

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041697.D
 Acq On : 20 Nov 2024 8:09
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCC010

Quant Time: Nov 21 05:07:41 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1123466	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.668	114	3154537	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.481	117	3151187	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.786	95	2309915	9.949	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	2140449	10.541	ppbv	99
3) Chlorodifluoromethane	2.684	51	1415484	9.670	ppbv	99
4) Chloromethane	2.822	50	765196	9.869	ppbv	97
5) Vinyl Chloride	2.931	62	741512	10.631	ppbv	98
6) Bromomethane	3.131	94	384455	10.391	ppbv	99
7) Chloroethane	3.208	64	262500	10.312	ppbv	99
8) Dichlorotetrafluoroethane	2.867	85	1772200	9.777	ppbv	99
9) Propene	2.703	41	632787	9.921	ppbv	99
10) Heptane	7.590	43	1565567	10.954	ppbv	100
11) Trichlorofluoromethane	3.575	101	1779018	10.058	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.076	101	1291192	10.044	ppbv	100
13) Ethanol	3.256	45	27249	6.977	ppbv	76
14) Bromoethene	3.375	108	532947	10.312	ppbv	97
15) Acetone	3.478	43	1367331	9.889	ppbv	100
16) 1,3-Butadiene	2.996	39	749348	10.741	ppbv	98
17) tert-Butyl alcohol	3.890	59	1234931	10.178	ppbv	100
18) 1,1-Dichloroethene	3.890	96	587002	10.411	ppbv	96
19) Isopropyl Alcohol	3.587	45	676609	10.238	ppbv	98
20) Methylene Chloride	3.944	84	485339	9.539	ppbv	97
21) Allyl Chloride	4.009	41	920766	10.777	ppbv	99
22) trans-1,2-Dichloroethene	4.459	96	595977	10.631	ppbv	97
23) Vinyl Acetate	4.639	43	635436	10.425	ppbv	98
24) 1,1-Dichloroethane	4.574	63	1289373	10.304	ppbv	99
25) Ethyl Acetate	5.214	43	2953915	10.321	ppbv	100
26) Hexane	5.224	57	1161873	10.567	ppbv	99
27) Carbon Disulfide	4.134	76	1447099	11.714	ppbv	100
28) Methyl tert-Butyl Ether	4.597	73	696845	9.841	ppbv	99
29) Chloroform	5.288	83	1838047	10.127	ppbv	99
30) Cyclohexane	6.616	84	996570	10.644	ppbv	98
31) cis-1,2-Dichloroethene	5.092	61	1122533	10.612	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1767346	10.673	ppbv	99
34) 2-Butanone	4.796	43	1528409	9.731	ppbv	99
35) Carbon Tetrachloride	6.507	117	1867710	11.222	ppbv	99
36) Benzene	6.385	78	2472710	10.579	ppbv	97
37) 1,2-Dichloroethane	5.819	62	1372788	10.411	ppbv	99
38) Trichloroethene	7.304	130	1003555	11.179	ppbv	98
39) 1,2-Dichloropropane	7.089	63	955590	10.346	ppbv	97
40) 1,4-Dioxane	7.298	88	365570	11.031	ppbv	97
41) Tetrahydrofuran	5.568	42	989840	11.035	ppbv	100
42) Bromodichloromethane	7.262	83	1959114	10.692	ppbv	99
43) Methyl Methacrylate	7.488	69	946899	11.538	ppbv	98
44) 2,2,4-Trimethylpentane	7.340	57	4173715	10.542	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	949613	12.663	ppbv	98

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 ClientSampleId :
 VSTDICCC010

Quant Time: Nov 21 05:07:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1284127	11.922	ppbv	99
47) 1,1,2-Trichloroethane	8.915	97	1022170	10.225	ppbv	98
48) Dibromochloromethane	9.725	129	1691178	11.129	ppbv	99
49) Bromoform	12.420	173	1497113	11.514	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2640409	10.950	ppbv	99
51) 2-Hexanone	9.561	43	2067266	11.773	ppbv	100
52) Tetrachloroethene	10.629	164	902967	11.336	ppbv	98
53) Toluene	9.233	91	2828799	11.509	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1372700	11.753	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.523	131	1283659	9.877	ppbv	100
57) Chlorobenzene	11.539	112	2247475	9.643	ppbv	98
58) Ethyl Benzene	12.102	91	3843108	11.125	ppbv	99
59) m/p-Xylene	12.384	91	3461250	11.188	ppbv #	38
60) o-Xylene	13.073	91	3175724	10.765	ppbv	99
61) Styrene	12.909	104	1525338	12.528	ppbv	99
62) Isopropylbenzene	14.044	105	4683267	10.279	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	2214634	10.206	ppbv	99
64) n-propylbenzene	14.931	120	1265758	10.613	ppbv	99
65) tert-Butylbenzene	16.101	119	4189774	10.232	ppbv	100
66) Benzyl Chloride	16.342	91	370716	11.768	ppbv	99
67) sec-Butylbenzene	16.648	105	5882804	10.193	ppbv	99
69) p-Isopropyltoluene	17.008	119	4911348	10.526	ppbv	100
70) n-Butylbenzene	17.899	91	5076678	10.634	ppbv	100
71) 2-Chlorotoluene	14.812	91	3541658	10.754	ppbv	100
72) 4-Ethyltoluene	15.204	105	3768131	10.987	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3230569	10.734	ppbv	100
74) 1,2,4-Trimethylbenzene	16.121	105	3599066	10.295	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	2220877	10.258	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	2183586	10.453	ppbv	98
77) 1,2-Dichlorobenzene	17.156	146	2149012	10.020	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1424868	8.400	ppbv	100
79) Naphthalene	21.400	128	2807004	13.008	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	555593	11.811	ppbv	97
81) 1,2,4-Trichlorobenzene	21.153	180	1441690	10.624	ppbv	99

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

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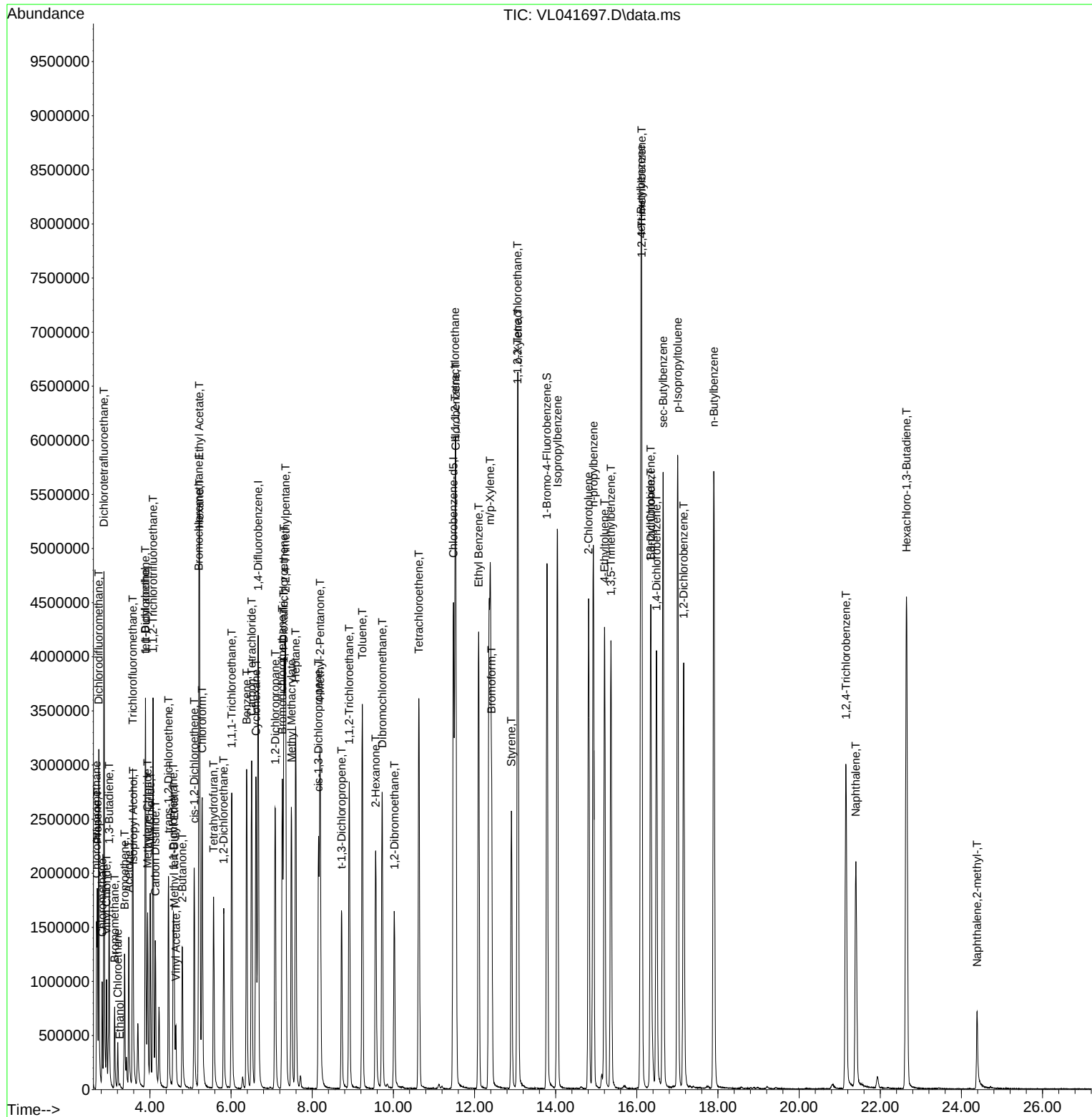
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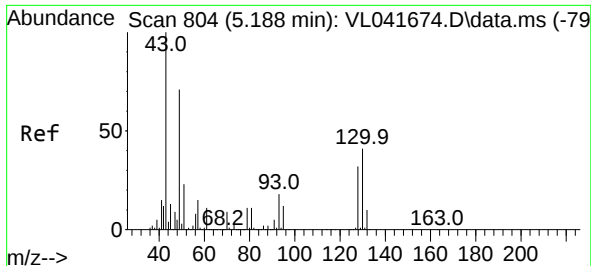
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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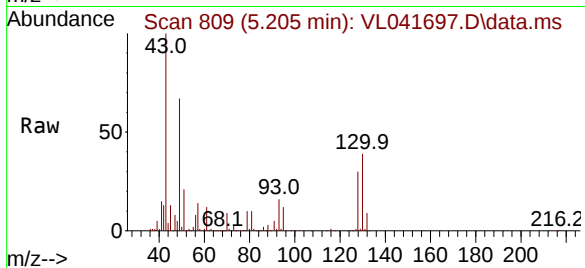
Response via : Initial Calibration



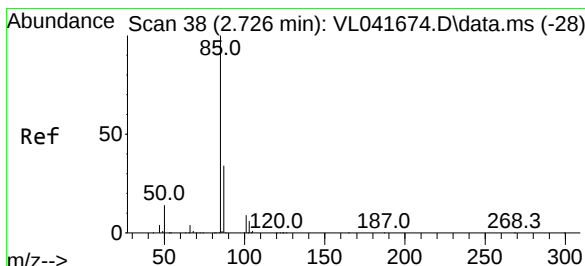
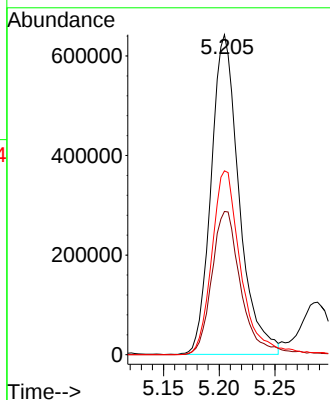
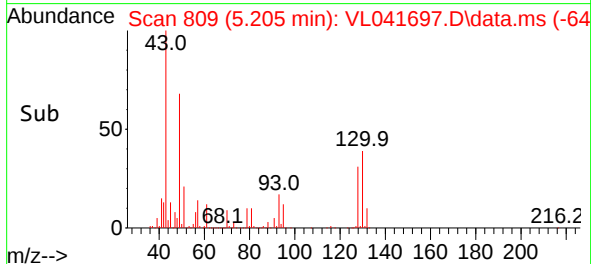


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.017 min
Lab File: VL041697.D
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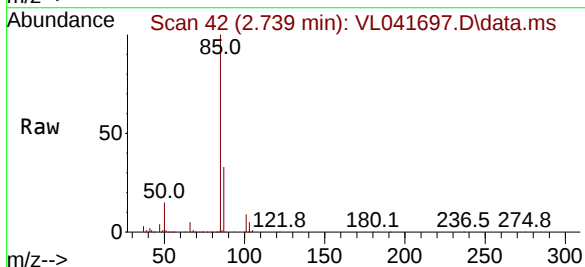
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



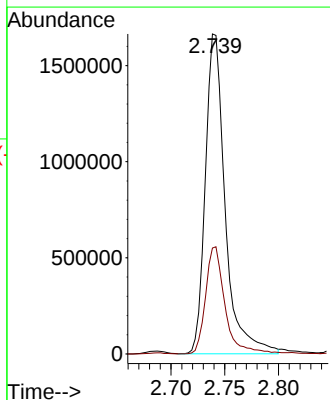
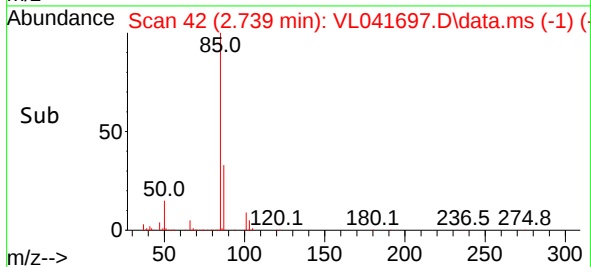
Tgt Ion: 49 Resp: 1123466
Ion Ratio Lower Upper
49 100
128 47.1 23.8 71.2
130 61.0 30.1 90.5

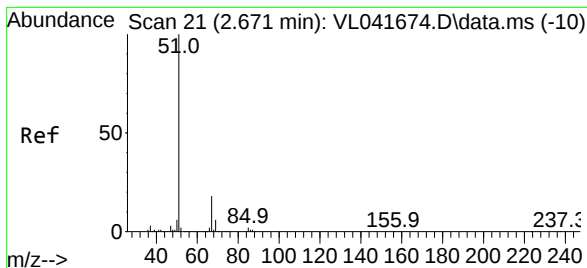


#2
Dichlorodifluoromethane
Concen: 10.541 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09



Tgt Ion: 85 Resp: 2140449
Ion Ratio Lower Upper
85 100
87 33.1 26.8 40.2

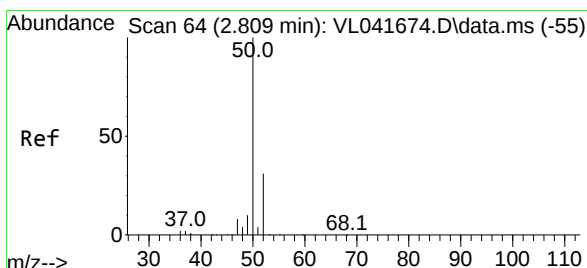
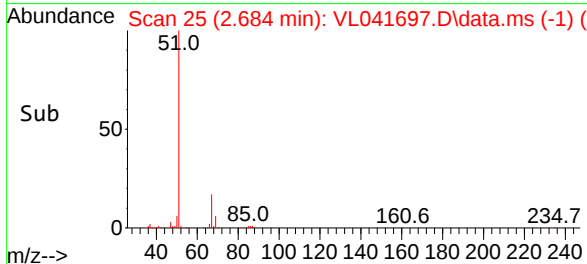
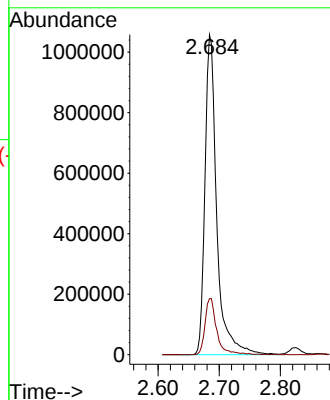
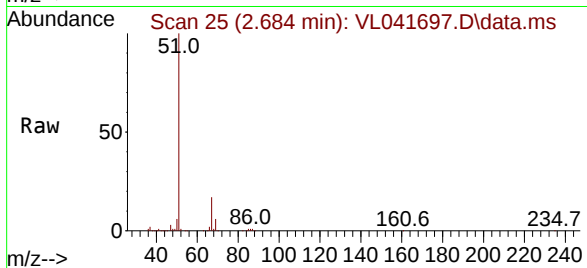




#3
Chlorodifluoromethane
Concen: 9.670 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

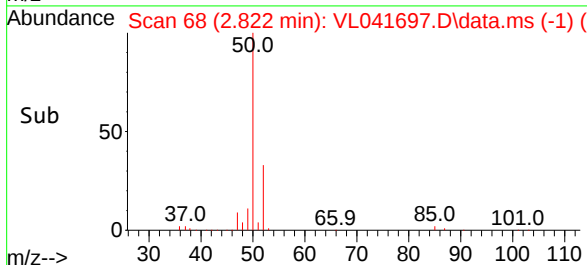
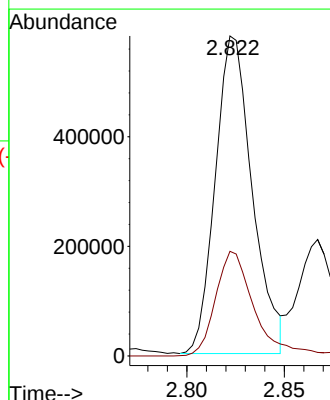
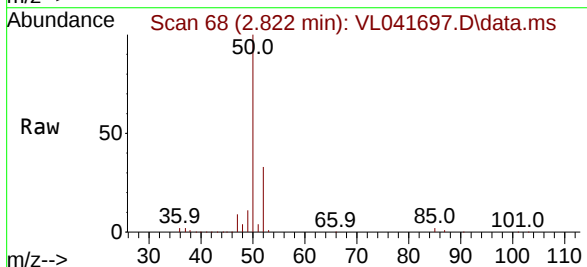
Instrument :
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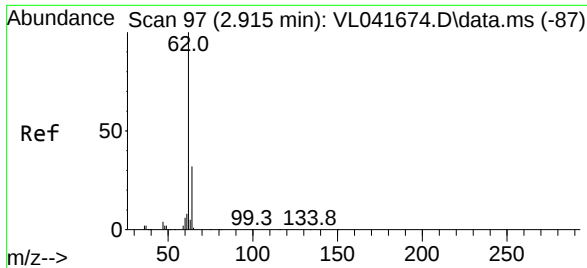
Tgt Ion: 51 Resp: 1415484
Ion Ratio Lower Upper
51 100
67 17.6 13.9 20.9



#4
Chloromethane
Concen: 9.869 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 50 Resp: 765196
Ion Ratio Lower Upper
50 100
52 32.8 24.9 37.3

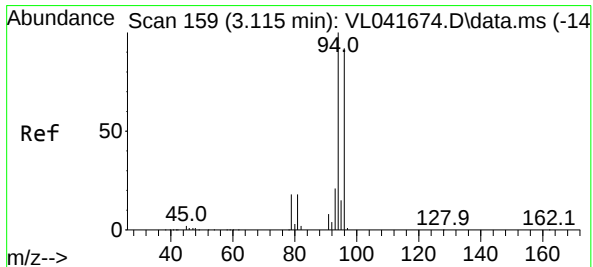
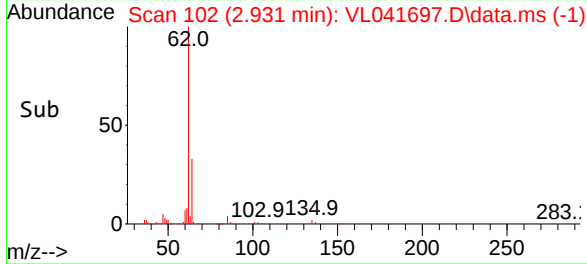
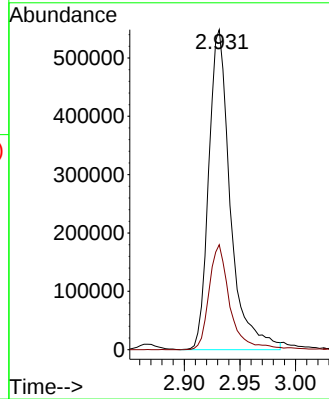
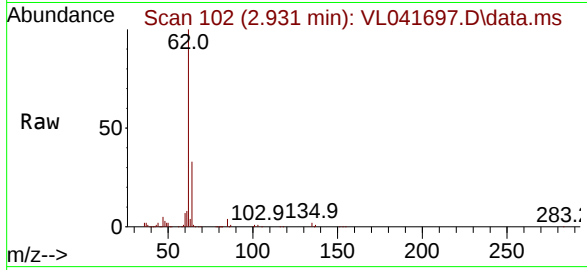




#5
 Vinyl Chloride
 Concen: 10.631 ppbv
 RT: 2.931 min Scan# 102
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

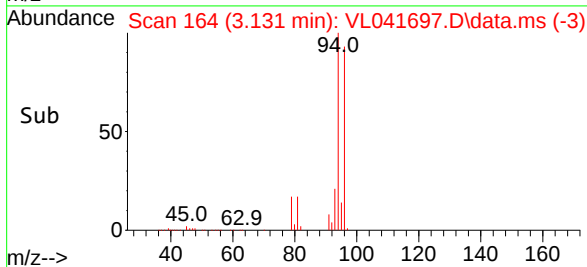
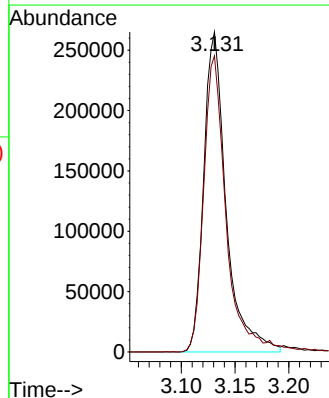
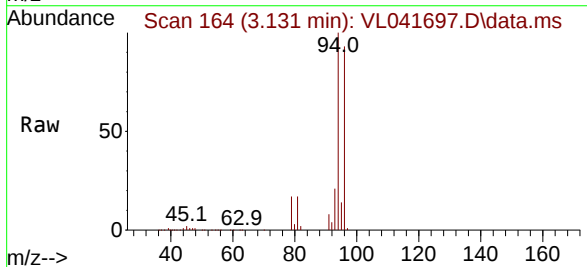
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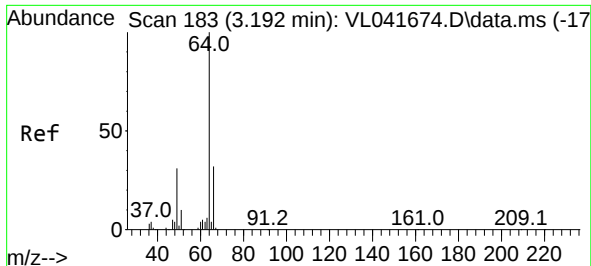
Tgt Ion: 62 Resp: 741512
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.4 38.2



#6
 Bromomethane
 Concen: 10.391 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion: 94 Resp: 384455
 Ion Ratio Lower Upper
 94 100
 96 92.6 73.4 110.2

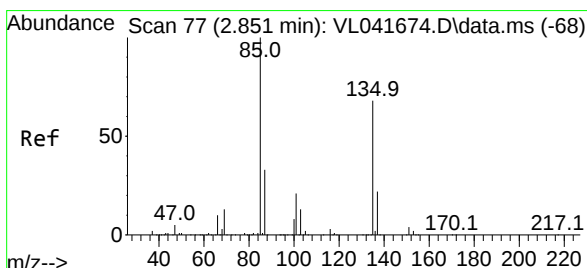
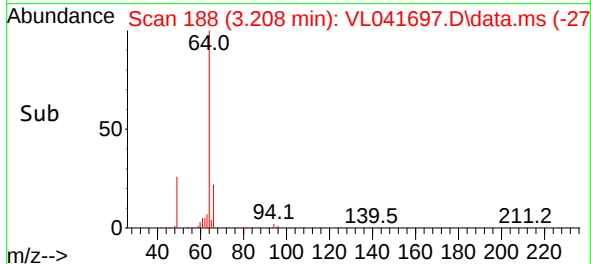
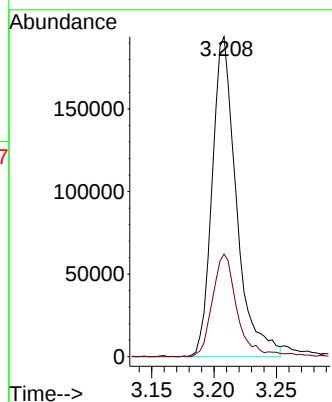
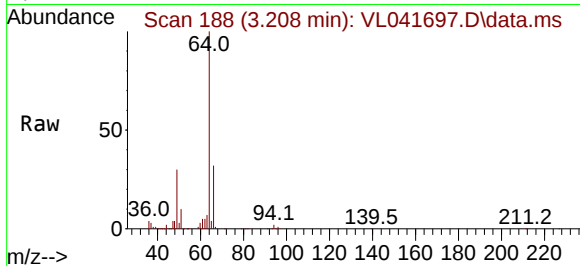




#7
Chloroethane
Concen: 10.312 ppbv
RT: 3.208 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

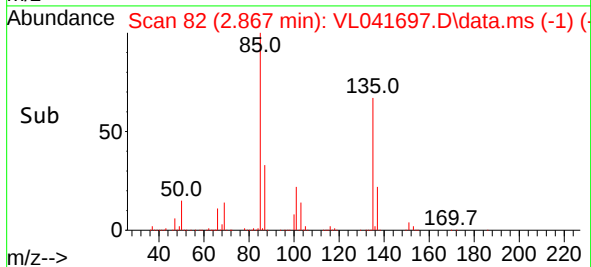
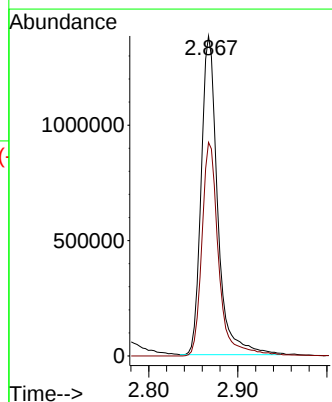
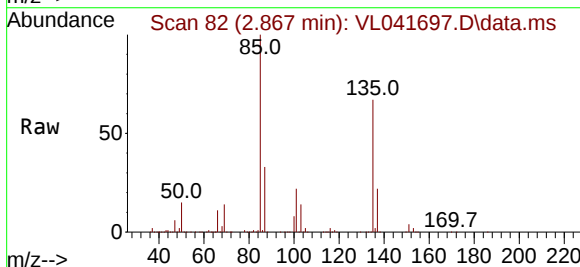
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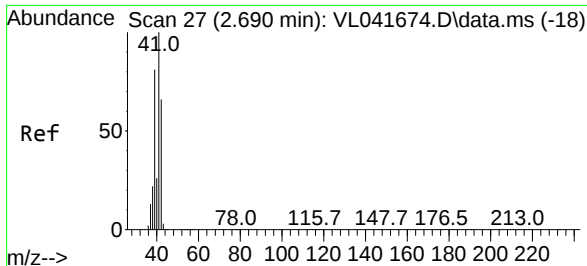
Tgt Ion: 64 Resp: 262500
Ion Ratio Lower Upper
64 100
66 32.1 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 9.777 ppbv
RT: 2.867 min Scan# 82
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 85 Resp: 1772200
Ion Ratio Lower Upper
85 100
135 68.7 55.5 83.3





#9

Propene

Concen: 9.921 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

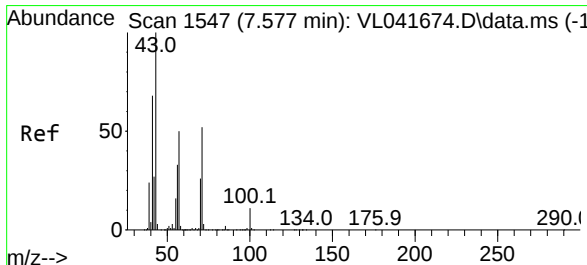
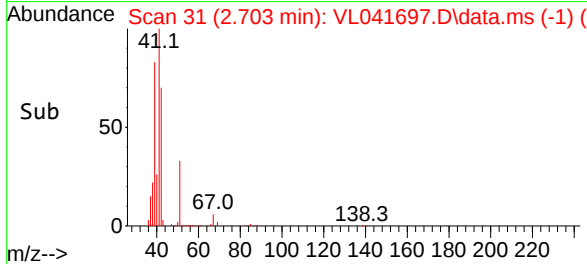
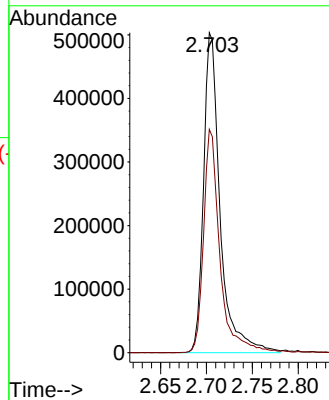
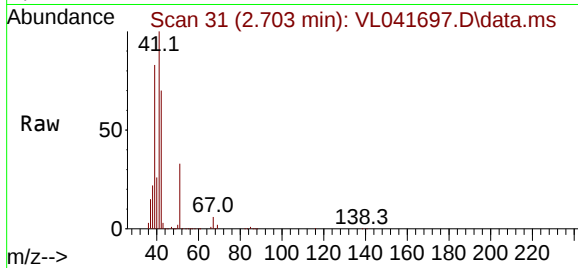
VSTDCCC010

Tgt Ion: 41 Resp: 632787

Ion Ratio Lower Upper

41 100

42 69.3 55.0 82.4



#10

Heptane

Concen: 10.954 ppbv

RT: 7.590 min Scan# 1551

Delta R.T. 0.013 min

Lab File: VL041697.D

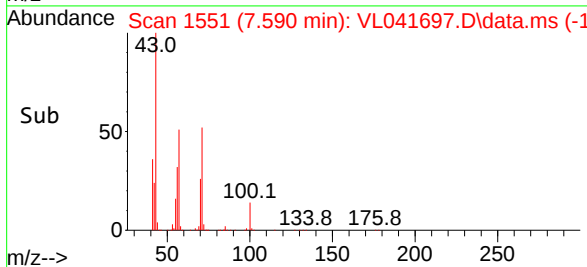
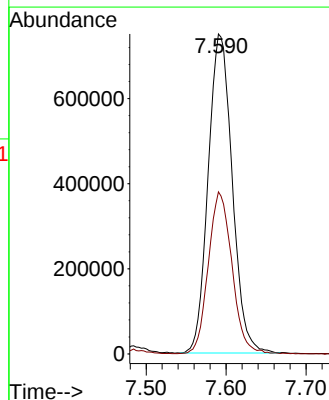
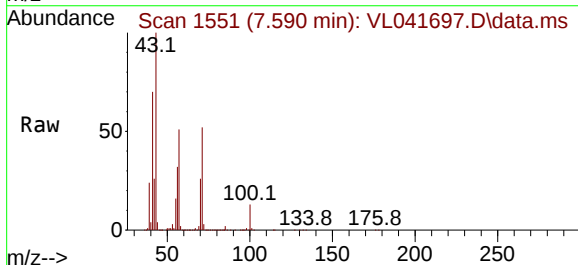
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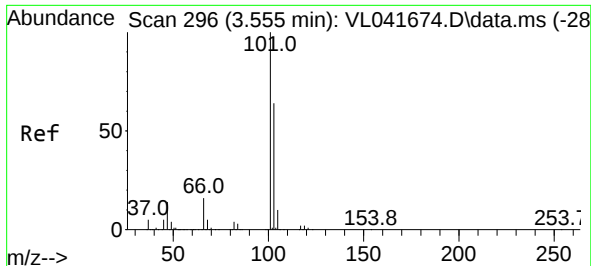
Tgt Ion: 43 Resp: 1565567

Ion Ratio Lower Upper

43 100

57 50.1 40.0 60.0

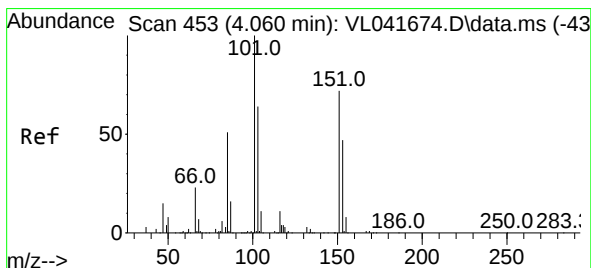
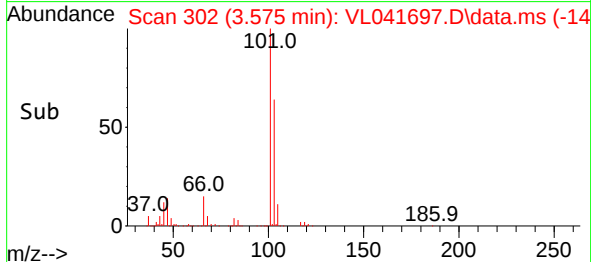
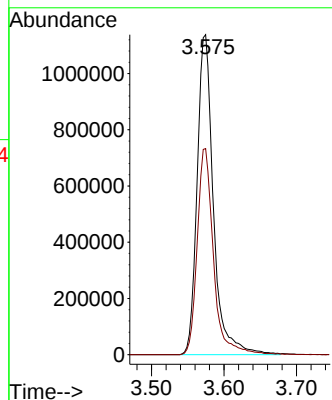
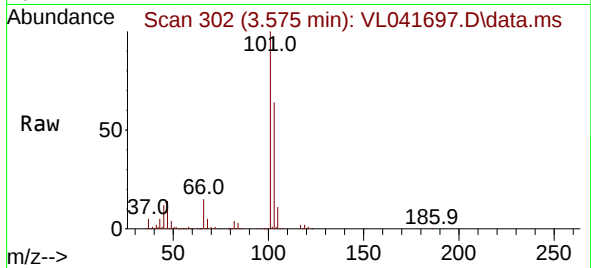




#11
 Trichlorofluoromethane
 Concen: 10.058 ppbv
 RT: 3.575 min Scan# 301
 Delta R.T. 0.019 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

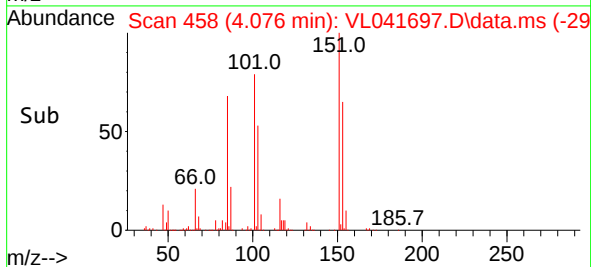
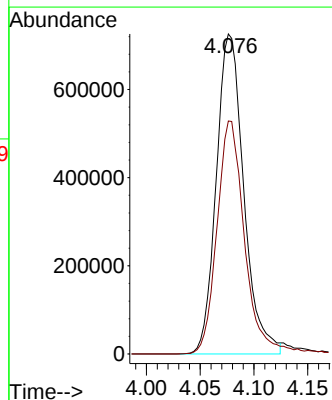
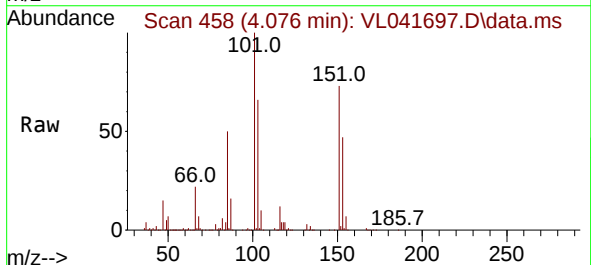
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

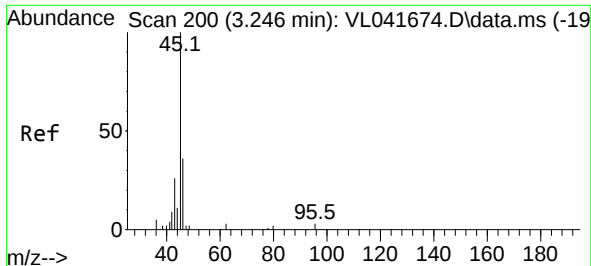
Tgt Ion:101 Resp: 1779018
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.044 ppbv
 RT: 4.076 min Scan# 458
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion:101 Resp: 1291192
 Ion Ratio Lower Upper
 101 100
 151 74.0 59.1 88.7

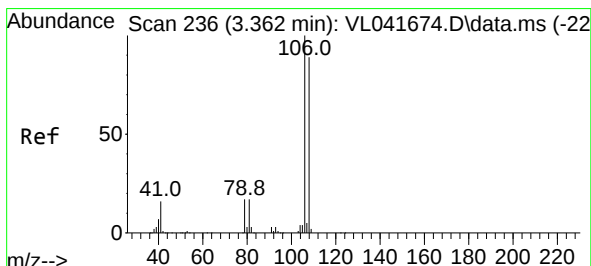
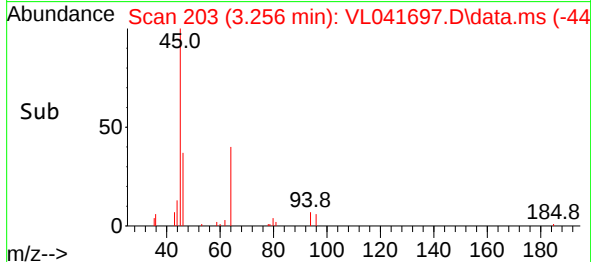
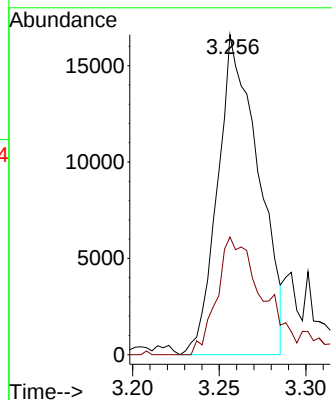
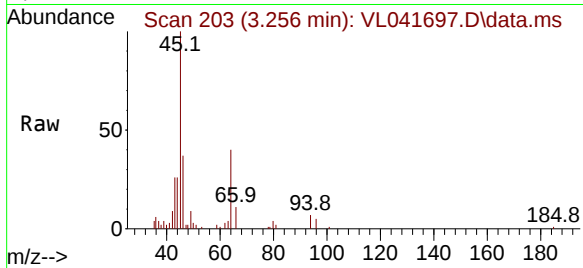




#13
Ethanol
Concen: 6.977 ppbv
RT: 3.256 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

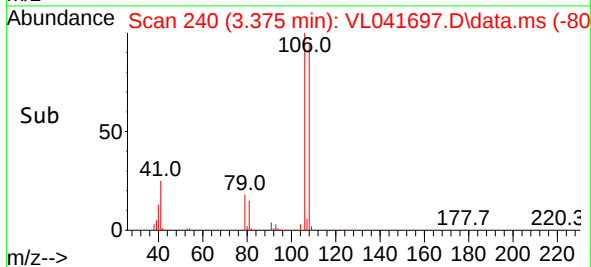
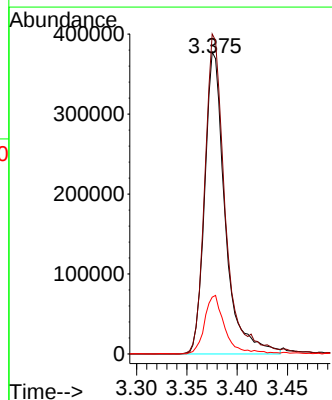
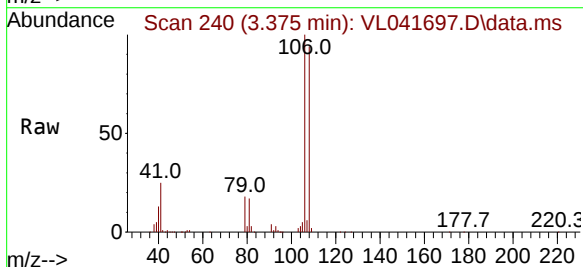
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

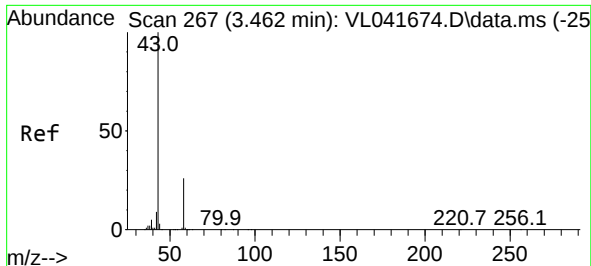
Tgt Ion: 45 Resp: 27249
Ion Ratio Lower Upper
45 100
46 48.6 13.8 55.2



#14
Bromoethene
Concen: 10.312 ppbv
RT: 3.375 min Scan# 240
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 108 Resp: 532947
Ion Ratio Lower Upper
108 100
106 107.3 88.6 133.0
79 20.3 15.6 23.4





#15

Acetone

Concen: 9.889 ppbv

RT: 3.478 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

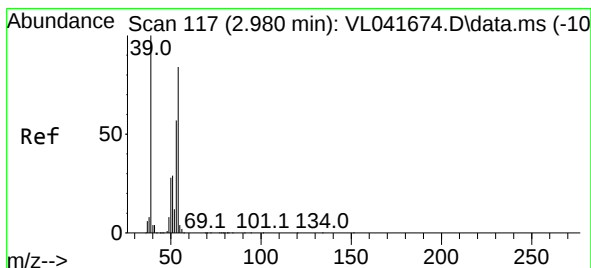
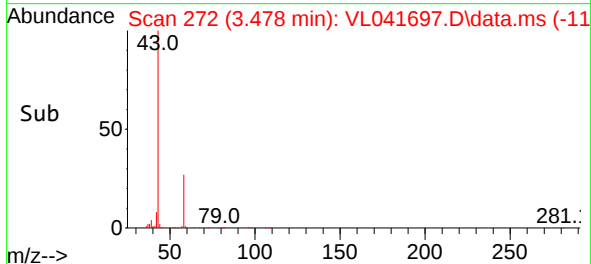
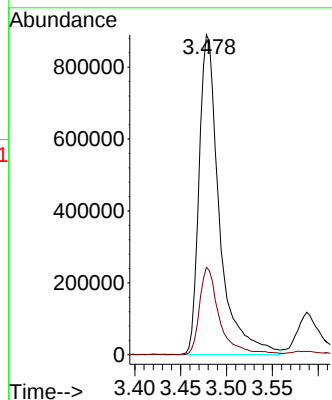
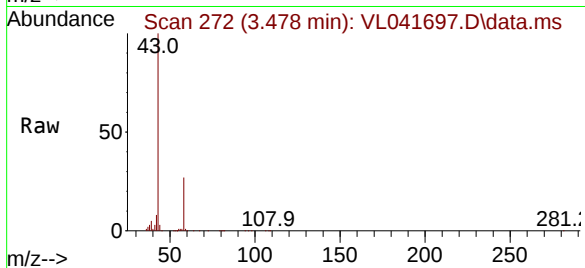
VSTDCCC010

Tgt Ion: 43 Resp: 1367331

Ion Ratio Lower Upper

43 100

58 26.8 21.4 32.0



#16

1,3-Butadiene

Concen: 10.741 ppbv

RT: 2.996 min Scan# 122

Delta R.T. 0.016 min

Lab File: VL041697.D

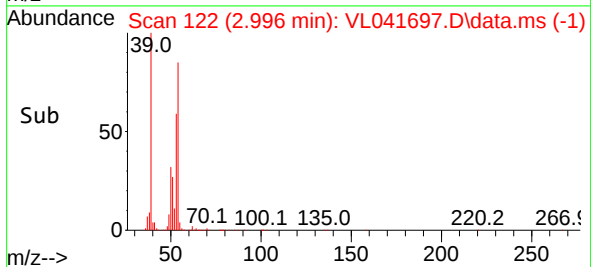
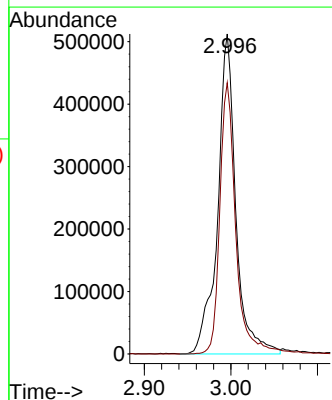
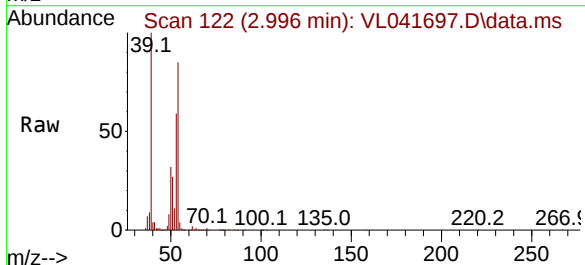
Acq: 20 Nov 2024 8:09

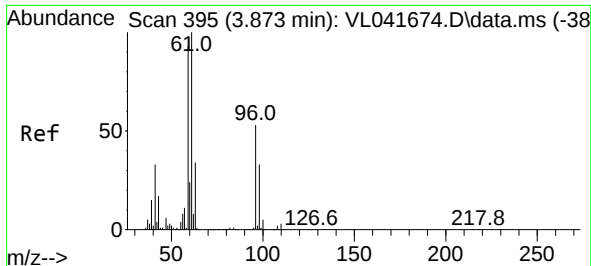
Tgt Ion: 39 Resp: 749348

Ion Ratio Lower Upper

39 100

54 74.9 61.3 91.9





#17

tert-Butyl alcohol

Concen: 10.178 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

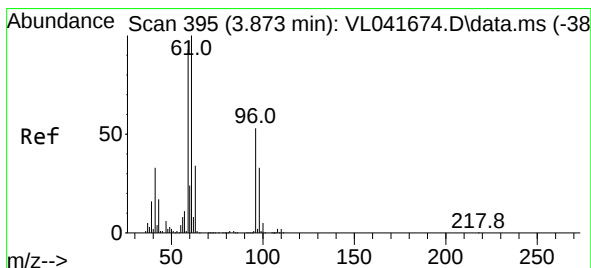
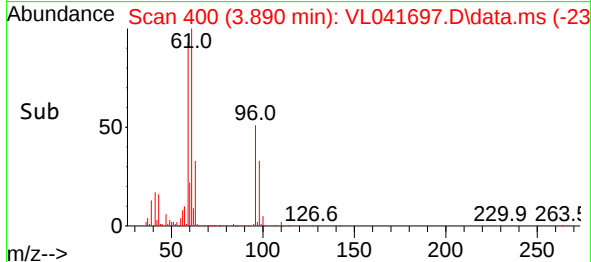
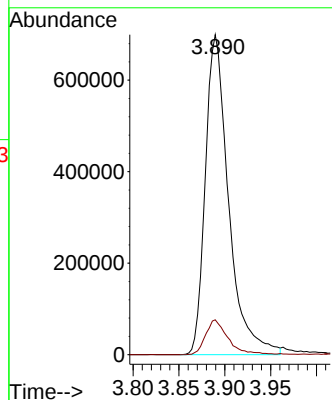
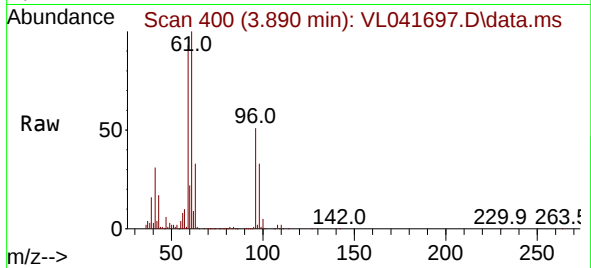
VSTDCCC010

Tgt Ion: 59 Resp: 1234931

Ion Ratio Lower Upper

59 100

57 10.8 8.5 12.7



#18

1,1-Dichloroethene

Concen: 10.411 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

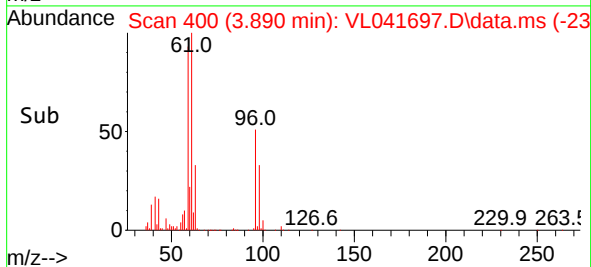
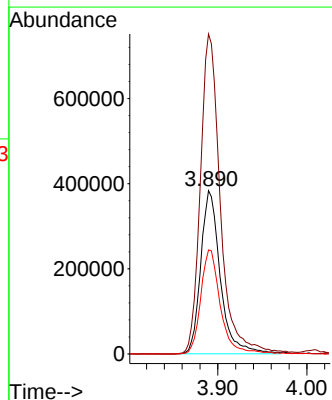
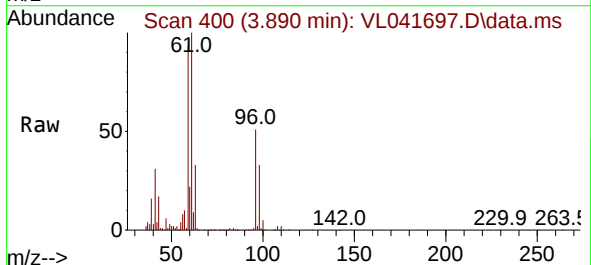
Tgt Ion: 96 Resp: 587002

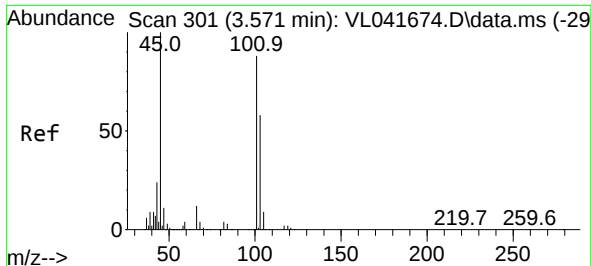
Ion Ratio Lower Upper

96 100

61 195.7 150.7 226.1

98 63.6 49.4 74.2

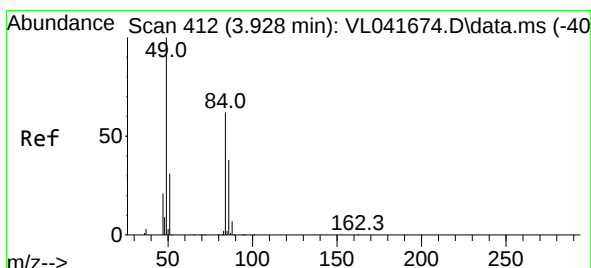
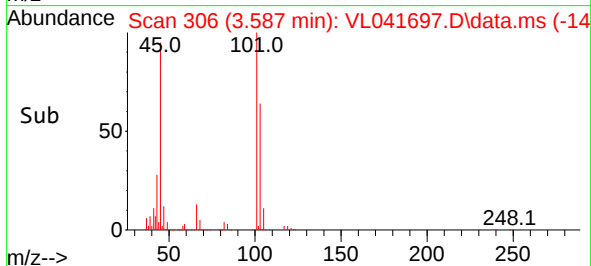
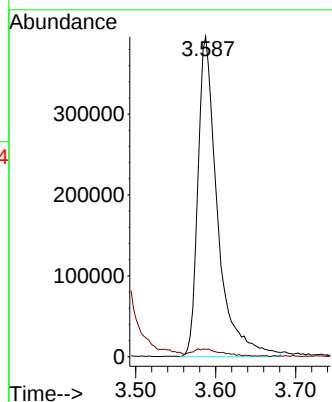
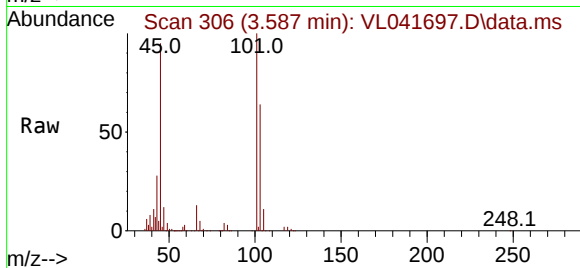




#19
Isopropyl Alcohol
Concen: 10.238 ppbv
RT: 3.587 min Scan# 301
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

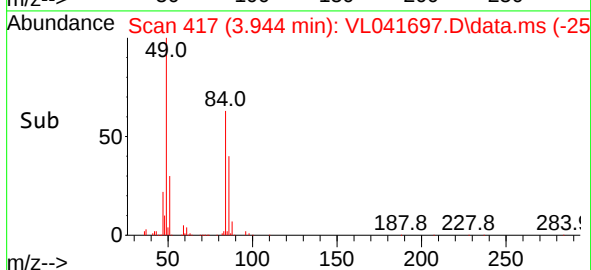
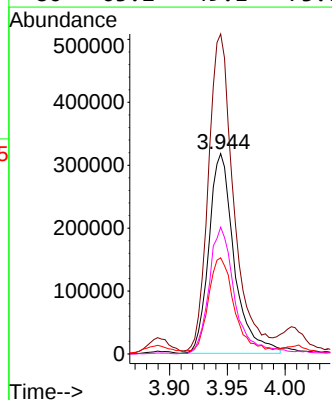
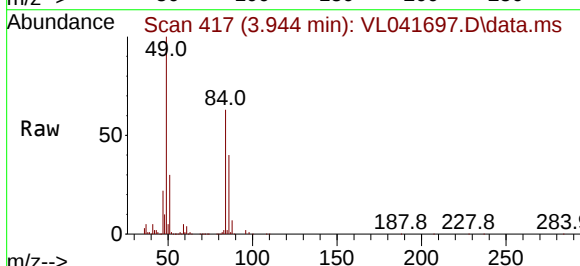
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

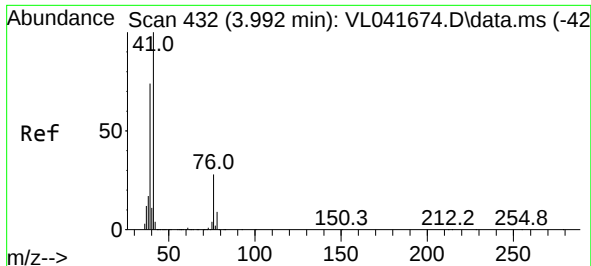
Tgt Ion: 45 Resp: 676609
Ion Ratio Lower Upper
45 100
58 3.7 2.5 3.7



#20
Methylene Chloride
Concen: 9.539 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 84 Resp: 485339
Ion Ratio Lower Upper
84 100
49 158.5 129.7 194.5
51 46.5 39.8 59.6
86 63.2 49.1 73.7





#21

Allyl Chloride

Concen: 10.777 ppbv

RT: 4.009 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

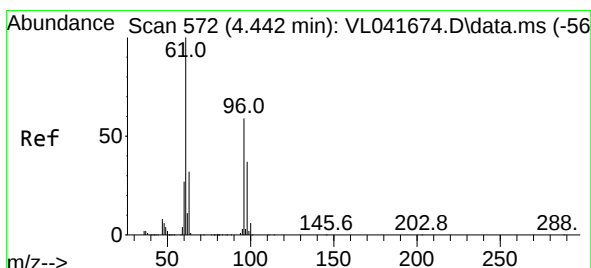
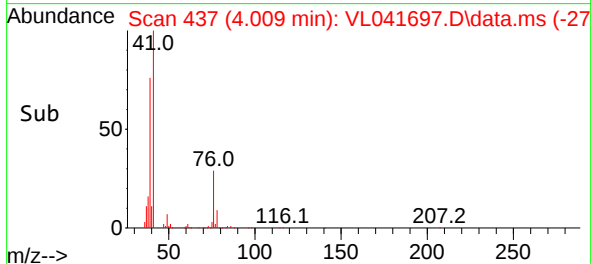
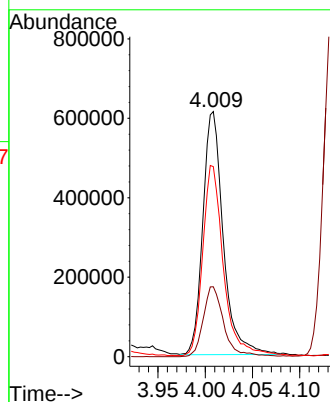
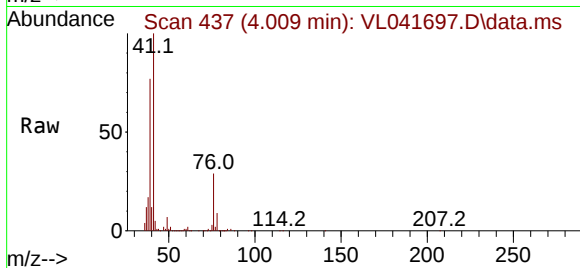
Tgt Ion: 41 Resp: 920766

Ion Ratio Lower Upper

41 100

76 29.1 23.5 35.3

39 79.3 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 10.631 ppbv

RT: 4.459 min Scan# 577

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

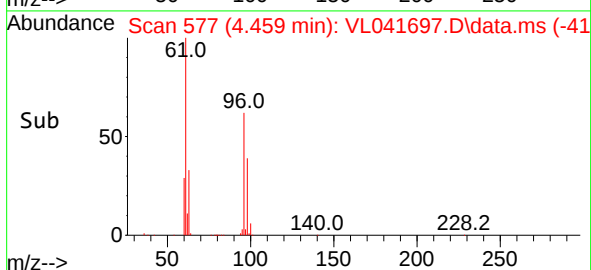
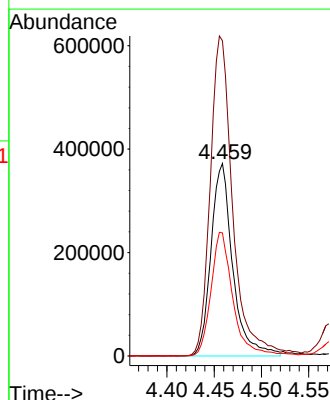
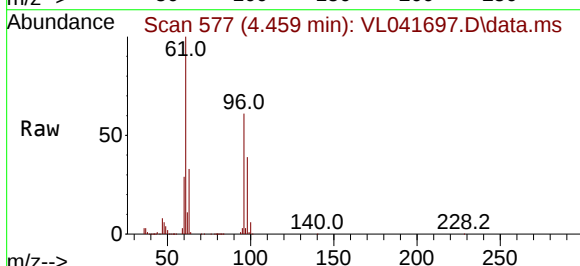
Tgt Ion: 96 Resp: 595977

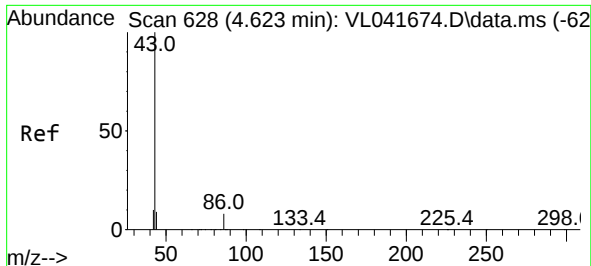
Ion Ratio Lower Upper

96 100

61 163.7 134.5 201.7

98 63.8 49.6 74.4

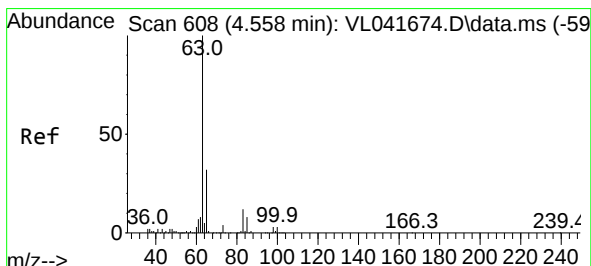
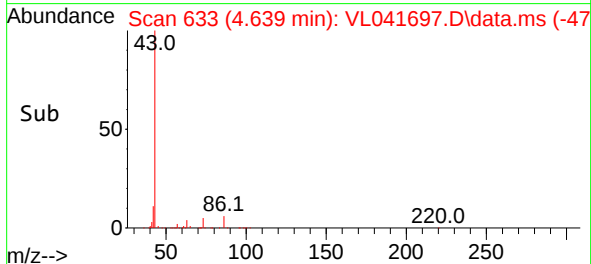
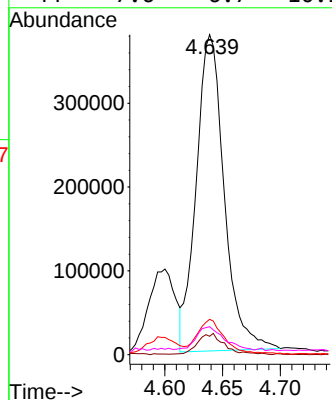
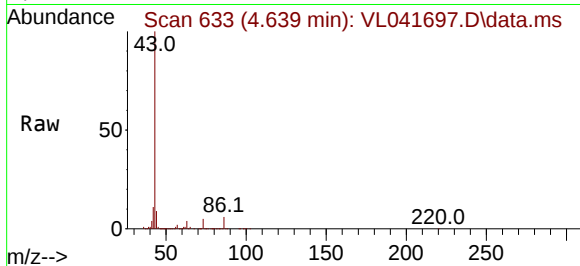




#23
 Vinyl Acetate
 Concen: 10.425 ppbv
 RT: 4.639 min Scan# 613
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

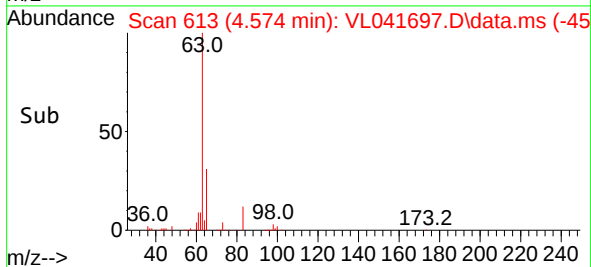
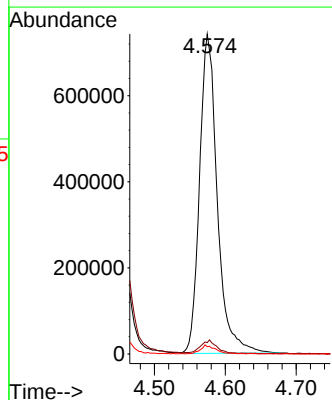
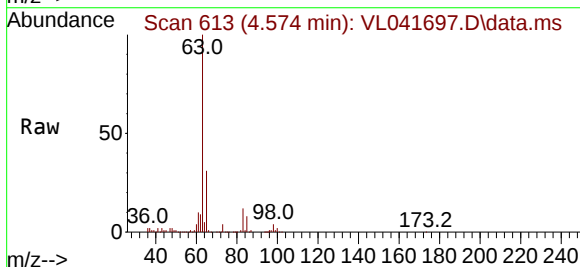
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

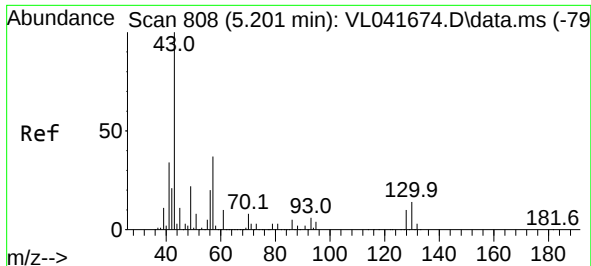
Tgt Ion:	43	Resp:	635436
Ion	Ratio	Lower	Upper
43	100		
86	5.6	5.3	7.9
42	10.8	8.5	12.7
44	7.6	6.7	10.1



#24
 1,1-Dichloroethane
 Concen: 10.304 ppbv
 RT: 4.574 min Scan# 613
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion:	63	Resp:	1289373
Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.8	5.4
100	2.3	1.4	4.2



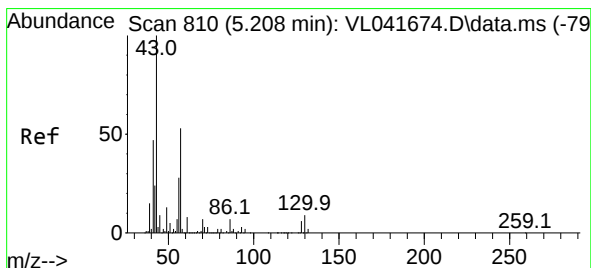
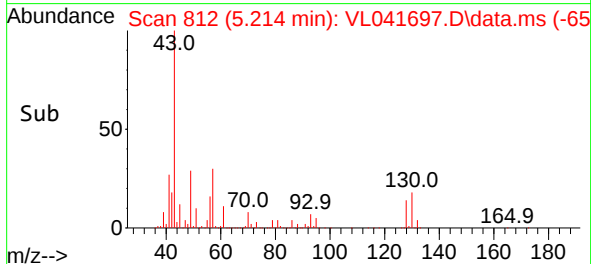
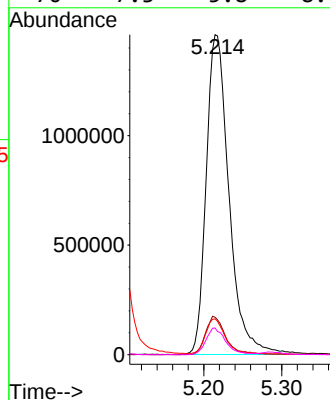
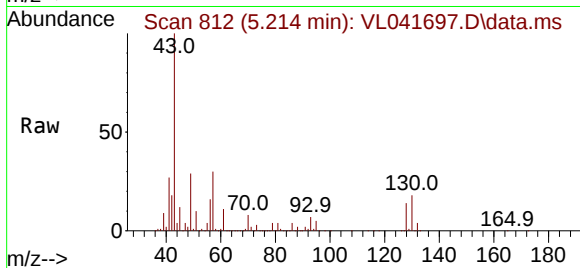


#25
Ethyl Acetate
Concen: 10.321 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2953915

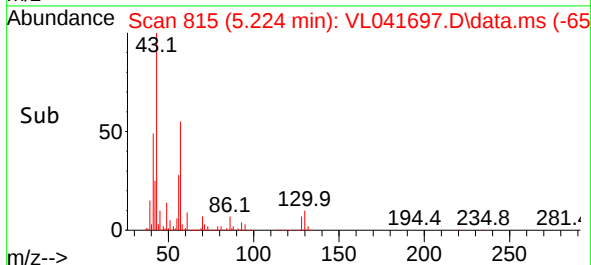
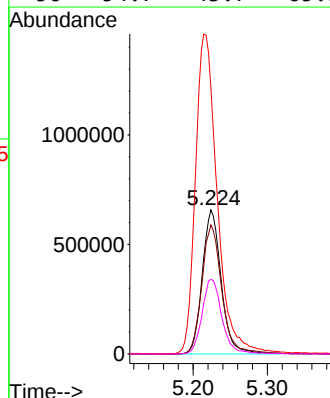
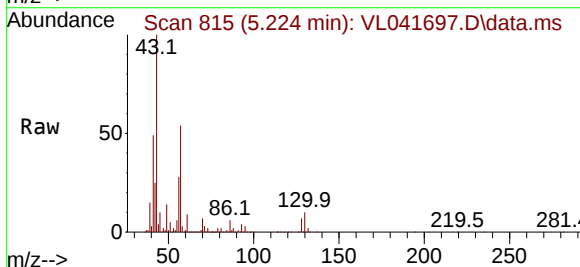
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.6	13.0
61	10.4	8.4	12.6
70	7.3	5.8	8.6

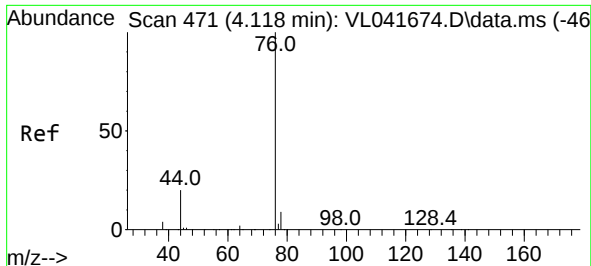


#26
Hexane
Concen: 10.567 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 57 Resp: 1161873

Ion	Ratio	Lower	Upper
57	100		
41	95.4	76.1	114.1
43	256.7	207.0	310.6
56	54.7	43.7	65.5

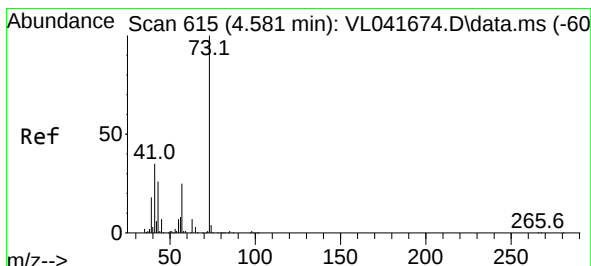
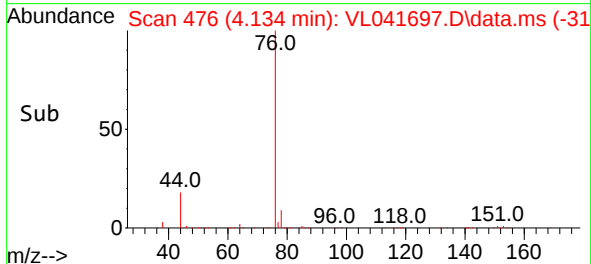
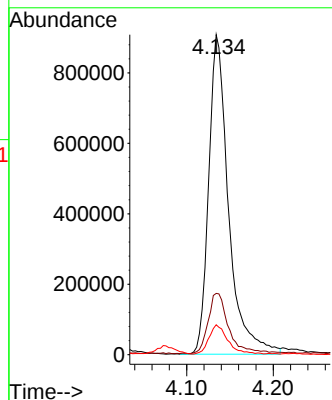
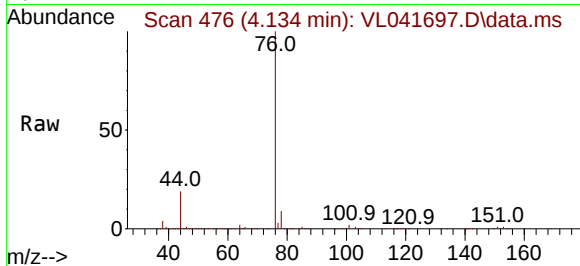




#27
Carbon Disulfide
Concen: 11.714 ppbv
RT: 4.134 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

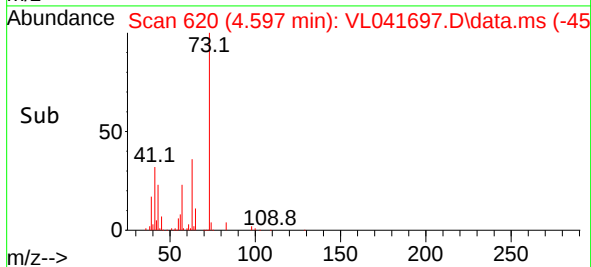
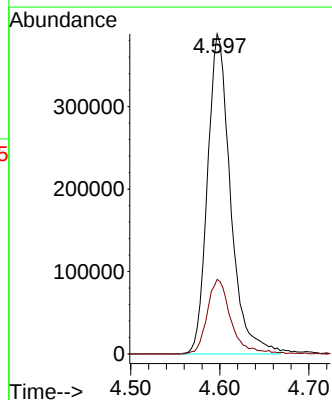
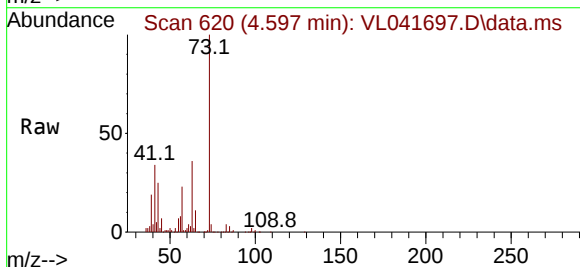
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

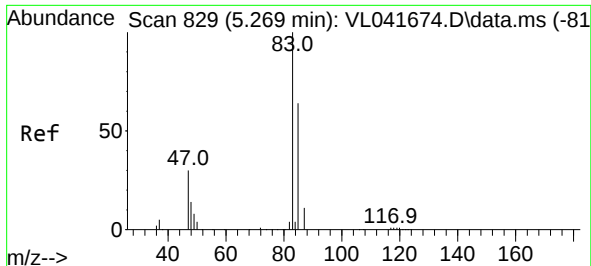
Tgt Ion: 76 Resp: 1447099
Ion Ratio Lower Upper
76 100
44 19.8 15.8 23.8
78 9.4 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 9.841 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 73 Resp: 696845
Ion Ratio Lower Upper
73 100
57 24.1 19.6 29.4





#29

Chloroform

Concen: 10.127 ppbv

RT: 5.288 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

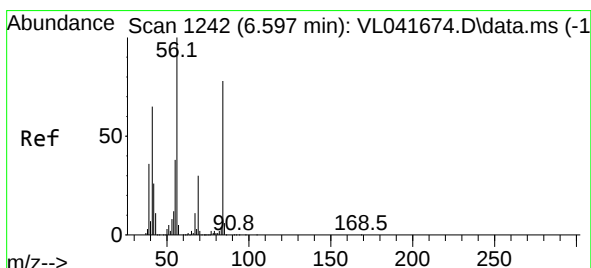
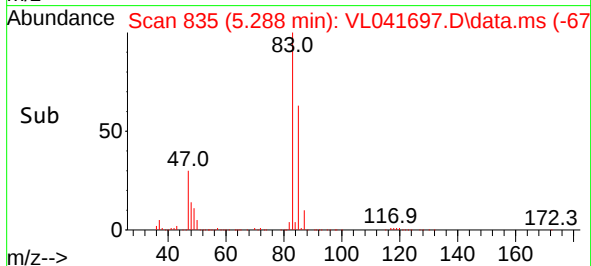
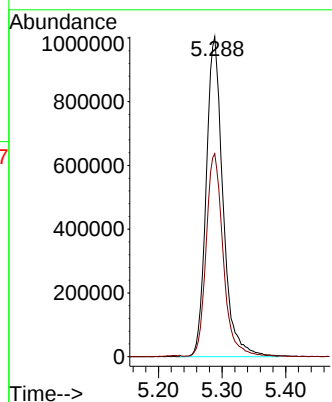
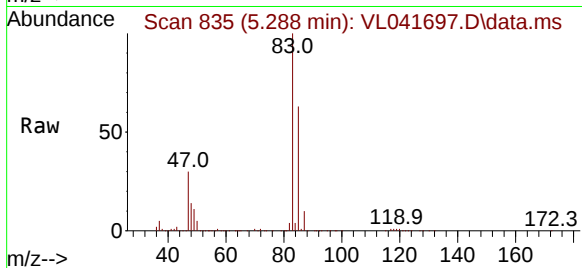
VSTDCCC010

Tgt Ion: 83 Resp: 1838047

Ion Ratio Lower Upper

83 100

85 63.2 51.1 76.7



#30

Cyclohexane

Concen: 10.644 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

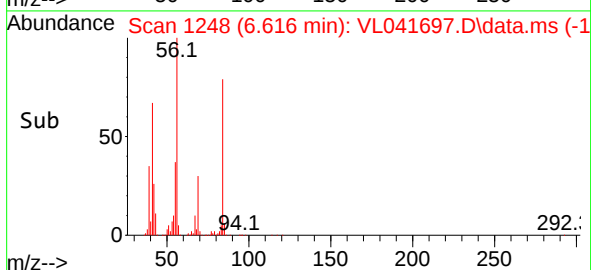
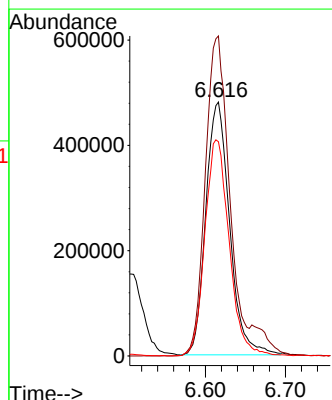
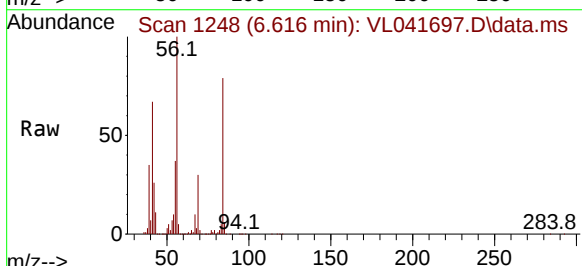
Tgt Ion: 84 Resp: 996570

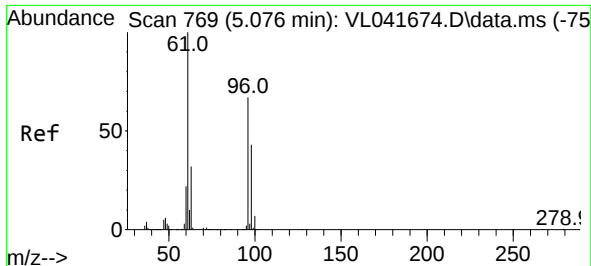
Ion Ratio Lower Upper

84 100

56 135.5 110.8 166.2

41 87.4 70.0 105.0

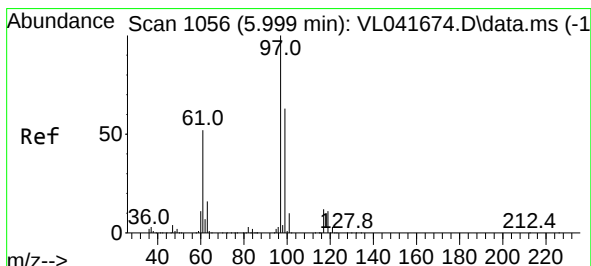
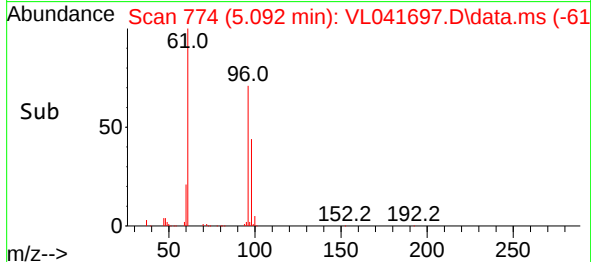
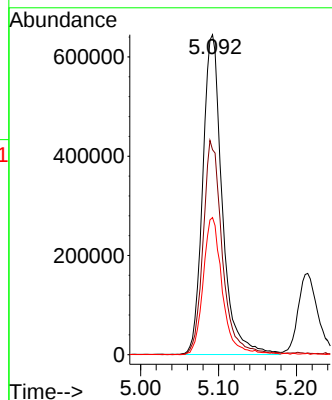
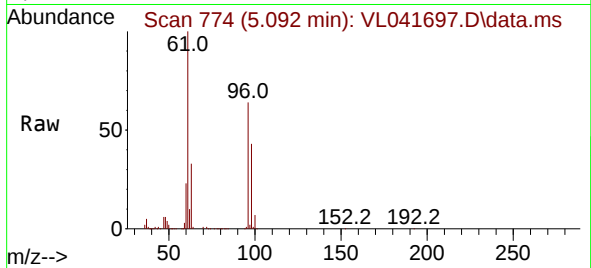




#31
 cis-1,2-Dichloroethene
 Concen: 10.612 ppbv
 RT: 5.092 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

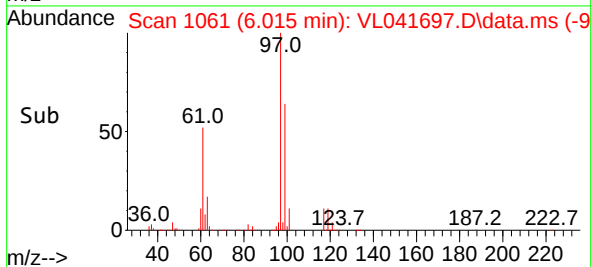
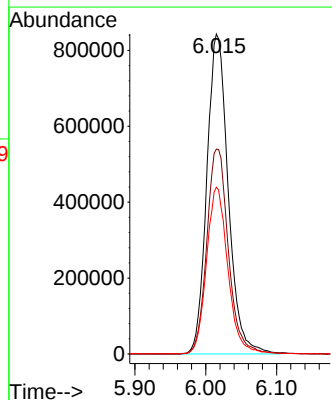
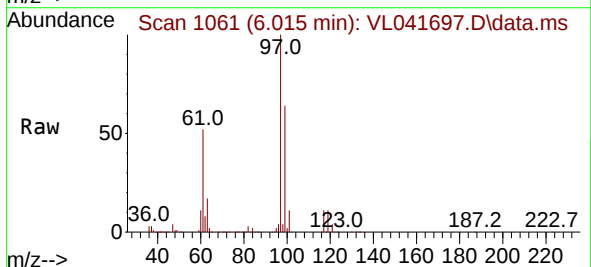
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

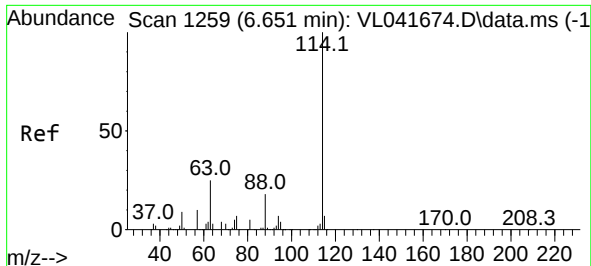
Tgt Ion: 61 Resp: 1122533
 Ion Ratio Lower Upper
 61 100
 96 63.9 53.4 80.2
 98 42.9 34.0 51.0



#32
 1,1,1-Trichloroethane
 Concen: 10.673 ppbv
 RT: 6.015 min Scan# 1061
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Tgt Ion: 97 Resp: 1767346
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.4 77.2
 61 52.4 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

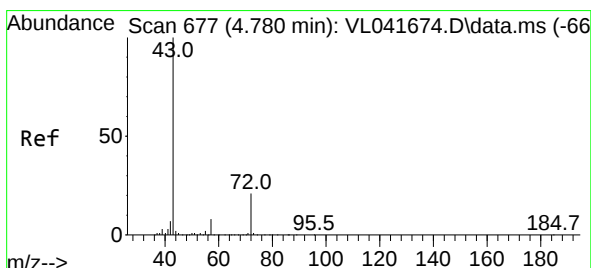
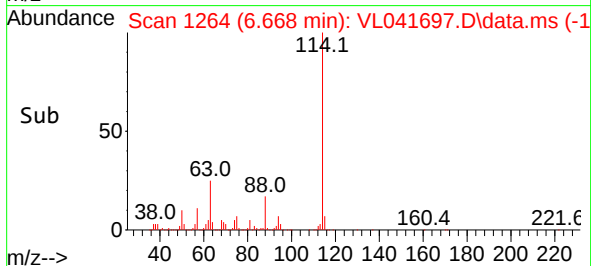
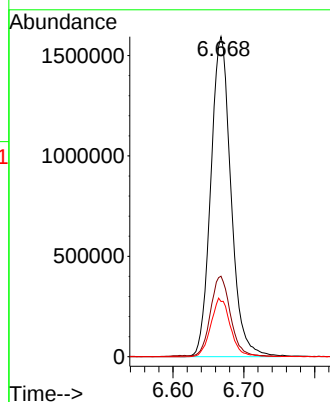
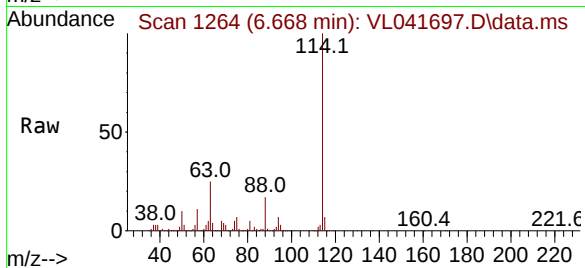
Tgt Ion:114 Resp: 3154537

Ion Ratio Lower Upper

114 100

63 25.5 20.3 30.5

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 9.731 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL041697.D

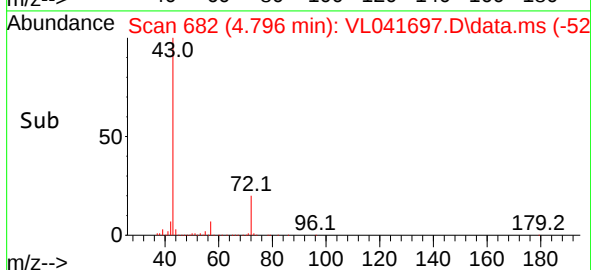
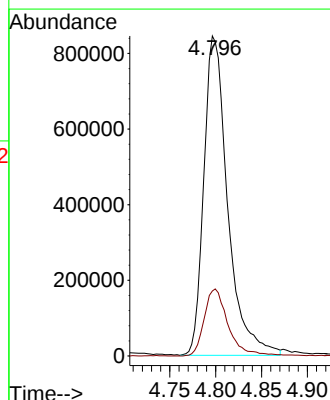
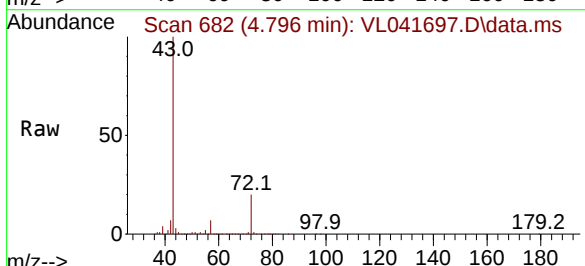
Acq: 20 Nov 2024 8:09

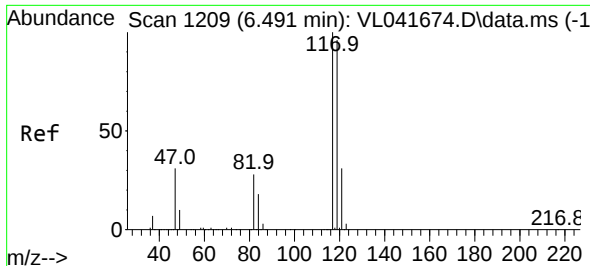
Tgt Ion: 43 Resp: 1528409

Ion Ratio Lower Upper

43 100

72 21.3 17.4 26.0

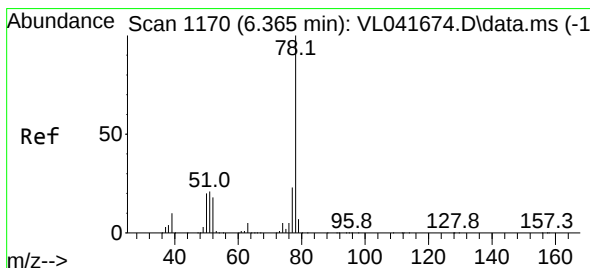
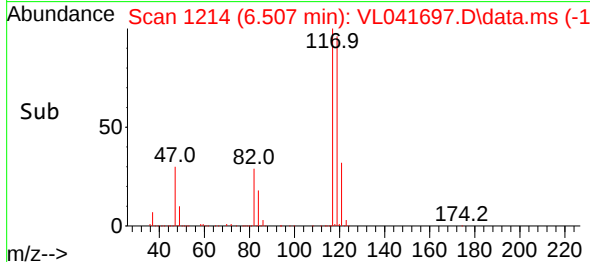
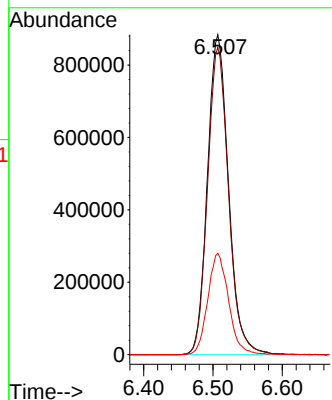
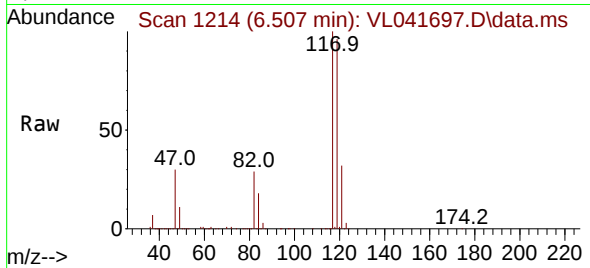




#35
Carbon Tetrachloride
Concen: 11.222 ppbv
RT: 6.507 min Scan# 1176
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

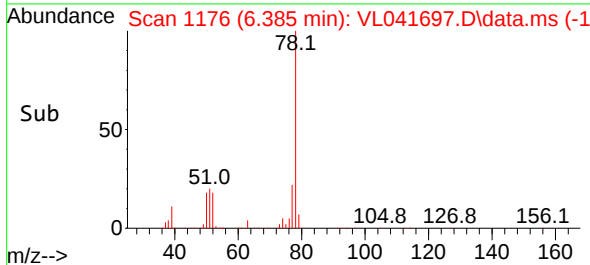
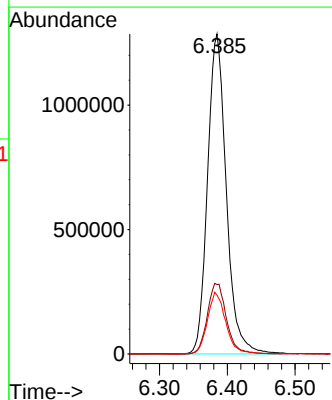
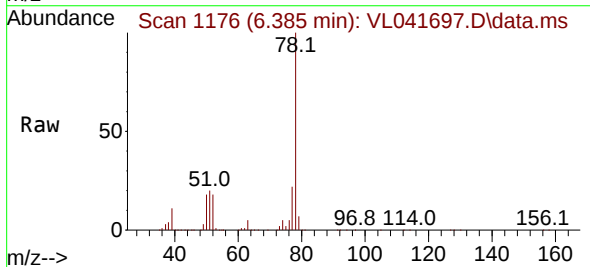
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

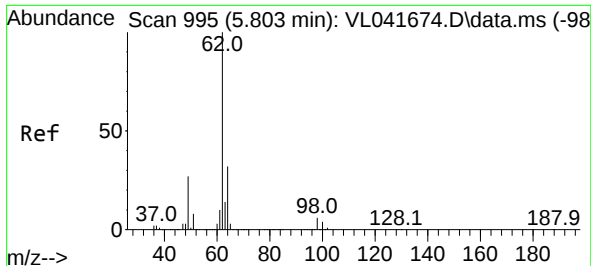
Tgt Ion:117 Resp: 1867710
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8
121 31.7 25.0 37.4



#36
Benzene
Concen: 10.579 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 78 Resp: 2472710
Ion Ratio Lower Upper
78 100
77 21.7 18.5 27.7
50 18.3 15.6 23.4

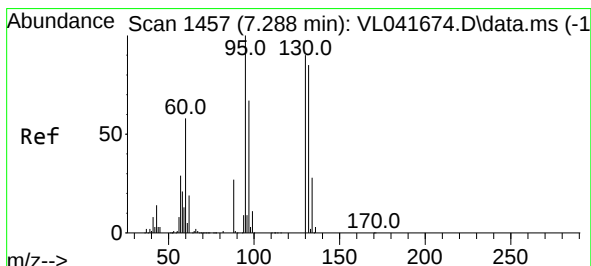
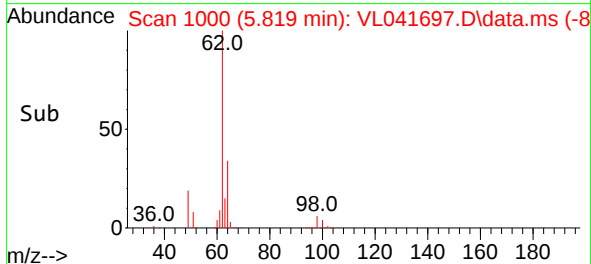
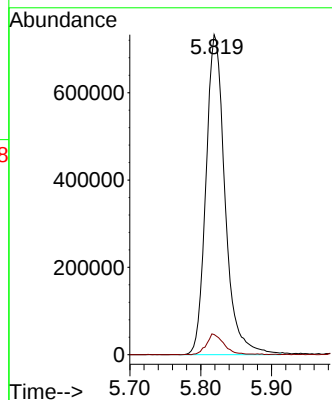
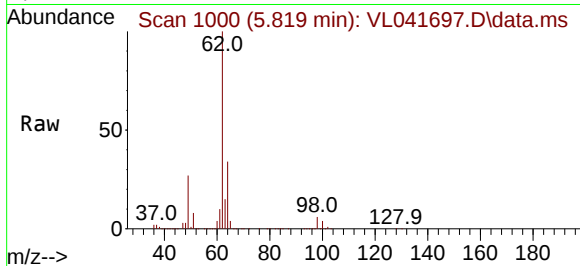




#37
1,2-Dichloroethane
Concen: 10.411 ppbv
RT: 5.819 min Scan# 10
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

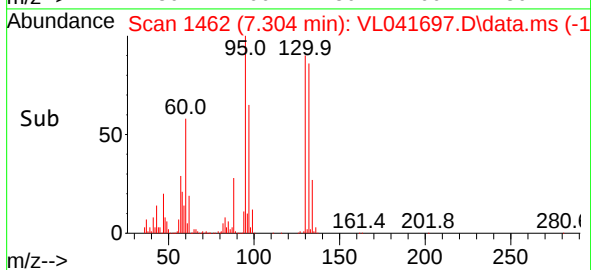
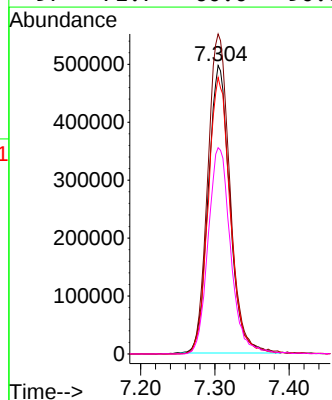
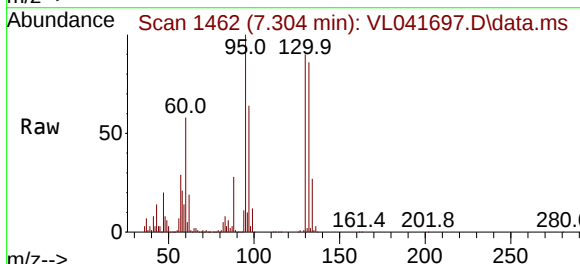
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

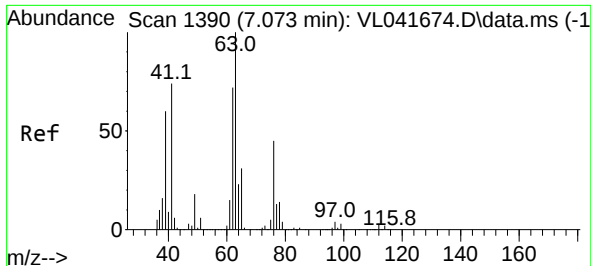
Tgt Ion: 62 Resp: 1372788
Ion Ratio Lower Upper
62 100
98 6.2 5.2 7.8



#38
Trichloroethene
Concen: 11.179 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:130 Resp: 1003555
Ion Ratio Lower Upper
130 100
95 111.2 89.1 133.7
132 96.1 75.7 113.5
97 71.7 60.0 90.0





#39

1,2-Dichloropropane

Concen: 10.346 ppbv

RT: 7.089 min Scan# 1

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

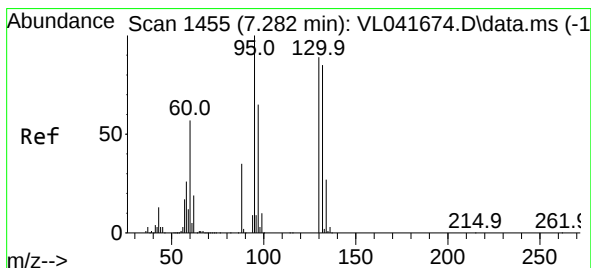
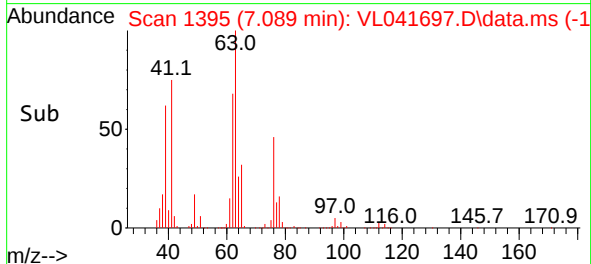
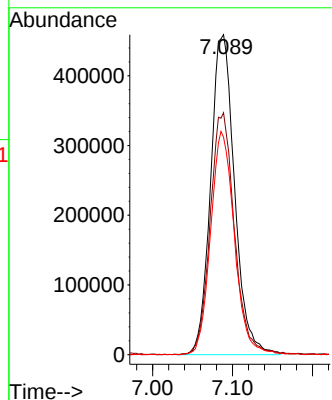
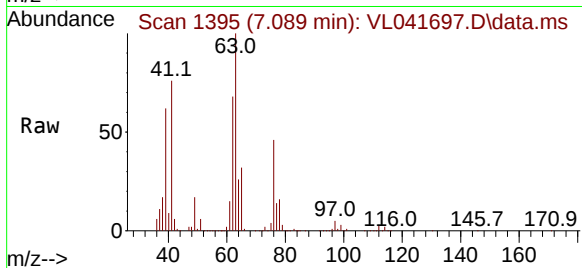
Tgt Ion: 63 Resp: 955590

Ion Ratio Lower Upper

63 100

41 75.6 59.1 88.7

62 67.9 57.7 86.5



#40

1,4-Dioxane

Concen: 11.031 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Tgt Ion: 88 Resp: 365570

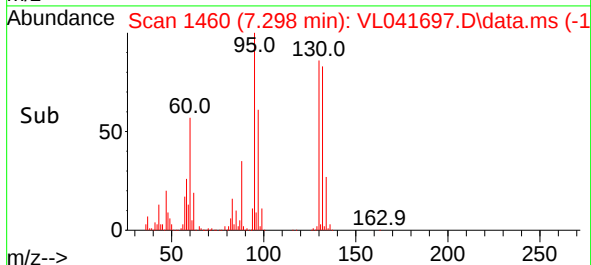
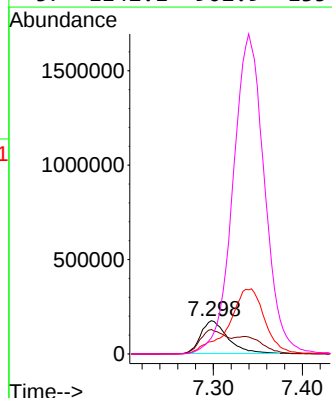
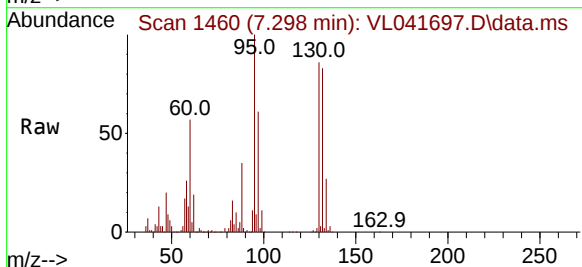
Ion Ratio Lower Upper

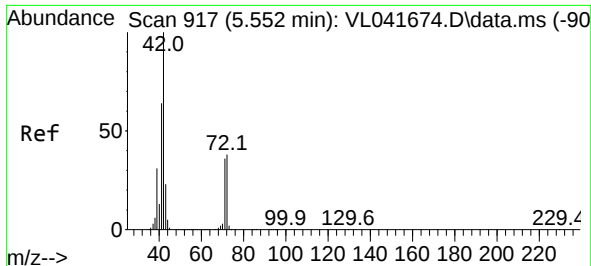
88 100

58 128.6 101.4 152.2

43 263.4 208.0 312.0

57 1142.1 902.9 1354.3

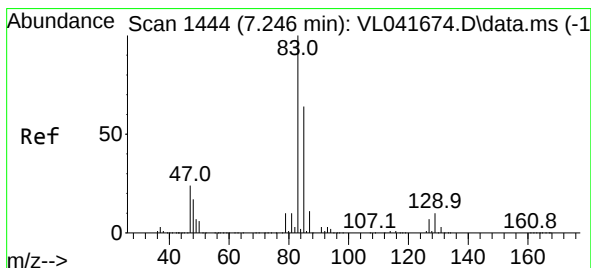
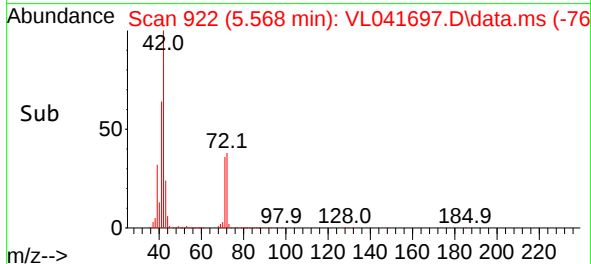
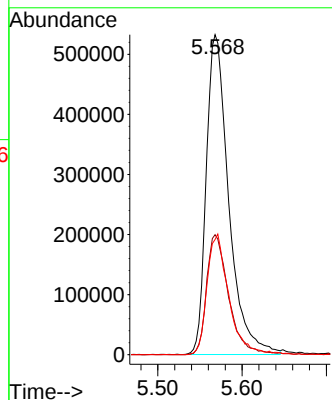
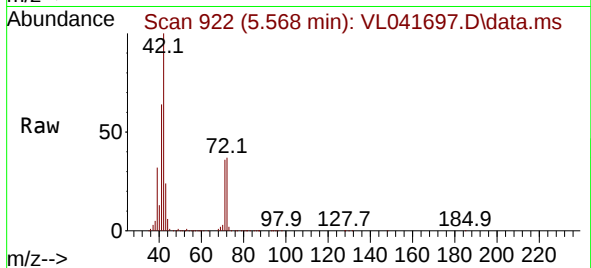




#41
Tetrahydrofuran
Concen: 11.035 ppbv
RT: 5.568 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

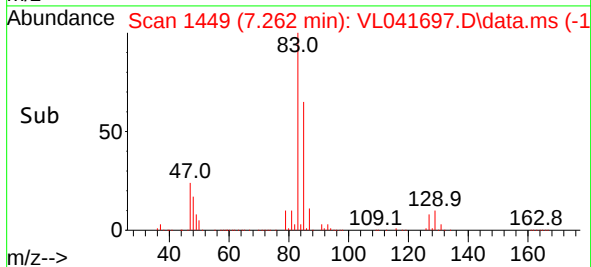
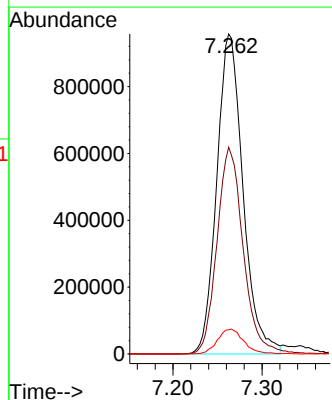
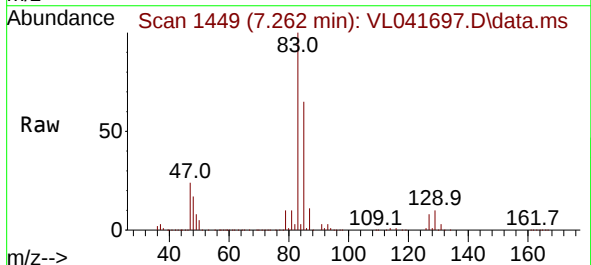
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

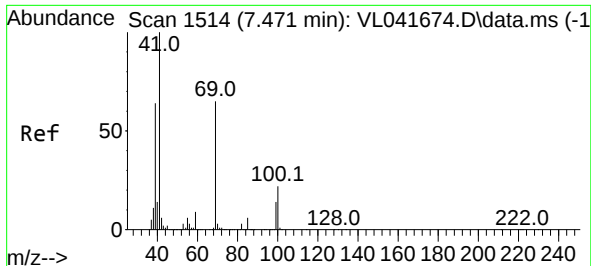
Tgt Ion: 42 Resp: 989840
Ion Ratio Lower Upper
42 100
72 37.2 29.8 44.6
71 36.8 29.4 44.2



#42
Bromodichloromethane
Concen: 10.692 ppbv
RT: 7.262 min Scan# 1449
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 83 Resp: 1959114
Ion Ratio Lower Upper
83 100
85 64.6 51.2 76.8
127 7.6 6.0 9.0

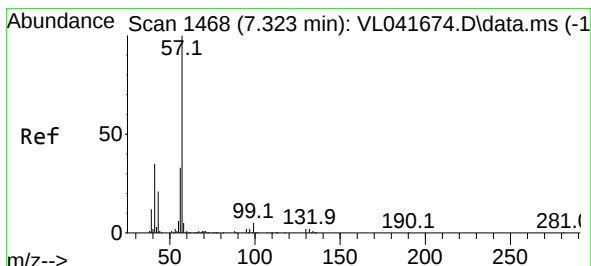
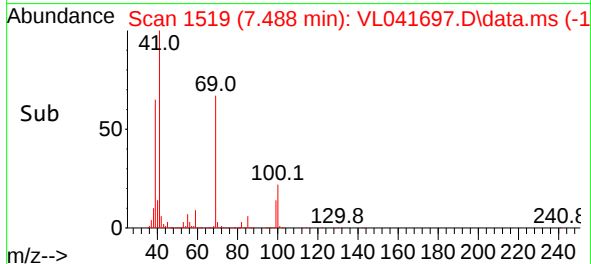
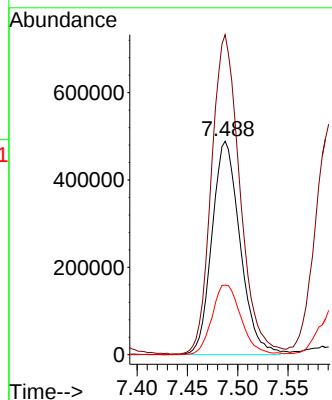
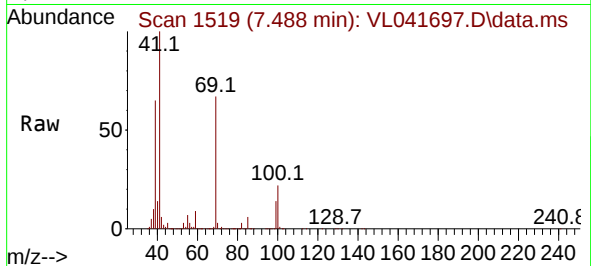




#43
Methyl Methacrylate
Concen: 11.538 ppbv
RT: 7.488 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

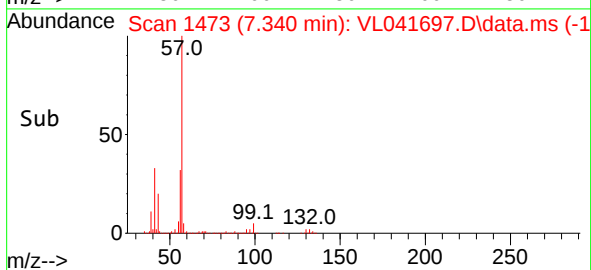
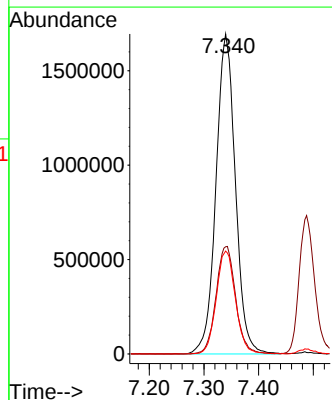
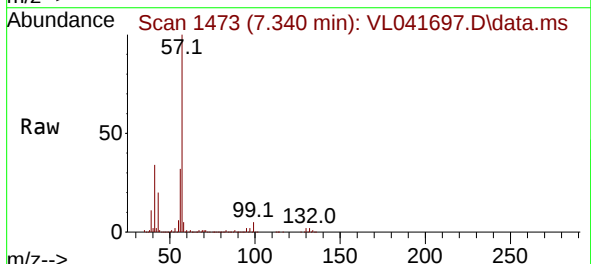
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

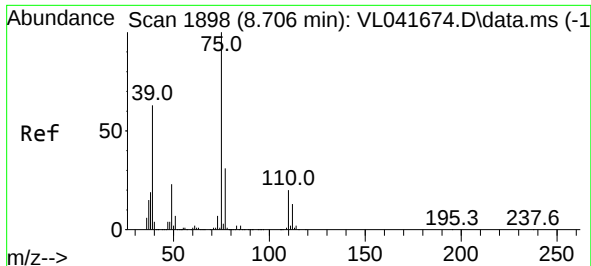
Tgt Ion: 69 Resp: 946899
Ion Ratio Lower Upper
69 100
41 152.6 119.8 179.6
100 34.0 27.3 40.9



#44
2,2,4-Trimethylpentane
Concen: 10.542 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 57 Resp: 4173715
Ion Ratio Lower Upper
57 100
41 33.7 27.0 40.6
56 31.9 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 12.663 ppbv

RT: 8.725 min Scan# 1904

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

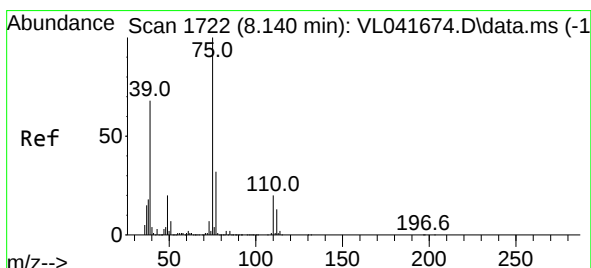
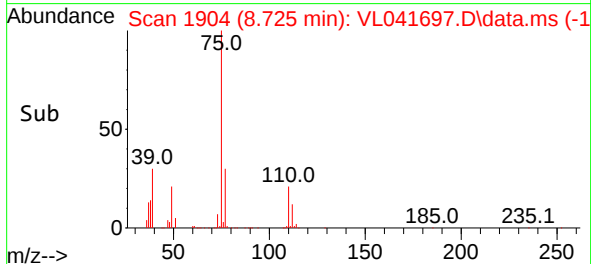
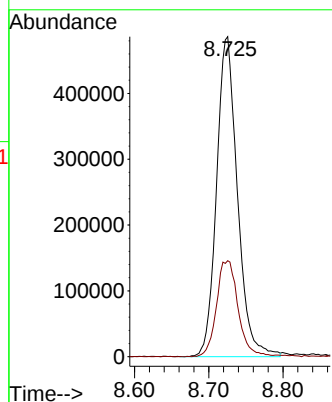
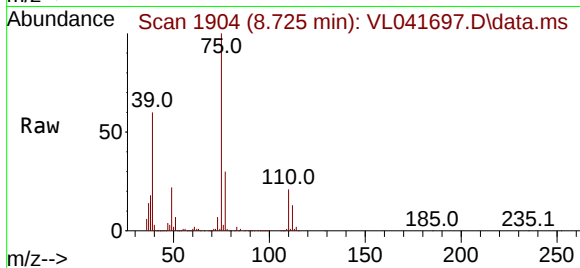
VSTDCCC010

Tgt Ion: 75 Resp: 949613

Ion Ratio Lower Upper

75 100

77 30.0 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.922 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

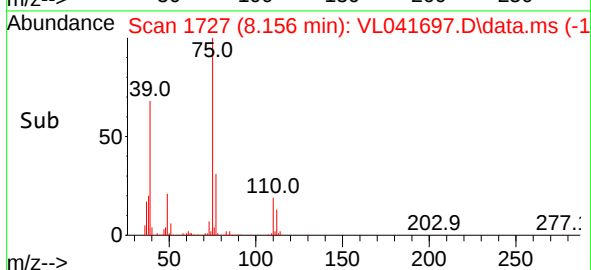
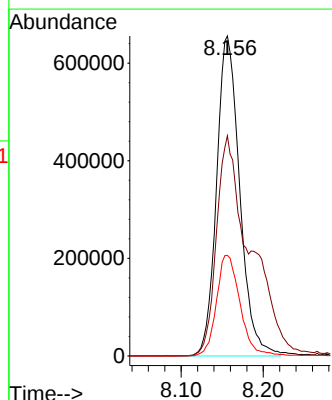
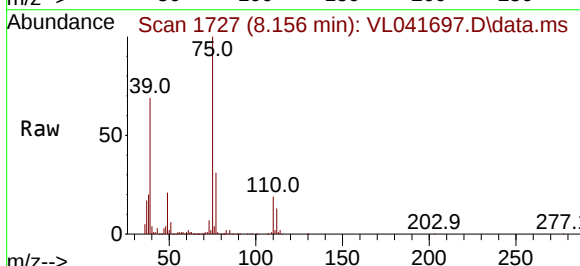
Tgt Ion: 75 Resp: 1284127

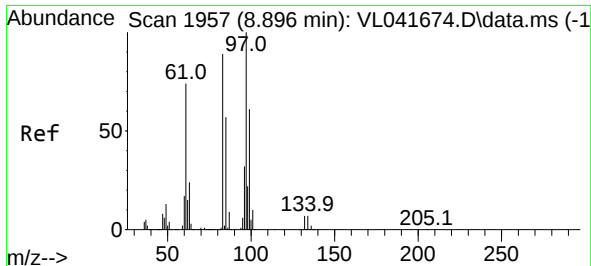
Ion Ratio Lower Upper

75 100

39 68.7 54.1 81.1

77 31.5 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 10.225 ppbv

RT: 8.915 min Scan# 1957

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

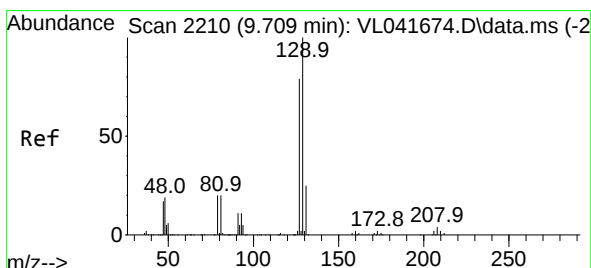
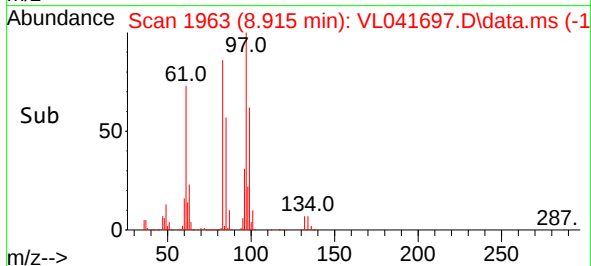
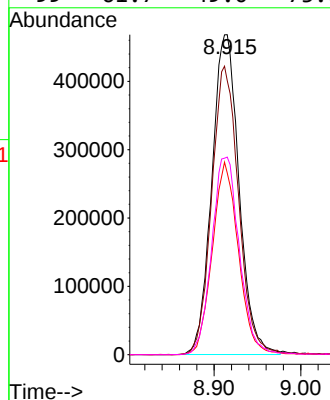
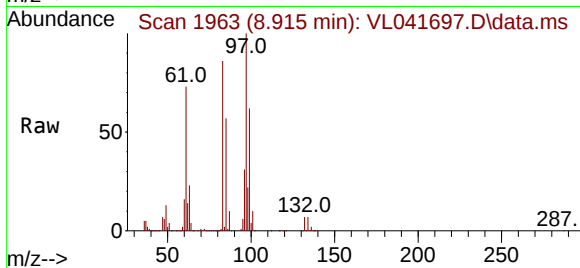
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1022170

Ion	Ratio	Lower	Upper
97	100		
83	85.5	71.0	106.6
85	56.8	45.4	68.2
99	61.7	49.0	73.6



#48

Dibromochloromethane

Concen: 11.129 ppbv

RT: 9.725 min Scan# 2215

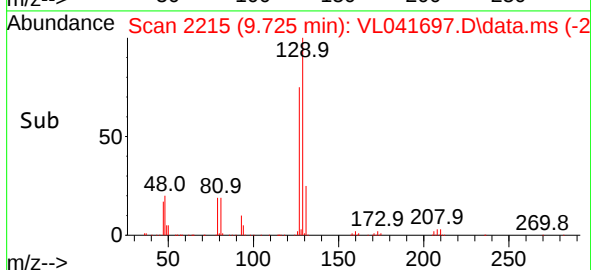
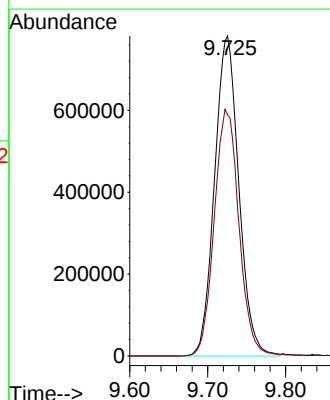
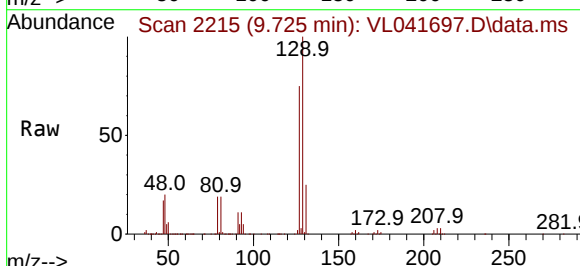
Delta R.T. 0.016 min

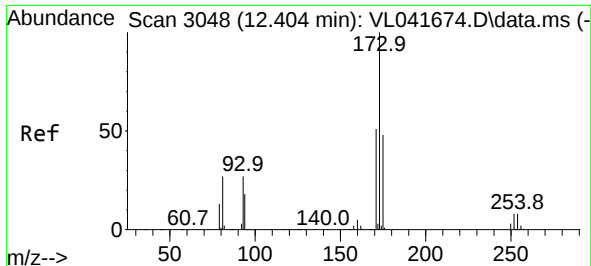
Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Tgt Ion: 129 Resp: 1691178

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.1	117.2

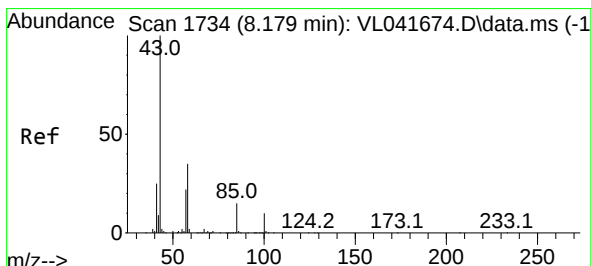
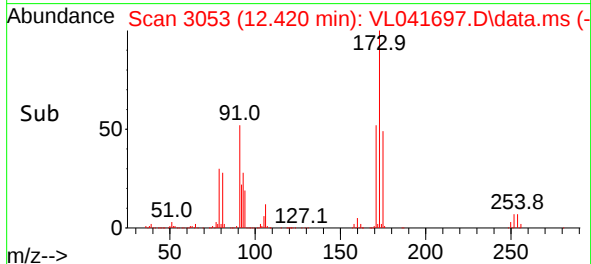
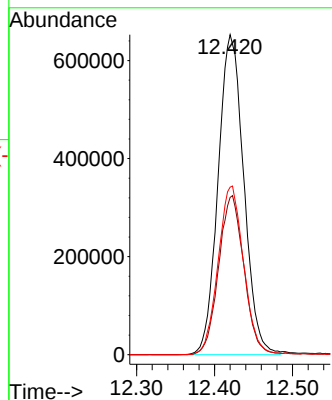
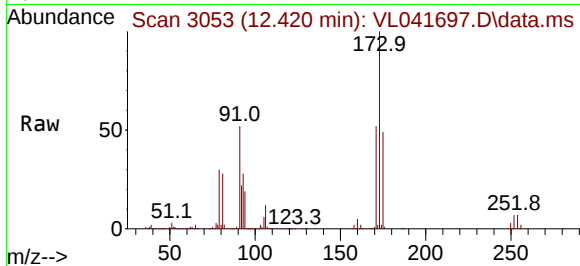




#49
Bromoform
Concen: 11.514 ppbv
RT: 12.420 min Scan# 3048
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

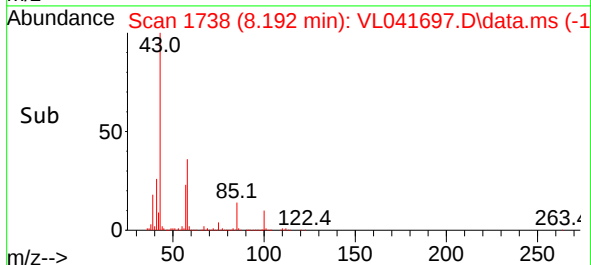
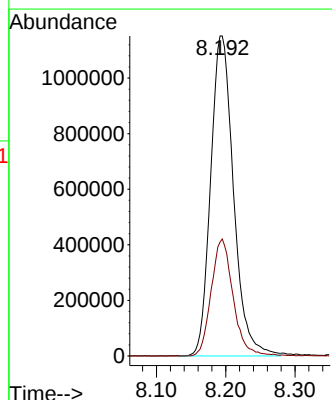
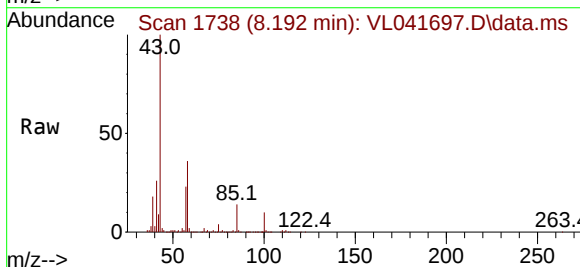
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

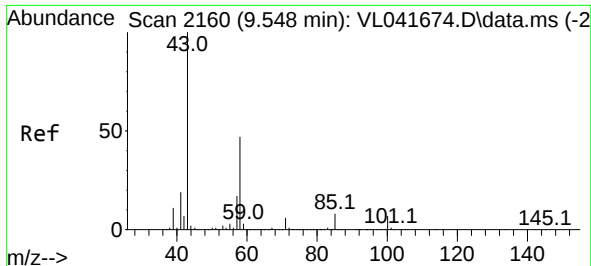
Tgt Ion:173 Resp: 1497113
Ion Ratio Lower Upper
173 100
175 49.4 39.2 58.8
171 52.5 41.7 62.5



#50
4-Methyl-2-Pentanone
Concen: 10.950 ppbv
RT: 8.192 min Scan# 1738
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 43 Resp: 2640409
Ion Ratio Lower Upper
43 100
58 35.2 27.7 41.5



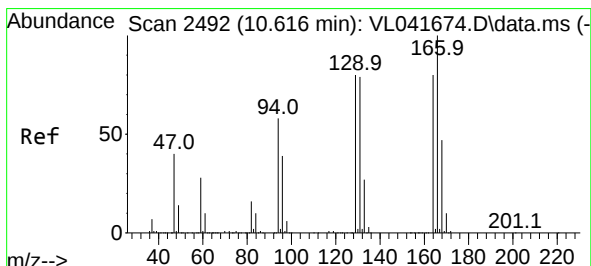
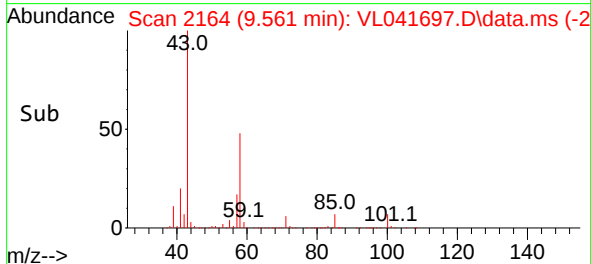
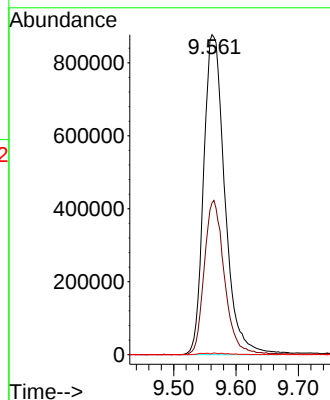
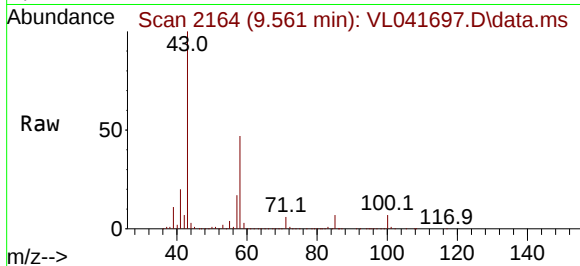


#51
2-Hexanone
Concen: 11.773 ppbv
RT: 9.561 min Scan# 2160
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2067266

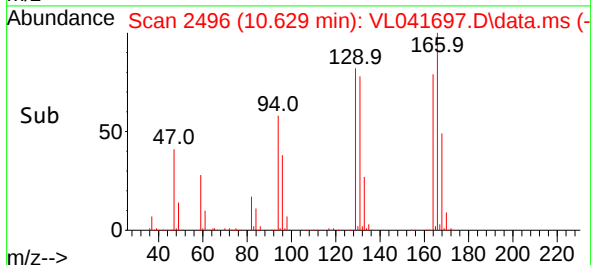
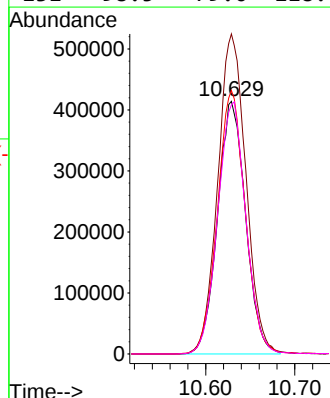
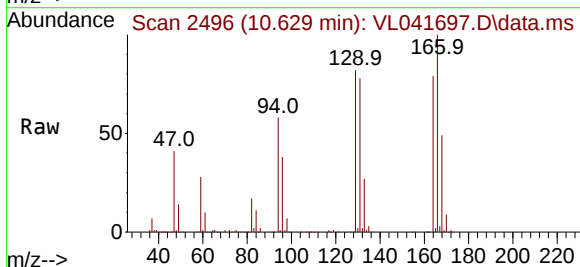
Ion	Ratio	Lower	Upper
43	100		
58	46.3	37.0	55.6
98	0.6	0.6	0.8

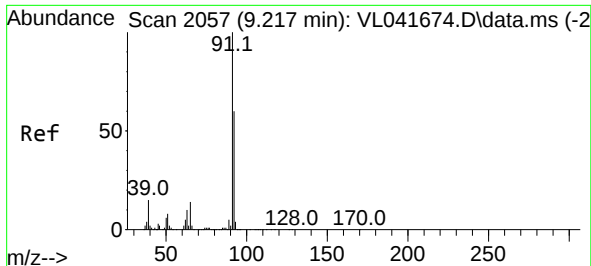


#52
Tetrachloroethene
Concen: 11.336 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 164 Resp: 902967

Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.2	150.4
129	104.2	79.7	119.5
131	98.5	79.0	118.4

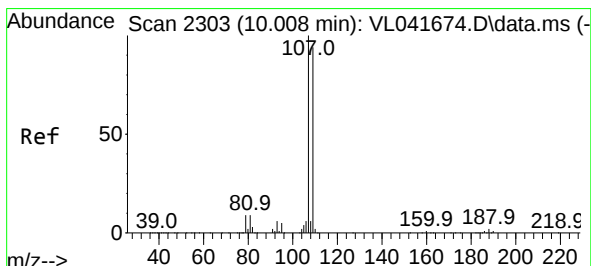
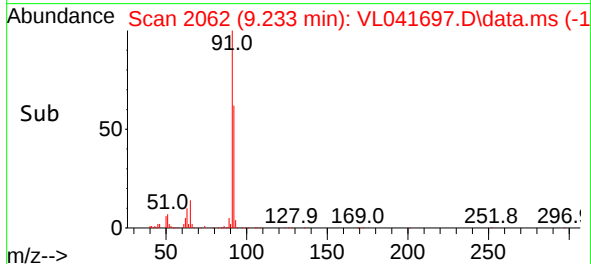
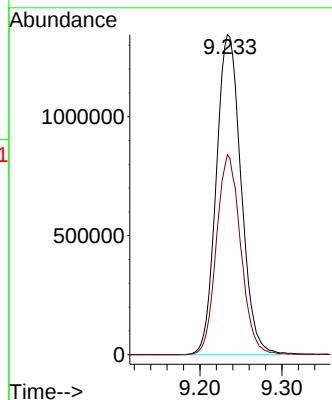
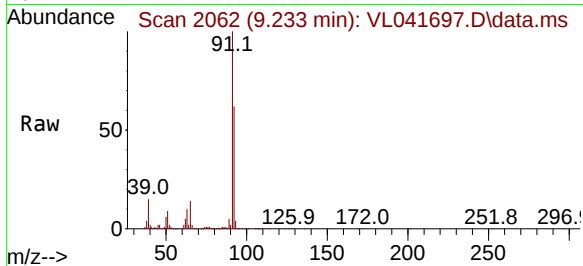




#53
Toluene
Concen: 11.509 ppbv
RT: 9.233 min Scan# 2057
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

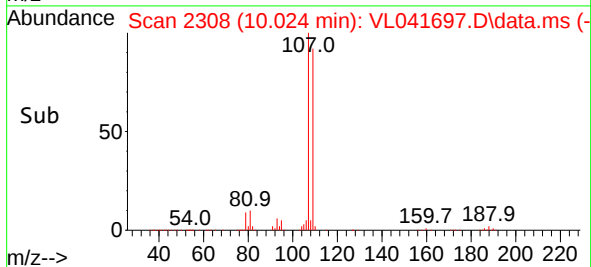
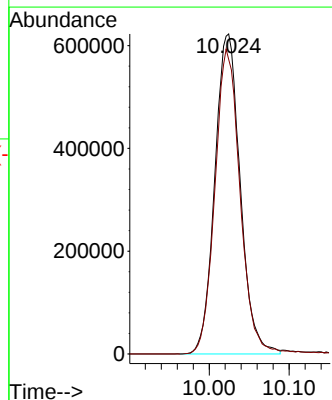
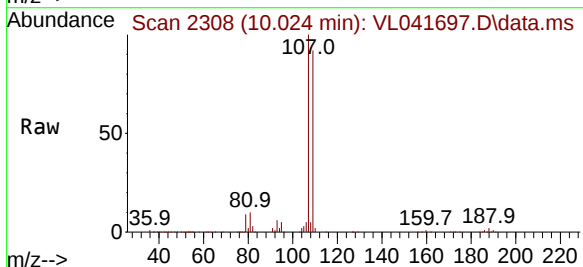
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

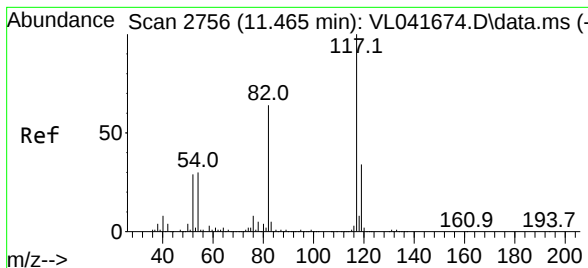
Tgt Ion: 91 Resp: 2828799
Ion Ratio Lower Upper
91 100
92 61.3 49.0 73.4



#54
1,2-Dibromoethane
Concen: 11.753 ppbv
RT: 10.024 min Scan# 2308
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 107 Resp: 1372700
Ion Ratio Lower Upper
107 100
109 92.1 74.9 112.3

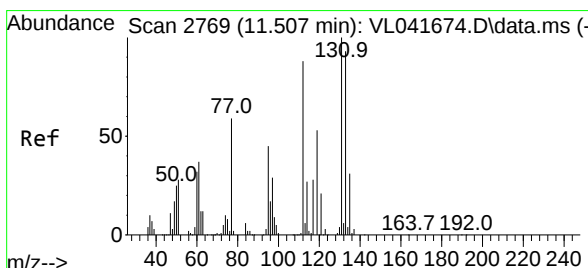
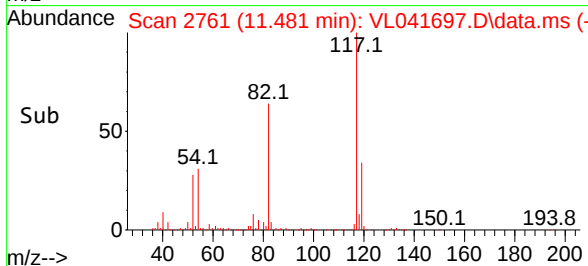
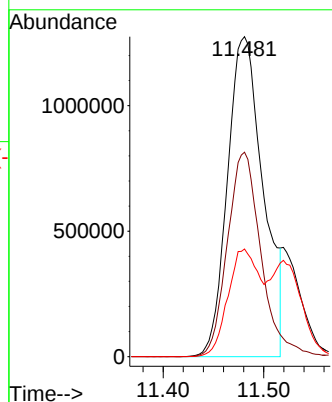
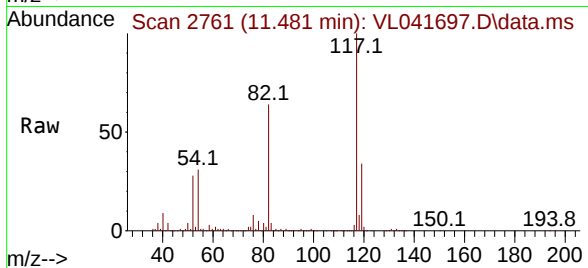




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2756
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

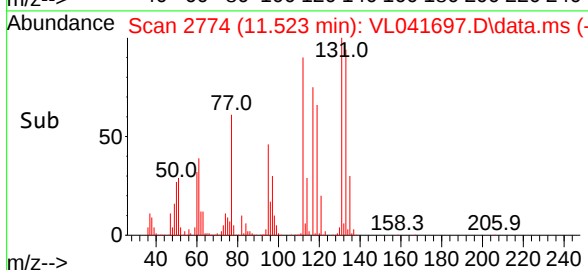
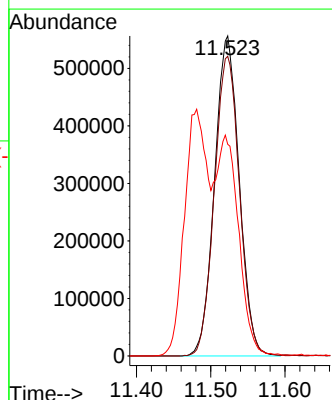
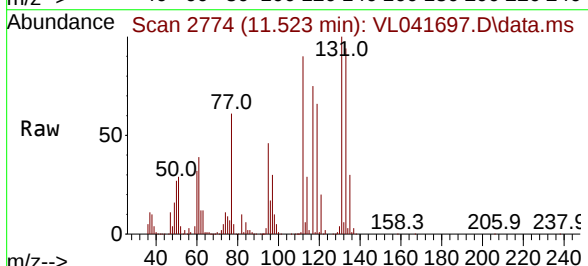
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

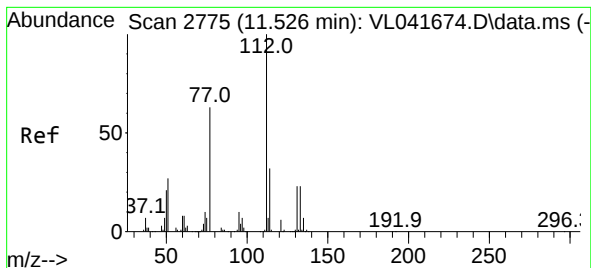
Tgt Ion:117 Resp: 3151187
Ion Ratio Lower Upper
117 100
82 60.6 49.8 74.8
119 31.4 24.2 36.4



#56
1,1,1,2-Tetrachloroethane
Concen: 9.877 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion:131 Resp: 1283659
Ion Ratio Lower Upper
131 100
133 95.7 76.5 114.7
119 61.9 49.8 74.8

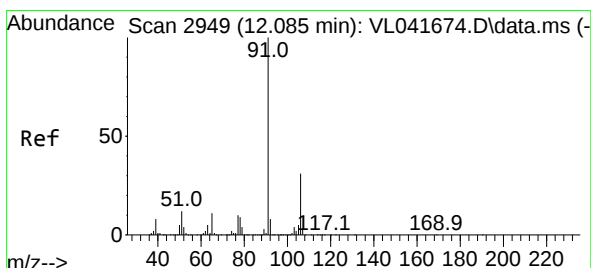
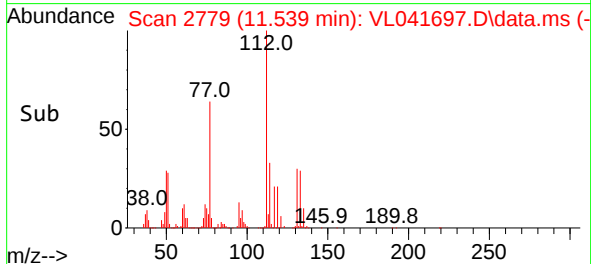
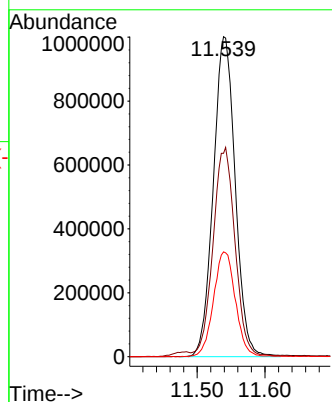
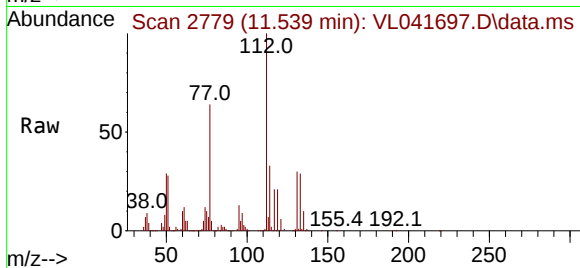




#57
Chlorobenzene
Concen: 9.643 ppbv
RT: 11.539 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

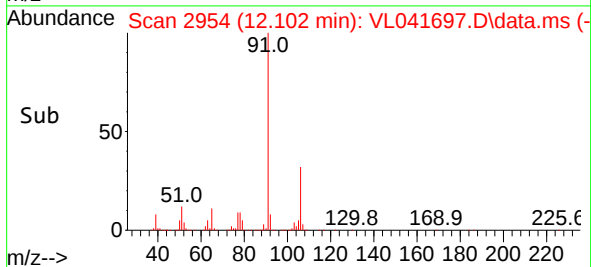
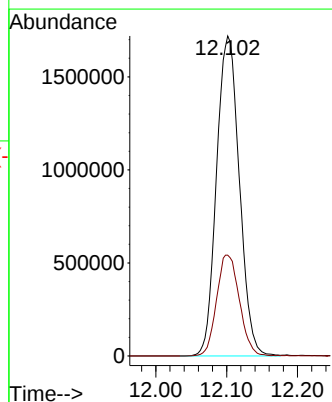
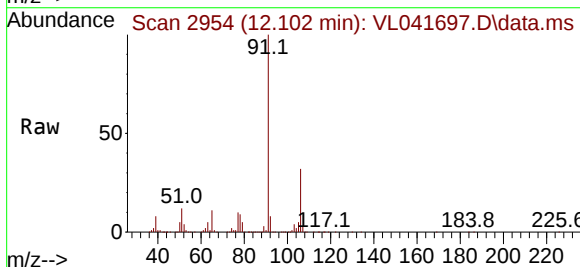
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

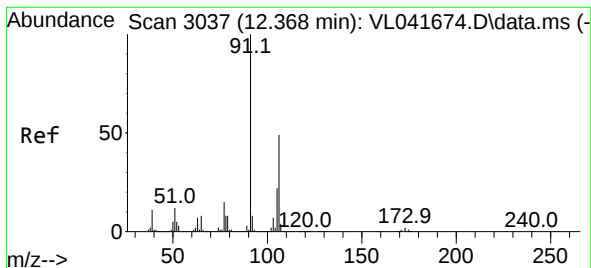
Tgt Ion:112 Resp: 2247475
Ion Ratio Lower Upper
112 100
77 63.2 51.4 77.2
114 32.8 28.4 34.8



#58
Ethyl Benzene
Concen: 11.125 ppbv
RT: 12.102 min Scan# 2954
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 91 Resp: 3843108
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3





#59

m/p-Xylene

Concen: 11.188 ppbv

RT: 12.384 min Scan# 3042

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

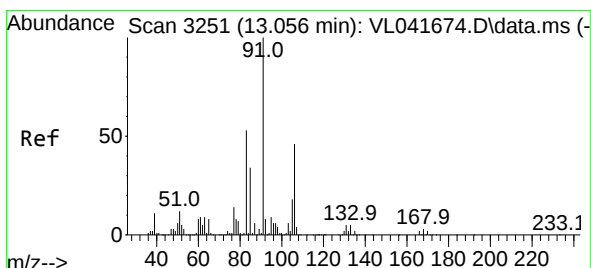
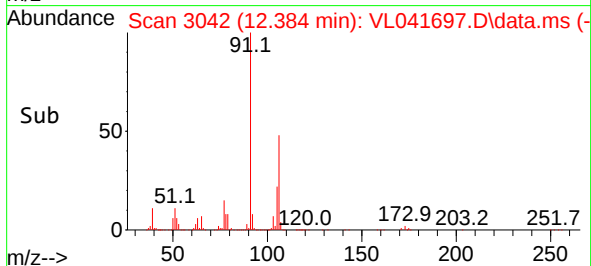
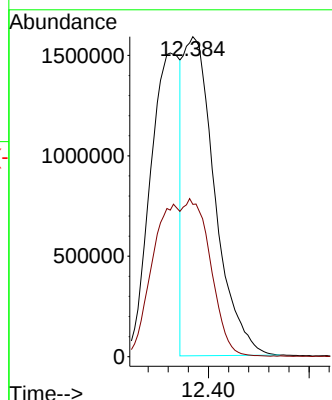
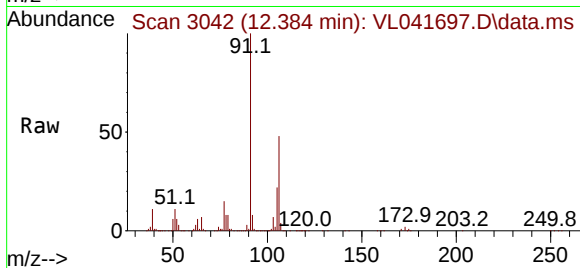
VSTDCCC010

Tgt Ion: 91 Resp: 3461250

Ion Ratio Lower Upper

91 100

106 86.8 36.9 55.3#



#60

o-Xylene

Concen: 10.765 ppbv

RT: 13.073 min Scan# 3256

Delta R.T. 0.016 min

Lab File: VL041697.D

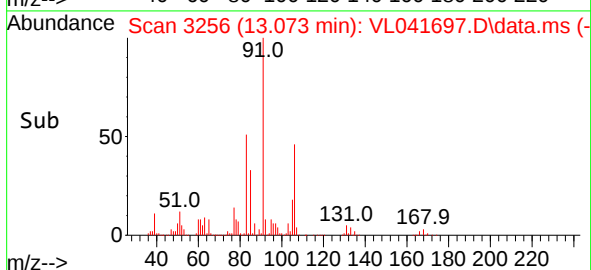
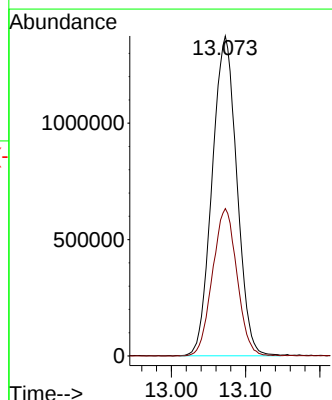
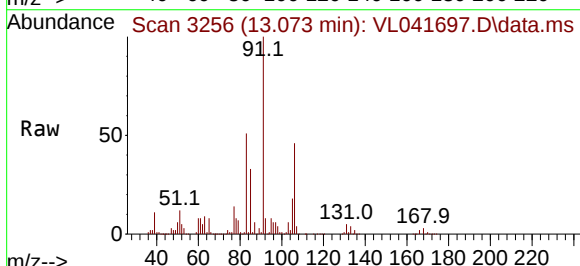
Acq: 20 Nov 2024 8:09

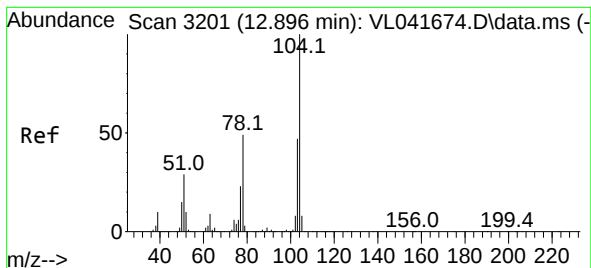
Tgt Ion: 91 Resp: 3175724

Ion Ratio Lower Upper

91 100

106 45.8 23.2 69.6





#61

Styrene

Concen: 12.528 ppbv

RT: 12.909 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

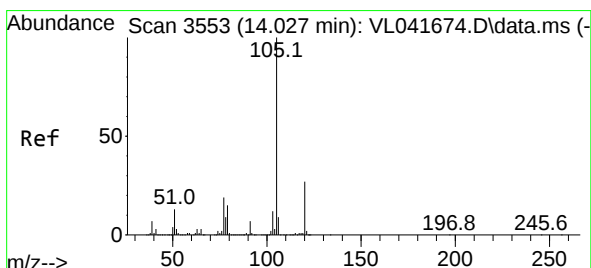
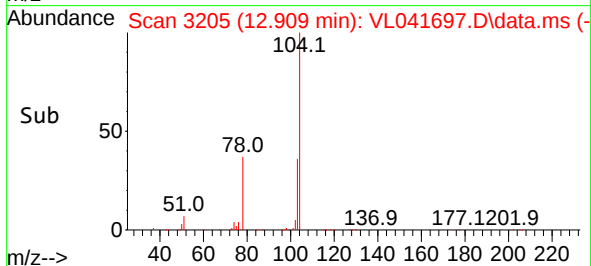
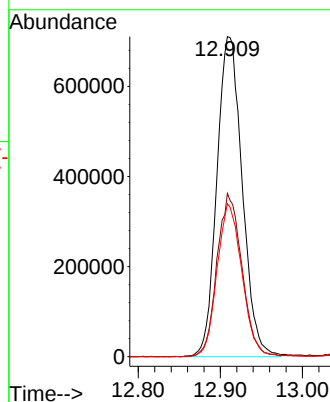
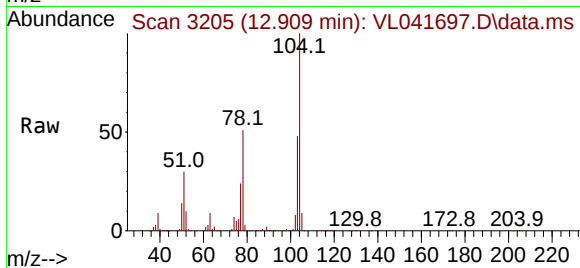
Tgt Ion:104 Resp: 1525338

Ion Ratio Lower Upper

104 100

78 50.4 39.8 59.8

103 47.1 37.4 56.0



#62

Isopropylbenzene

Concen: 10.279 ppbv

RT: 14.044 min Scan# 3558

Delta R.T. 0.016 min

Lab File: VL041697.D

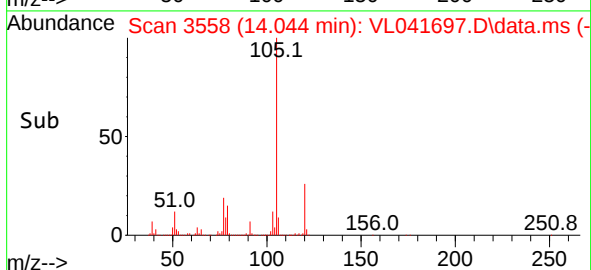
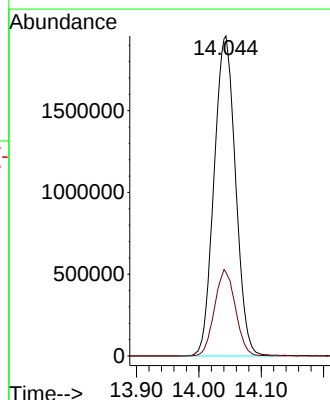
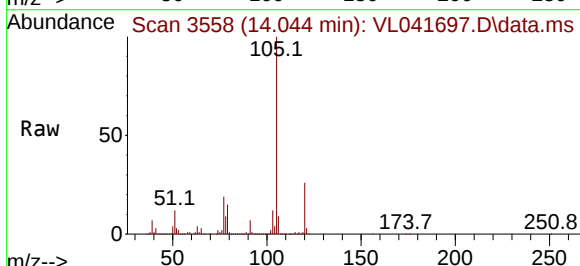
Acq: 20 Nov 2024 8:09

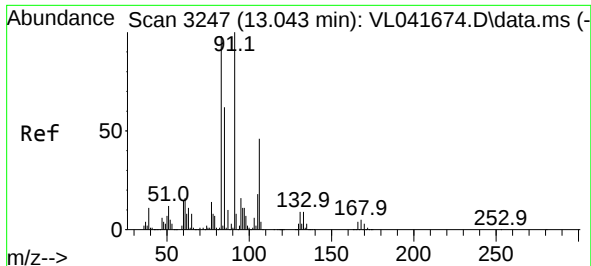
Tgt Ion:105 Resp: 4683267

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

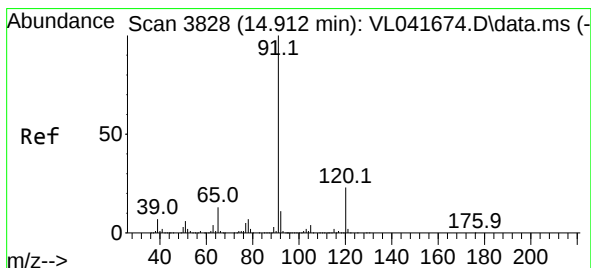
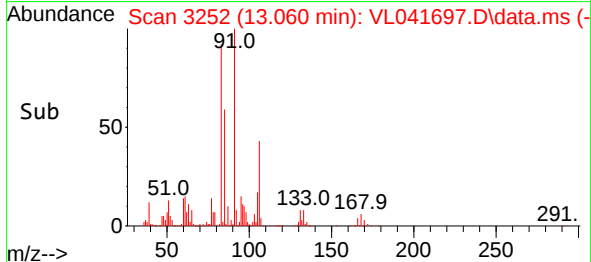
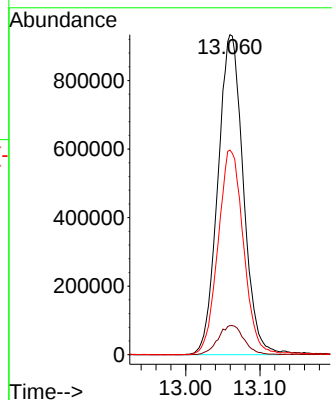
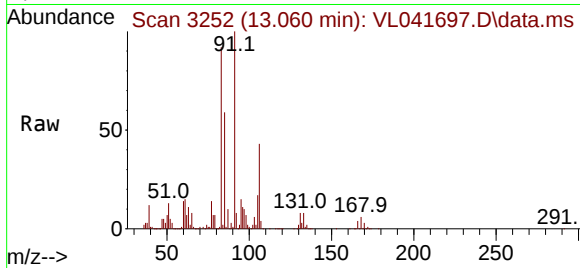




#63
1,1,2,2-Tetrachloroethane
Concen: 10.206 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

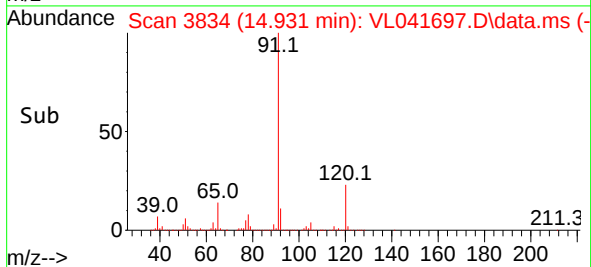
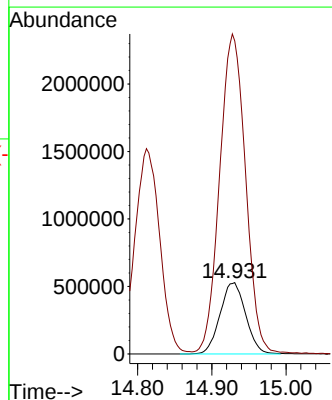
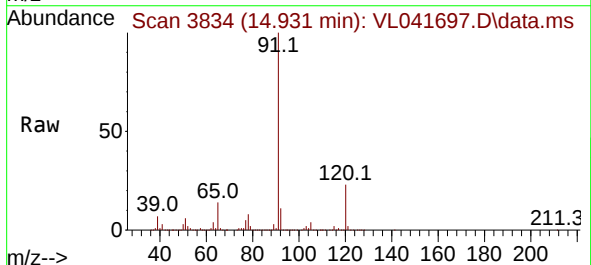
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

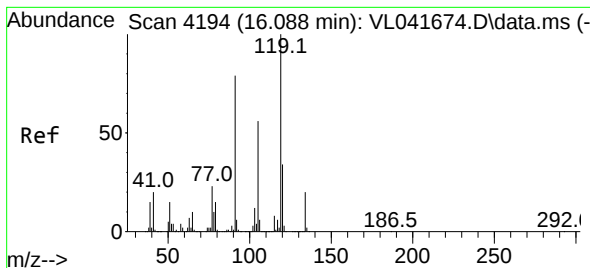
Tgt Ion: 83 Resp: 2214634
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.3
85 64.8 32.6 98.0



#64
n-propylbenzene
Concen: 10.613 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.019 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 120 Resp: 1265758
Ion Ratio Lower Upper
120 100
91 455.9 362.4 543.6





#65

tert-Butylbenzene

Concen: 10.232 ppbv

RT: 16.101 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

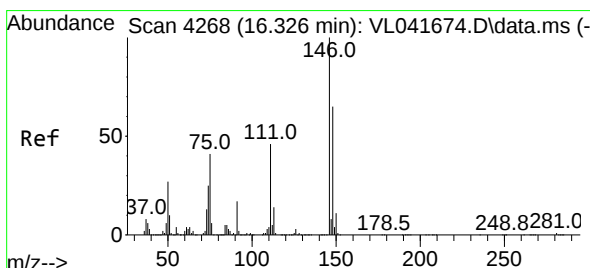
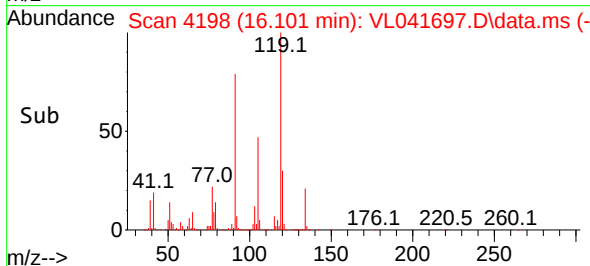
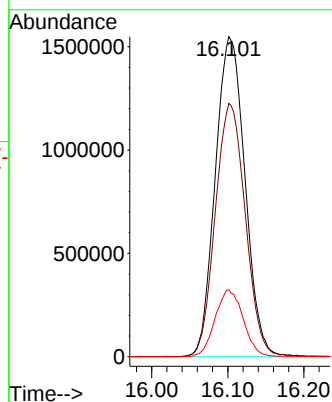
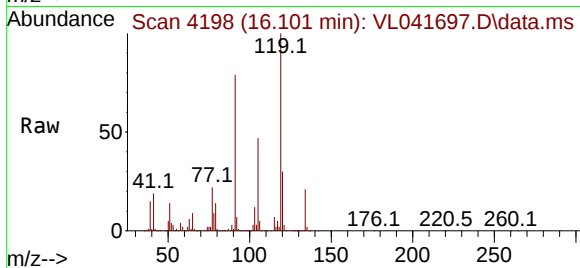
Tgt Ion:119 Resp: 4189774

Ion Ratio Lower Upper

119 100

91 80.4 64.3 96.5

134 19.9 15.8 23.8



#66

Benzyl Chloride

Concen: 11.768 ppbv

RT: 16.342 min Scan# 4273

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

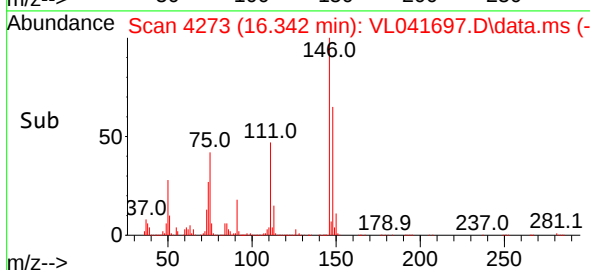
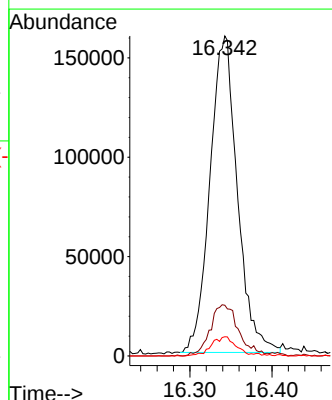
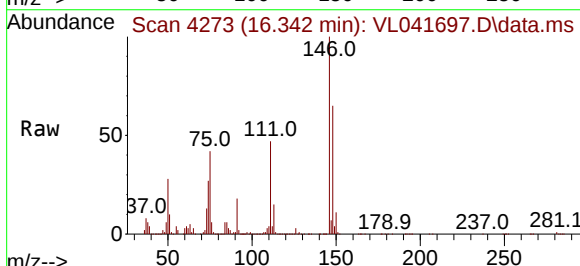
Tgt Ion: 91 Resp: 370716

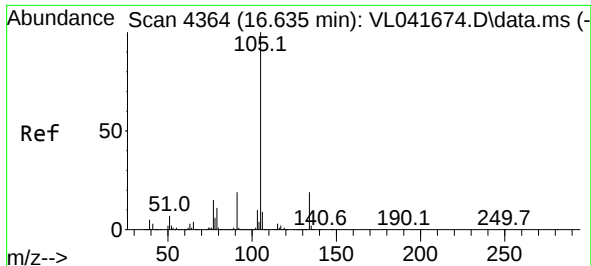
Ion Ratio Lower Upper

91 100

126 17.4 13.8 20.6

128 5.8 4.3 6.5

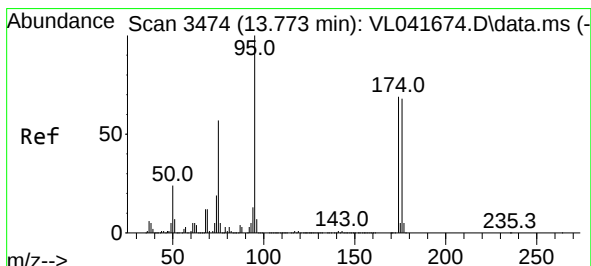
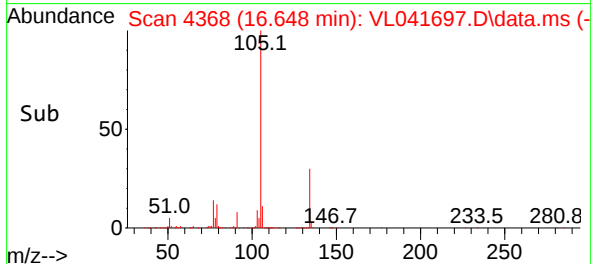
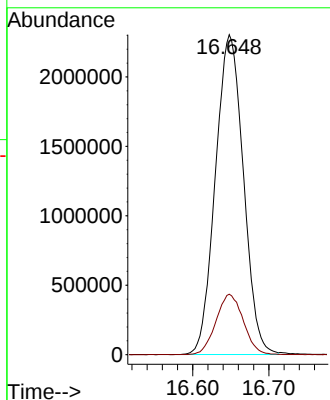
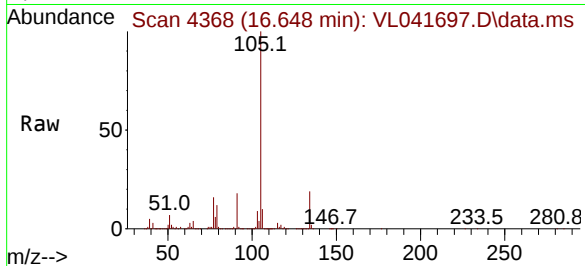




#67
sec-Butylbenzene
Concen: 10.193 ppbv
RT: 16.648 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

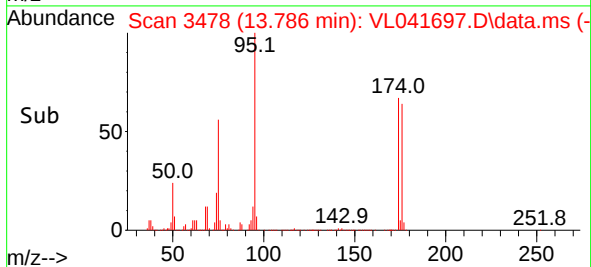
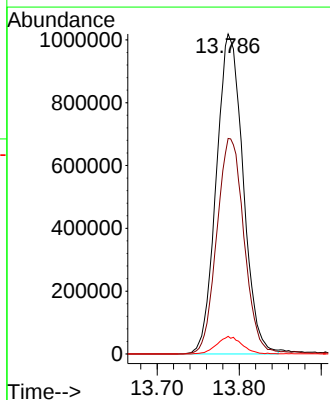
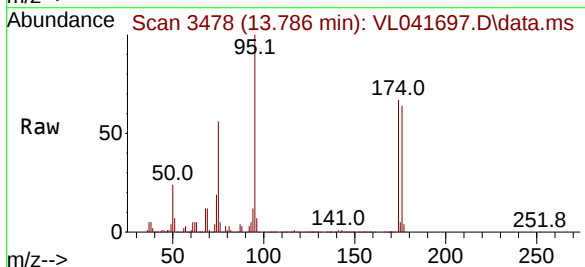
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

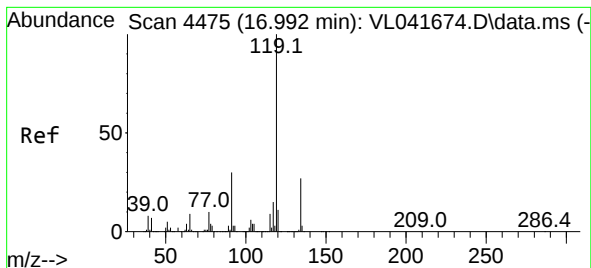
Tgt Ion:105 Resp: 5882804
Ion Ratio Lower Upper
105 100
134 18.5 14.6 22.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.949 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 95 Resp: 2309915
Ion Ratio Lower Upper
95 100
174 69.5 55.6 83.4
175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 10.526 ppbv

RT: 17.008 min Scan# 4475

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

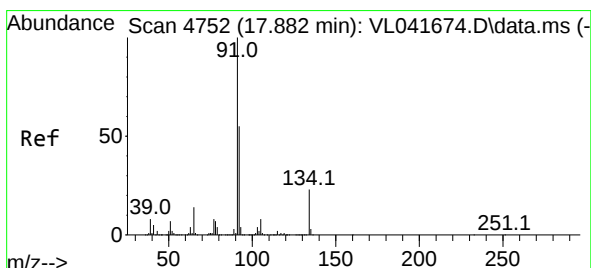
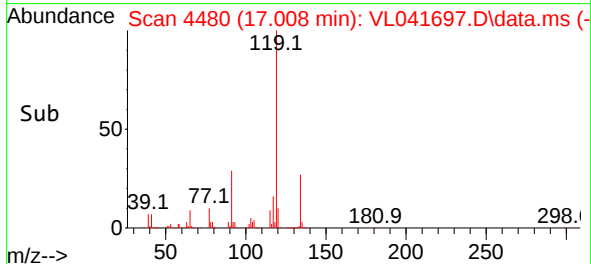
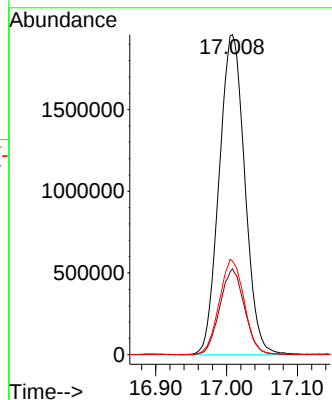
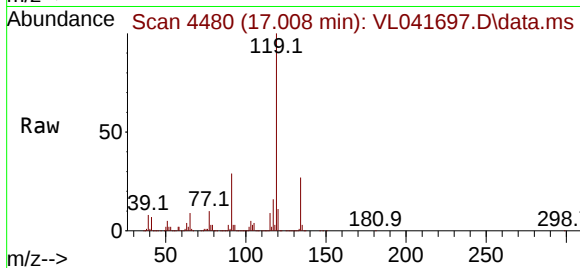
Tgt Ion:119 Resp: 4911348

Ion Ratio Lower Upper

119 100

134 25.9 20.8 31.2

91 29.2 23.2 34.8



#70

n-Butylbenzene

Concen: 10.634 ppbv

RT: 17.899 min Scan# 4757

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

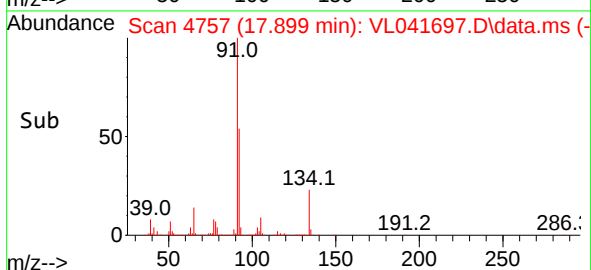
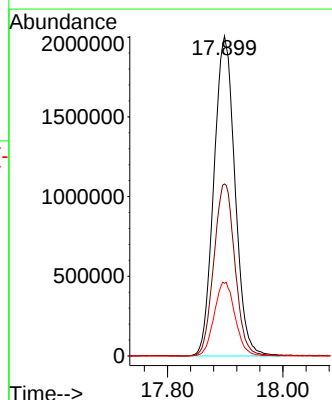
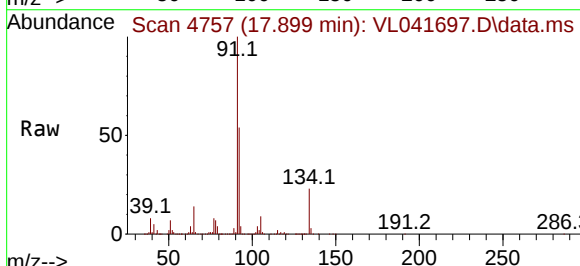
Tgt Ion: 91 Resp: 5076678

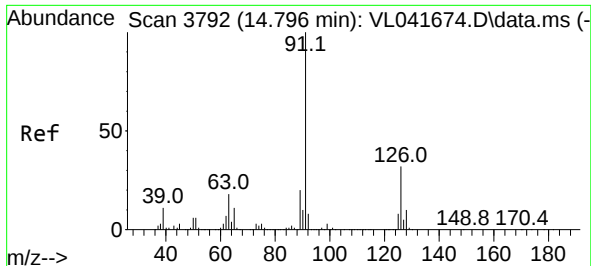
Ion Ratio Lower Upper

91 100

92 53.9 43.3 64.9

134 23.0 18.4 27.6

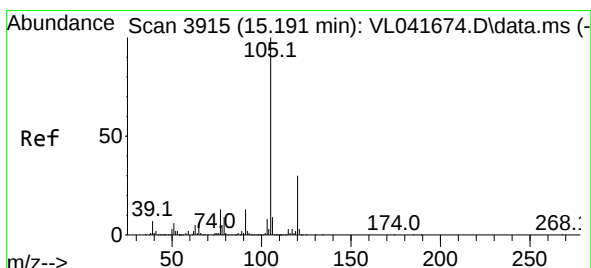
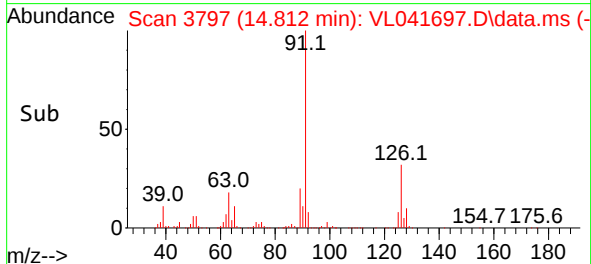
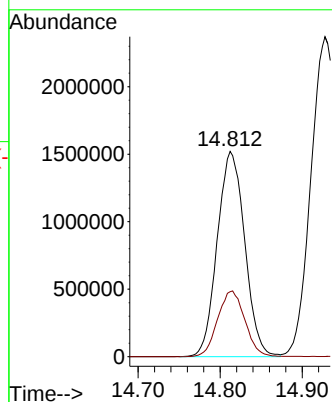
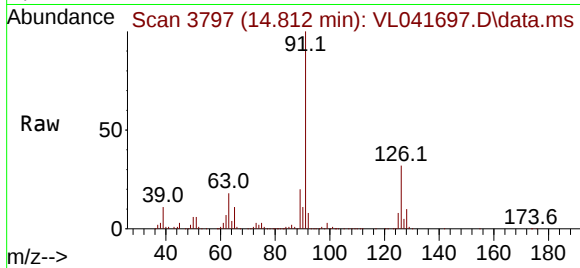




#71
2-Chlorotoluene
Concen: 10.754 ppbv
RT: 14.812 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

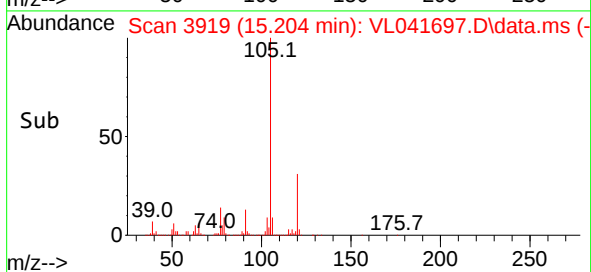
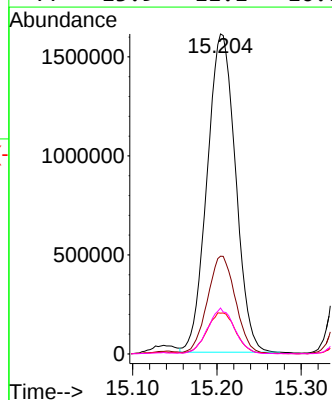
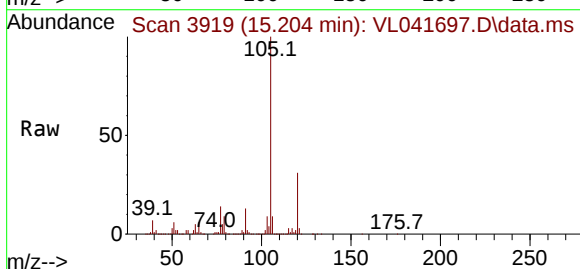
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

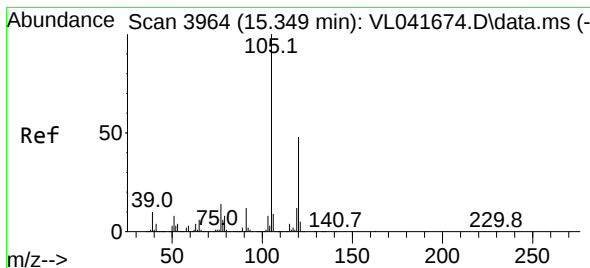
Tgt Ion: 91 Resp: 3541658
Ion Ratio Lower Upper
91 100
126 31.9 12.8 51.0



#72
4-Ethyltoluene
Concen: 10.987 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.013 min
Lab File: VL041697.D
Acq: 20 Nov 2024 8:09

Tgt Ion: 105 Resp: 3768131
Ion Ratio Lower Upper
105 100
120 31.4 25.0 37.4
91 13.7 10.6 15.8
77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.734 ppbv

RT: 15.362 min Scan# 3964

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

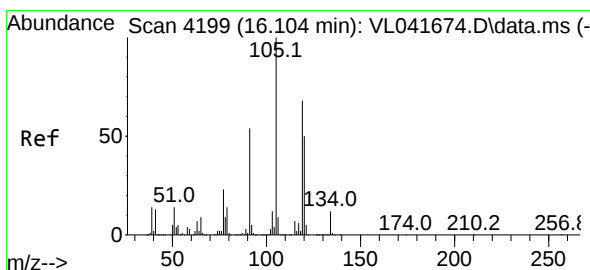
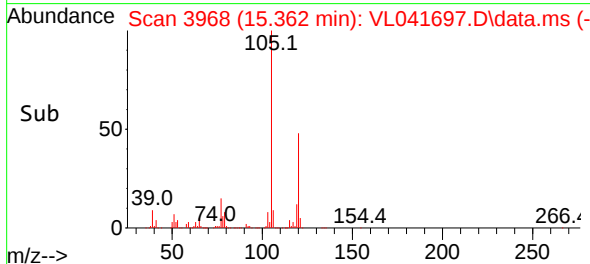
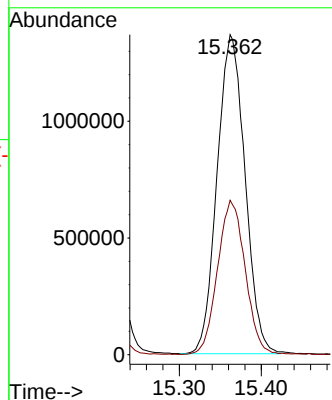
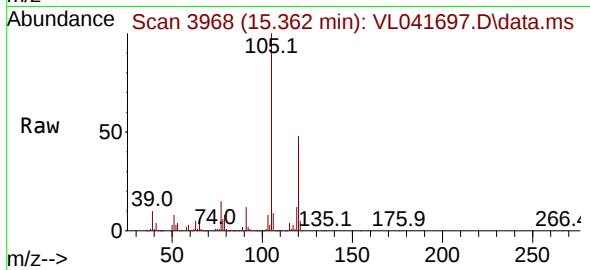
VSTDCCC010

Tgt Ion:105 Resp: 3230569

Ion Ratio Lower Upper

105 100

120 48.3 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 10.295 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Tgt Ion:105 Resp: 3599066

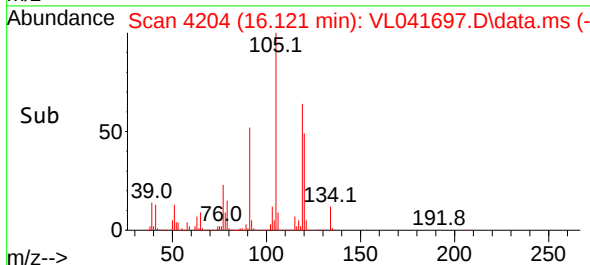
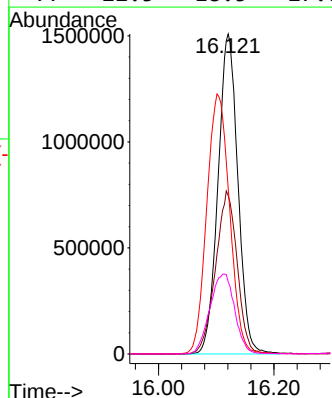
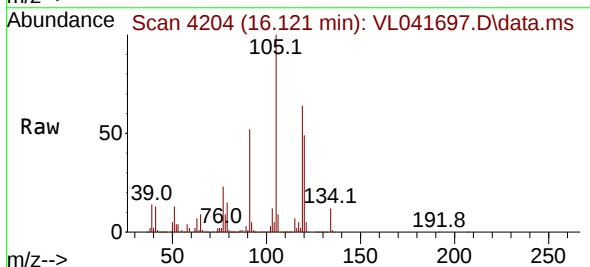
Ion Ratio Lower Upper

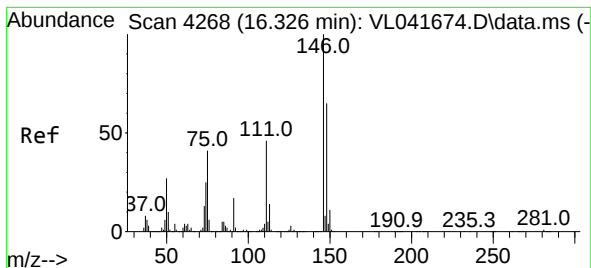
105 100

120 49.4 39.8 59.8

91 51.8 43.2 64.8

77 22.5 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 10.258 ppbv

RT: 16.346 min Scan# 41

Delta R.T. 0.019 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

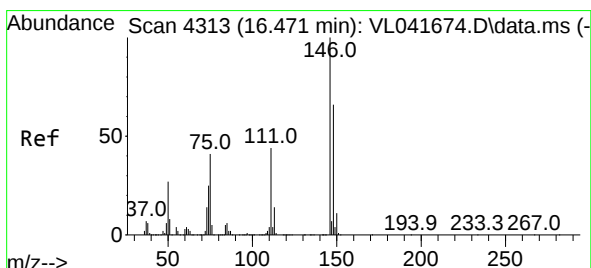
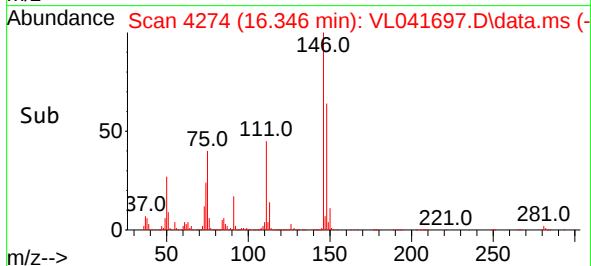
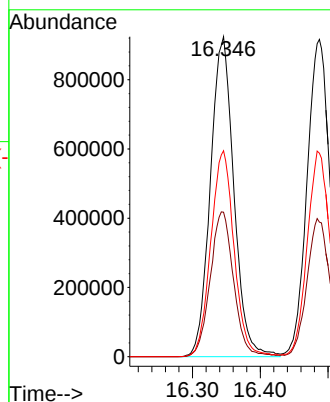
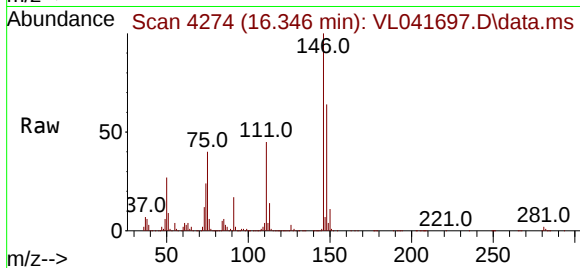
Tgt Ion:146 Resp: 2220877

Ion Ratio Lower Upper

146 100

111 45.1 22.8 68.3

148 64.0 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 10.453 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

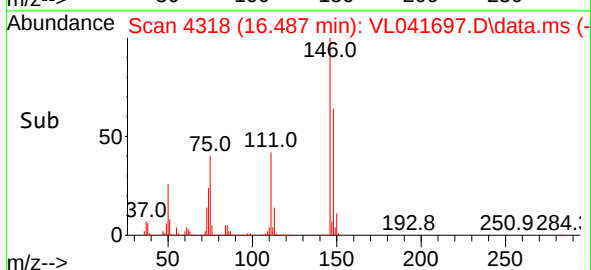
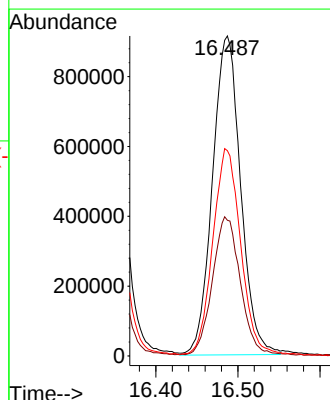
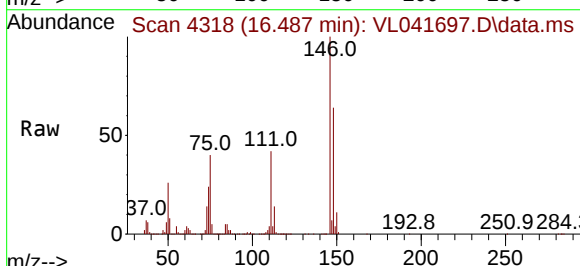
Tgt Ion:146 Resp: 2183586

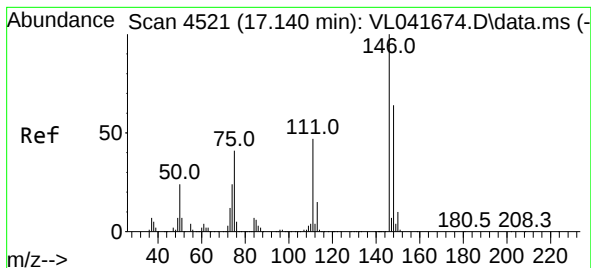
Ion Ratio Lower Upper

146 100

111 43.7 22.1 66.3

148 64.5 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 10.020 ppbv

RT: 17.156 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

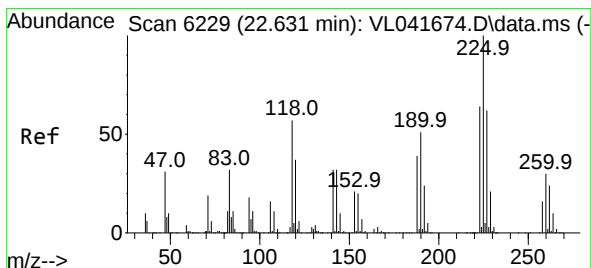
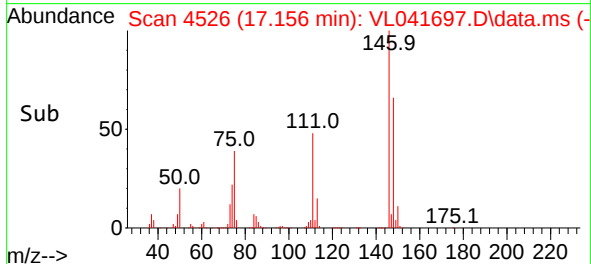
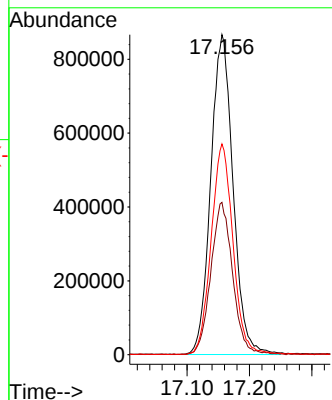
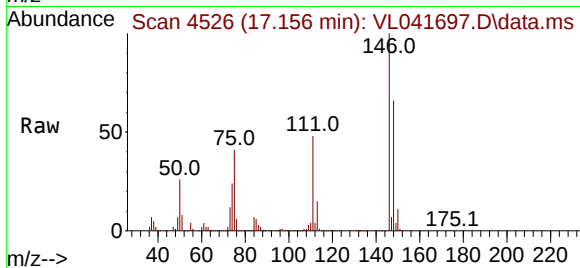
Tgt Ion:146 Resp: 2149012

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.3

148 64.8 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 8.400 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

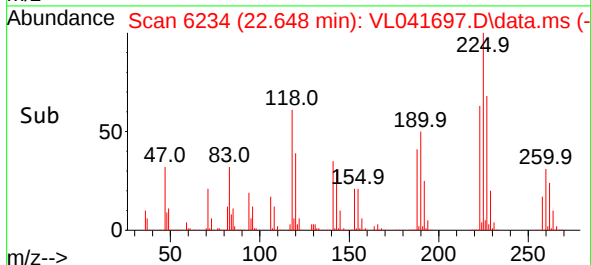
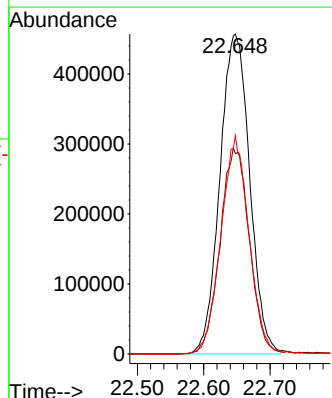
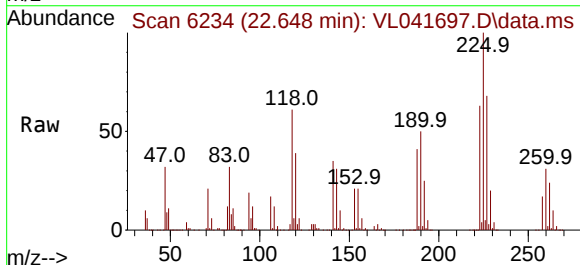
Tgt Ion:225 Resp: 1424868

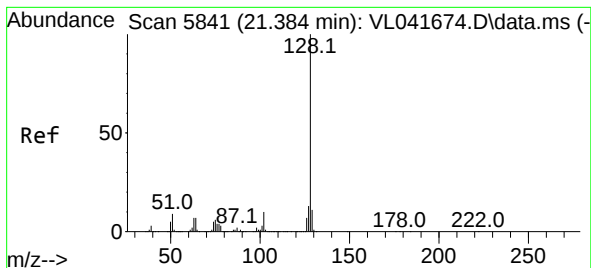
Ion Ratio Lower Upper

225 100

223 63.6 51.1 76.7

227 64.4 51.3 76.9





#79

Naphthalene

Concen: 13.008 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.016 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

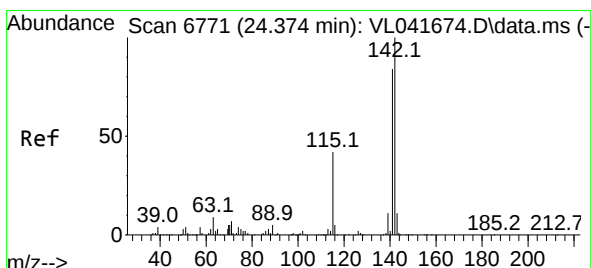
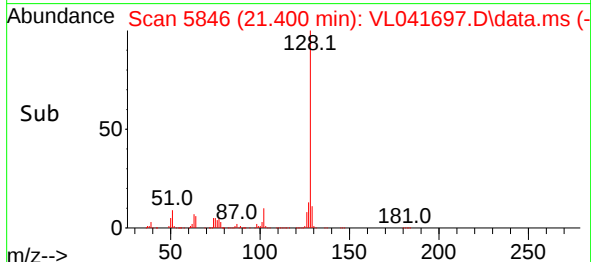
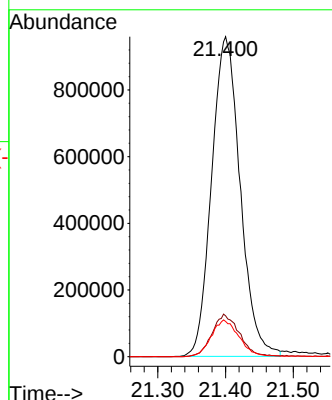
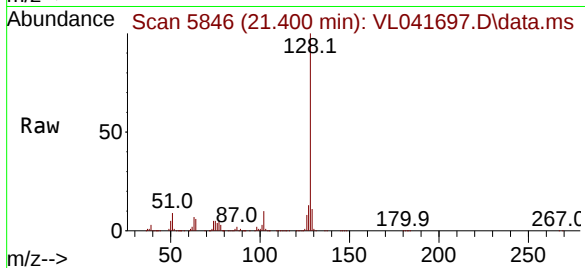
Tgt Ion:128 Resp: 2807004

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 11.0 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 11.811 ppbv

RT: 24.387 min Scan# 6775

Delta R.T. 0.013 min

Lab File: VL041697.D

Acq: 20 Nov 2024 8:09

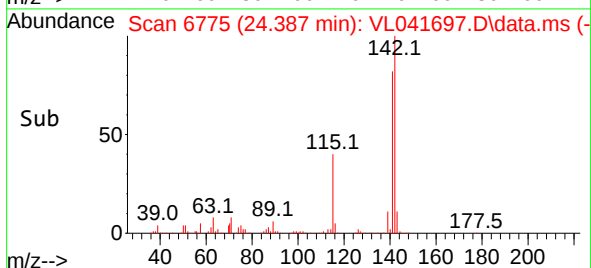
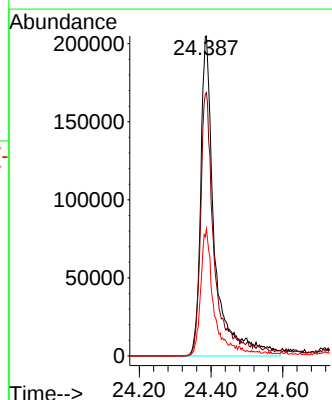
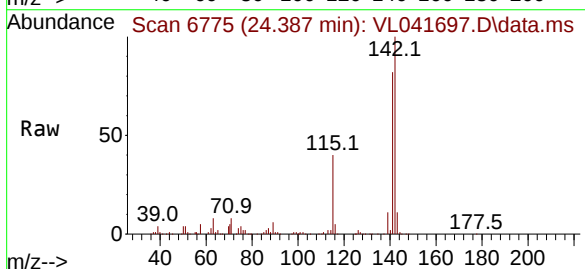
Tgt Ion:142 Resp: 555593

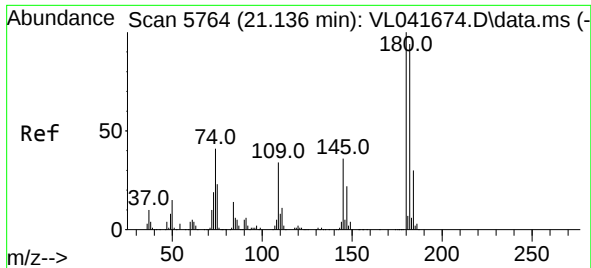
Ion Ratio Lower Upper

142 100

141 83.0 68.1 102.1

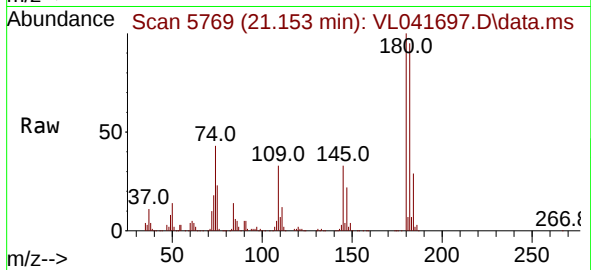
115 39.5 33.1 49.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.624 ppbv
 RT: 21.153 min Scan# 51
 Delta R.T. 0.016 min
 Lab File: VL041697.D
 Acq: 20 Nov 2024 8:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 1441690

Ion	Ratio	Lower	Upper
180	100		
182	96.9	78.2	117.2
184	30.7	25.0	37.4

