

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091922\
 Data File : VL039629.D
 Acq On : 19 Sep 2022 10:23
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Sep 20 07:52:41 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1125297	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3060612	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2859205	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2155854	10.101	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	151417	1.161	ppbv	99
3) Chlorodifluoromethane	2.697	51	146625	1.098	ppbv	96
4) Chloromethane	2.835	50	83413	1.035	ppbv	96
5) Vinyl Chloride	2.941	62	74966	1.116	ppbv #	81
6) Bromomethane	3.140	94	24059	0.971	ppbv #	77
7) Chloroethane	3.218	64	24766	1.008	ppbv	95
8) Dichlorotetrafluoroethane	2.880	85	187387	1.197	ppbv	92
9) Propene	2.716	41	60785	0.997	ppbv	89
10) Heptane	7.594	43	144022	1.012	ppbv	97
11) Trichlorofluoromethane	3.584	101	178216	1.103	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.086	101	126426	1.036	ppbv	97
13) Ethanol	3.256	45	2057	0.443	ppbv #	23
14) Bromoethene	3.388	108	49497	1.016	ppbv #	89
15) Acetone	3.497	43	130127	1.039	ppbv	96
16) 1,3-Butadiene	3.009	39	64197	1.011	ppbv	90
17) tert-Butyl alcohol	3.902	59	47985	0.427	ppbv #	71
18) 1,1-Dichloroethene	3.906	96	58499	1.090	ppbv	81
19) Isopropyl Alcohol	3.600	45	64088	1.004	ppbv #	90
20) Methylene Chloride	3.951	84	65618	1.133	ppbv	93
21) Allyl Chloride	4.015	41	86081	1.010	ppbv	95
22) trans-1,2-Dichloroethene	4.462	96	51739	0.974	ppbv	96
23) Vinyl Acetate	4.645	43	48299	0.853	ppbv #	96
24) 1,1-Dichloroethane	4.581	63	120236	1.067	ppbv	99
25) Ethyl Acetate	5.227	43	285646	1.046	ppbv	99
26) Hexane	5.227	57	122848	1.060	ppbv	91
27) Carbon Disulfide	4.140	76	114854	0.943	ppbv	97
28) Methyl tert-Butyl Ether	4.613	73	103658	1.065	ppbv	98
29) Chloroform	5.292	83	182811	1.093	ppbv	95
30) Cyclohexane	6.610	84	86921	0.969	ppbv	92
31) cis-1,2-Dichloroethene	5.095	61	102252	0.976	ppbv	93
32) 1,1,1-Trichloroethane	6.021	97	90033	0.595	ppbv #	29
34) 2-Butanone	4.812	43	155756	1.036	ppbv	99
35) Carbon Tetrachloride	6.507	117	169640	1.044	ppbv	92
36) Benzene	6.385	78	241164	1.031	ppbv	99
37) 1,2-Dichloroethane	5.822	62	126784	0.996	ppbv	97
38) Trichloroethene	7.304	130	133278	1.054	ppbv	95
39) 1,2-Dichloropropane	7.082	63	85116	0.942	ppbv	96
40) 1,4-Dioxane	7.324	88	25093	0.680	ppbv #	1
41) Tetrahydrofuran	5.587	42	55490	0.602	ppbv #	64
42) Bromodichloromethane	7.263	83	176250	0.995	ppbv	90
43) Methyl Methacrylate	7.494	69	80057	0.939	ppbv	95
44) 2,2,4-Trimethylpentane	7.336	57	422092	1.047	ppbv	97
45) t-1,3-Dichloropropene	8.719	75	56176	0.779	ppbv #	82

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

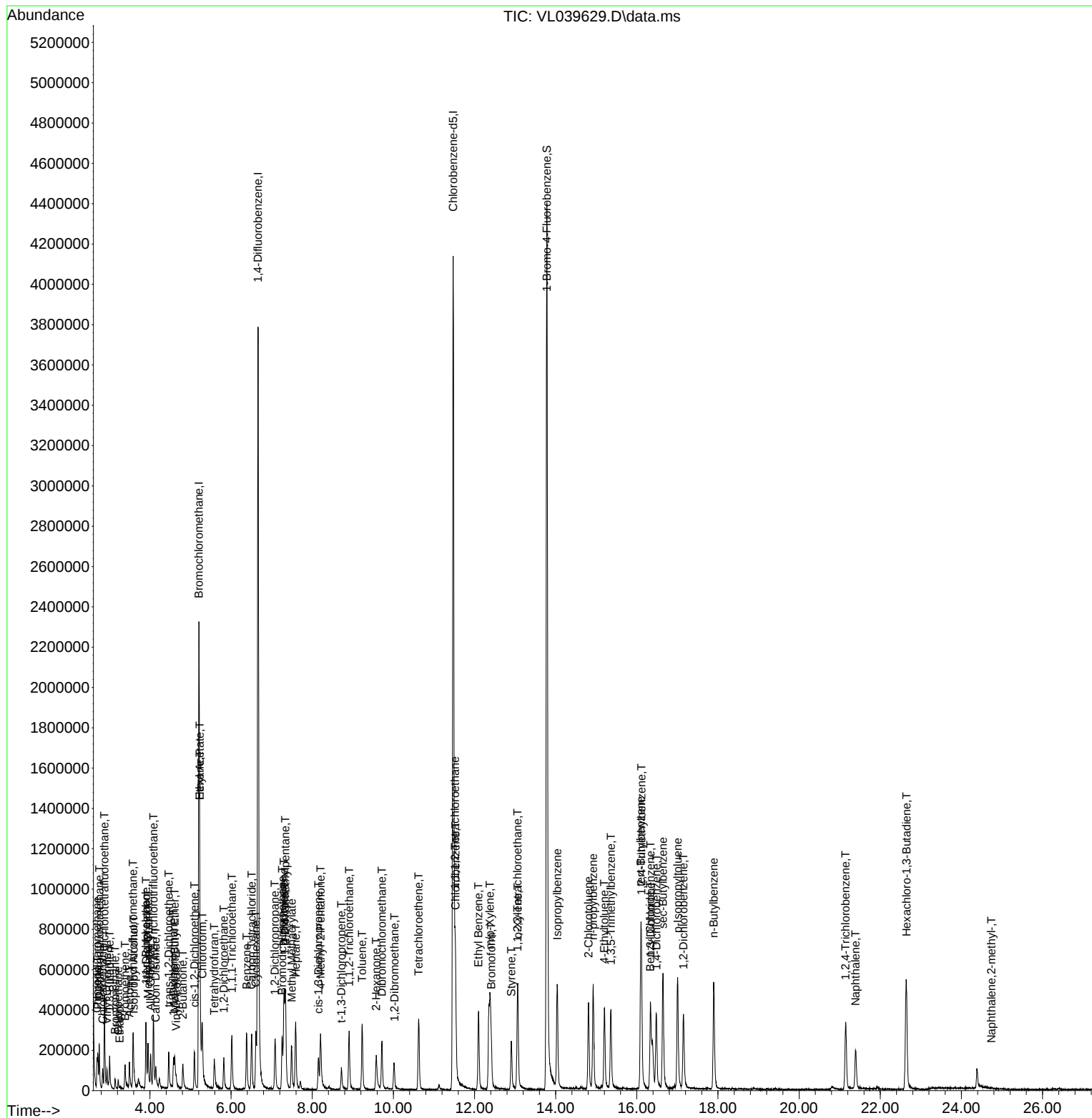
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	89657	0.874	ppbv #	94
47) 1,1,2-Trichloroethane	8.909	97	97292	0.985	ppbv	95
48) Dibromochloromethane	9.719	129	138541	0.932	ppbv	97
49) Bromoform	12.413	173	111739	0.908	ppbv	99
50) 4-Methyl-2-Pentanone	8.205	43	238175	1.008	ppbv	93
51) 2-Hexanone	9.578	43	161285	0.922	ppbv #	97
52) Tetrachloroethene	10.622	164	85476	0.957	ppbv	94
53) Toluene	9.227	91	245655	0.944	ppbv	96
54) 1,2-Dibromoethane	10.024	107	39842	0.377	ppbv	84
56) 1,1,1,2-Tetrachloroethane	11.523	131	117221	1.015	ppbv #	1
57) Chlorobenzene	11.532	112	215157	1.023	ppbv #	95
58) Ethyl Benzene	12.098	91	333061	1.010	ppbv	97
59) m/p-Xylene	12.381	91	346242	1.180	ppbv #	46
60) o-Xylene	13.066	91	293938	1.049	ppbv	99
61) Styrene	12.905	104	140353	0.930	ppbv	100
62) Isopropylbenzene	14.037	105	451703	1.071	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	122225	1.094	ppbv	99
64) n-propylbenzene	14.925	120	97241	0.901	ppbv #	53
65) tert-Butylbenzene	16.098	119	404020	1.085	ppbv	97
66) Benzyl Chloride	16.330	91	8083	0.273	ppbv #	40
67) sec-Butylbenzene	16.645	105	557194	1.067	ppbv	98
69) p-Isopropyltoluene	17.005	119	455399	1.061	ppbv	99
70) n-Butylbenzene	17.895	91	434078	1.032	ppbv	98
71) 2-Chlorotoluene	14.809	91	322528	1.060	ppbv	96
72) 4-Ethyltoluene	15.201	105	324785	1.015	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	303557	1.037	ppbv	92
74) 1,2,4-Trimethylbenzene	16.114	105	345583	1.053	ppbv	90
75) 1,3-Dichlorobenzene	16.336	146	207865	1.062	ppbv	98
76) 1,4-Dichlorobenzene	16.484	146	201380	1.028	ppbv	95
77) 1,2-Dichlorobenzene	17.150	146	196674	1.030	ppbv	97
78) Hexachloro-1,3-Butadiene	22.645	225	162880	1.117	ppbv	98
79) Naphthalene	21.391	128	132020	0.610	ppbv #	93
80) Naphthalene,2-methyl-	24.741	142	3350	0.041	ppbv	96
81) 1,2,4-Trichlorobenzene	21.146	180	115195	0.810	ppbv #	77

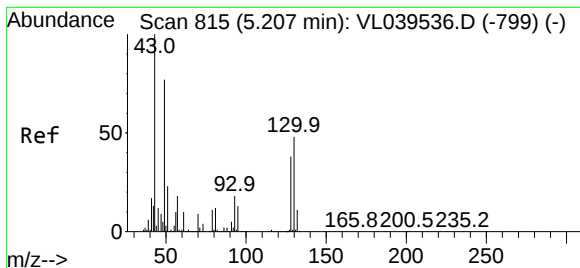
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VSTDIC001

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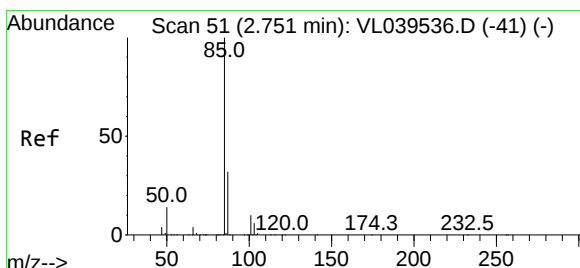
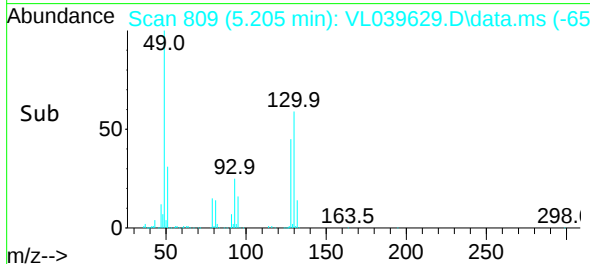
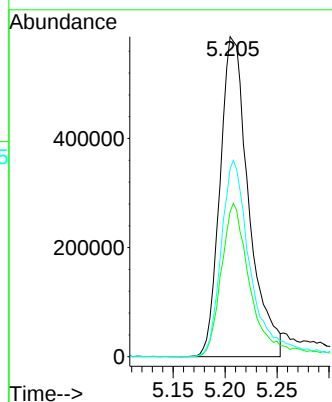
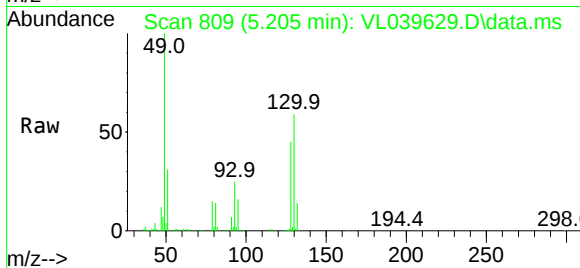




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.205 min Scan# 815
 Delta R.T. -0.002 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

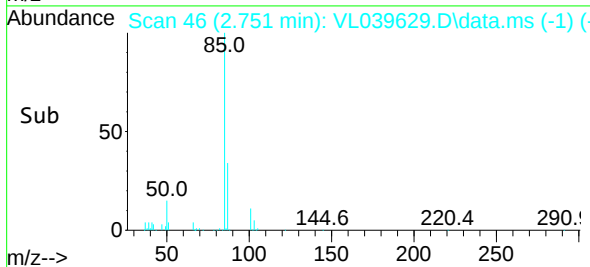
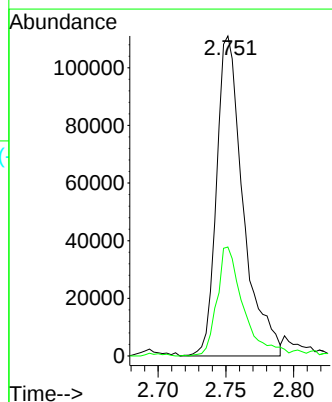
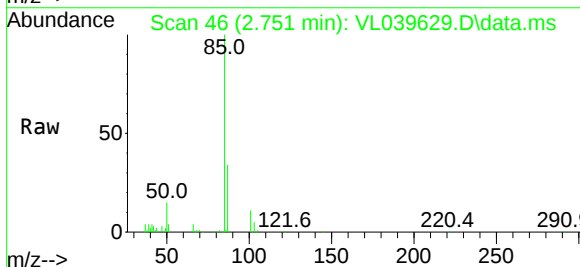
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

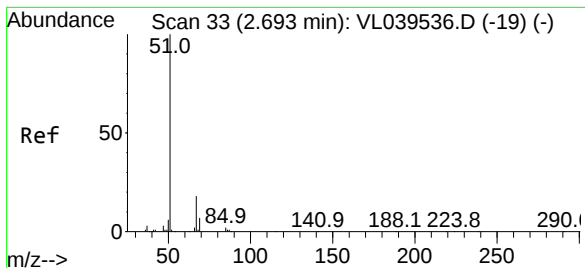
Tgt Ion: 49 Resp: 1125297
 Ion Ratio Lower Upper
 49 100
 128 50.4 26.7 80.0
 130 65.5 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 1.161 ppbv
 RT: 2.751 min Scan# 46
 Delta R.T. 0.001 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Tgt Ion: 85 Resp: 151417
 Ion Ratio Lower Upper
 85 100
 87 34.0 26.7 40.1

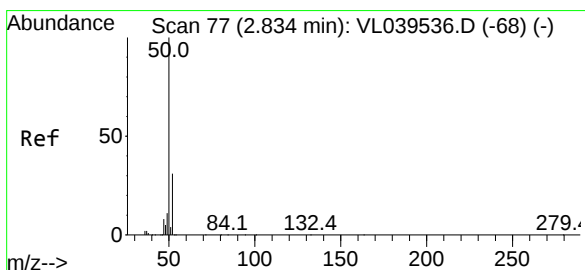
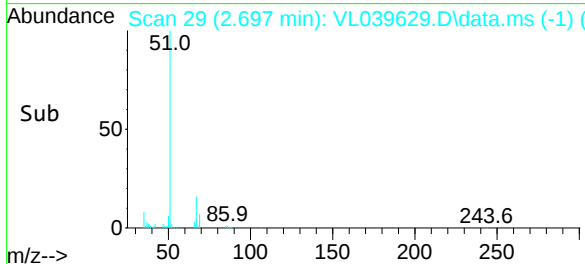
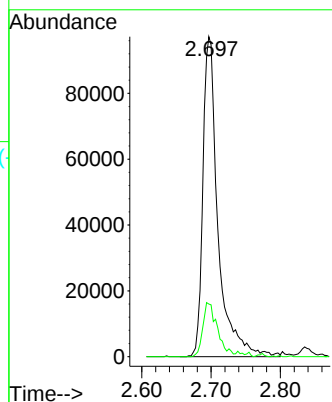
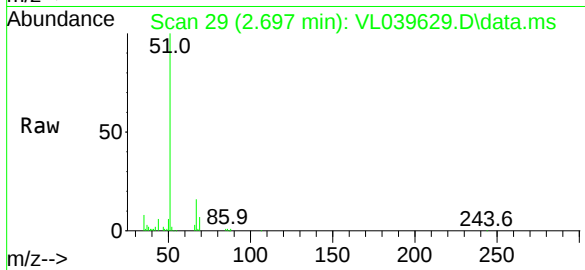




#3
 Chlorodifluoromethane
 Concen: 1.098 ppbv
 RT: 2.697 min Scan# 24
 Delta R.T. 0.004 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

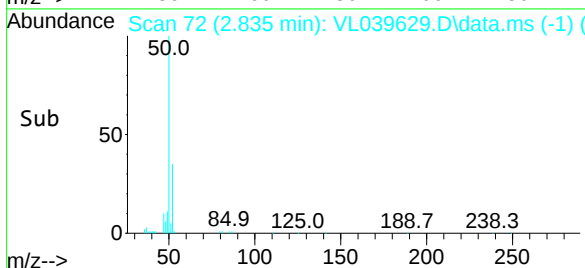
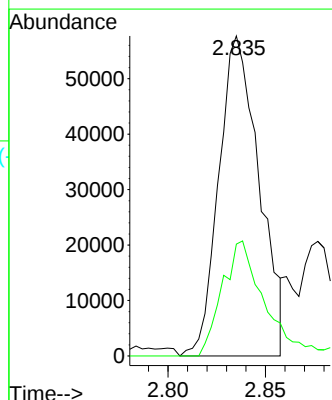
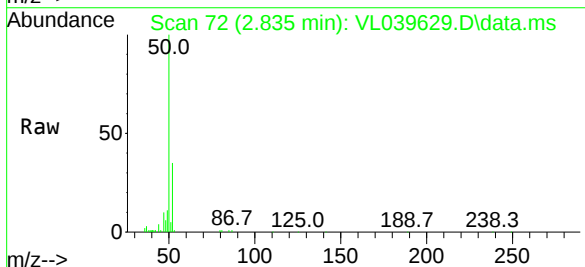
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

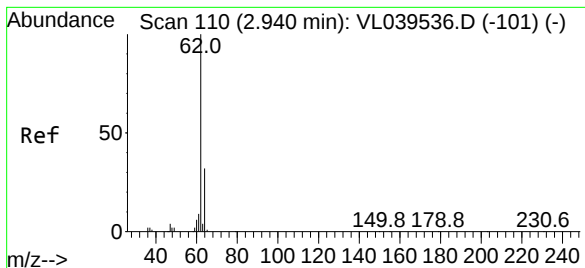
Tgt Ion: 51 Resp: 146625
 Ion Ratio Lower Upper
 51 100
 67 17.9 15.7 23.5



#4
 Chloromethane
 Concen: 1.035 ppbv
 RT: 2.835 min Scan# 72
 Delta R.T. 0.001 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Tgt Ion: 50 Resp: 83413
 Ion Ratio Lower Upper
 50 100
 52 35.5 26.5 39.7

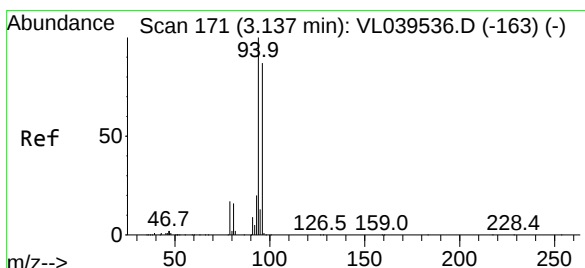
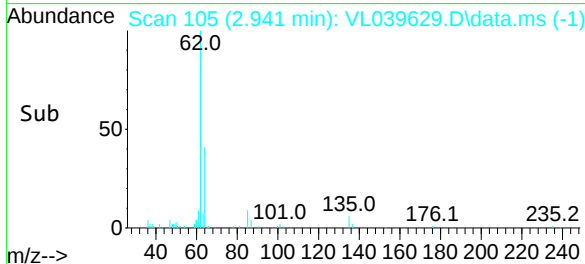
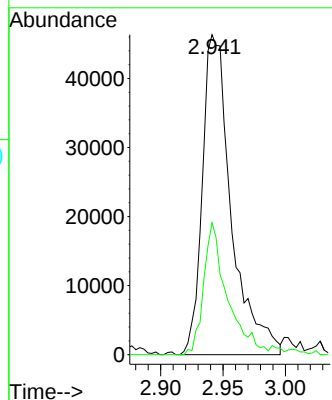
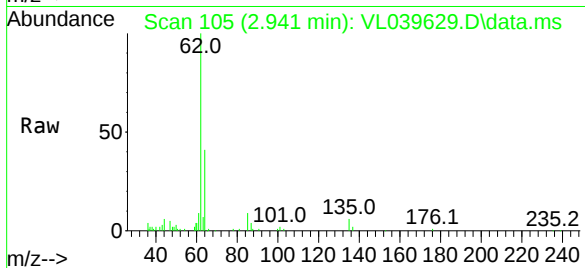




#5
 Vinyl Chloride
 Concen: 1.116 ppbv
 RT: 2.941 min Scan# 110
 Delta R.T. 0.001 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

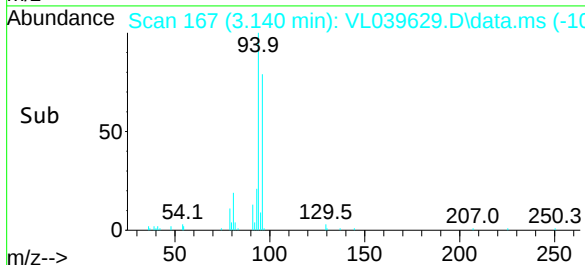
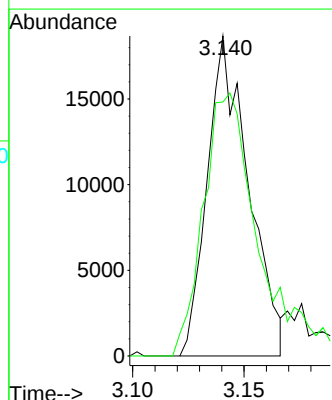
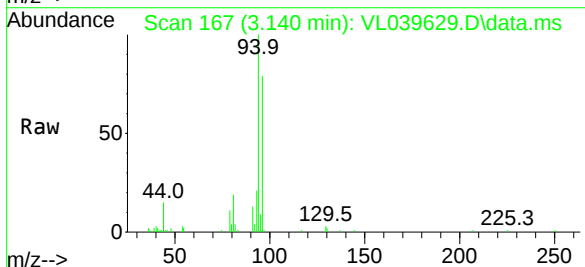
Instrument :
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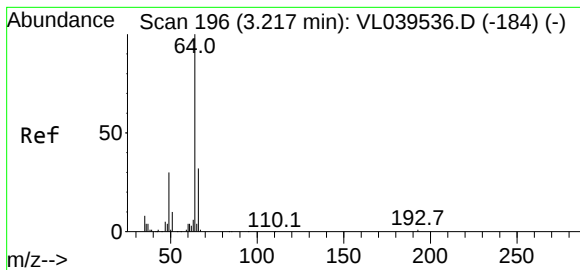
Tgt Ion: 62 Resp: 74966
 Ion Ratio Lower Upper
 62 100
 64 41.3 24.6 36.8#



#6
 Bromomethane
 Concen: 0.971 ppbv
 RT: 3.140 min Scan# 167
 Delta R.T. 0.004 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Tgt Ion: 94 Resp: 24059
 Ion Ratio Lower Upper
 94 100
 96 72.4 75.6 113.4#

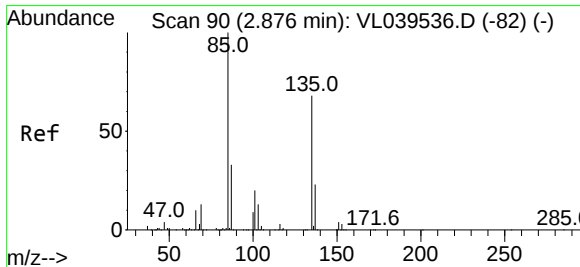
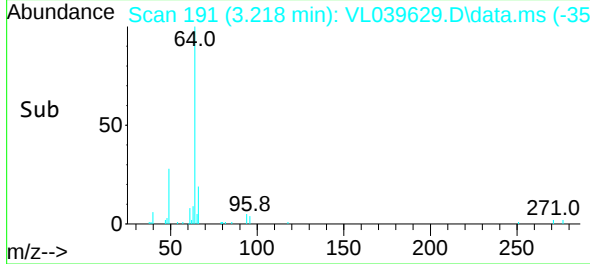
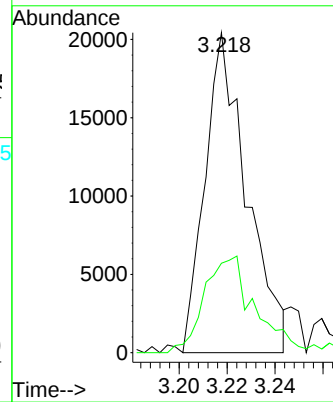
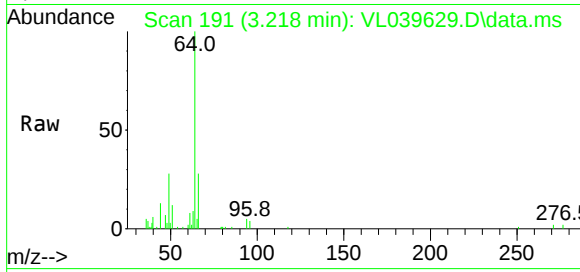




#7
Chloroethane
Concen: 1.008 ppbv
RT: 3.218 min Scan# 196
Delta R.T. 0.001 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

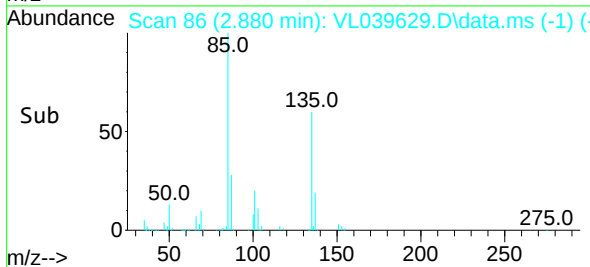
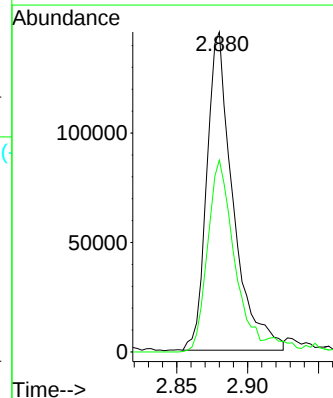
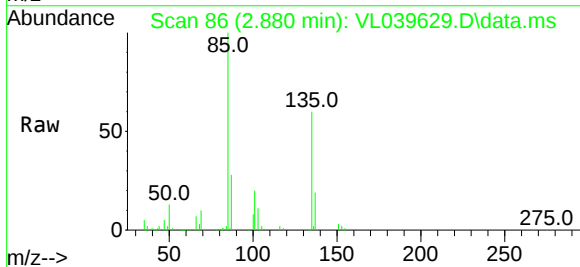
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 64 Resp: 24766
Ion Ratio Lower Upper
64 100
66 27.9 24.7 37.1



#8
Dichlorotetrafluoroethane
Concen: 1.197 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 85 Resp: 187387
Ion Ratio Lower Upper
85 100
135 67.0 59.0 88.4





#9

Propene

Concen: 0.997 ppbv

RT: 2.716 min Scan# 31

Delta R.T. 0.001 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

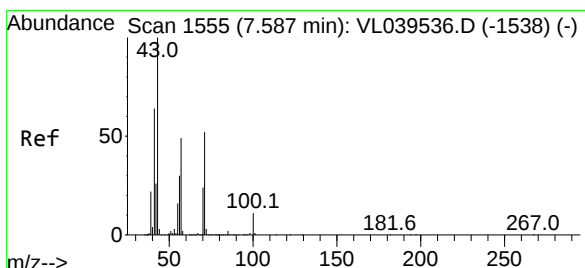
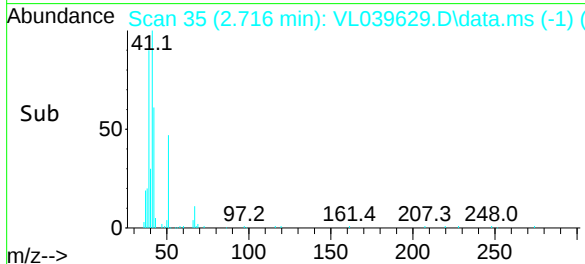
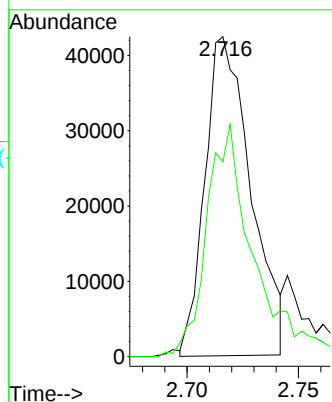
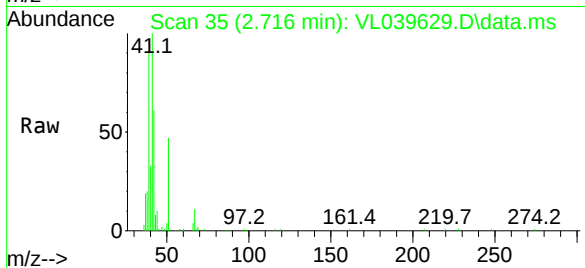
VSTDIC001

Tgt Ion: 41 Resp: 60785

Ion Ratio Lower Upper

41 100

42 78.2 55.2 82.8



#10

Heptane

Concen: 1.012 ppbv

RT: 7.594 min Scan# 1552

Delta R.T. 0.007 min

Lab File: VL039629.D

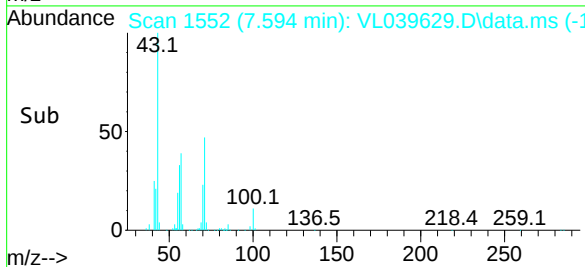
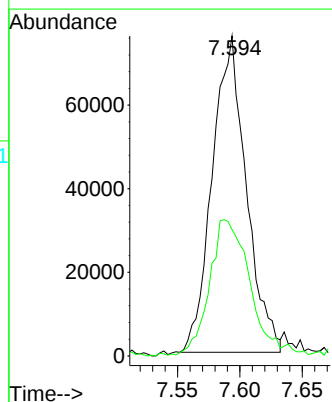
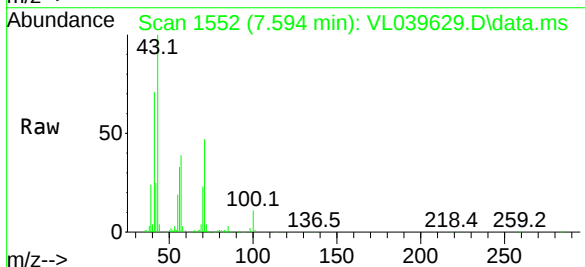
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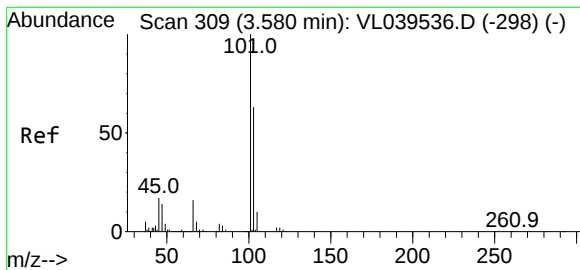
Tgt Ion: 43 Resp: 144022

Ion Ratio Lower Upper

43 100

57 52.5 40.5 60.7

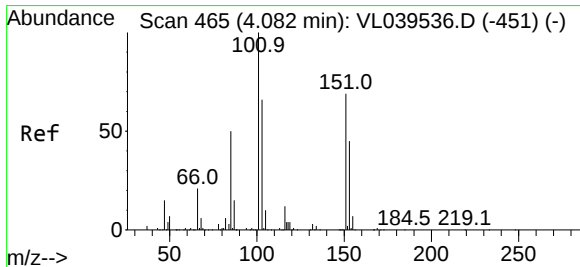
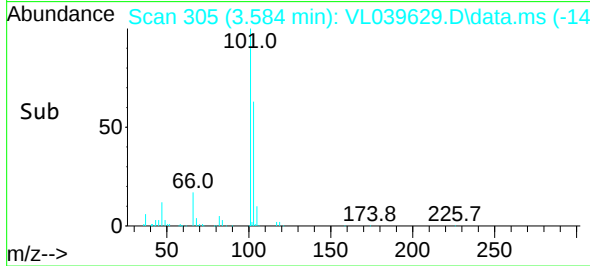
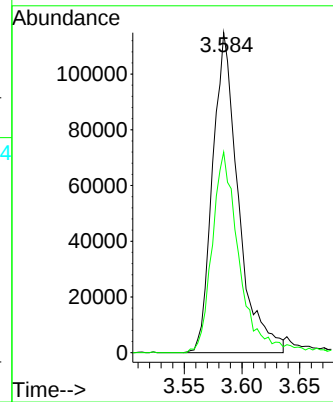
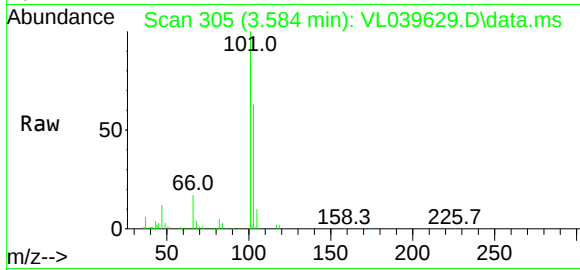




#11
 Trichlorofluoromethane
 Concen: 1.103 ppbv
 RT: 3.584 min Scan# 309
 Delta R.T. 0.004 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

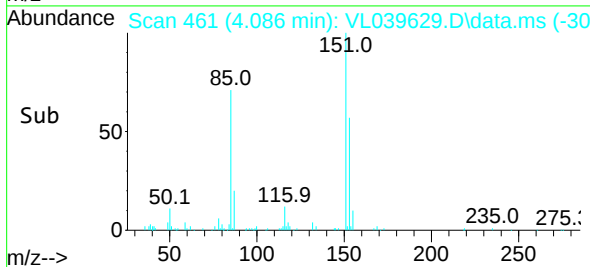
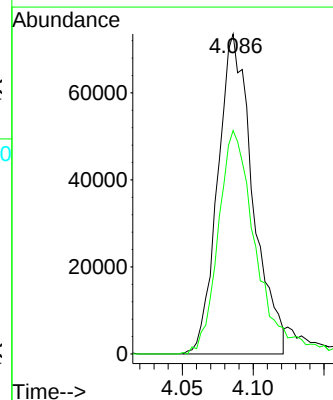
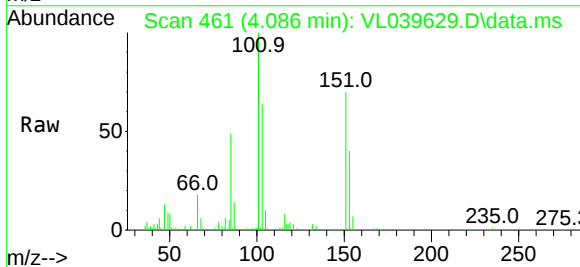
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

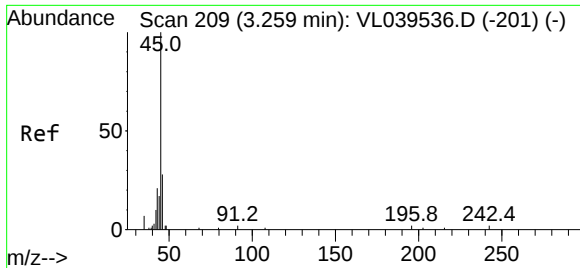
Tgt Ion:101 Resp: 178216
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.036 ppbv
 RT: 4.086 min Scan# 461
 Delta R.T. 0.004 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Tgt Ion:101 Resp: 126426
 Ion Ratio Lower Upper
 101 100
 151 76.3 58.9 88.3

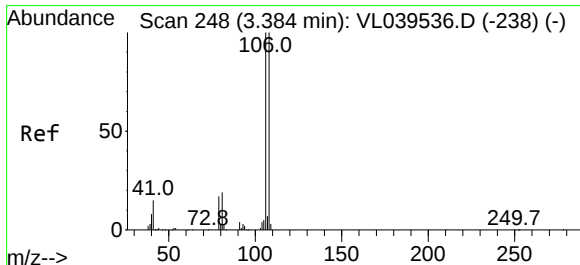
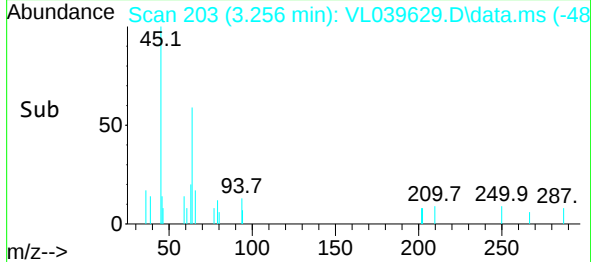
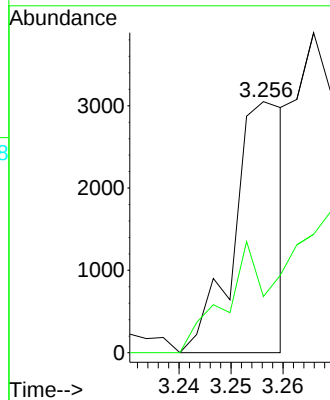
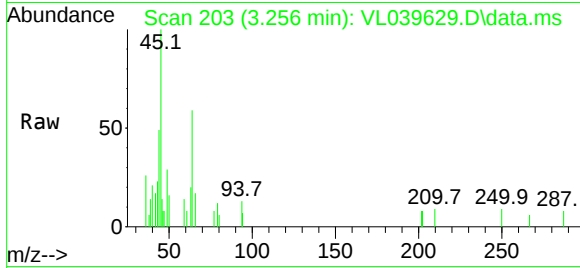




#13
 Ethanol
 Concen: 0.443 ppbv
 RT: 3.256 min Scan# 209
 Delta R.T. -0.003 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

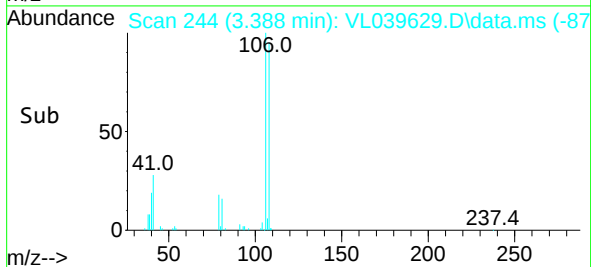
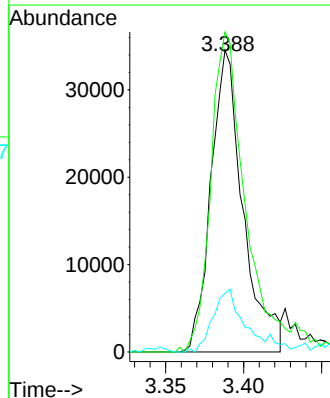
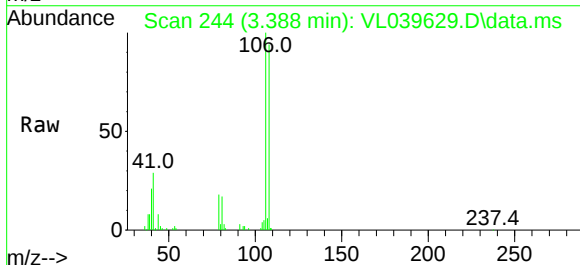
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

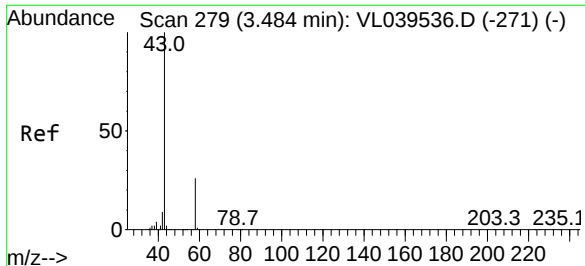
Tgt Ion: 45 Resp: 2057
 Ion Ratio Lower Upper
 45 100
 46 0.0 22.8 91.2#



#14
 Bromoethene
 Concen: 1.016 ppbv
 RT: 3.388 min Scan# 244
 Delta R.T. 0.004 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Tgt Ion: 108 Resp: 49497
 Ion Ratio Lower Upper
 108 100
 106 120.0 87.1 130.7
 79 23.2 14.6 22.0#





#15

Acetone

Concen: 1.039 ppbv

RT: 3.497 min Scan# 21

Delta R.T. 0.014 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

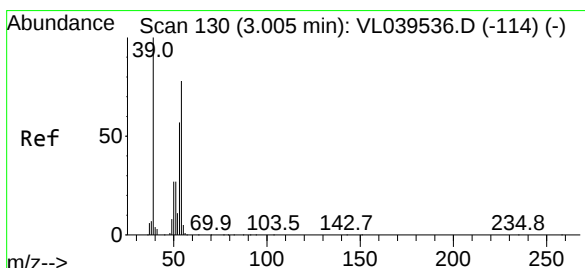
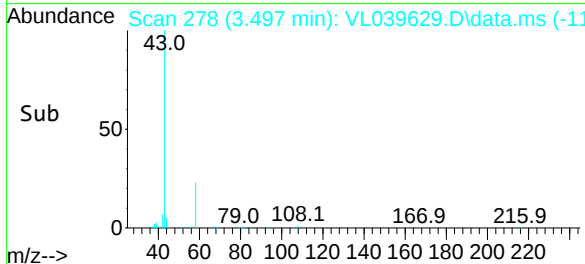
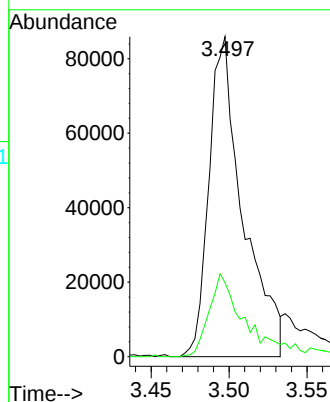
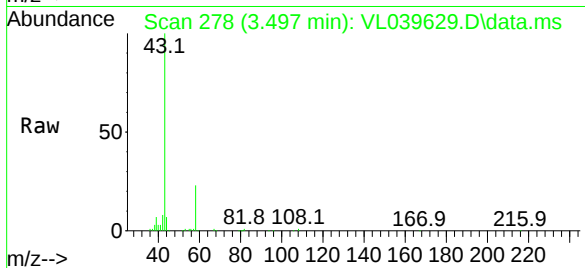
VSTDICC001

Tgt Ion: 43 Resp: 130127

Ion Ratio Lower Upper

43 100

58 28.6 21.0 31.6



#16

1,3-Butadiene

Concen: 1.011 ppbv

RT: 3.009 min Scan# 126

Delta R.T. 0.004 min

Lab File: VL039629.D

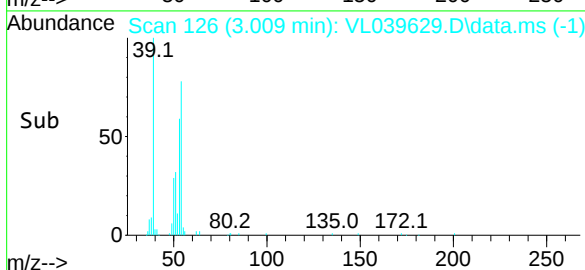
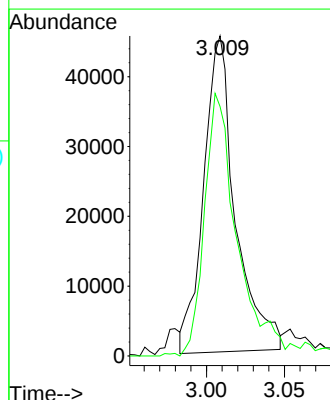
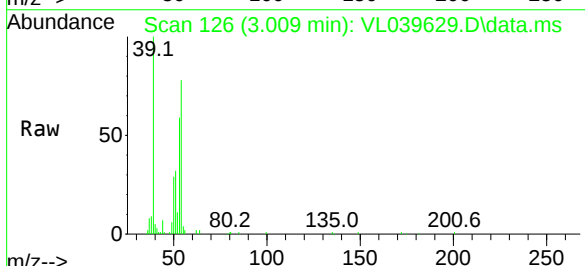
Acq: 19 Sep 2022 10:23

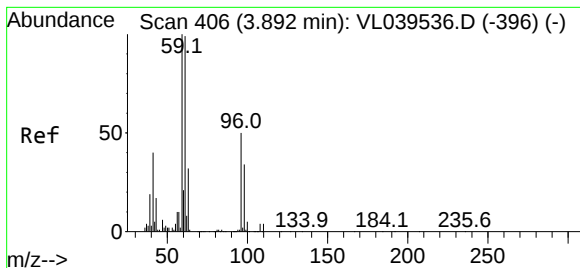
Tgt Ion: 39 Resp: 64197

Ion Ratio Lower Upper

39 100

54 88.3 63.7 95.5

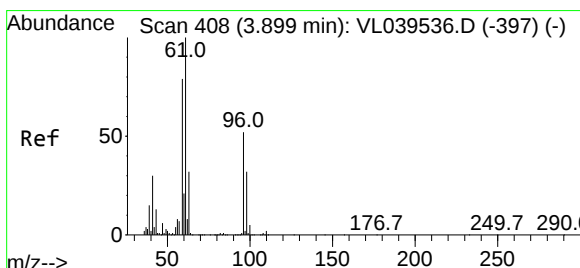
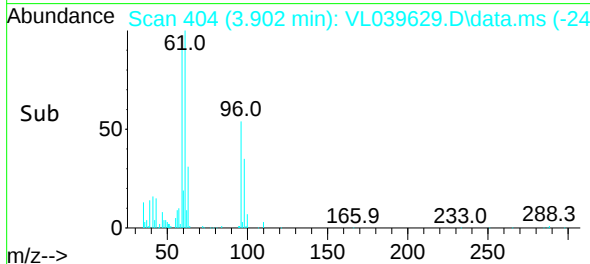
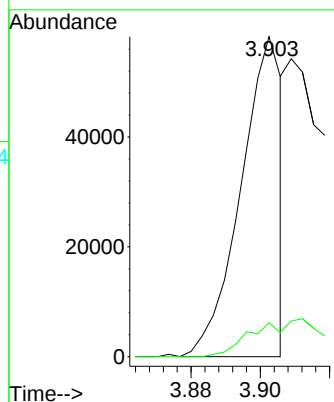
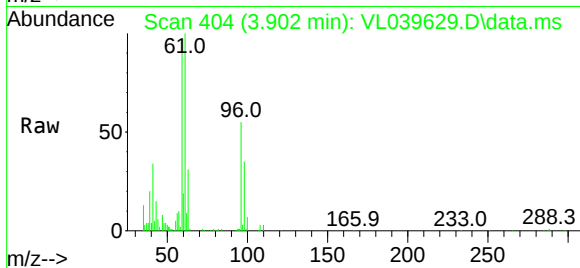




#17
tert-Butyl alcohol
Concen: 0.427 ppbv
RT: 3.902 min Scan# 404
Delta R.T. 0.010 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

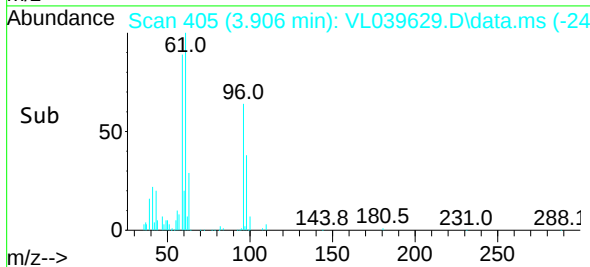
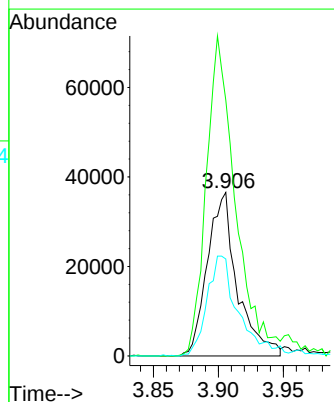
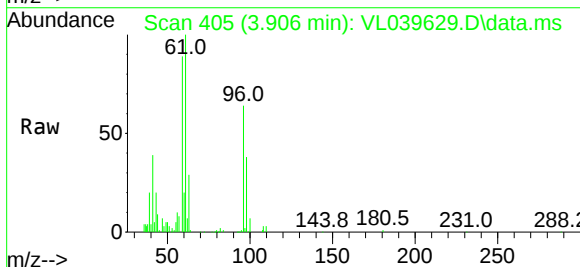
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 47985
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#18
1,1-Dichloroethene
Concen: 1.090 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.007 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 96 Resp: 58499
Ion Ratio Lower Upper
96 100
61 156.0 152.2 228.4
98 59.3 51.8 77.6

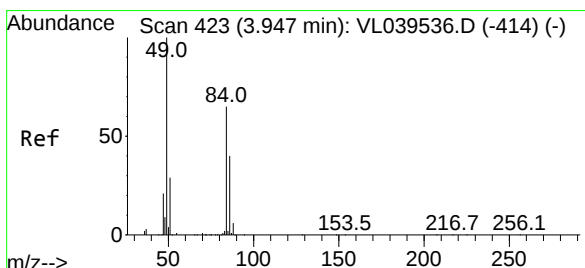
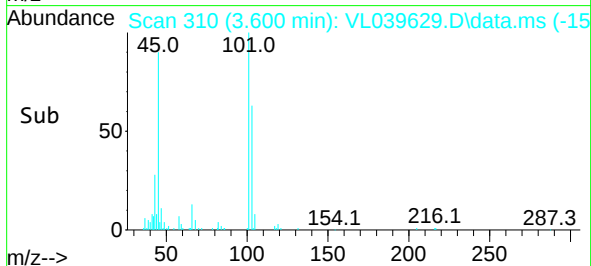
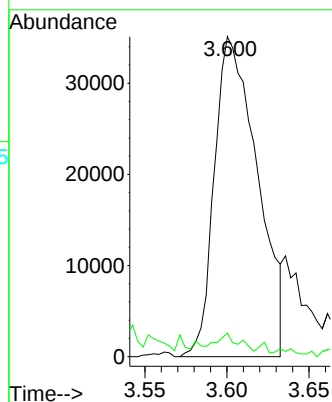
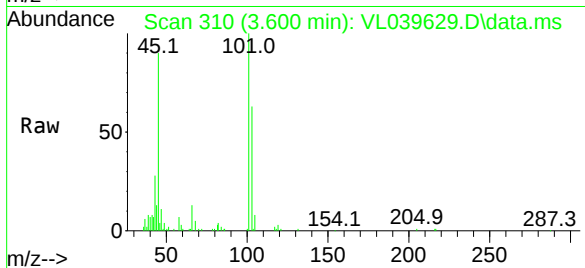




#19
Isopropyl Alcohol
Concen: 1.004 ppbv
RT: 3.600 min Scan# 312
Delta R.T. 0.010 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

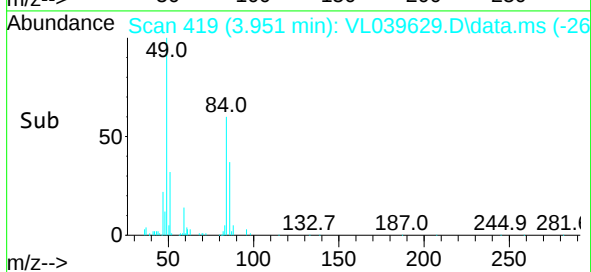
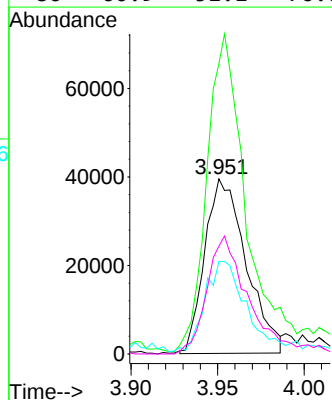
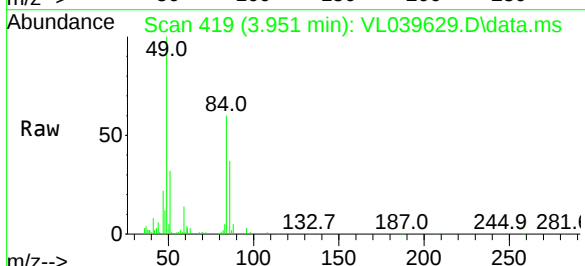
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

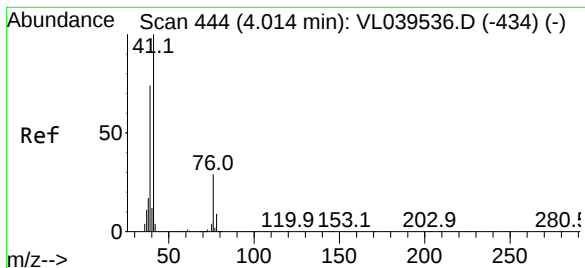
Tgt Ion: 45 Resp: 64088
Ion Ratio Lower Upper
45 100
58 7.2 3.2 4.8#



#20
Methylene Chloride
Concen: 1.133 ppbv
RT: 3.951 min Scan# 419
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 84 Resp: 65618
Ion Ratio Lower Upper
84 100
49 163.6 123.1 184.7
51 50.0 34.4 51.6
86 60.9 51.1 76.7

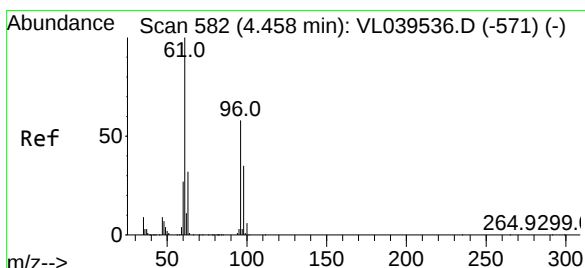
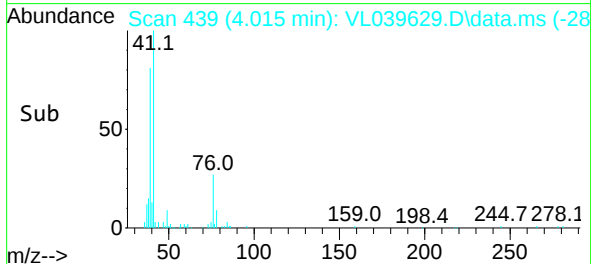
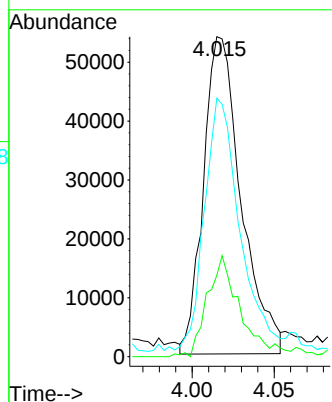
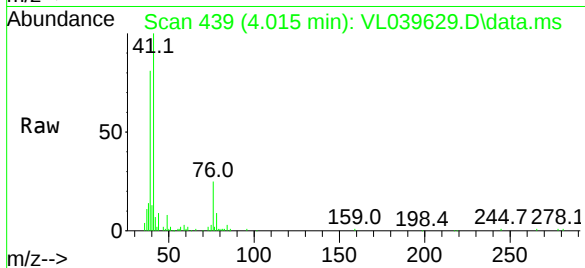




#21
 Allyl Chloride
 Concen: 1.010 ppbv
 RT: 4.015 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

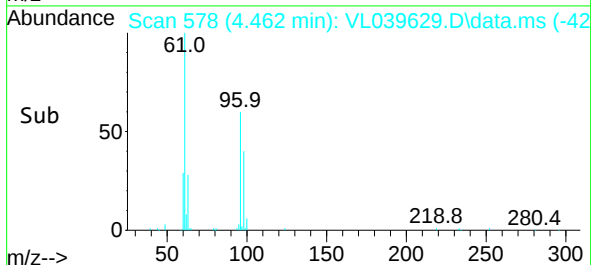
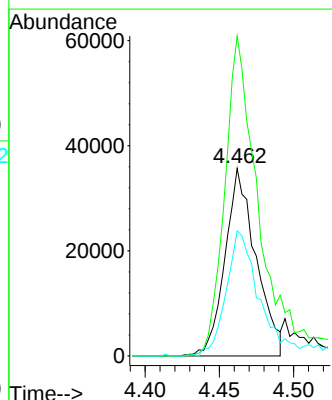
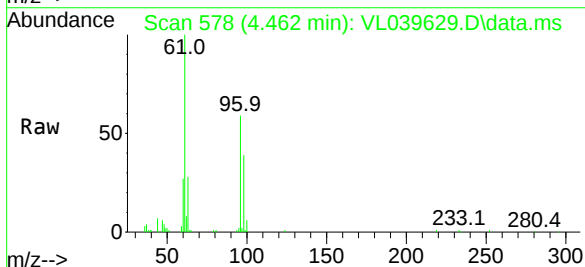
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

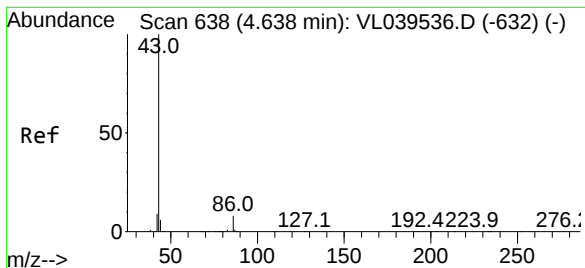
Tgt Ion: 41	Resp: 86081
Ion Ratio	Lower Upper
41 100	
76 29.6	24.4 36.6
39 85.3	63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 0.974 ppbv
 RT: 4.462 min Scan# 578
 Delta R.T. 0.004 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Tgt Ion: 96	Resp: 51739
Ion Ratio	Lower Upper
96 100	
61 170.6	130.6 195.8
98 66.7	53.4 80.0



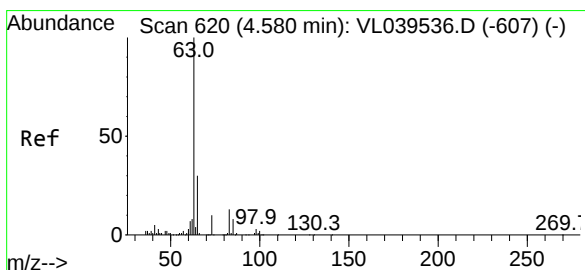
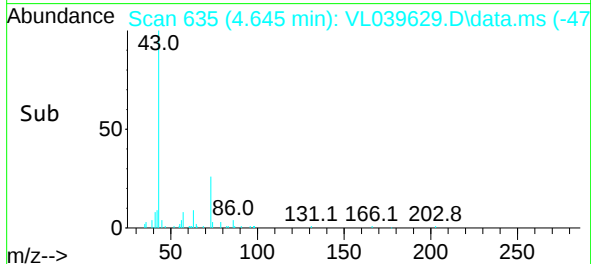
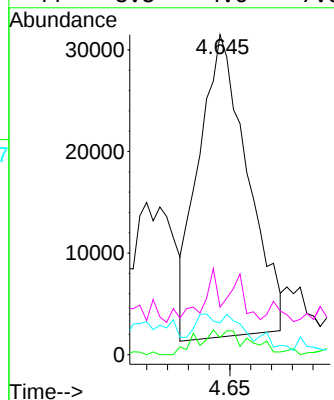
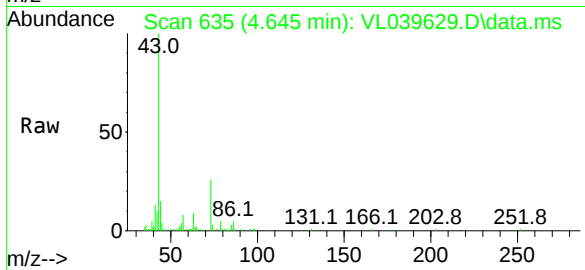


#23
 Vinyl Acetate
 Concen: 0.853 ppbv
 RT: 4.645 min Scan# 615
 Delta R.T. 0.007 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43 Resp: 48299

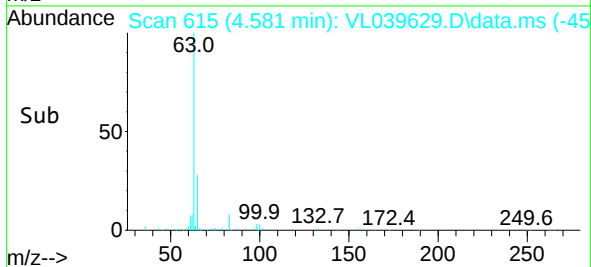
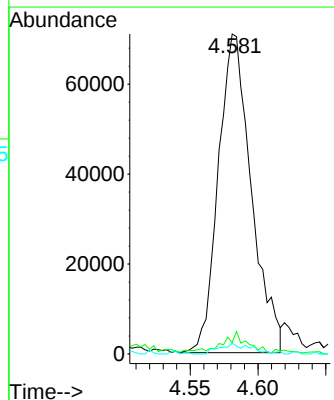
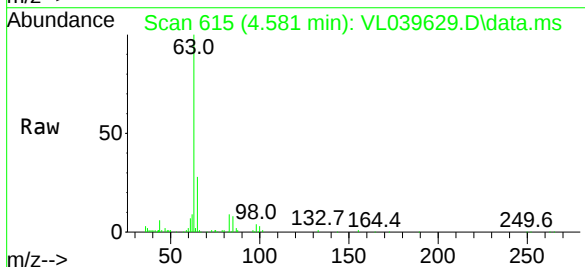
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.0	7.6
42	8.6	7.7	11.5
44	8.8	4.6	7.0

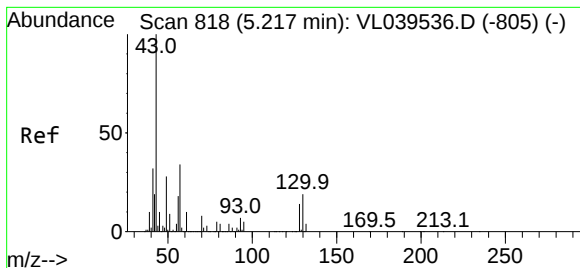


#24
 1,1-Dichloroethane
 Concen: 1.067 ppbv
 RT: 4.581 min Scan# 615
 Delta R.T. 0.001 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Tgt Ion: 63 Resp: 120236

Ion	Ratio	Lower	Upper
63	100		
98	3.1	1.8	5.3
100	3.4	1.5	4.4



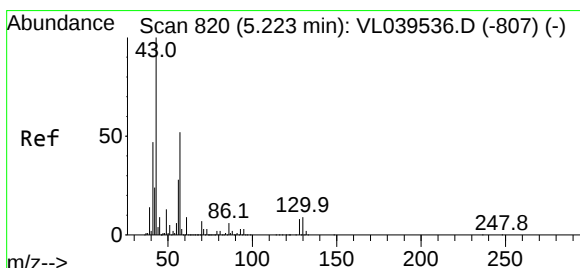
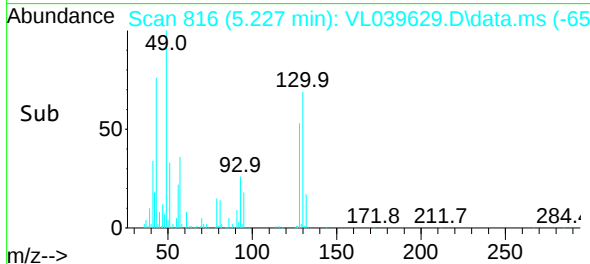
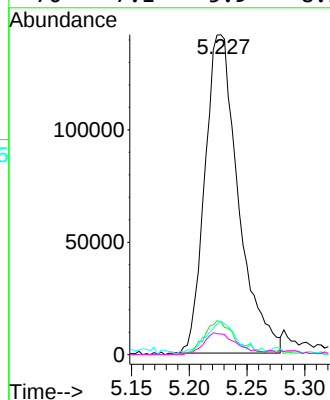
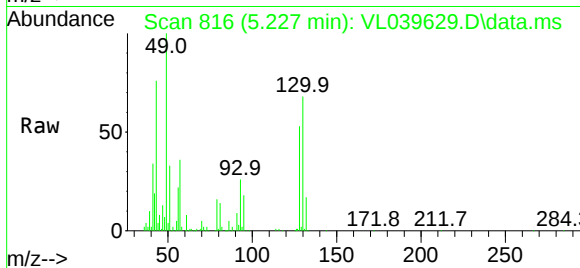


#25
Ethyl Acetate
Concen: 1.046 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.010 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 285646

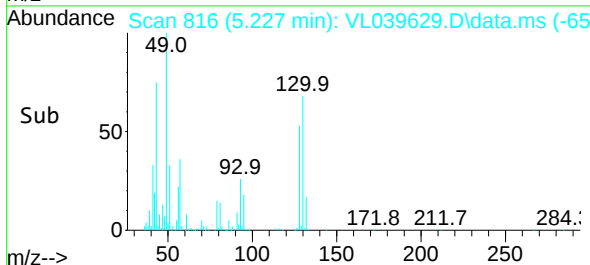
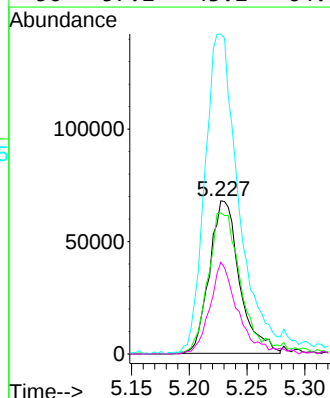
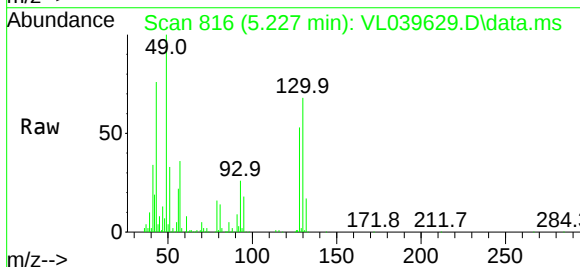
Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.2	12.4
61	10.2	8.3	12.5
70	7.1	5.9	8.9

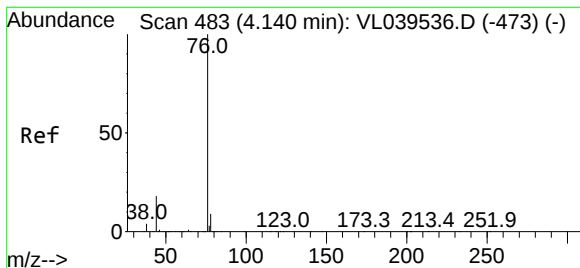


#26
Hexane
Concen: 1.060 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 57 Resp: 122848

Ion	Ratio	Lower	Upper
57	100		
41	106.3	76.9	115.3
43	255.8	191.0	286.6
56	57.2	43.2	64.8





#27

Carbon Disulfide

Concen: 0.943 ppbv

RT: 4.140 min Scan# 41

Delta R.T. 0.001 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

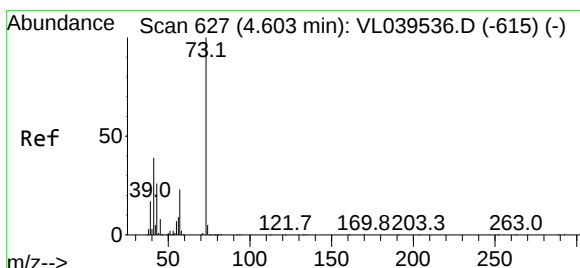
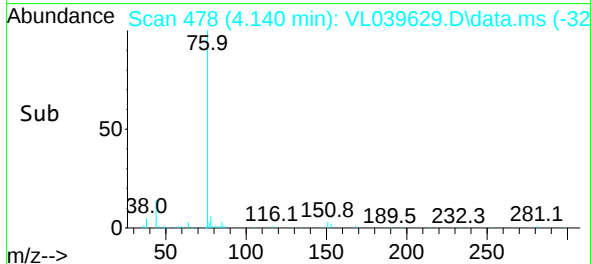
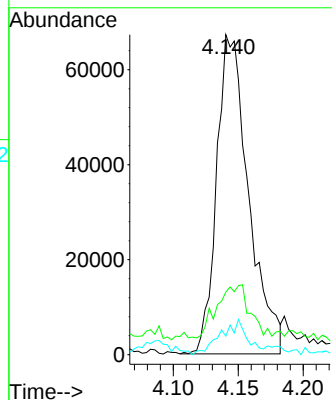
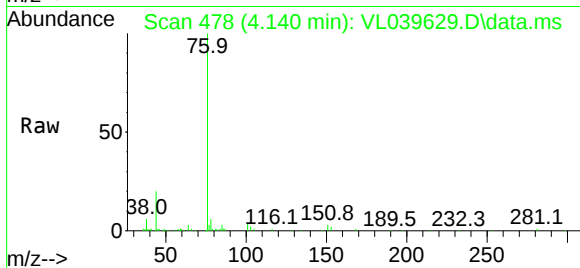
Tgt Ion: 76 Resp: 114854

Ion Ratio Lower Upper

76 100

44 17.1 14.6 21.8

78 10.9 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 1.065 ppbv

RT: 4.613 min Scan# 625

Delta R.T. 0.010 min

Lab File: VL039629.D

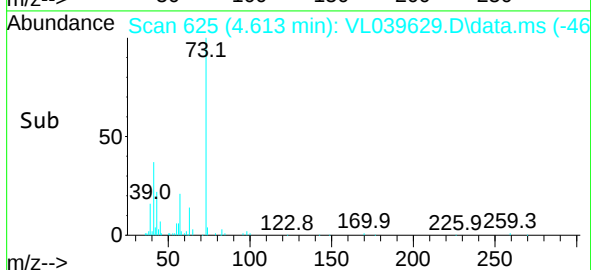
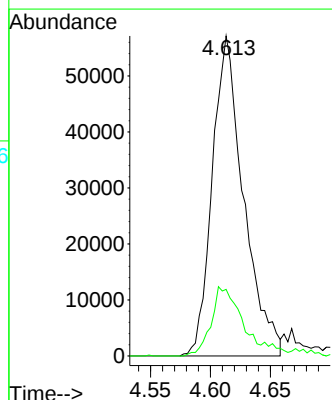
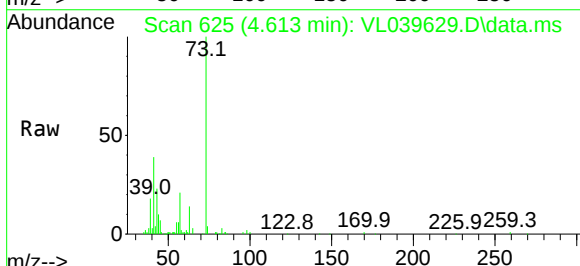
Acq: 19 Sep 2022 10:23

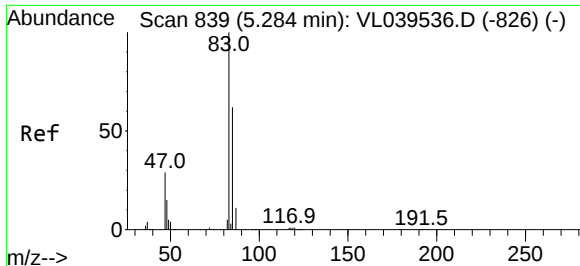
Tgt Ion: 73 Resp: 103658

Ion Ratio Lower Upper

73 100

57 23.8 19.8 29.8

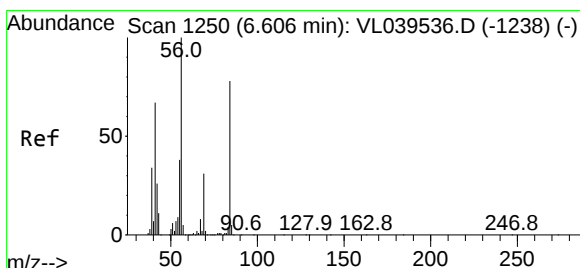
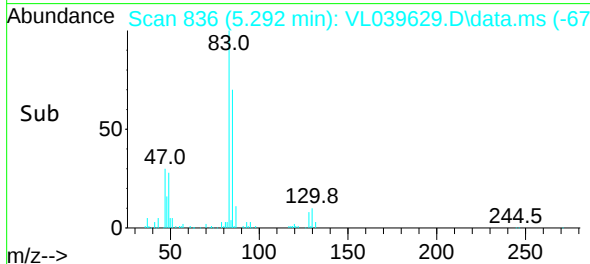
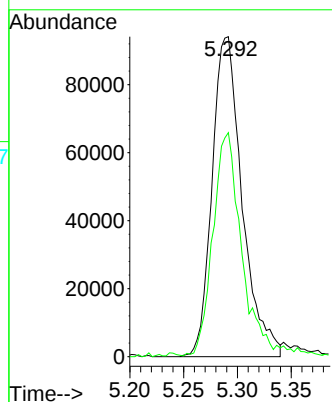
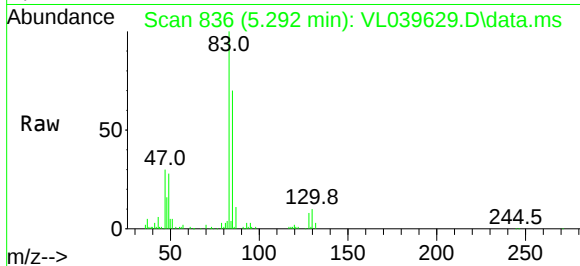




#29
Chloroform
Concen: 1.093 ppbv
RT: 5.292 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

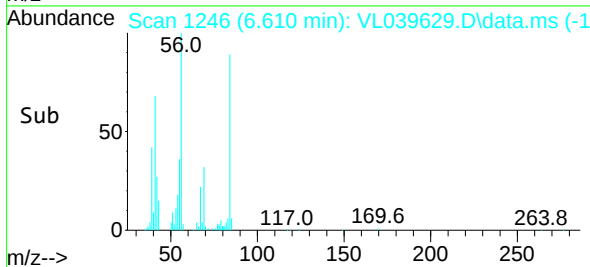
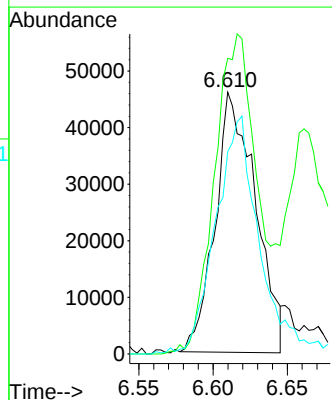
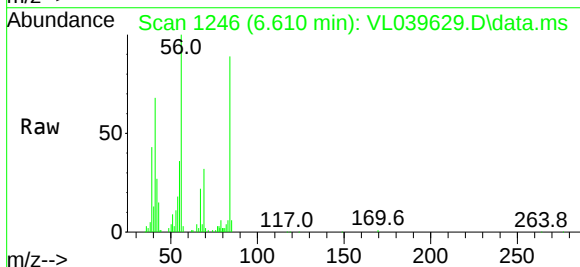
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

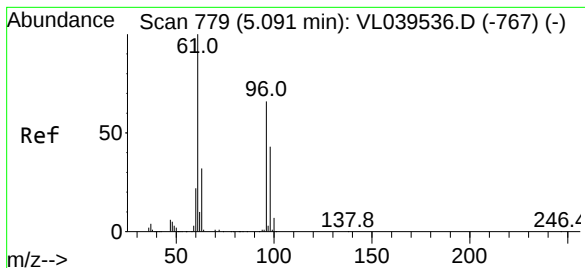
Tgt Ion: 83 Resp: 182811
Ion Ratio Lower Upper
83 100
85 69.6 52.8 79.2



#30
Cyclohexane
Concen: 0.969 ppbv
RT: 6.610 min Scan# 1246
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 84 Resp: 86921
Ion Ratio Lower Upper
84 100
56 130.9 107.7 161.5
41 99.9 67.7 101.5

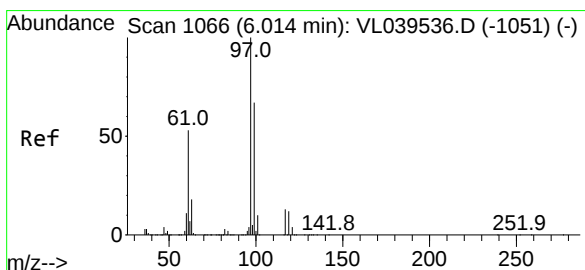
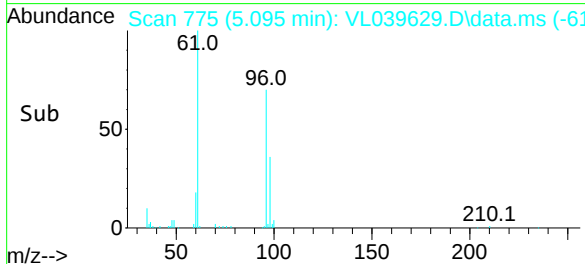
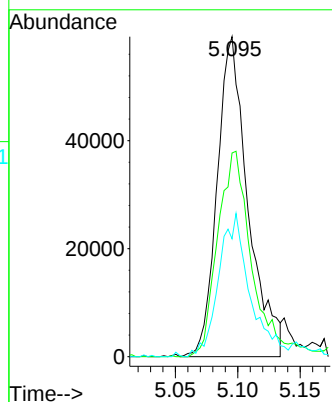
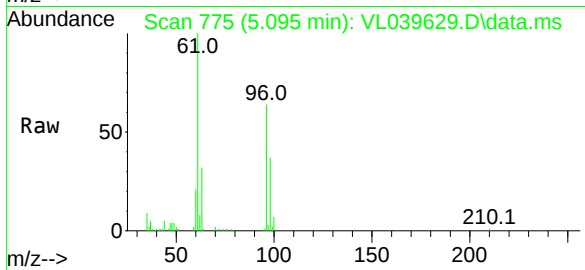




#31
 cis-1,2-Dichloroethene
 Concen: 0.976 ppbv
 RT: 5.095 min Scan# 71
 Delta R.T. 0.004 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

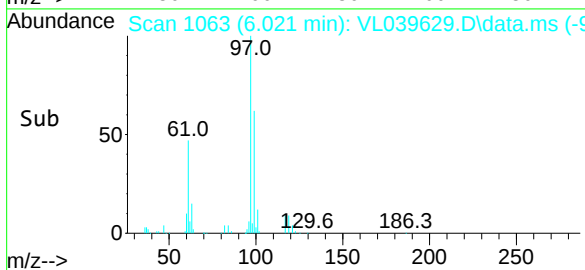
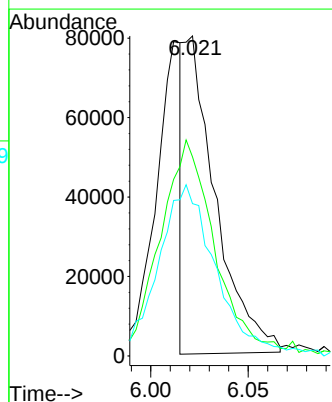
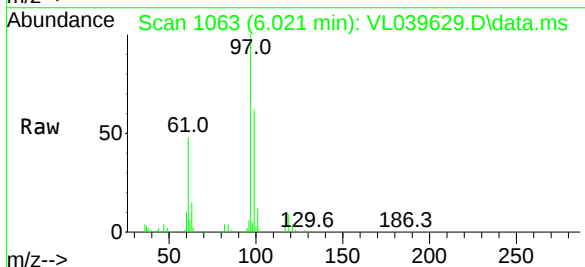
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

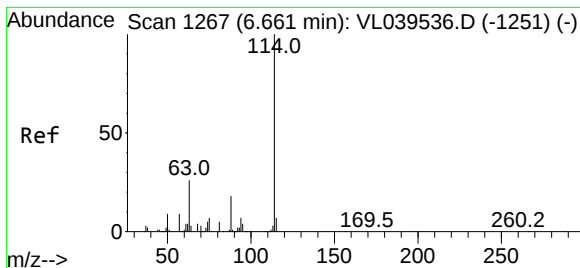
Tgt Ion: 61 Resp: 102252
 Ion Ratio Lower Upper
 61 100
 96 63.6 54.1 81.1
 98 36.5 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 0.595 ppbv
 RT: 6.021 min Scan# 1063
 Delta R.T. 0.007 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Tgt Ion: 97 Resp: 90033
 Ion Ratio Lower Upper
 97 100
 99 121.4 52.3 78.5#
 61 100.2 40.9 61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 114

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

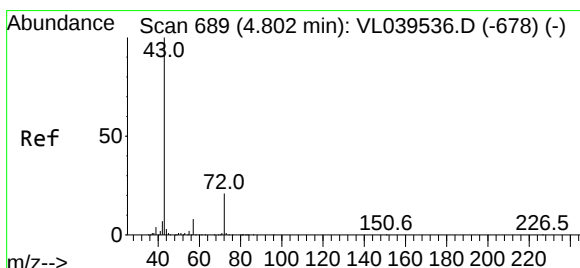
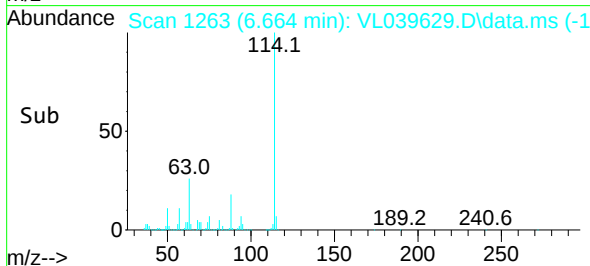
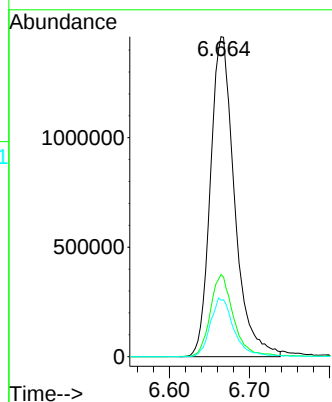
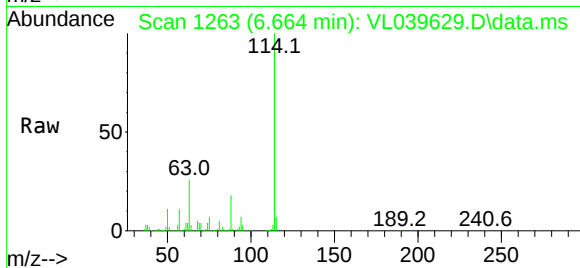
Tgt Ion:114 Resp: 3060612

Ion Ratio Lower Upper

114 100

63 25.1 20.2 30.4

88 18.2 14.5 21.7



#34

2-Butanone

Concen: 1.036 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.010 min

Lab File: VL039629.D

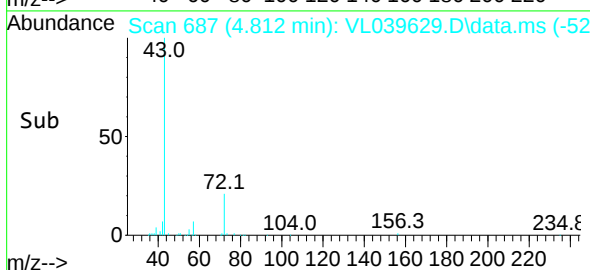
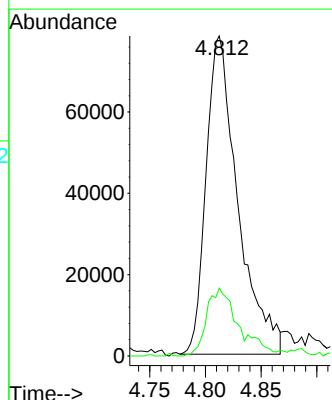
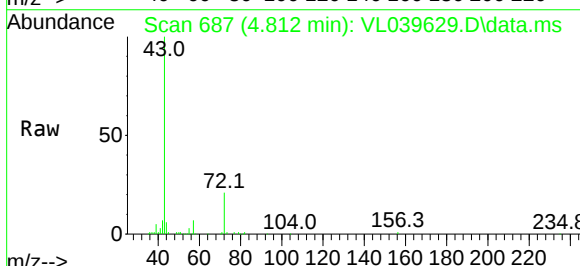
Acq: 19 Sep 2022 10:23

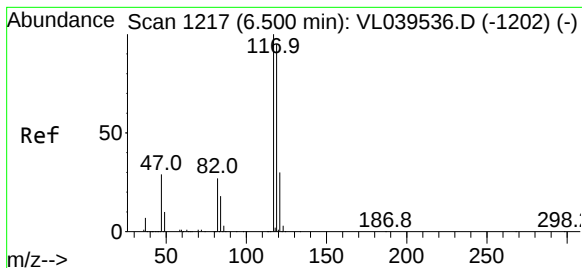
Tgt Ion: 43 Resp: 155756

Ion Ratio Lower Upper

43 100

72 22.0 17.9 26.9

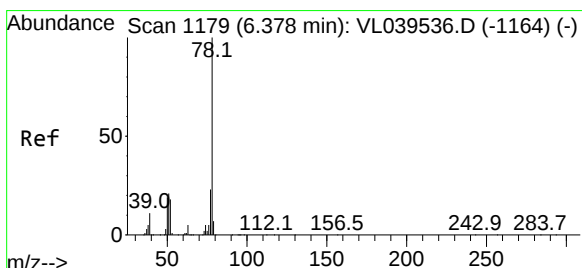
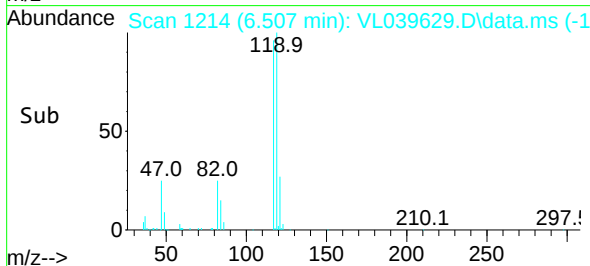
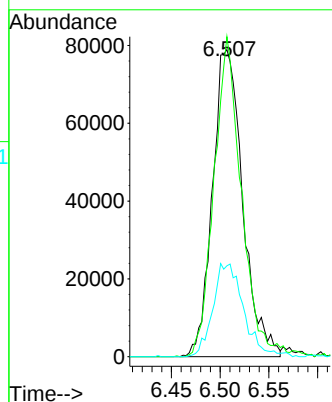
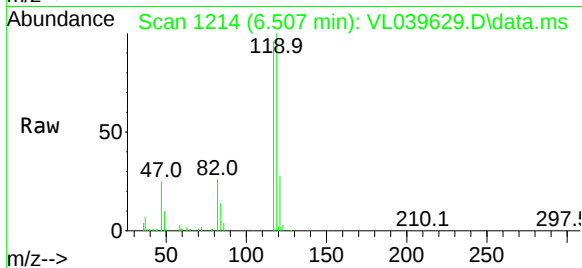




#35
Carbon Tetrachloride
Concen: 1.044 ppbv
RT: 6.507 min Scan# 1176
Delta R.T. 0.007 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

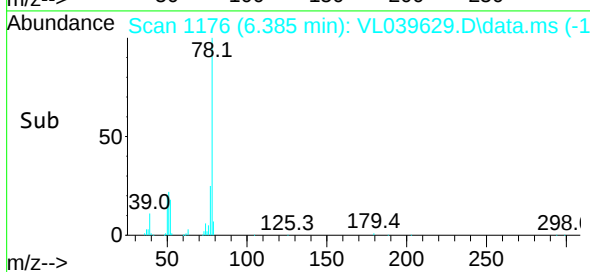
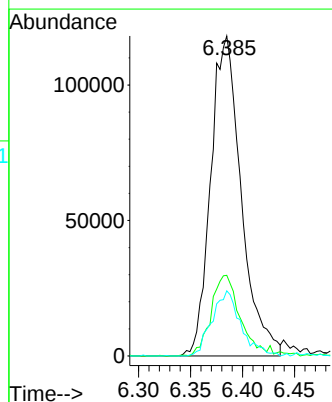
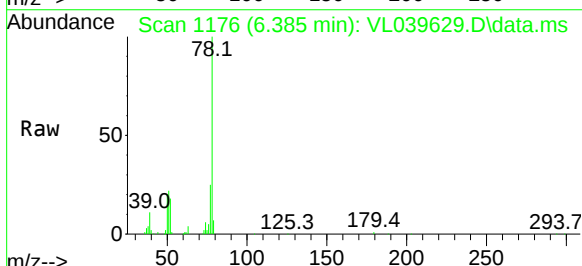
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

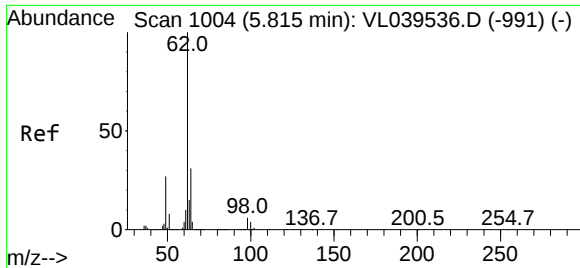
Tgt Ion:117 Resp: 169640
Ion Ratio Lower Upper
117 100
119 104.2 75.4 113.2
121 30.2 24.2 36.2



#36
Benzene
Concen: 1.031 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.007 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 78 Resp: 241164
Ion Ratio Lower Upper
78 100
77 25.0 20.3 30.5
50 20.4 15.5 23.3

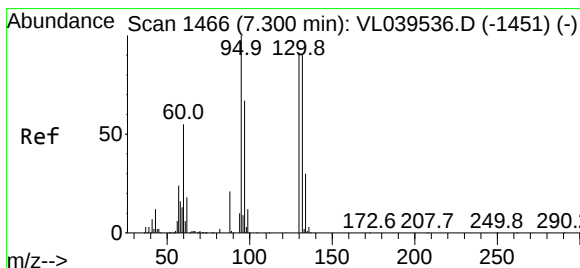
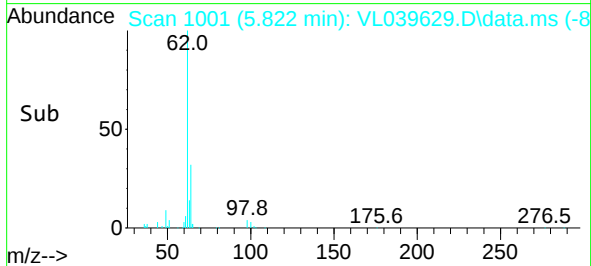
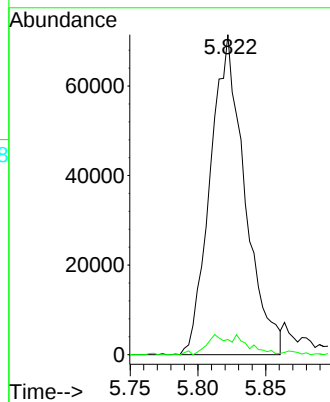
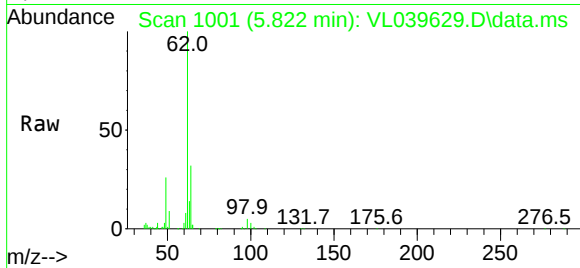




#37
1,2-Dichloroethane
Concen: 0.996 ppbv
RT: 5.822 min Scan# 1001
Delta R.T. 0.007 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

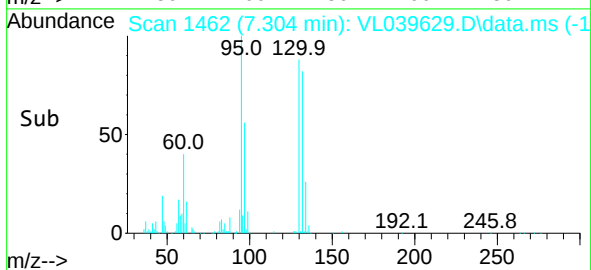
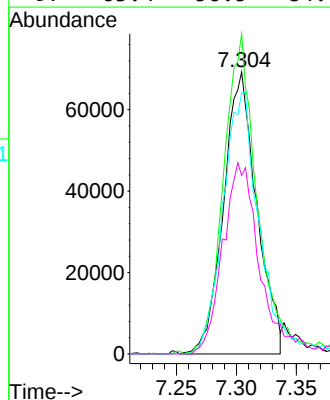
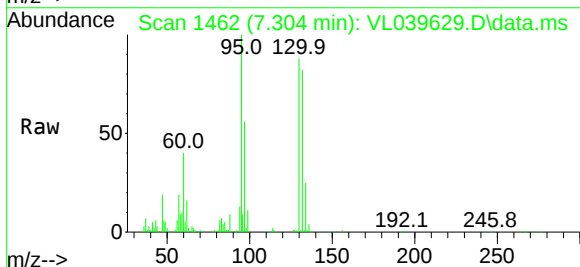
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

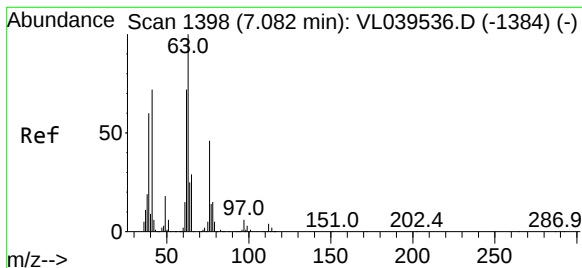
Tgt Ion: 62 Resp: 126784
Ion Ratio Lower Upper
62 100
98 7.3 5.1 7.7



#38
Trichloroethene
Concen: 1.054 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 130 Resp: 133278
Ion Ratio Lower Upper
130 100
95 112.4 87.3 130.9
132 92.6 76.7 115.1
97 63.4 56.5 84.7

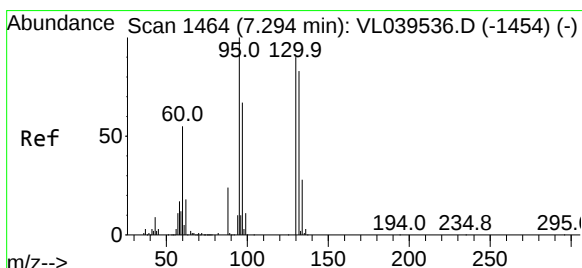
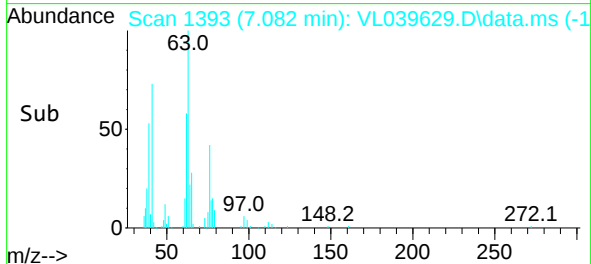
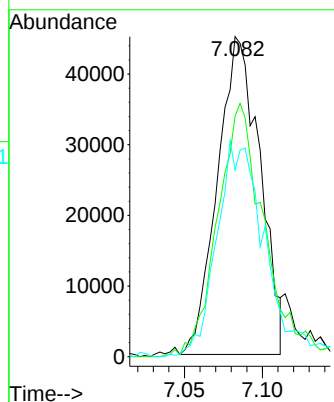
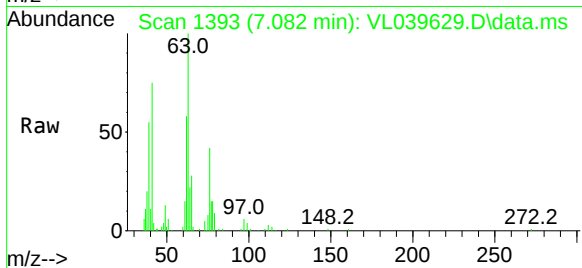




#39
1,2-Dichloropropane
Concen: 0.942 ppbv
RT: 7.082 min Scan# 11
Delta R.T. 0.001 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

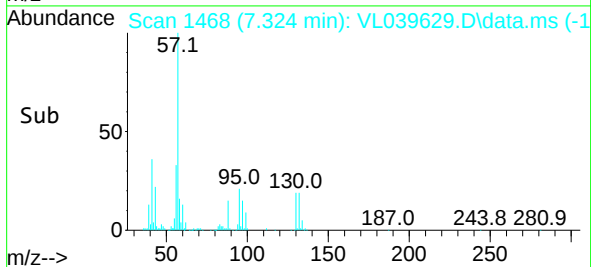
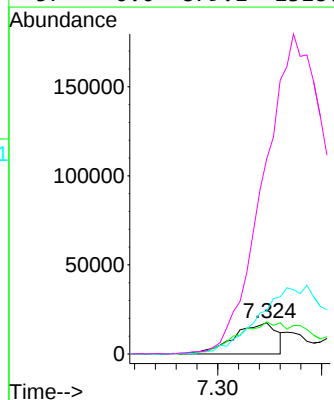
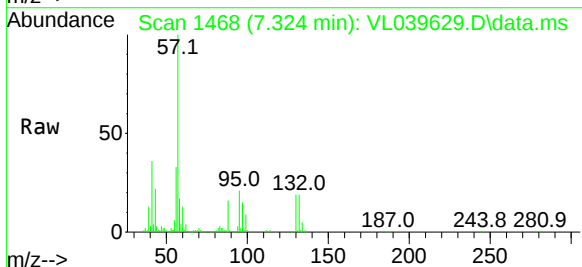
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

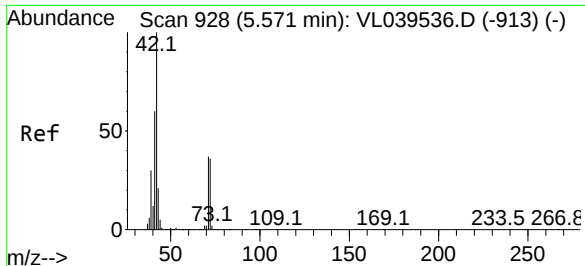
Tgt Ion: 63 Resp: 85116
Ion Ratio Lower Upper
63 100
41 75.1 59.6 89.4
62 57.9 51.4 77.0



#40
1,4-Dioxane
Concen: 0.680 ppbv
RT: 7.324 min Scan# 1468
Delta R.T. 0.030 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 88 Resp: 25093
Ion Ratio Lower Upper
88 100
58 211.2 100.2 150.4#
43 0.0 205.8 308.6#
57 0.0 879.1 1318.7#





#41

Tetrahydrofuran

Concen: 0.602 ppbv

RT: 5.587 min Scan# 91

Delta R.T. 0.017 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

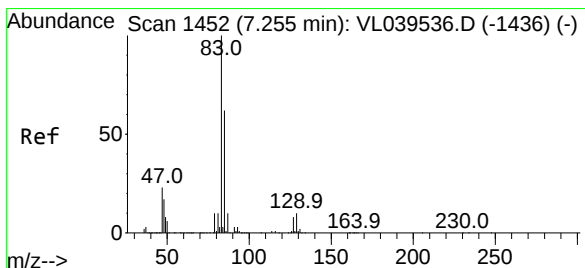
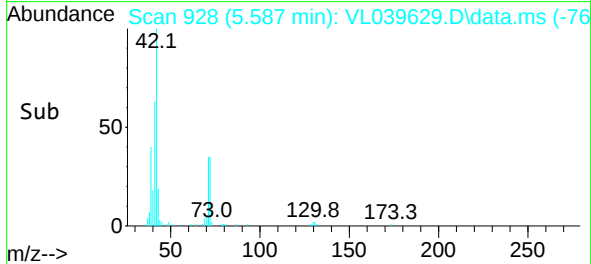
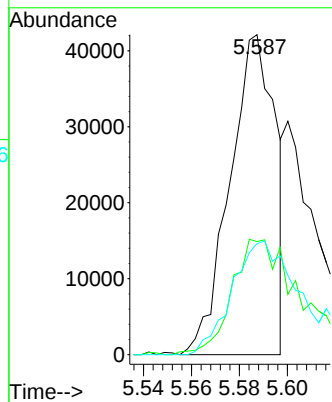
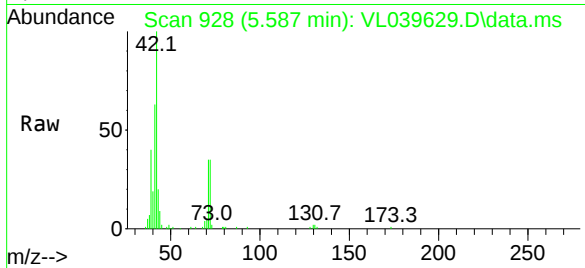
Tgt Ion: 42 Resp: 55490

Ion Ratio Lower Upper

42 100

72 61.4 31.8 47.8#

71 62.3 31.8 47.8#



#42

Bromodichloromethane

Concen: 0.995 ppbv

RT: 7.263 min Scan# 1449

Delta R.T. 0.007 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

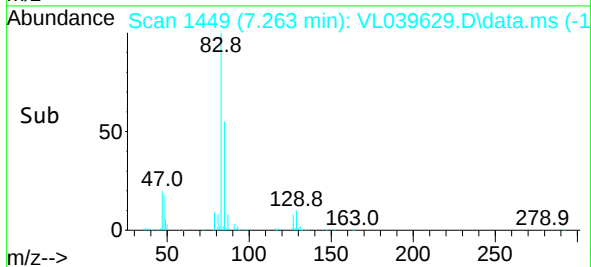
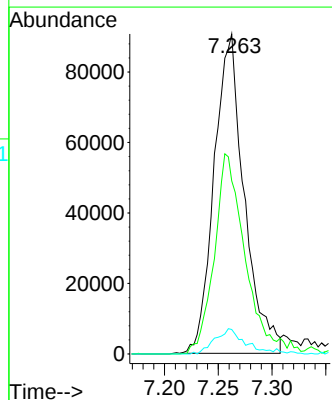
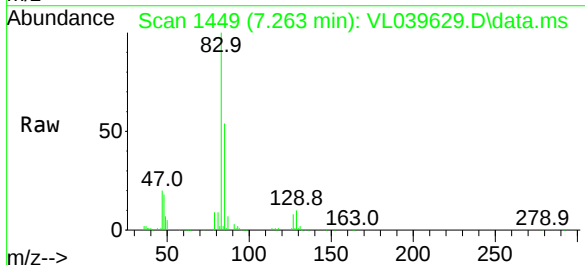
Tgt Ion: 83 Resp: 176250

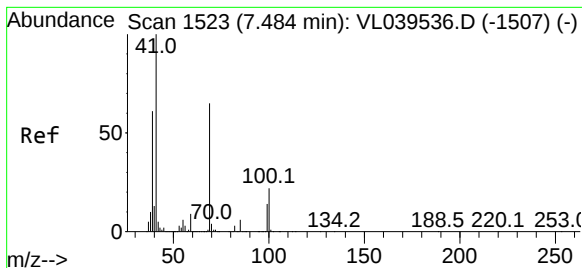
Ion Ratio Lower Upper

83 100

85 54.6 50.7 76.1

127 7.7 6.6 9.8





#43

Methyl Methacrylate

Concen: 0.939 ppbv

RT: 7.494 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

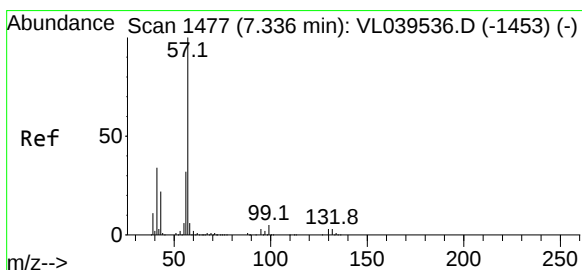
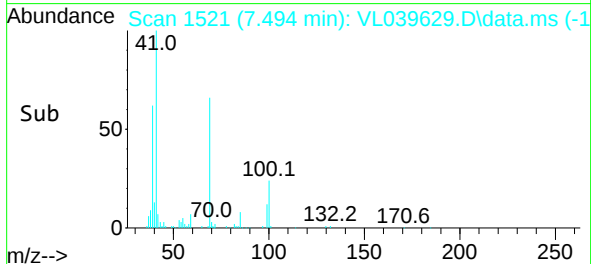
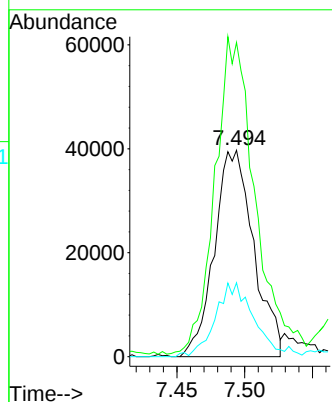
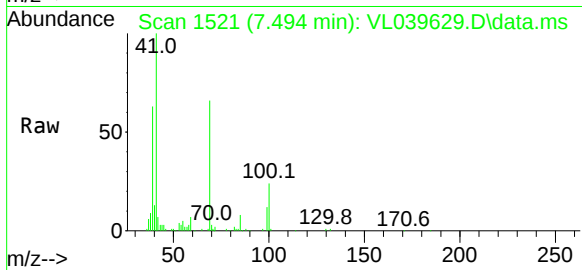
Tgt Ion: 69 Resp: 80057

Ion Ratio Lower Upper

69 100

41 158.1 120.8 181.2

100 35.3 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 1.047 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. 0.001 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

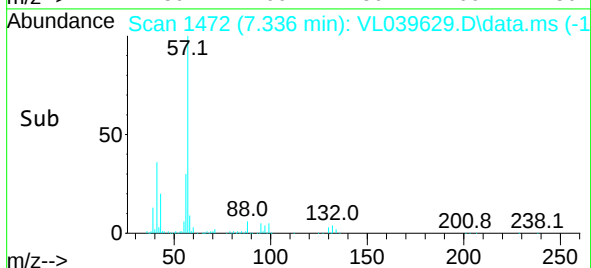
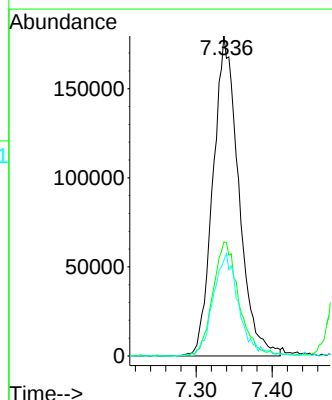
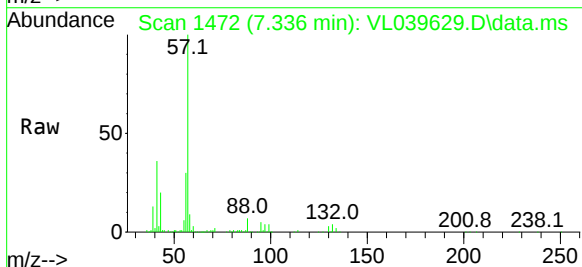
Tgt Ion: 57 Resp: 422092

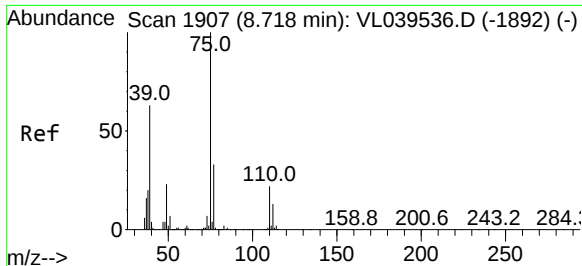
Ion Ratio Lower Upper

57 100

41 36.3 27.4 41.2

56 31.8 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 0.779 ppbv

RT: 8.719 min Scan# 1907

Delta R.T. 0.001 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

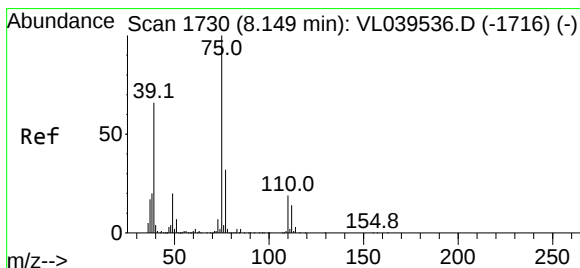
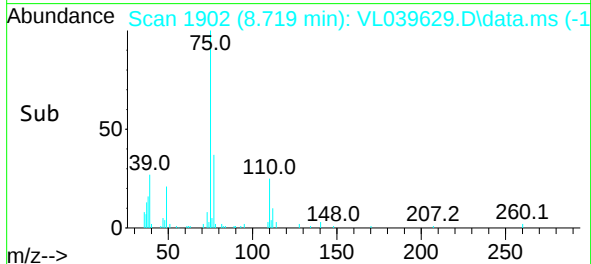
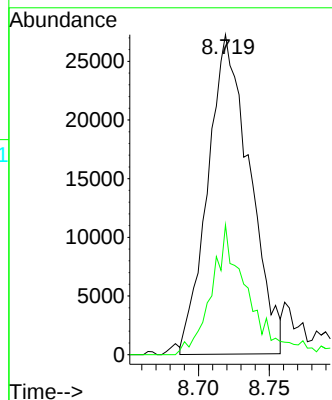
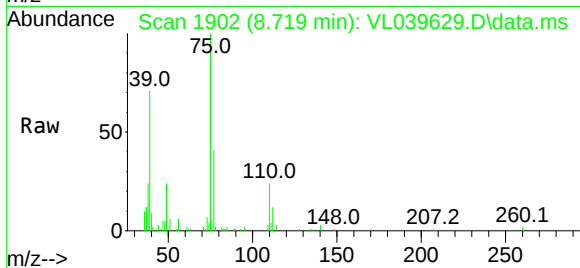
VSTDIC001

Tgt Ion: 75 Resp: 56176

Ion Ratio Lower Upper

75 100

77 40.6 24.6 36.8#



#46

cis-1,3-Dichloropropene

Concen: 0.874 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.007 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

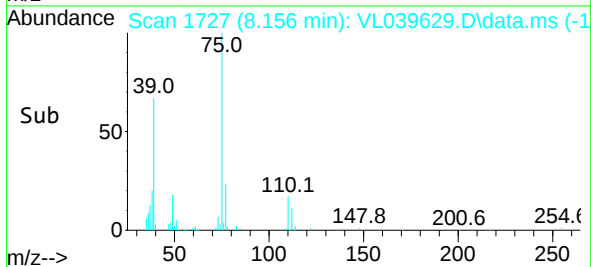
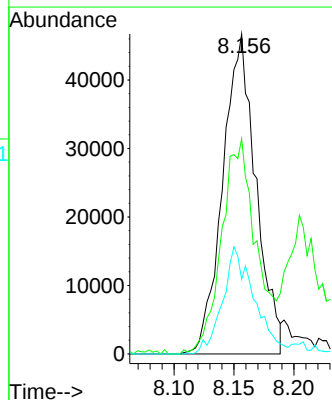
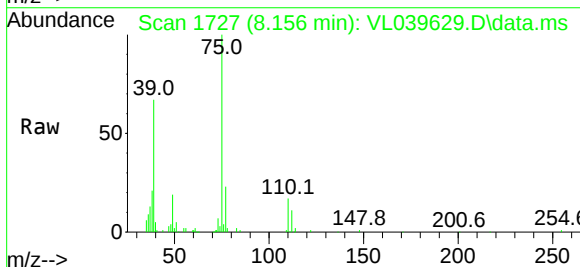
Tgt Ion: 75 Resp: 89657

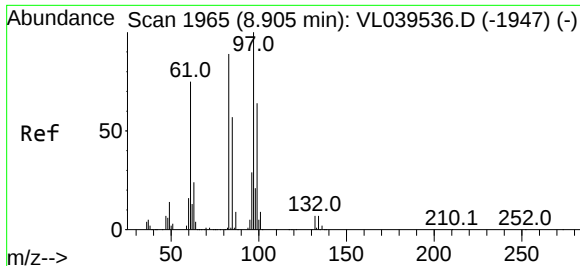
Ion Ratio Lower Upper

75 100

39 67.2 55.0 82.4

77 23.3 25.7 38.5#

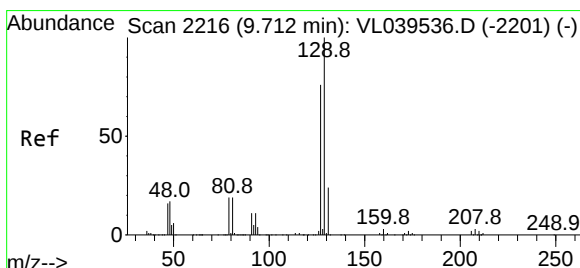
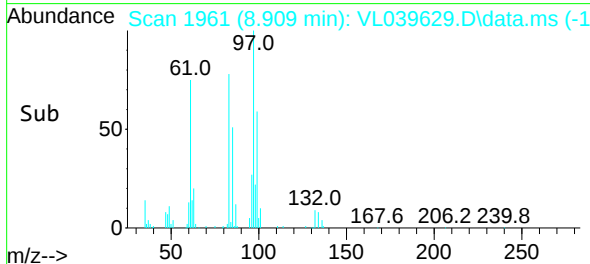
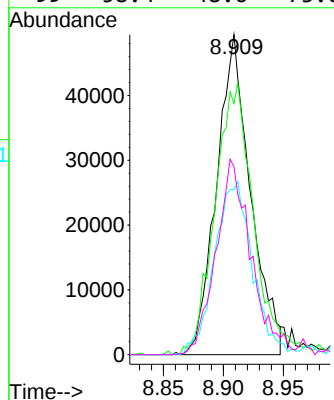
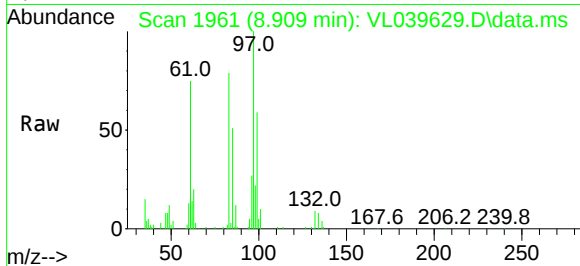




#47
1,1,2-Trichloroethane
Concen: 0.985 ppbv
RT: 8.909 min Scan# 1965
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

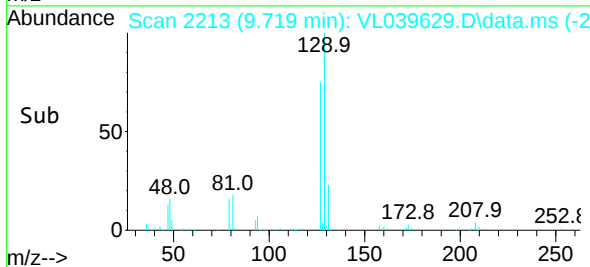
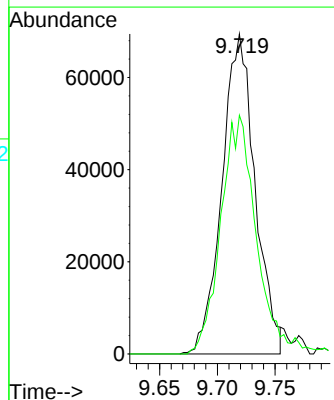
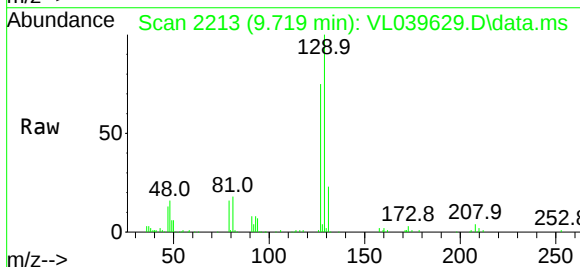
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

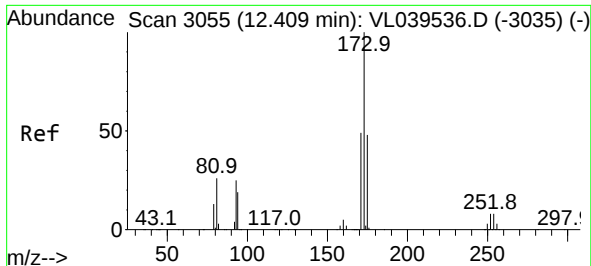
Tgt Ion: 97	Resp: 97292
Ion Ratio	Lower Upper
97 100	
83 78.5	67.4 101.0
85 51.5	45.1 67.7
99 58.4	48.6 73.0



#48
Dibromochloromethane
Concen: 0.932 ppbv
RT: 9.719 min Scan# 2213
Delta R.T. 0.007 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion:129	Resp: 138541
Ion Ratio	Lower Upper
129 100	
127 81.2	39.3 117.9

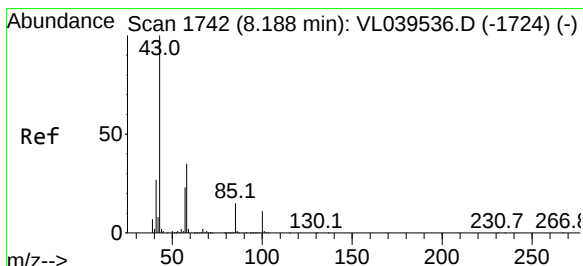
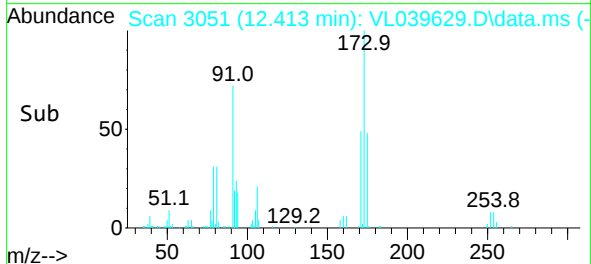
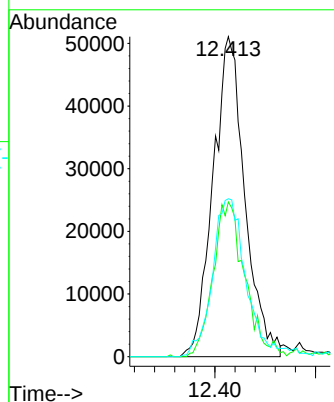
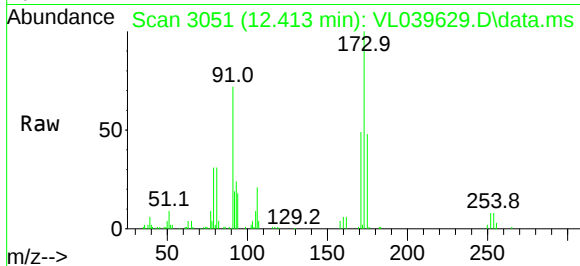




#49
Bromoform
Concen: 0.908 ppbv
RT: 12.413 min Scan# 3055
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

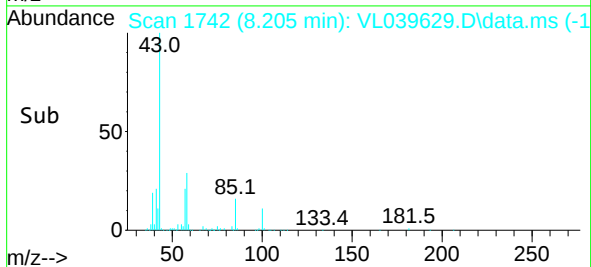
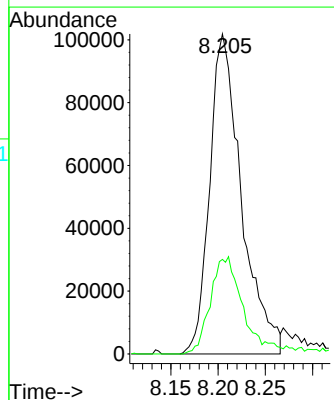
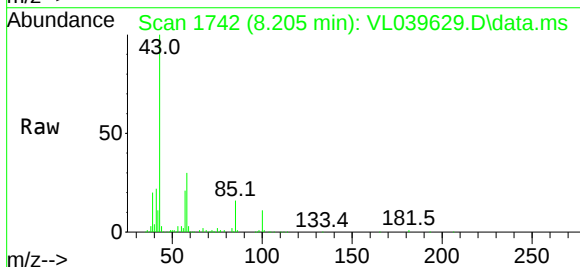
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

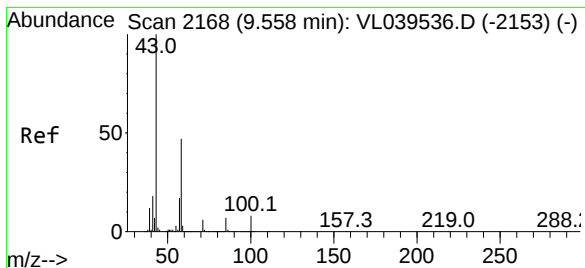
Tgt Ion:173 Resp: 111739
Ion Ratio Lower Upper
173 100
175 49.2 40.3 60.5
171 52.9 42.9 64.3



#50
4-Methyl-2-Pentanone
Concen: 1.008 ppbv
RT: 8.205 min Scan# 1742
Delta R.T. 0.017 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 43 Resp: 238175
Ion Ratio Lower Upper
43 100
58 32.0 28.8 43.2

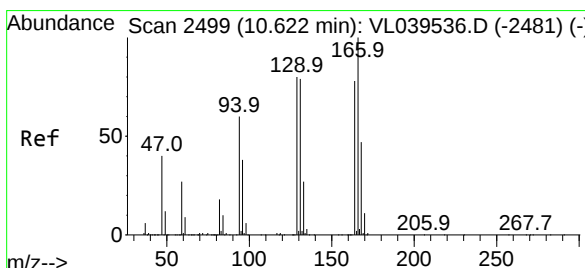
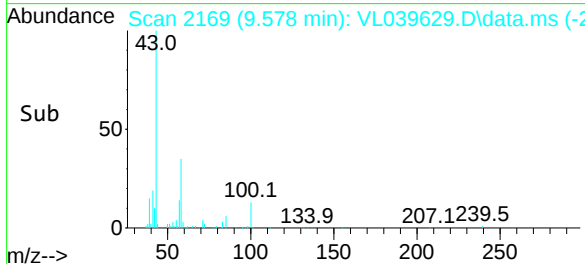
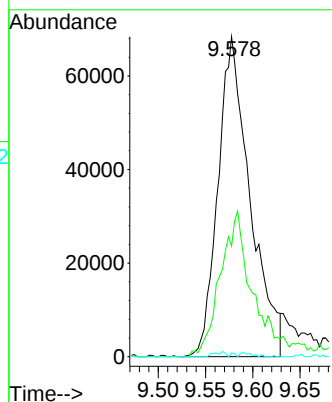
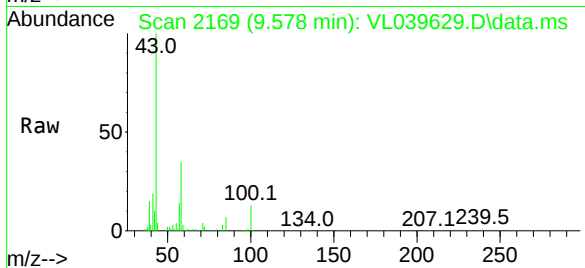




#51
2-Hexanone
Concen: 0.922 ppbv
RT: 9.578 min Scan# 2168
Delta R.T. 0.020 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

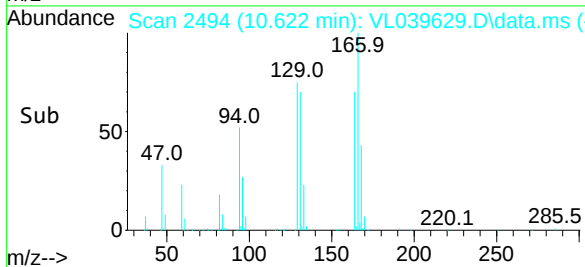
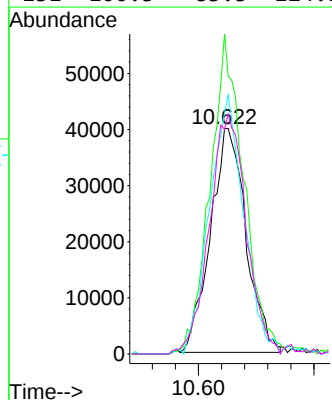
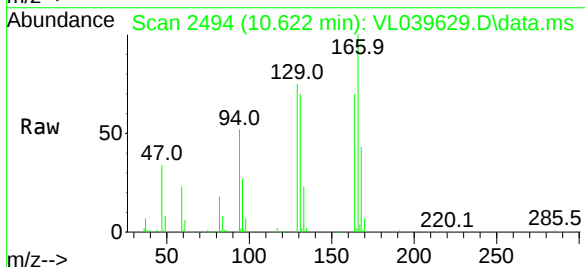
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

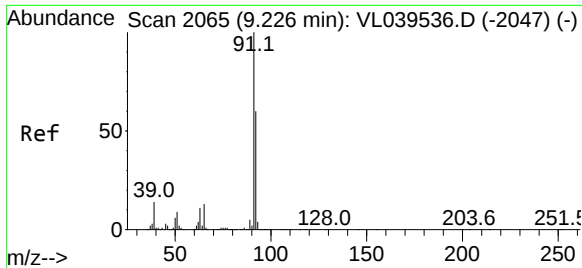
Tgt Ion: 43 Resp: 161285
Ion Ratio Lower Upper
43 100
58 49.9 38.4 57.6
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.957 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. 0.001 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 164 Resp: 85476
Ion Ratio Lower Upper
164 100
166 141.0 102.2 153.2
129 107.6 85.8 128.8
131 100.3 83.3 124.9

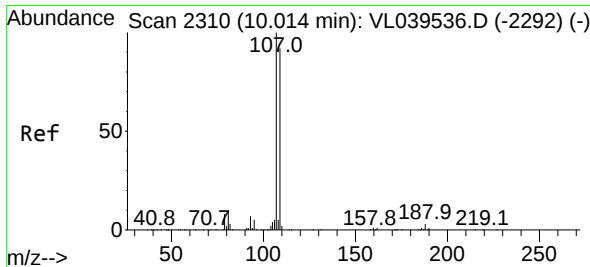
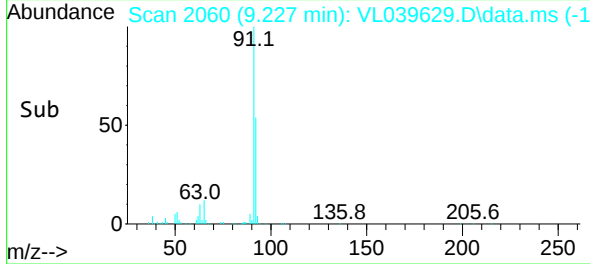
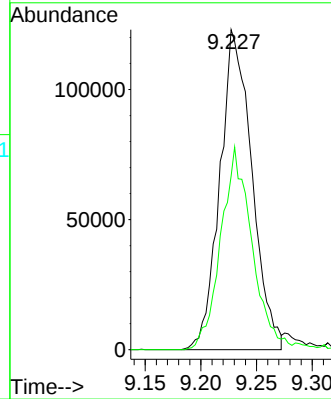
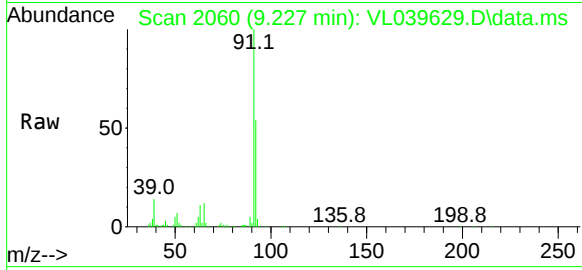




#53
Toluene
Concen: 0.944 ppbv
RT: 9.227 min Scan# 2065
Delta R.T. 0.001 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

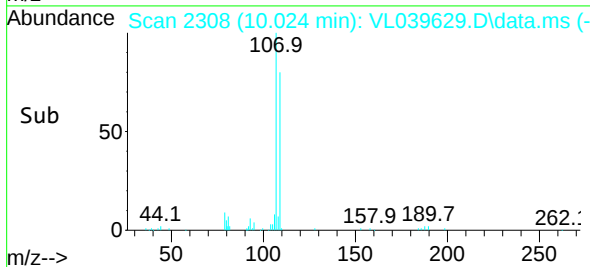
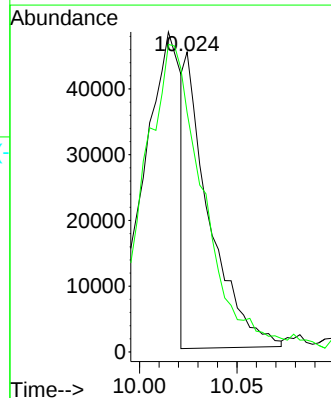
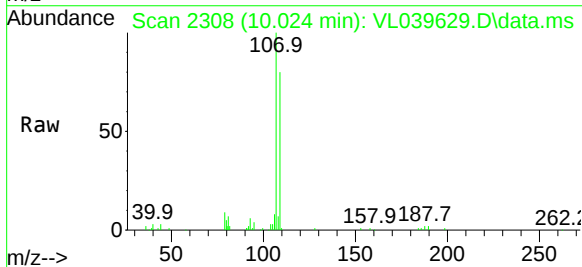
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

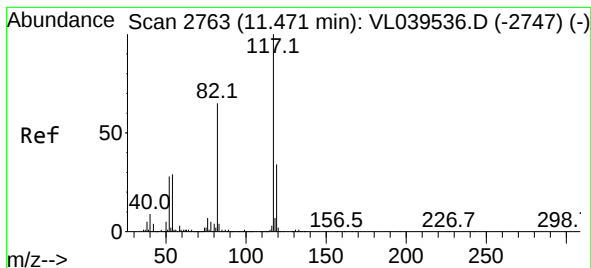
Tgt Ion: 91 Resp: 245655
Ion Ratio Lower Upper
91 100
92 63.1 48.2 72.2



#54
1,2-Dibromoethane
Concen: 0.377 ppbv
RT: 10.024 min Scan# 2308
Delta R.T. 0.010 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 107 Resp: 39842
Ion Ratio Lower Upper
107 100
109 78.1 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.475 min Scan# 21

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

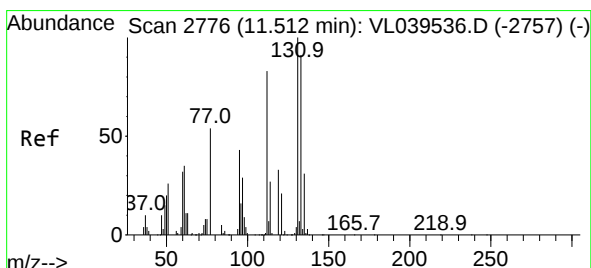
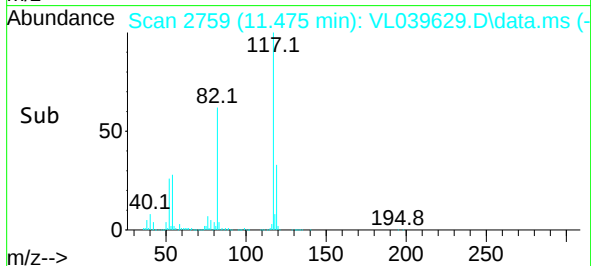
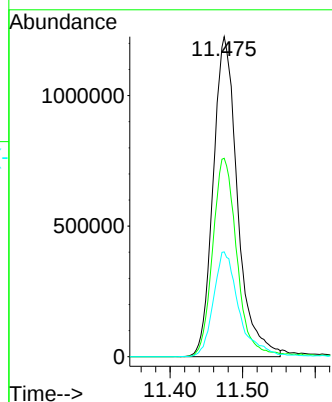
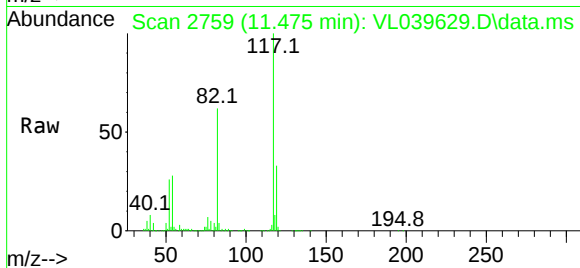
Tgt Ion:117 Resp: 2859205

Ion Ratio Lower Upper

117 100

82 62.5 50.8 76.2

119 35.2 24.1 36.1



#56

1,1,1,2-Tetrachloroethane

Concen: 1.015 ppbv

RT: 11.523 min Scan# 2774

Delta R.T. 0.010 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

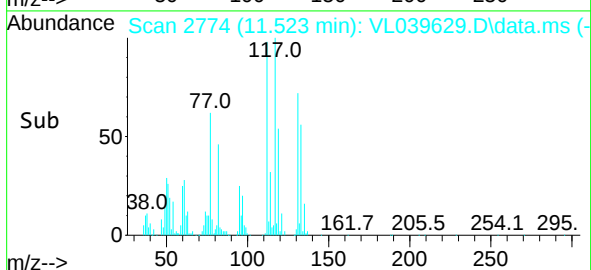
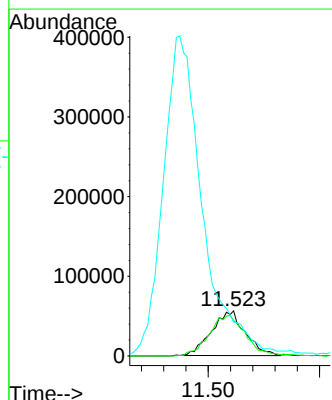
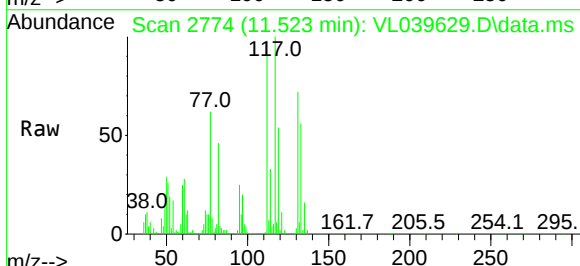
Tgt Ion:131 Resp: 117221

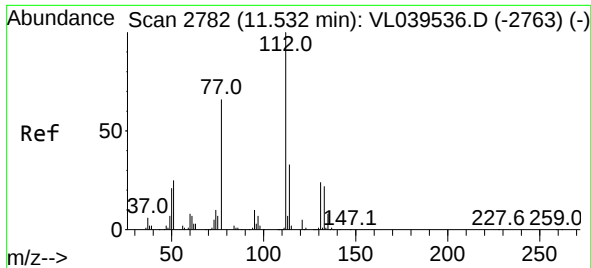
Ion Ratio Lower Upper

131 100

133 99.4 76.8 115.2

119 858.0 46.2 69.4#

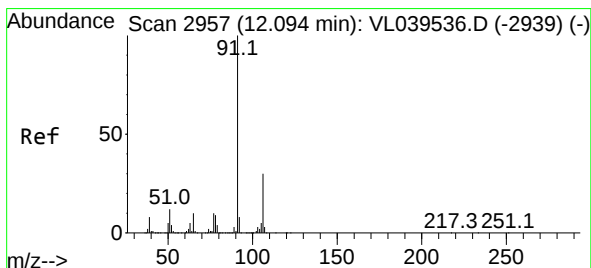
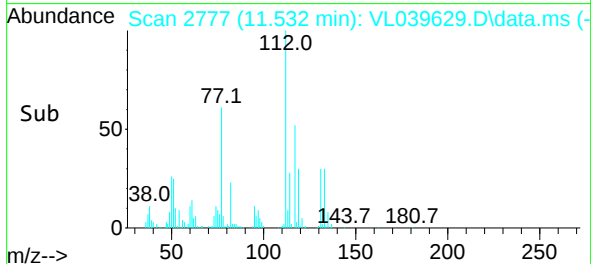
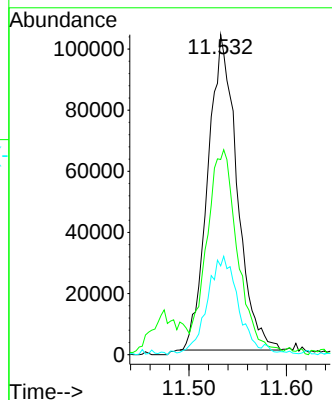
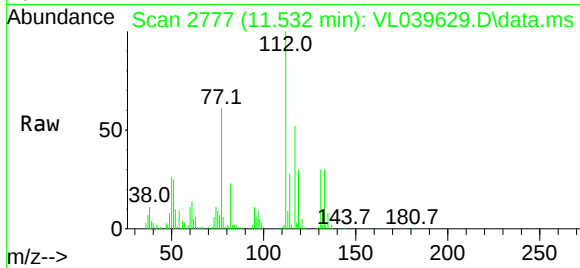




#57
Chlorobenzene
Concen: 1.023 ppbv
RT: 11.532 min Scan# 21
Delta R.T. 0.001 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

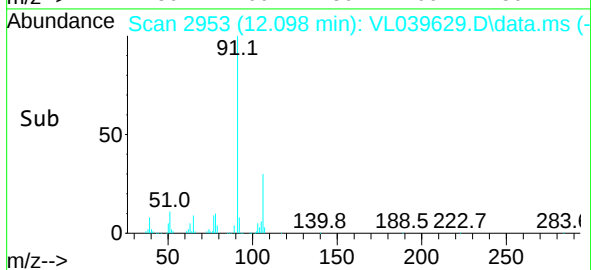
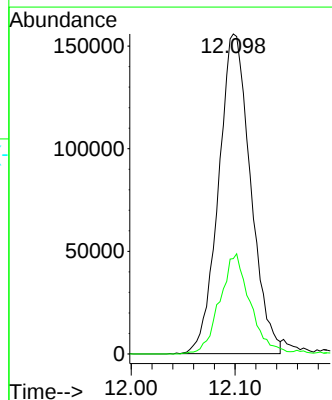
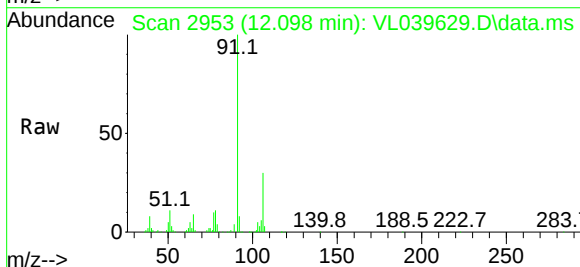
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

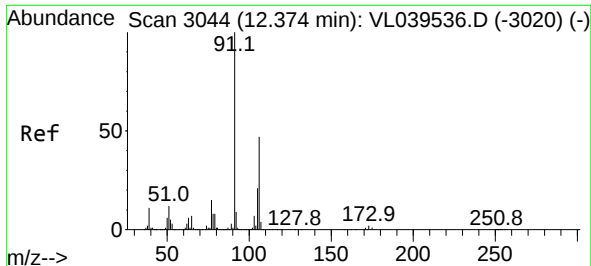
Tgt Ion:112 Resp: 215157
Ion Ratio Lower Upper
112 100
77 60.1 51.0 76.4
114 27.4 27.5 33.6#



#58
Ethyl Benzene
Concen: 1.010 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 91 Resp: 333061
Ion Ratio Lower Upper
91 100
106 29.9 25.4 38.0

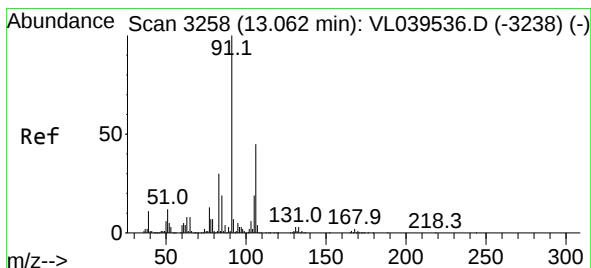
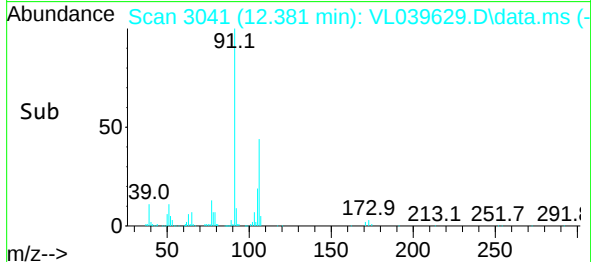
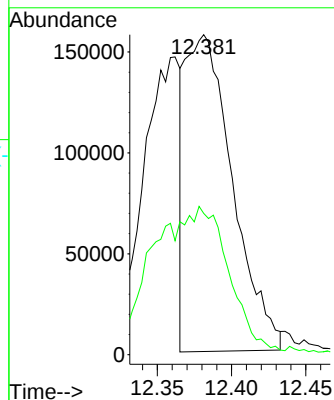
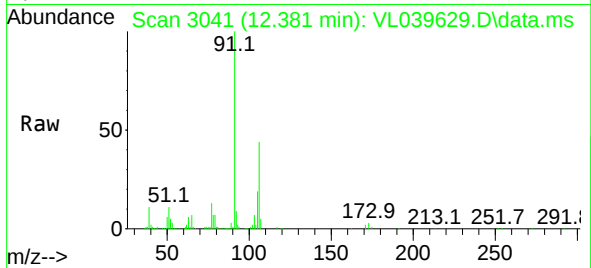




#59
m/p-Xylene
Concen: 1.180 ppbv
RT: 12.381 min Scan# 3044
Delta R.T. 0.007 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

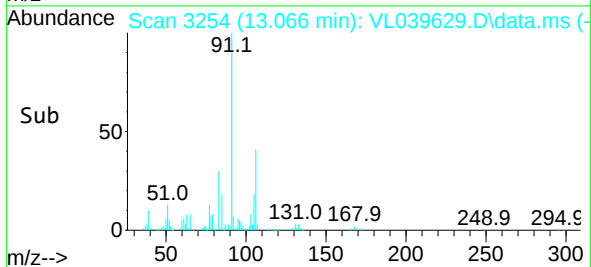
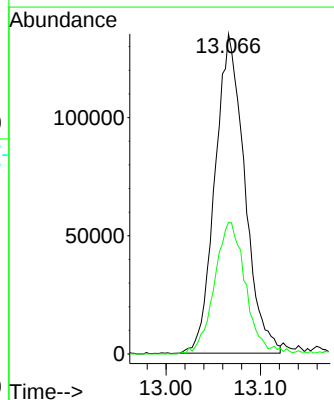
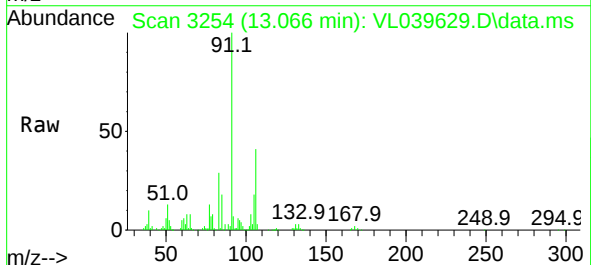
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

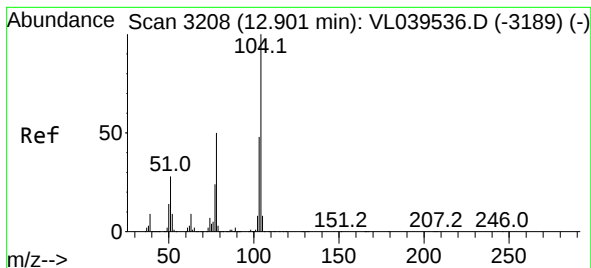
Tgt Ion: 91 Resp: 346242
Ion Ratio Lower Upper
91 100
106 79.5 35.4 53.2#



#60
o-Xylene
Concen: 1.049 ppbv
RT: 13.066 min Scan# 3254
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 91 Resp: 293938
Ion Ratio Lower Upper
91 100
106 44.1 22.4 67.3





#61

Styrene

Concen: 0.930 ppbv

RT: 12.905 min Scan# 31

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

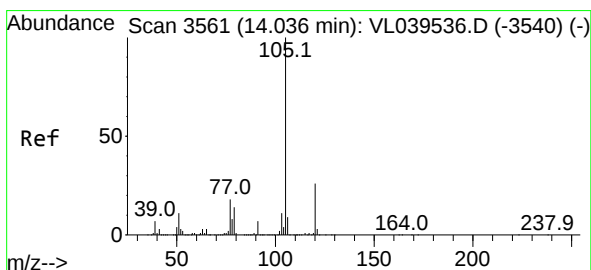
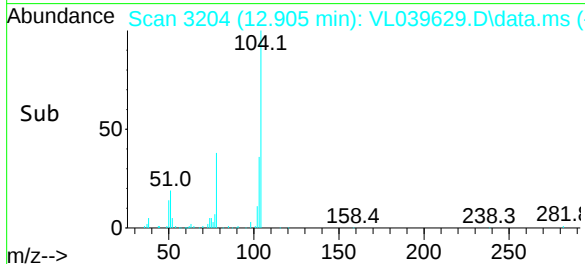
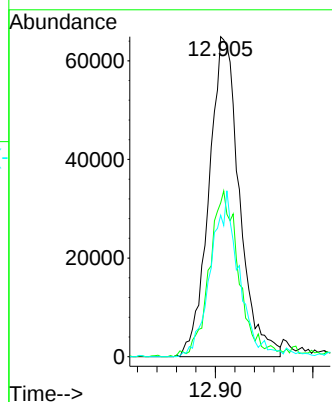
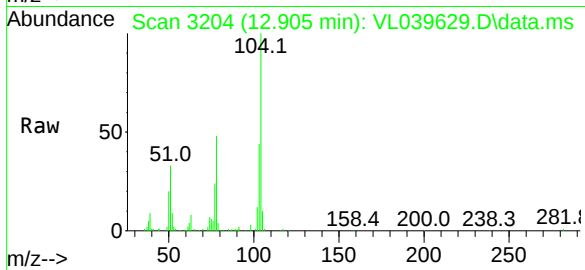
Tgt Ion:104 Resp: 140353

Ion Ratio Lower Upper

104 100

78 51.5 41.2 61.8

103 48.8 38.7 58.1



#62

Isopropylbenzene

Concen: 1.071 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. 0.001 min

Lab File: VL039629.D

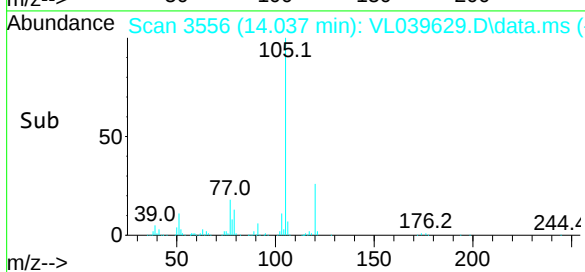
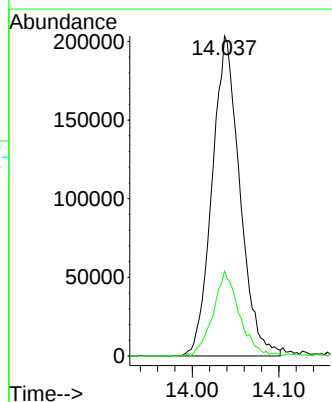
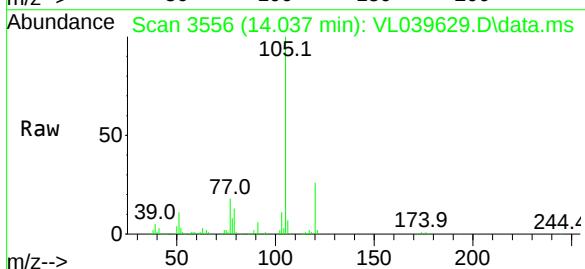
Acq: 19 Sep 2022 10:23

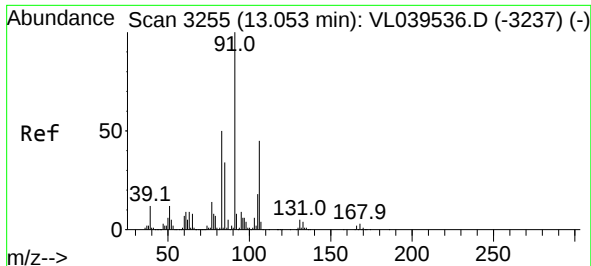
Tgt Ion:105 Resp: 451703

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

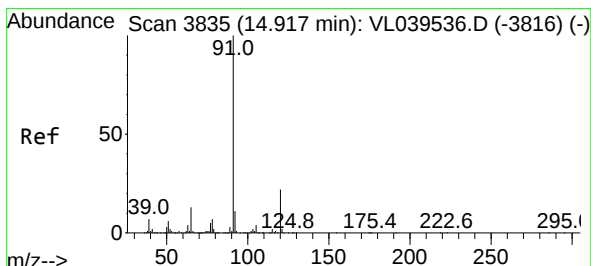
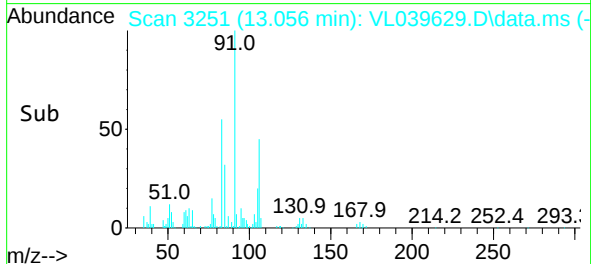
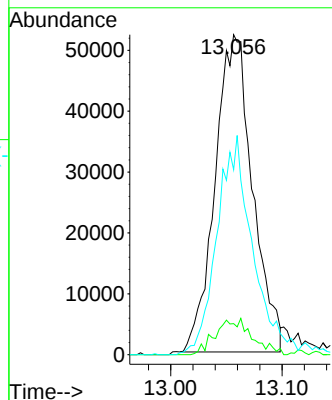
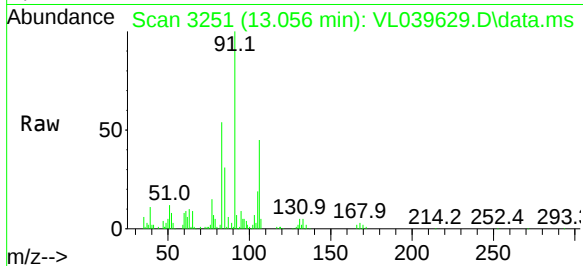




#63
1,1,2,2-Tetrachloroethane
Concen: 1.094 ppbv
RT: 13.056 min Scan# 31
Delta R.T. 0.004 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

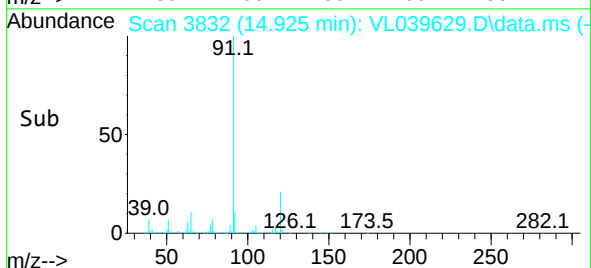
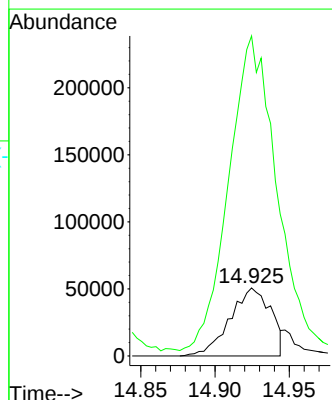
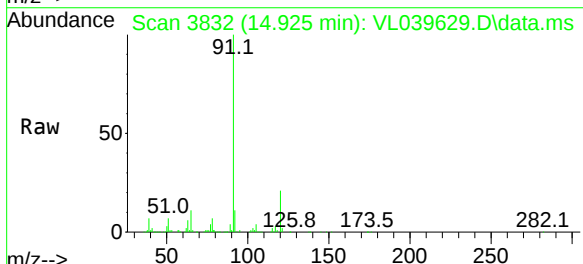
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

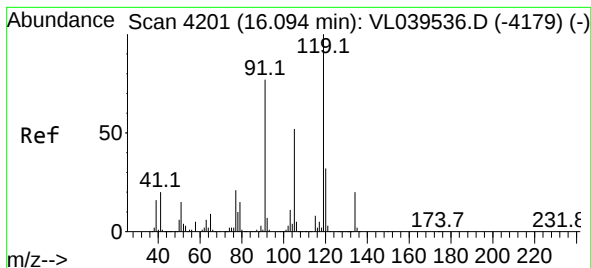
Tgt Ion: 83 Resp: 122225
Ion Ratio Lower Upper
83 100
131 11.6 5.3 15.8
85 66.6 33.1 99.5



#64
n-propylbenzene
Concen: 0.901 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. 0.007 min
Lab File: VL039629.D
Acq: 19 Sep 2022 10:23

Tgt Ion: 120 Resp: 97241
Ion Ratio Lower Upper
120 100
91 582.3 367.2 550.8#





#65

tert-Butylbenzene

Concen: 1.085 ppbv

RT: 16.098 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

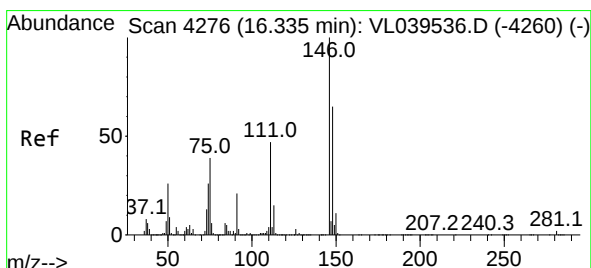
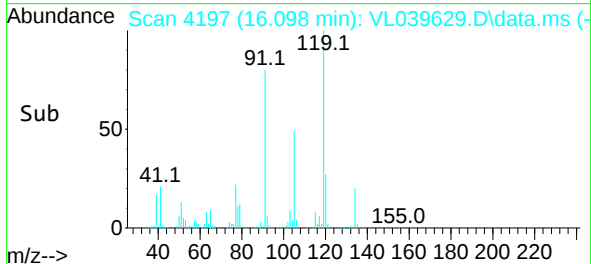
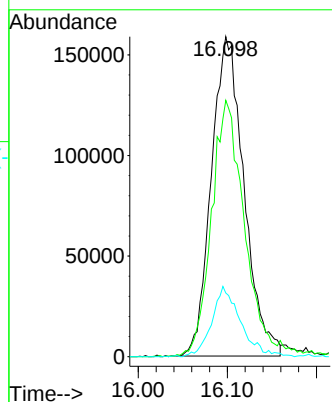
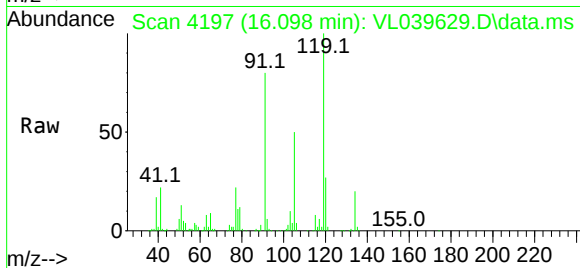
Tgt Ion:119 Resp: 404020

Ion Ratio Lower Upper

119 100

91 82.9 63.4 95.2

134 19.7 15.9 23.9



#66

Benzyl Chloride

Concen: 0.273 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. -0.006 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

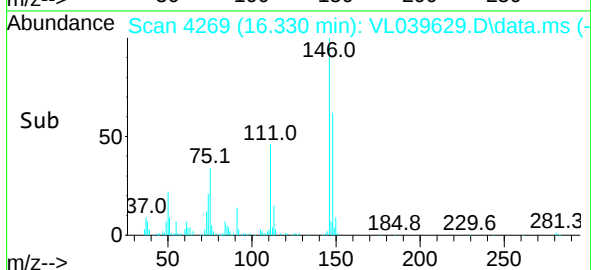
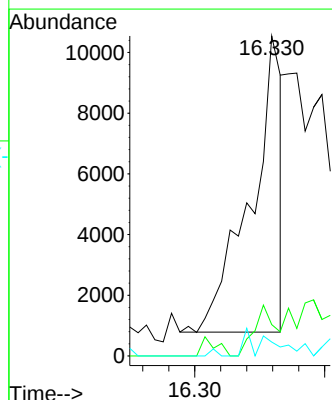
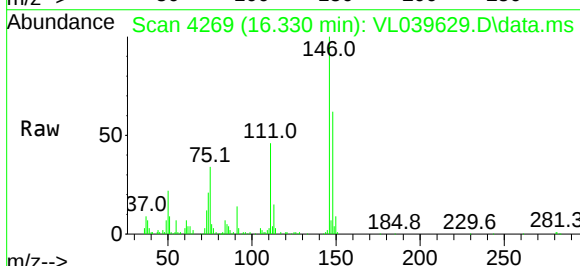
Tgt Ion: 91 Resp: 8083

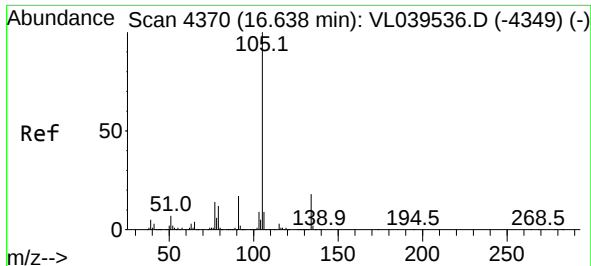
Ion Ratio Lower Upper

91 100

126 47.8 13.1 19.7#

128 12.9 4.4 6.6#

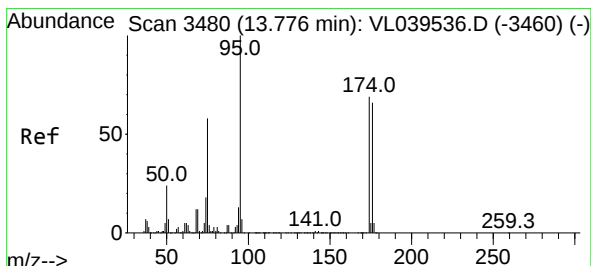
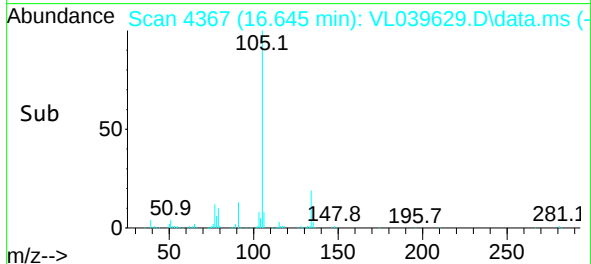
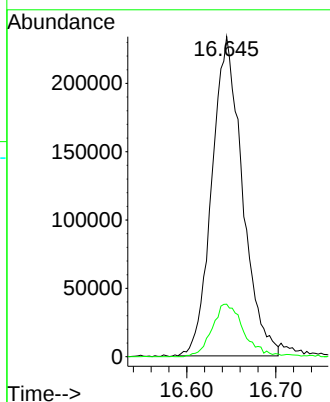
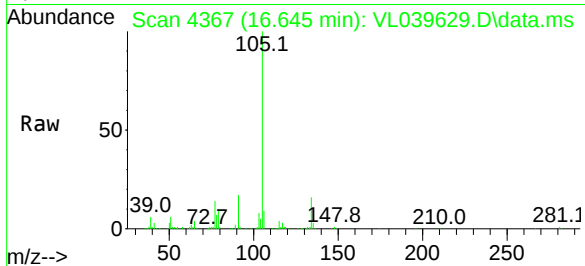




#67
 sec-Butylbenzene
 Concen: 1.067 ppbv
 RT: 16.645 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

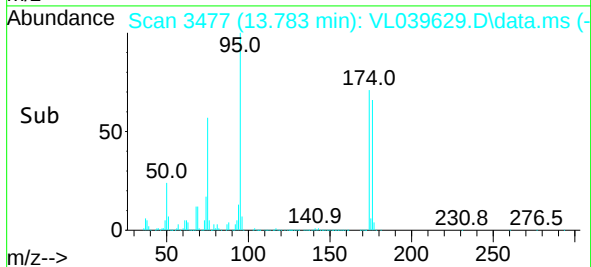
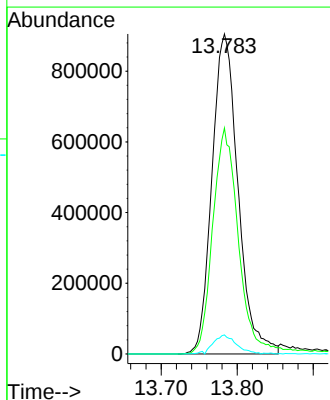
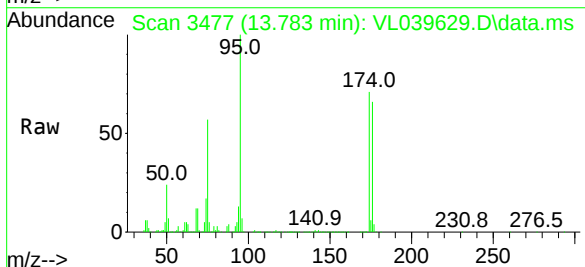
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

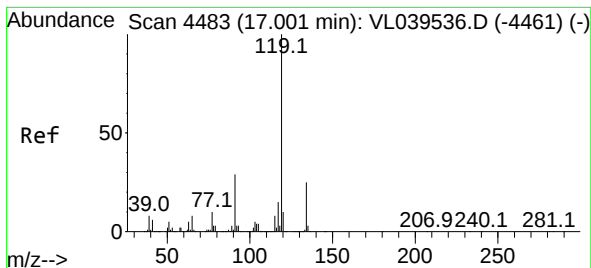
Tgt Ion:105 Resp: 557194
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.101 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.007 min
 Lab File: VL039629.D
 Acq: 19 Sep 2022 10:23

Tgt Ion: 95 Resp: 2155854
 Ion Ratio Lower Upper
 95 100
 174 72.0 55.9 83.9
 175 5.4 4.2 6.4





#69

p-Isopropyltoluene

Concen: 1.061 ppbv

RT: 17.005 min Scan# 4483

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

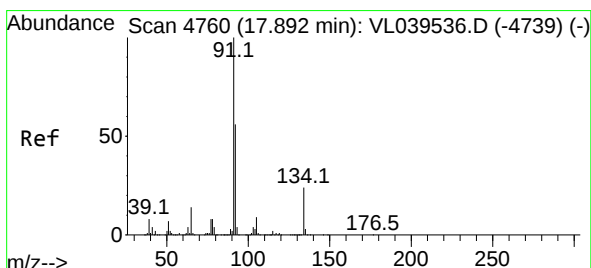
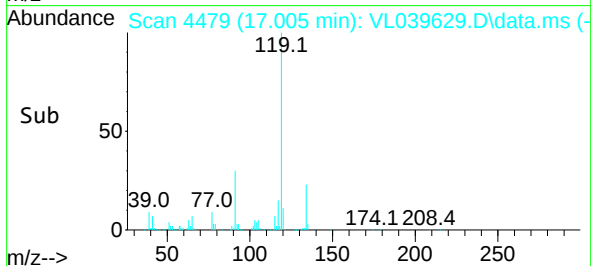
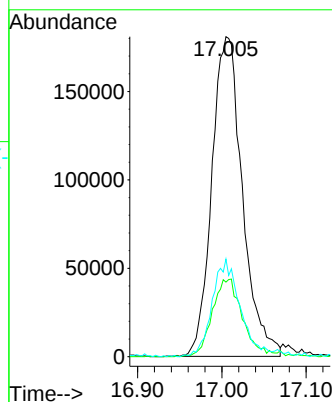
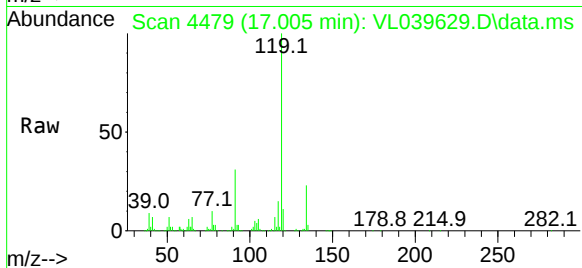
Tgt Ion:119 Resp: 455399

Ion Ratio Lower Upper

119 100

134 24.8 20.3 30.5

91 28.8 22.9 34.3



#70

n-Butylbenzene

Concen: 1.032 ppbv

RT: 17.895 min Scan# 4756

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

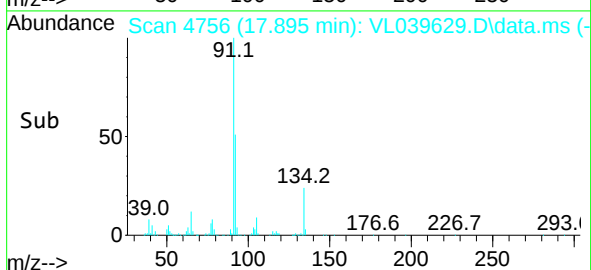
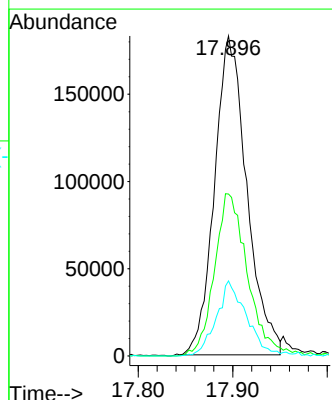
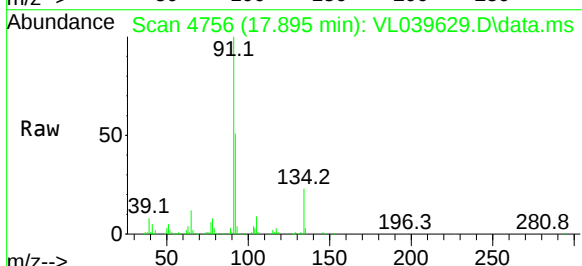
Tgt Ion: 91 Resp: 434078

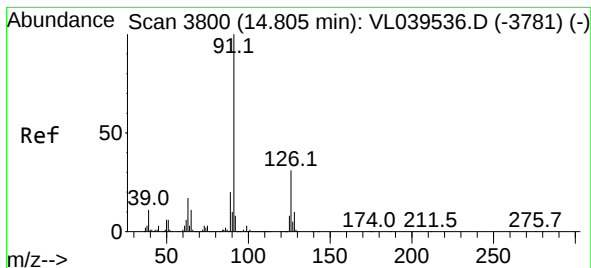
Ion Ratio Lower Upper

91 100

92 53.0 43.4 65.2

134 22.4 18.9 28.3





#71

2-Chlorotoluene

Concen: 1.060 ppbv

RT: 14.809 min Scan# 31

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

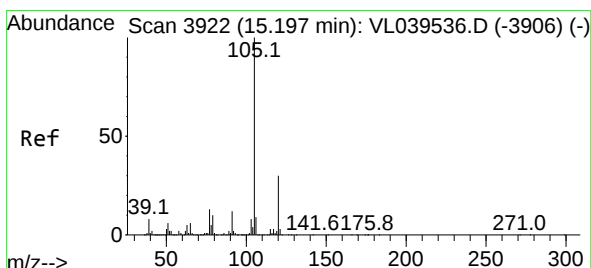
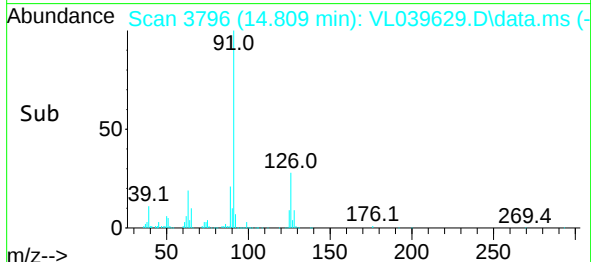
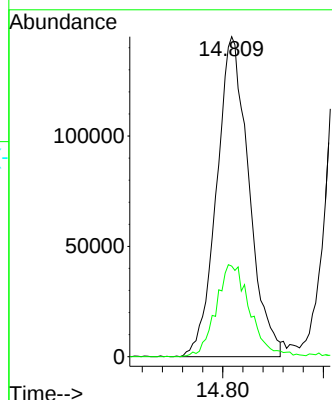
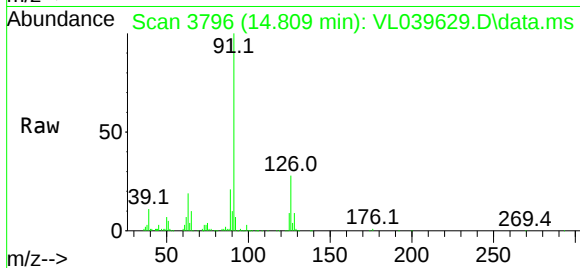
VSTDICC001

Tgt Ion: 91 Resp: 322528

Ion Ratio Lower Upper

91 100

126 30.4 13.0 51.8



#72

4-Ethyltoluene

Concen: 1.015 ppbv

RT: 15.201 min Scan# 3918

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Tgt Ion: 105 Resp: 324785

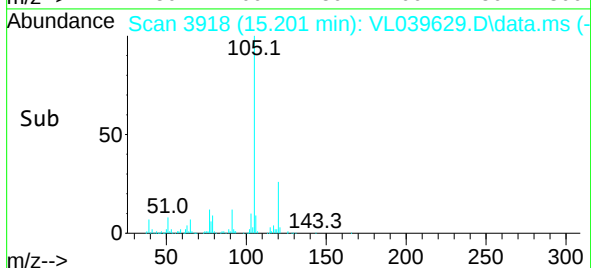
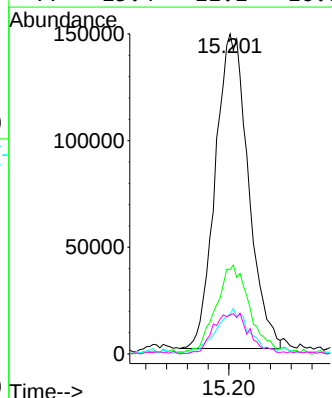
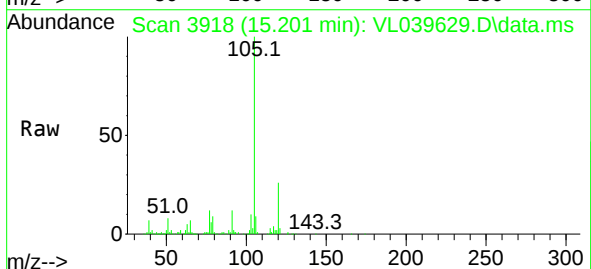
Ion Ratio Lower Upper

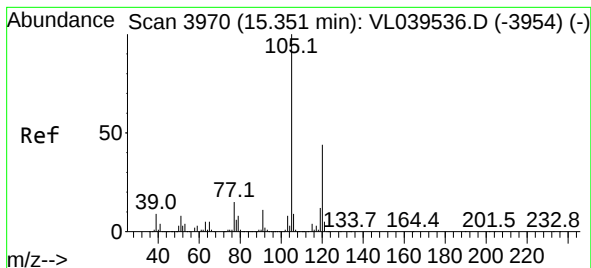
105 100

120 29.7 24.2 36.2

91 14.6 10.2 15.4

77 15.4 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 1.037 ppbv

RT: 15.362 min Scan# 3970

Delta R.T. 0.010 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_1

ClientSampleId :

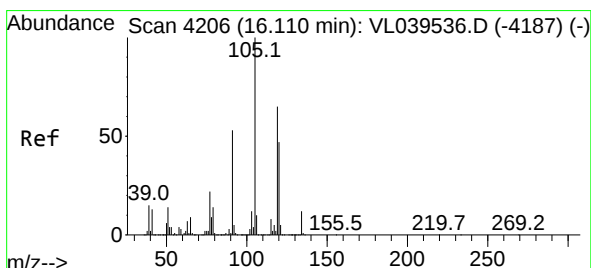
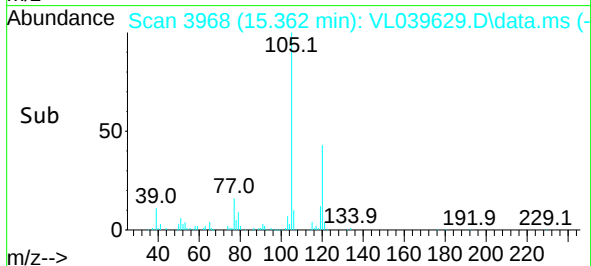
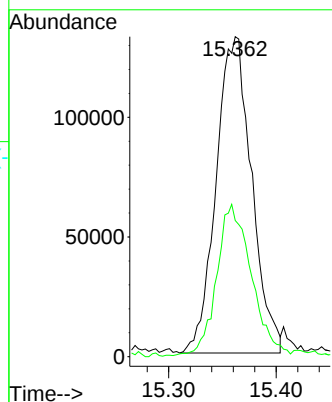
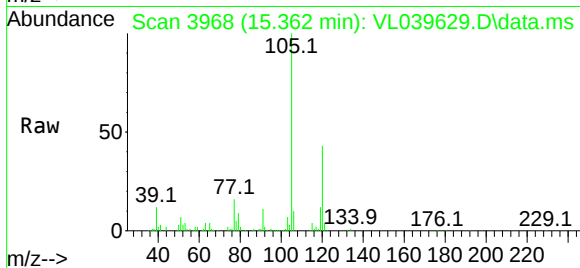
VSTDIC001

Tgt Ion:105 Resp: 303557

Ion Ratio Lower Upper

105 100

120 42.2 38.2 57.4



#74

1,2,4-Trimethylbenzene

Concen: 1.053 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Tgt Ion:105 Resp: 345583

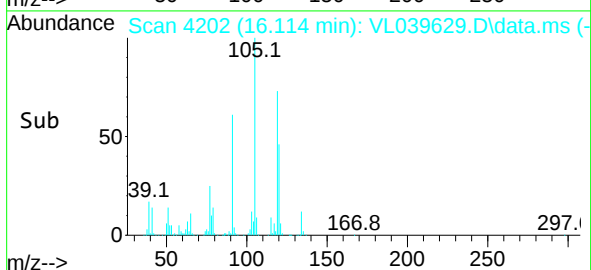
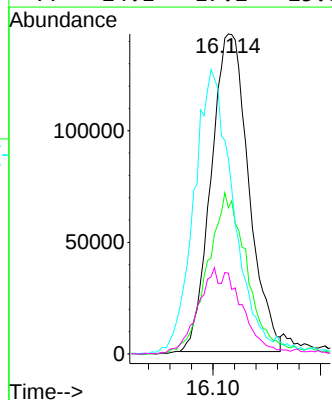
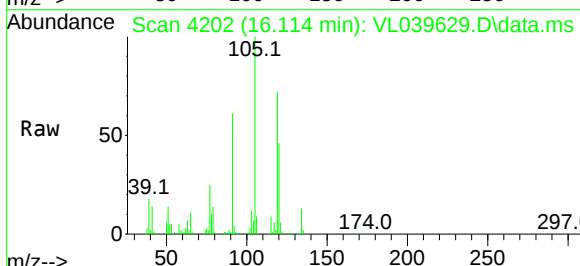
Ion Ratio Lower Upper

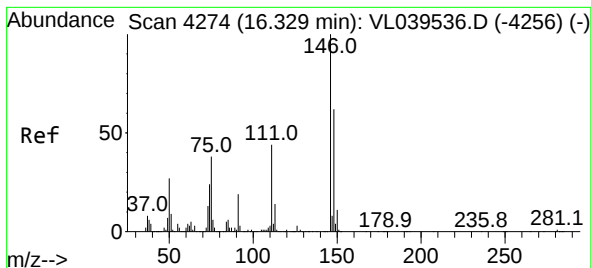
105 100

120 43.0 39.5 59.3

91 57.2 39.2 58.8

77 24.1 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 1.062 ppbv

RT: 16.336 min Scan# 4317

Delta R.T. 0.007 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

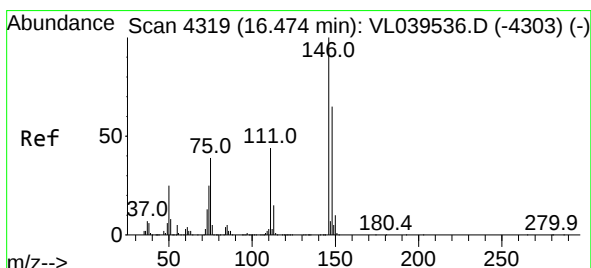
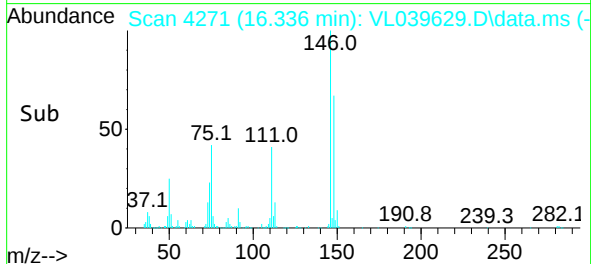
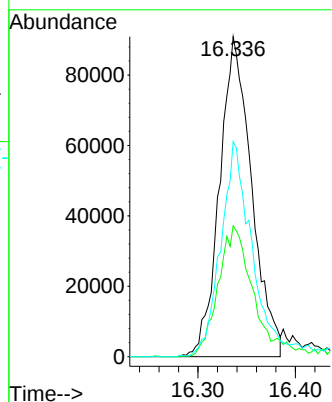
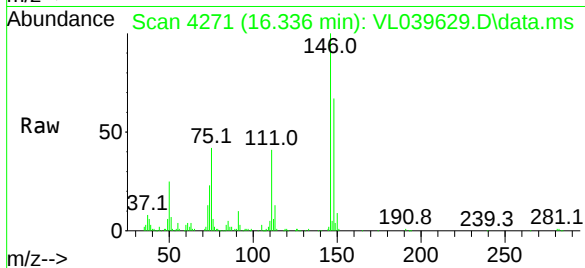
Tgt Ion:146 Resp: 207865

Ion Ratio Lower Upper

146 100

111 45.9 22.9 68.7

148 67.0 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 1.028 ppbv

RT: 16.484 min Scan# 4317

Delta R.T. 0.010 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

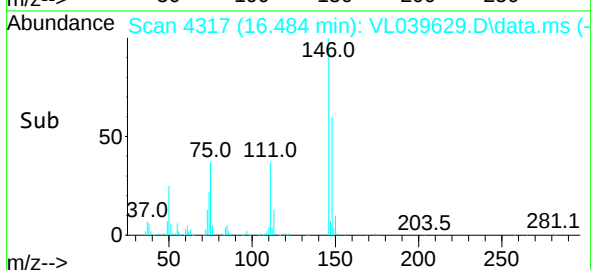
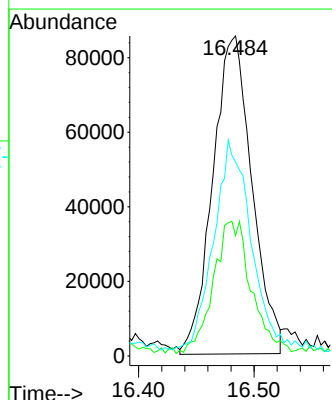
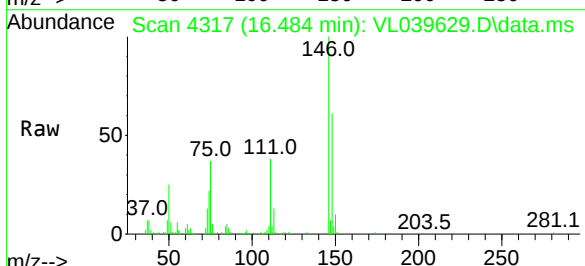
Tgt Ion:146 Resp: 201380

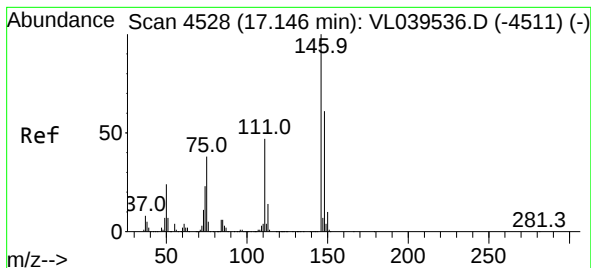
Ion Ratio Lower Upper

146 100

111 41.6 22.9 68.8

148 70.1 33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 1.030 ppbv

RT: 17.150 min Scan# 4524

Delta R.T. 0.004 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

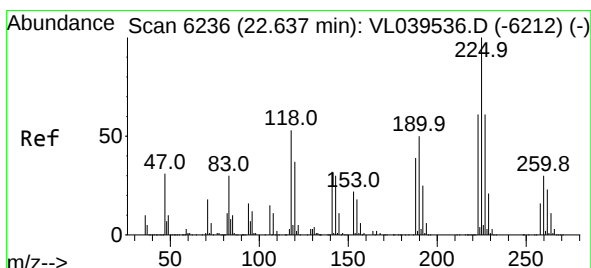
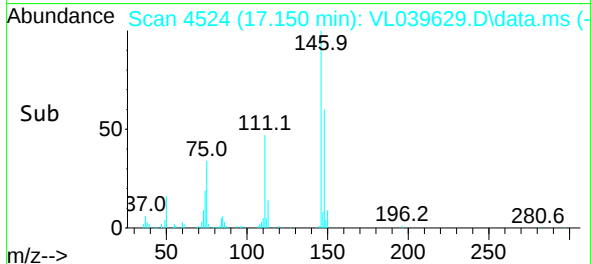
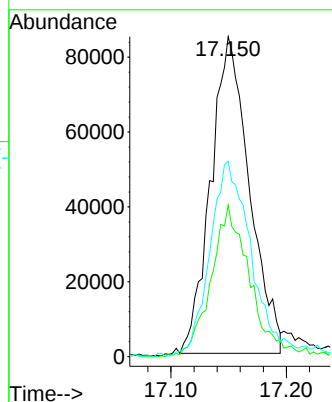
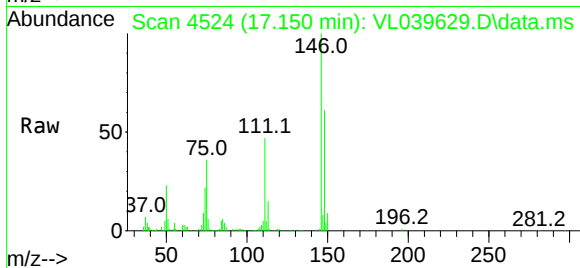
Tgt Ion:146 Resp: 196674

Ion Ratio Lower Upper

146 100

111 48.0 23.8 71.5

148 68.0 32.3 96.8



#78

Hexachloro-1,3-Butadiene

Concen: 1.117 ppbv

RT: 22.645 min Scan# 6233

Delta R.T. 0.007 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

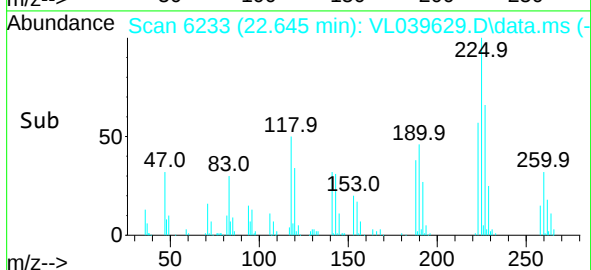
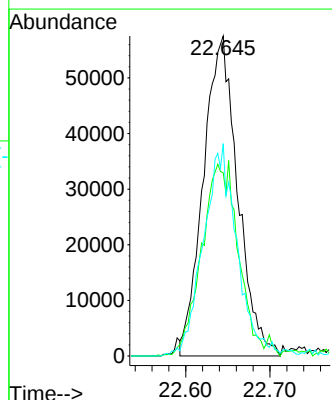
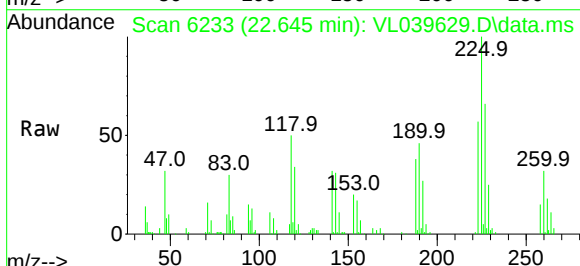
Tgt Ion:225 Resp: 162880

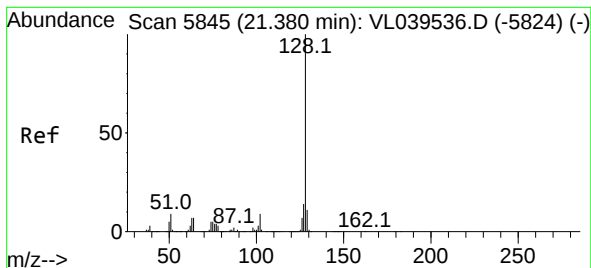
Ion Ratio Lower Upper

225 100

223 66.4 51.8 77.6

227 65.1 51.4 77.2





#79

Naphthalene

Concen: 0.610 ppbv

RT: 21.391 min Scan# 5843

Delta R.T. 0.010 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

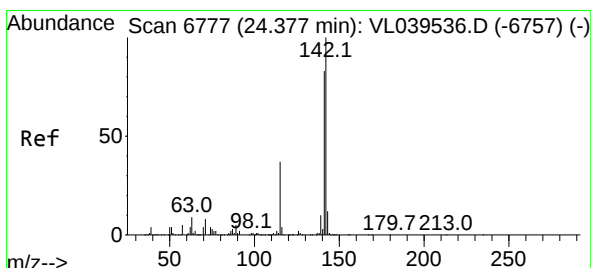
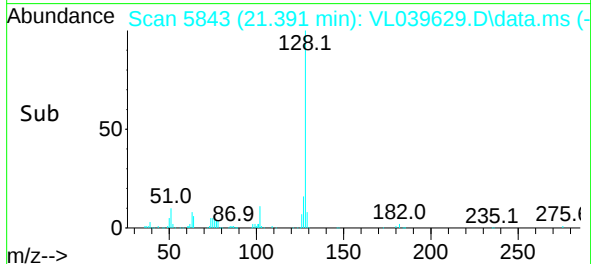
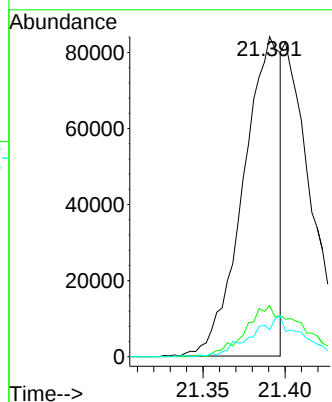
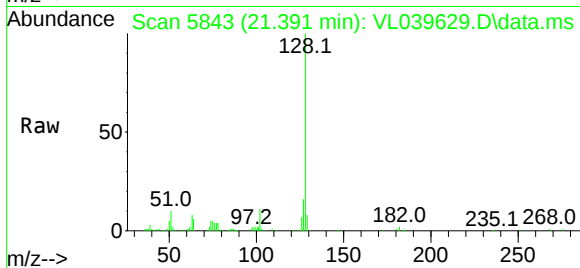
Tgt Ion:128 Resp: 132020

Ion Ratio Lower Upper

128 100

127 16.0 10.6 15.8#

129 8.3 8.8 13.2#



#80

Naphthalene,2-methyl-

Concen: 0.041 ppbv

RT: 24.741 min Scan# 6885

Delta R.T. 0.364 min

Lab File: VL039629.D

Acq: 19 Sep 2022 10:23

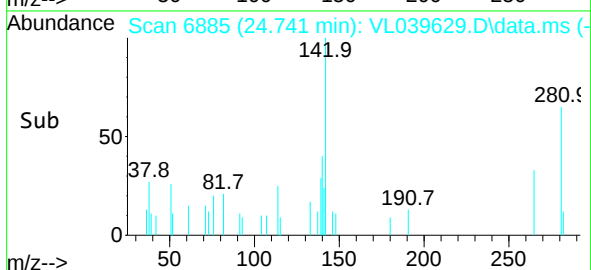
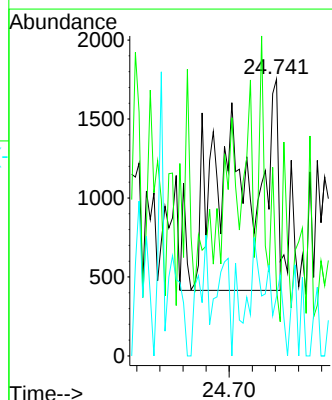
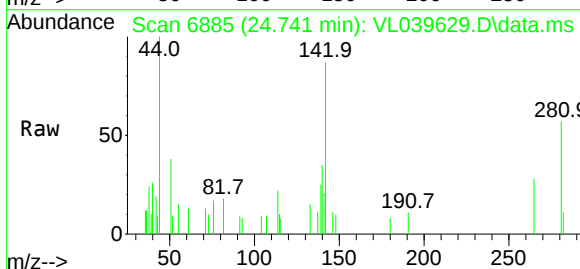
Tgt Ion:142 Resp: 3350

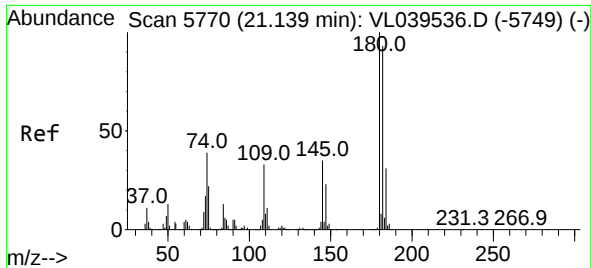
Ion Ratio Lower Upper

142 100

141 81.0 68.9 103.3

115 36.9 30.0 45.0





#81

1,2,4-Trichlorobenzene

Concen: 0.810 ppbv

RT: 21.146 min Scan# 51

Delta R.T. 0.007 min

Lab File: VL039629.D

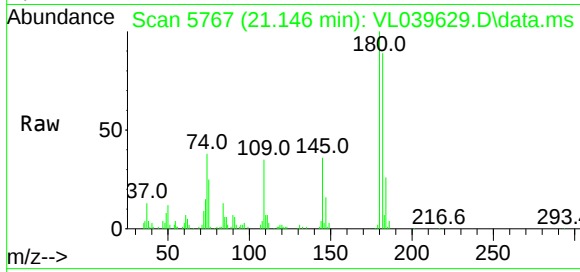
Acq: 19 Sep 2022 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion:180 Resp: 115195

Ion Ratio Lower Upper

180 100

182 121.3 77.1 115.7#

184 38.4 24.3 36.5#

