Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	160999	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	427051	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	377910	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	289049	9.273	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	35122	1.267	ppbv	95
3) Chlorodifluoromethane	1.483	51	49423	1.613	ppbv	94
4) Chloromethane	1.538	50	12833	1.192	ppbv #	87
5) Vinyl Chloride	1.586	62	11611	0.902	ppbv	97
6) Bromomethane	1.674	94	5996	1.201	ppbv	97
7) Chloroethane	1.712	64	5014	1.195	ppbv	90
8) Dichlorotetrafluoroethane	1.560	85	29028	1.191	ppbv	99
9) Propene	1.489	41	20484	1.551	ppbv	95
10) Heptane	5.004	43	63098	1.720	ppbv	94
11) Trichlorofluoromethane	1.884	101	36041	1.292	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.149	101	27846	1.280	ppbv	90
13) Ethanol	1.729	45	1291	0.866	ppbv	91
14) Bromoethene	1.790	108	9642	1.187	ppbv	93
15) Acetone	1.842	43	30058	1.131	ppbv	100
16) 1,3-Butadiene	1.615	39	13471	1.069	ppbv	100
17) tert-Butyl alcohol	2.052	59	38684	1.176	ppbv	96
18) 1,1-Dichloroethene	2.043	96	12417	1.195	ppbv	93
19) Isopropyl Alcohol	1.894	45	17927	1.203	ppbv	96
20) Methylene Chloride	2.072	84	10587	1.058	ppbv #	80
21) Allyl Chloride	2.107	41	20564	1.069	ppbv	96
22) trans-1,2-Dichloroethene	2.350	96	14475	1.283	ppbv	81
23) Vinyl Acetate	2.473	43	22394	1.556	ppbv #	94
24) 1,1-Dichloroethane	2.421	63	27804	1.214	ppbv	99
25) Ethyl Acetate	2.852	43	121593	1.667	ppbv	100
26) Hexane	2.839	57	48912	1.671	ppbv	98
27) Carbon Disulfide	2.159	76	33222	1.207	ppbv #	57
28) Methyl tert-Butyl Ether	2.457	73	26968	1.507	ppbv	100
29) Chloroform	2.865	83	63463	1.497	ppbv	92
30) Cyclohexane	3.878	84	40420	1.702	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	46690	1.614	ppbv	96
32) 1,1,1-Trichloroethane	3.386	97	62586	1.331	ppbv	97
34) 2-Butanone	2.573	43	69370	1.888	ppbv	96
35) Carbon Tetrachloride	3.784	117	61895	1.493	ppbv	97
36) Benzene	3.677	78	94277	1.822	ppbv	98
37) 1,2-Dichloroethane	3.237	62	51050	1.734	ppbv	99
38) Trichloroethene	4.574	130	38184	1.817	ppbv	99
39) 1,2-Dichloropropane	4.341	63	35396	1.866	ppbv	95
40) 1,4-Dioxane	4.622	88	15442	1.565	ppbv #	28
41) Tetrahydrofuran	3.075	42	40365	1.922	ppbv	96
42) Bromodichloromethane	4.512	83	69154	1.733	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration

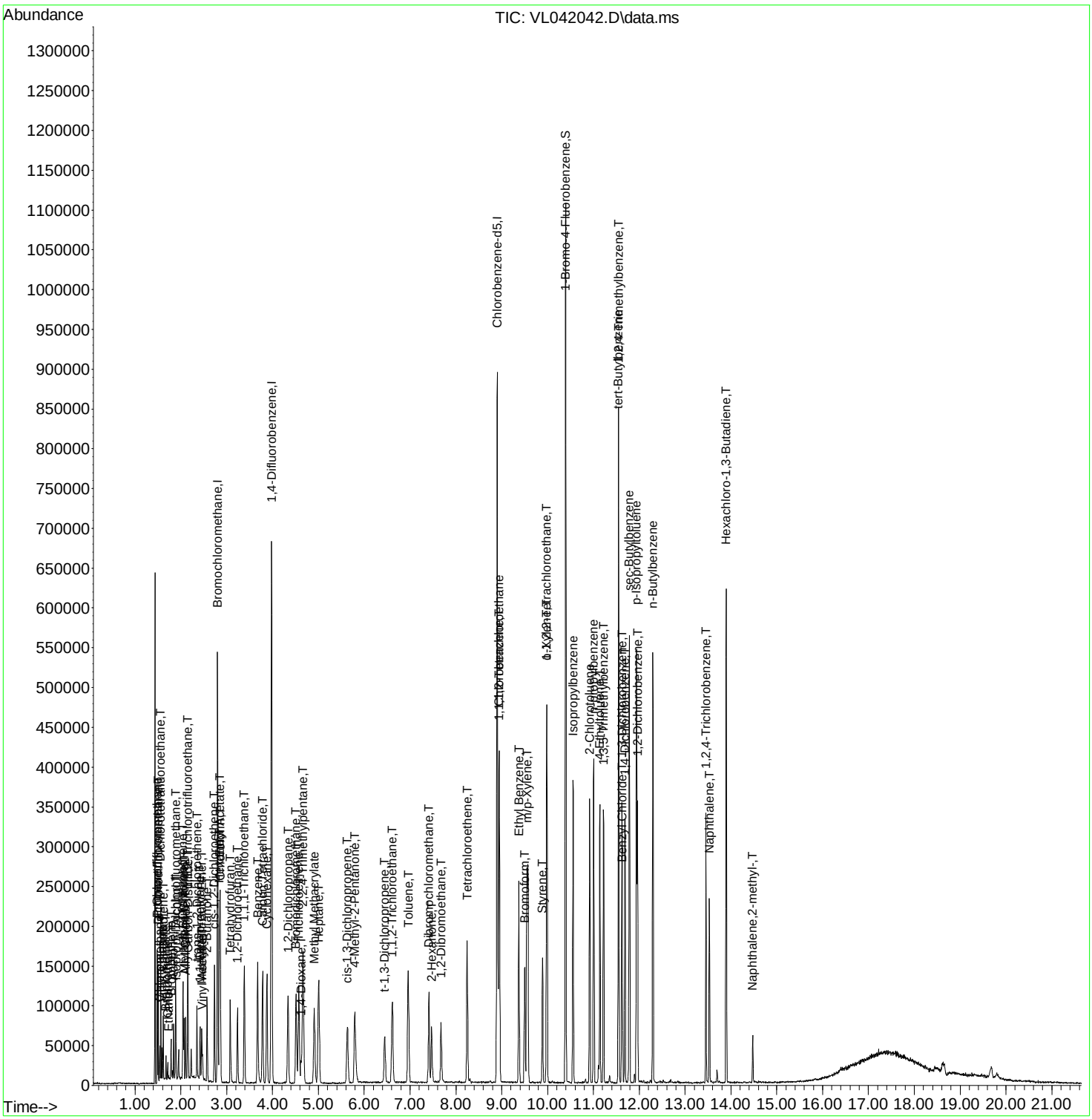
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Methyl Methacrylate	4.910	69	36393	1.543	ppbv		94
44) 2,2,4-Trimethylpentane	4.664	57	166945	1.901	ppbv		97
45) t-1,3-Dichloropropene	6.448	75	35707	1.604	ppbv		93
46) cis-1,3-Dichloropropene	5.632	75	46835	1.658	ppbv		93
47) 1,1,2-Trichloroethane	6.613	97	36368	1.822	ppbv		93
48) Dibromochloromethane	7.412	129	56931	1.703	ppbv		99
49) Bromoform	9.503	173	50259	1.833	ppbv		99
50) 4-Methyl-2-Pentanone	5.797	43	83246	1.474	ppbv		99
51) 2-Hexanone	7.470	43	51926	1.124	ppbv	#	94
52) Tetrachloroethene	8.244	164	32874	1.822	ppbv		95
53) Toluene	6.962	91	109646	1.779	ppbv		98
54) 1,2-Dibromoethane	7.678	107	50010	1.820	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.946	131	44947	1.662	ppbv		98
57) Chlorobenzene	8.943	112	84749	1.906	ppbv		95
58) Ethyl Benzene	9.374	91	149185	1.804	ppbv		99
59) m/p-Xylene	9.548	91	115500	1.773	ppbv	#	20
60) o-Xylene	9.982	91	119170	1.809	ppbv		97
61) Styrene	9.888	104	55798	1.776	ppbv		96
62) Isopropylbenzene	10.555	105	181311	1.833	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.982	83	77911	1.833	ppbv		96
64) n-propylbenzene	11.005	120	47764	1.965	ppbv		92
65) tert-Butylbenzene	11.545	119	167973	1.948	ppbv		96
66) Benzyl Chloride	11.630	91	12304	1.423	ppbv	#	98
67) sec-Butylbenzene	11.782	105	240504	1.986	ppbv		99
69) p-Isopropyltoluene	11.940	119	194660	1.963	ppbv		99
70) n-Butylbenzene	12.296	91	194416	1.991	ppbv		99
71) 2-Chlorotoluene	10.917	91	140068	1.880	ppbv		98
72) 4-Ethyltoluene	11.141	105	150038	1.944	ppbv		98
73) 1,3,5-Trimethylbenzene	11.218	105	128202	1.925	ppbv		99
74) 1,2,4-Trimethylbenzene	11.549	105	150380	2.104	ppbv	#	88
75) 1,3-Dichlorobenzene	11.623	146	81884	2.129	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	82560	2.201	ppbv		97
77) 1,2-Dichlorobenzene	11.963	146	80367	2.186	ppbv		96
78) Hexachloro-1,3-Butadiene	13.895	225	63815	2.098	ppbv		99
79) Naphthalene	13.526	128	102197	1.454	ppbv		98
80) Naphthalene,2-methyl-	14.475	142	18104	0.569	ppbv		94
81) 1,2,4-Trichlorobenzene	13.455	180	57798	2.023	ppbv		98

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

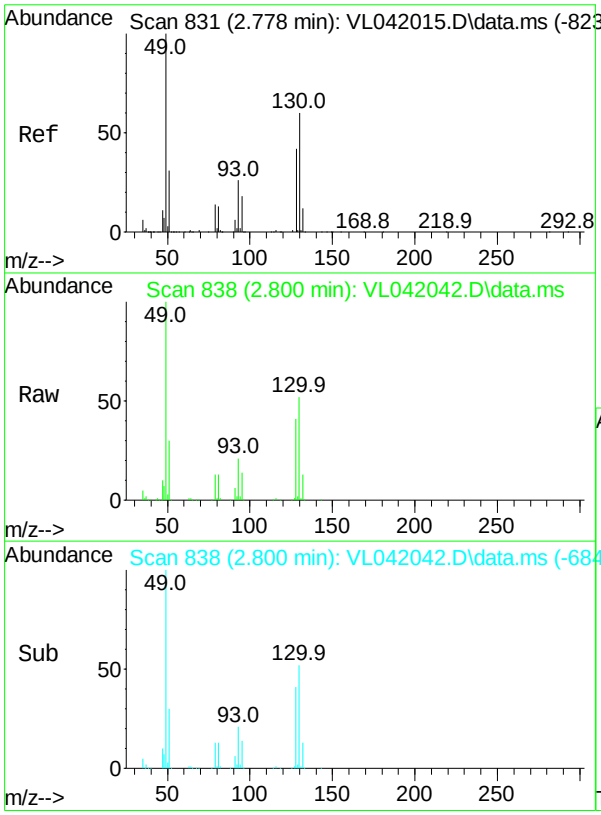
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Feb 25 10:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Feb 18 00:13:37 2025
Response via : Initial Calibration



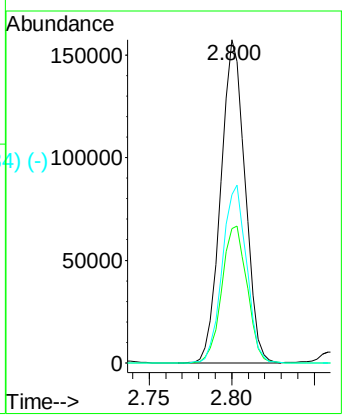
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

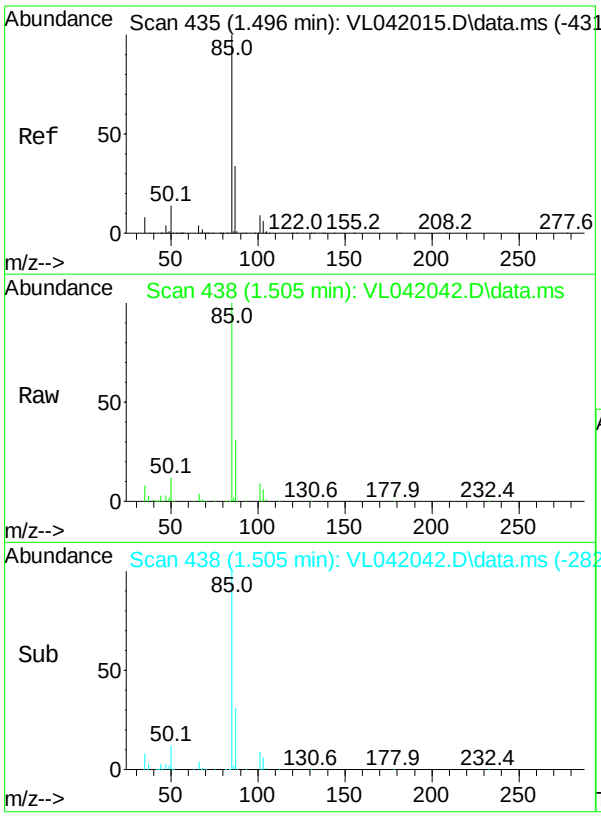


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 49 Resp: 160999

Ion	Ratio	Lower	Upper
49	100		
128	44.0	22.7	68.0
130	54.7	29.9	89.8

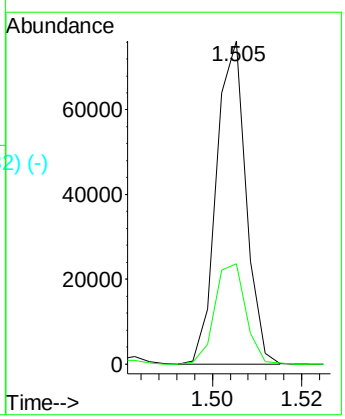




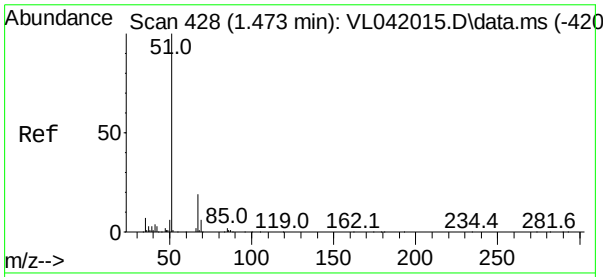
#2
Dichlorodifluoromethane
Concen: 1.267 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 85 Resp: 35122

Ion	Ratio	Lower	Upper
85	100		
87	31.0	26.9	40.3



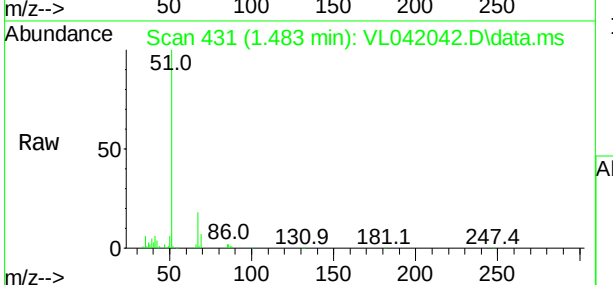
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

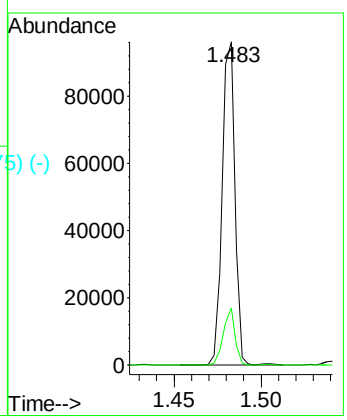


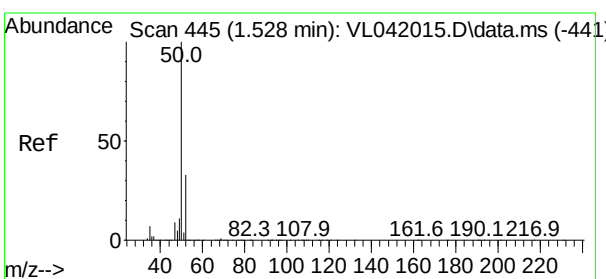
#3
Chlorodifluoromethane
Concen: 1.613 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 51 Resp: 49423

Ion	Ratio	Lower	Upper
51	100		
67	16.1	15.0	22.6



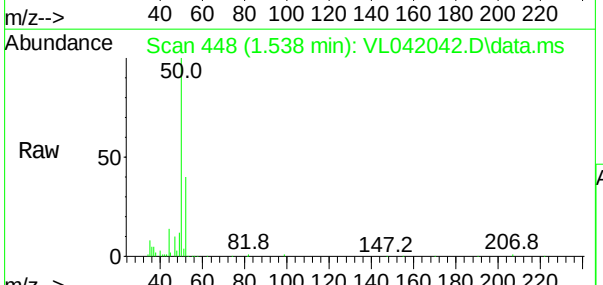


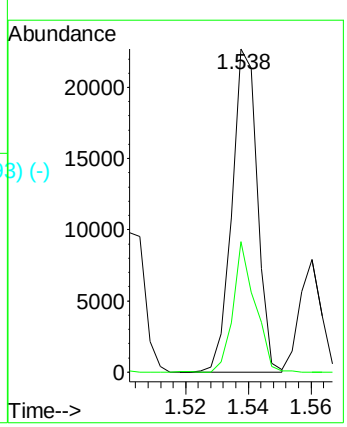


#4
Chloromethane
Concen: 1.192 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

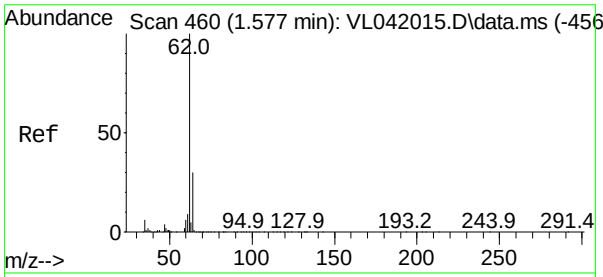
Tgt Ion: 50 Resp: 12833

Ion	Ratio	Lower	Upper
50	100		
52	40.2	26.2	39.2#





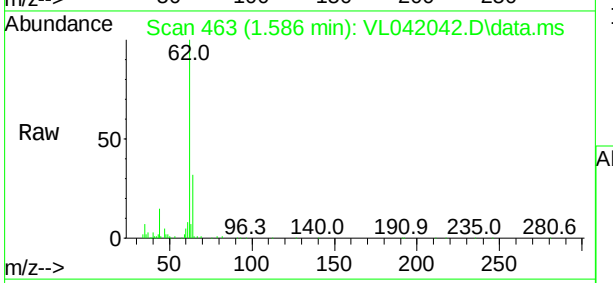
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

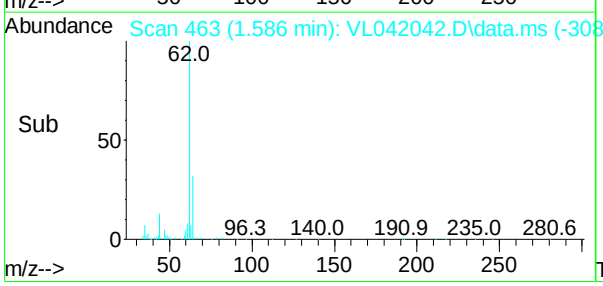


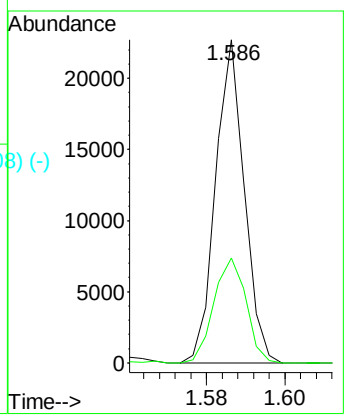
#5
Vinyl Chloride
Concen: 0.902 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

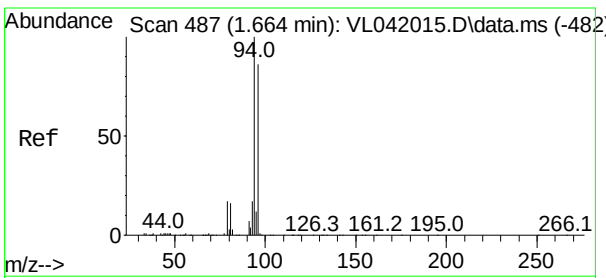
Tgt Ion: 62 Resp: 11611

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.4	36.6





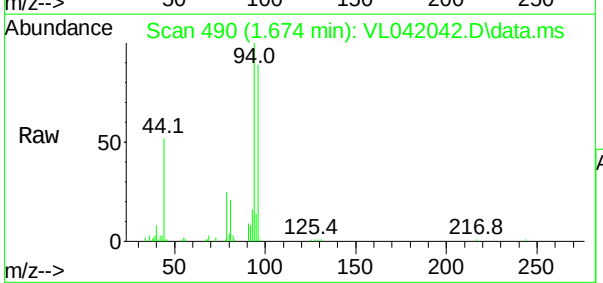


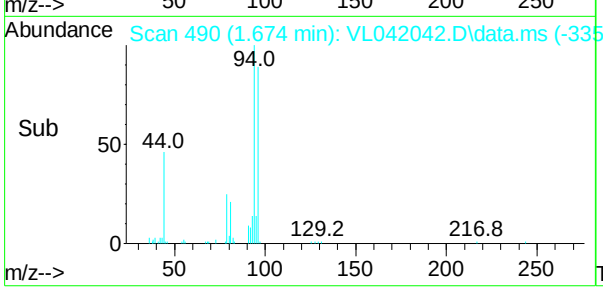


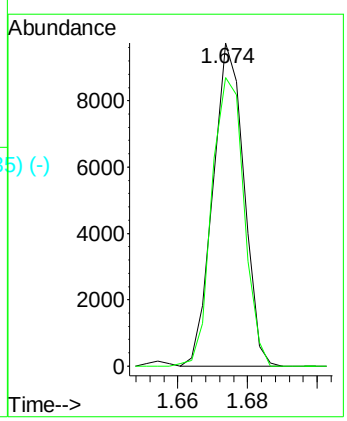
#6
Bromomethane
Concen: 1.201 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 94 Resp: 5996

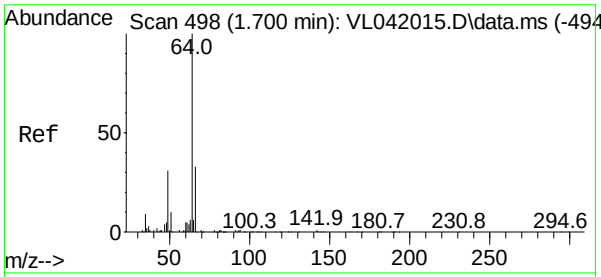
Ion	Ratio	Lower	Upper
94	100		
96	89.3	69.0	103.6







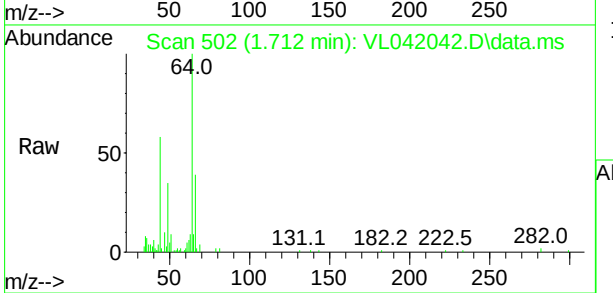
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

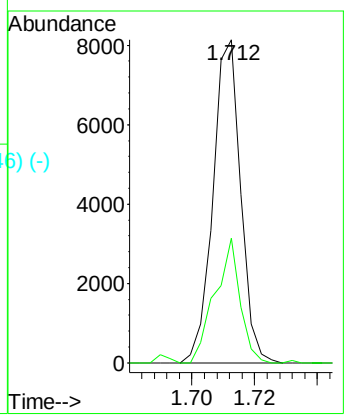


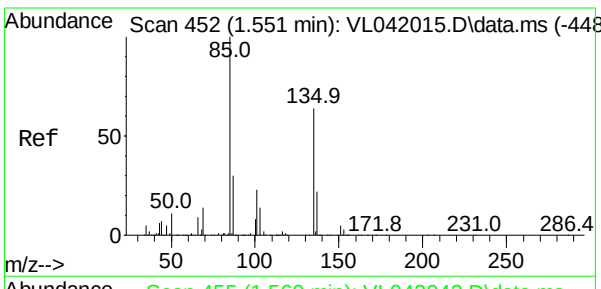
#7
Chloroethane
Concen: 1.195 ppbv
RT: 1.712 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 64 Resp: 5014

Ion	Ratio	Lower	Upper
64	100		
66	38.7	26.5	39.7



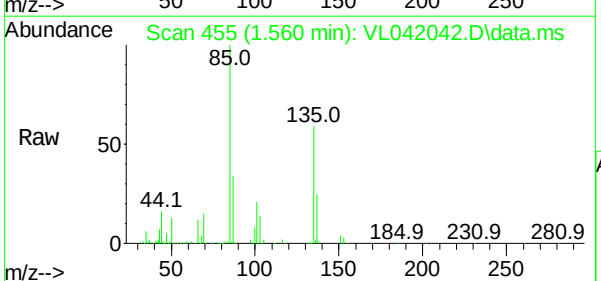


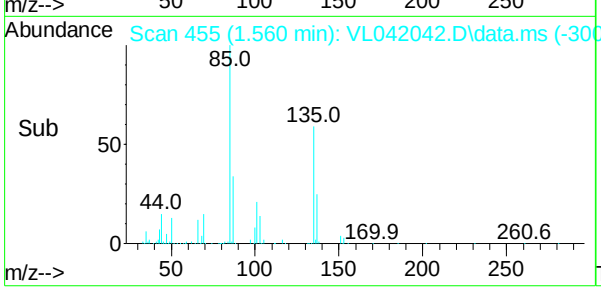


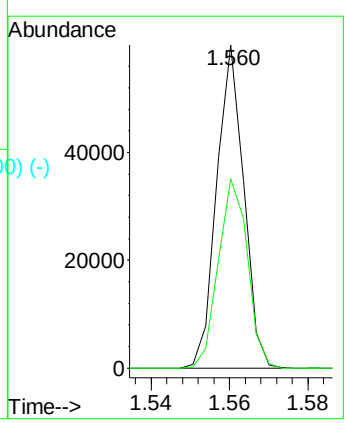
#8
Dichlorotetrafluoroethane
Concen: 1.191 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 85 Resp: 29028

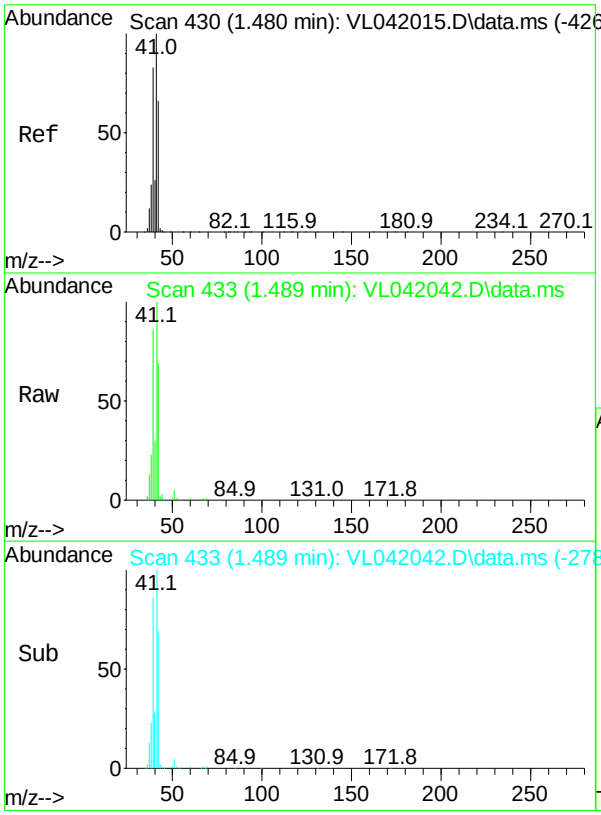
Ion	Ratio	Lower	Upper
85	100		
135	63.1	50.9	76.3







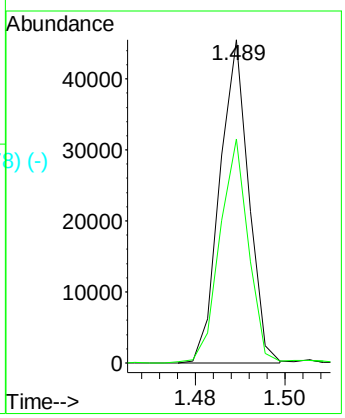
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

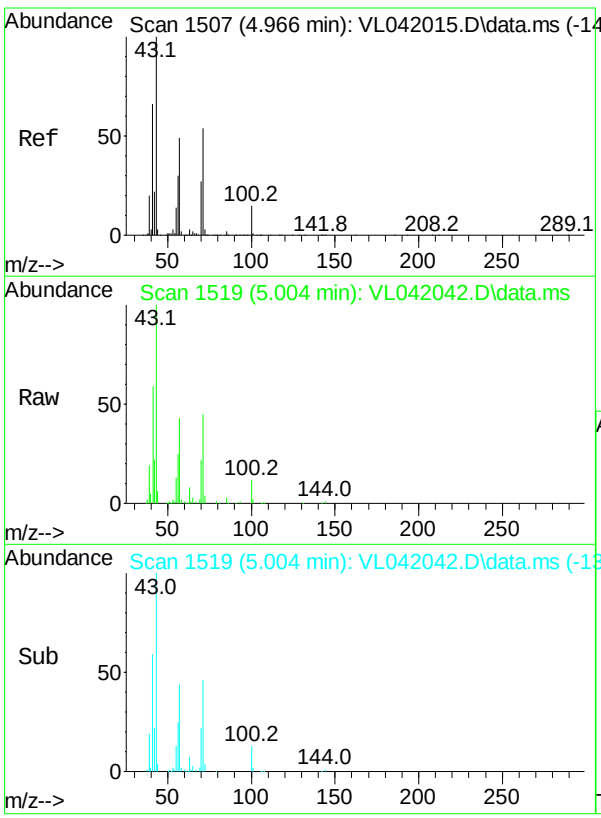


#9
Propene
Concen: 1.551 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 41 Resp: 20484

Ion	Ratio	Lower	Upper
41	100		
42	70.7	53.5	80.3

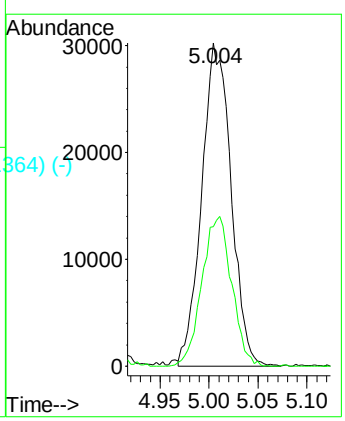




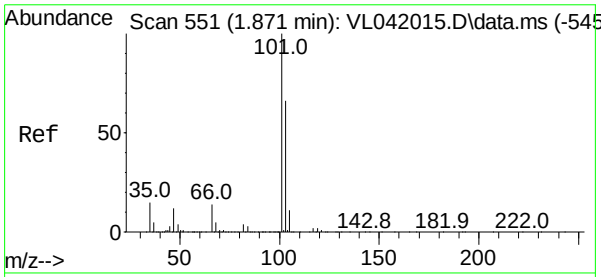
#10
Heptane
Concen: 1.720 ppbv
RT: 5.004 min Scan# 1519
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 63098

Ion	Ratio	Lower	Upper
43	100		
57	47.0	41.0	61.6



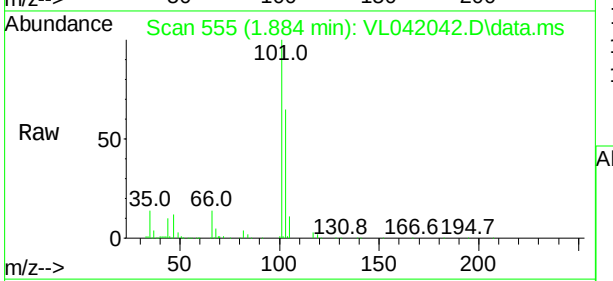
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

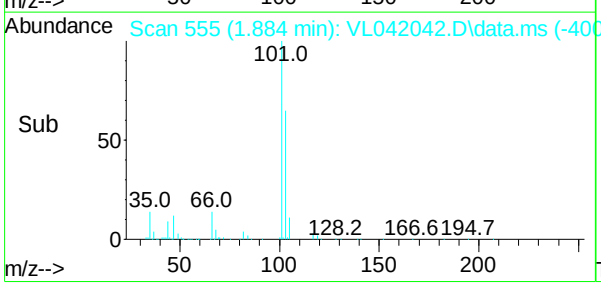


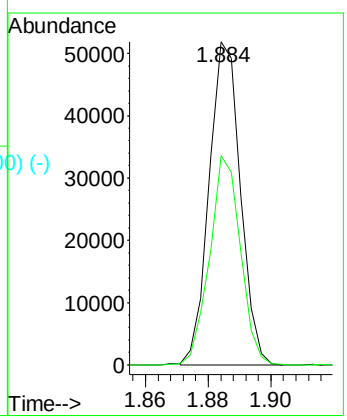
#11
Trichlorofluoromethane
Concen: 1.292 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

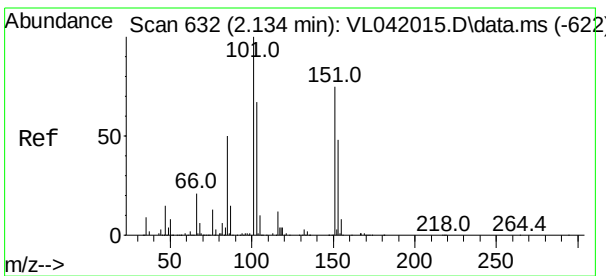
Tgt Ion:101 Resp: 36041

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.9	79.3





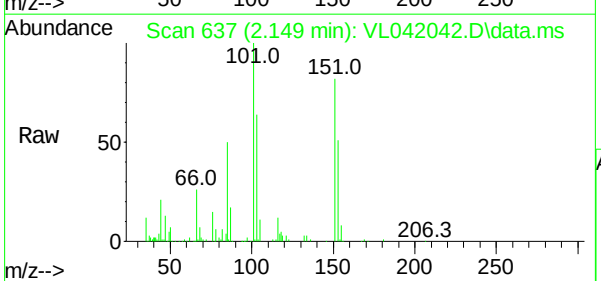


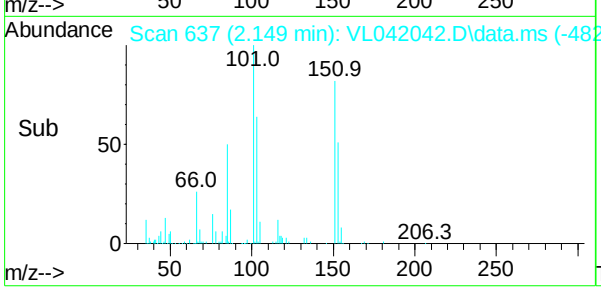


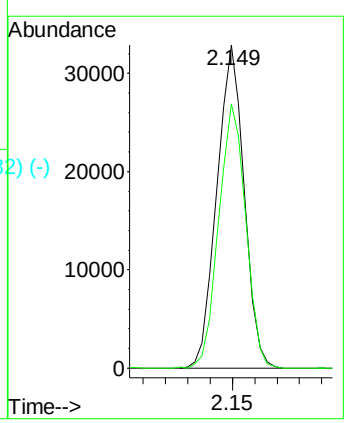
#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.280 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:101 Resp: 27846

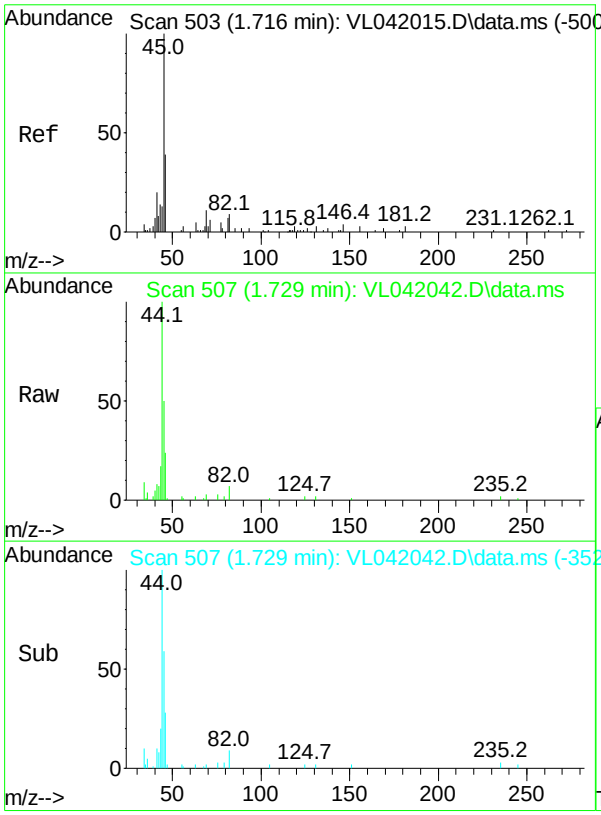
Ion	Ratio	Lower	Upper
101	100		
151	81.3	58.2	87.2







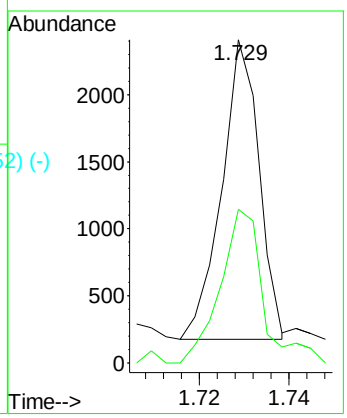
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

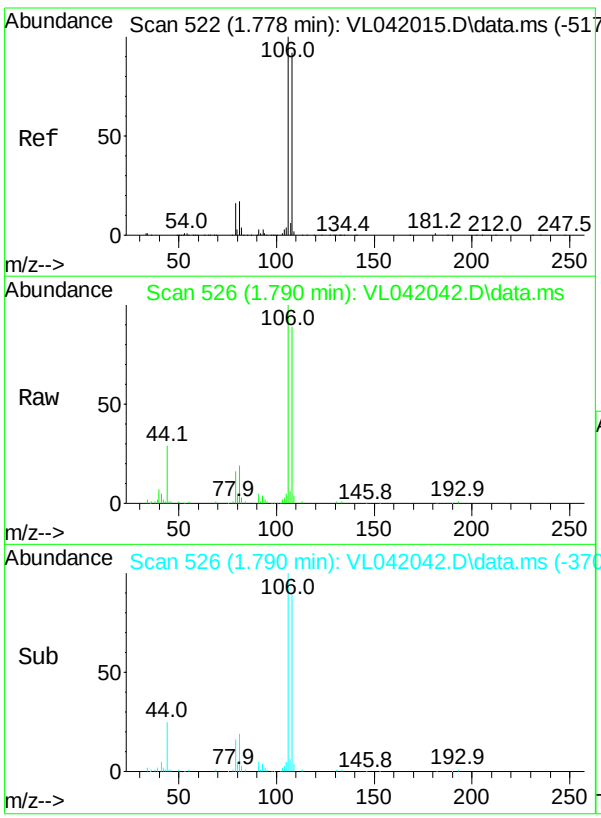


#13
Ethanol
Concen: 0.866 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 45 Resp: 1291

Ion	Ratio	Lower	Upper
45	100		
46	59.8	21.3	85.1

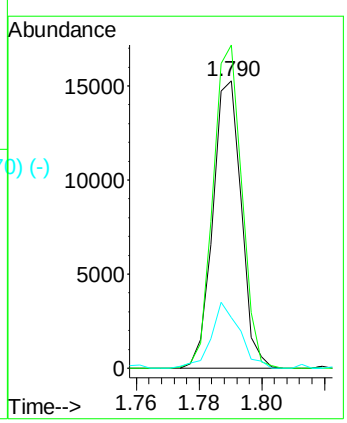




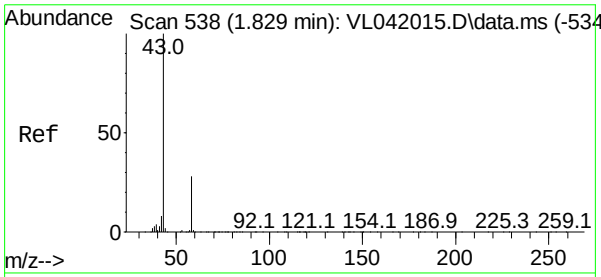
#14
Bromoethene
Concen: 1.187 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:108 Resp: 9642

Ion	Ratio	Lower	Upper
108	100		
106	114.2	85.0	127.6
79	23.8	17.3	25.9



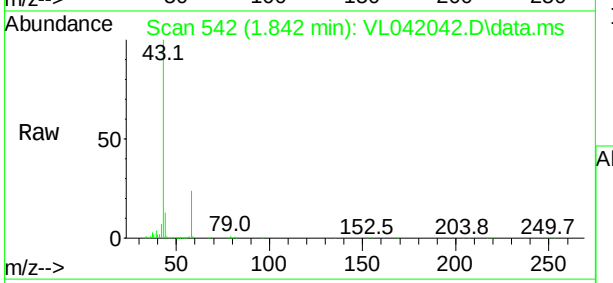
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

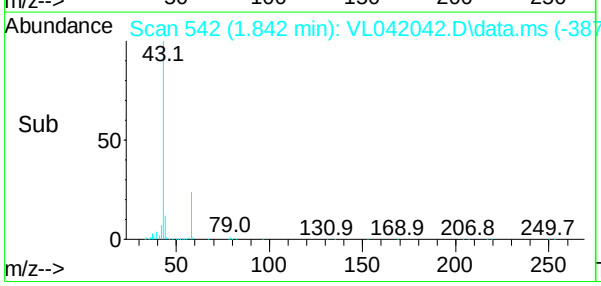


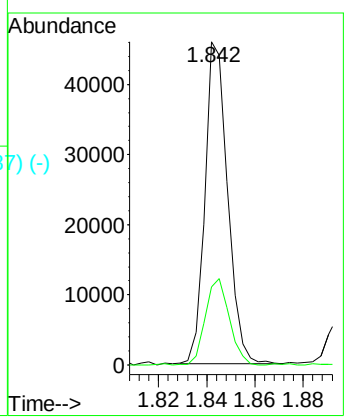
#15
Acetone
Concen: 1.131 ppbv
RT: 1.842 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

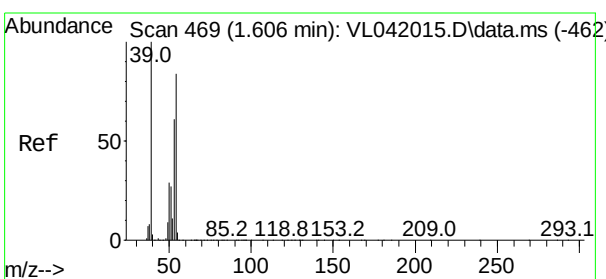
Tgt Ion: 43 Resp: 30058

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.9	34.3





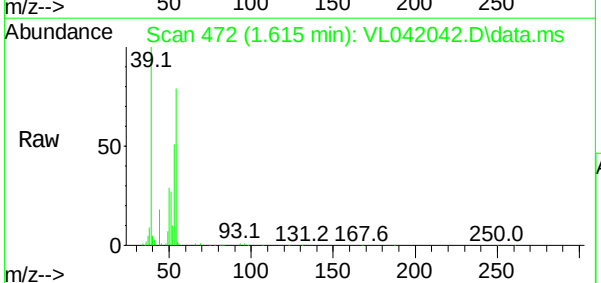


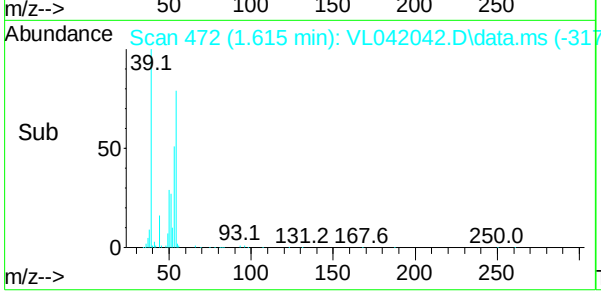


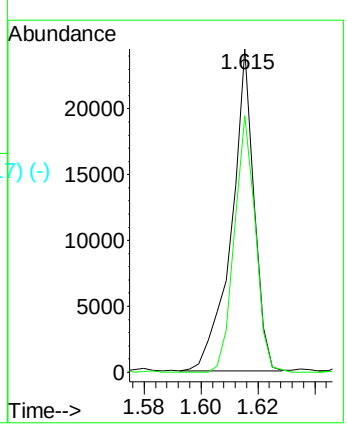
#16
1,3-Butadiene
Concen: 1.069 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 39 Resp: 13471

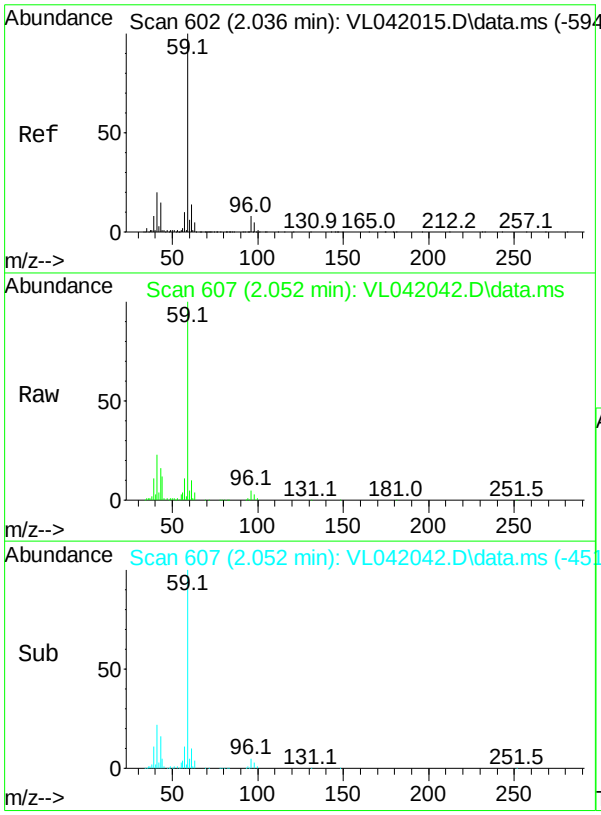
Ion	Ratio	Lower	Upper
39	100		
54	74.0	59.4	89.2







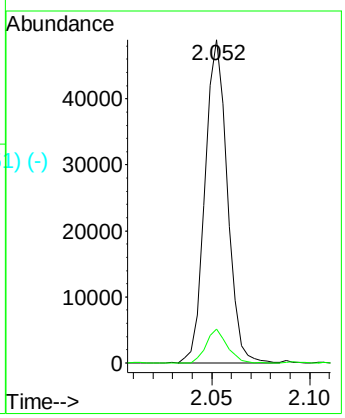
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

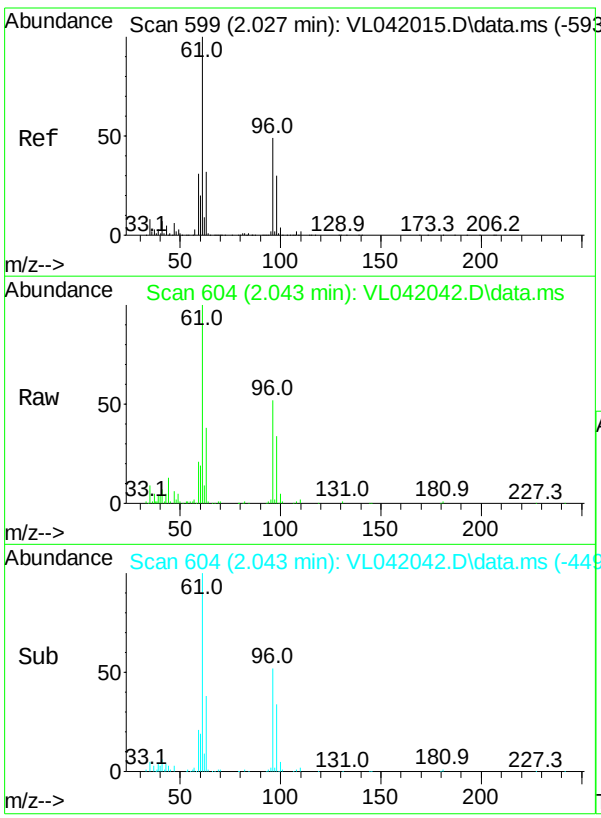


#17
tert-Butyl alcohol
Concen: 1.176 ppbv
RT: 2.052 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 59 Resp: 38684

Ion	Ratio	Lower	Upper
59	100		
57	9.9	9.2	13.8

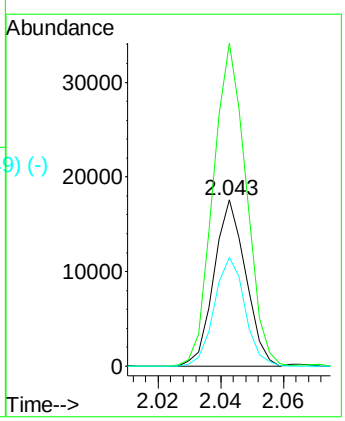




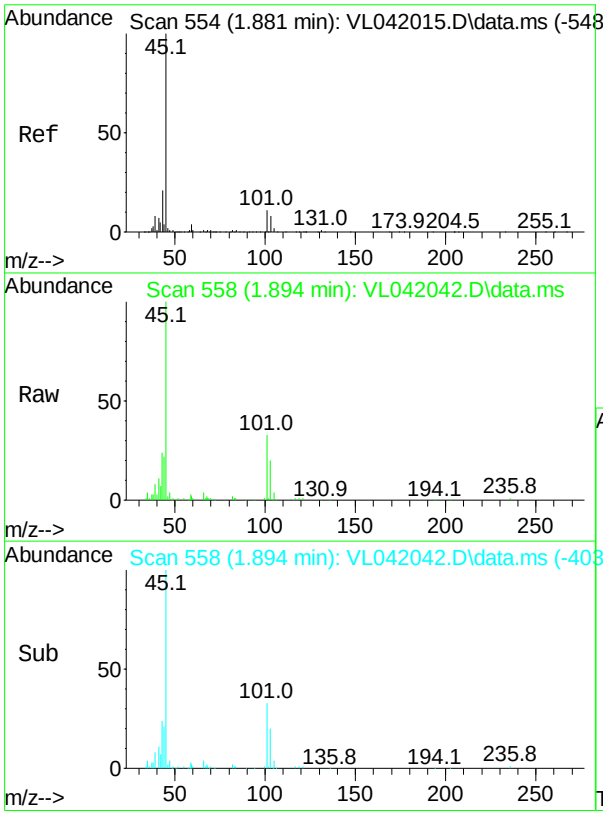
#18
1,1-Dichloroethene
Concen: 1.195 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 96 Resp: 12417

Ion	Ratio	Lower	Upper
96	100		
61	193.2	163.5	245.3
98	65.1	49.4	74.0



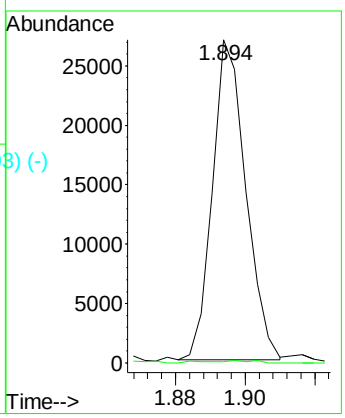
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

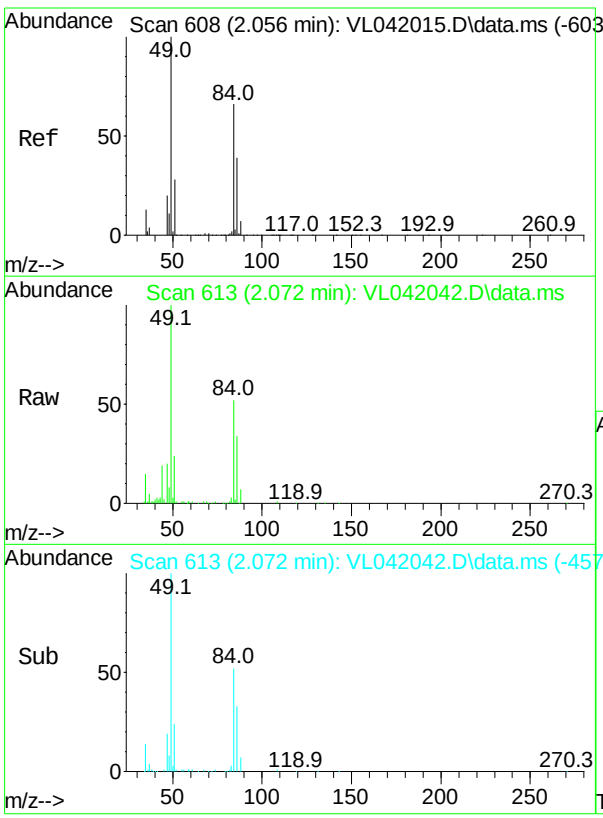


#19
Isopropyl Alcohol
Concen: 1.203 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 45 Resp: 17927

Ion	Ratio	Lower	Upper
45	100		
58	48.2	36.2	54.4

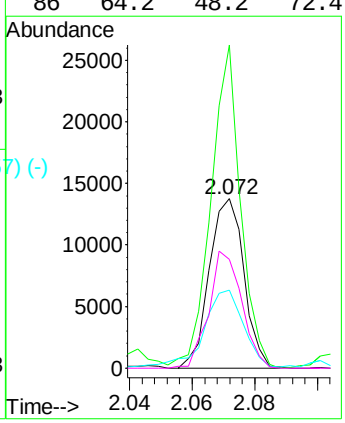




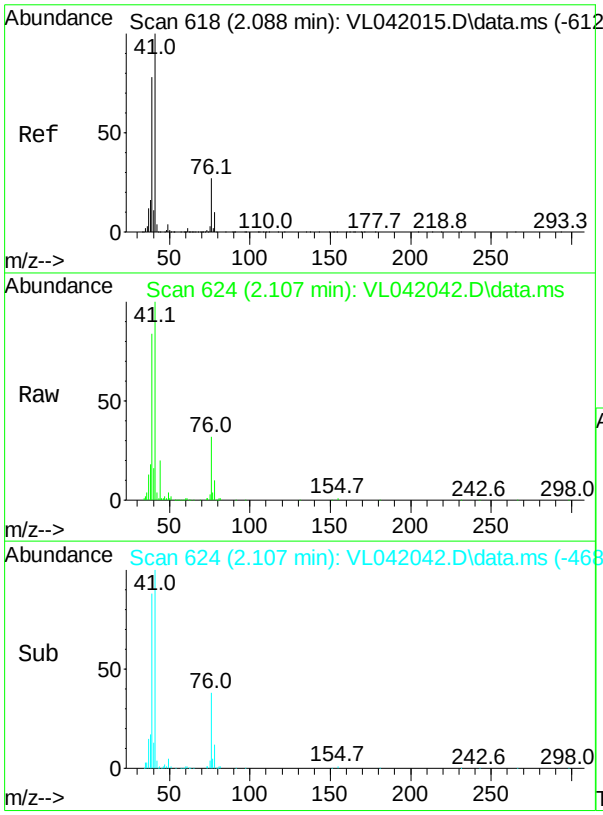
#20
Methylene Chloride
Concen: 1.058 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 84 Resp: 10587

Ion	Ratio	Lower	Upper
84	100		
49	190.7	121.0	181.4#
51	45.4	35.1	52.7
86	64.2	48.2	72.4



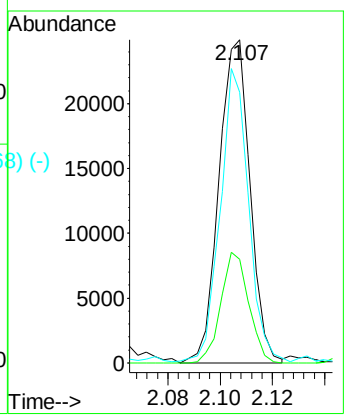
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

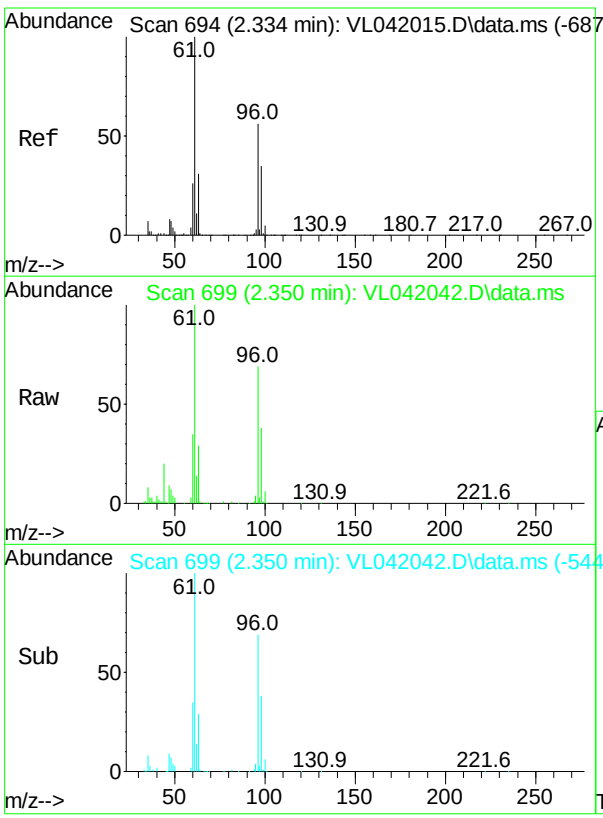


#21
Allyl Chloride
Concen: 1.069 ppbv
RT: 2.107 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 41 Resp: 20564

Ion	Ratio	Lower	Upper
41	100		
76	30.7	23.7	35.5
39	82.6	63.0	94.6

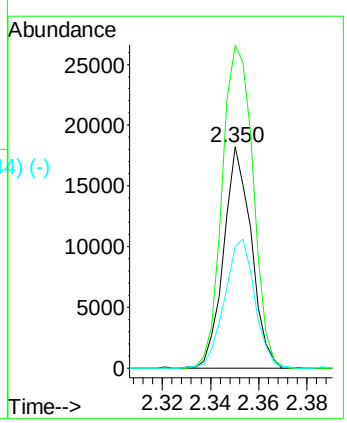




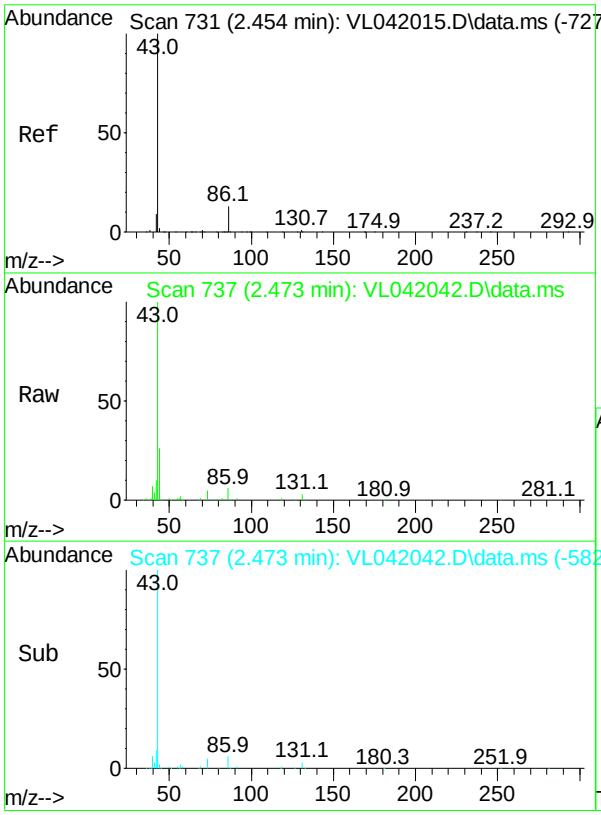
#22
trans-1,2-Dichloroethene
Concen: 1.283 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 96 Resp: 14475

Ion	Ratio	Lower	Upper
96	100		
61	145.8	142.3	213.5
98	54.9	50.2	75.2



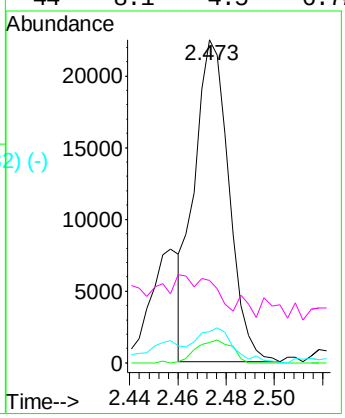
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

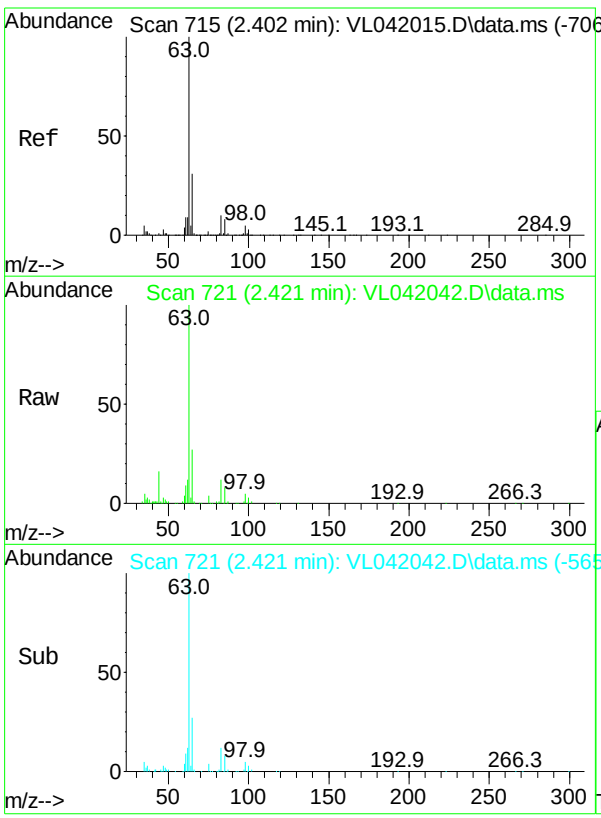


#23
Vinyl Acetate
Concen: 1.556 ppbv
RT: 2.473 min Scan#
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 22394

Ion	Ratio	Lower	Upper
43	100		
86	6.3	8.1	12.1#
42	9.4	7.5	11.3
44	8.1	4.5	6.7#

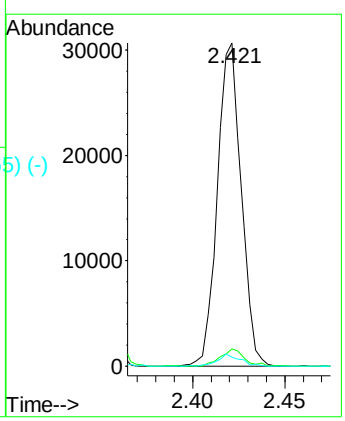




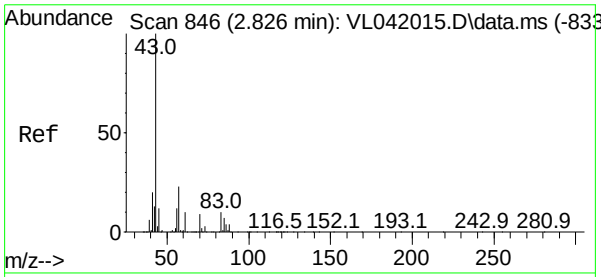
#24
1,1-Dichloroethane
Concen: 1.214 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

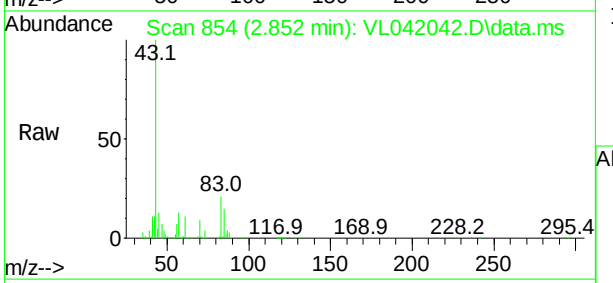
Tgt Ion: 63 Resp: 27804

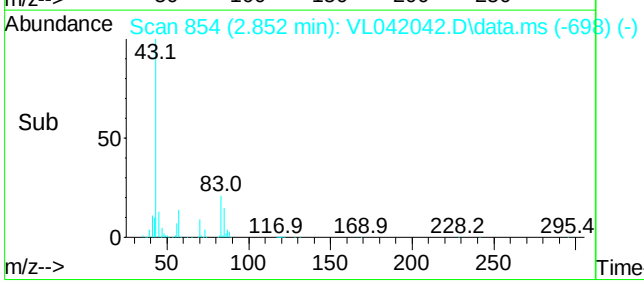
Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.4	7.2
100	2.7	1.6	4.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



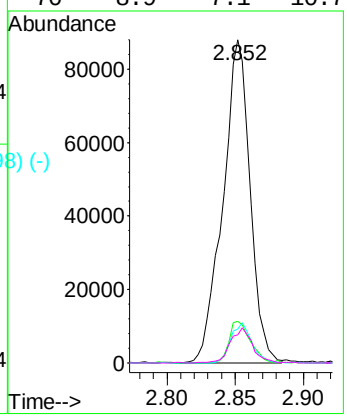


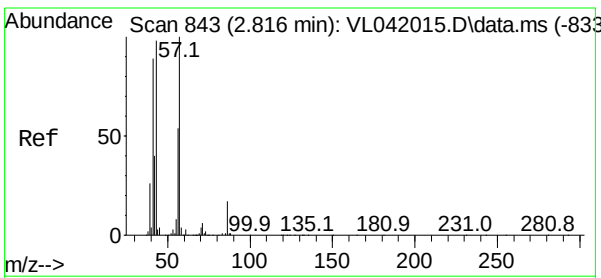


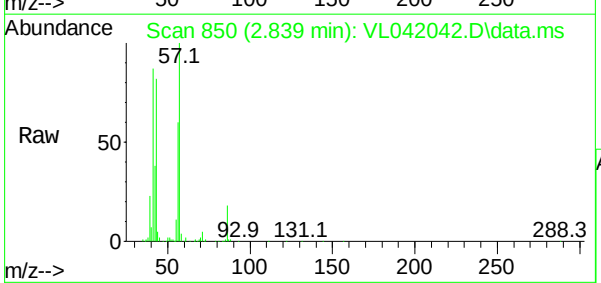
#25
Ethyl Acetate
Concen: 1.667 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

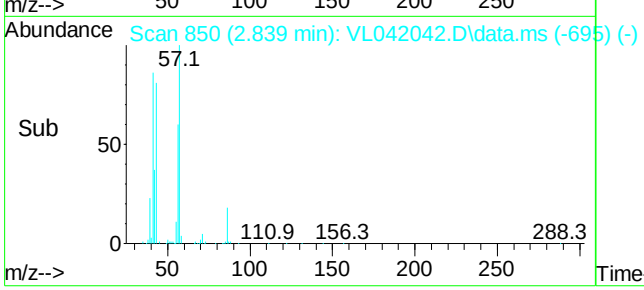
Tgt Ion: 43 Resp: 121593

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	9.6	7.5	11.3
70	8.9	7.1	10.7





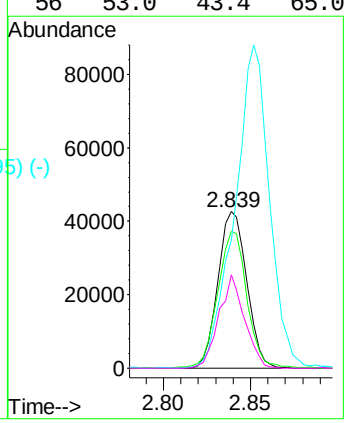




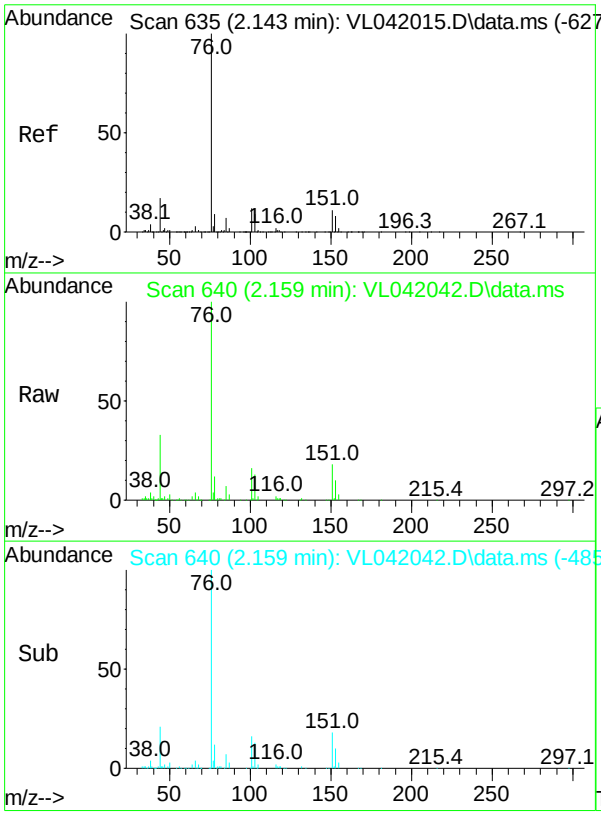
#26
Hexane
Concen: 1.671 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 57 Resp: 48912

Ion	Ratio	Lower	Upper
57	100		
41	89.0	73.2	109.8
43	249.1	200.8	301.2
56	53.0	43.4	65.0



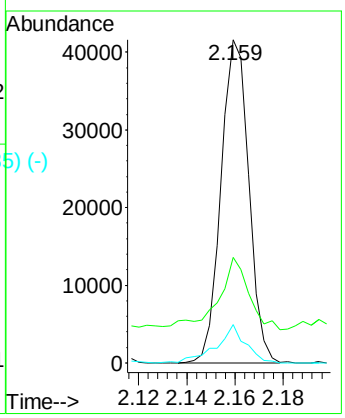
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

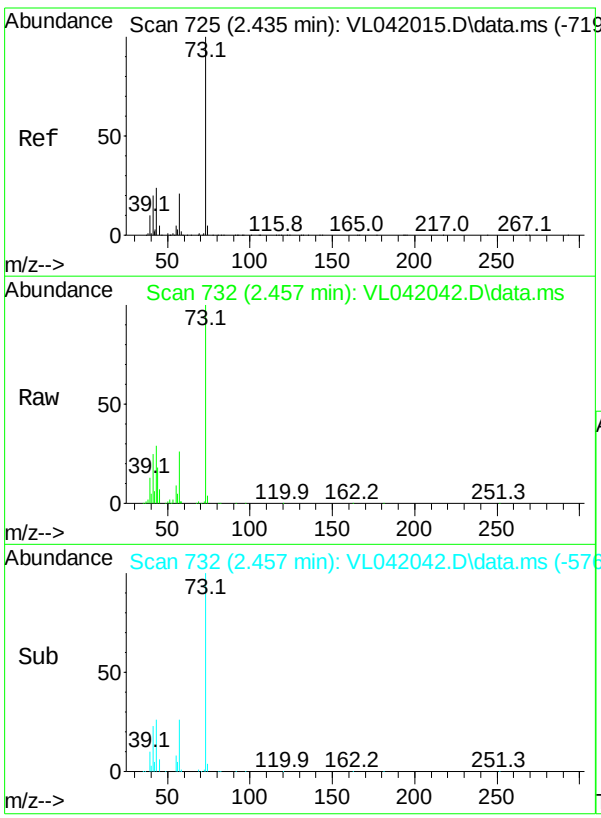


#27
Carbon Disulfide
Concen: 1.207 ppbv
RT: 2.159 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 76 Resp: 33222

Ion	Ratio	Lower	Upper
76	100		
44	53.5	18.1	27.1#
78	12.5	9.5	14.3

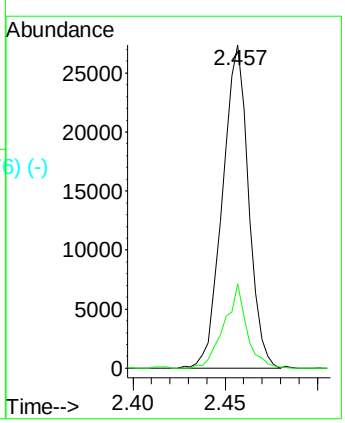




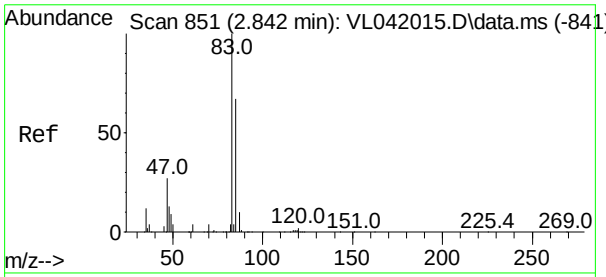
#28
Methyl tert-Butyl Ether
Concen: 1.507 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 73 Resp: 26968

Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5



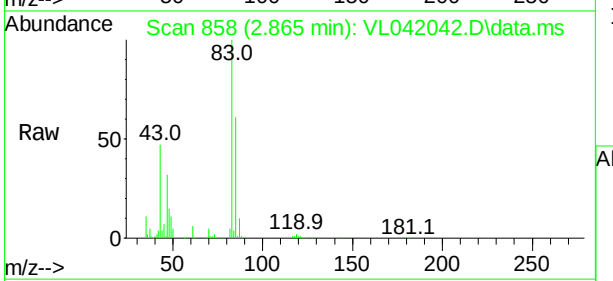
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

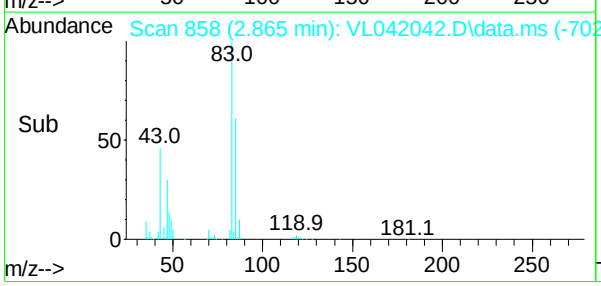


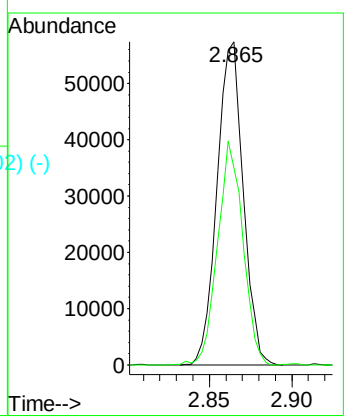
#29
Chloroform
Concen: 1.497 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

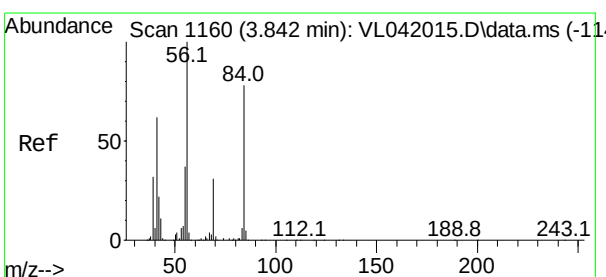
Tgt Ion: 83 Resp: 63463

Ion	Ratio	Lower	Upper
83	100		
85	60.8	53.8	80.6





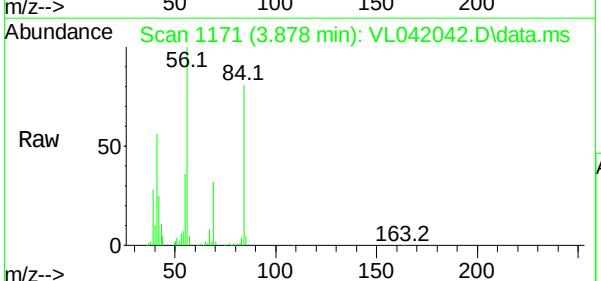


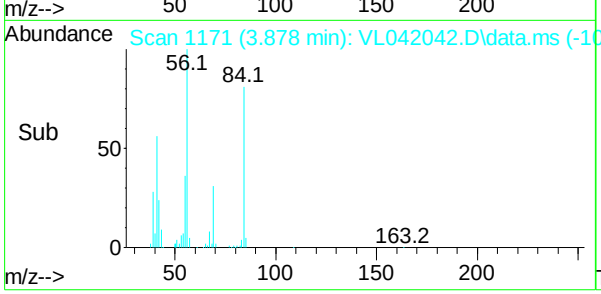


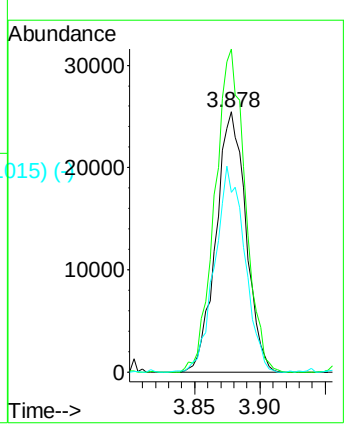
#30
Cyclohexane
Concen: 1.702 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 84 Resp: 40420

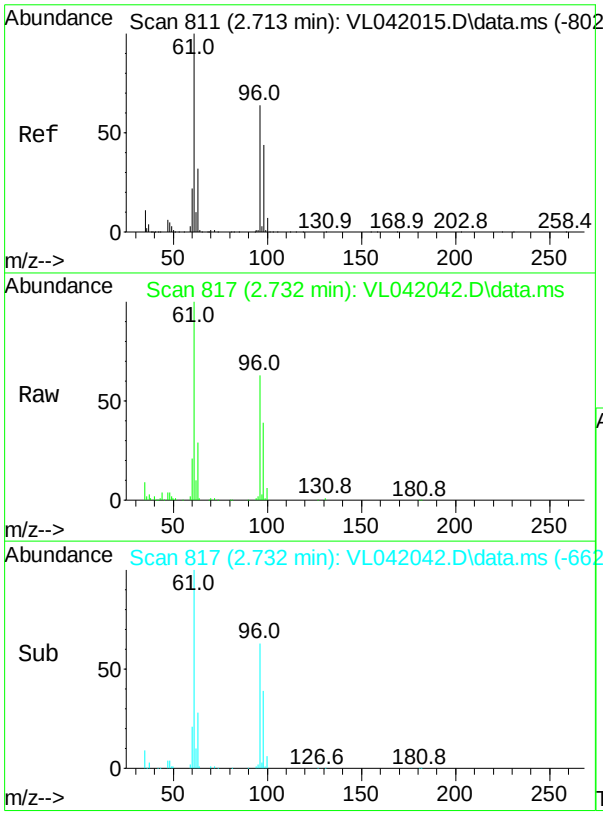
Ion	Ratio	Lower	Upper
84	100		
56	125.8	99.5	149.3
41	79.4	62.2	93.2







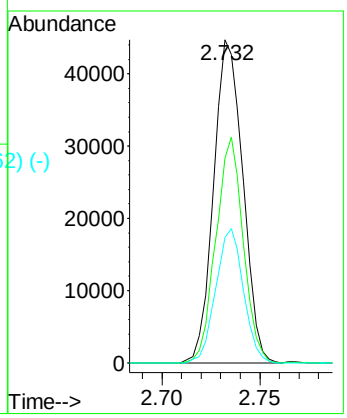
Instrument : MSVOA_L
ClientSampleId : VSTDICC002

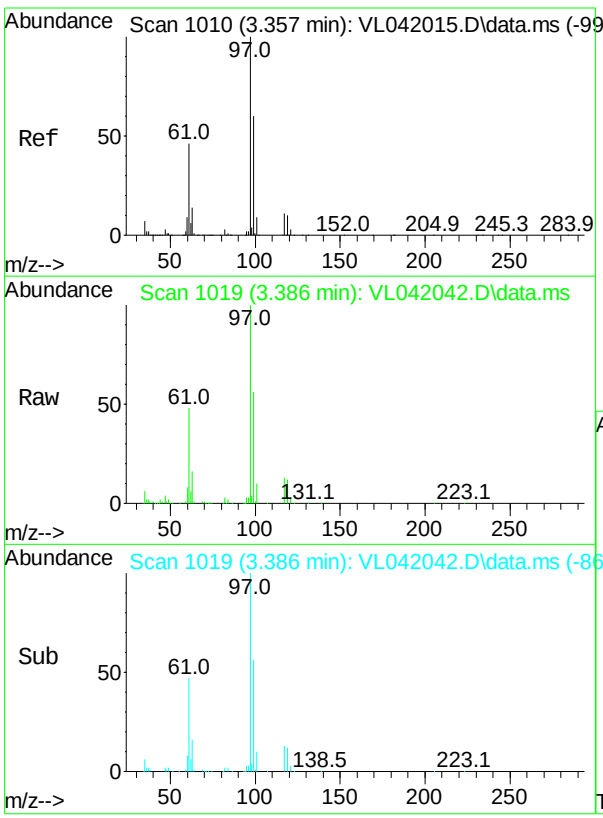


#31
cis-1,2-Dichloroethene
Concen: 1.614 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 61 Resp: 46690

Ion	Ratio	Lower	Upper
61	100		
96	63.4	51.6	77.4
98	38.9	34.8	52.2

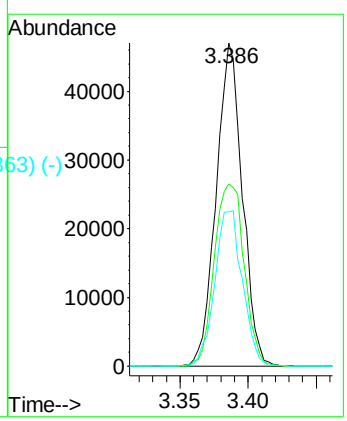




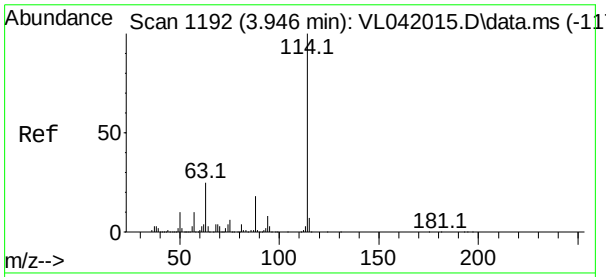
#32
1,1,1-Trichloroethane
Concen: 1.331 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 97 Resp: 62586

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	50.9	37.9	56.9



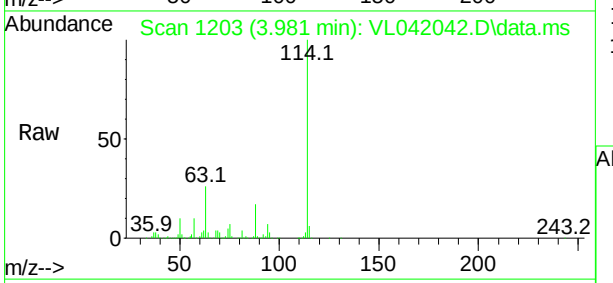
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

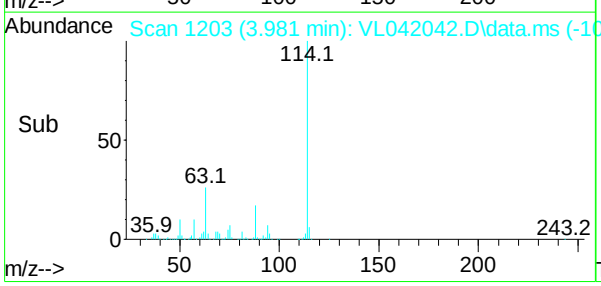


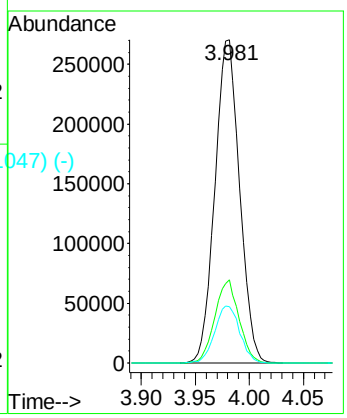
#83
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

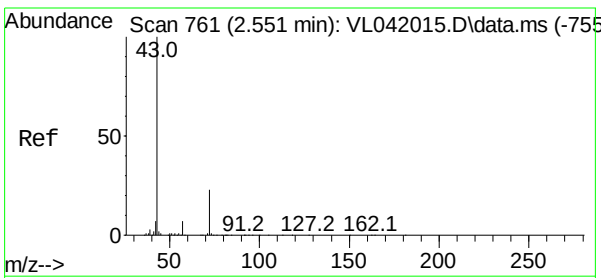
Tgt Ion:114 Resp: 427051

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.8	14.4	21.6





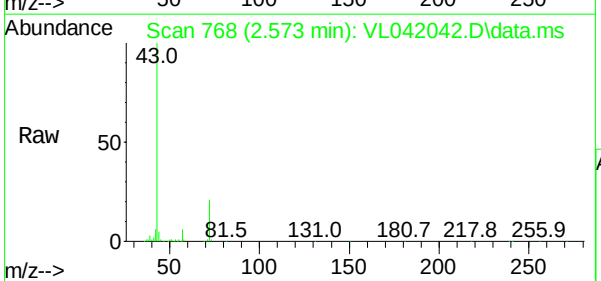


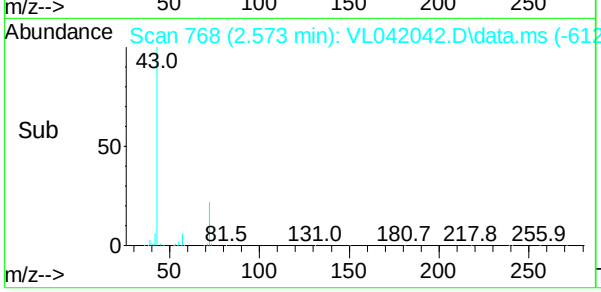


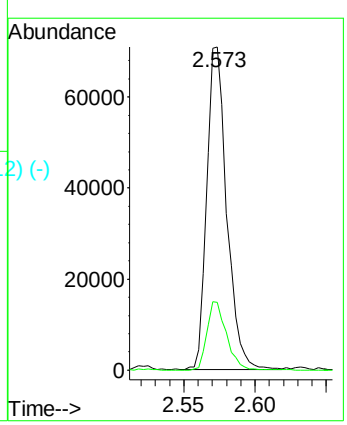
#84
2-Butanone
Concen: 1.888 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 69370

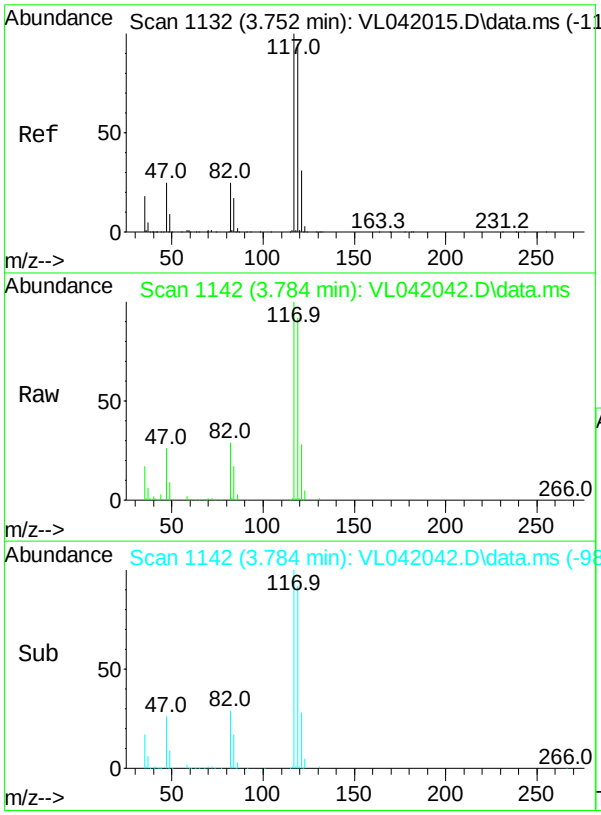
Ion	Ratio	Lower	Upper
43	100		
72	20.7	18.3	27.5







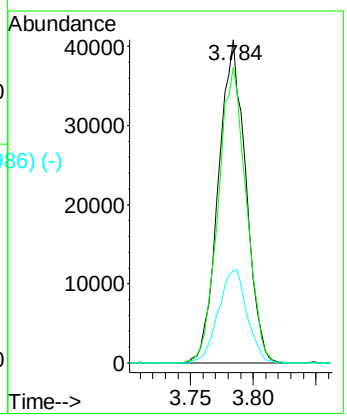
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

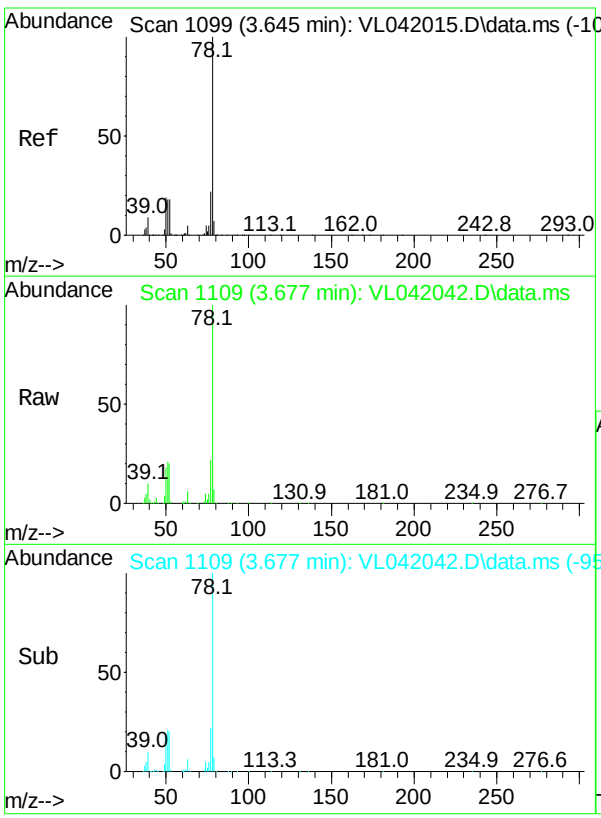


#85
Carbon Tetrachloride
Concen: 1.493 ppbv
RT: 3.784 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:117 Resp: 61895

Ion	Ratio	Lower	Upper
117	100		
119	91.5	75.8	113.6
121	28.5	24.6	36.8

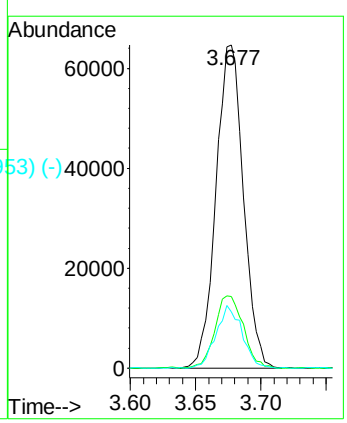




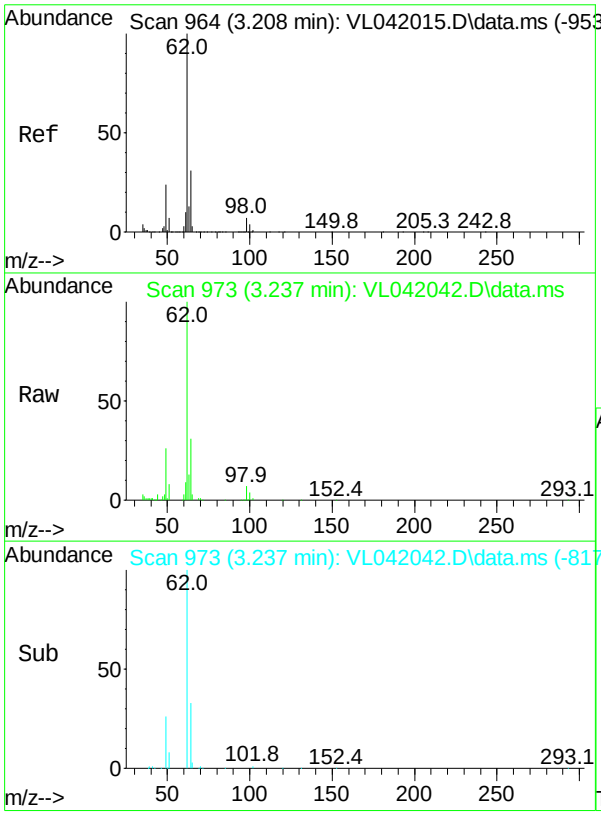
#86
Benzene
Concen: 1.822 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 78 Resp: 94277

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.0	27.0
50	17.4	15.2	22.8



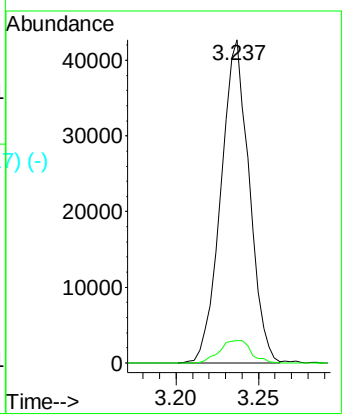
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

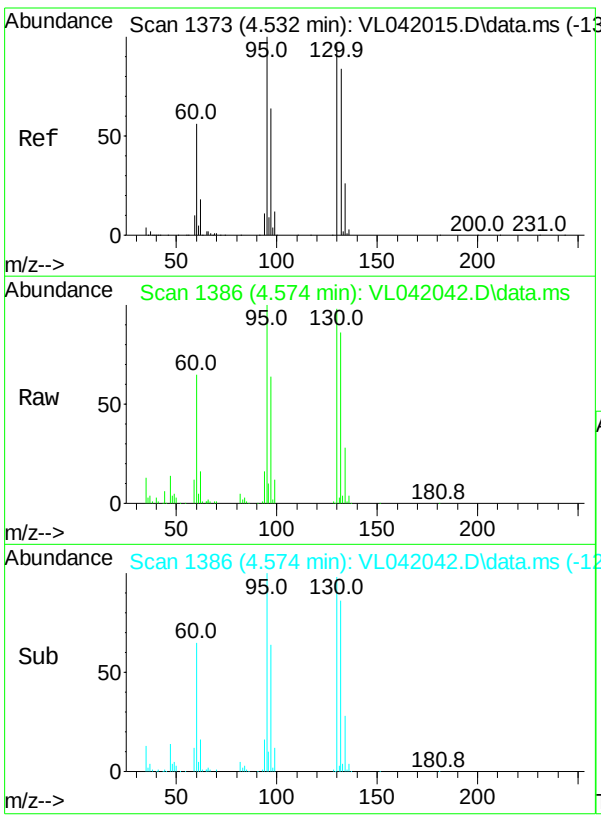


#37
1,2-Dichloroethane
Concen: 1.734 ppbv
RT: 3.237 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 62 Resp: 51050

Ion	Ratio	Lower	Upper
62	100		
98	7.6	5.7	8.5

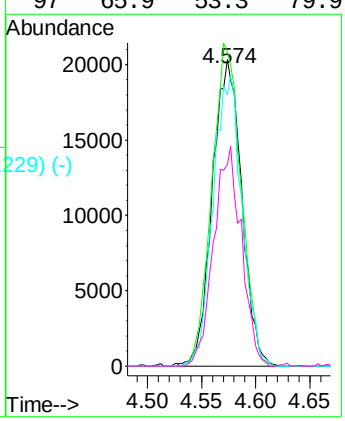




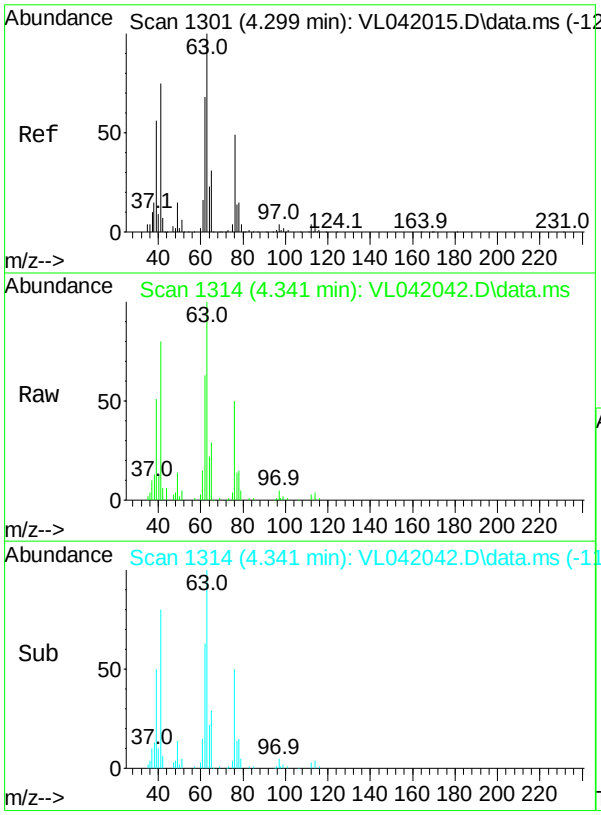
#38
Trichloroethene
Concen: 1.817 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:130 Resp: 38184

Ion	Ratio	Lower	Upper
130	100		
95	102.6	82.8	124.2
132	88.7	70.0	105.0
97	65.9	53.3	79.9



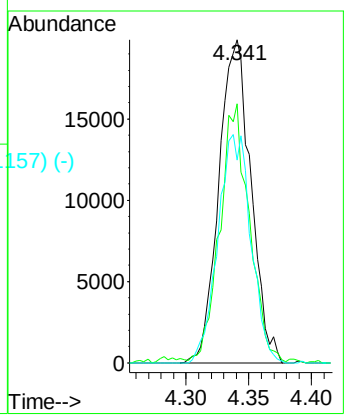
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

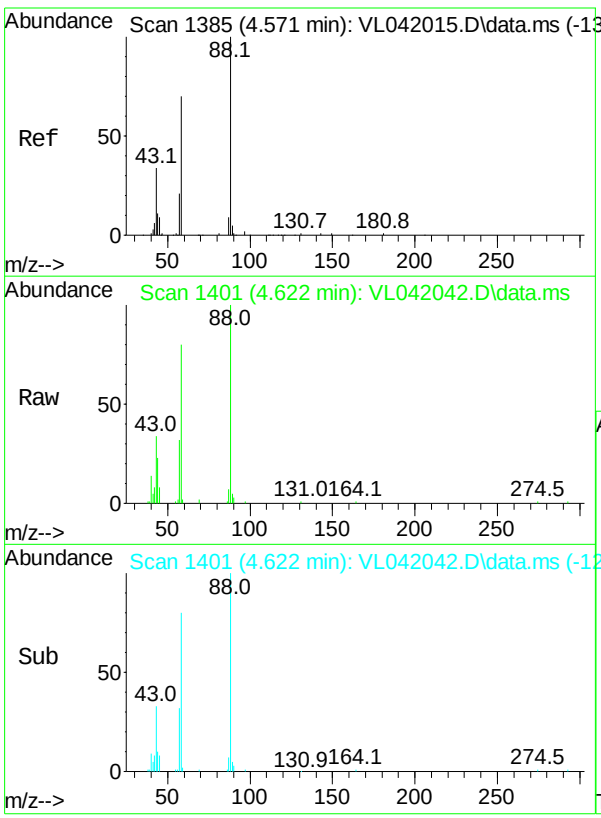


#39
1,2-Dichloropropane
Concen: 1.866 ppbv
RT: 4.341 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 63 Resp: 35396

Ion	Ratio	Lower	Upper
63	100		
41	79.2	60.1	90.1
62	62.8	54.0	81.0

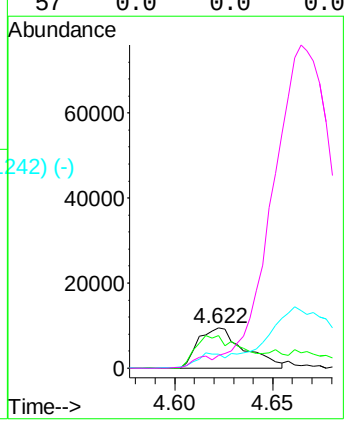




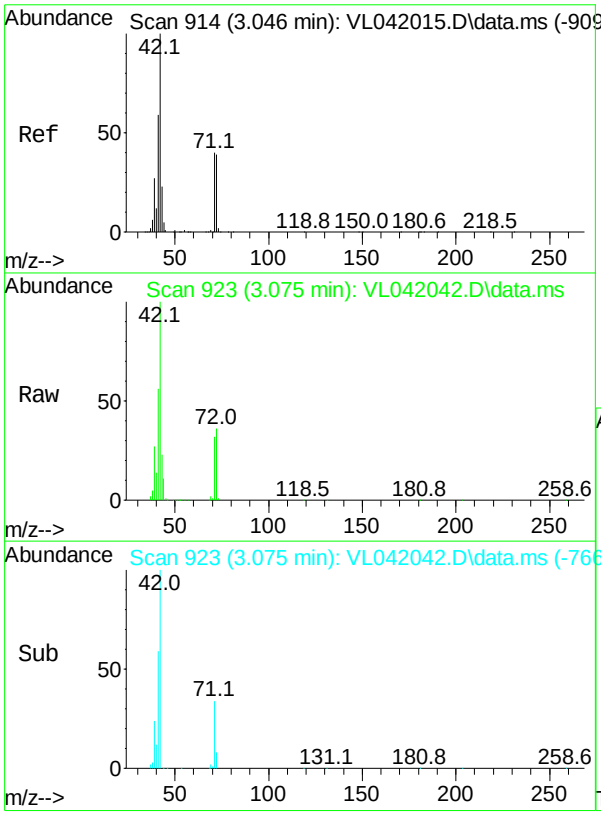
#40
1,4-Dioxane
Concen: 1.565 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.013 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 88 Resp: 15442

Ion	Ratio	Lower	Upper
88	100		
58	138.2	58.1	87.1#
43	0.0	27.3	40.9#
57	0.0	0.0	0.0



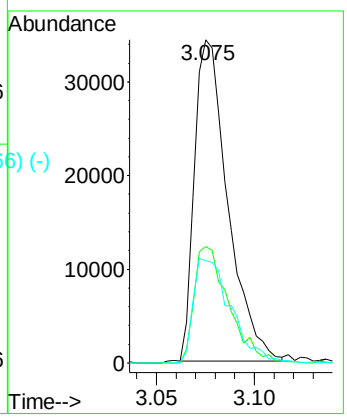
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

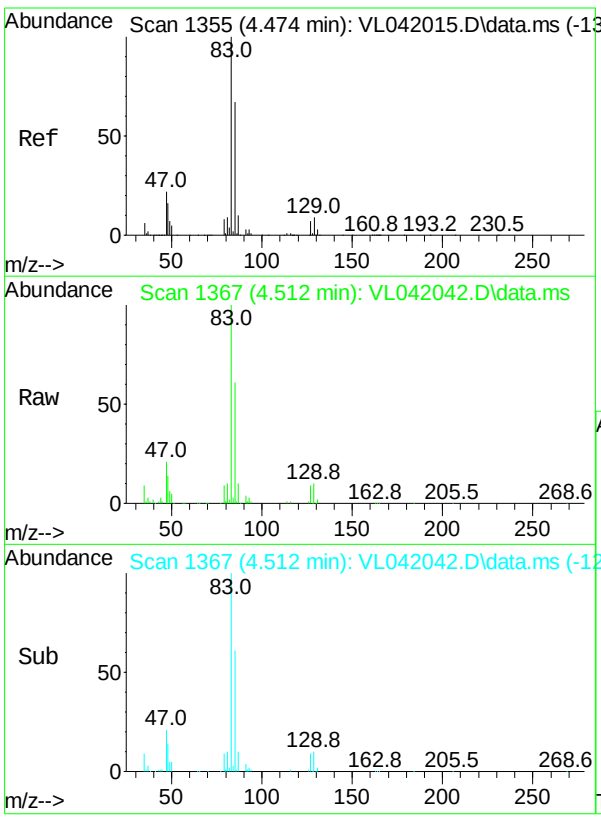


#41
Tetrahydrofuran
Concen: 1.922 ppbv
RT: 3.075 min Scan# 9
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 42 Resp: 40365

Ion	Ratio	Lower	Upper
42	100		
72	37.9	32.3	48.5
71	36.7	30.9	46.3

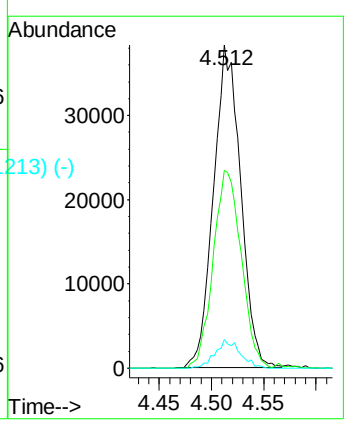




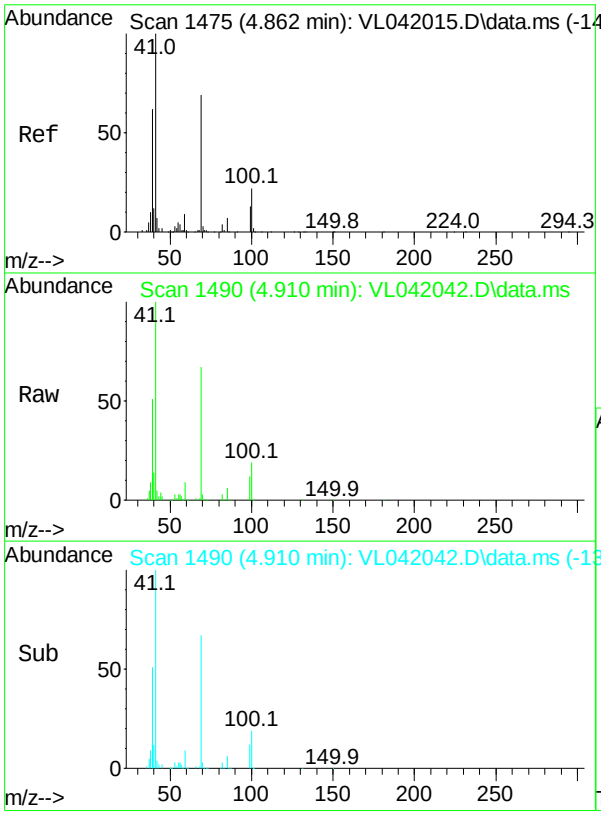
#42
Bromodichloromethane
Concen: 1.733 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 83 Resp: 69154

Ion	Ratio	Lower	Upper
83	100		
85	61.3	53.3	79.9
127	8.9	6.0	9.0



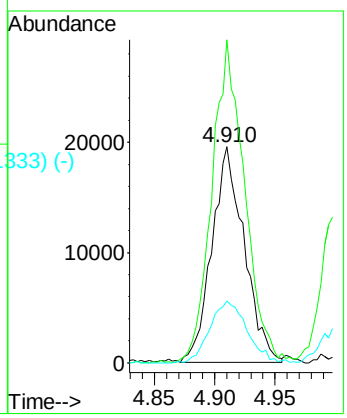
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

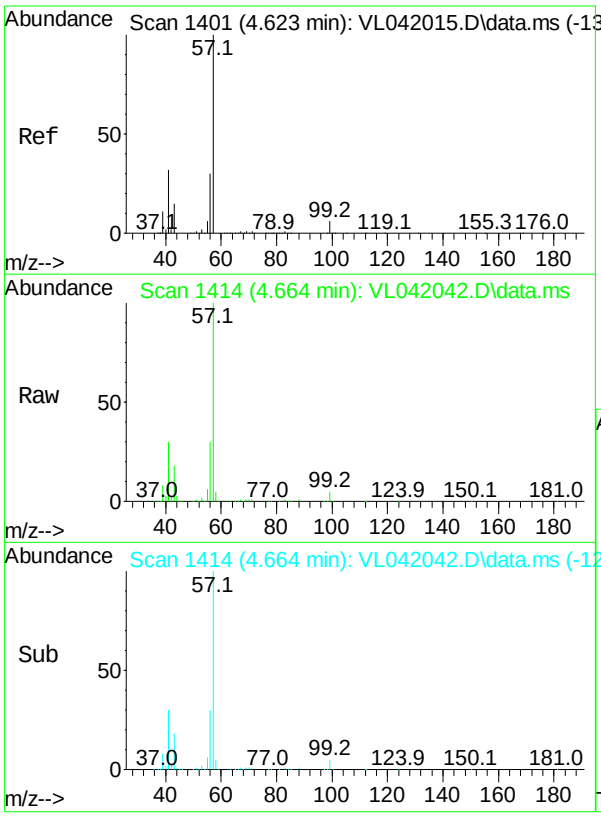


#43
Methyl Methacrylate
Concen: 1.543 ppbv
RT: 4.910 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 69 Resp: 36393

Ion	Ratio	Lower	Upper
69	100		
41	151.7	114.9	172.3
100	33.0	28.8	43.2

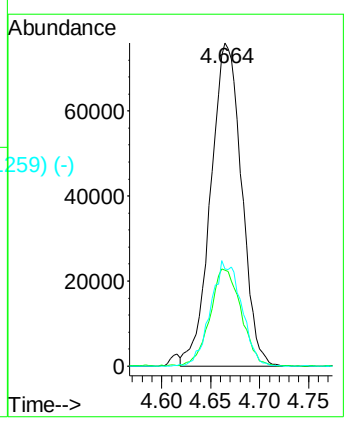




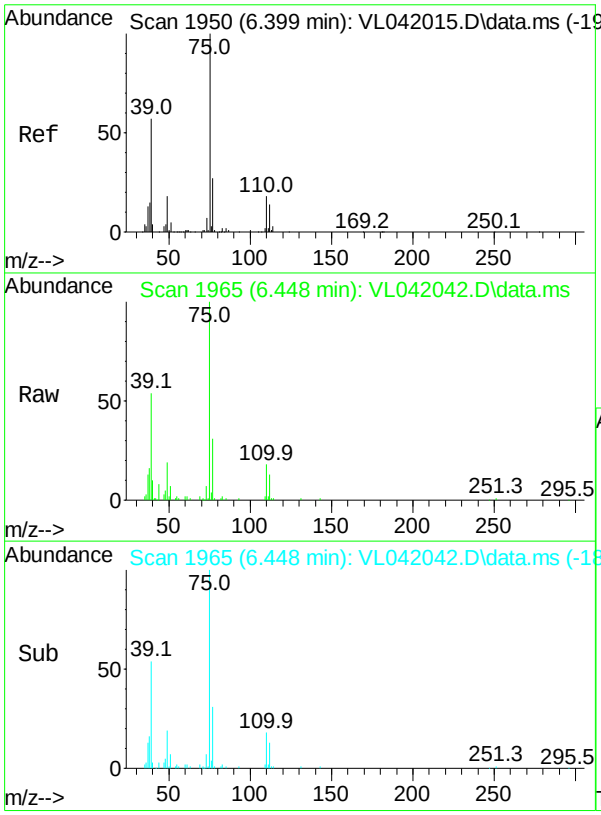
#44
2,2,4-Trimethylpentane
Concen: 1.901 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 57 Resp: 166945

Ion	Ratio	Lower	Upper
57	100		
41	30.6	25.9	38.9
56	32.5	24.9	37.3



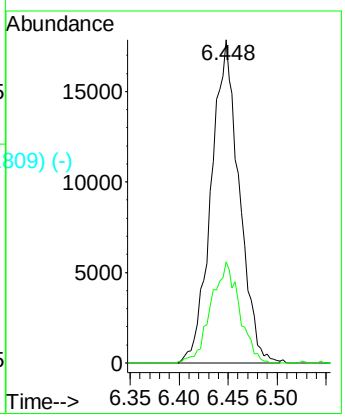
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

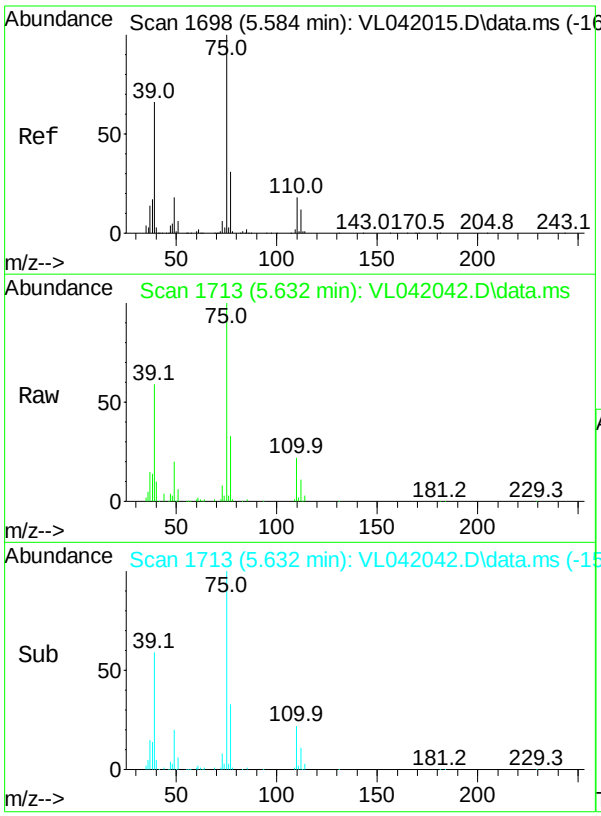


#45
t-1,3-Dichloropropene
Concen: 1.604 ppbv
RT: 6.448 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 75 Resp: 35707

Ion	Ratio	Lower	Upper
75	100		
77	31.3	22.1	33.1

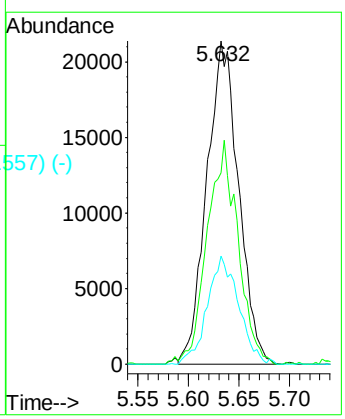




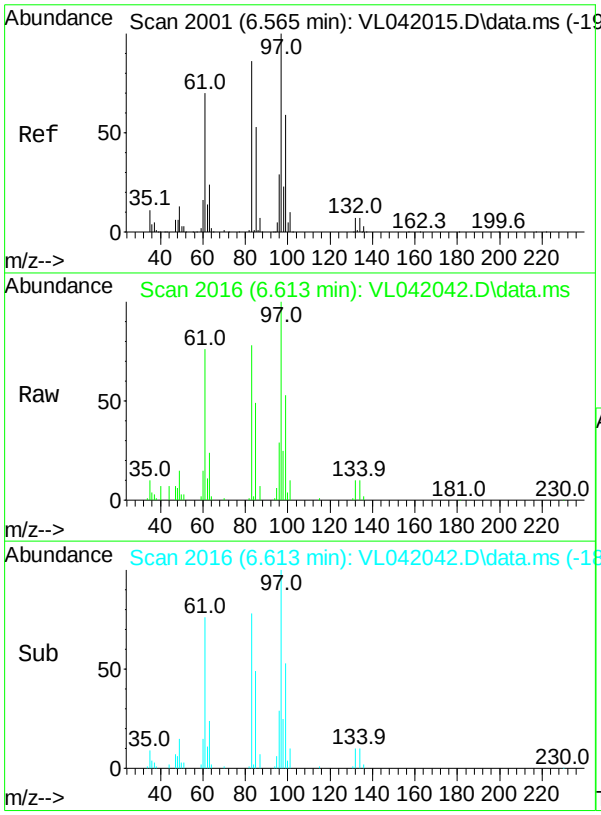
#46
cis-1,3-Dichloropropene
Concen: 1.658 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 75 Resp: 46835

Ion	Ratio	Lower	Upper
75	100		
39	59.1	52.2	78.4
77	33.4	24.5	36.7



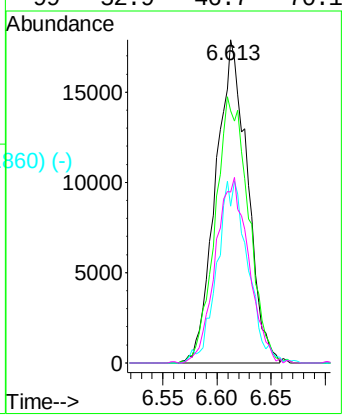
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

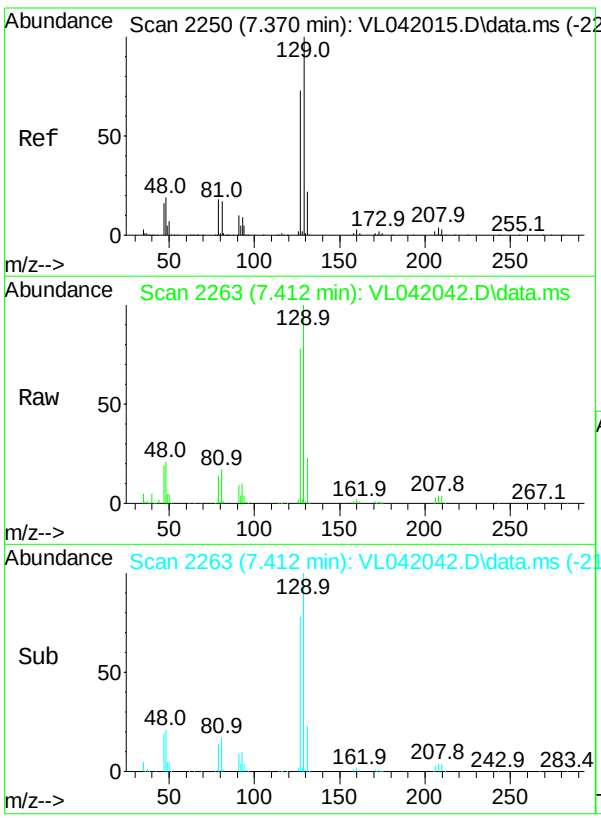


#47
1,1,2-Trichloroethane
Concen: 1.822 ppbv
RT: 6.613 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 97 Resp: 36368

Ion	Ratio	Lower	Upper
97	100		
83	78.1	68.6	102.8
85	48.5	42.2	63.4
99	52.9	46.7	70.1

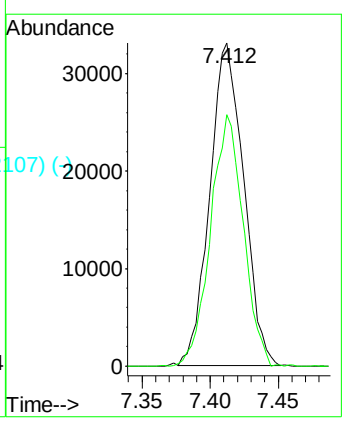




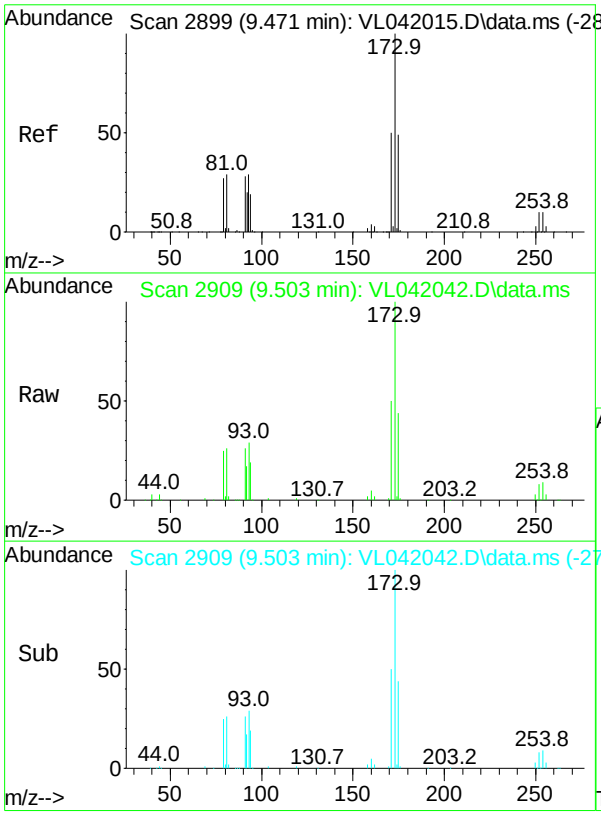
#48
Dibromochloromethane
Concen: 1.703 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:129 Resp: 56931

Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.2	114.6



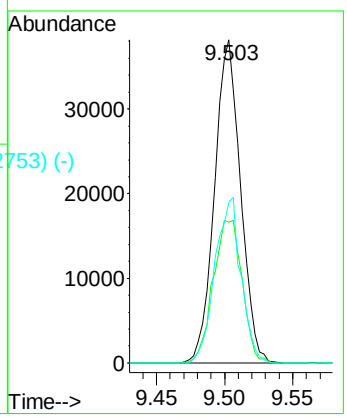
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

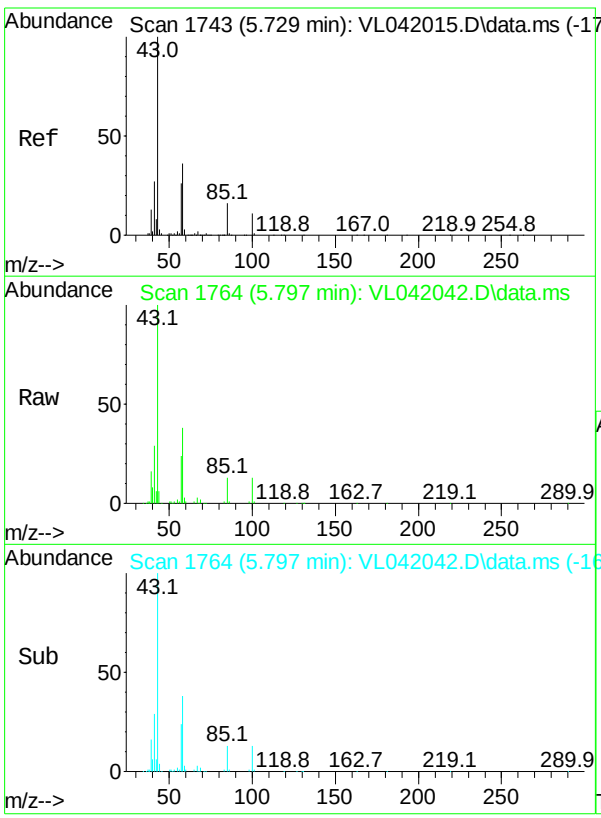


#49
Bromoform
Concen: 1.833 ppbv
RT: 9.503 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:173 Resp: 50259

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.3	58.9
171	51.1	41.4	62.2

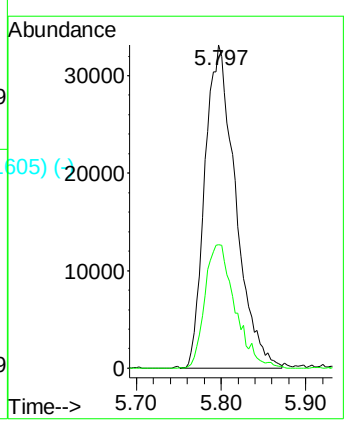




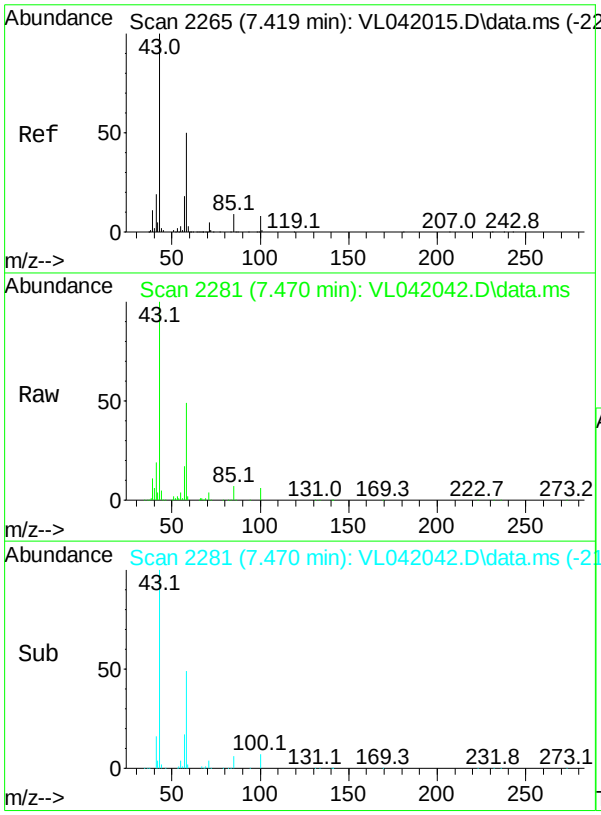
#50
4-Methyl-2-Pentanone
Concen: 1.474 ppbv
RT: 5.797 min Scan# 1764
Delta R.T. 0.013 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 83246

Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.4	44.0



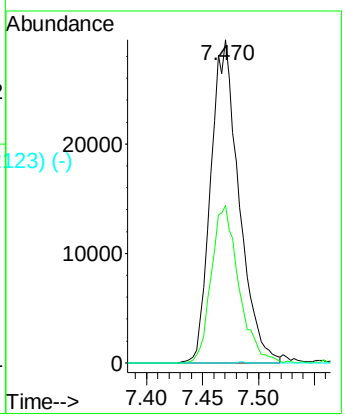
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

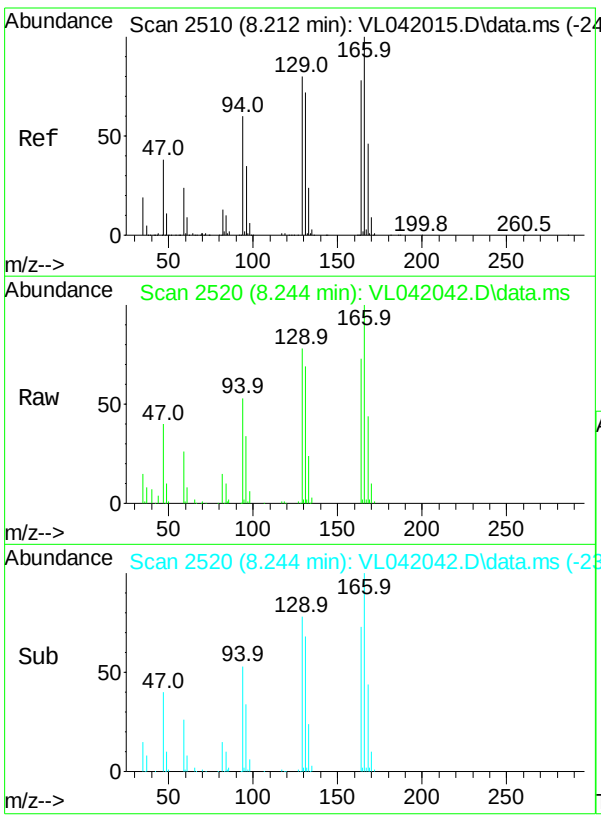


#51
2-Hexanone
Concen: 1.124 ppbv
RT: 7.470 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 43 Resp: 51926

Ion	Ratio	Lower	Upper
43	100		
58	47.5	41.4	62.0
98	0.0	0.0	0.0

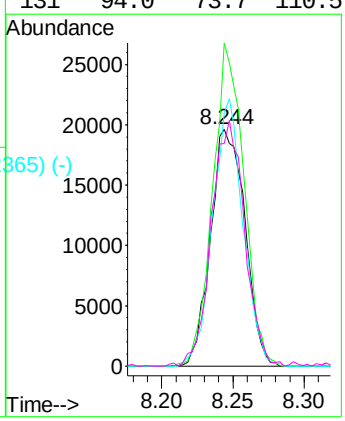




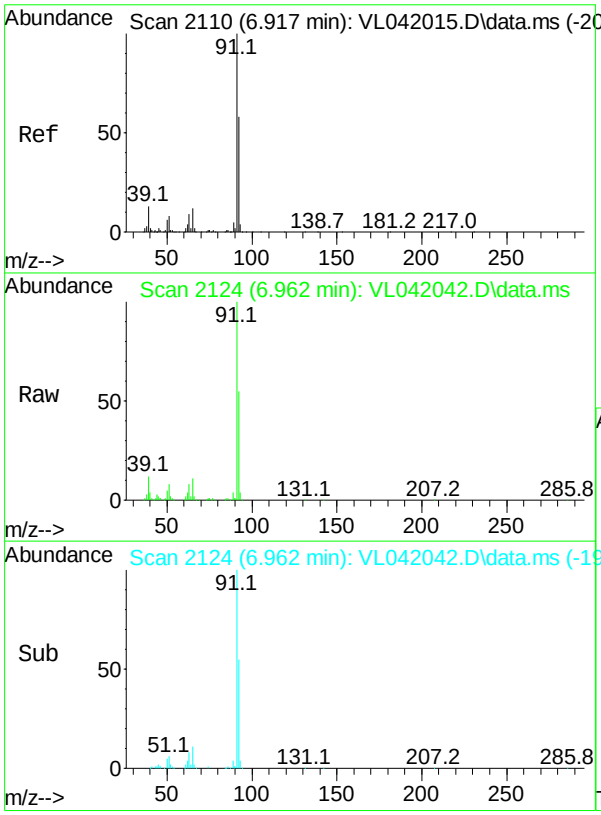
#52
Tetrachloroethene
Concen: 1.822 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:164 Resp: 32874

Ion	Ratio	Lower	Upper
164	100		
166	136.1	102.2	153.2
129	107.1	82.2	123.4
131	94.0	73.7	110.5



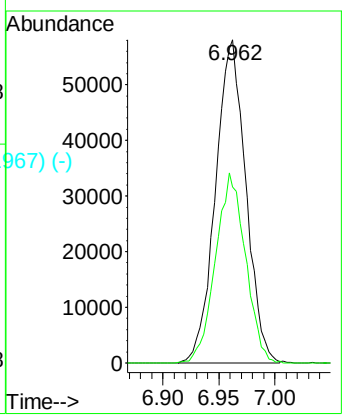
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

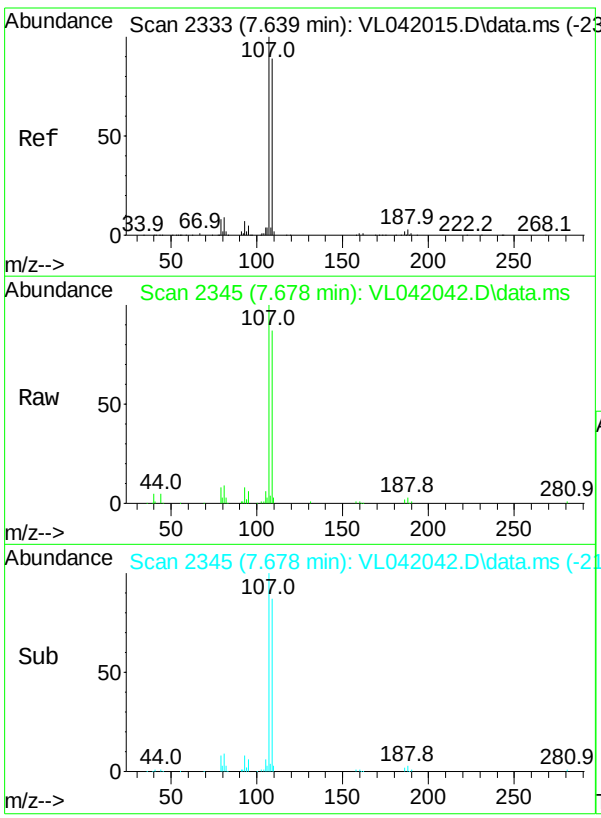


#53
Toluene
Concen: 1.779 ppbv
RT: 6.962 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 109646

Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.5	71.3

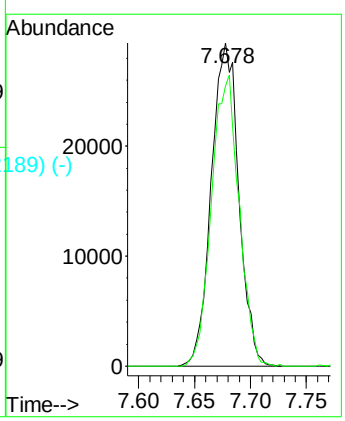




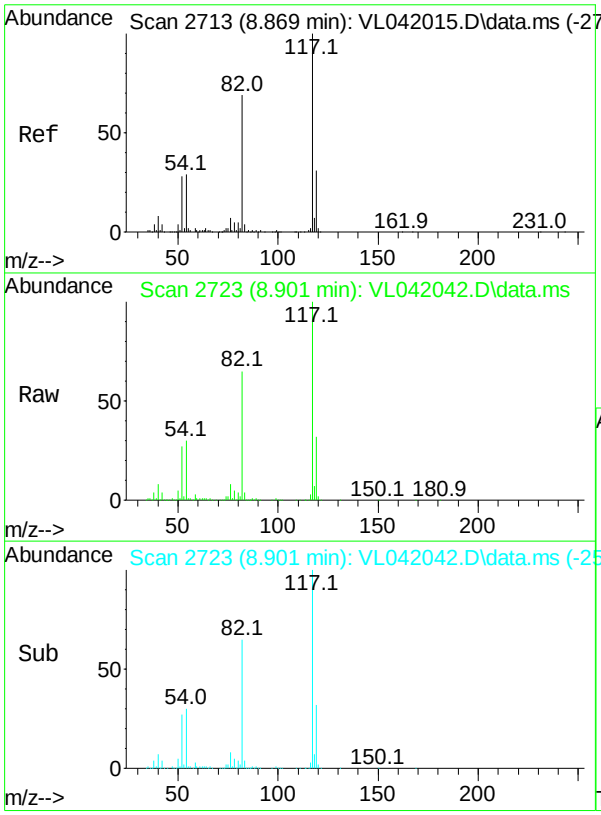
#54
1,2-Dibromoethane
Concen: 1.820 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:107 Resp: 50010

Ion	Ratio	Lower	Upper
107	100		
109	86.8	71.5	107.3



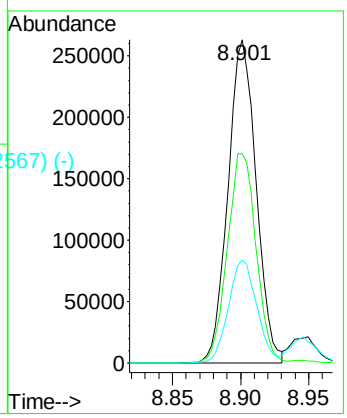
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

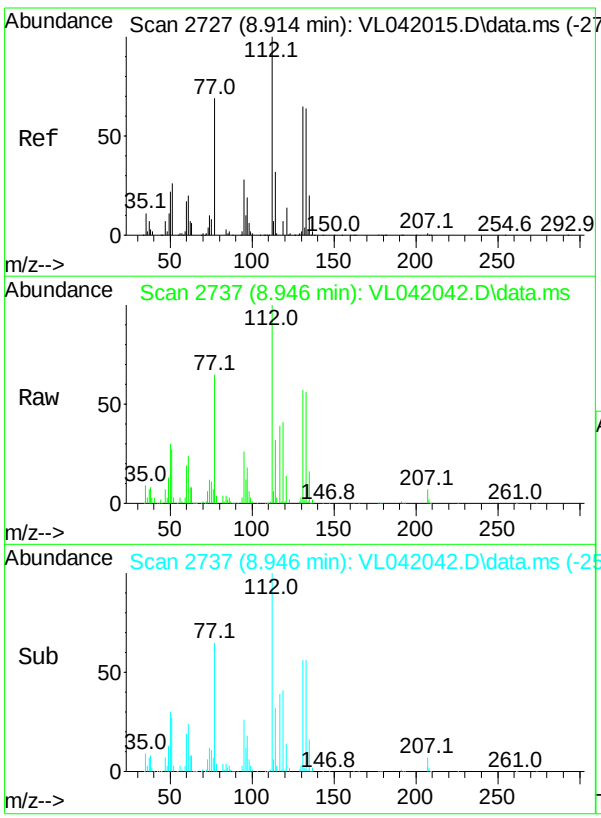


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:117 Resp: 377910

Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.7	83.5
119	32.4	25.2	37.8

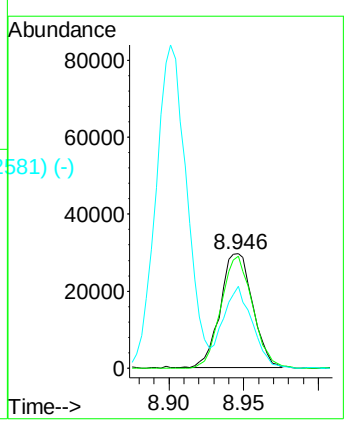




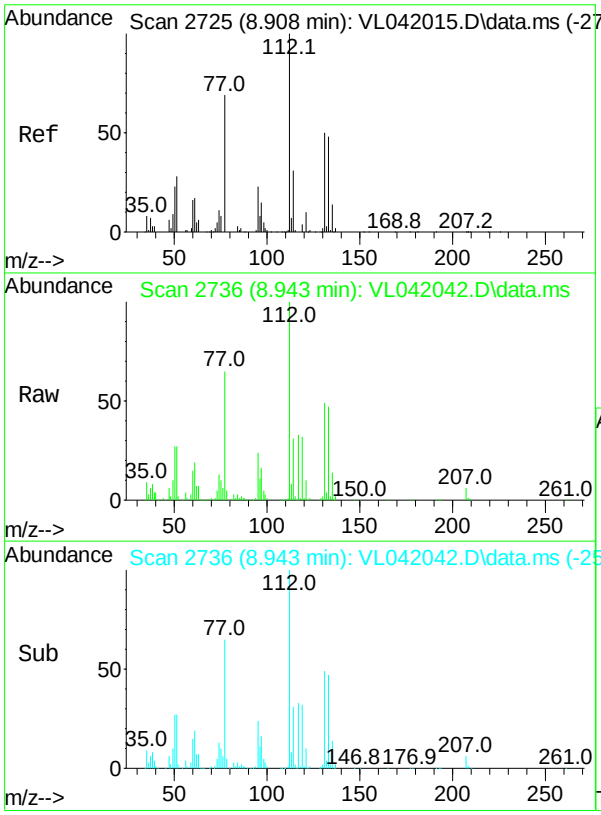
#56
1,1,1,2-Tetrachloroethane
Concen: 1.662 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:131 Resp: 44947

Ion	Ratio	Lower	Upper
131	100		
133	95.0	77.8	116.8
119	61.8	49.1	73.7



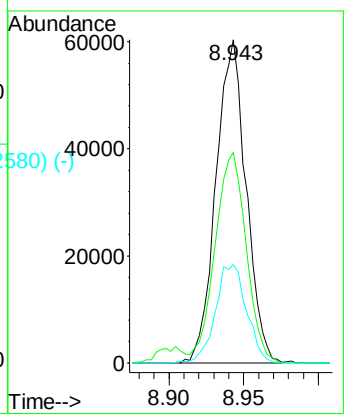
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

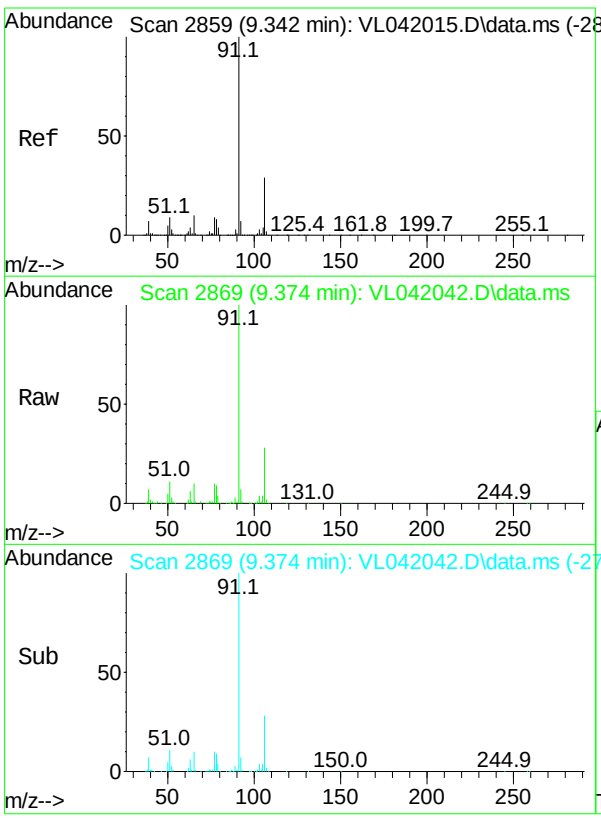


#57
Chlorobenzene
Concen: 1.906 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:112 Resp: 84749

Ion	Ratio	Lower	Upper
112	100		
77	65.2	56.2	84.2
114	30.6	28.2	34.4

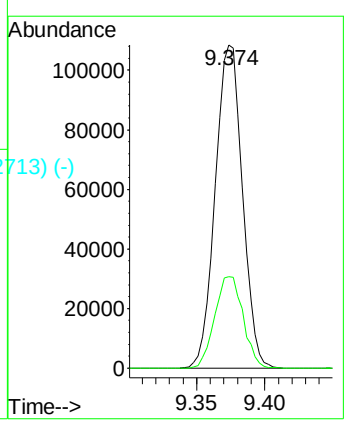




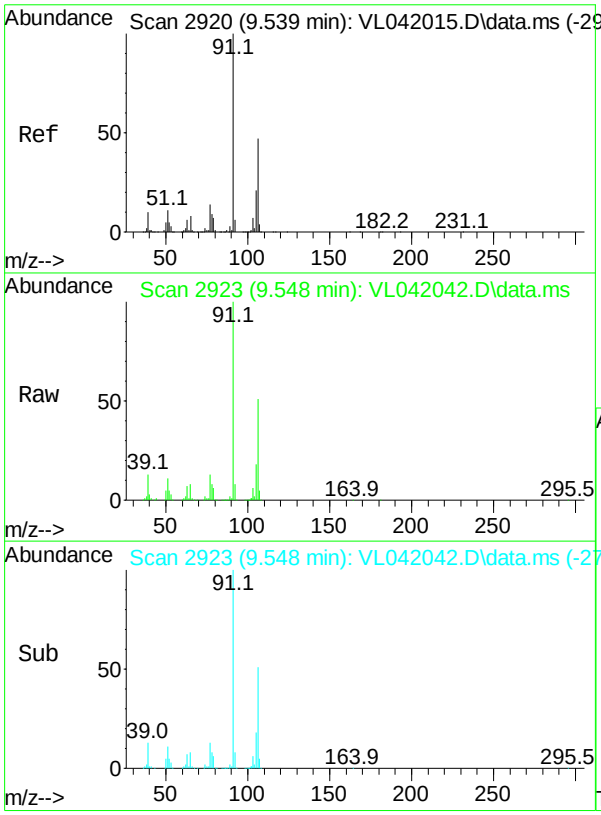
#58
Ethyl Benzene
Concen: 1.804 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 149185

Ion	Ratio	Lower	Upper
91	100		
106	28.3	23.1	34.7



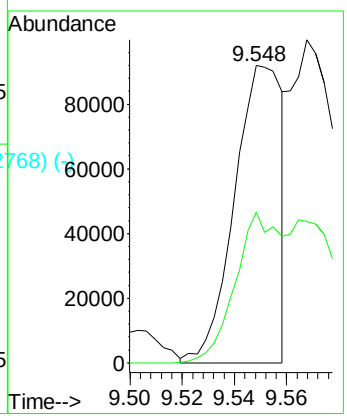
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

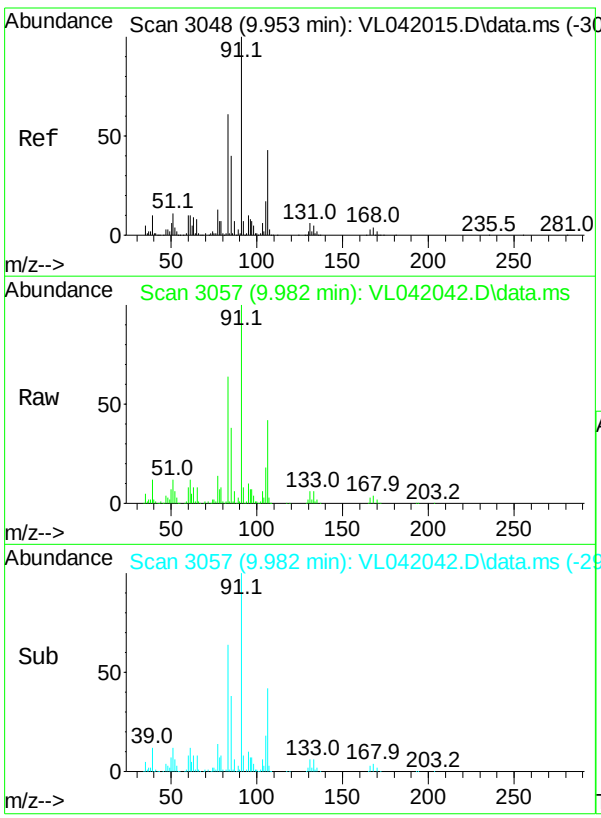


#59
m/p-Xylene
Concen: 1.773 ppbv
RT: 9.548 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 115500

Ion	Ratio	Lower	Upper
91	100		
106	97.3	35.8	53.8#

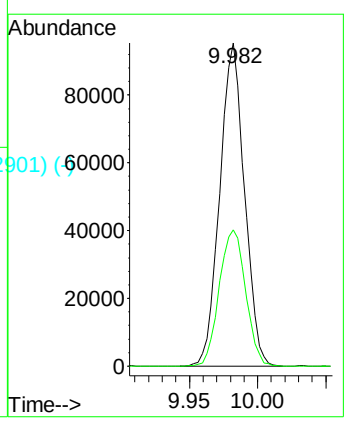




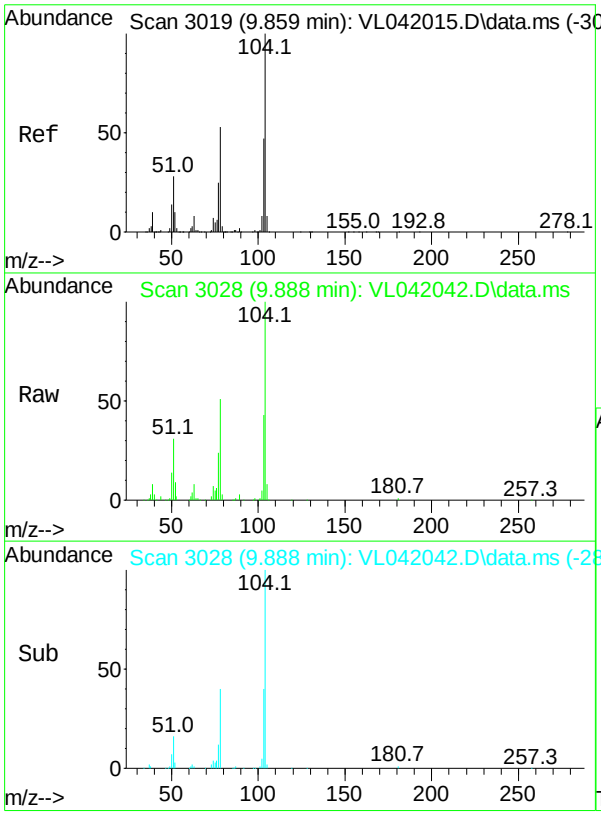
#60
o-Xylene
Concen: 1.809 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 119170

Ion	Ratio	Lower	Upper
91	100		
106	45.0	21.4	64.3



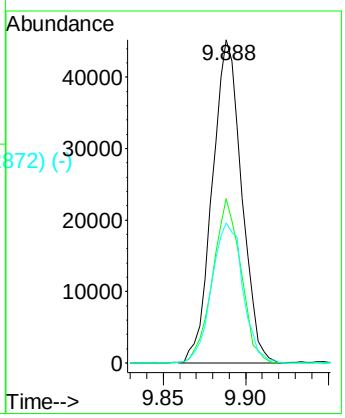
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

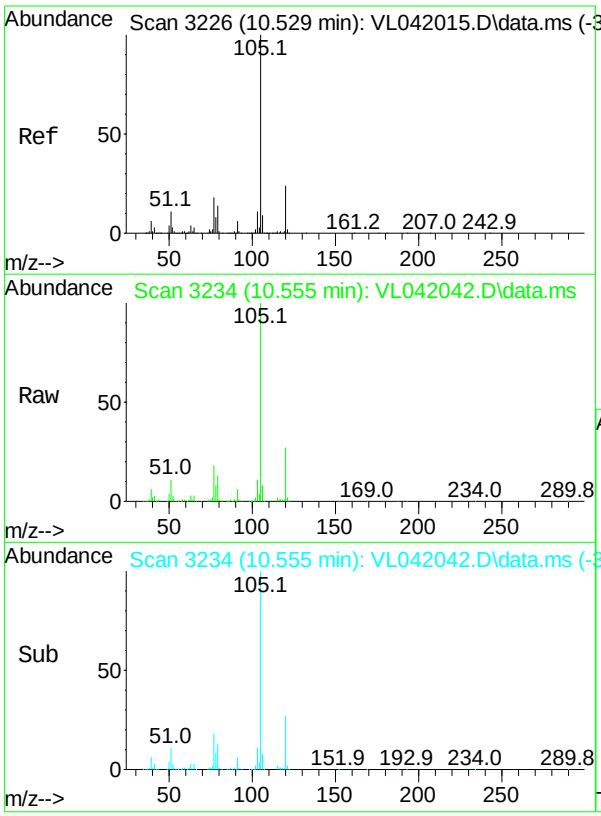


#61
Styrene
Concen: 1.776 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:104 Resp: 55798

Ion	Ratio	Lower	Upper
104	100		
78	49.1	42.2	63.4
103	46.2	38.1	57.1

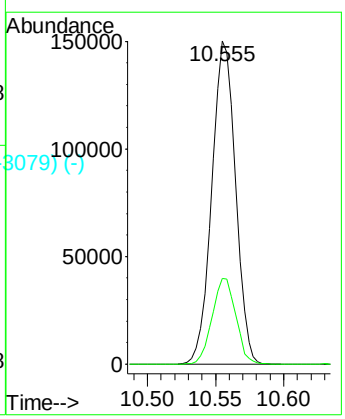


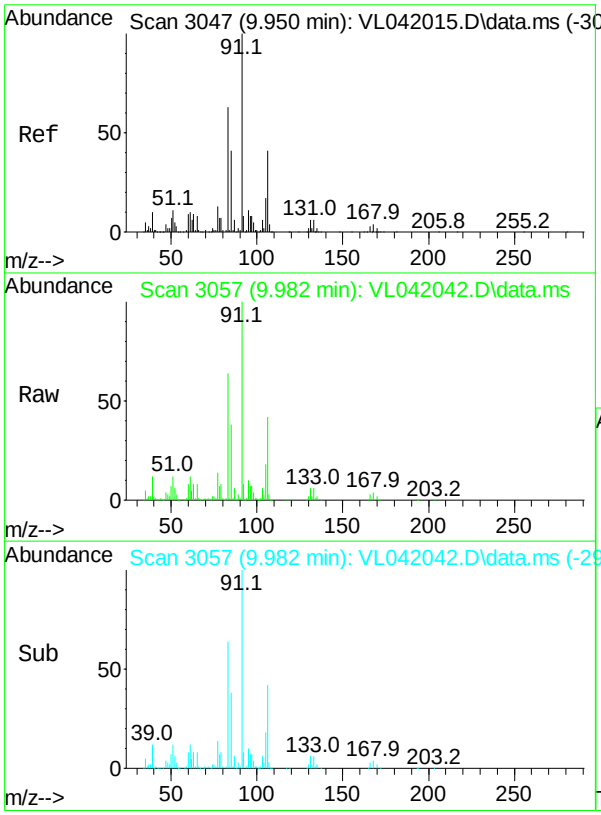


#62
Isopropylbenzene
Concen: 1.833 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 181311

Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.8	29.8



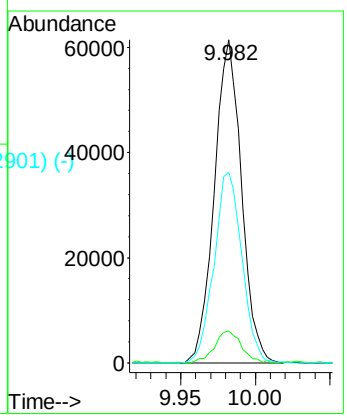


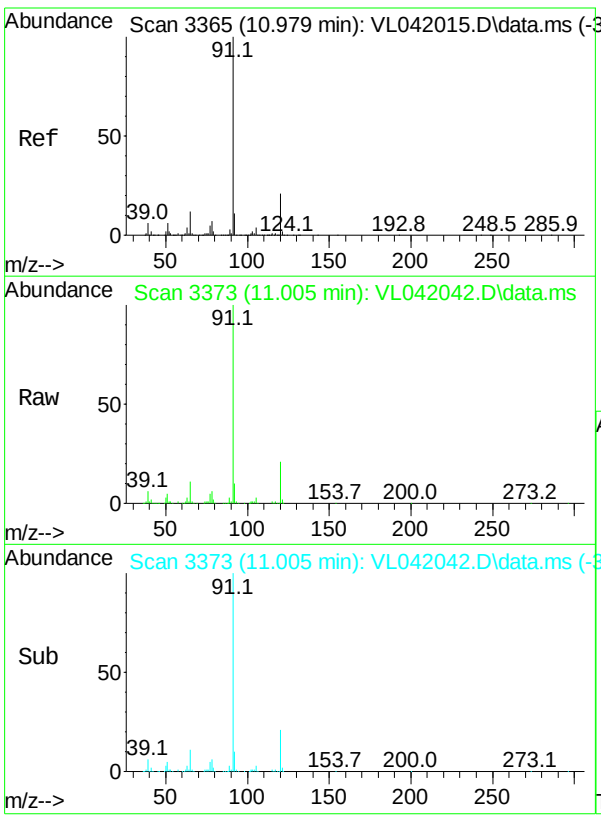
#63
1,1,2,2-Tetrachloroethan
Concen: 1.833 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 77911

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	60.6	32.1	96.3

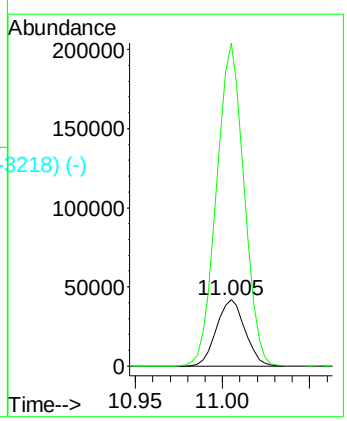




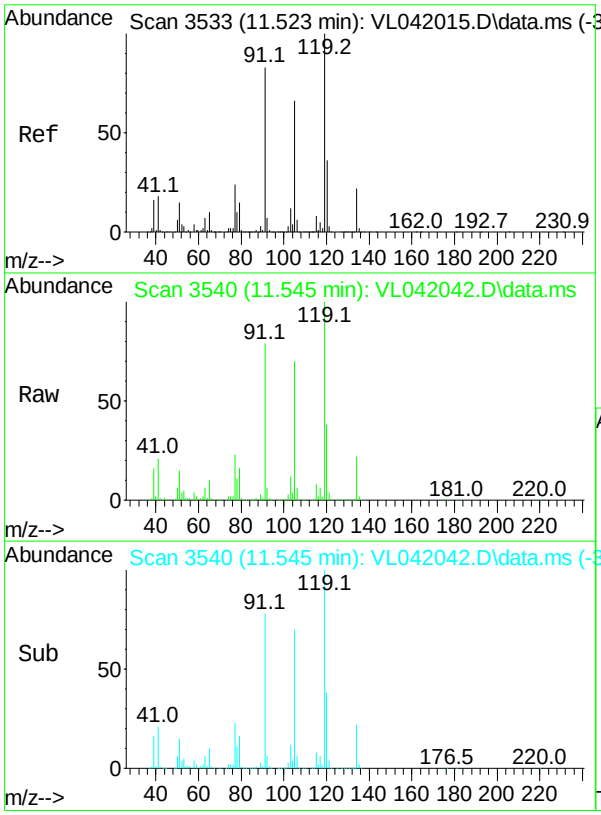
#64
n-propylbenzene
Concen: 1.965 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:120 Resp: 47764

Ion	Ratio	Lower	Upper
120	100		
91	469.7	392.2	588.2



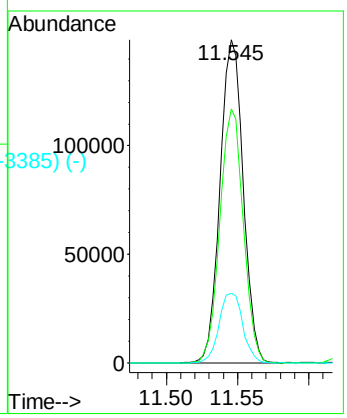
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

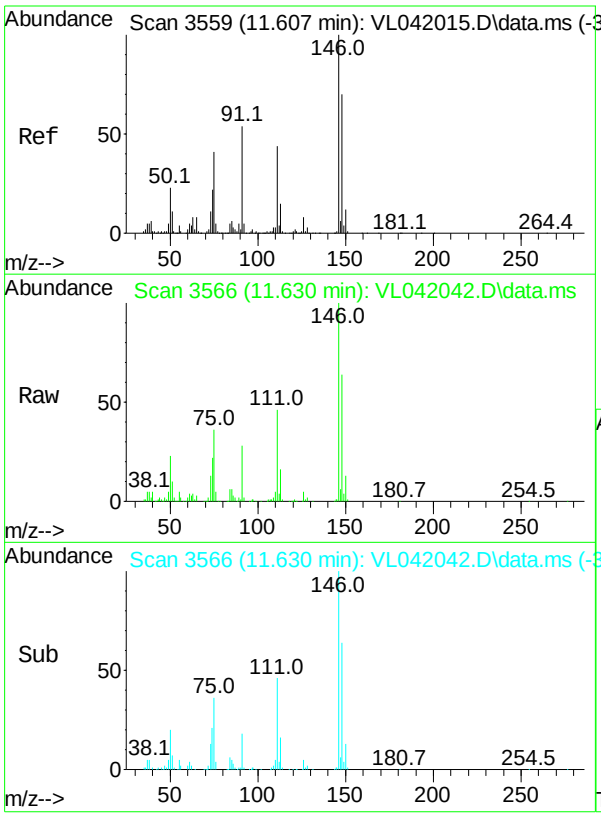


#35
tert-Butylbenzene
Concen: 1.948 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:119 Resp: 167973

Ion	Ratio	Lower	Upper
119	100		
91	79.5	66.5	99.7
134	22.1	16.6	24.8

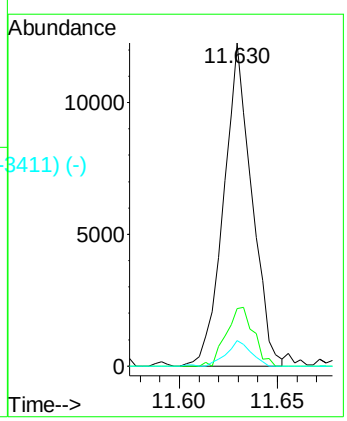




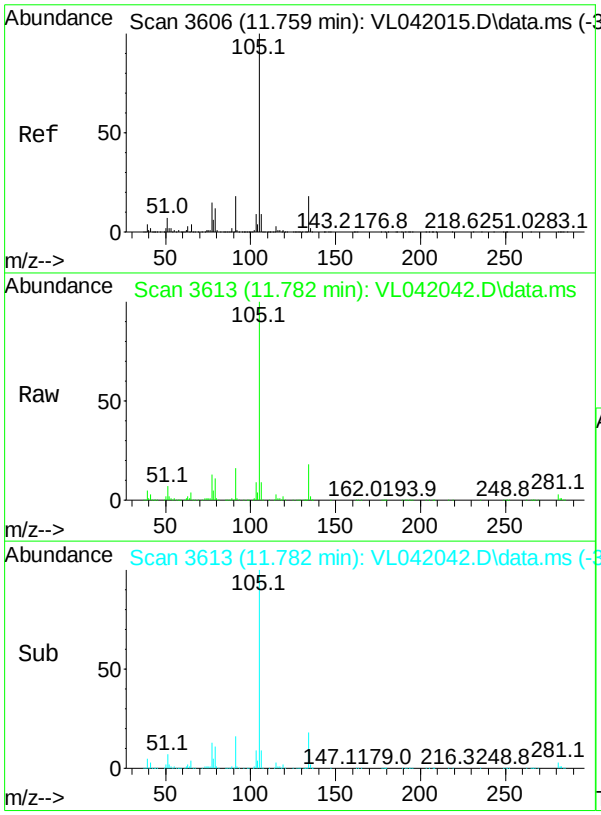
#36
Benzyl Chloride
Concen: 1.423 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 12304

Ion	Ratio	Lower	Upper
91	100		
126	17.7	13.8	20.6
128	7.0	4.1	6.1#



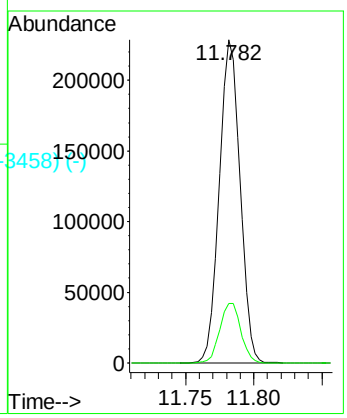
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

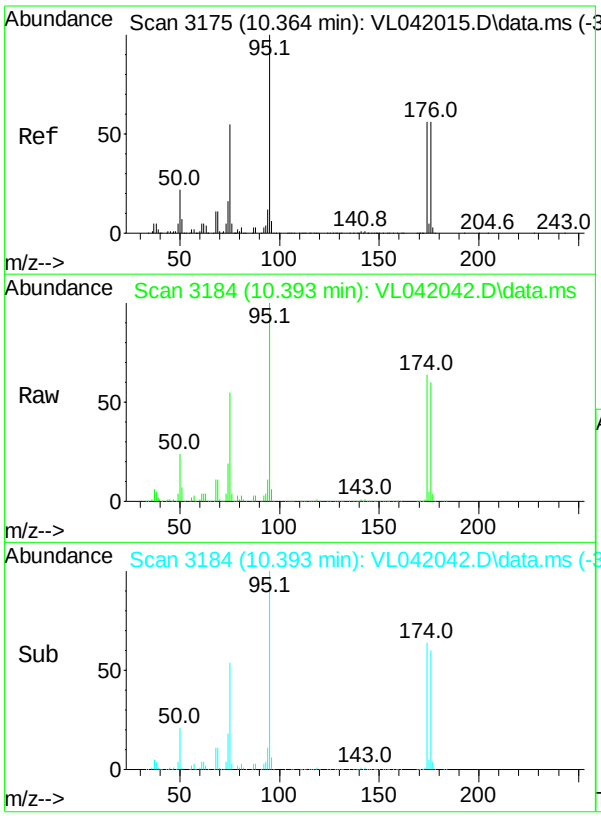


#67
sec-Butylbenzene
Concen: 1.986 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 240504

Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.7	22.1

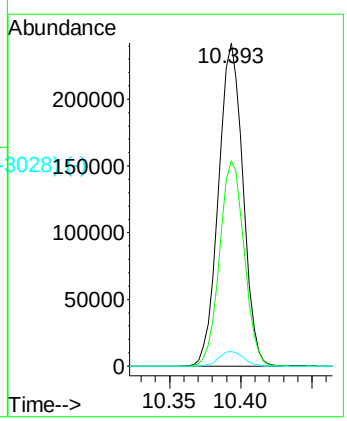




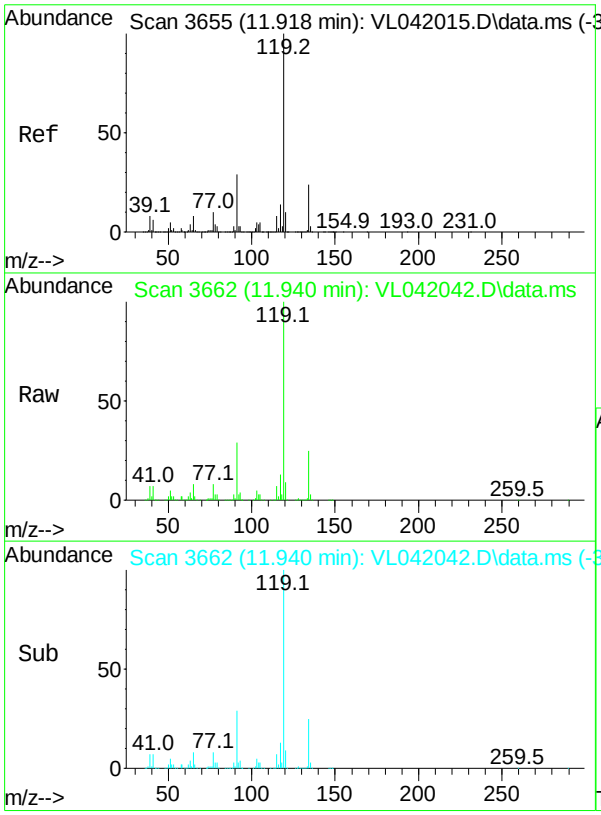
#68
1-Bromo-4-Fluorobenzene
Concen: 9.273 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 95 Resp: 289049

Ion	Ratio	Lower	Upper
95	100		
174	63.8	46.7	70.1
175	4.5	3.7	5.5



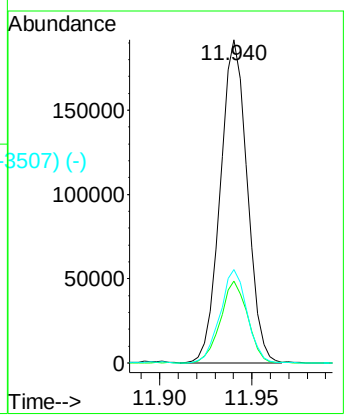
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

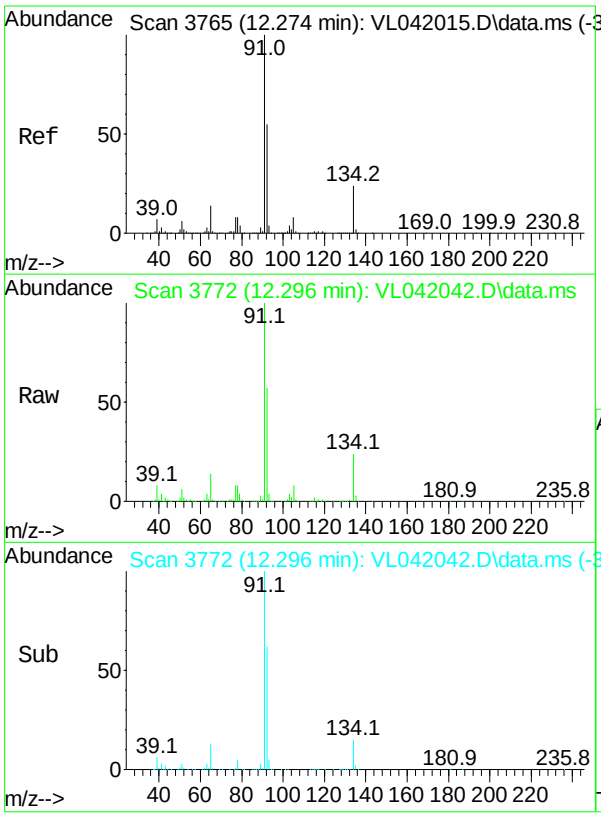


#69
p-Isopropyltoluene
Concen: 1.963 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:119 Resp: 194660

Ion	Ratio	Lower	Upper
119	100		
134	25.6	19.4	29.0
91	29.2	23.4	35.2

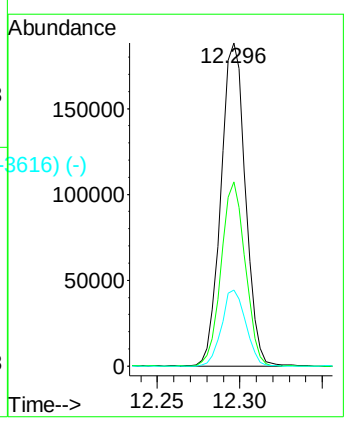




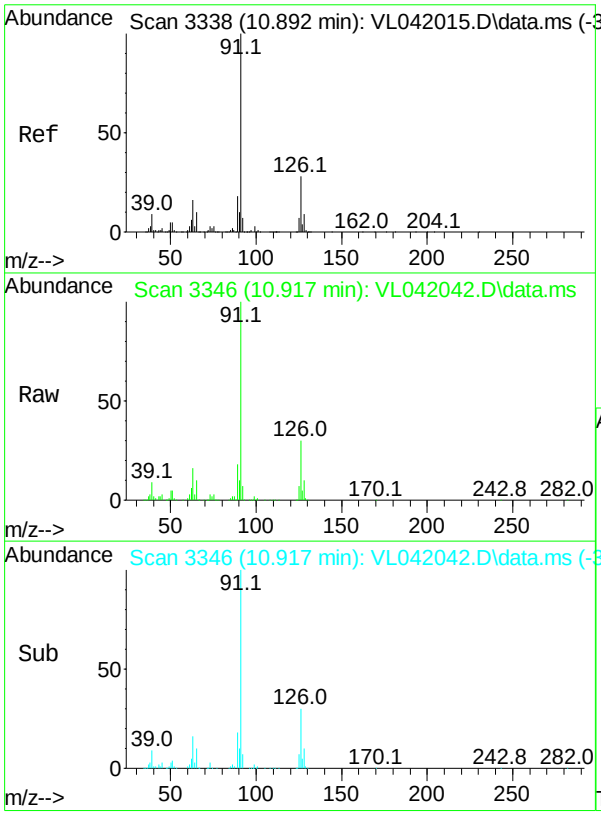
#70
n-Butylbenzene
Concen: 1.991 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 194416

Ion	Ratio	Lower	Upper
91	100		
92	56.0	43.8	65.8
134	23.2	18.6	27.8



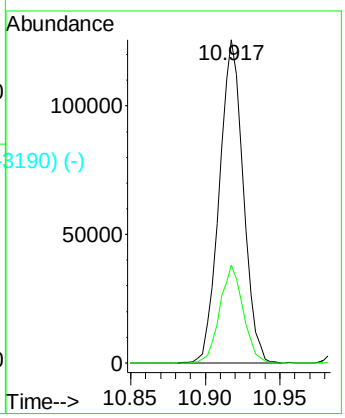
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

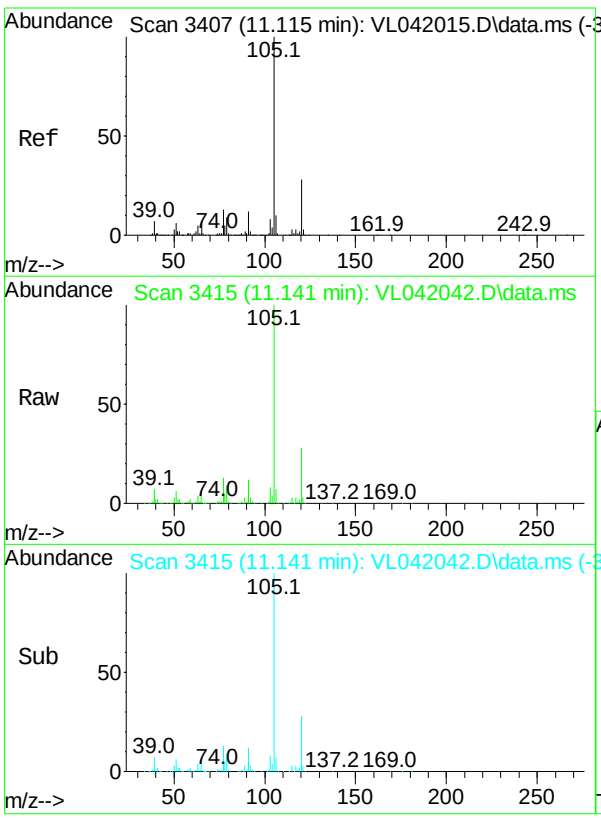


#71
2-Chlorotoluene
Concen: 1.880 ppbv
RT: 10.917 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion: 91 Resp: 140068

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.2	45.0

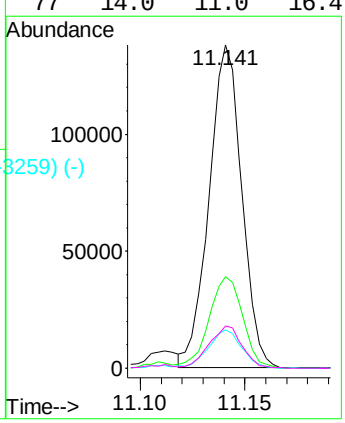




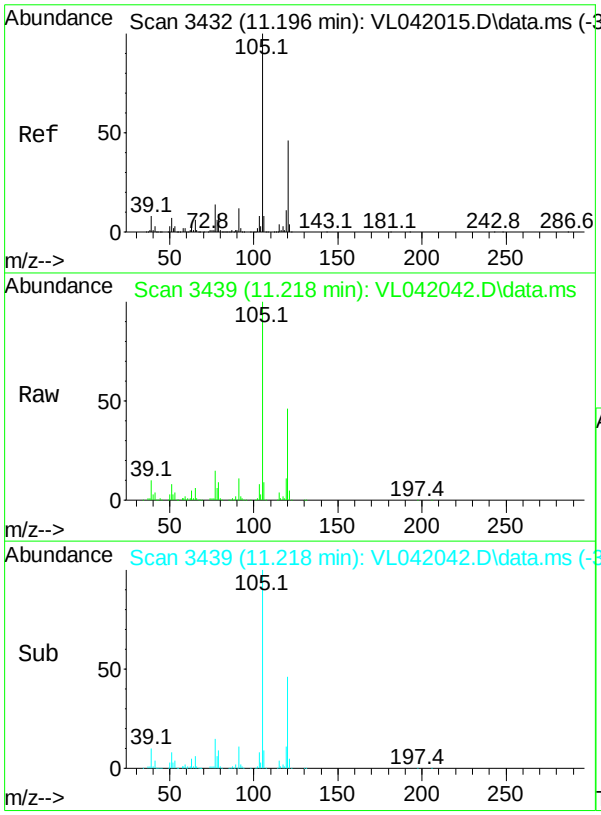
#72
4-Ethyltoluene
Concen: 1.944 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 150038

Ion	Ratio	Lower	Upper
105	100		
120	30.6	22.7	34.1
91	12.9	10.2	15.2
77	14.0	11.0	16.4



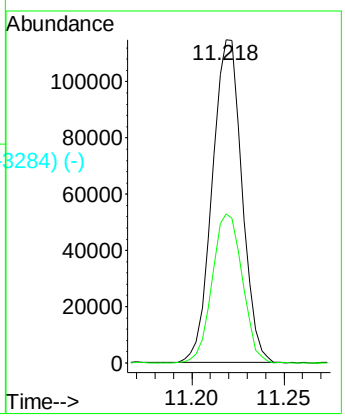
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

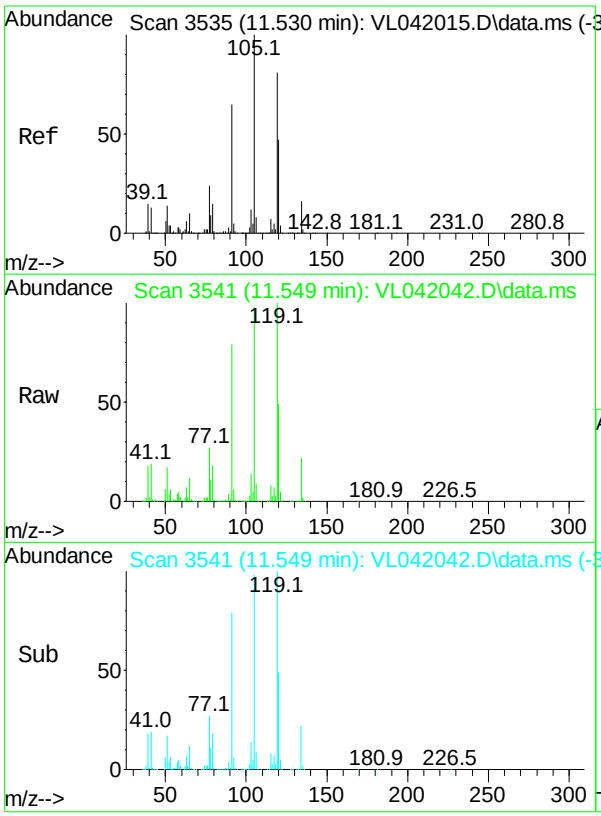


#73
1,3,5-Trimethylbenzene
Concen: 1.925 ppbv
RT: 11.218 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 128202

Ion	Ratio	Lower	Upper
105	100		
120	46.0	37.1	55.7

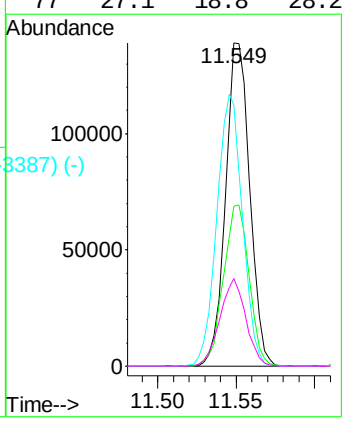




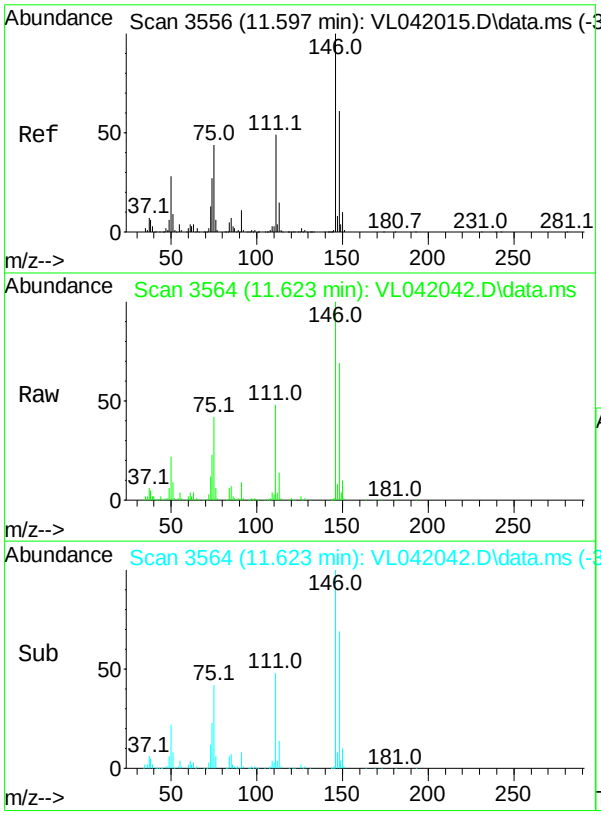
#74
1,2,4-Trimethylbenzene
Concen: 2.104 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:105 Resp: 150380

Ion	Ratio	Lower	Upper
105	100		
120	49.5	37.5	56.3
91	80.7	51.7	77.5#
77	27.1	18.8	28.2



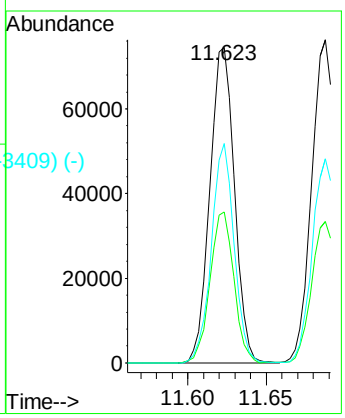
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

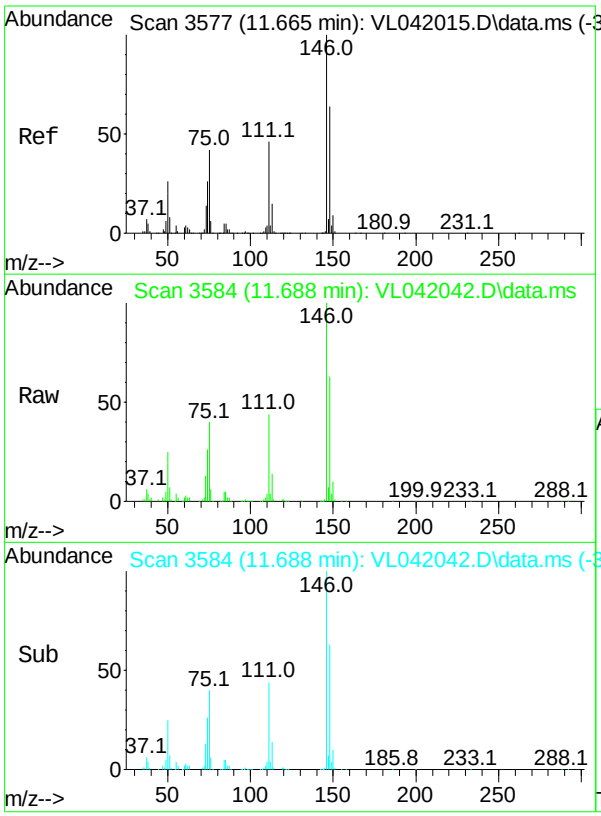


#75
1,3-Dichlorobenzene
Concen: 2.129 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:146 Resp: 81884

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.9	71.7
148	64.4	31.5	94.5

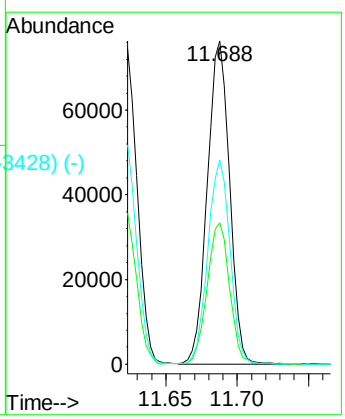




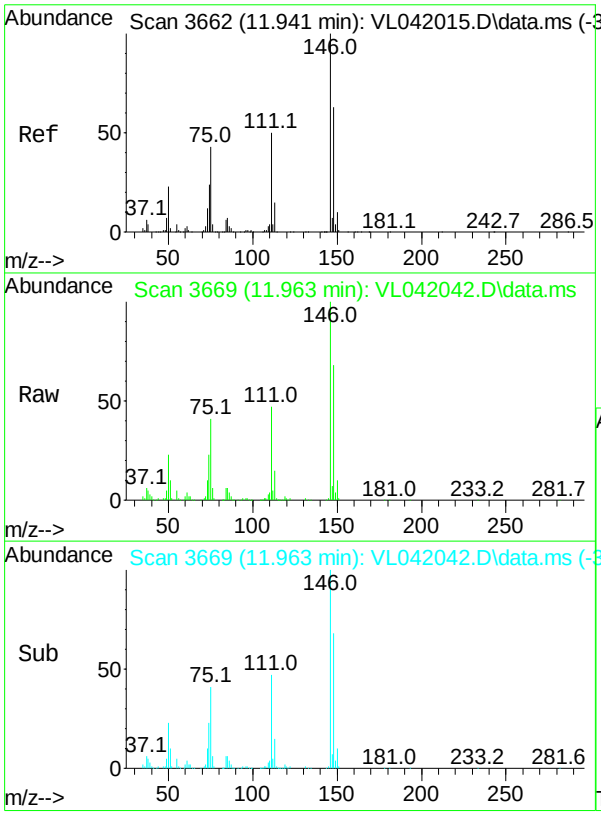
#76
1,4-Dichlorobenzene
Concen: 2.201 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:146 Resp: 82560

Ion	Ratio	Lower	Upper
146	100		
111	44.2	23.5	70.5
148	63.0	32.3	96.9



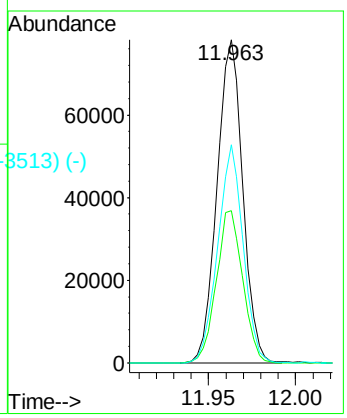
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

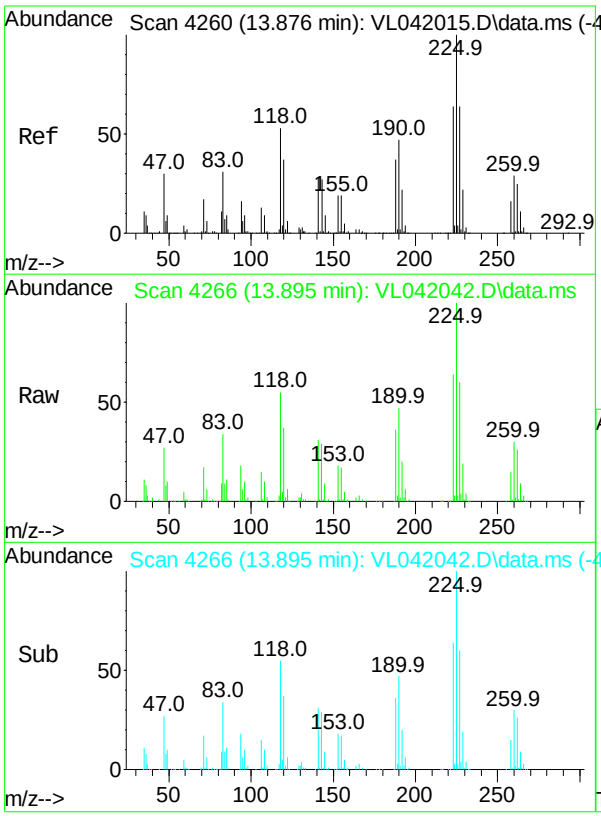


#527 (-)
1,2-Dichlorobenzene
Concen: 2.186 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:146 Resp: 80367

Ion	Ratio	Lower	Upper
146	100		
111	48.3	25.6	76.8
148	66.6	31.9	95.7

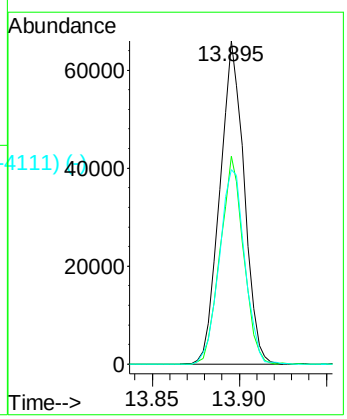




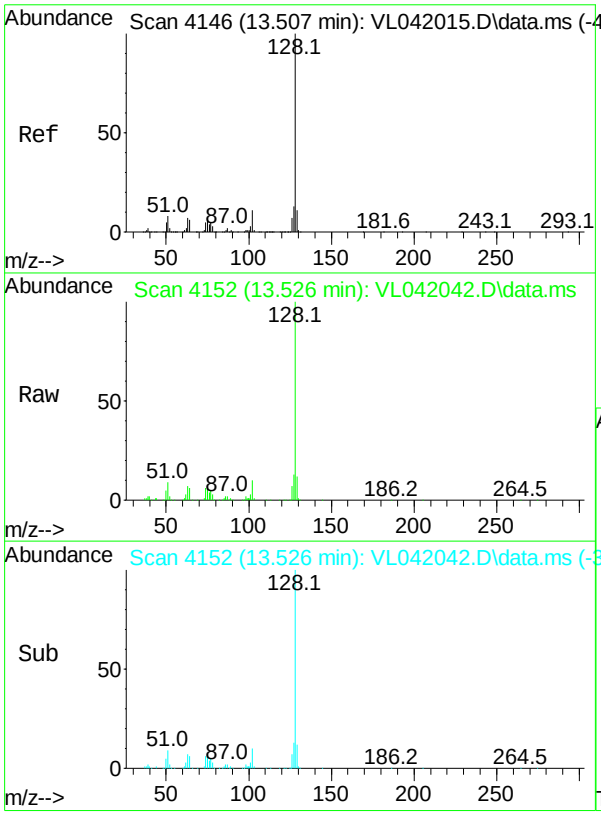
#528 (-)
Hexachloro-1,3-Butadiene
Concen: 2.098 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:225 Resp: 63815

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	75.8
227	63.3	50.9	76.3



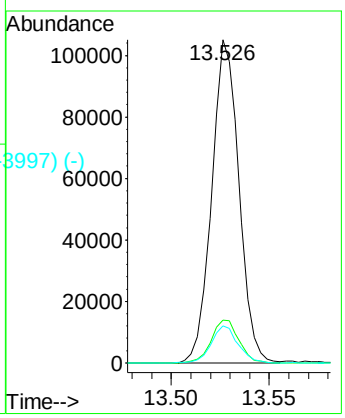
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

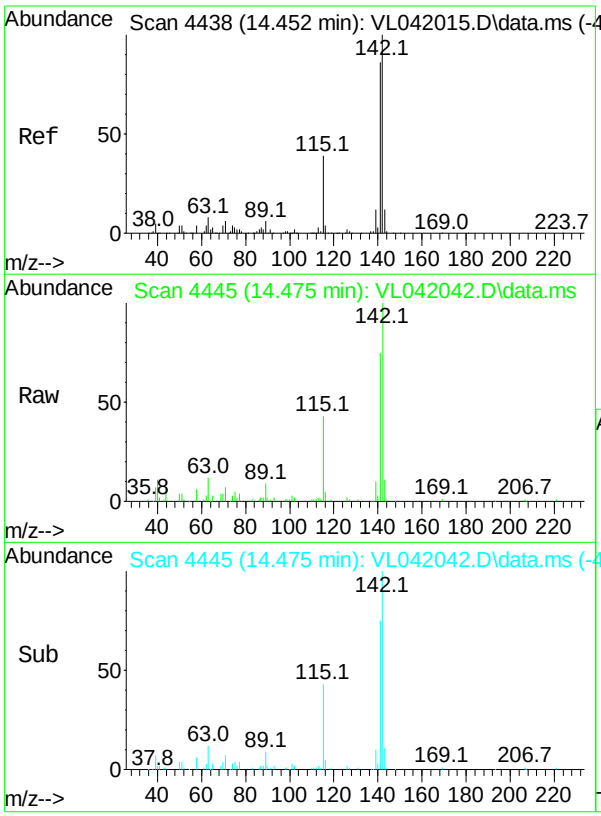


#79
Naphthalene
Concen: 1.454 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:128 Resp: 102197

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.6	8.6	13.0

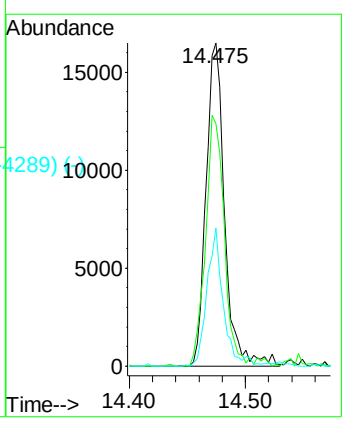


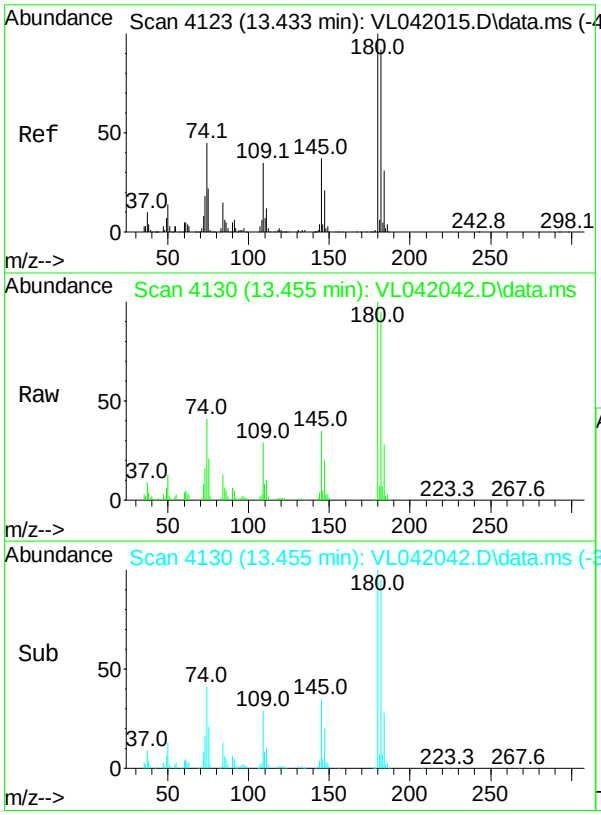


#80
Naphthalene,2-methyl-
Concen: 0.569 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:142 Resp: 18104

Ion	Ratio	Lower	Upper
142	100		
141	79.7	68.2	102.2
115	38.7	33.6	50.4

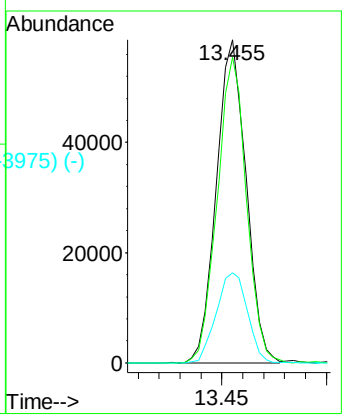




#81
1,2,4-Trichlorobenzene
Concen: 2.023 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042042.D
Acq: 25 Feb 2025 09:29

Tgt Ion:180 Resp: 57798

Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.8	113.6
184	29.2	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002