

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022725\
 Data File : VL042073.D
 Acq On : 27 Feb 2025 14:51
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Feb 28 00:27:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.810	49	161535	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.991	114	377599	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.911	117	334402	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.403	95	266926	10.375	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	183243	10.909	ppbv	98
3) Chlorodifluoromethane	1.483	51	235459	10.029	ppbv	99
4) Chloromethane	1.541	50	62102	9.997	ppbv	97
5) Vinyl Chloride	1.589	62	59587	10.141	ppbv	96
6) Bromomethane	1.677	94	29656	10.600	ppbv	100
7) Chloroethane	1.716	64	23556	9.867	ppbv	97
8) Dichlorotetrafluoroethane	1.563	85	143698	10.406	ppbv	99
9) Propene	1.492	41	95834	10.020	ppbv	99
10) Heptane	5.020	43	289245	9.713	ppbv	96
11) Trichlorofluoromethane	1.890	101	178395	10.599	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.152	101	129319	9.632	ppbv	97
13) Ethanol	1.732	45	3035	4.999	ppbv	96
14) Bromoethene	1.793	108	48569	10.244	ppbv	98
15) Acetone	1.848	43	137688	9.652	ppbv	100
16) 1,3-Butadiene	1.618	39	67929	10.232	ppbv	98
17) tert-Butyl alcohol	2.055	59	160163	8.974	ppbv	98
18) 1,1-Dichloroethene	2.049	96	56042	9.238	ppbv	99
19) Isopropyl Alcohol	1.900	45	77783	9.492	ppbv	97
20) Methylene Chloride	2.075	84	48287	8.949	ppbv	97
21) Allyl Chloride	2.110	41	97699	9.479	ppbv	99
22) trans-1,2-Dichloroethene	2.356	96	70300	9.941	ppbv	99
23) Vinyl Acetate	2.483	43	76793	7.656	ppbv #	97
24) 1,1-Dichloroethane	2.424	63	134301	10.206	ppbv	99
25) Ethyl Acetate	2.858	43	574129	10.055	ppbv	99
26) Hexane	2.848	57	215073	9.317	ppbv	92
27) Carbon Disulfide	2.165	76	153903	9.835	ppbv	100
28) Methyl tert-Butyl Ether	2.460	73	93767	8.159	ppbv	99
29) Chloroform	2.871	83	287951	9.268	ppbv	97
30) Cyclohexane	3.887	84	171166	9.135	ppbv	94
31) cis-1,2-Dichloroethene	2.742	61	208889	9.559	ppbv	95
32) 1,1,1-Trichloroethane	3.395	97	274111	9.095	ppbv	95
34) 2-Butanone	2.576	43	336544	11.440	ppbv	94
35) Carbon Tetrachloride	3.793	117	277265	10.648	ppbv	99
36) Benzene	3.687	78	409244	10.353	ppbv	98
37) 1,2-Dichloroethane	3.243	62	237098	10.818	ppbv	98
38) Trichloroethene	4.586	130	153141	9.488	ppbv	98
39) 1,2-Dichloropropane	4.350	63	156567	10.435	ppbv	98
40) 1,4-Dioxane	4.622	88	65965	9.631	ppbv #	93
41) Tetrahydrofuran	3.081	42	189930	10.927	ppbv	96
42) Bromodichloromethane	4.531	83	304658	10.317	ppbv	97
43) Methyl Methacrylate	4.920	69	161634	10.470	ppbv	93
44) 2,2,4-Trimethylpentane	4.680	57	731956	10.492	ppbv	98
45) t-1,3-Dichloropropene	6.464	75	150622	9.821	ppbv	94

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Quant Time: Feb 28 00:27:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

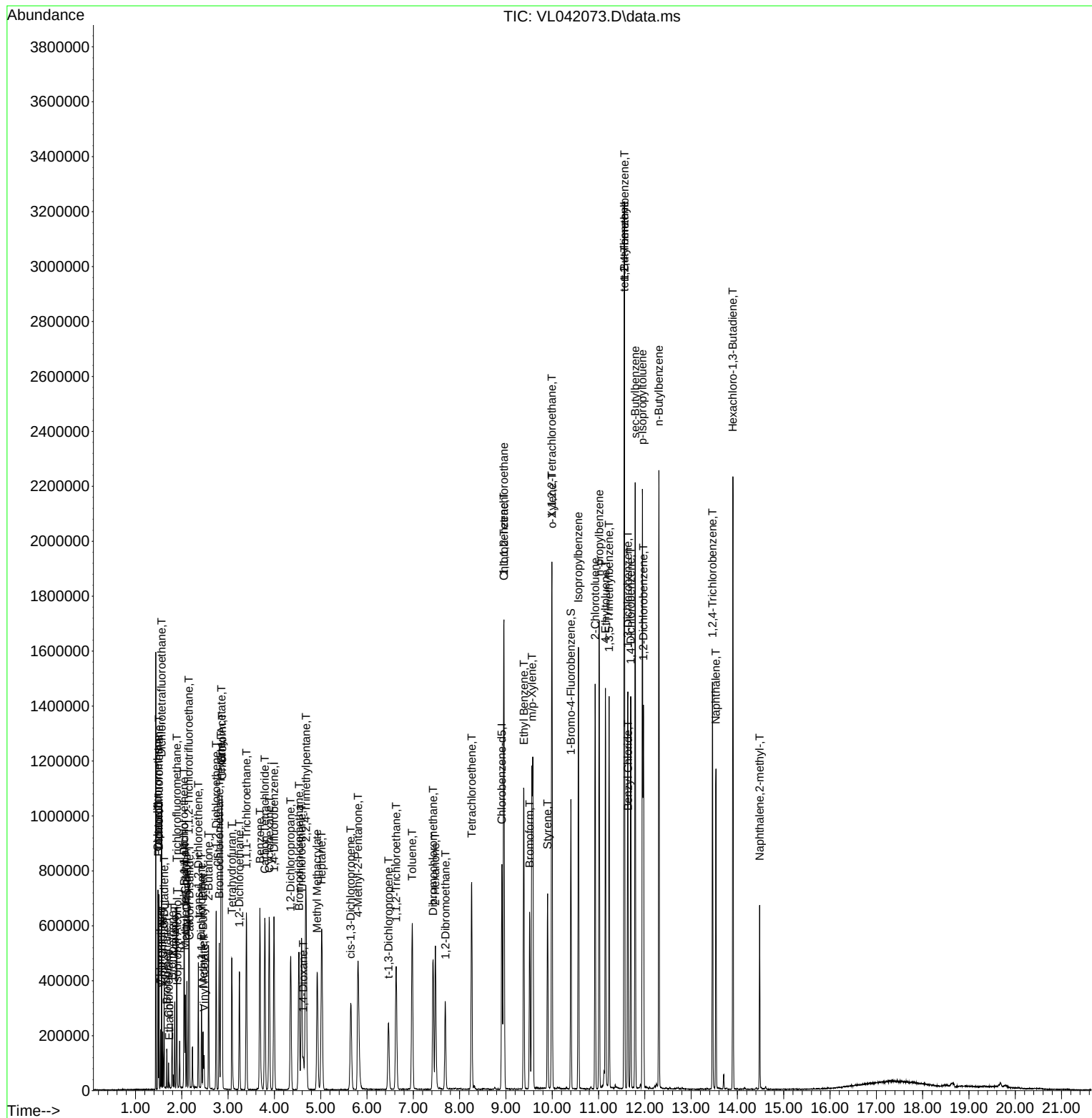
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.648	75	203869	10.272	ppbv	95
47) 1,1,2-Trichloroethane	6.629	97	154223	10.125	ppbv	95
48) Dibromochloromethane	7.428	129	242837	10.179	ppbv	99
49) Bromoform	9.513	173	212334	10.249	ppbv	99
50) 4-Methyl-2-Pentanone	5.803	43	461454	12.129	ppbv	97
51) 2-Hexanone	7.474	43	369555	14.113	ppbv #	99
52) Tetrachloroethene	8.260	164	134613	9.948	ppbv	92
53) Toluene	6.975	91	439890	9.957	ppbv	100
54) 1,2-Dibromoethane	7.694	107	206708	10.038	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.956	131	189730	10.038	ppbv	98
57) Chlorobenzene	8.953	112	346331	9.989	ppbv	100
58) Ethyl Benzene	9.386	91	622721	10.112	ppbv	99
59) m/p-Xylene	9.561	91	599905	12.241	ppbv #	100
60) o-Xylene	9.995	91	505664	10.263	ppbv	99
61) Styrene	9.901	104	249734	10.781	ppbv	98
62) Isopropylbenzene	10.565	105	752546	10.199	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.992	83	329172	10.145	ppbv	99
64) n-propylbenzene	11.014	120	198007	10.231	ppbv	96
65) tert-Butylbenzene	11.555	119	672664	10.017	ppbv	100
66) Benzyl Chloride	11.639	91	43894	8.566	ppbv	97
67) sec-Butylbenzene	11.791	105	967909	10.078	ppbv	99
69) p-Isopropyltoluene	11.947	119	793785	10.389	ppbv	100
70) n-Butylbenzene	12.303	91	830637	10.650	ppbv	99
71) 2-Chlorotoluene	10.927	91	574014	10.091	ppbv	100
72) 4-Ethyltoluene	11.150	105	620874	10.321	ppbv	99
73) 1,3,5-Trimethylbenzene	11.228	105	523892	10.040	ppbv	99
74) 1,2,4-Trimethylbenzene	11.561	105	578142	9.839	ppbv	95
75) 1,3-Dichlorobenzene	11.633	146	339518	10.040	ppbv	100
76) 1,4-Dichlorobenzene	11.697	146	340610	10.145	ppbv	99
77) 1,2-Dichlorobenzene	11.969	146	332526	10.133	ppbv	99
78) Hexachloro-1,3-Butadiene	13.902	225	232369	9.100	ppbv	98
79) Naphthalene	13.536	128	529861	13.151	ppbv	100
80) Naphthalene,2-methyl-	14.481	142	185542	16.828	ppbv	98
81) 1,2,4-Trichlorobenzene	13.461	180	240157	10.696	ppbv	98

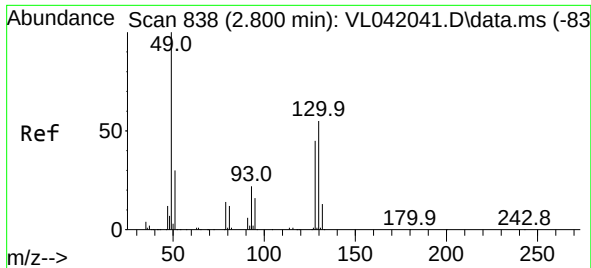
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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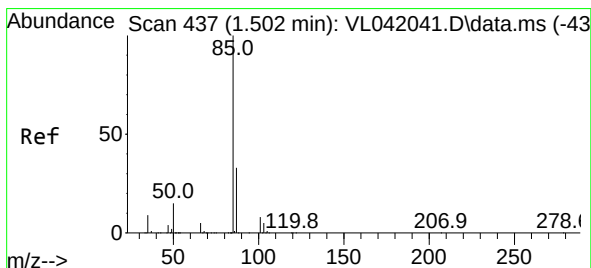
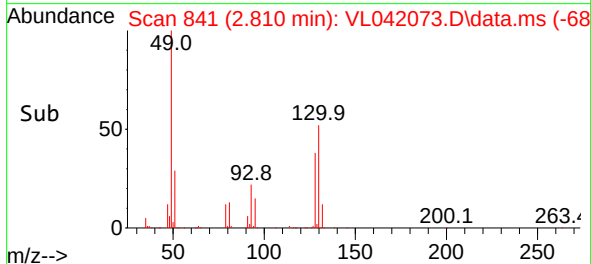
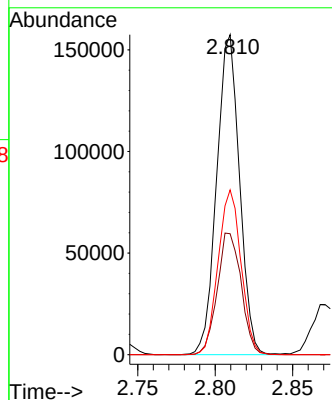
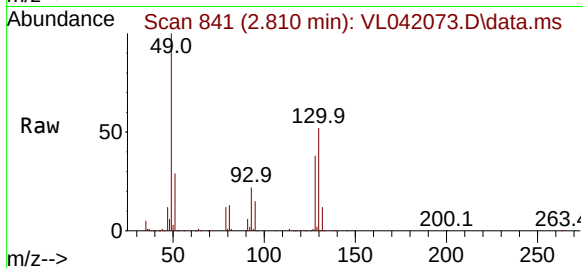




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.810 min Scan# 841
 Delta R.T. 0.010 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

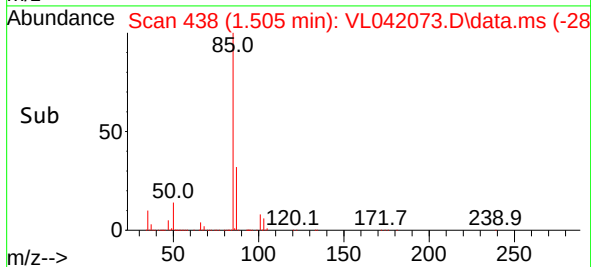
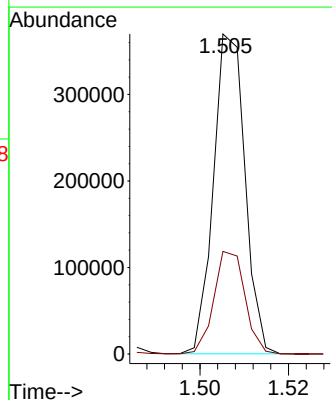
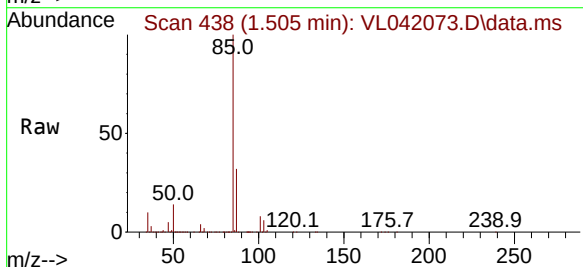
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 ClientSampleId :
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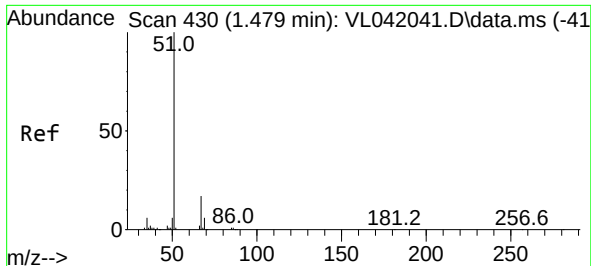
Tgt Ion: 49 Resp: 161535
 Ion Ratio Lower Upper
 49 100
 128 39.8 21.6 64.8
 130 51.6 27.8 83.4



#2
 Dichlorodifluoromethane
 Concen: 10.909 ppbv
 RT: 1.505 min Scan# 438
 Delta R.T. 0.003 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

Tgt Ion: 85 Resp: 183243
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.4 39.6

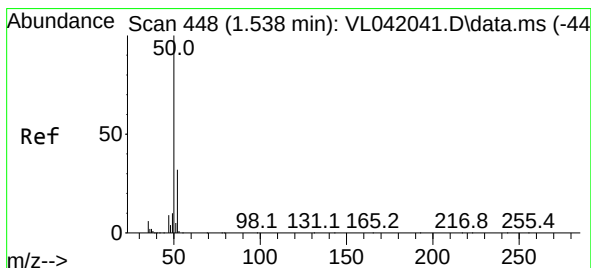
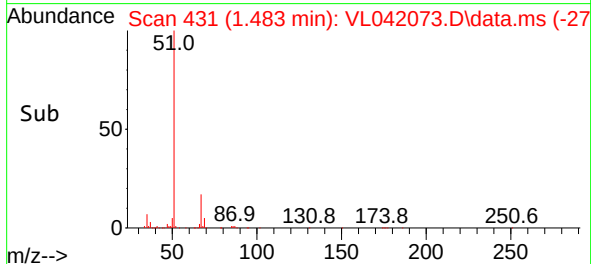
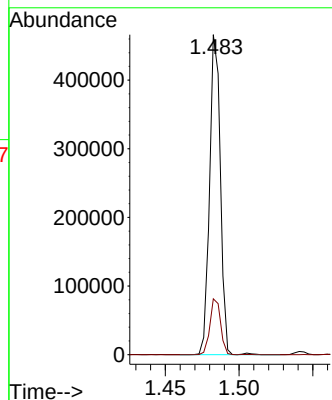
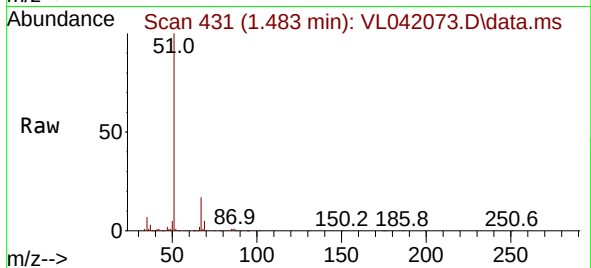




#3
Chlorodifluoromethane
Concen: 10.029 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

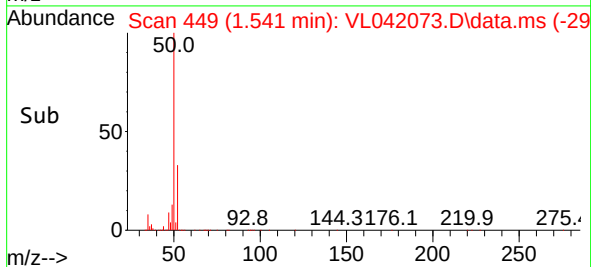
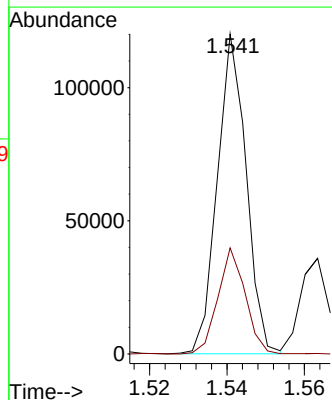
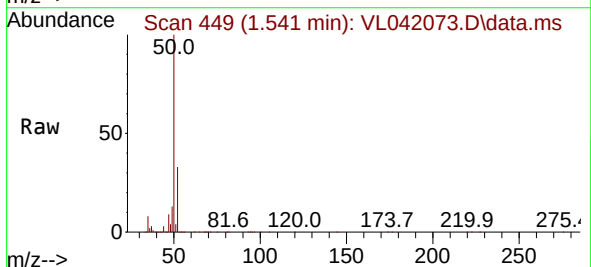
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

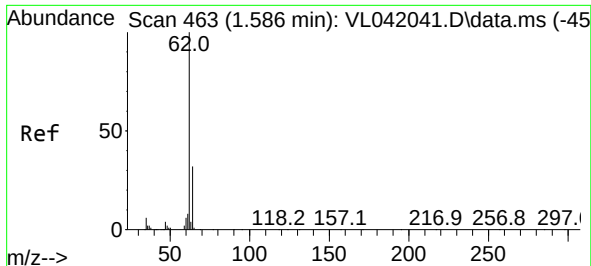
Tgt Ion: 51 Resp: 235459
Ion Ratio Lower Upper
51 100
67 17.4 13.7 20.5



#4
Chloromethane
Concen: 9.997 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.003 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 50 Resp: 62102
Ion Ratio Lower Upper
50 100
52 33.2 25.4 38.0

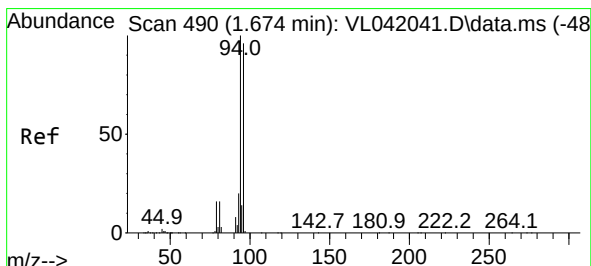
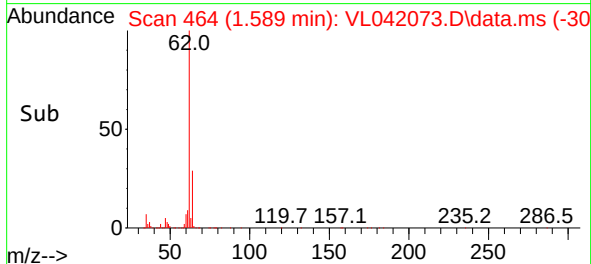
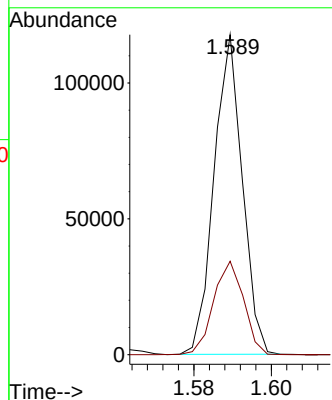
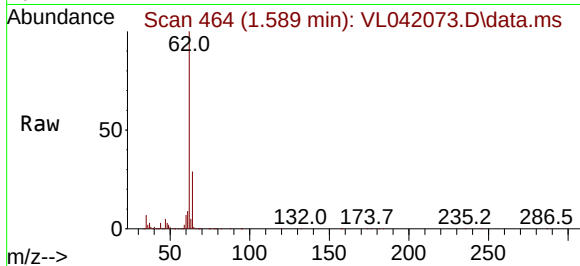




#5
 Vinyl Chloride
 Concen: 10.141 ppbv
 RT: 1.589 min Scan# 464
 Delta R.T. 0.003 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

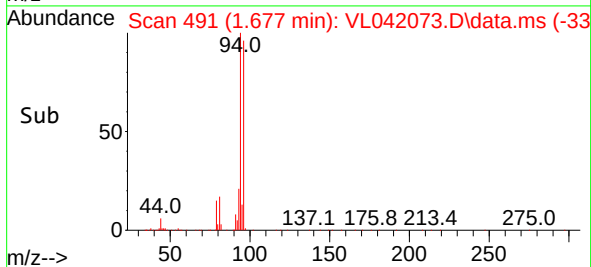
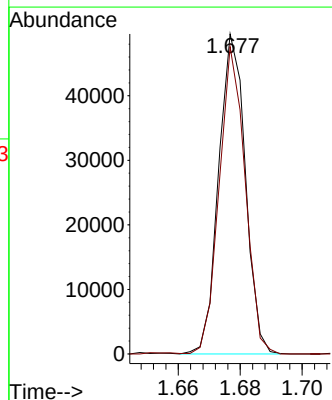
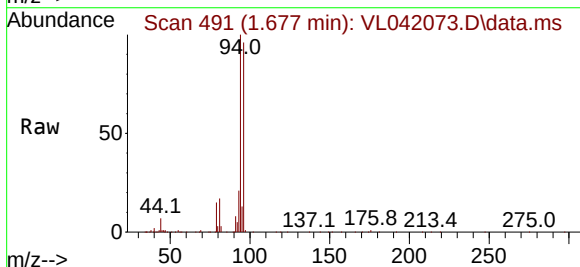
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010EC

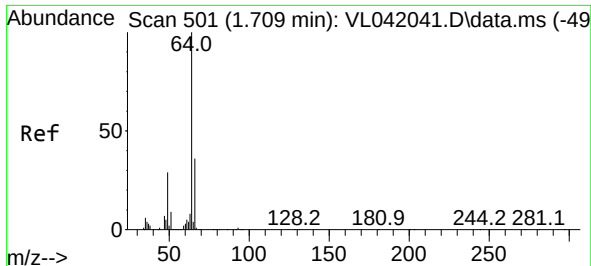
Tgt Ion: 62 Resp: 59587
 Ion Ratio Lower Upper
 62 100
 64 29.2 25.3 37.9



#6
 Bromomethane
 Concen: 10.600 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.003 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

Tgt Ion: 94 Resp: 29656
 Ion Ratio Lower Upper
 94 100
 96 96.0 76.5 114.7

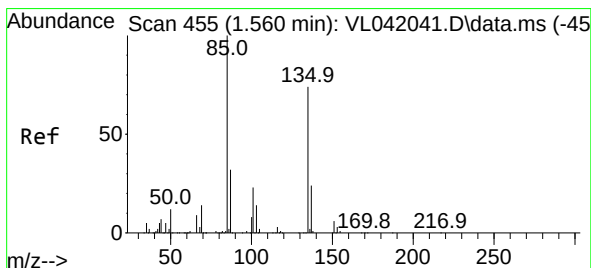
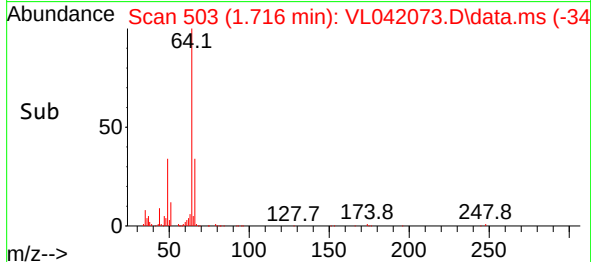
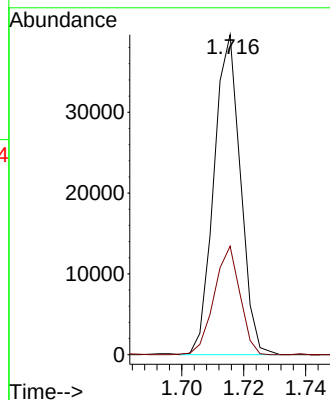
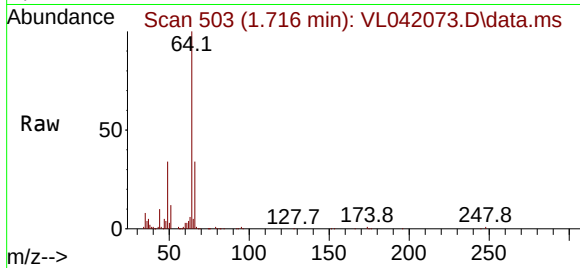




#7
Chloroethane
Concen: 9.867 ppbv
RT: 1.716 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

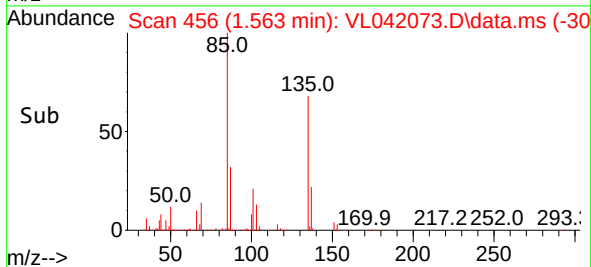
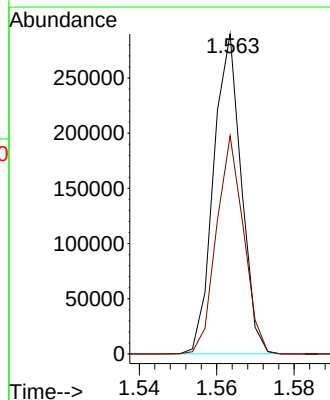
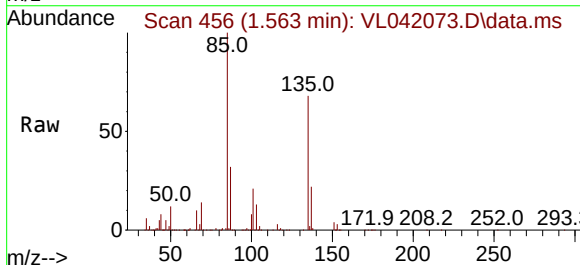
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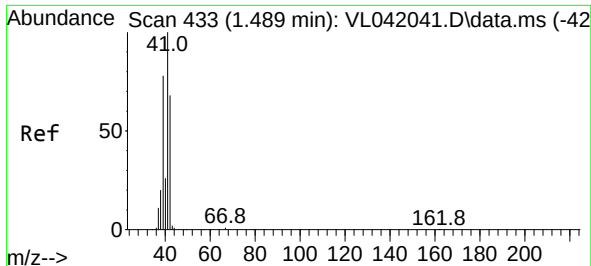
Tgt Ion: 64 Resp: 23556
Ion Ratio Lower Upper
64 100
66 33.9 28.4 42.6



#8
Dichlorotetrafluoroethane
Concen: 10.406 ppbv
RT: 1.563 min Scan# 456
Delta R.T. 0.003 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 85 Resp: 143698
Ion Ratio Lower Upper
85 100
135 67.1 54.6 81.8





#9

Propene

Concen: 10.020 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

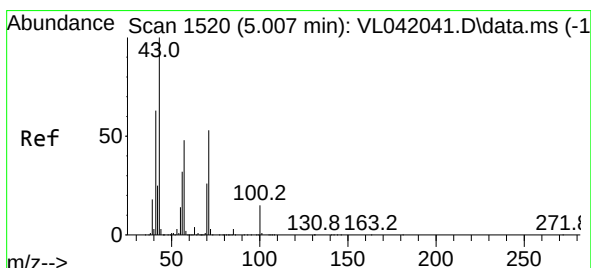
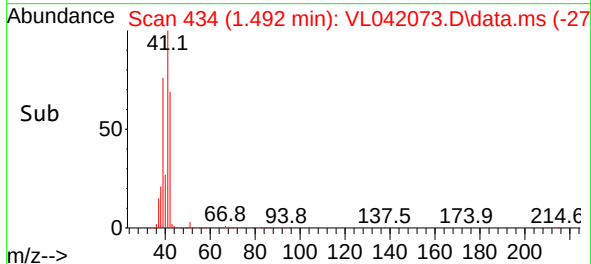
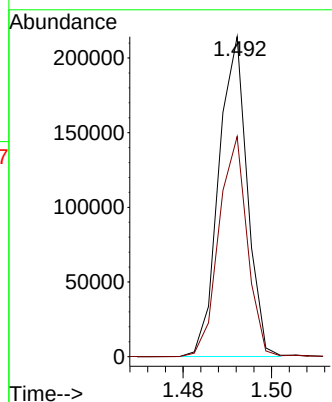
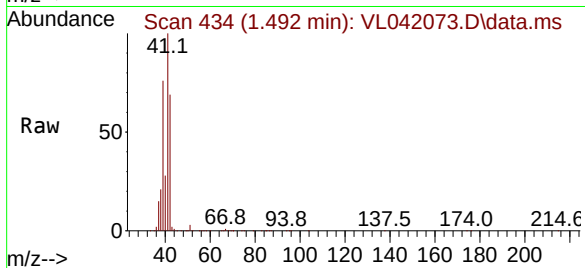
VSTDCCC010EC

Tgt Ion: 41 Resp: 95834

Ion Ratio Lower Upper

41 100

42 69.0 55.8 83.6



#10

Heptane

Concen: 9.713 ppbv

RT: 5.020 min Scan# 1524

Delta R.T. 0.013 min

Lab File: VL042073.D

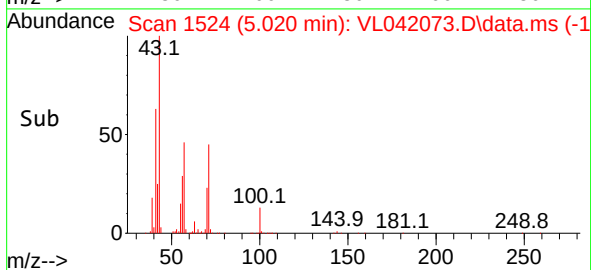
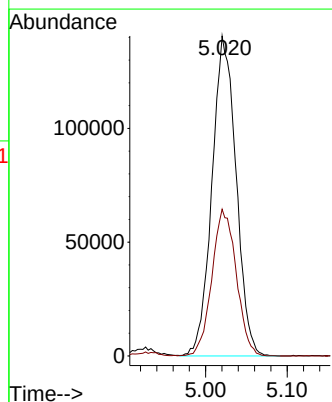
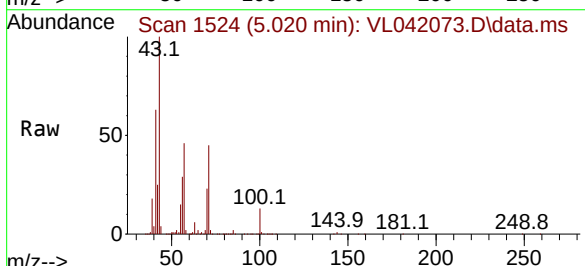
Acq: 27 Feb 2025 14:51

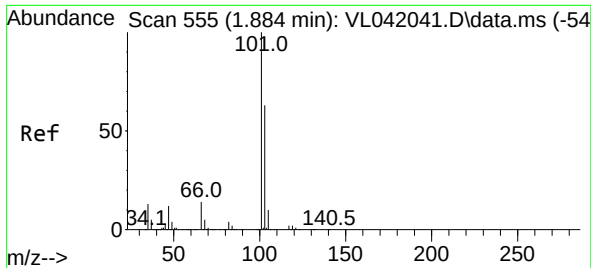
Tgt Ion: 43 Resp: 289245

Ion Ratio Lower Upper

43 100

57 46.4 39.4 59.0

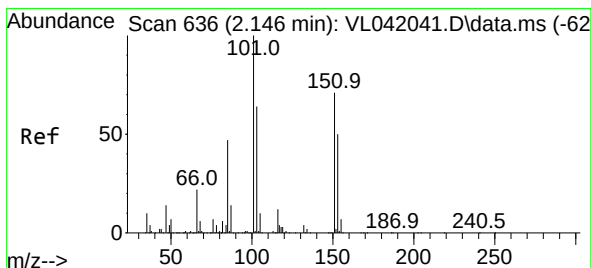
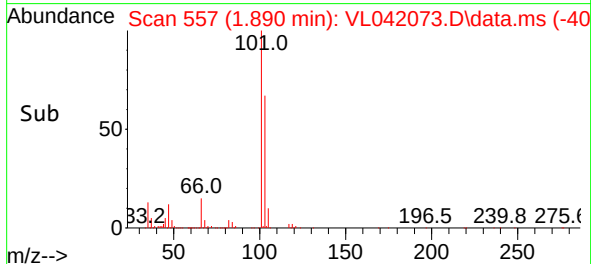
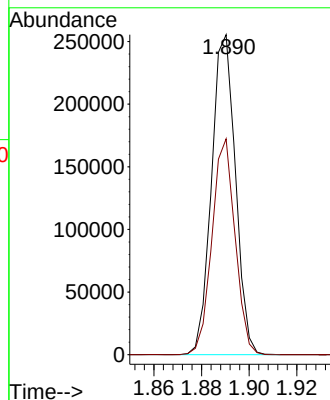
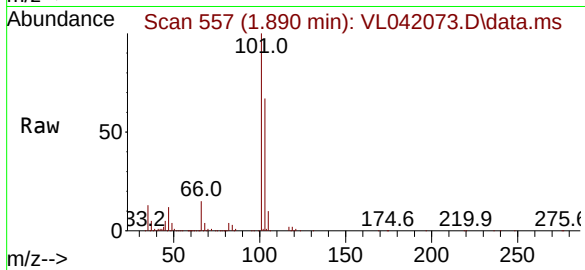




#11
 Trichlorofluoromethane
 Concen: 10.599 ppbv
 RT: 1.890 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

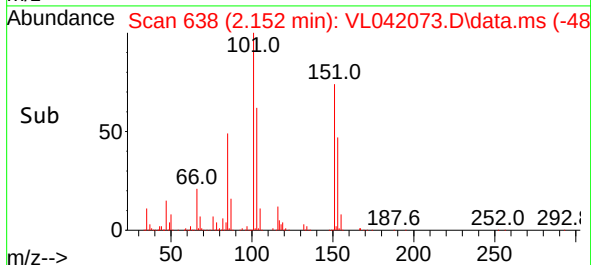
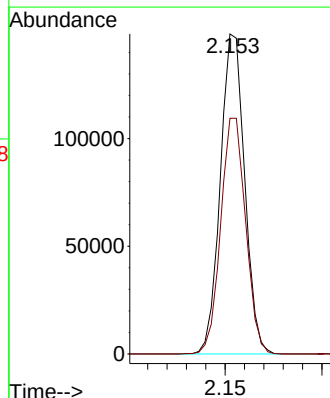
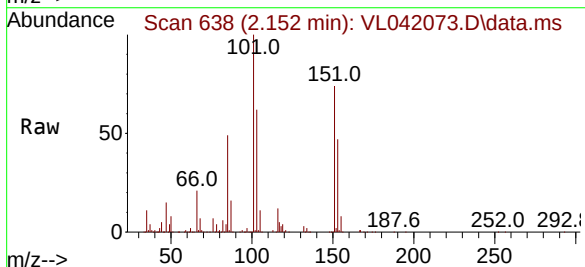
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

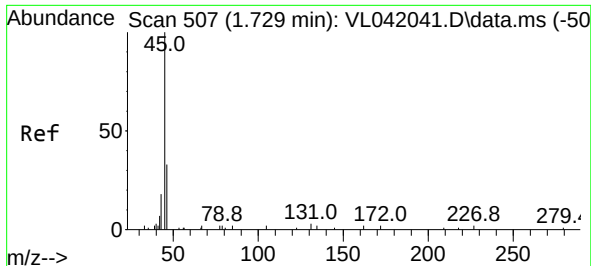
Tgt Ion:101 Resp: 178395
 Ion Ratio Lower Upper
 101 100
 103 67.4 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.632 ppbv
 RT: 2.152 min Scan# 638
 Delta R.T. 0.006 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

Tgt Ion:101 Resp: 129319
 Ion Ratio Lower Upper
 101 100
 151 75.6 62.6 94.0

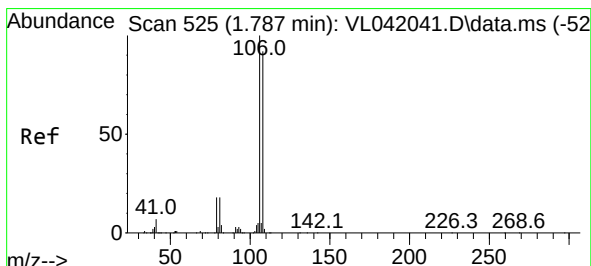
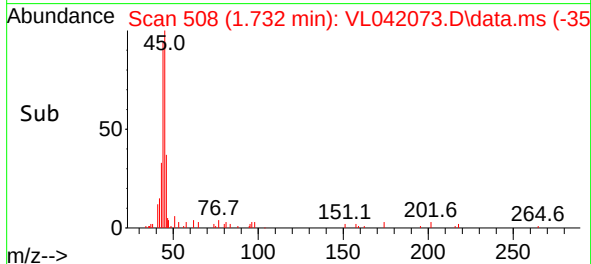
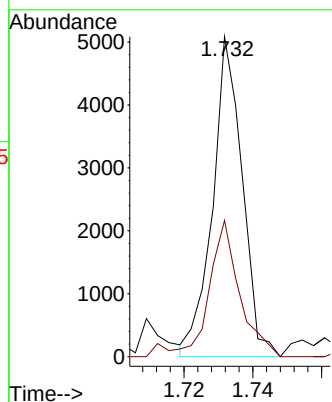
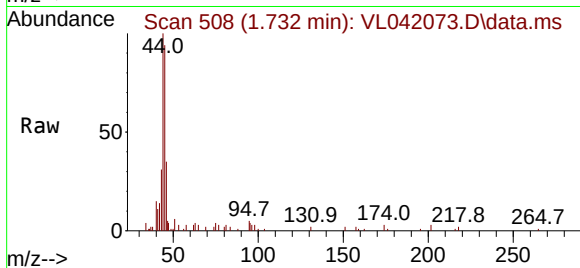




#13
Ethanol
Concen: 4.999 ppbv
RT: 1.732 min Scan# 507
Delta R.T. 0.003 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

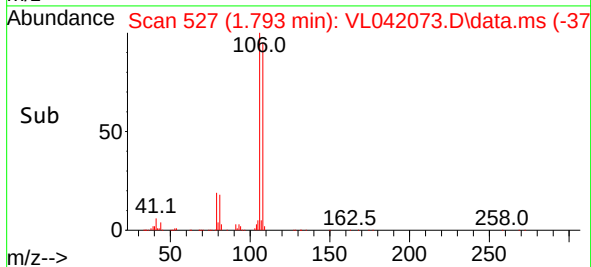
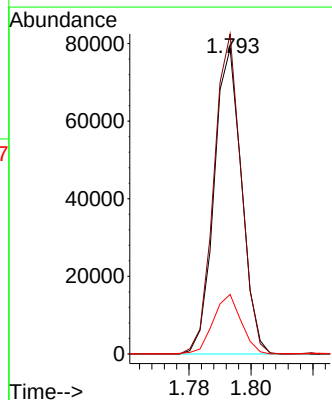
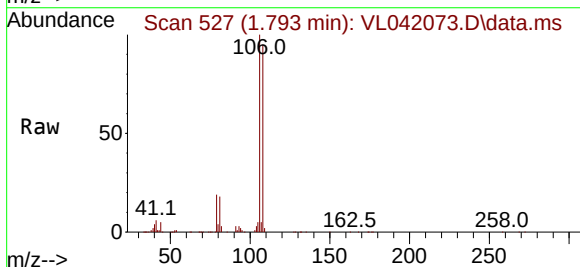
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

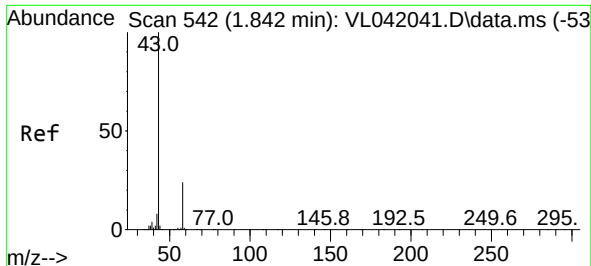
Tgt Ion: 45 Resp: 3035
Ion Ratio Lower Upper
45 100
46 45.1 17.1 68.3



#14
Bromoethene
Concen: 10.244 ppbv
RT: 1.793 min Scan# 527
Delta R.T. 0.006 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion:108 Resp: 48569
Ion Ratio Lower Upper
108 100
106 103.9 85.4 128.0
79 20.2 16.5 24.7

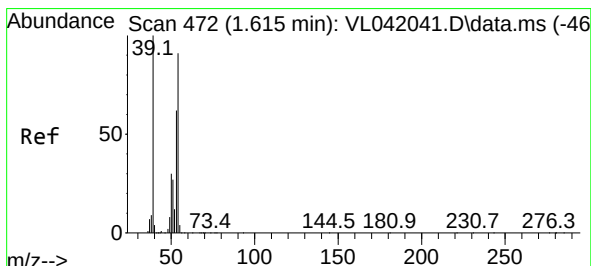
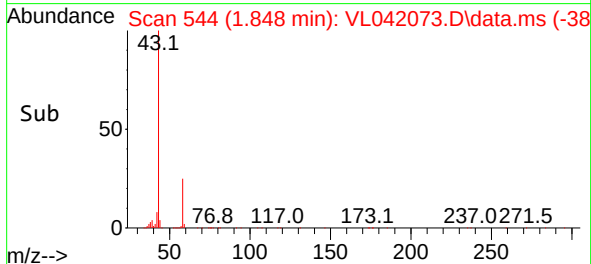
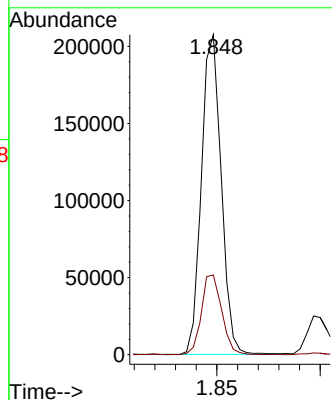
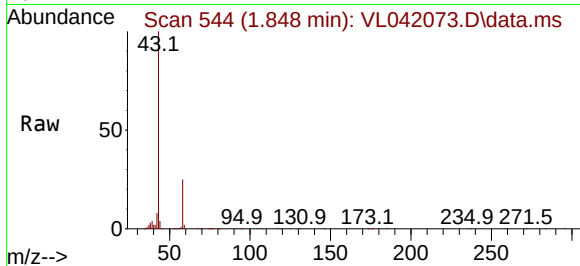




#15
Acetone
Concen: 9.652 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

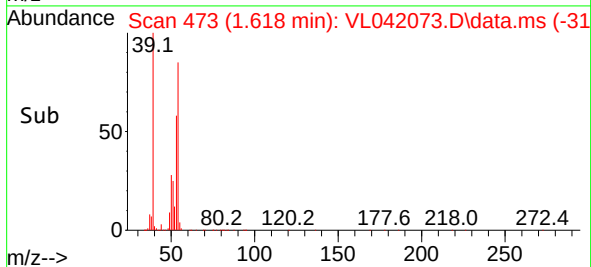
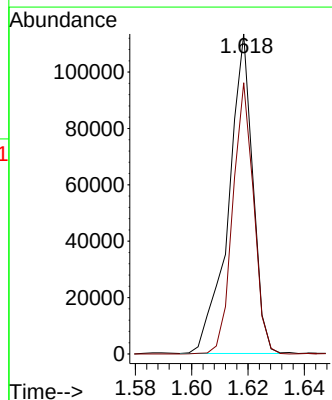
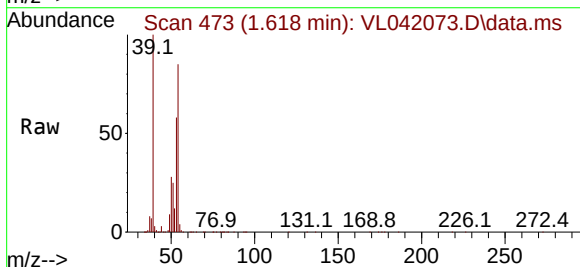
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

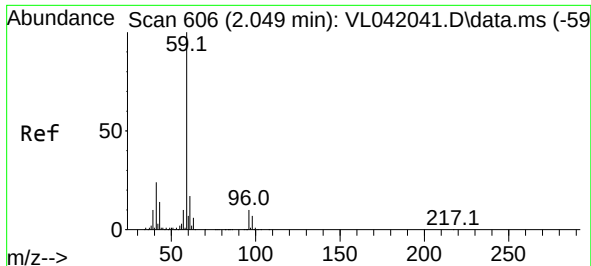
Tgt Ion: 43 Resp: 137688
Ion Ratio Lower Upper
43 100
58 25.8 20.7 31.1



#16
1,3-Butadiene
Concen: 10.232 ppbv
RT: 1.618 min Scan# 473
Delta R.T. 0.003 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 39 Resp: 67929
Ion Ratio Lower Upper
39 100
54 72.7 59.6 89.4





#17

tert-Butyl alcohol

Concen: 8.974 ppbv

RT: 2.055 min Scan# 608

Delta R.T. 0.006 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

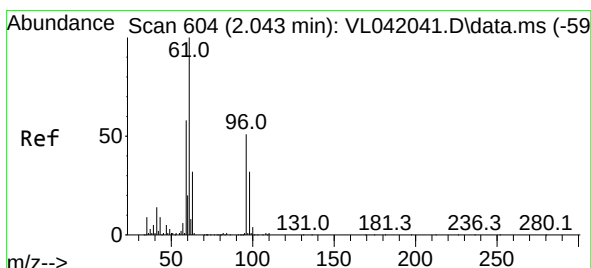
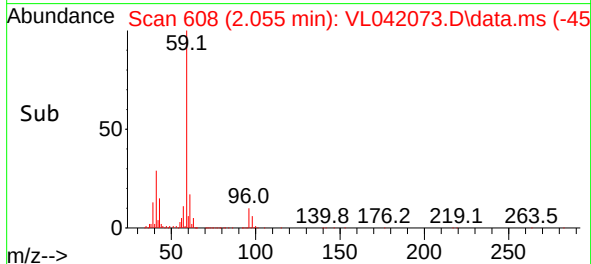
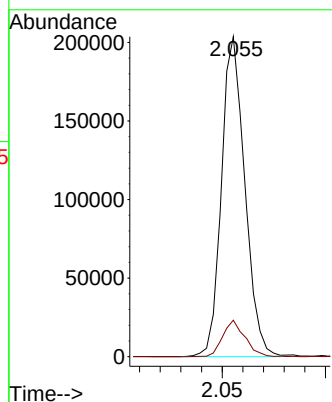
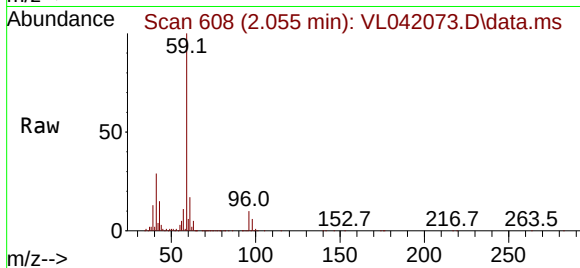
VSTDCCC010EC

Tgt Ion: 59 Resp: 160163

Ion Ratio Lower Upper

59 100

57 11.0 9.3 13.9



#18

1,1-Dichloroethene

Concen: 9.238 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.006 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

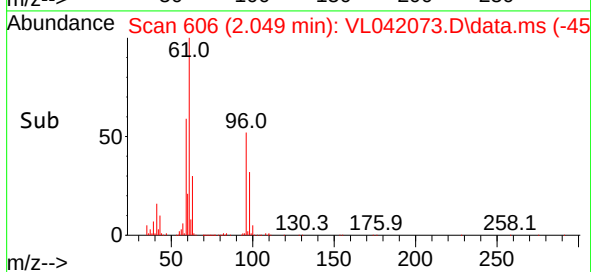
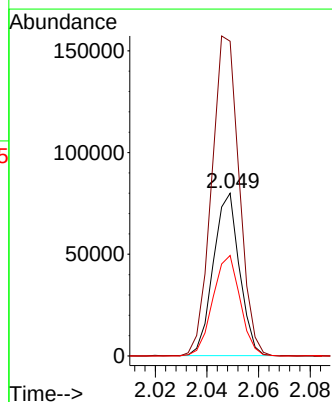
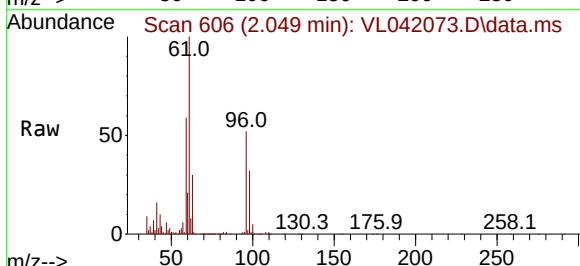
Tgt Ion: 96 Resp: 56042

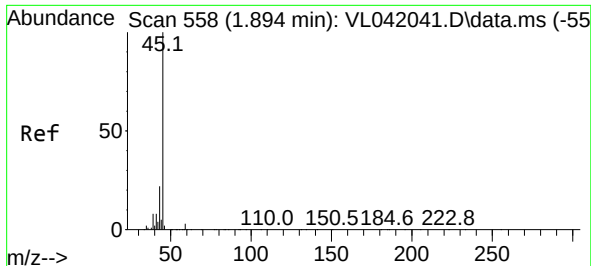
Ion Ratio Lower Upper

96 100

61 193.9 156.0 234.0

98 61.9 49.4 74.2

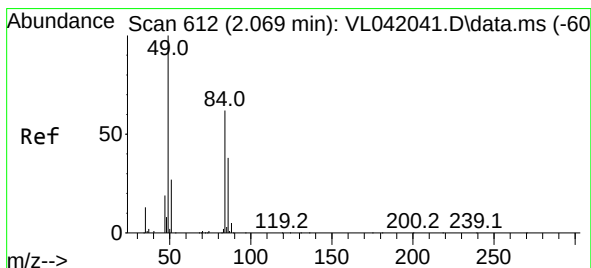
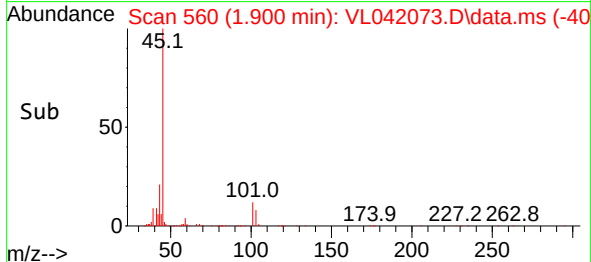
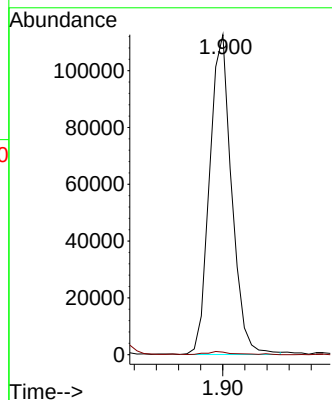
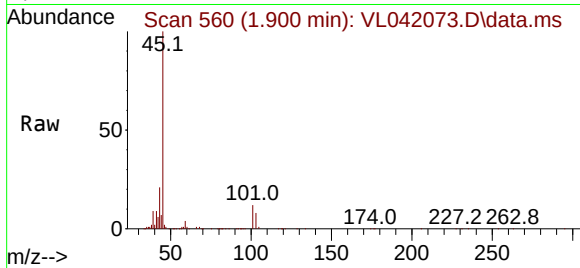




#19
Isopropyl Alcohol
Concen: 9.492 ppbv
RT: 1.900 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

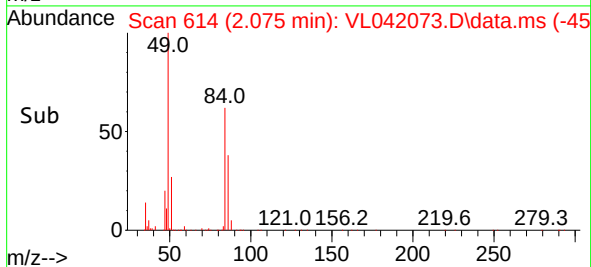
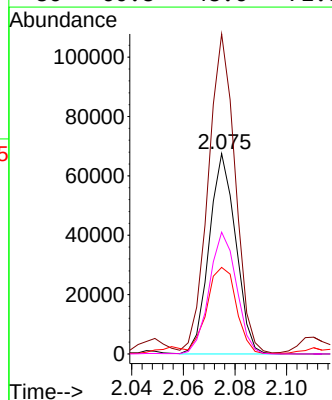
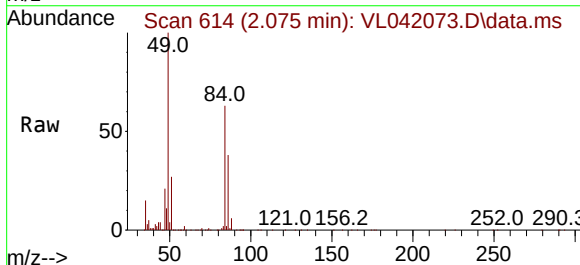
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

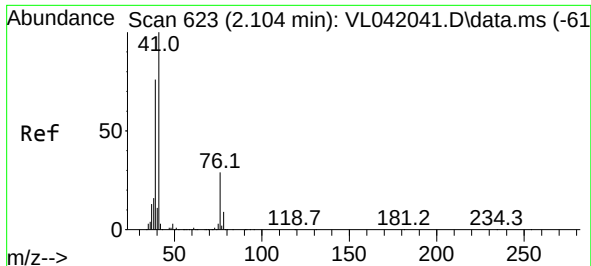
Tgt Ion: 45 Resp: 77783
Ion Ratio Lower Upper
45 100
58 45.8 35.3 52.9



#20
Methylene Chloride
Concen: 8.949 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.006 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 84 Resp: 48287
Ion Ratio Lower Upper
84 100
49 159.0 130.0 195.0
51 42.8 37.4 56.0
86 60.8 48.6 72.8





#21

Allyl Chloride

Concen: 9.479 ppbv

RT: 2.110 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

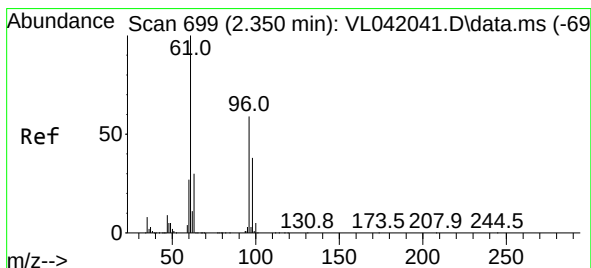
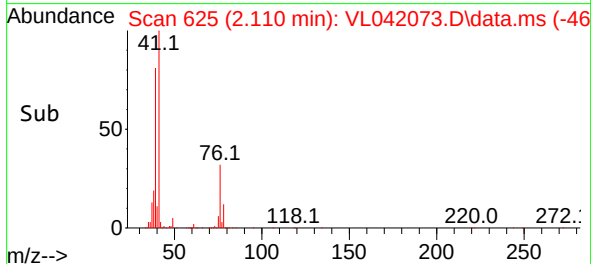
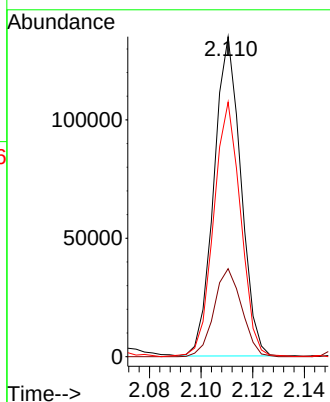
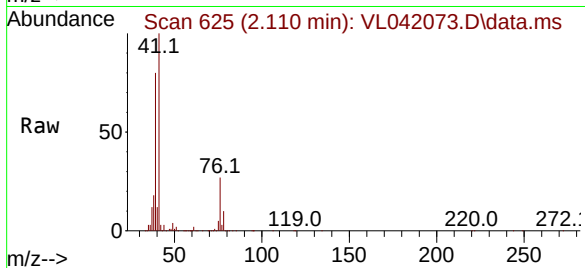
Tgt Ion: 41 Resp: 97699

Ion Ratio Lower Upper

41 100

76 28.4 23.8 35.6

39 80.2 63.8 95.6



#22

trans-1,2-Dichloroethene

Concen: 9.941 ppbv

RT: 2.356 min Scan# 701

Delta R.T. 0.006 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

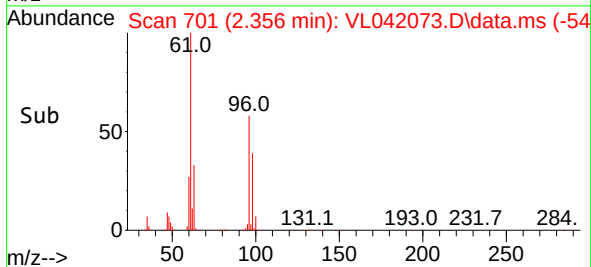
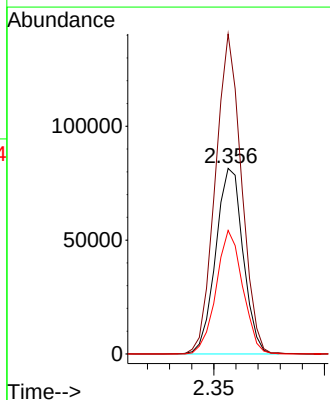
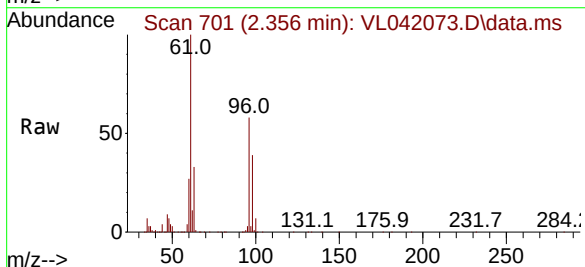
Tgt Ion: 96 Resp: 70300

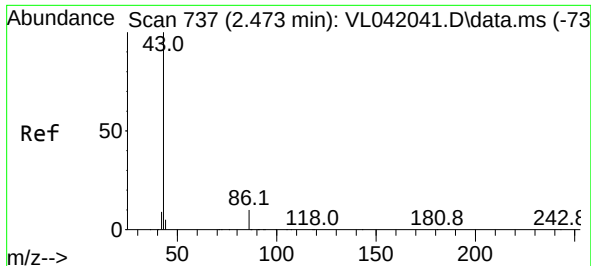
Ion Ratio Lower Upper

96 100

61 172.2 136.6 205.0

98 66.5 51.8 77.6

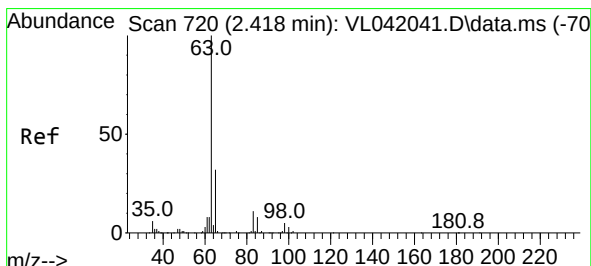
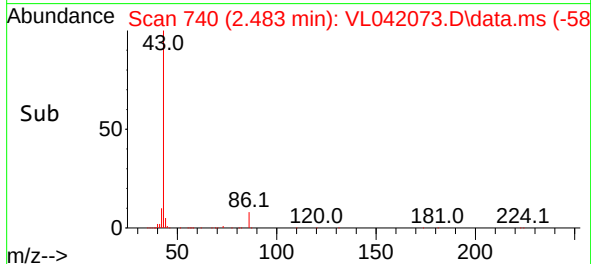
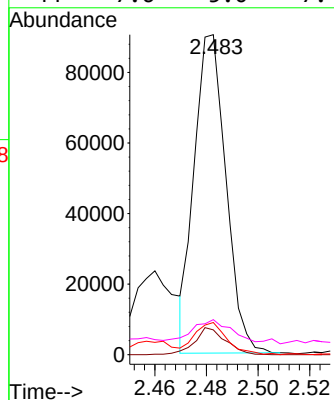
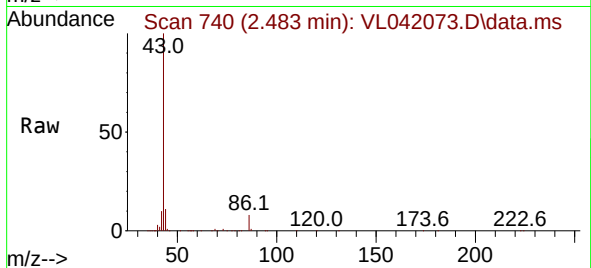




#23
 Vinyl Acetate
 Concen: 7.656 ppbv
 RT: 2.483 min Scan# 740
 Delta R.T. 0.010 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

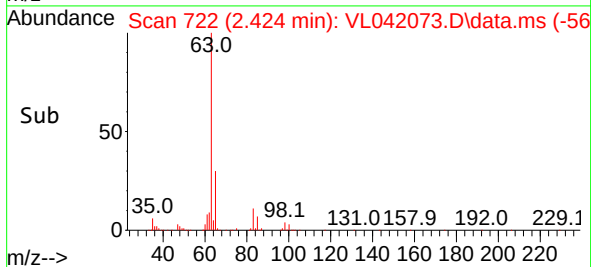
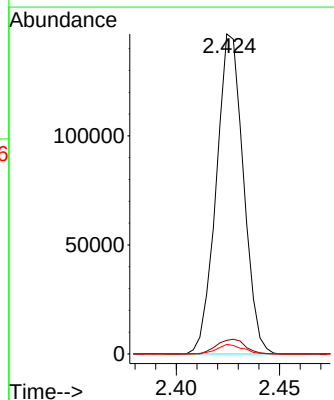
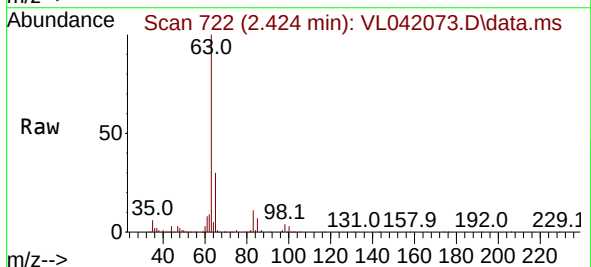
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010EC

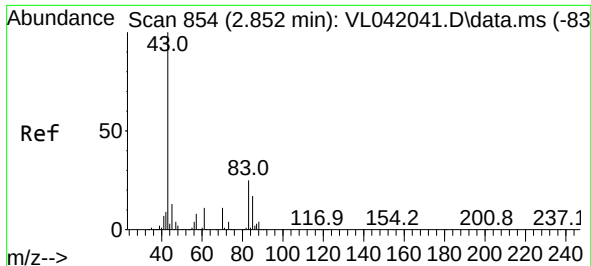
Tgt Ion:	43	Resp:	76793
Ion	Ratio	Lower	Upper
43	100		
86	7.8	7.0	10.4
42	10.1	7.6	11.4
44	7.6	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 10.206 ppbv
 RT: 2.424 min Scan# 722
 Delta R.T. 0.006 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

Tgt Ion:	63	Resp:	134301
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.2
100	3.0	1.7	5.0



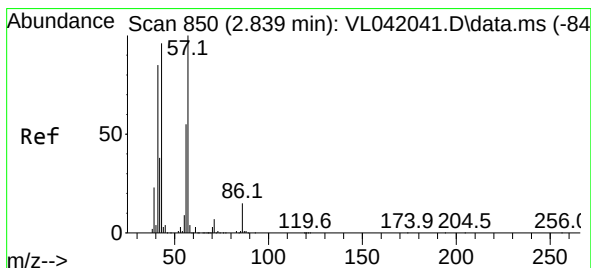
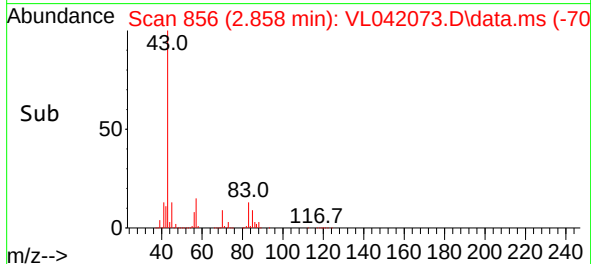
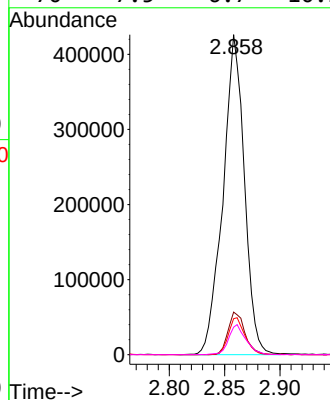
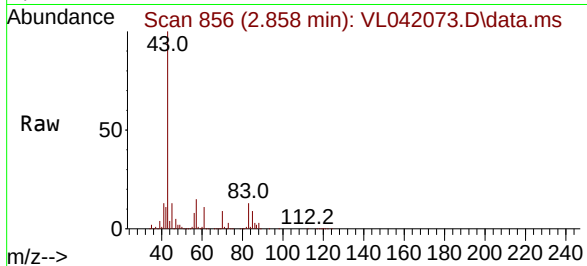


#25
Ethyl Acetate
Concen: 10.055 ppbv
RT: 2.858 min Scan# 856
Delta R.T. 0.006 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 574129

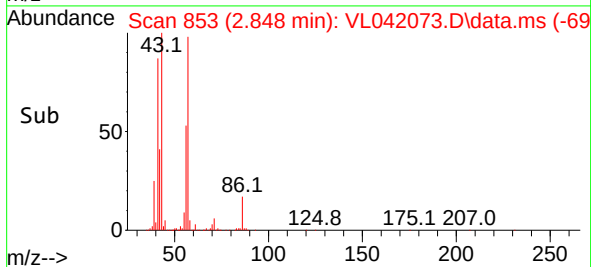
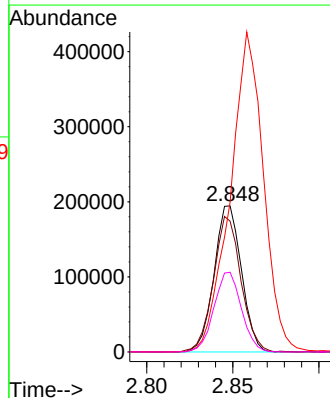
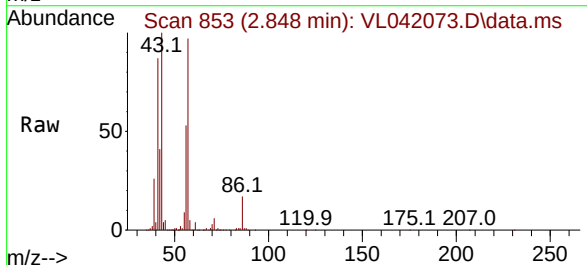
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.1	12.1
61	9.0	7.2	10.8
70	7.5	6.7	10.1

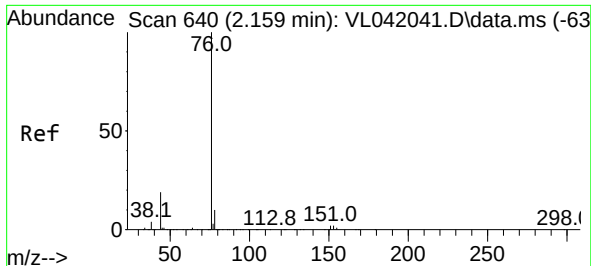


#26
Hexane
Concen: 9.317 ppbv
RT: 2.848 min Scan# 853
Delta R.T. 0.010 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 57 Resp: 215073

Ion	Ratio	Lower	Upper
57	100		
41	93.7	70.6	106.0
43	267.6	199.4	299.0
56	54.9	42.6	64.0

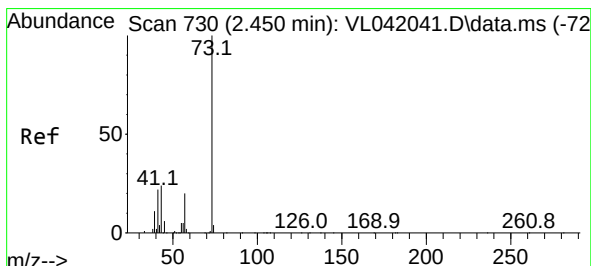
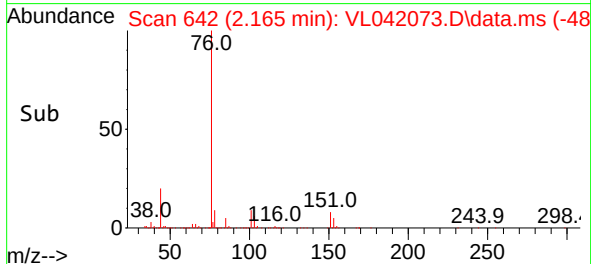
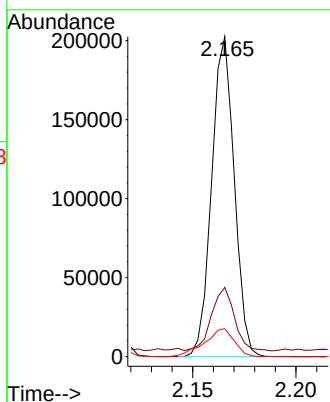
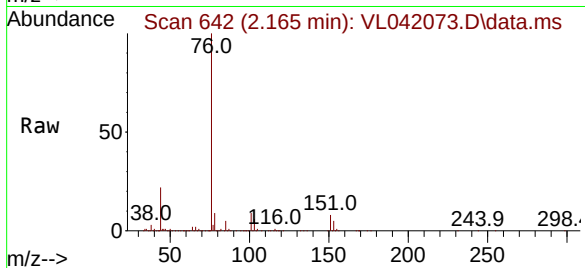




#27
Carbon Disulfide
Concen: 9.835 ppbv
RT: 2.165 min Scan# 641
Delta R.T. 0.006 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

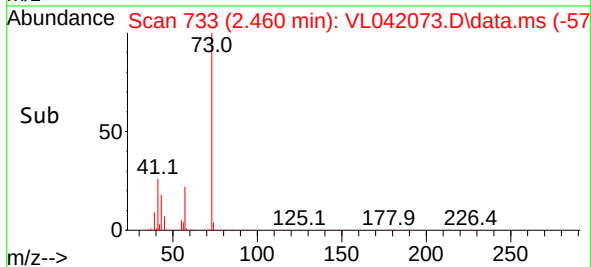
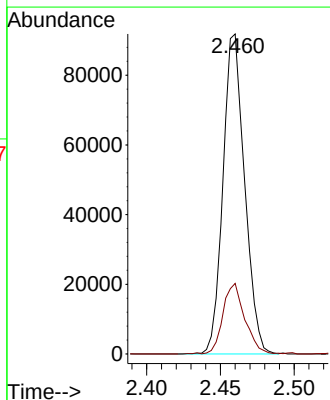
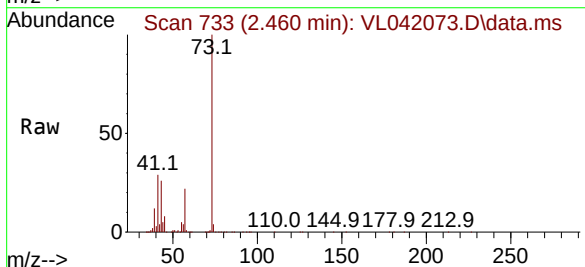
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

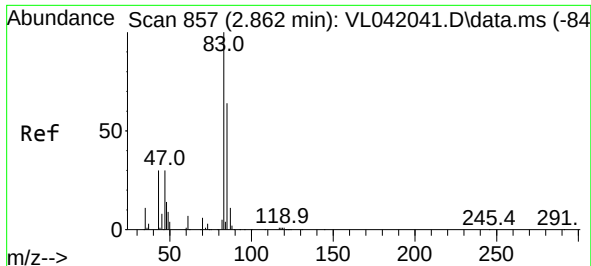
Tgt Ion: 76 Resp: 153903
Ion Ratio Lower Upper
76 100
44 20.0 16.2 24.2
78 11.6 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 8.159 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.010 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 73 Resp: 93767
Ion Ratio Lower Upper
73 100
57 22.5 17.7 26.5





#29

Chloroform

Concen: 9.268 ppbv

RT: 2.871 min Scan# 80

Delta R.T. 0.010 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

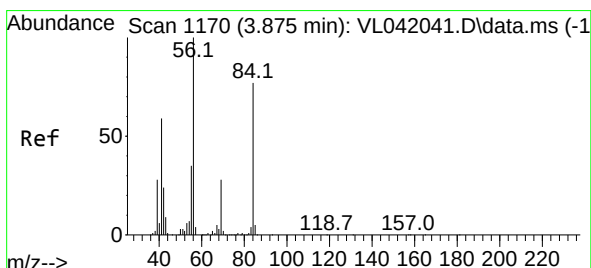
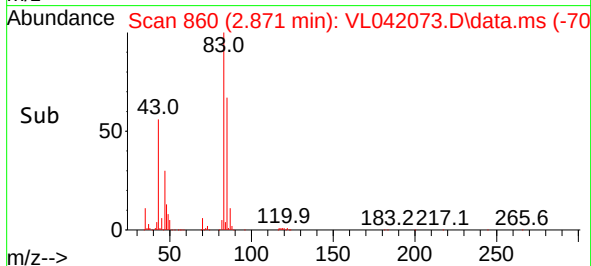
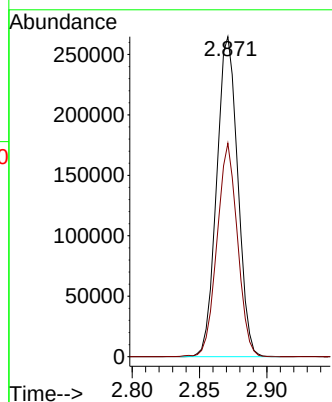
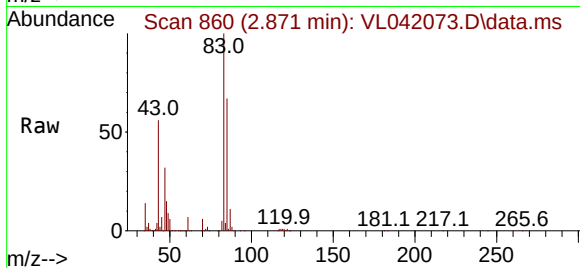
VSTDCCC010EC

Tgt Ion: 83 Resp: 287951

Ion Ratio Lower Upper

83 100

85 66.7 51.2 76.8



#30

Cyclohexane

Concen: 9.135 ppbv

RT: 3.887 min Scan# 1174

Delta R.T. 0.013 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

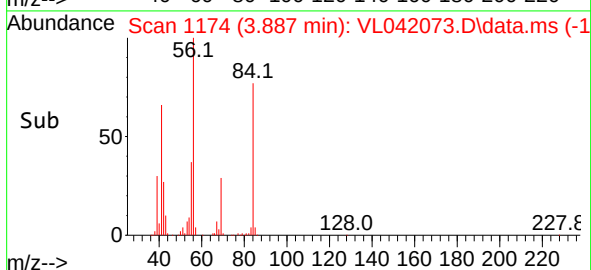
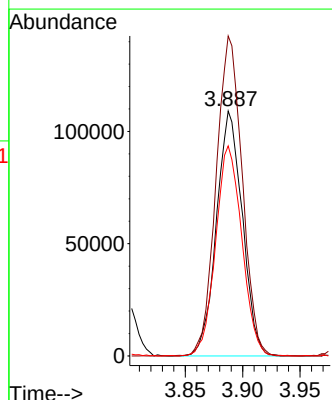
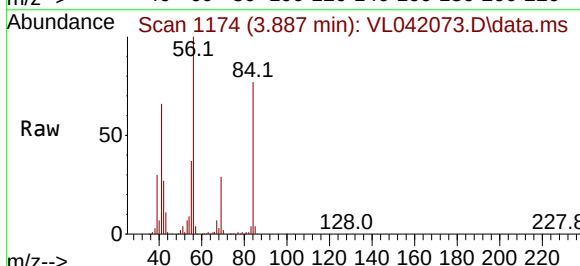
Tgt Ion: 84 Resp: 171166

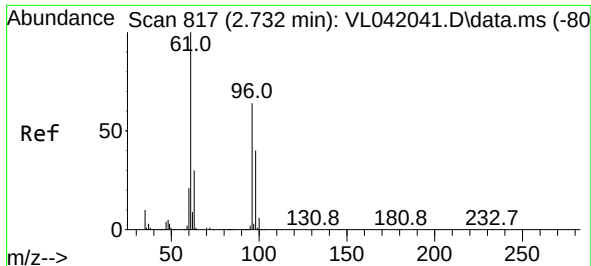
Ion Ratio Lower Upper

84 100

56 131.8 101.5 152.3

41 87.0 62.6 93.8

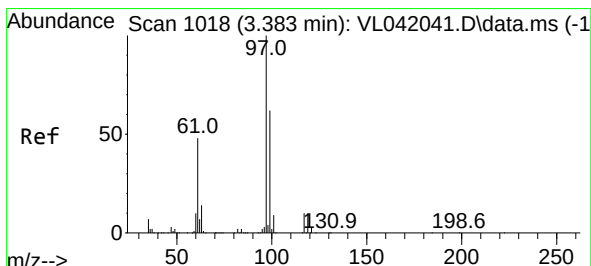
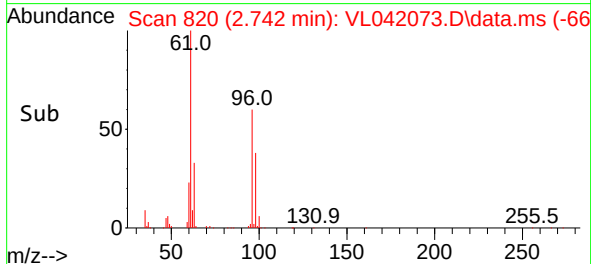
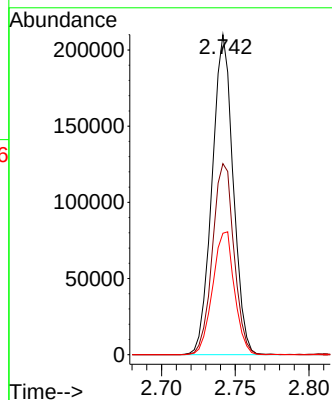
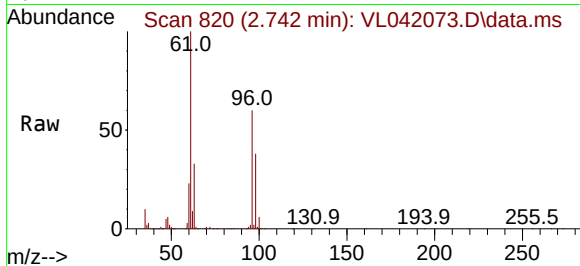




#31
 cis-1,2-Dichloroethene
 Concen: 9.559 ppbv
 RT: 2.742 min Scan# 81
 Delta R.T. 0.009 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

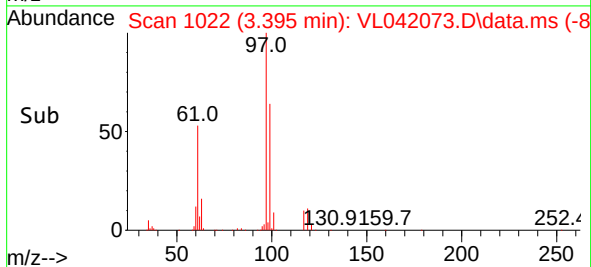
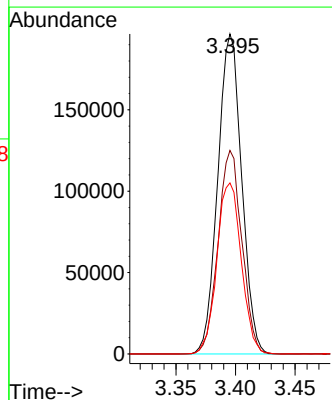
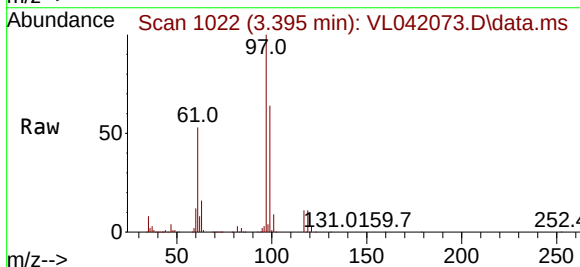
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

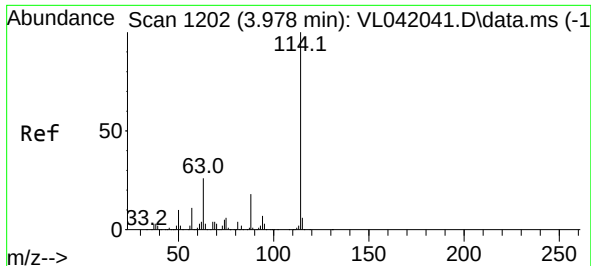
Tgt Ion: 61 Resp: 208889
 Ion Ratio Lower Upper
 61 100
 96 59.7 51.5 77.3
 98 37.9 32.0 48.0



#32
 1,1,1-Trichloroethane
 Concen: 9.095 ppbv
 RT: 3.395 min Scan# 1022
 Delta R.T. 0.013 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

Tgt Ion: 97 Resp: 274111
 Ion Ratio Lower Upper
 97 100
 99 63.3 49.8 74.6
 61 54.7 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.991 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

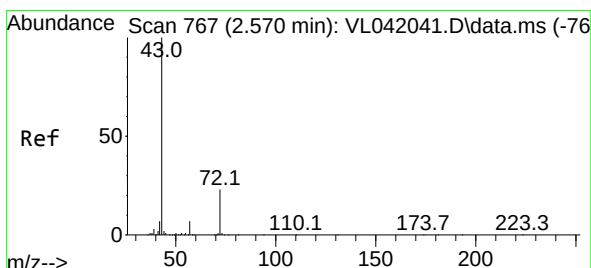
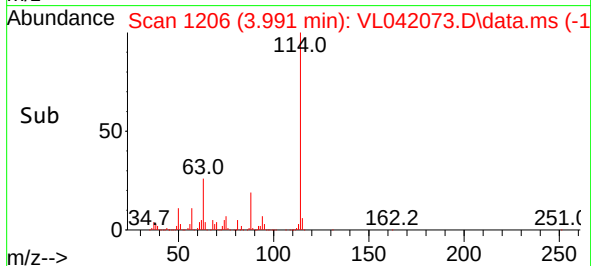
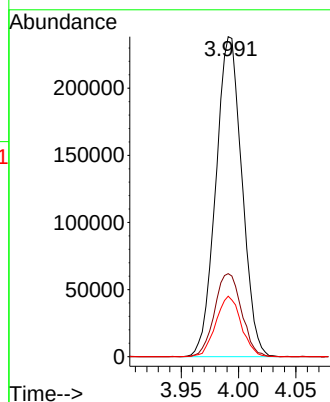
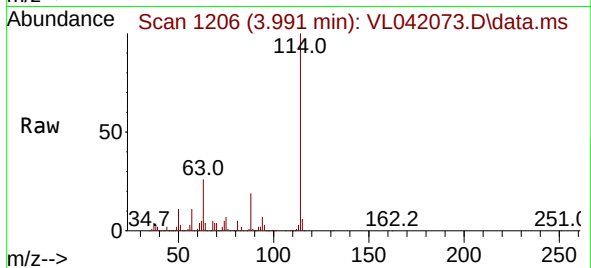
Tgt Ion:114 Resp: 377599

Ion Ratio Lower Upper

114 100

63 26.8 20.1 30.1

88 18.4 14.3 21.5



#34

2-Butanone

Concen: 11.440 ppbv

RT: 2.576 min Scan# 769

Delta R.T. 0.006 min

Lab File: VL042073.D

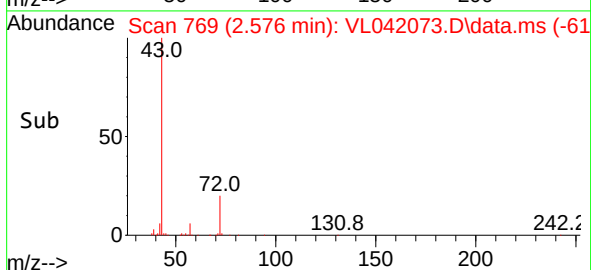
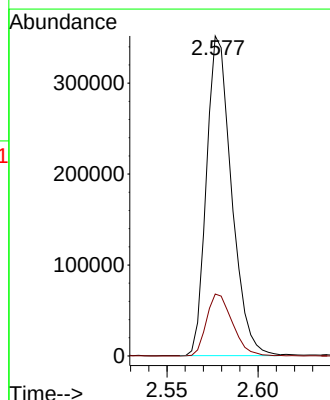
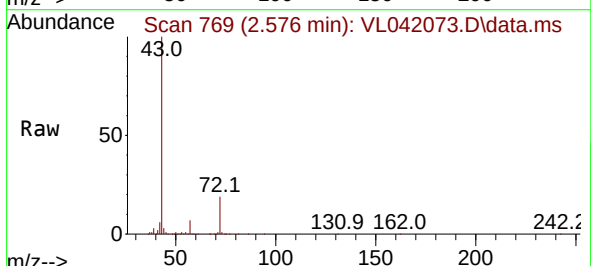
Acq: 27 Feb 2025 14:51

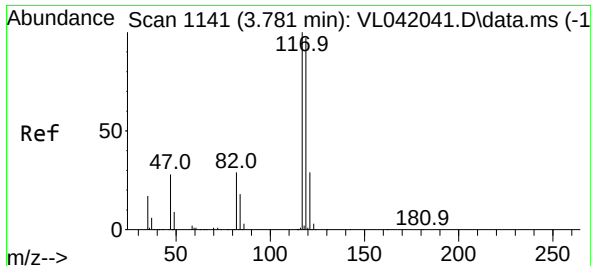
Tgt Ion: 43 Resp: 336544

Ion Ratio Lower Upper

43 100

72 20.1 18.5 27.7

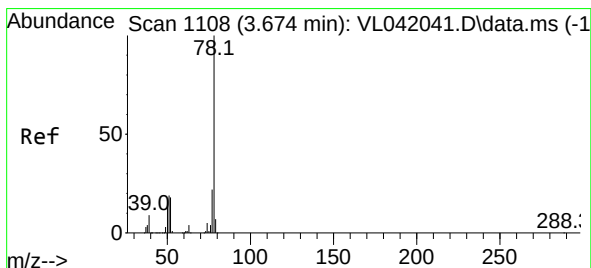
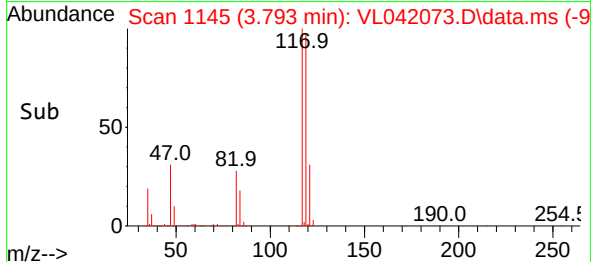
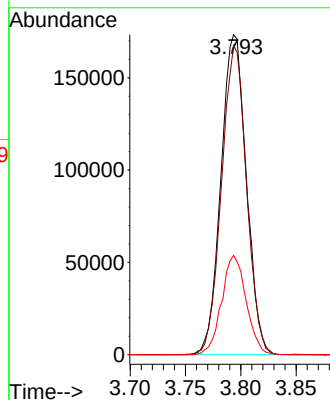
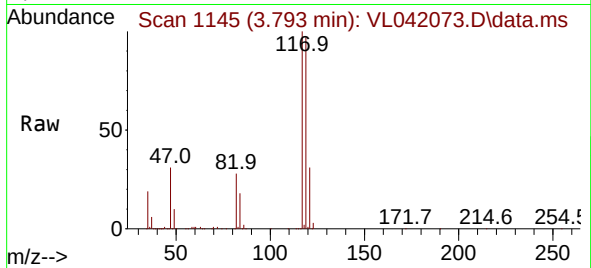




#35
Carbon Tetrachloride
Concen: 10.648 ppbv
RT: 3.793 min Scan# 1112
Delta R.T. 0.013 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

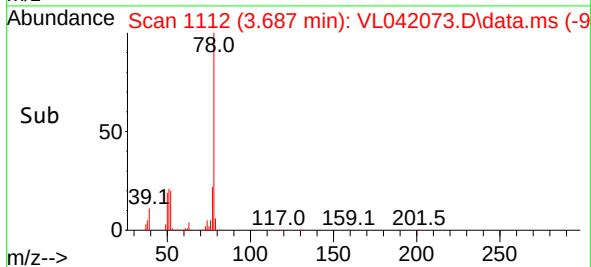
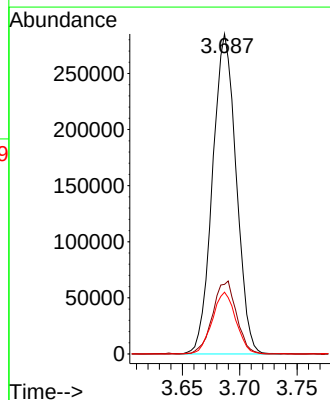
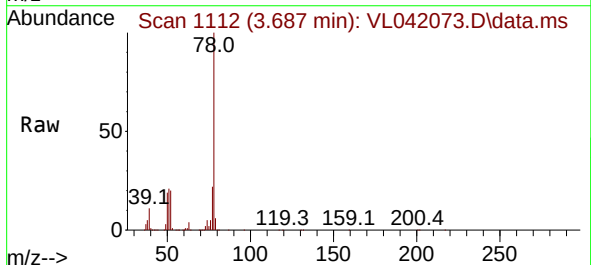
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

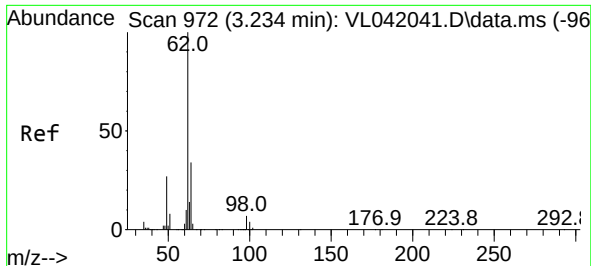
Tgt Ion:117 Resp: 277265
Ion Ratio Lower Upper
117 100
119 96.7 77.8 116.8
121 31.1 23.4 35.0



#36
Benzene
Concen: 10.353 ppbv
RT: 3.687 min Scan# 1112
Delta R.T. 0.013 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 78 Resp: 409244
Ion Ratio Lower Upper
78 100
77 21.7 17.7 26.5
50 19.3 13.9 20.9





#37

1,2-Dichloroethane

Concen: 10.818 ppbv

RT: 3.243 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

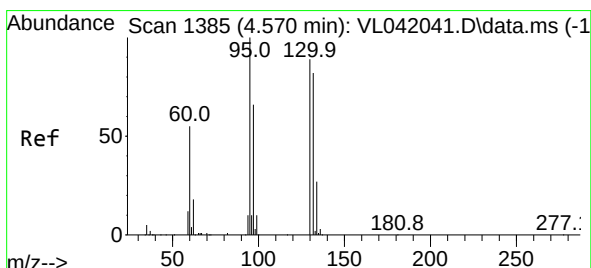
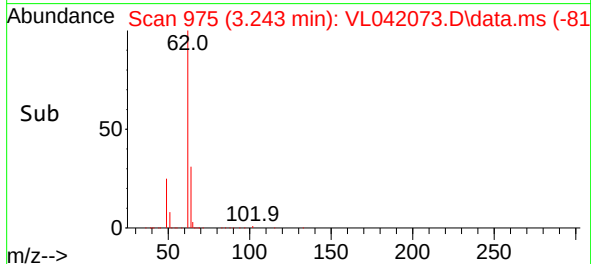
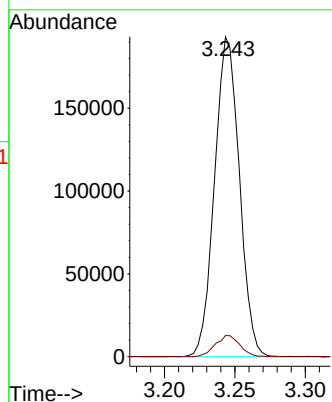
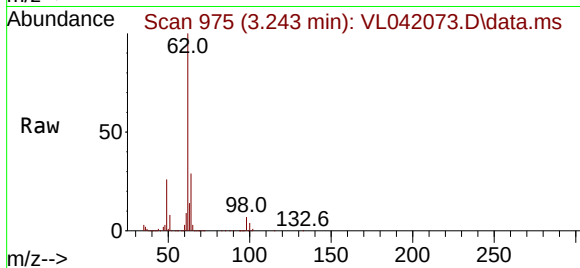
VSTDCCC010EC

Tgt Ion: 62 Resp: 237098

Ion Ratio Lower Upper

62 100

98 6.5 5.7 8.5



#38

Trichloroethene

Concen: 9.488 ppbv

RT: 4.586 min Scan# 1390

Delta R.T. 0.016 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Tgt Ion:130 Resp: 153141

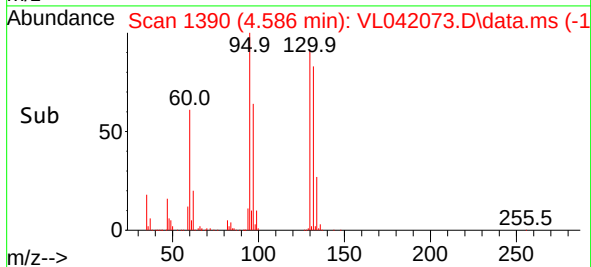
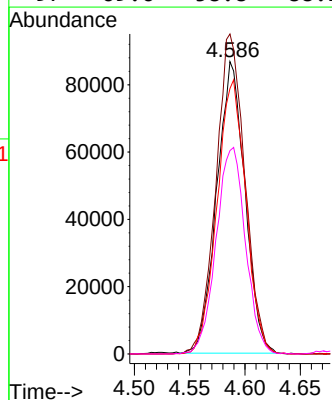
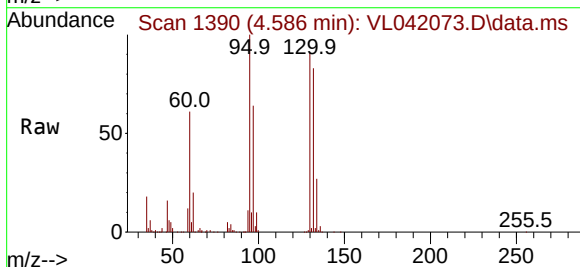
Ion Ratio Lower Upper

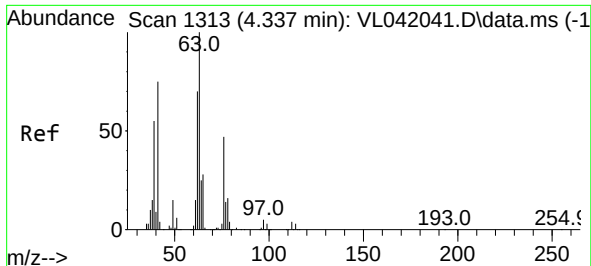
130 100

95 109.7 89.5 134.3

132 90.9 73.8 110.6

97 69.6 58.8 88.2





#39

1,2-Dichloropropane

Concen: 10.435 ppbv

RT: 4.350 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

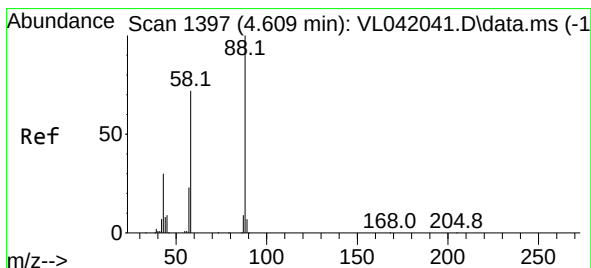
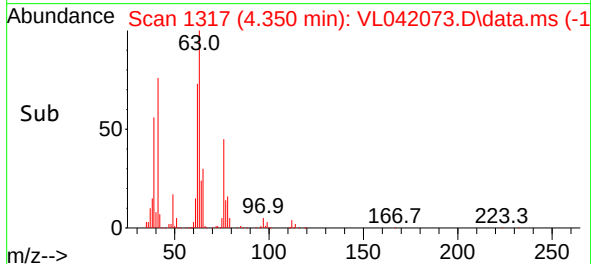
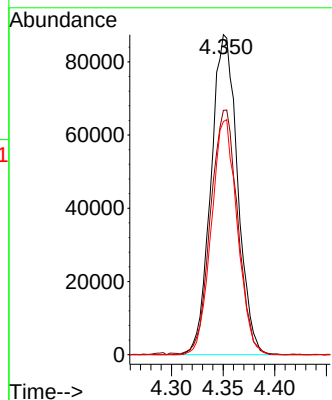
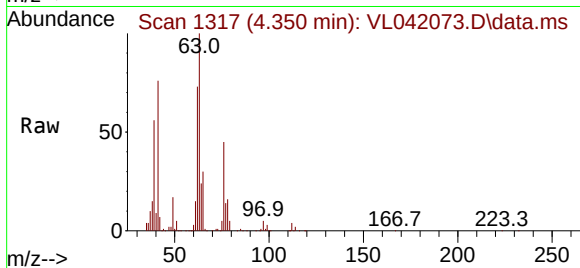
Tgt Ion: 63 Resp: 156567

Ion Ratio Lower Upper

63 100

41 76.2 60.1 90.1

62 72.9 55.8 83.8



#40

1,4-Dioxane

Concen: 9.631 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.013 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Tgt Ion: 88 Resp: 65965

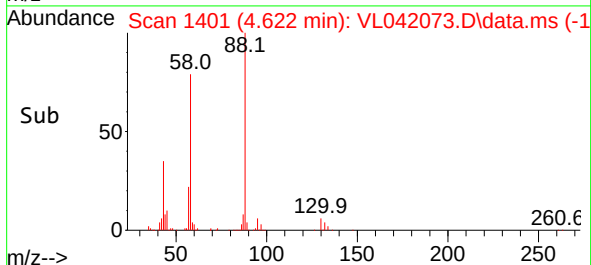
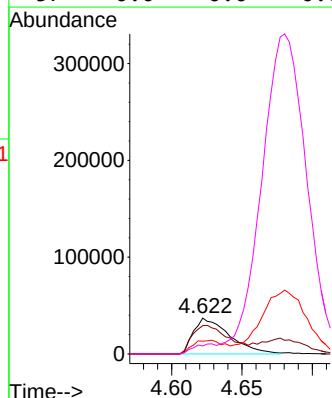
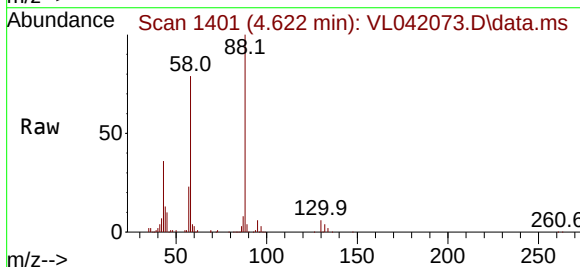
Ion Ratio Lower Upper

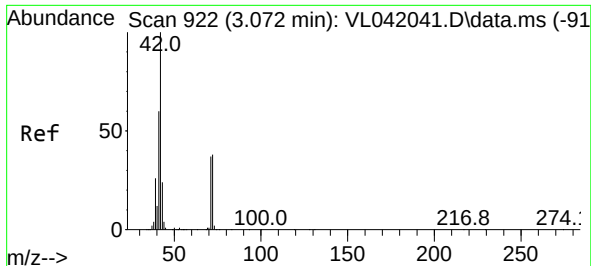
88 100

58 84.8 62.6 94.0

43 40.1 0.0 0.0#

57 0.0 0.0 0.0

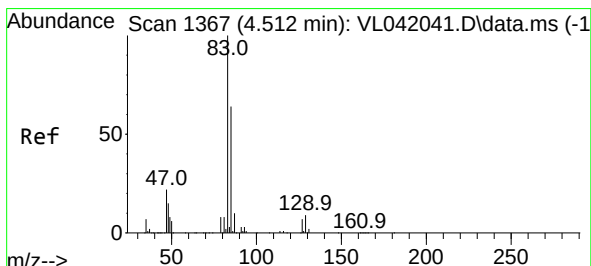
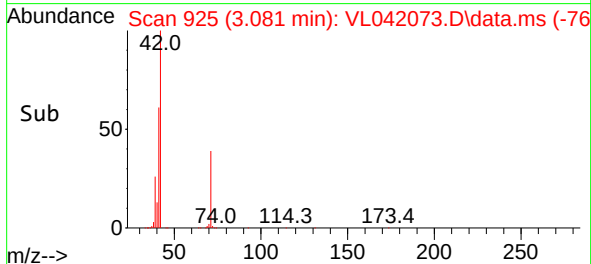
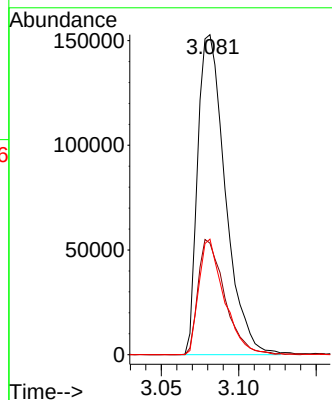
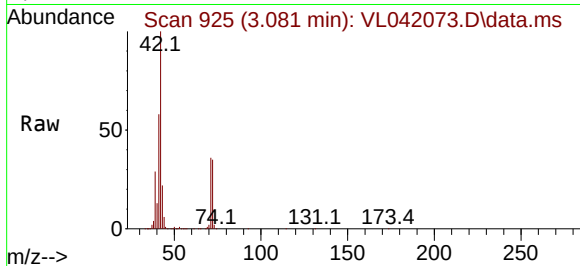




#41
Tetrahydrofuran
Concen: 10.927 ppbv
RT: 3.081 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

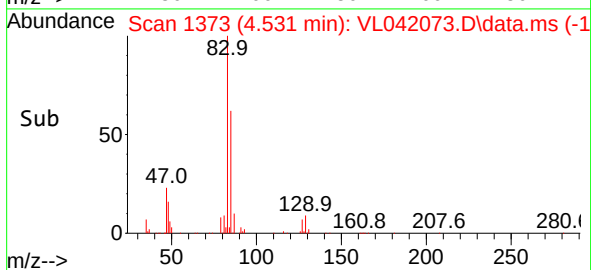
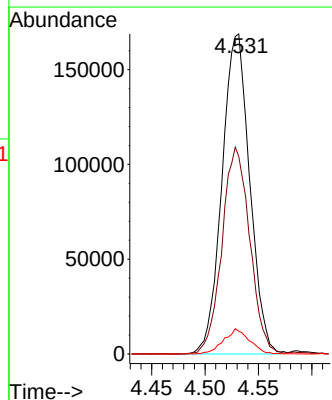
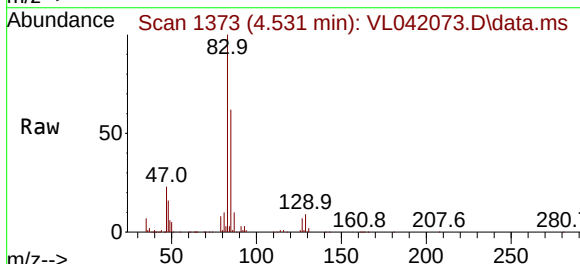
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

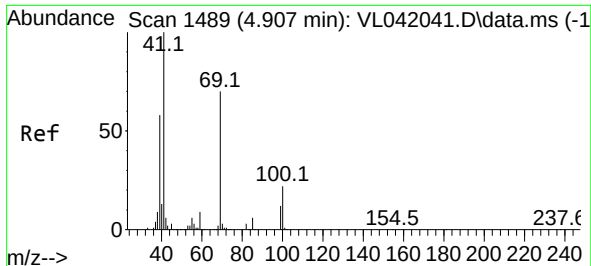
Tgt Ion: 42 Resp: 189930
Ion Ratio Lower Upper
42 100
72 34.9 30.2 45.2
71 33.4 28.2 42.4



#42
Bromodichloromethane
Concen: 10.317 ppbv
RT: 4.531 min Scan# 1373
Delta R.T. 0.019 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 83 Resp: 304658
Ion Ratio Lower Upper
83 100
85 61.8 51.4 77.2
127 7.1 5.8 8.6





#43

Methyl Methacrylate

Concen: 10.470 ppbv

RT: 4.920 min Scan# 1419

Delta R.T. 0.013 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

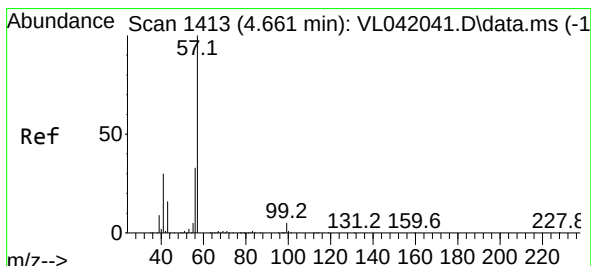
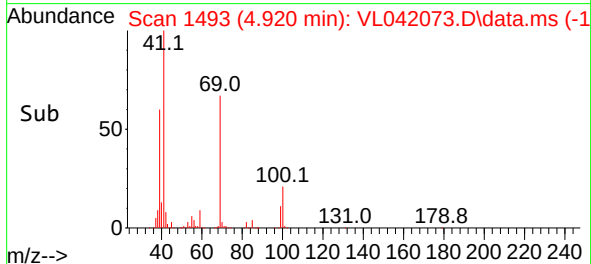
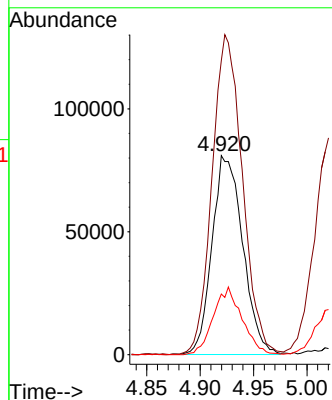
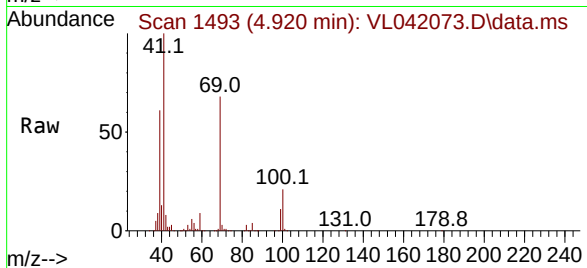
Tgt Ion: 69 Resp: 161634

Ion Ratio Lower Upper

69 100

41 158.4 118.2 177.4

100 31.9 27.0 40.4



#44

2,2,4-Trimethylpentane

Concen: 10.492 ppbv

RT: 4.680 min Scan# 1419

Delta R.T. 0.019 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

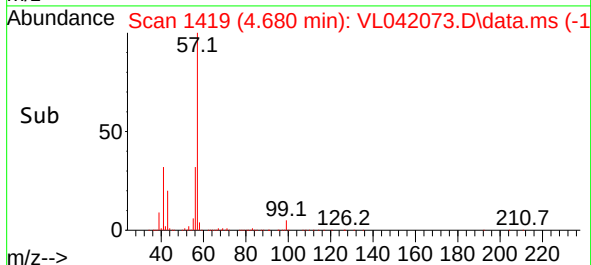
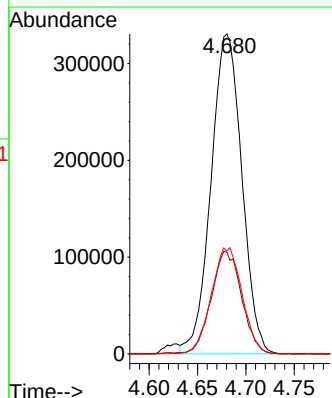
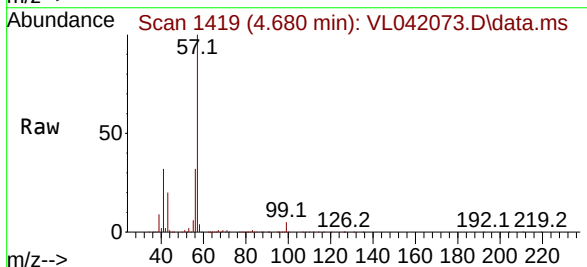
Tgt Ion: 57 Resp: 731956

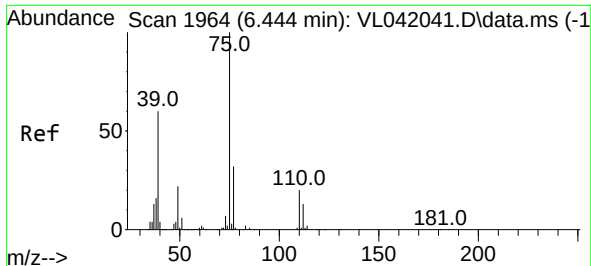
Ion Ratio Lower Upper

57 100

41 32.0 24.4 36.6

56 33.3 26.5 39.7





#45

t-1,3-Dichloropropene

Concen: 9.821 ppbv

RT: 6.464 min Scan# 1964

Delta R.T. 0.019 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

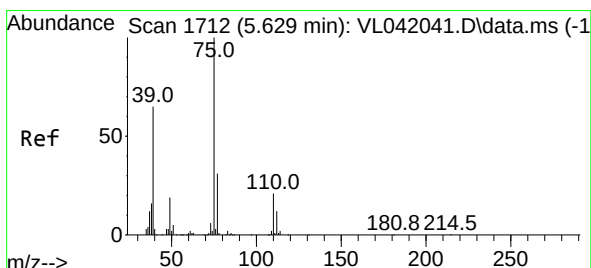
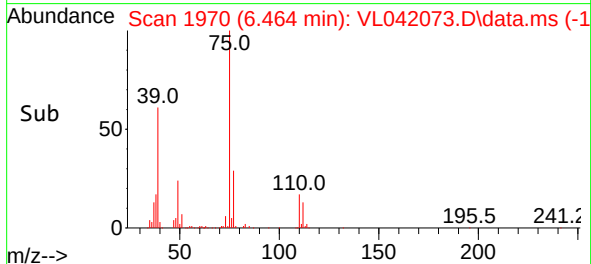
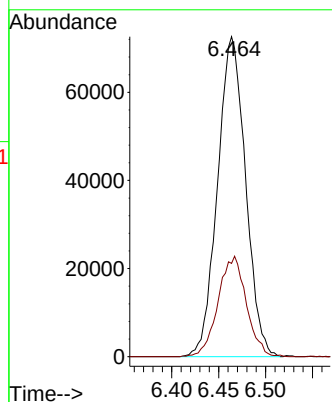
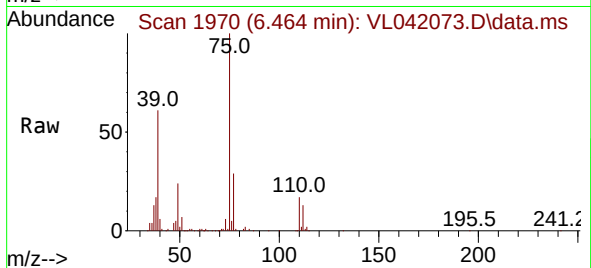
VSTDCCC010EC

Tgt Ion: 75 Resp: 150622

Ion Ratio Lower Upper

75 100

77 29.2 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 10.272 ppbv

RT: 5.648 min Scan# 1718

Delta R.T. 0.019 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

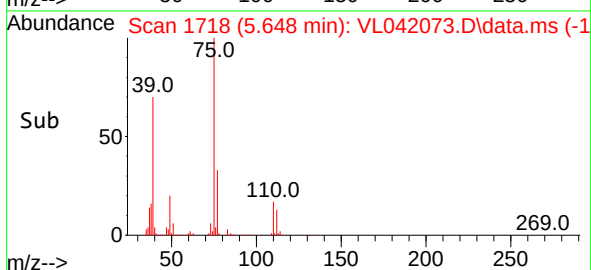
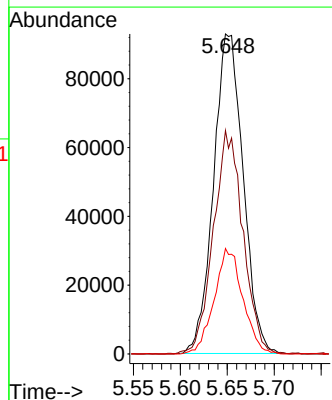
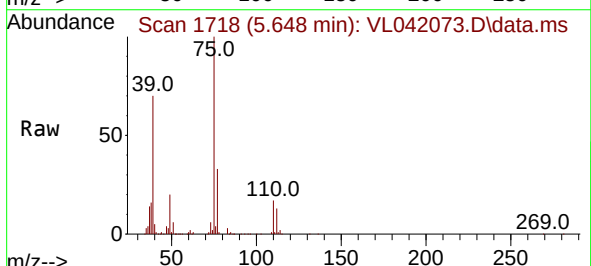
Tgt Ion: 75 Resp: 203869

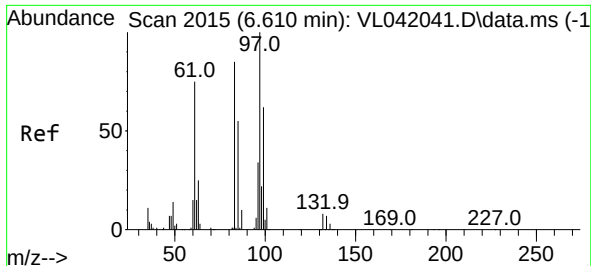
Ion Ratio Lower Upper

75 100

39 69.4 51.9 77.9

77 33.0 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 10.125 ppbv

RT: 6.629 min Scan# 2015

Delta R.T. 0.019 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 154223

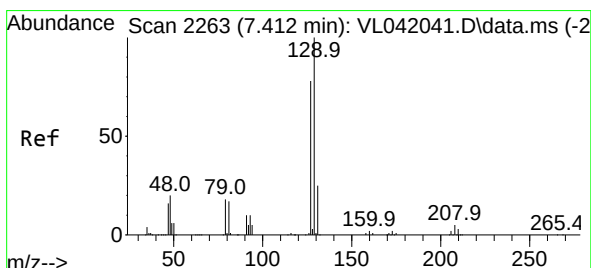
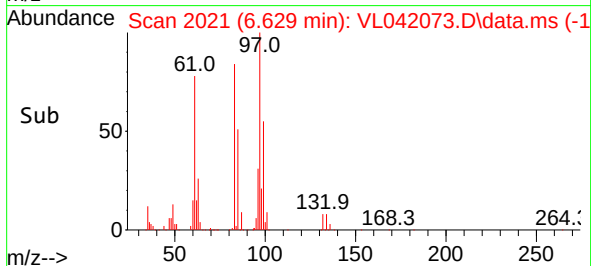
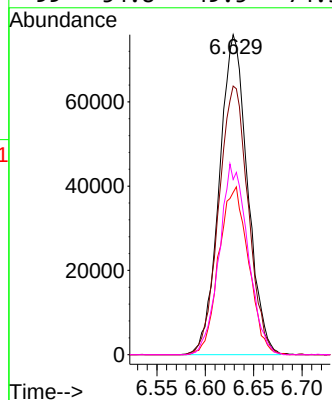
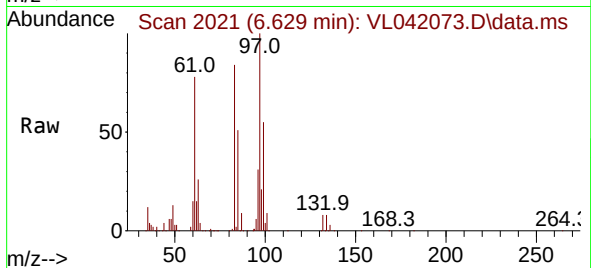
Ion Ratio Lower Upper

97 100

83 83.9 68.1 102.1

85 50.7 44.0 66.0

99 54.8 49.5 74.3



#48

Dibromochloromethane

Concen: 10.179 ppbv

RT: 7.428 min Scan# 2268

Delta R.T. 0.016 min

Lab File: VL042073.D

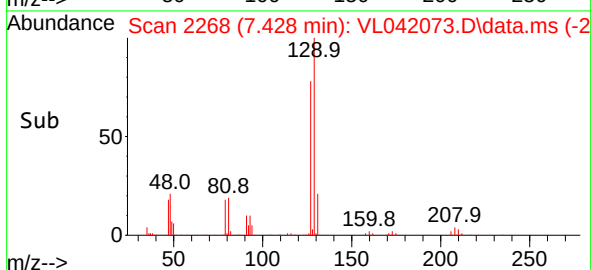
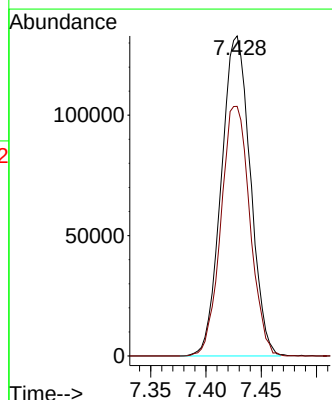
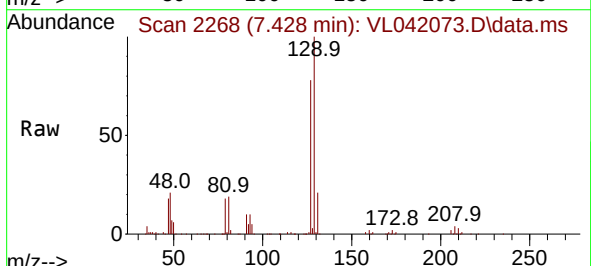
Acq: 27 Feb 2025 14:51

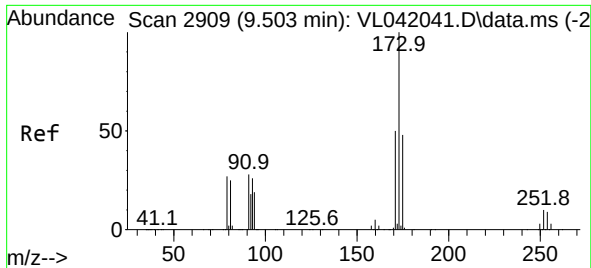
Tgt Ion: 129 Resp: 242837

Ion Ratio Lower Upper

129 100

127 77.8 38.6 115.8

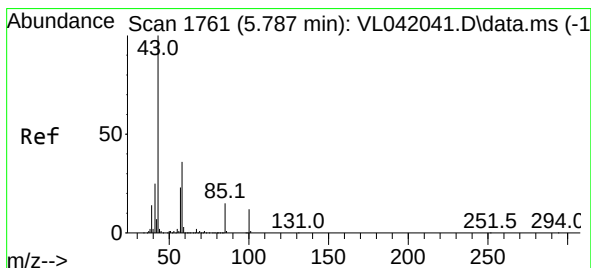
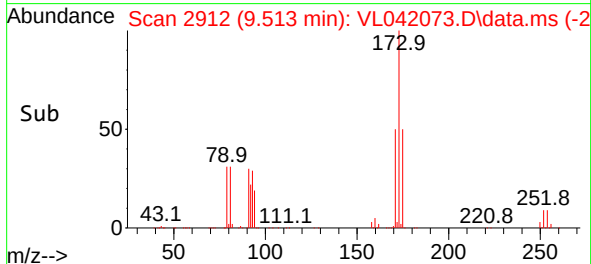
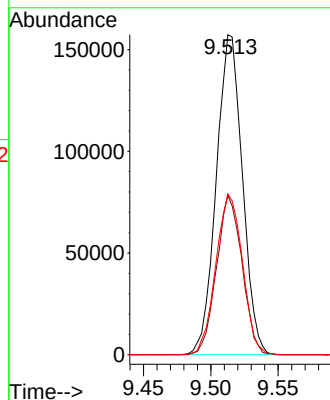
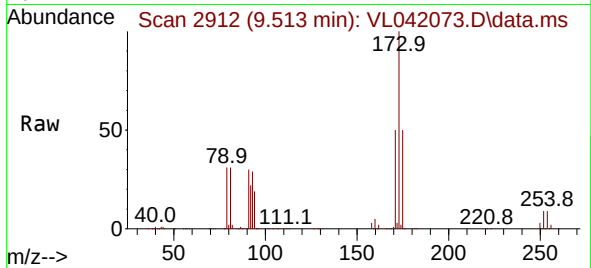




#49
Bromoform
Concen: 10.249 ppbv
RT: 9.513 min Scan# 2909
Delta R.T. 0.009 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

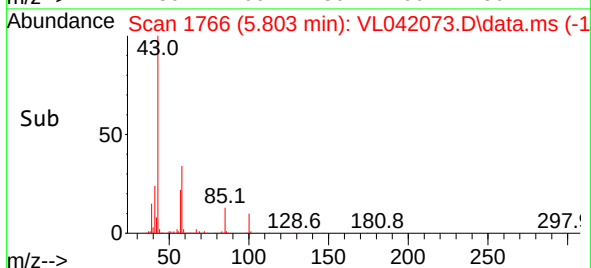
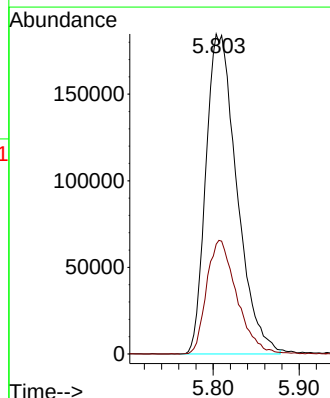
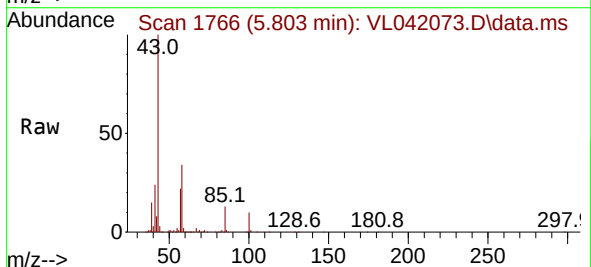
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

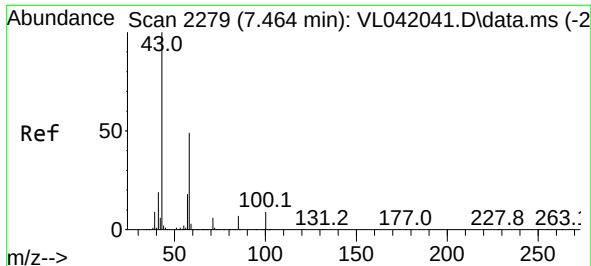
Tgt Ion:173 Resp: 212334
Ion Ratio Lower Upper
173 100
175 48.5 38.3 57.5
171 51.2 40.2 60.2



#50
4-Methyl-2-Pentanone
Concen: 12.129 ppbv
RT: 5.803 min Scan# 1766
Delta R.T. 0.016 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 43 Resp: 461454
Ion Ratio Lower Upper
43 100
58 34.8 29.3 43.9

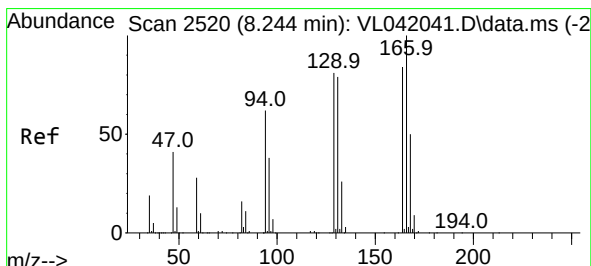
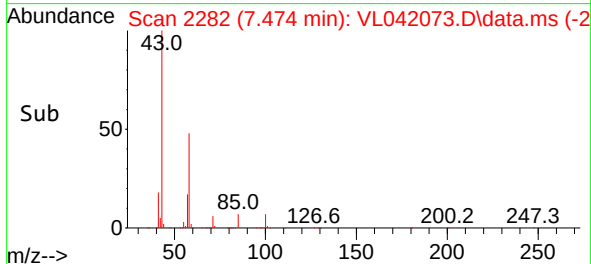
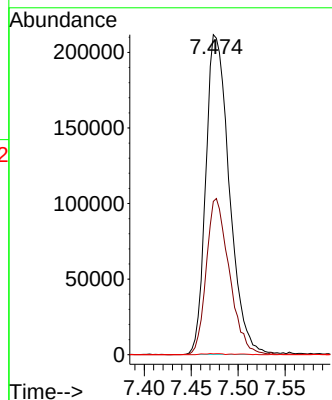
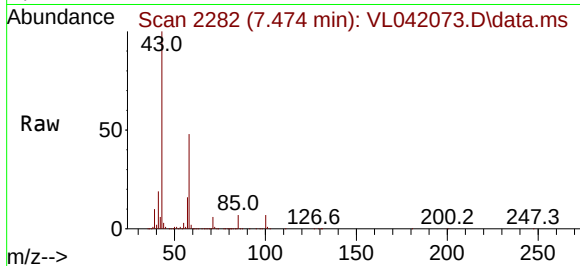




#51
2-Hexanone
Concen: 14.113 ppbv
RT: 7.474 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

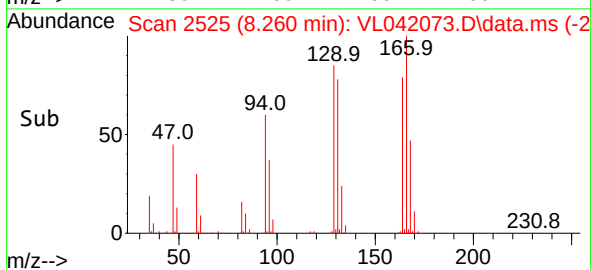
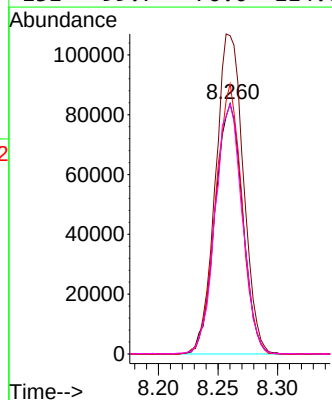
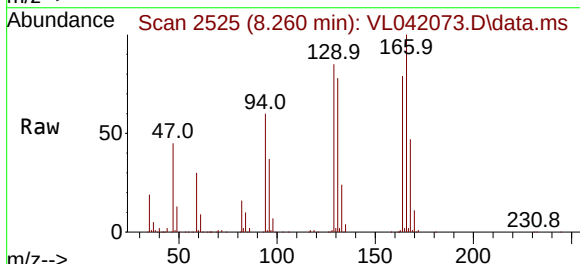
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

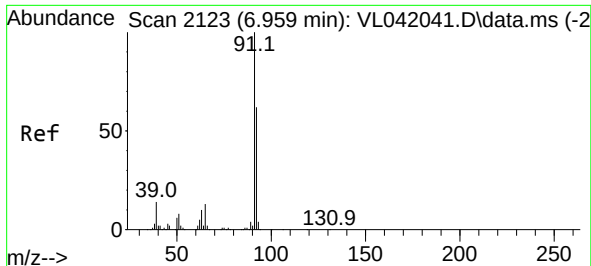
Tgt Ion: 43 Resp: 369555
Ion Ratio Lower Upper
43 100
58 47.9 39.0 58.6
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.948 ppbv
RT: 8.260 min Scan# 2525
Delta R.T. 0.016 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 164 Resp: 134613
Ion Ratio Lower Upper
164 100
166 127.0 95.7 143.5
129 107.9 77.1 115.7
131 99.7 76.0 114.0

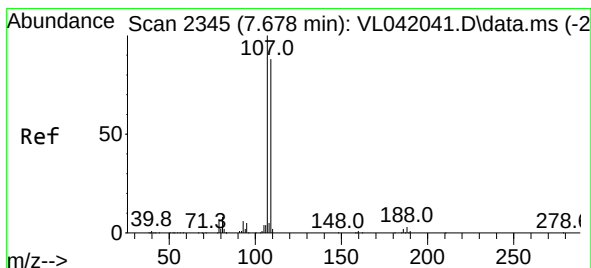
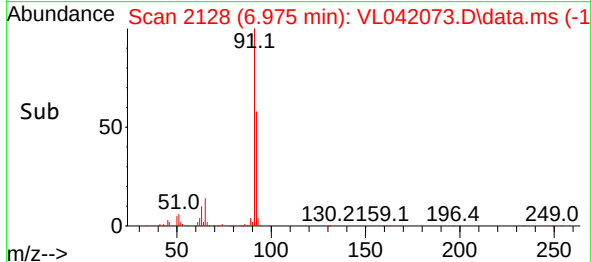
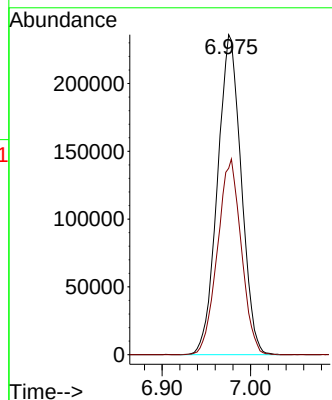
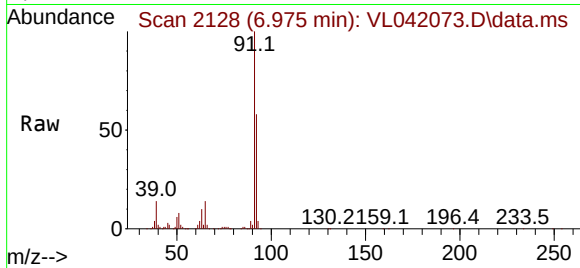




#53
Toluene
Concen: 9.957 ppbv
RT: 6.975 min Scan# 2123
Delta R.T. 0.016 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

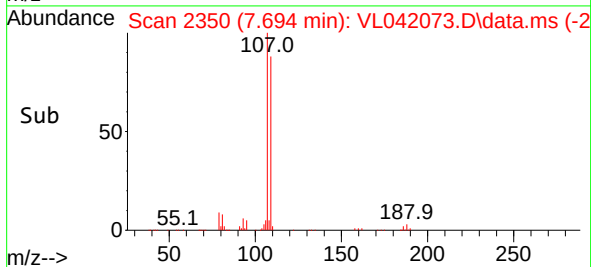
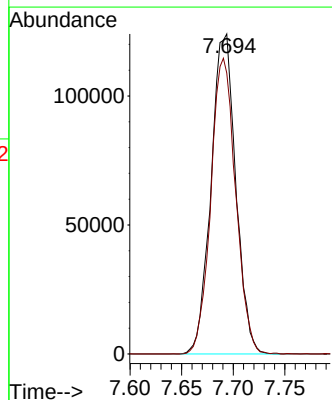
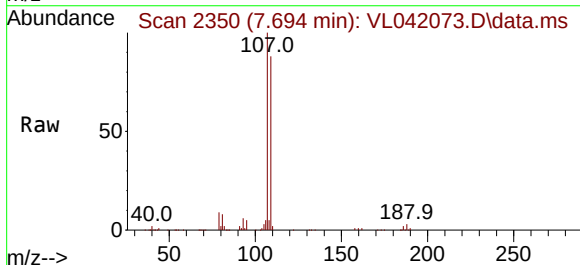
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

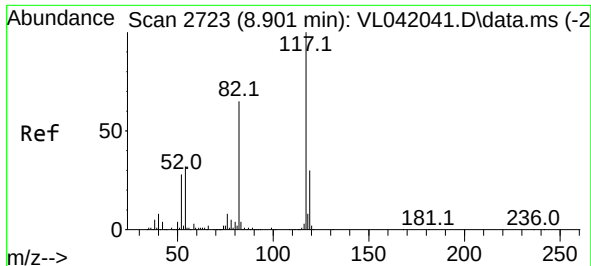
Tgt Ion: 91 Resp: 439890
Ion Ratio Lower Upper
91 100
92 61.3 49.0 73.6



#54
1,2-Dibromoethane
Concen: 10.038 ppbv
RT: 7.694 min Scan# 2350
Delta R.T. 0.016 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 107 Resp: 206708
Ion Ratio Lower Upper
107 100
109 87.8 70.2 105.4

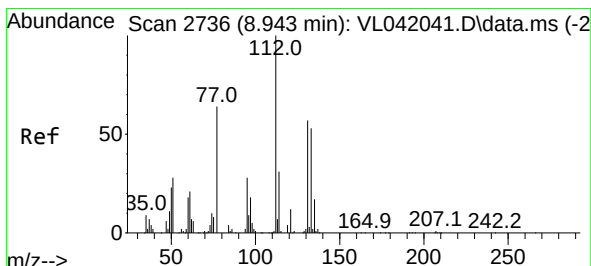
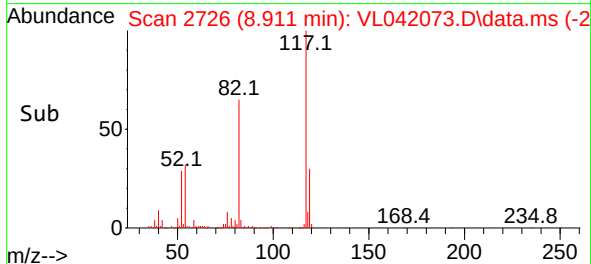
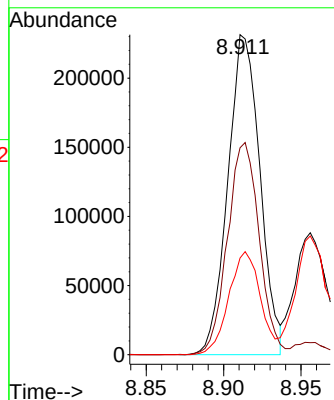
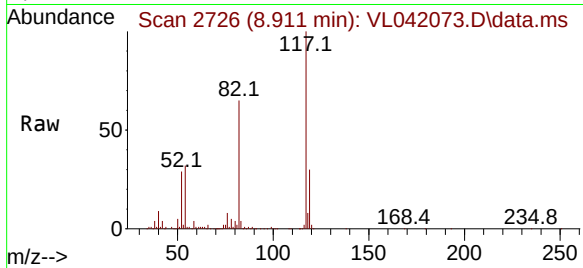




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.911 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

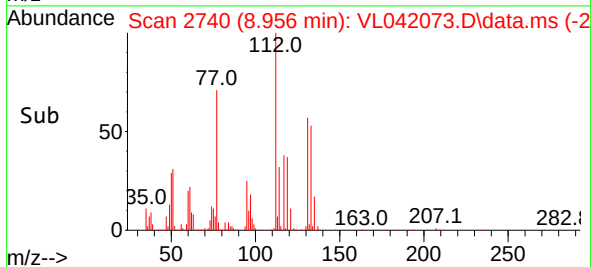
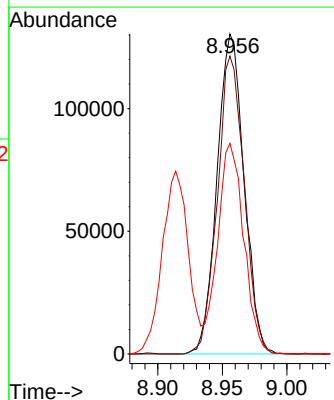
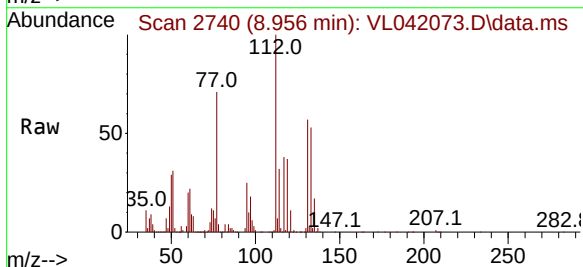
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

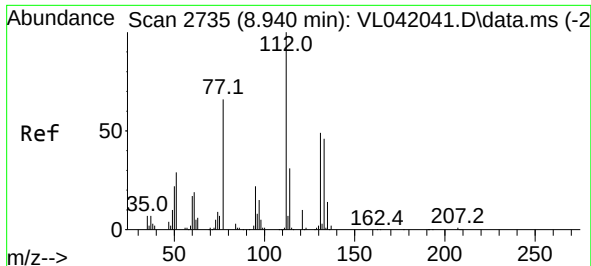
Tgt Ion:117 Resp: 334402
Ion Ratio Lower Upper
117 100
82 69.4 55.0 82.6
119 31.5 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 10.038 ppbv
RT: 8.956 min Scan# 2740
Delta R.T. 0.013 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion:131 Resp: 189730
Ion Ratio Lower Upper
131 100
133 92.8 75.8 113.8
119 62.8 52.1 78.1

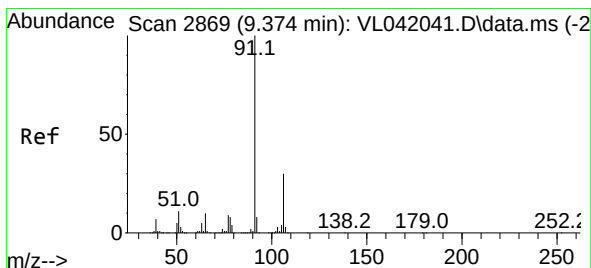
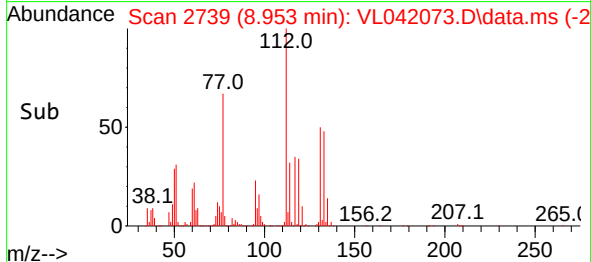
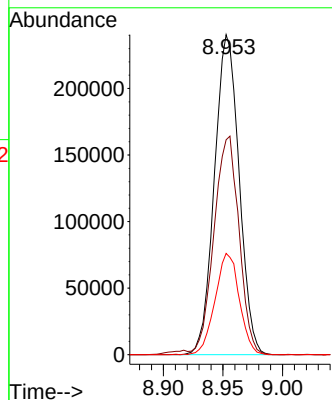
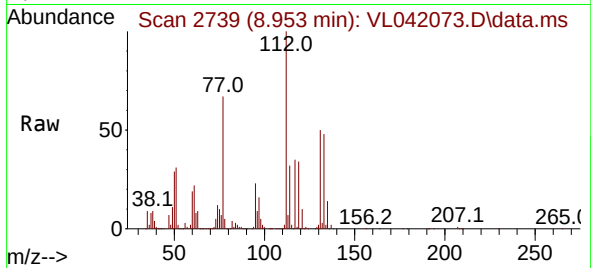




#57
Chlorobenzene
Concen: 9.989 ppbv
RT: 8.953 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

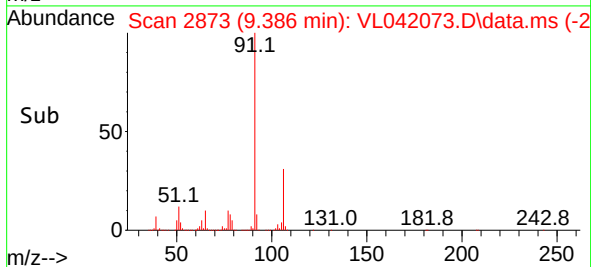
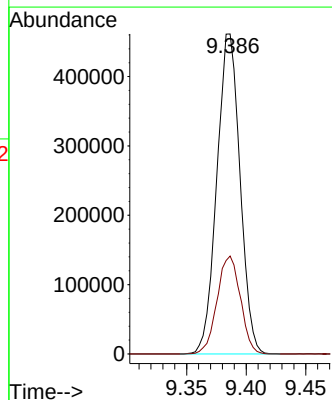
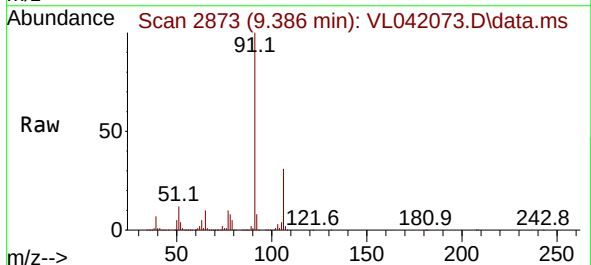
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

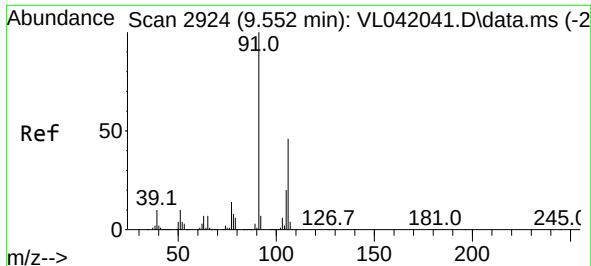
Tgt Ion:112 Resp: 346331
Ion Ratio Lower Upper
112 100
77 67.1 53.4 80.2
114 31.7 28.3 34.5



#58
Ethyl Benzene
Concen: 10.112 ppbv
RT: 9.386 min Scan# 2873
Delta R.T. 0.013 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 91 Resp: 622721
Ion Ratio Lower Upper
91 100
106 30.6 24.2 36.2





#59

m/p-Xylene

Concen: 12.241 ppbv

RT: 9.561 min Scan# 29

Delta R.T. 0.010 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

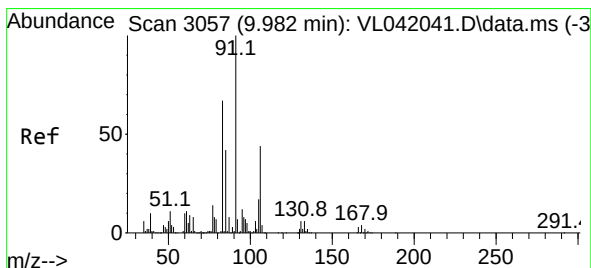
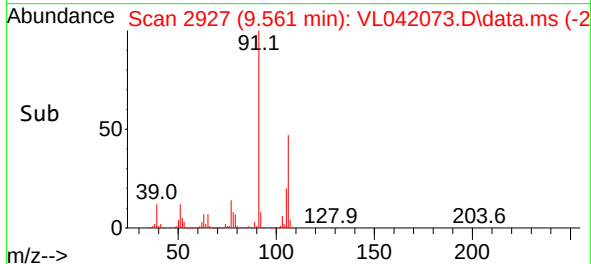
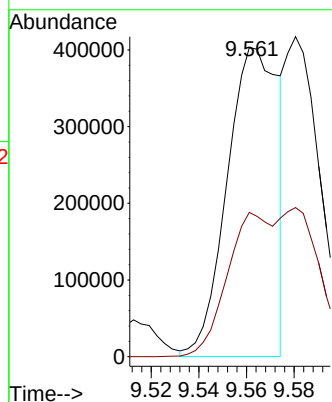
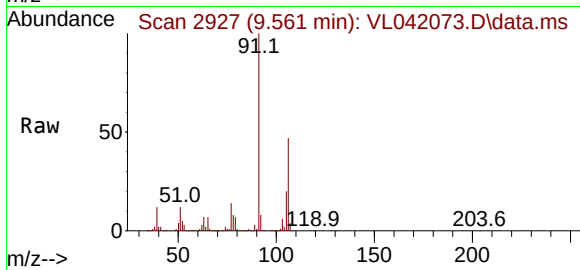
VSTDCCC010EC

Tgt Ion: 91 Resp: 599905

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 10.263 ppbv

RT: 9.995 min Scan# 3061

Delta R.T. 0.013 min

Lab File: VL042073.D

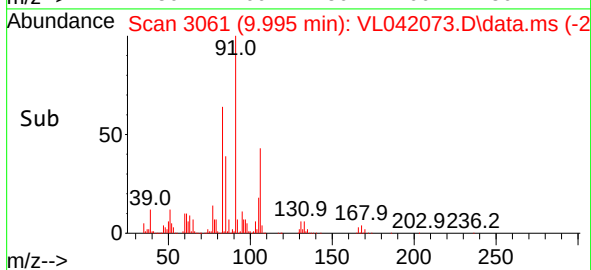
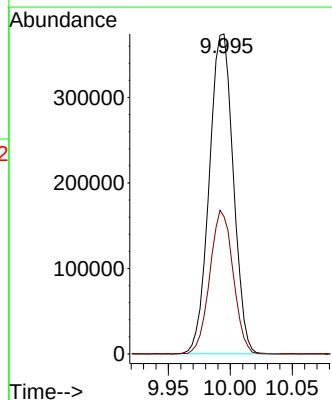
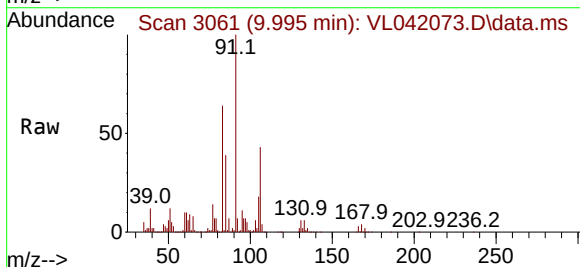
Acq: 27 Feb 2025 14:51

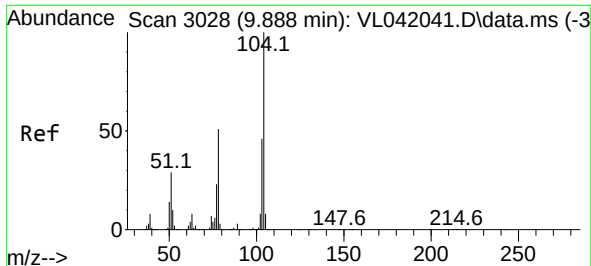
Tgt Ion: 91 Resp: 505664

Ion Ratio Lower Upper

91 100

106 43.7 22.3 66.8

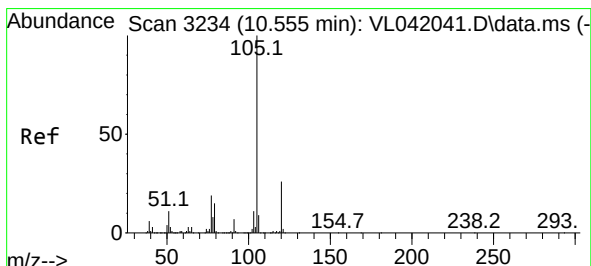
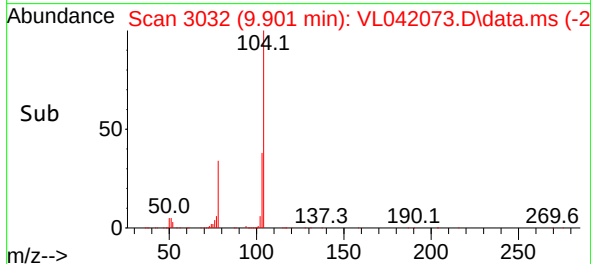
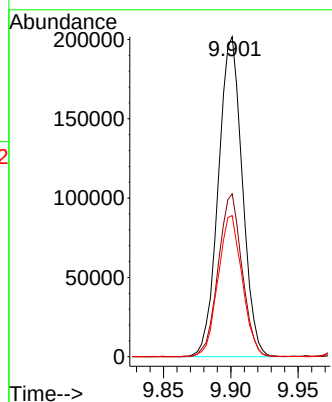
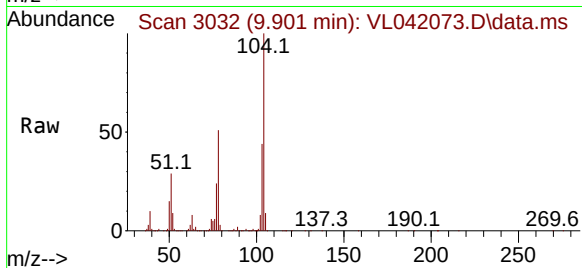




#61
Styrene
Concen: 10.781 ppbv
RT: 9.901 min Scan# 3028
Delta R.T. 0.013 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

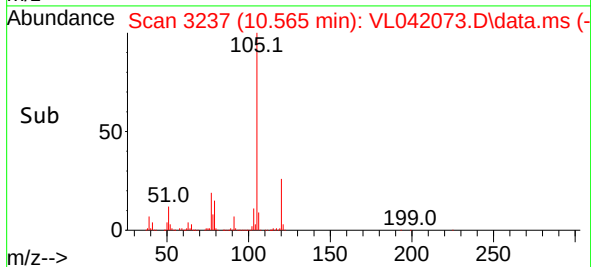
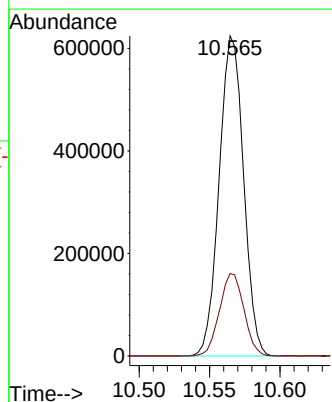
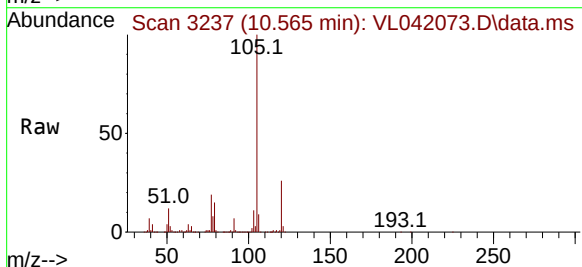
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

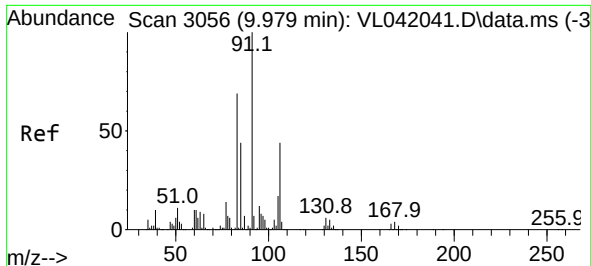
Tgt Ion:104 Resp: 249734
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.4
103 44.5 37.0 55.6



#62
Isopropylbenzene
Concen: 10.199 ppbv
RT: 10.565 min Scan# 3237
Delta R.T. 0.010 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion:105 Resp: 752546
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1

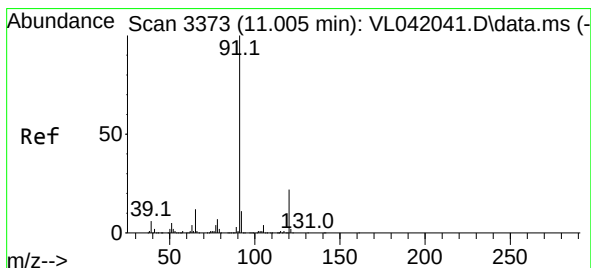
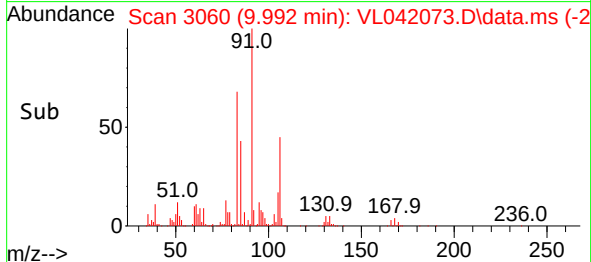
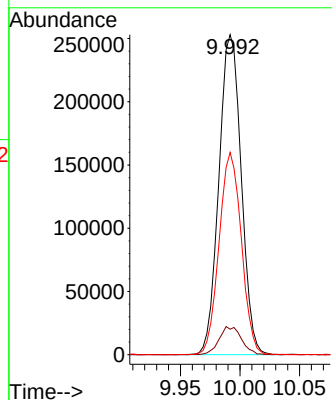
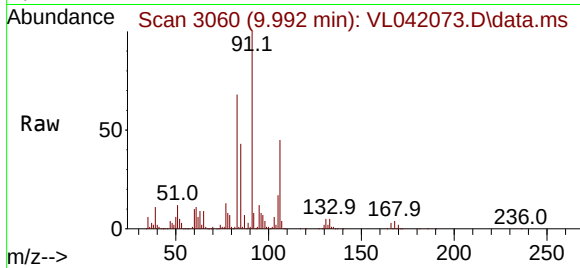




#63
1,1,2,2-Tetrachloroethane
Concen: 10.145 ppbv
RT: 9.992 min Scan# 3060
Delta R.T. 0.013 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

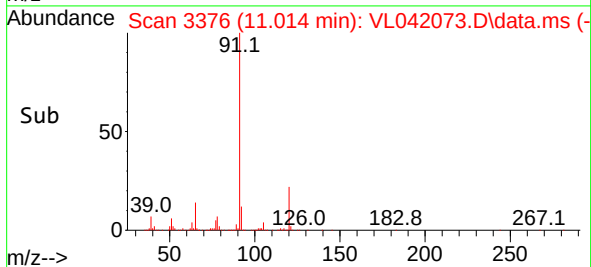
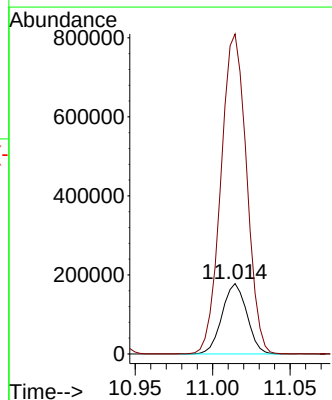
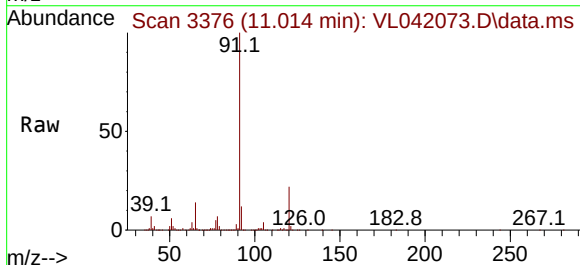
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

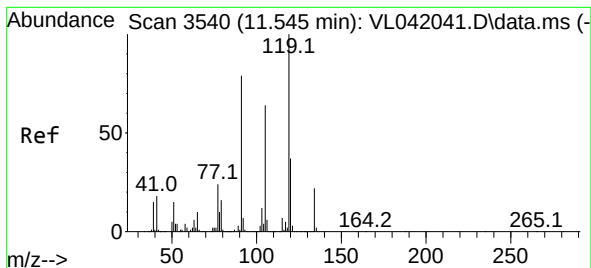
Tgt Ion: 83 Resp: 329172
Ion Ratio Lower Upper
83 100
131 8.8 4.5 13.7
85 63.0 32.1 96.3



#64
n-propylbenzene
Concen: 10.231 ppbv
RT: 11.014 min Scan# 3376
Delta R.T. 0.010 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion: 120 Resp: 198007
Ion Ratio Lower Upper
120 100
91 472.6 370.6 556.0





#65

tert-Butylbenzene

Concen: 10.017 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.009 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

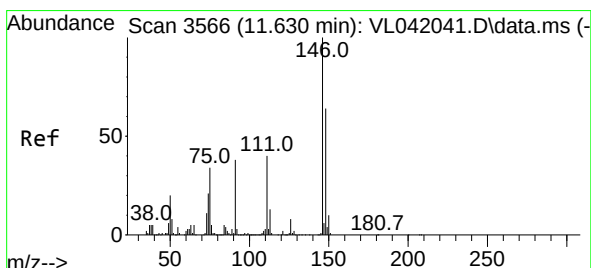
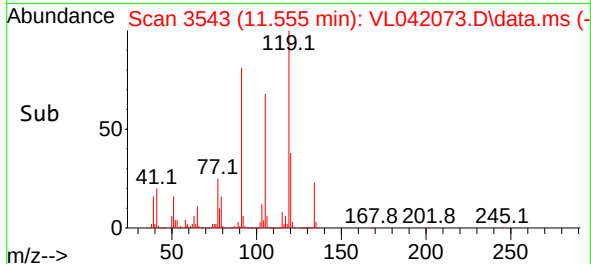
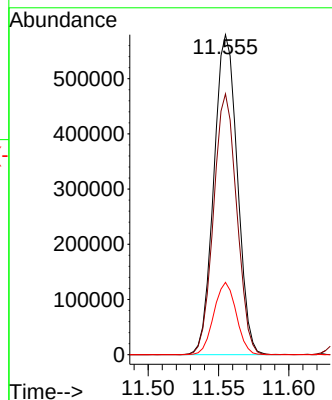
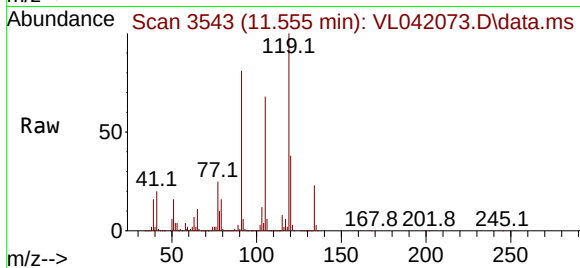
Tgt Ion:119 Resp: 672664

Ion Ratio Lower Upper

119 100

91 80.5 64.2 96.2

134 21.6 17.4 26.2



#66

Benzyl Chloride

Concen: 8.566 ppbv

RT: 11.639 min Scan# 3569

Delta R.T. 0.010 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

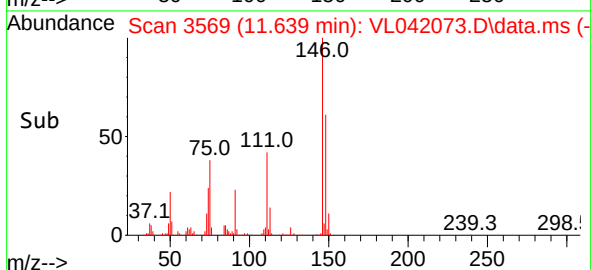
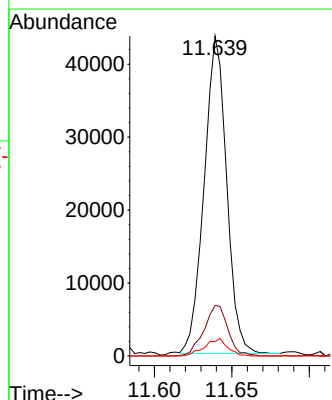
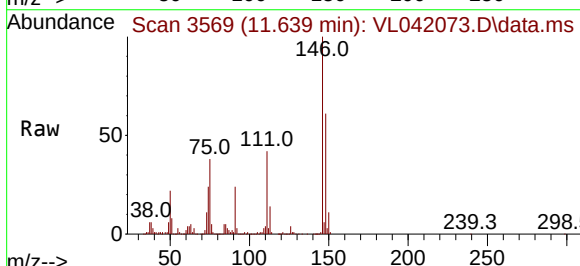
Tgt Ion: 91 Resp: 43894

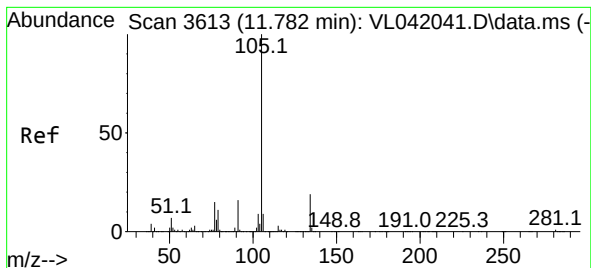
Ion Ratio Lower Upper

91 100

126 16.9 14.5 21.7

128 5.5 5.4 8.2

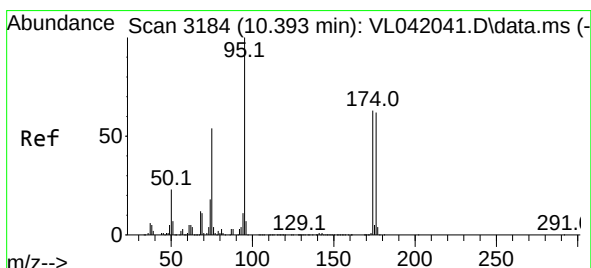
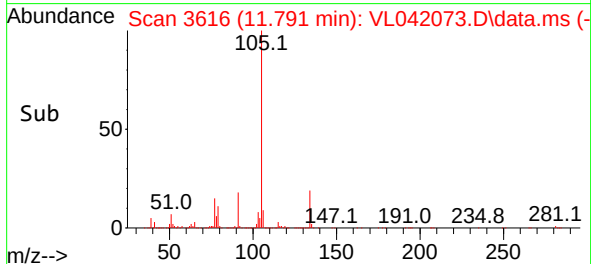
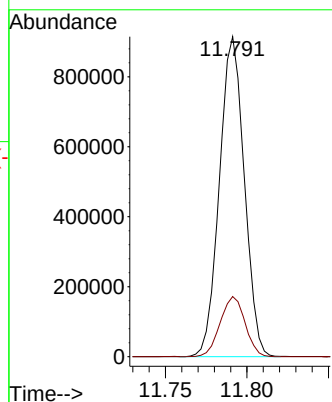
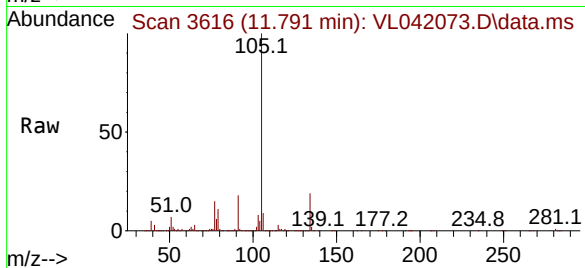




#67
 sec-Butylbenzene
 Concen: 10.078 ppbv
 RT: 11.791 min Scan# 30
 Delta R.T. 0.010 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

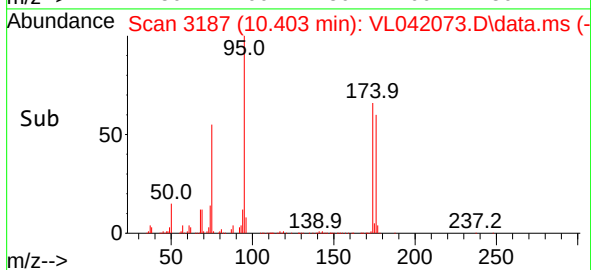
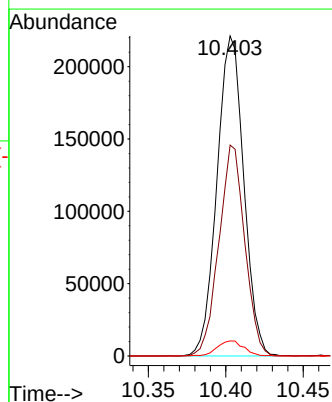
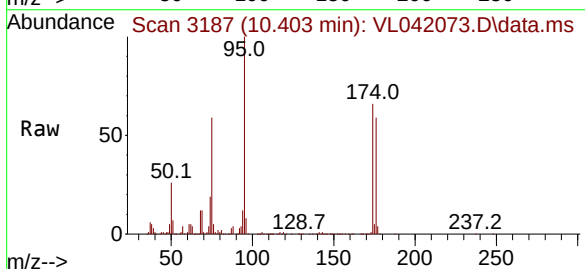
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

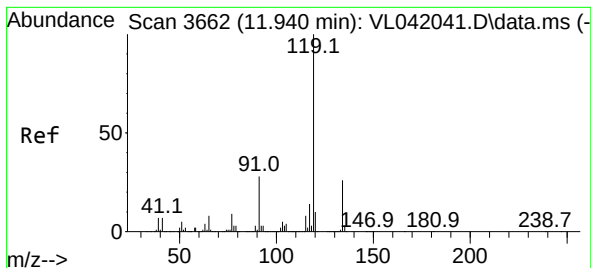
Tgt Ion:105 Resp: 967909
 Ion Ratio Lower Upper
 105 100
 134 18.9 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.375 ppbv
 RT: 10.403 min Scan# 3187
 Delta R.T. 0.010 min
 Lab File: VL042073.D
 Acq: 27 Feb 2025 14:51

Tgt Ion: 95 Resp: 266926
 Ion Ratio Lower Upper
 95 100
 174 63.5 51.8 77.6
 175 4.7 3.9 5.9





#69

p-Isopropyltoluene

Concen: 10.389 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. 0.006 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

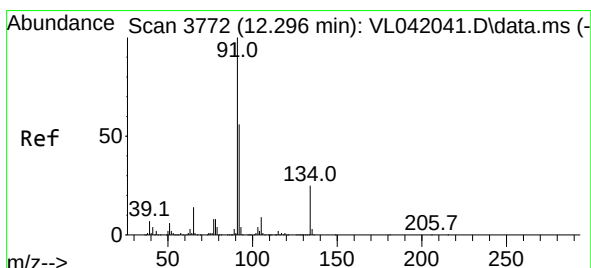
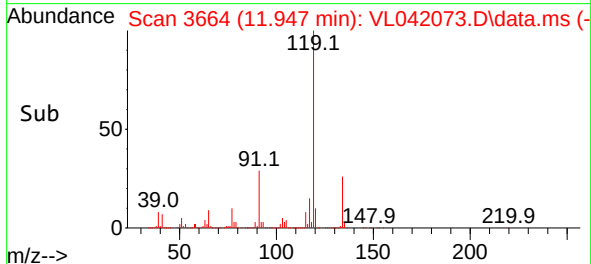
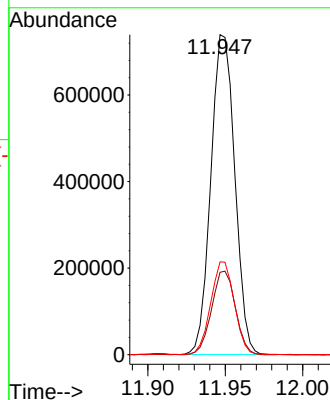
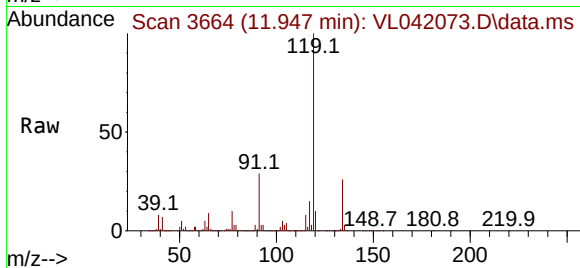
Tgt Ion:119 Resp: 793785

Ion Ratio Lower Upper

119 100

134 26.1 20.9 31.3

91 28.7 23.1 34.7



#70

n-Butylbenzene

Concen: 10.650 ppbv

RT: 12.303 min Scan# 3774

Delta R.T. 0.006 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

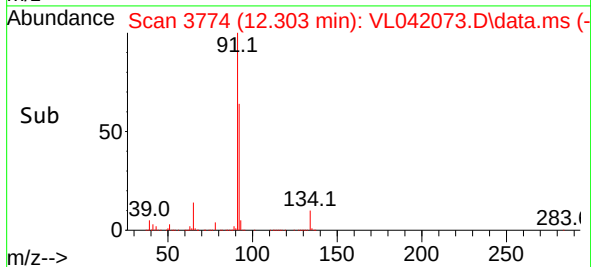
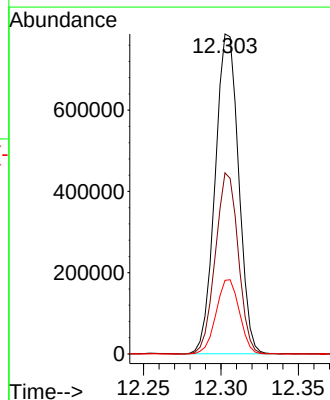
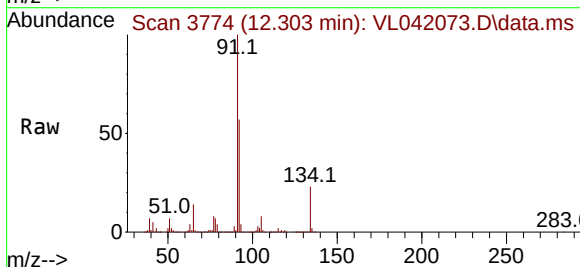
Tgt Ion: 91 Resp: 830637

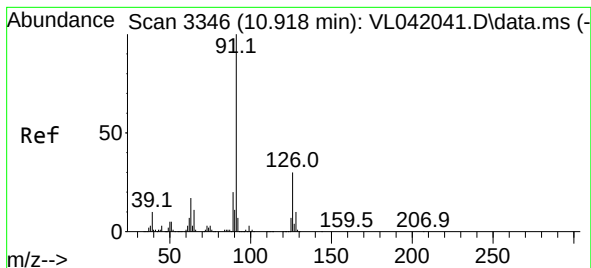
Ion Ratio Lower Upper

91 100

92 55.3 44.7 67.1

134 23.0 18.9 28.3

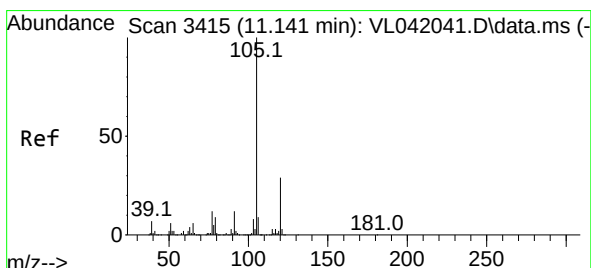
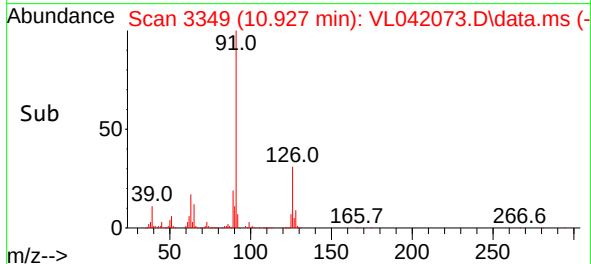
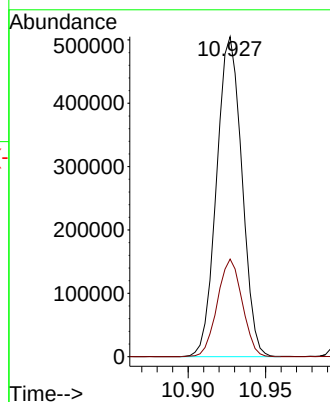
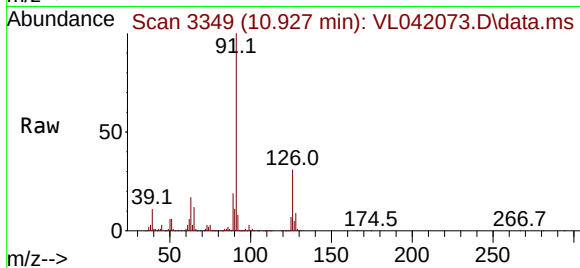




#71
2-Chlorotoluene
Concen: 10.091 ppbv
RT: 10.927 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

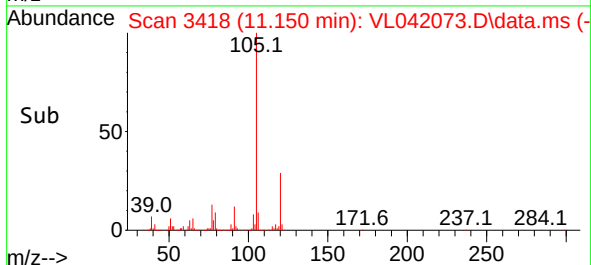
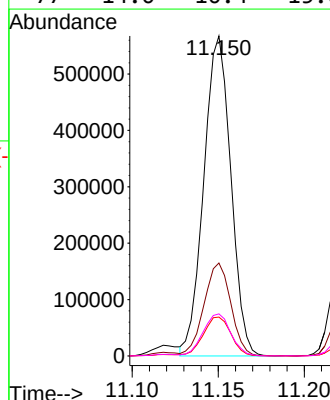
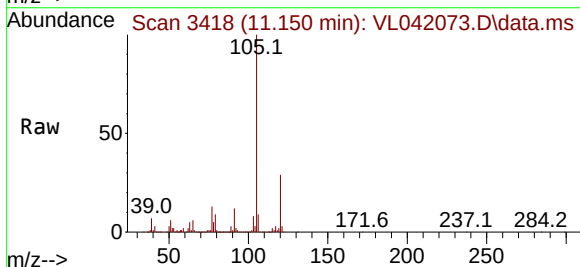
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

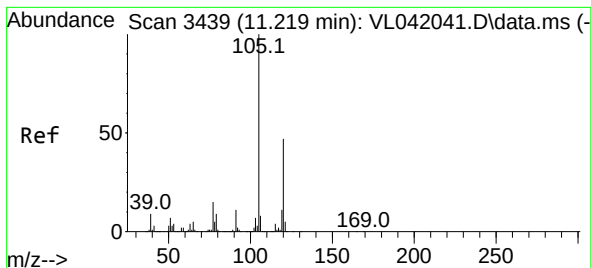
Tgt Ion: 91 Resp: 574014
Ion Ratio Lower Upper
91 100
126 29.9 11.9 47.5



#72
4-Ethyltoluene
Concen: 10.321 ppbv
RT: 11.150 min Scan# 3418
Delta R.T. 0.010 min
Lab File: VL042073.D
Acq: 27 Feb 2025 14:51

Tgt Ion:105 Resp: 620874
Ion Ratio Lower Upper
105 100
120 29.9 24.1 36.1
91 12.9 10.2 15.4
77 14.0 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 10.040 ppbv

RT: 11.228 min Scan# 3442

Delta R.T. 0.010 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

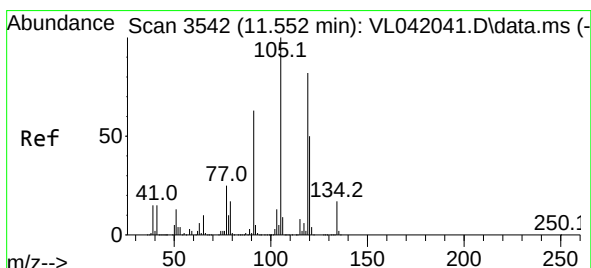
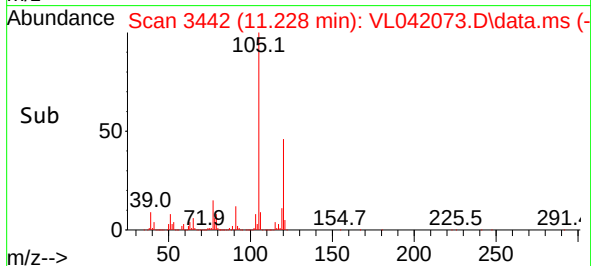
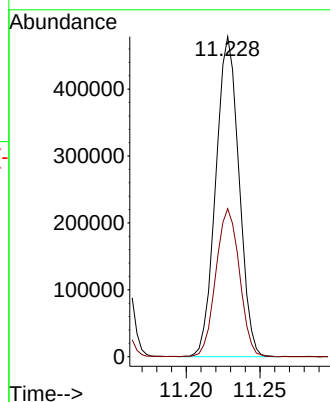
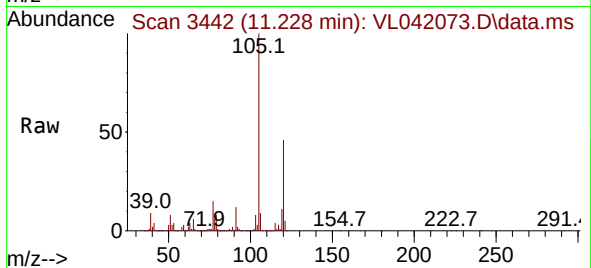
VSTDCCC010EC

Tgt Ion:105 Resp: 523892

Ion Ratio Lower Upper

105 100

120 46.3 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 9.839 ppbv

RT: 11.561 min Scan# 3545

Delta R.T. 0.010 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Tgt Ion:105 Resp: 578142

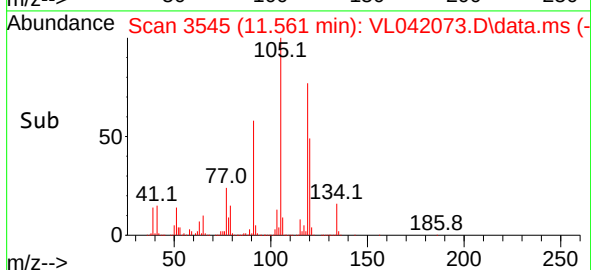
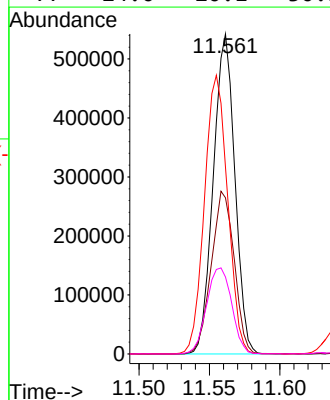
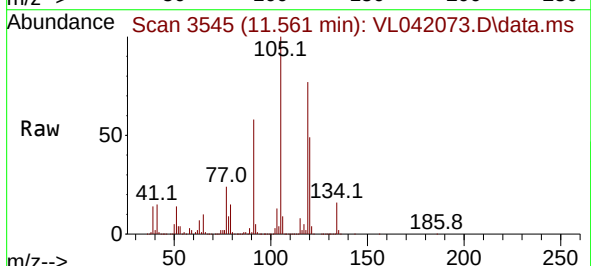
Ion Ratio Lower Upper

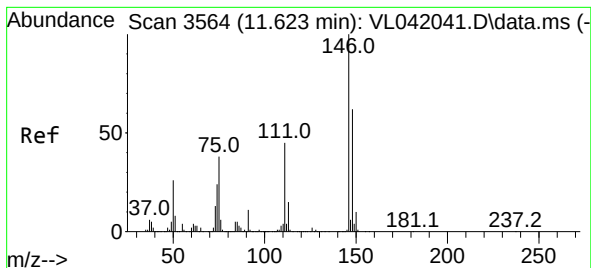
105 100

120 48.8 40.2 60.2

91 58.3 51.4 77.2

77 24.0 20.1 30.1





#75

1,3-Dichlorobenzene

Concen: 10.040 ppbv

RT: 11.633 min Scan# 3564

Delta R.T. 0.010 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

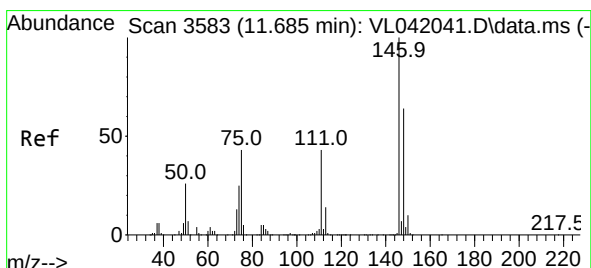
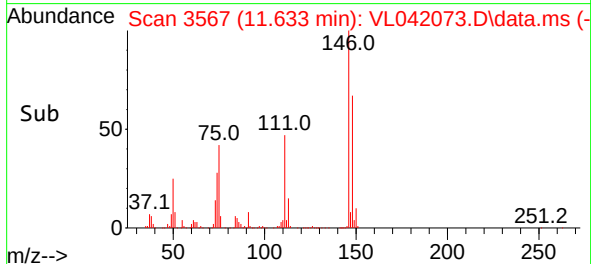
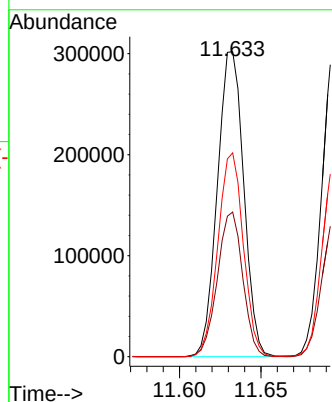
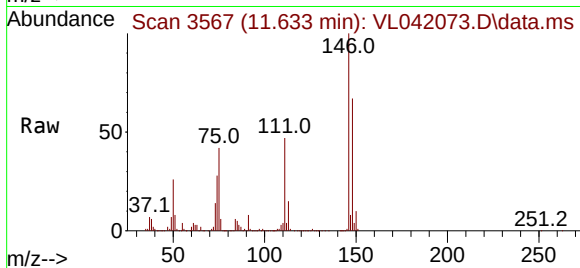
Tgt Ion:146 Resp: 339518

Ion Ratio Lower Upper

146 100

111 45.6 22.4 67.2

148 64.5 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 10.145 ppbv

RT: 11.697 min Scan# 3587

Delta R.T. 0.013 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

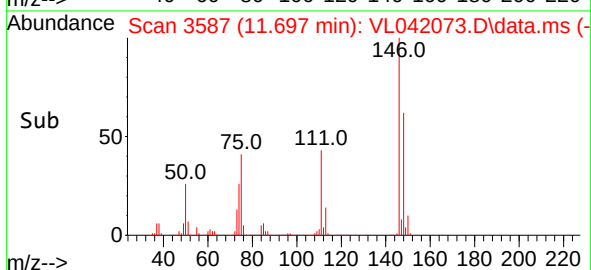
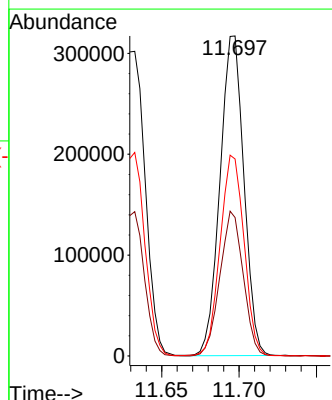
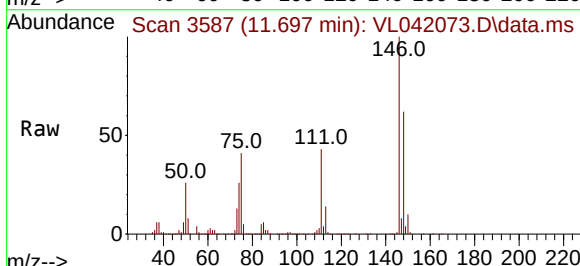
Tgt Ion:146 Resp: 340610

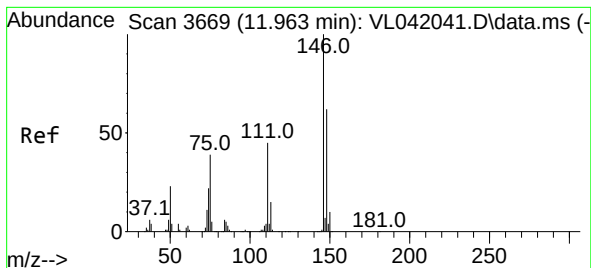
Ion Ratio Lower Upper

146 100

111 44.1 21.5 64.5

148 62.9 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 10.133 ppbv

RT: 11.969 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

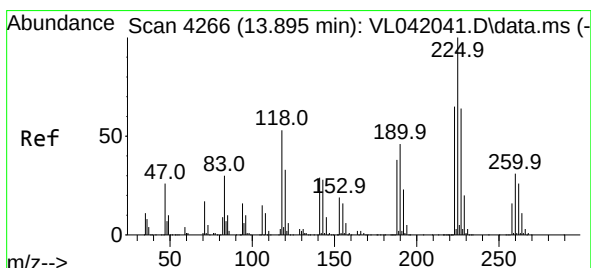
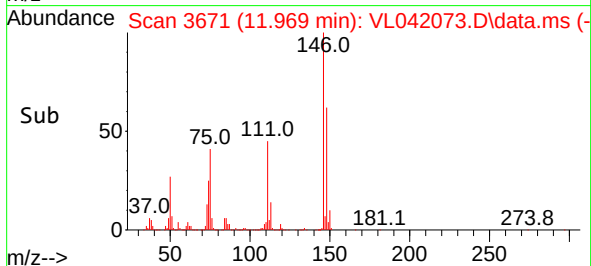
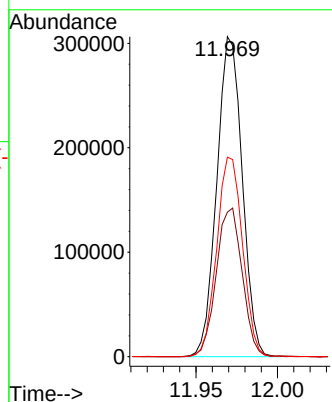
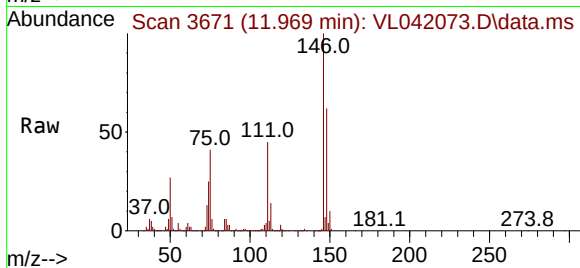
Tgt Ion:146 Resp: 332526

Ion Ratio Lower Upper

146 100

111 47.5 23.2 69.6

148 63.3 31.4 94.2



#78

Hexachloro-1,3-Butadiene

Concen: 9.100 ppbv

RT: 13.902 min Scan# 4268

Delta R.T. 0.006 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

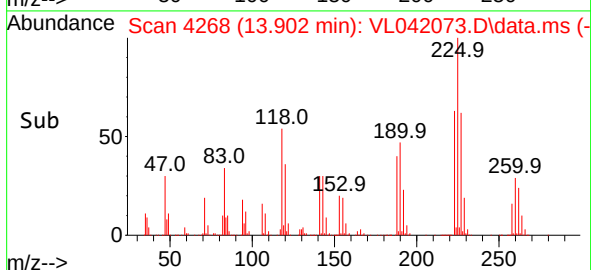
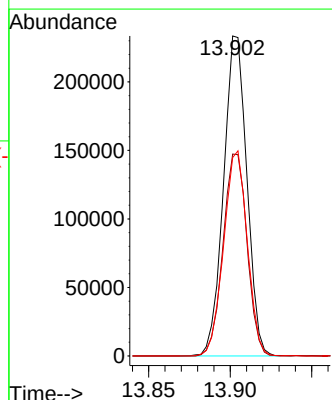
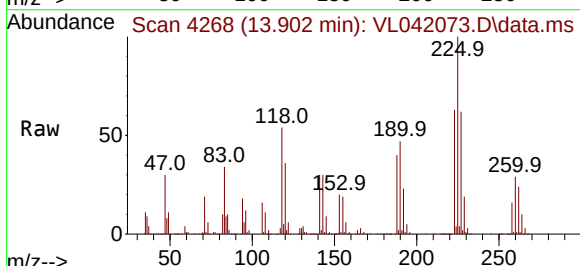
Tgt Ion:225 Resp: 232369

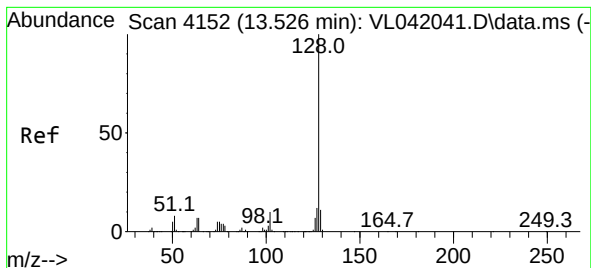
Ion Ratio Lower Upper

225 100

223 64.9 50.2 75.2

227 64.8 50.8 76.2





#79

Naphthalene

Concen: 13.151 ppbv

RT: 13.536 min Scan# 4155

Delta R.T. 0.010 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

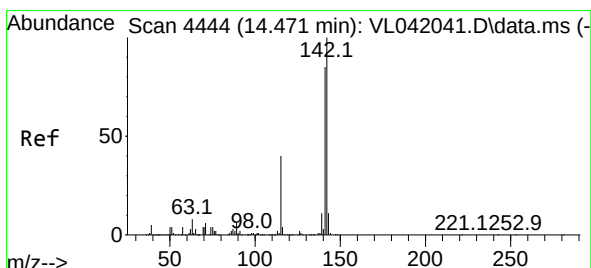
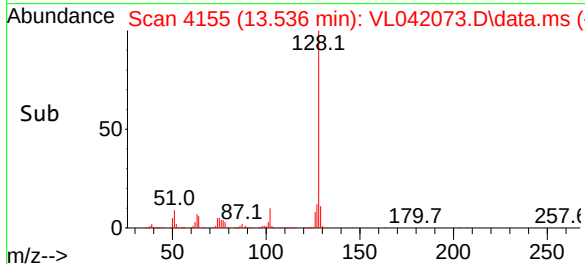
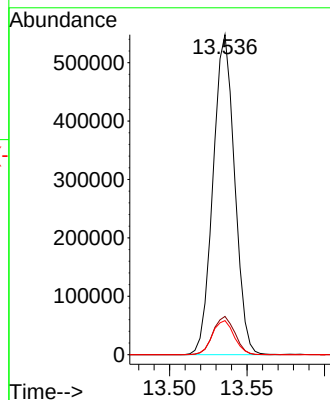
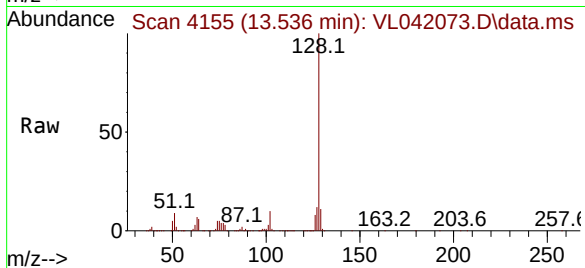
Tgt Ion:128 Resp: 529861

Ion Ratio Lower Upper

128 100

127 12.0 9.8 14.6

129 10.7 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 16.828 ppbv

RT: 14.481 min Scan# 4447

Delta R.T. 0.010 min

Lab File: VL042073.D

Acq: 27 Feb 2025 14:51

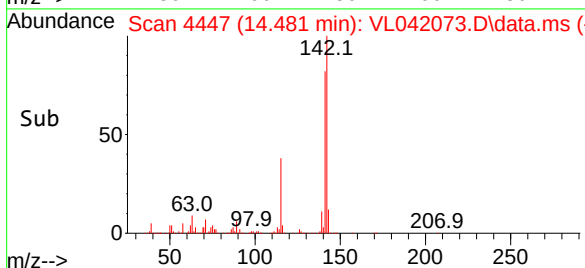
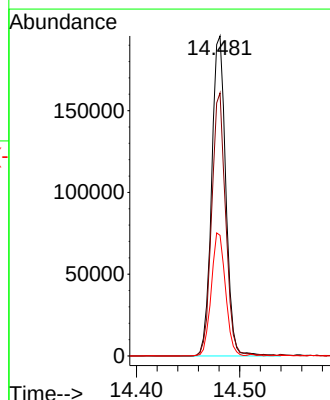
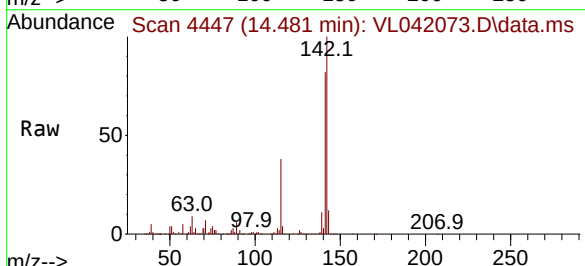
Tgt Ion:142 Resp: 185542

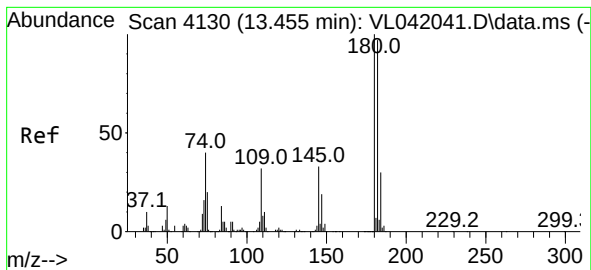
Ion Ratio Lower Upper

142 100

141 81.3 65.8 98.6

115 39.5 29.5 44.3





#81

1,2,4-Trichlorobenzene

Concen: 10.696 ppbv

RT: 13.461 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042073.D

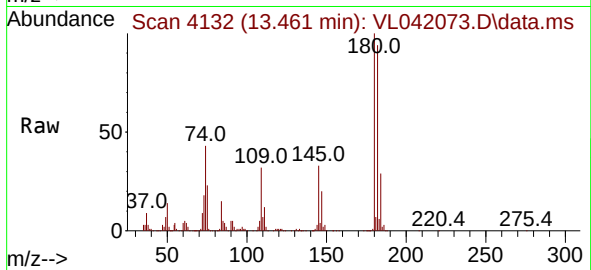
Acq: 27 Feb 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 240157

Ion Ratio Lower Upper

180 100

182 95.5 75.1 112.7

184 30.9 23.8 35.6

