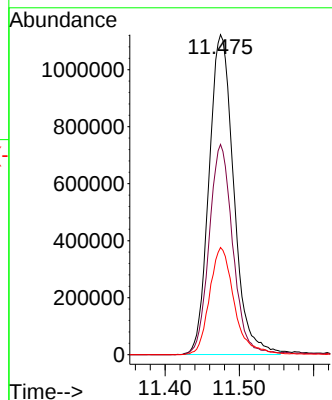
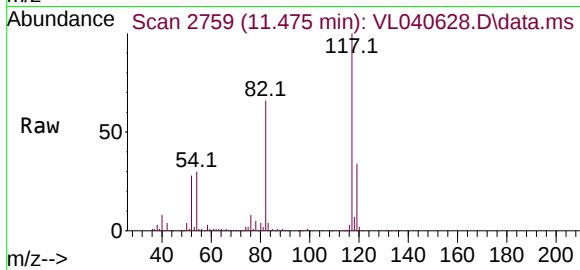




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. -0.006 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

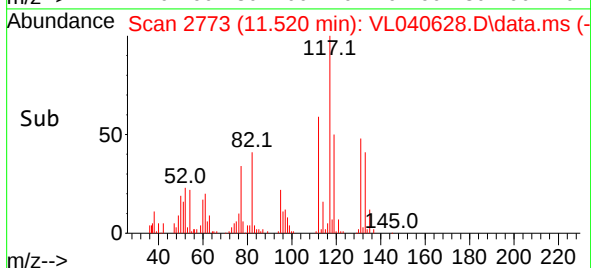
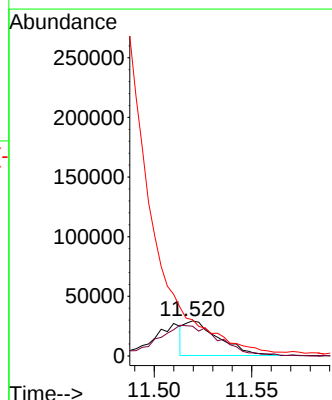
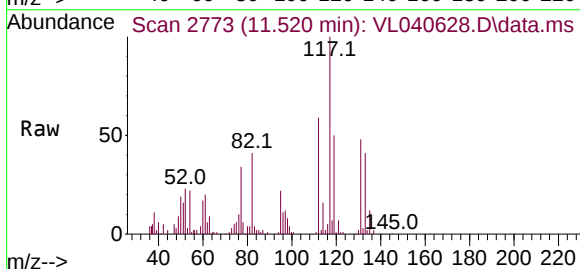
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

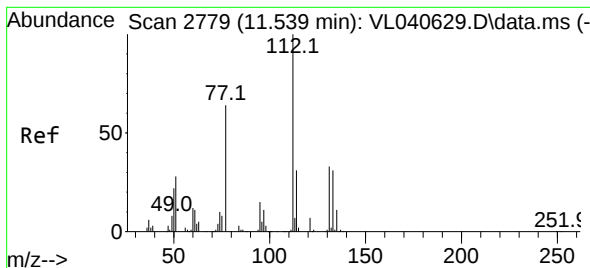
Tgt Ion:117 Resp: 2597211
Ion Ratio Lower Upper
117 100
82 63.7 49.5 74.3
119 33.9 24.5 36.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.295 ppbv
RT: 11.520 min Scan# 2773
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion:131 Resp: 35436
Ion Ratio Lower Upper
131 100
133 0.0 75.4 113.0#
119 0.0 51.0 76.6#

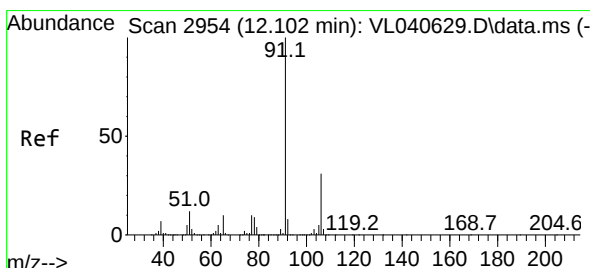
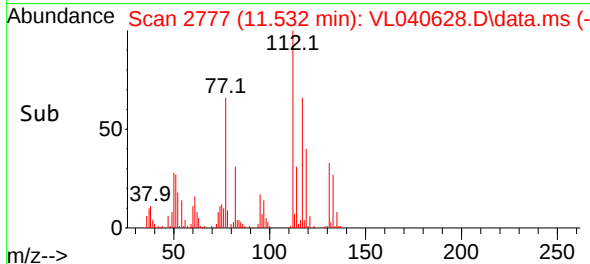
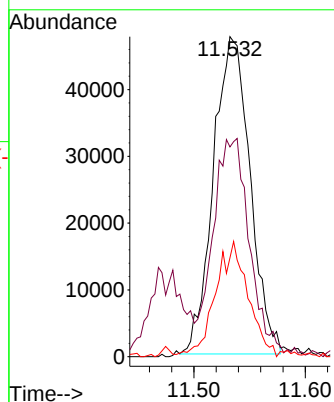
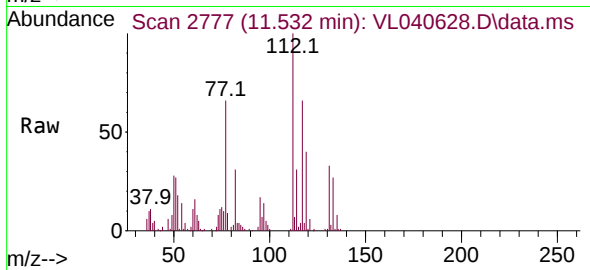




#57
Chlorobenzene
Concen: 0.543 ppbv
RT: 11.532 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

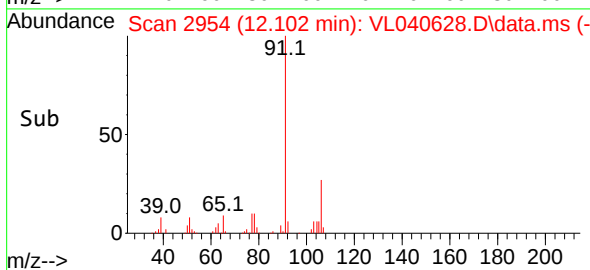
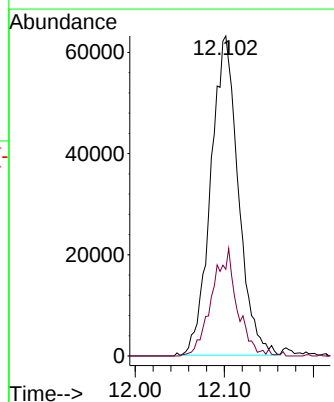
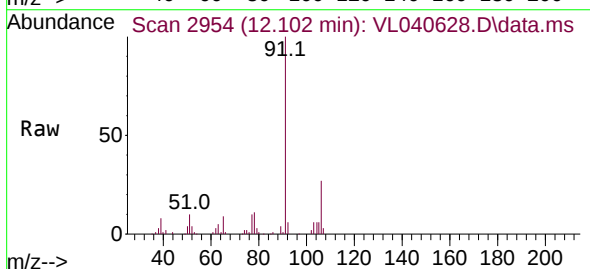
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

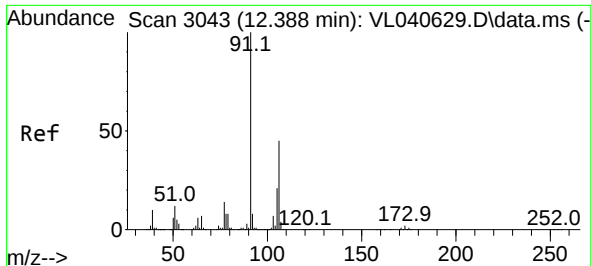
Tgt Ion:112 Resp: 108805
Ion Ratio Lower Upper
112 100
77 62.6 52.5 78.7
114 30.0 27.8 34.0



#58
Ethyl Benzene
Concen: 0.433 ppbv
RT: 12.102 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 91 Resp: 135635
Ion Ratio Lower Upper
91 100
106 27.2 24.6 36.8





#59

m/p-Xylene

Concen: 0.430 ppbv

RT: 12.381 min Scan# 3043

Delta R.T. -0.006 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_1

ClientSampleId :

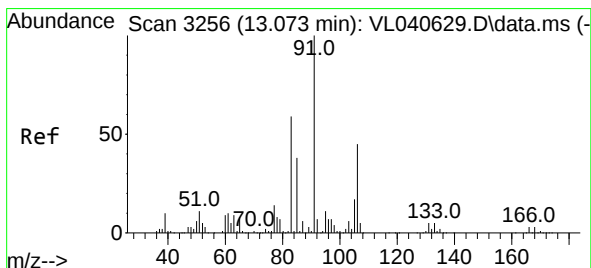
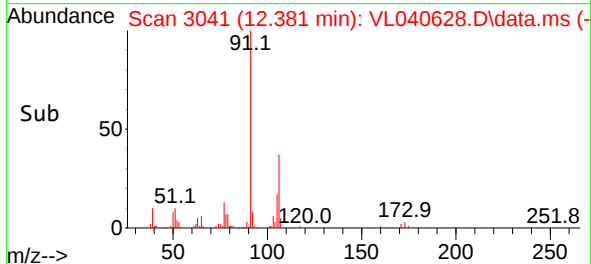
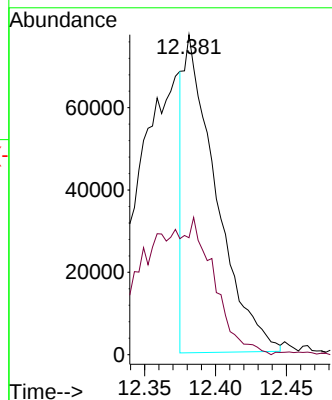
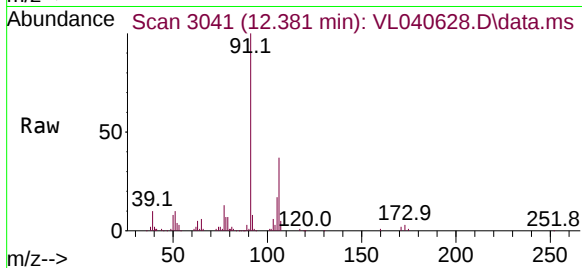
VSTDIC0.5

Tgt Ion: 91 Resp: 122782

Ion Ratio Lower Upper

91 100

106 94.3 35.3 52.9#



#60

o-Xylene

Concen: 0.455 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. -0.003 min

Lab File: VL040628.D

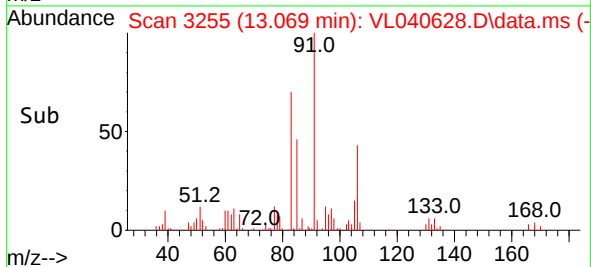
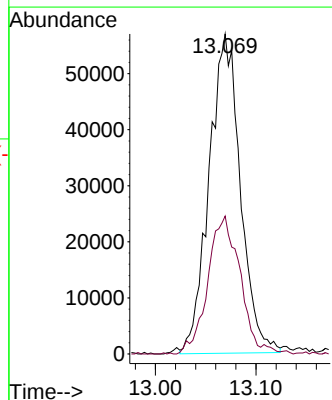
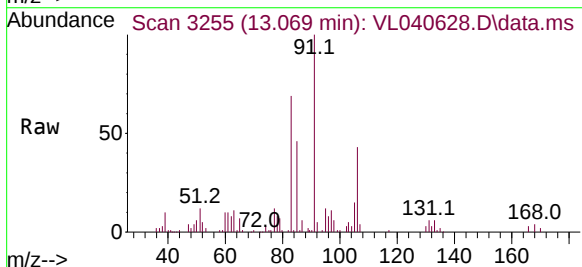
Acq: 15 Aug 2023 9:37

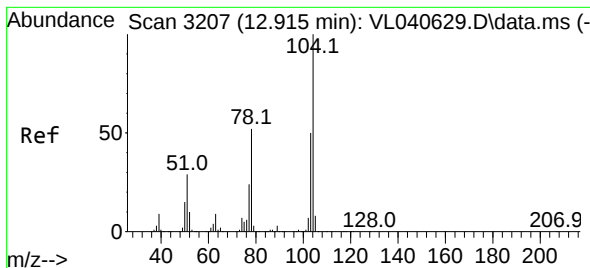
Tgt Ion: 91 Resp: 123084

Ion Ratio Lower Upper

91 100

106 44.9 22.5 67.5





#61

Styrene

Concen: 0.201 ppbv

RT: 12.915 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

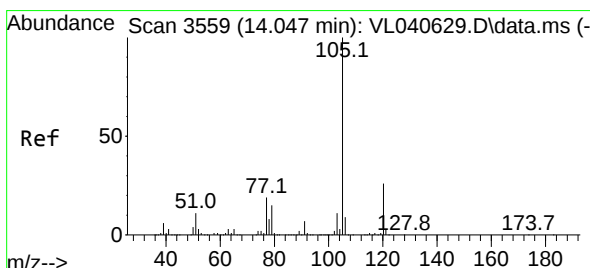
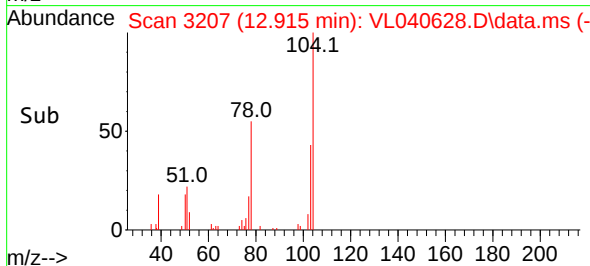
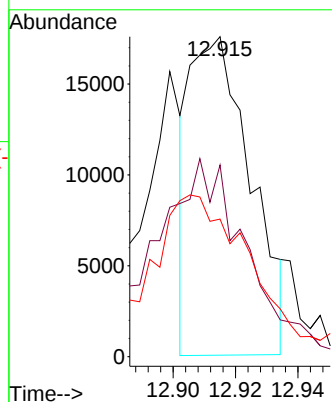
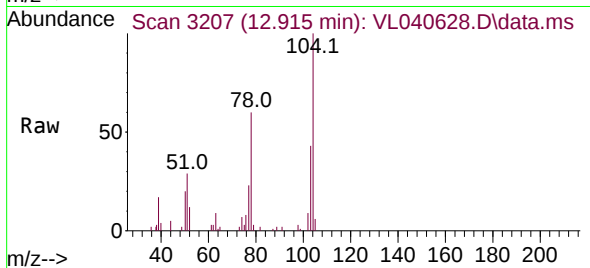
Tgt Ion:104 Resp: 23806

Ion Ratio Lower Upper

104 100

78 96.2 41.0 61.4#

103 89.3 37.3 55.9#



#62

Isopropylbenzene

Concen: 0.268 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. -0.010 min

Lab File: VL040628.D

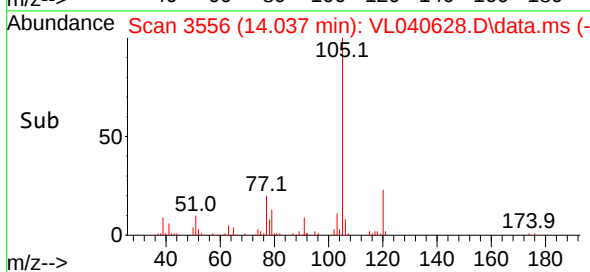
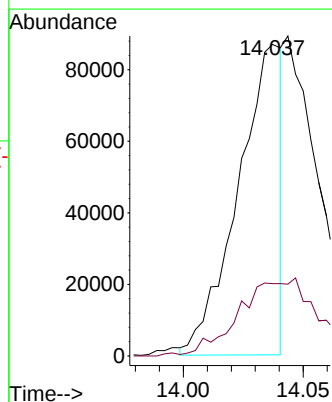
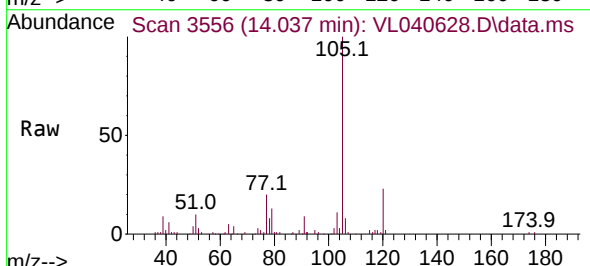
Acq: 15 Aug 2023 9:37

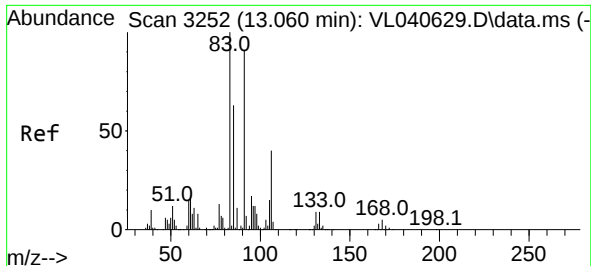
Tgt Ion:105 Resp: 109856

Ion Ratio Lower Upper

105 100

120 0.0 20.3 30.5#

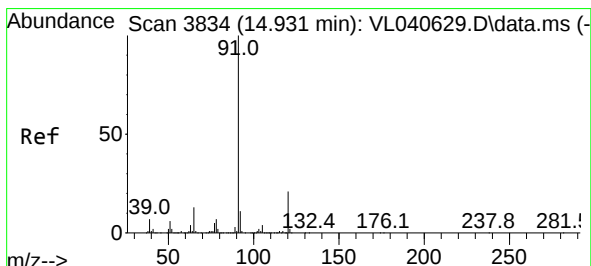
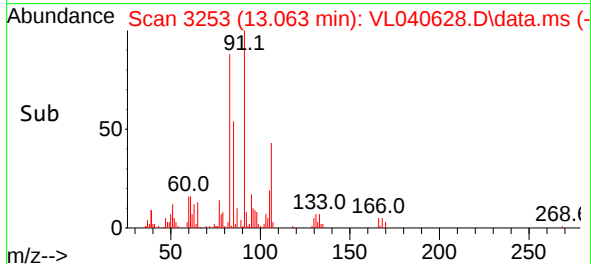
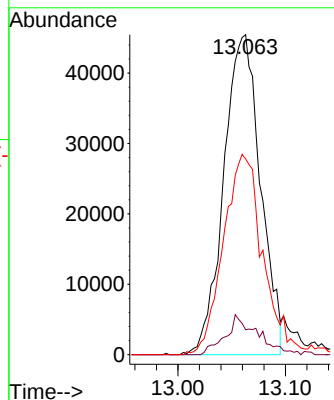
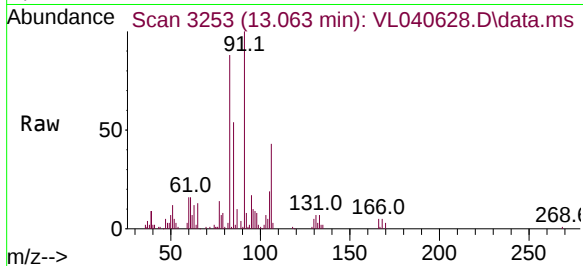




#63
1,1,2,2-Tetrachloroethane
Concen: 0.526 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

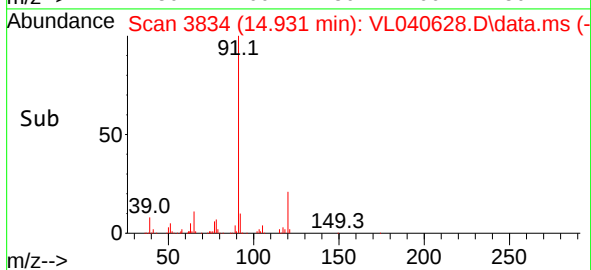
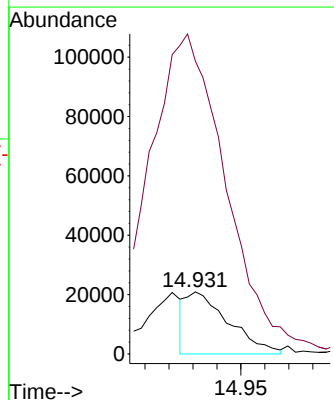
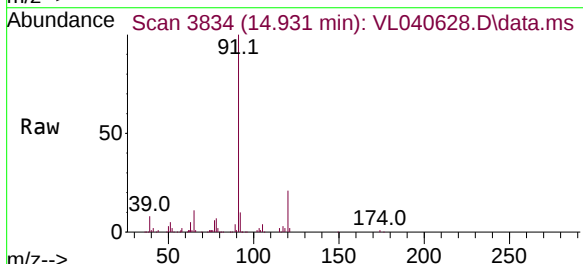
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

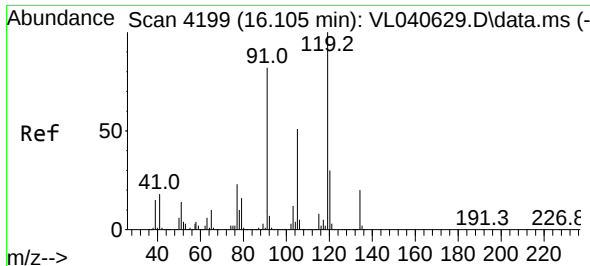
Tgt Ion: 83 Resp: 107867
Ion Ratio Lower Upper
83 100
131 11.1 4.5 13.7
85 68.8 32.4 97.2



#64
n-propylbenzene
Concen: 0.251 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 120 Resp: 25962
Ion Ratio Lower Upper
120 100
91 947.6 387.8 581.8#

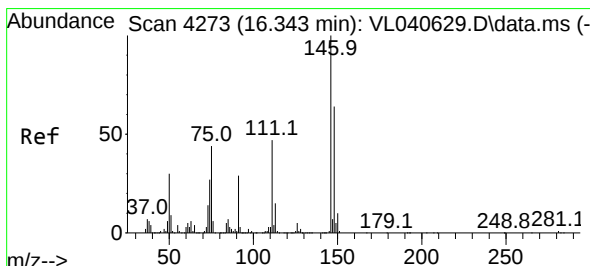
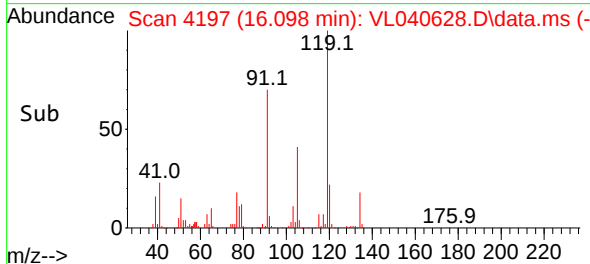
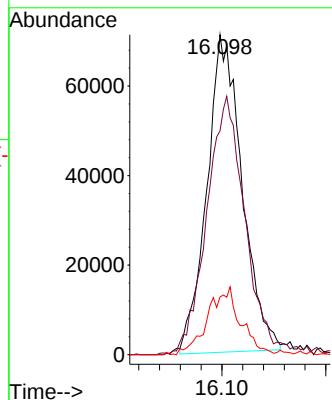
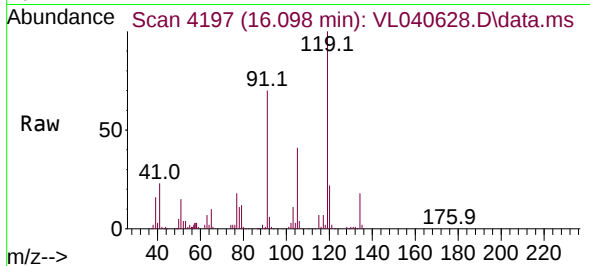




#65
tert-Butylbenzene
Concen: 0.469 ppbv
RT: 16.098 min Scan# 4199
Delta R.T. -0.006 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

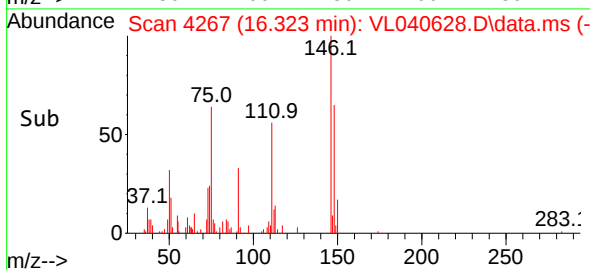
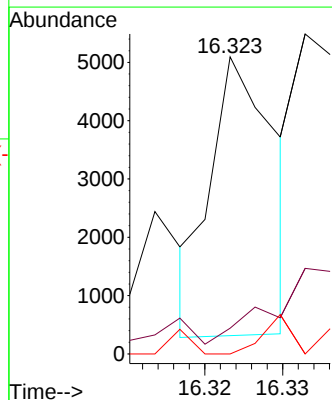
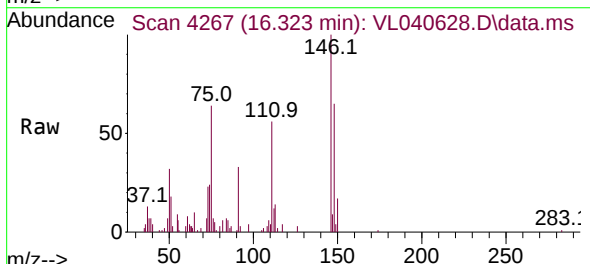
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

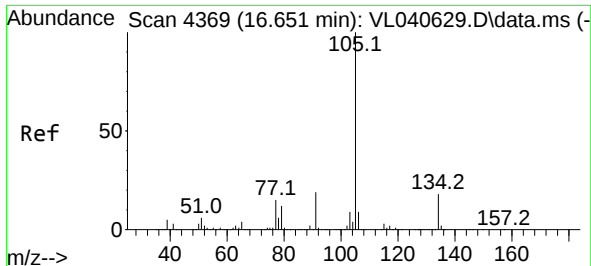
Tgt Ion:	119	Resp:	166710
Ion Ratio	Lower	Upper	
119	100		
91	90.4	67.8	101.6
134	20.7	15.7	23.5



#66
Benzyl Chloride
Concen: 0.061 ppbv
RT: 16.323 min Scan# 4267
Delta R.T. -0.019 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion:	91	Resp:	2720
Ion Ratio	Lower	Upper	
91	100		
126	0.0	13.6	20.4#
128	15.5	4.3	6.5#





#67

sec-Butylbenzene

Concen: 0.485 ppbv

RT: 16.645 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

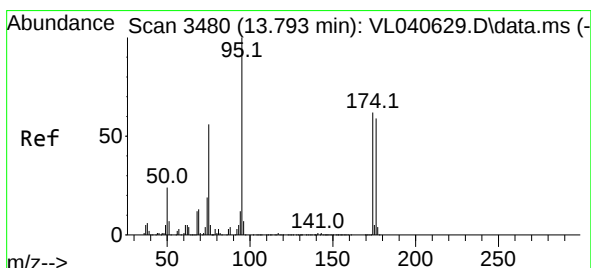
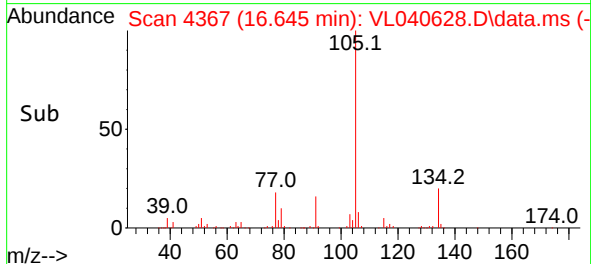
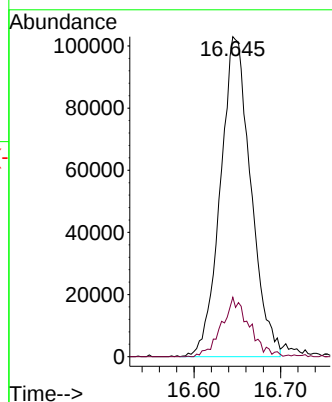
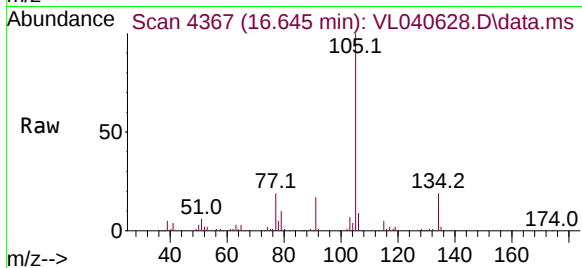
VSTDIC0.5

Tgt Ion:105 Resp: 251323

Ion Ratio Lower Upper

105 100

134 17.2 13.8 20.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.751 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. -0.010 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

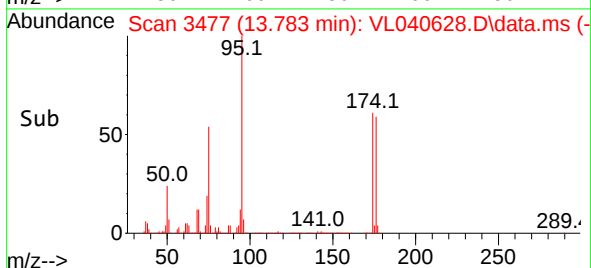
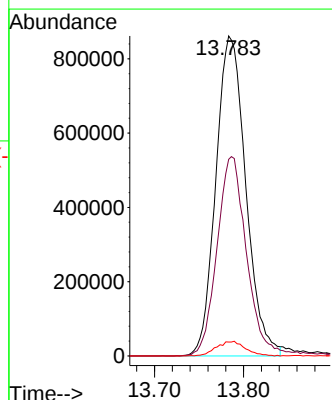
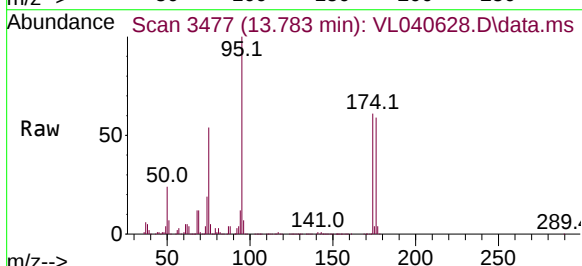
Tgt Ion: 95 Resp: 2014034

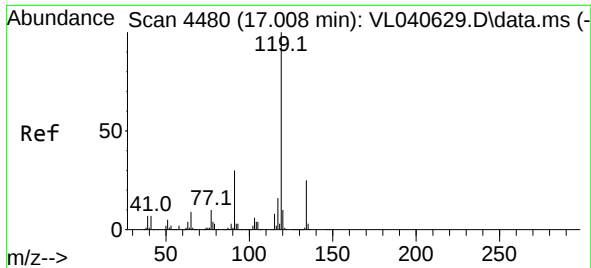
Ion Ratio Lower Upper

95 100

174 62.1 49.1 73.7

175 4.5 3.7 5.5

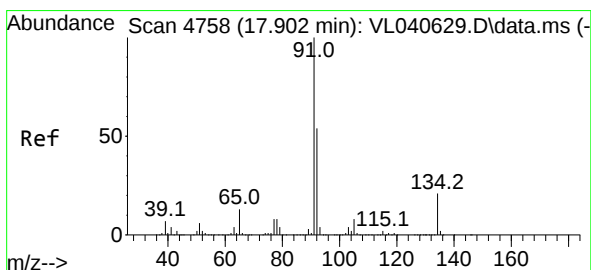
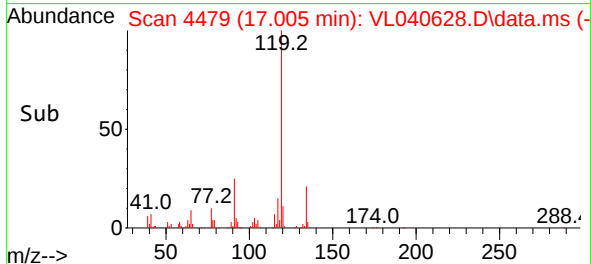
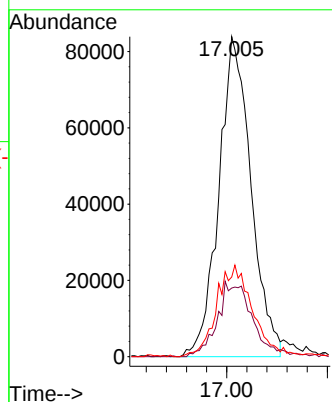
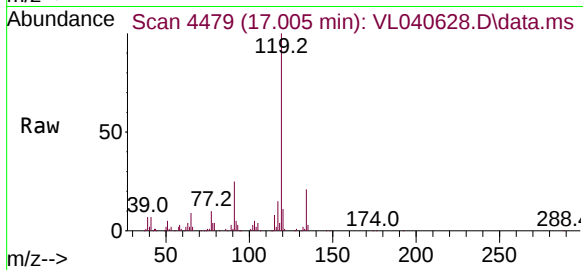




#69
 p-Isopropyltoluene
 Concen: 0.459 ppbv
 RT: 17.005 min Scan# 4480
 Delta R.T. -0.003 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

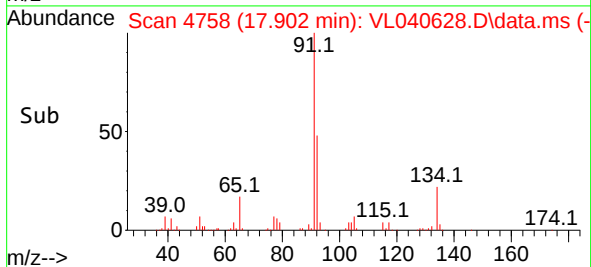
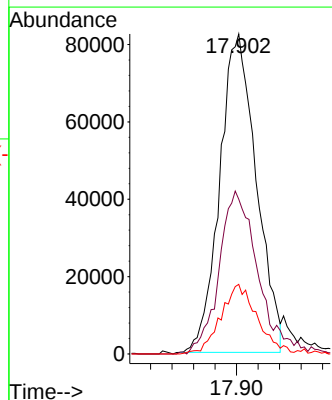
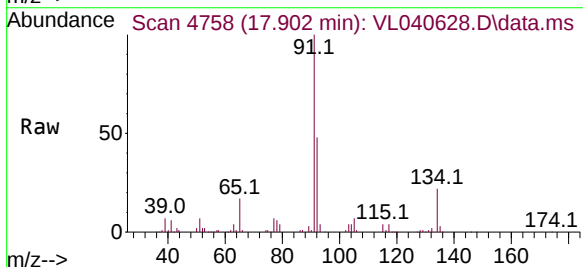
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

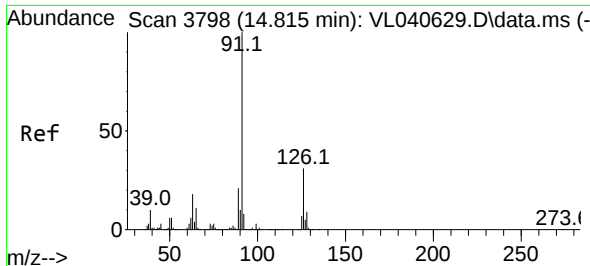
Tgt Ion:119 Resp: 186245
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.2 30.4
 91 32.6 24.2 36.4



#70
 n-Butylbenzene
 Concen: 0.440 ppbv
 RT: 17.902 min Scan# 4758
 Delta R.T. 0.000 min
 Lab File: VL040628.D
 Acq: 15 Aug 2023 9:37

Tgt Ion: 91 Resp: 194799
 Ion Ratio Lower Upper
 91 100
 92 55.1 42.9 64.3
 134 22.2 17.0 25.6

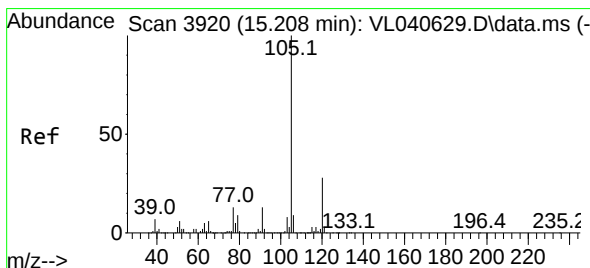
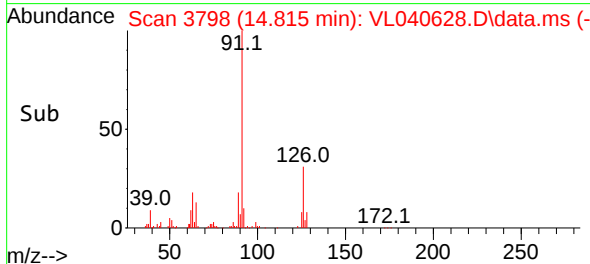
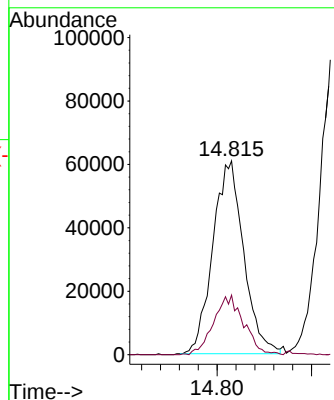
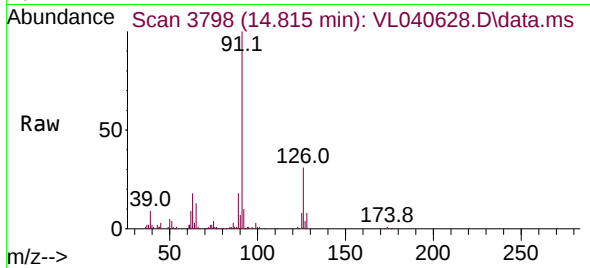




#71
2-Chlorotoluene
Concen: 0.453 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

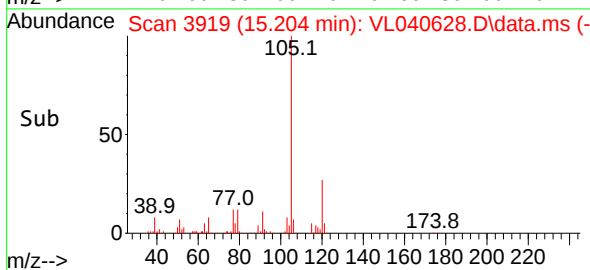
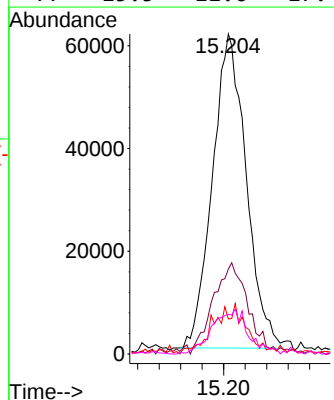
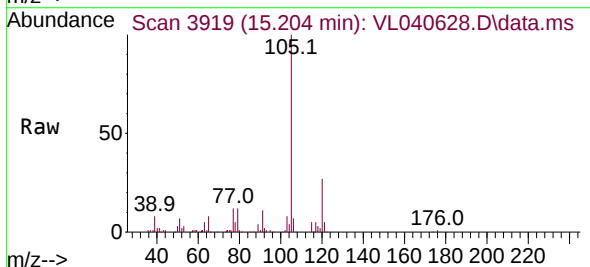
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

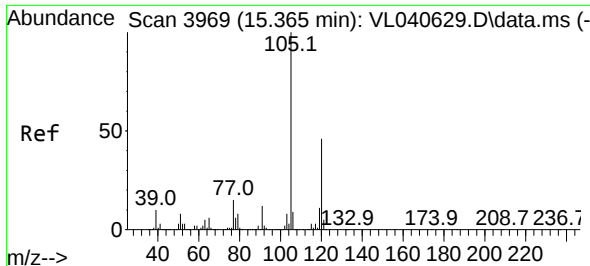
Tgt Ion: 91 Resp: 137680
Ion Ratio Lower Upper
91 100
126 30.0 12.2 49.0



#72
4-Ethyltoluene
Concen: 0.435 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion: 105 Resp: 133092
Ion Ratio Lower Upper
105 100
120 31.5 23.0 34.6
91 16.7 10.9 16.3#
77 15.5 11.6 17.4

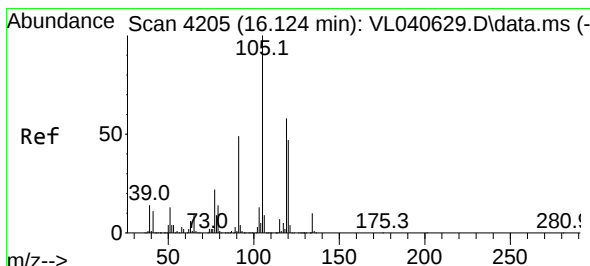
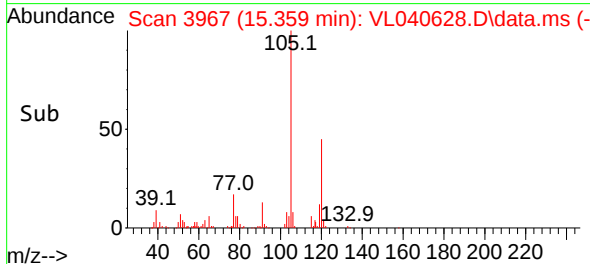
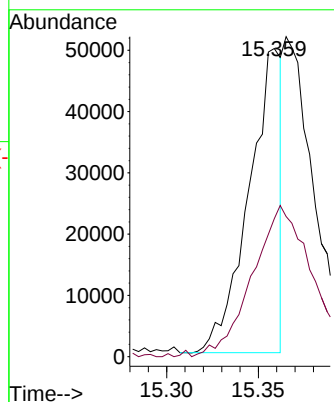
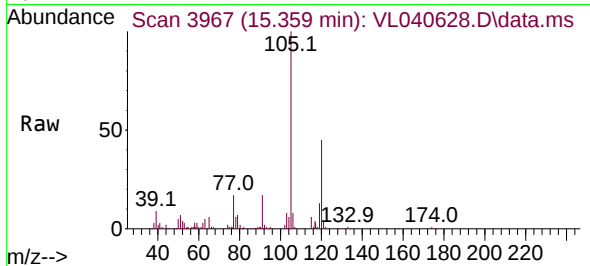




#73
1,3,5-Trimethylbenzene
Concen: 0.224 ppbv
RT: 15.359 min Scan# 3969
Delta R.T. -0.006 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

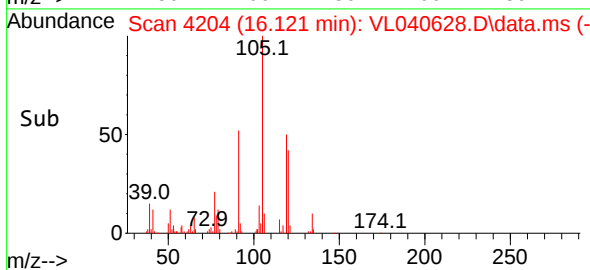
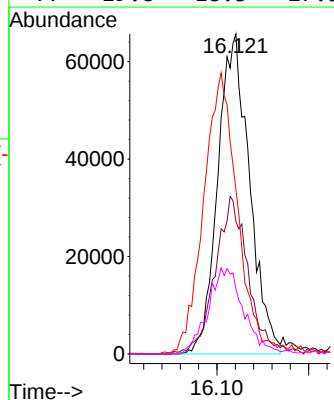
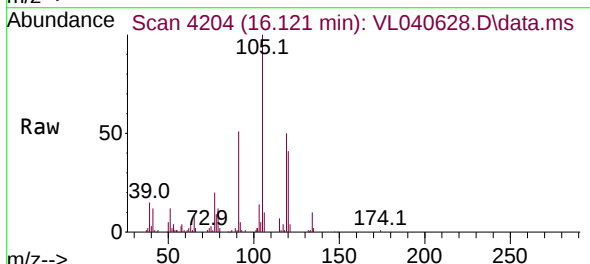
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

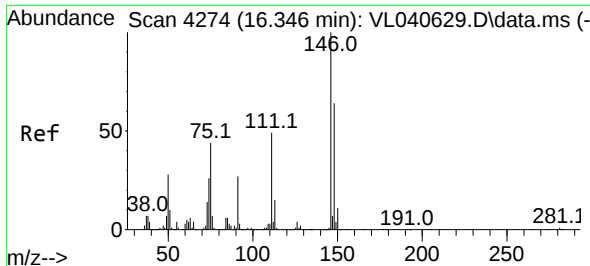
Tgt Ion:105 Resp: 60943
Ion Ratio Lower Upper
105 100
120 44.9 36.5 54.7



#74
1,2,4-Trimethylbenzene
Concen: 0.493 ppbv
RT: 16.121 min Scan# 4204
Delta R.T. -0.003 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion:105 Resp: 157180
Ion Ratio Lower Upper
105 100
120 40.7 37.7 56.5
91 48.9 41.2 61.8
77 19.8 18.3 27.5

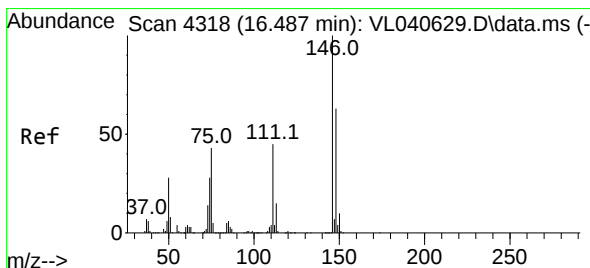
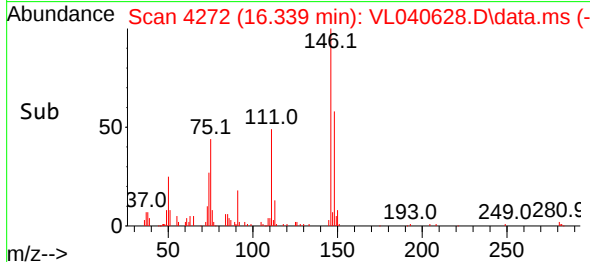
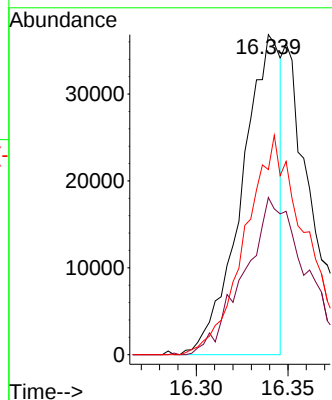
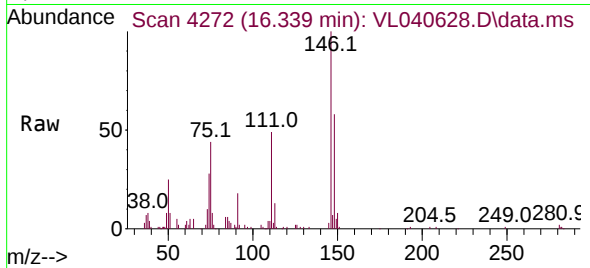




#75
1,3-Dichlorobenzene
Concen: 0.294 ppbv
RT: 16.339 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

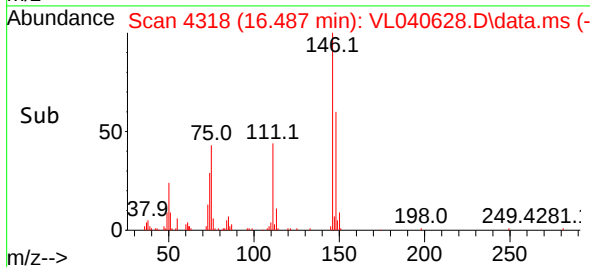
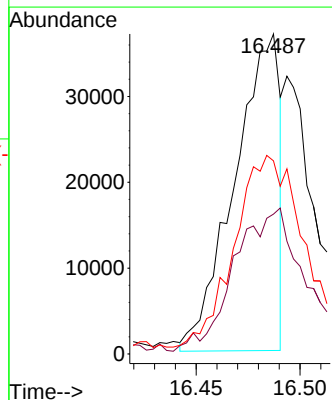
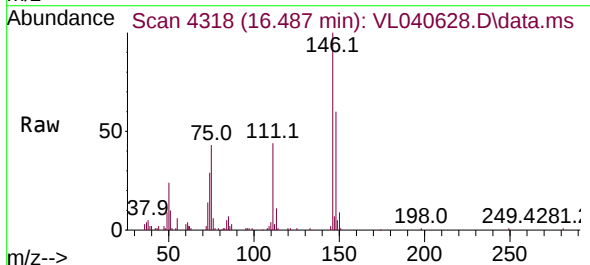
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

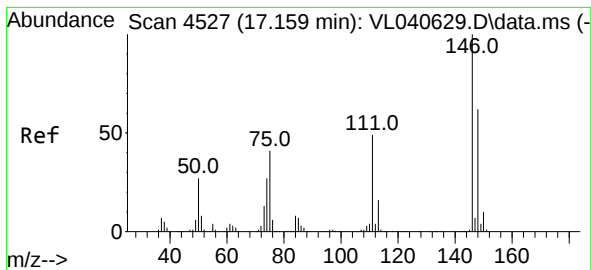
Tgt Ion:146 Resp: 54110
Ion Ratio Lower Upper
146 100
111 83.6 23.7 71.1#
148 114.1 31.7 95.1#



#76
1,4-Dichlorobenzene
Concen: 0.304 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. 0.000 min
Lab File: VL040628.D
Acq: 15 Aug 2023 9:37

Tgt Ion:146 Resp: 55949
Ion Ratio Lower Upper
146 100
111 80.4 23.2 69.5#
148 113.9 32.5 97.5#





#77

1,2-Dichlorobenzene

Concen: 0.454 ppbv

RT: 17.156 min Scan# 4

Delta R.T. -0.003 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

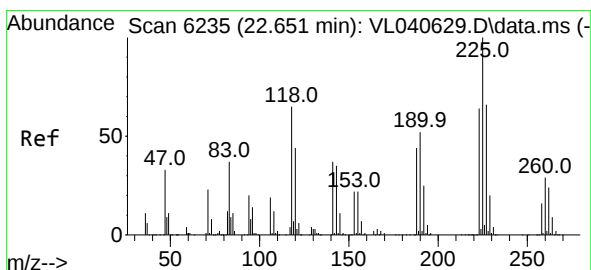
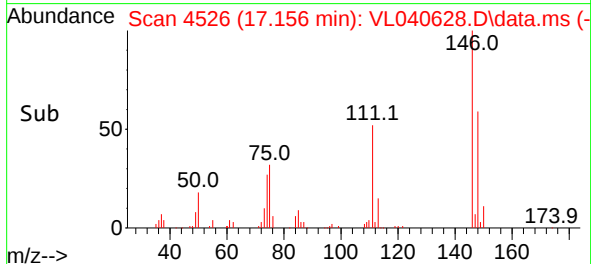
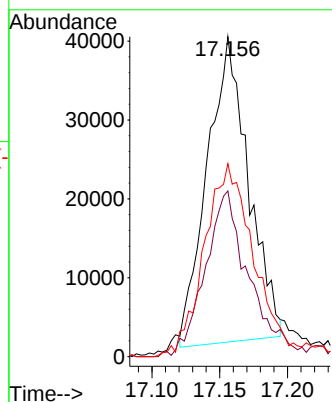
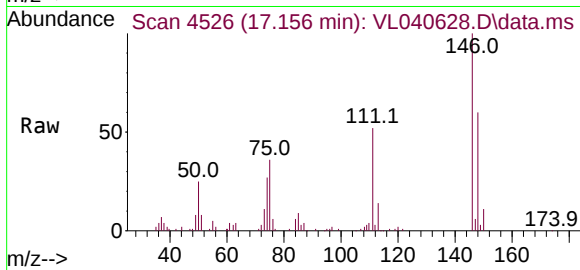
Tgt Ion:146 Resp: 82203

Ion Ratio Lower Upper

146 100

111 59.6 24.6 74.0

148 79.5 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 0.204 ppbv

RT: 22.635 min Scan# 6230

Delta R.T. -0.016 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

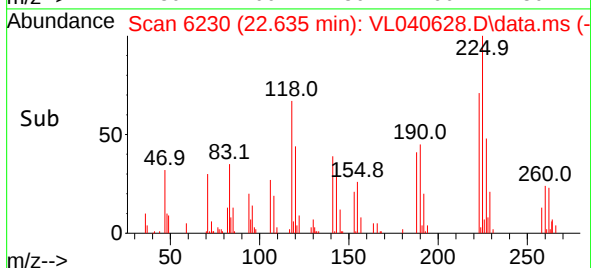
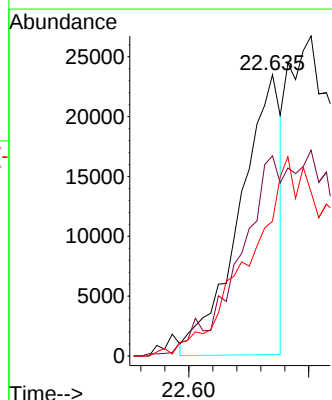
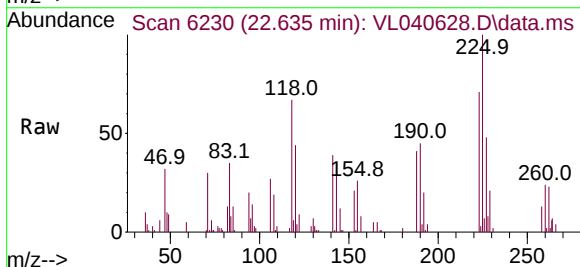
Tgt Ion:225 Resp: 28054

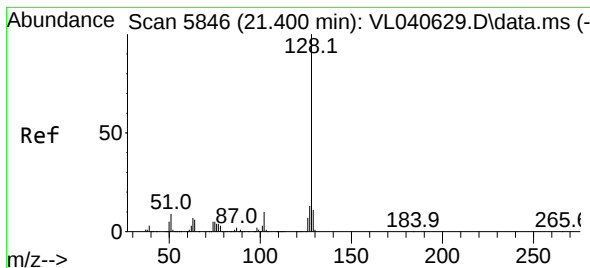
Ion Ratio Lower Upper

225 100

223 0.0 50.6 76.0#

227 167.6 51.2 76.8#





#79

Naphthalene

Concen: 0.415 ppbv

RT: 21.403 min Scan# 5847

Delta R.T. 0.003 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

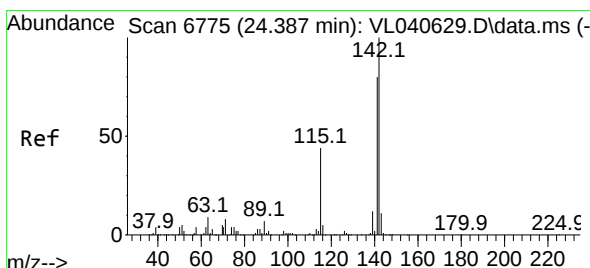
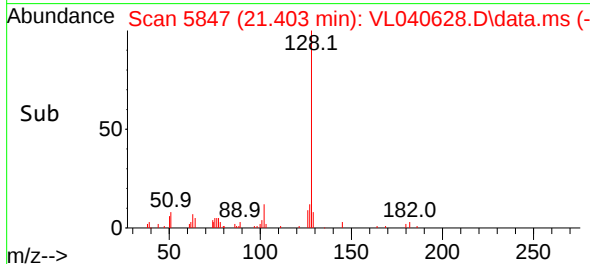
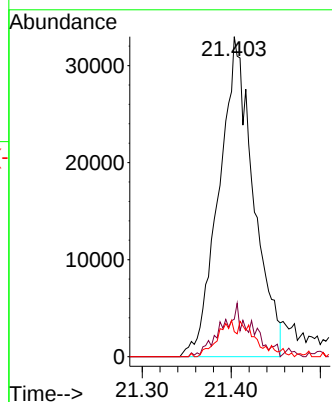
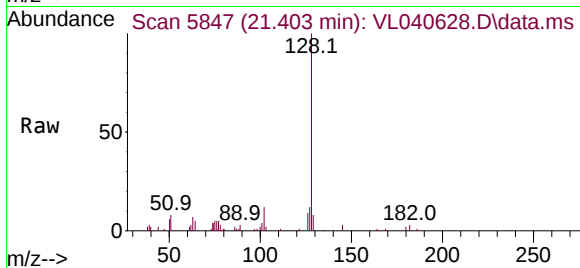
Tgt Ion:128 Resp: 88731

Ion Ratio Lower Upper

128 100

127 11.7 10.1 15.1

129 7.8 9.2 13.8#



#80

Naphthalene,2-methyl-

Concen: 0.008 ppbv

RT: 24.673 min Scan# 6864

Delta R.T. 0.286 min

Lab File: VL040628.D

Acq: 15 Aug 2023 9:37

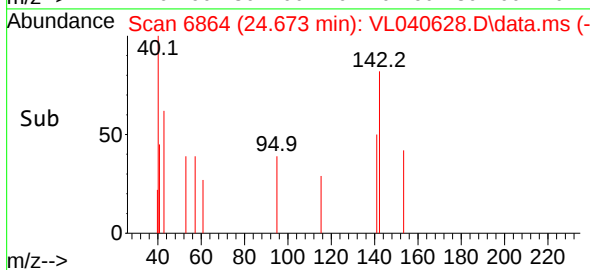
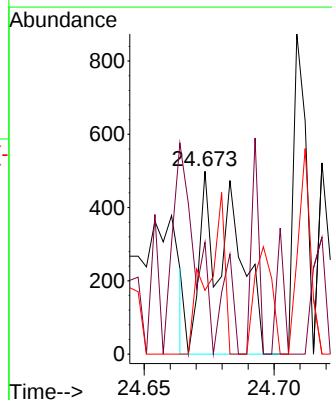
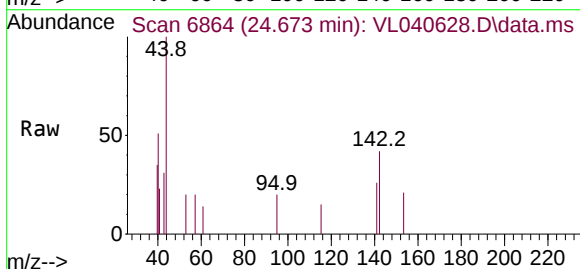
Tgt Ion:142 Resp: 434

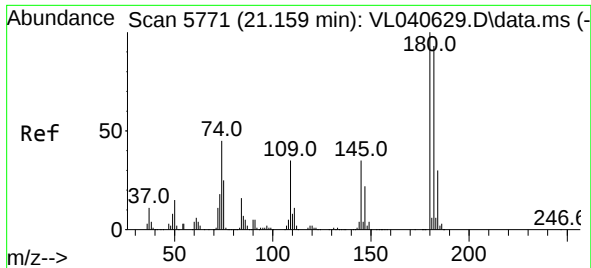
Ion Ratio Lower Upper

142 100

141 66.1 64.6 96.8

115 47.0 33.7 50.5





#81

1,2,4-Trichlorobenzene

Concen: 0.105 ppbv

RT: 21.149 min Scan# 51

Delta R.T. -0.010 min

Lab File: VL040628.D

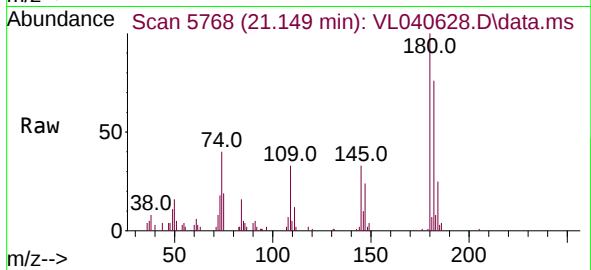
Acq: 15 Aug 2023 9:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 14539

Ion Ratio Lower Upper

180 100

182 0.0 78.0 117.0#

184 0.0 24.6 36.8#

