Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041520.D
Acq On : 8 Aug 2024 19:57
Operator : SY/MD
Sample : P3496-06DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 09 05:59:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.188	49	1159553	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	6.648	114	2968527	10.000	ppbv		0.00
55) Chlorobenzene-d5	11.455	117	2679635	10.000	ppbv	#	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.767	95	2062584	10.002	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.000%				
Target Compounds							Qvalue
4) Chloromethane	2.812	50	8728	0.119	ppbv	#	88
9) Propene	2.693	41	625292	9.861	ppbv		98
10) Heptane	7.574	43	42322	0.297	ppbv	#	19
13) Ethanol	3.237	45	499595	88.149	ppbv		94
15) Acetone	3.459	43	9265319	70.325	ppbv	#	85
16) 1,3-Butadiene	2.967	39	426346	6.057	ppbv	#	18
17) tert-Butyl alcohol	3.880	59	152218	1.267	ppbv		95
19) Isopropyl Alcohol	3.574	45	191339	2.484	ppbv	#	93
20) Methylene Chloride	3.931	84	128942	2.625	ppbv		96
21) Allyl Chloride	3.877	41	44395	0.514	ppbv	#	63
23) Vinyl Acetate	4.709	43	131183	1.304	ppbv	#	7
25) Ethyl Acetate	4.999	43	312314	1.193	ppbv	#	1
26) Hexane	5.205	57	109748	1.011	ppbv	#	6
28) Methyl tert-Butyl Ether	4.774	73	167738	2.450	ppbv	#	1
34) 2-Butanone	4.777	43	12613546	87.839	ppbv	#	88
39) 1,2-Dichloropropane	6.648	63	738102	8.888	ppbv	#	26
42) Bromodichloromethane	7.269	83	16624	0.095	ppbv	#	25
43) Methyl Methacrylate	7.500	69	2839	0.036	ppbv	#	1
51) 2-Hexanone	9.561	43	82439	0.481	ppbv	#	92
53) Toluene	9.217	91	13109	0.054	ppbv	#	44
75) 1,3-Dichlorobenzene	16.323	146	26059	0.139	ppbv	#	33

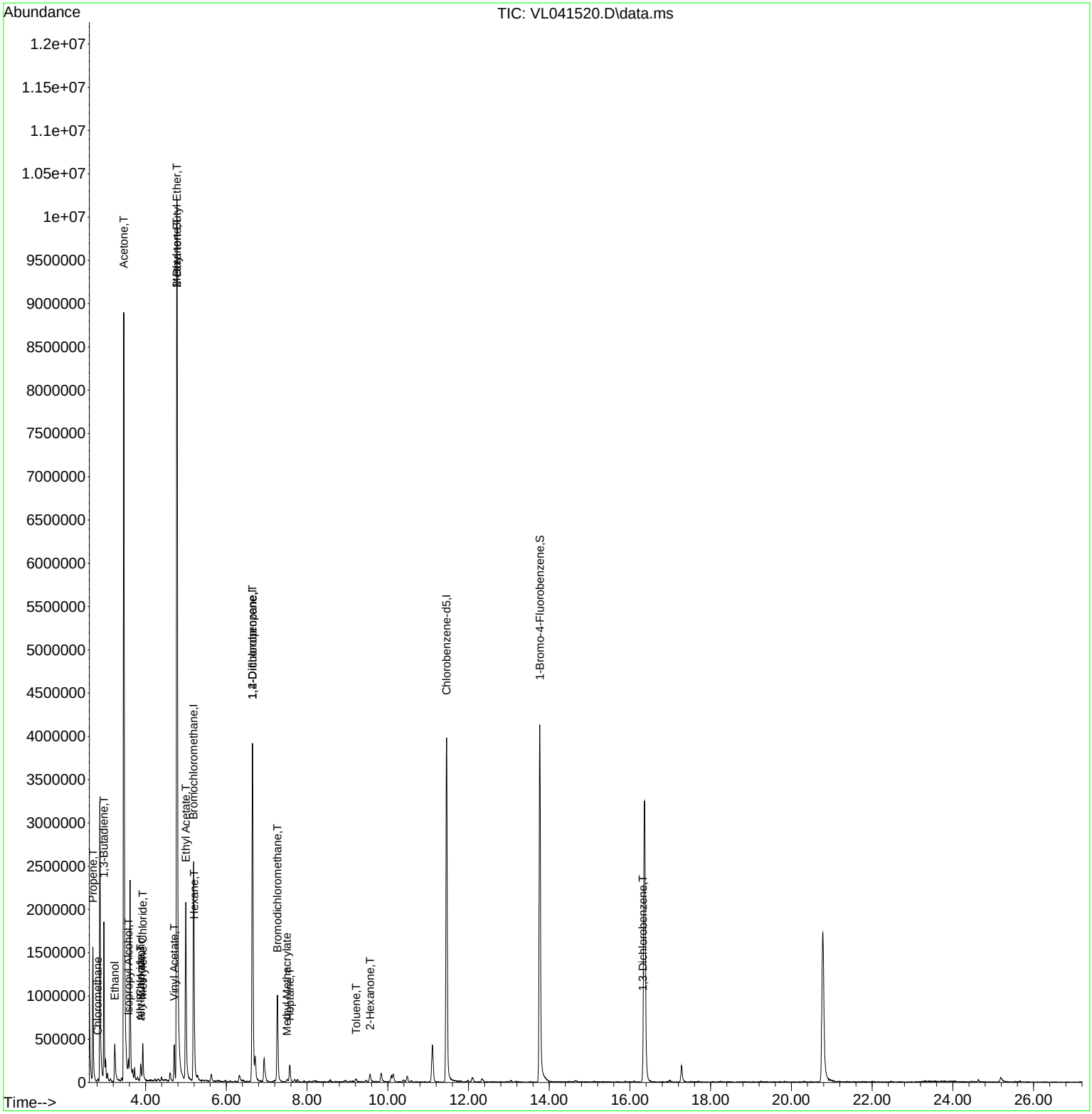
(#) = qualifier out of range (m) = manual integration (+) = signals summed

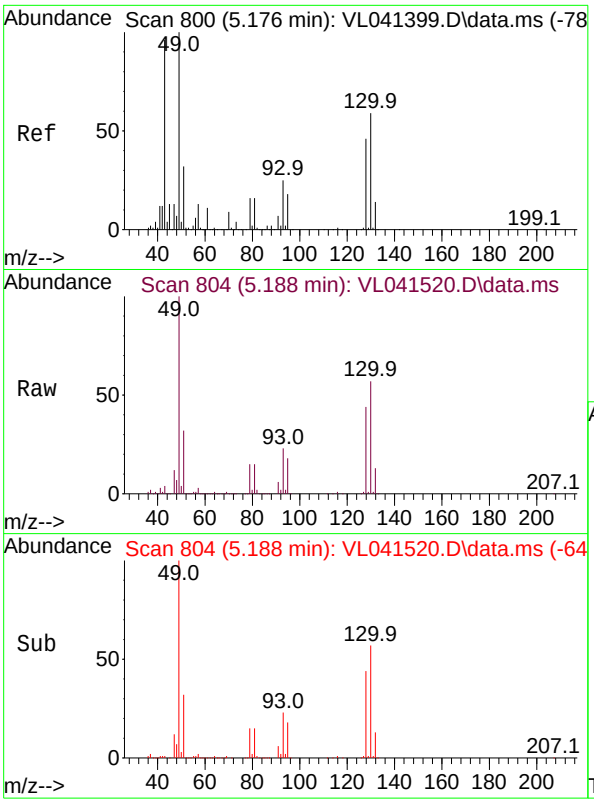
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041520.D
Acq On : 8 Aug 2024 19:57
Operator : SY/MD
Sample : P3496-06DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 09 05:59:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration



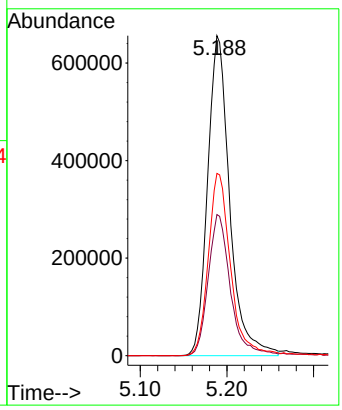


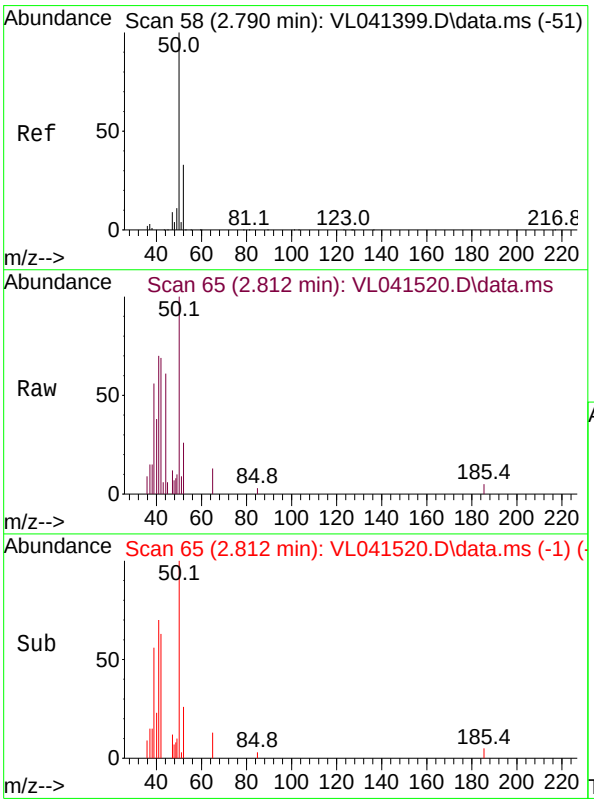
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 8
Delta R.T. -0.001 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1159553

Ion	Ratio	Lower	Upper
49	100		
128	45.3	23.8	71.4
130	58.6	30.8	92.4

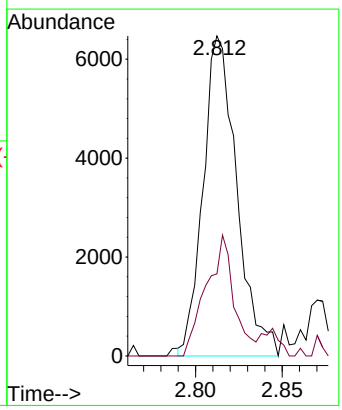


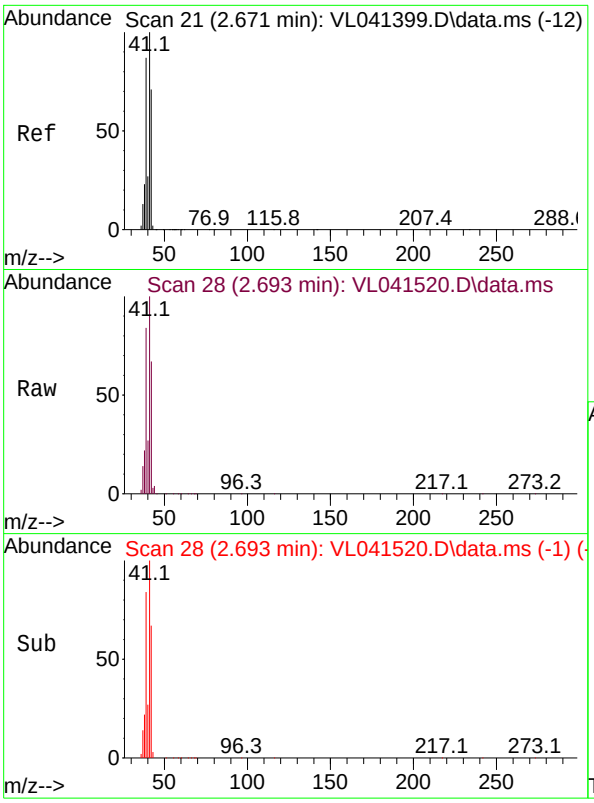


#4
Chloromethane
Concen: 0.119 ppbv
RT: 2.812 min Scan# 65
Delta R.T. -0.003 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 50 Resp: 8728

Ion	Ratio	Lower	Upper
50	100		
52	25.7	26.1	39.1#



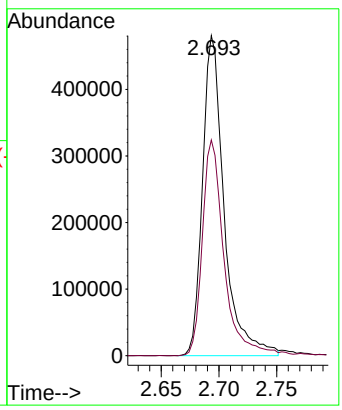


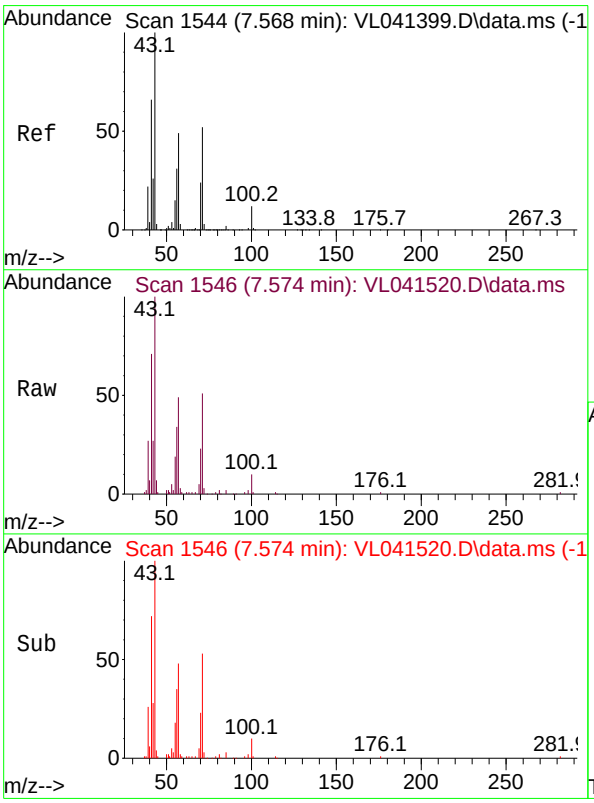
#9
Propene
Concen: 9.861 ppbv
RT: 2.693 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 625292

Ion	Ratio	Lower	Upper
41	100		
42	68.4	55.9	83.9

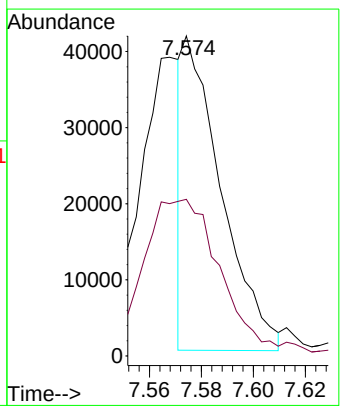


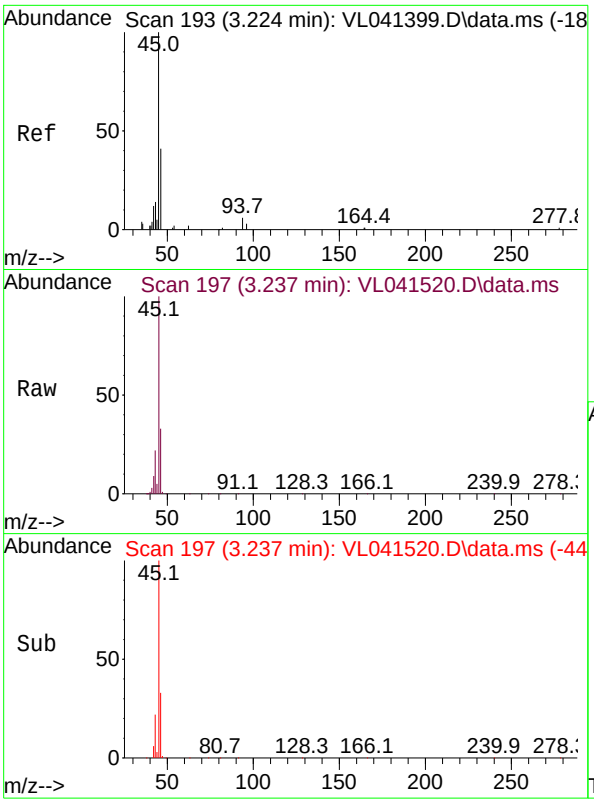


#10
Heptane
Concen: 0.297 ppbv
RT: 7.574 min Scan# 1546
Delta R.T. -0.000 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 43 Resp: 42322

Ion	Ratio	Lower	Upper
43	100		
57	106.9	40.5	60.7#



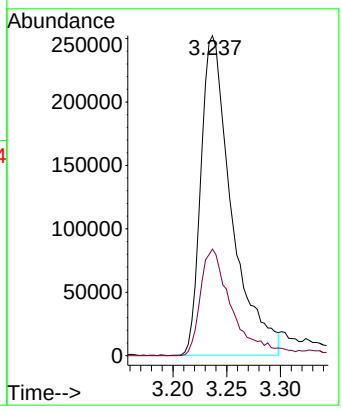


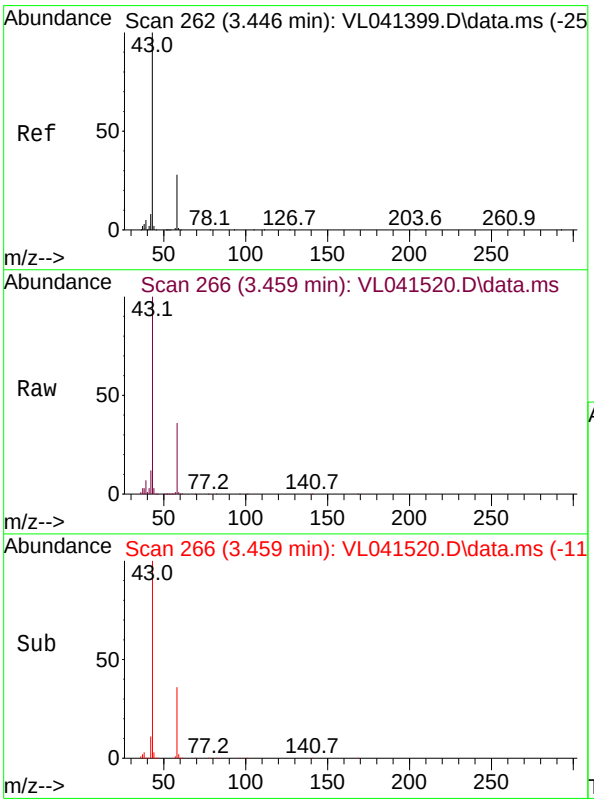
#13
Ethanol
Concen: 88.149 ppbv
RT: 3.237 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 499595

Ion	Ratio	Lower	Upper
45	100		
46	36.6	13.4	53.4

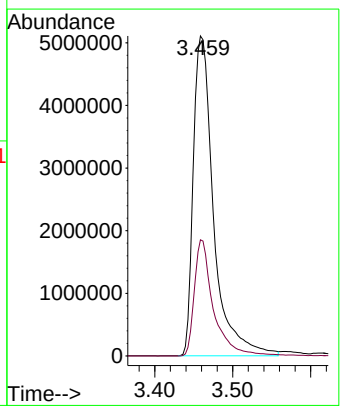


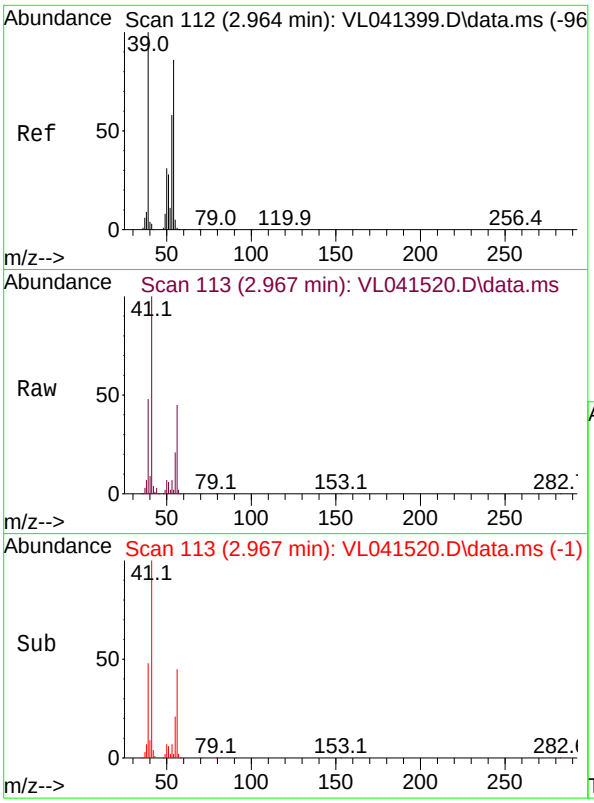


#15
Acetone
Concen: 70.325 ppbv
RT: 3.459 min Scan# 266
Delta R.T. -0.010 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 43 Resp: 9265319

Ion	Ratio	Lower	Upper
43	100		
58	34.6	21.4	32.2#



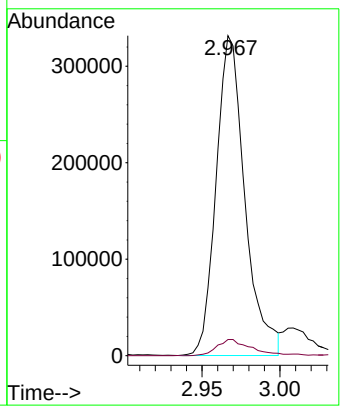


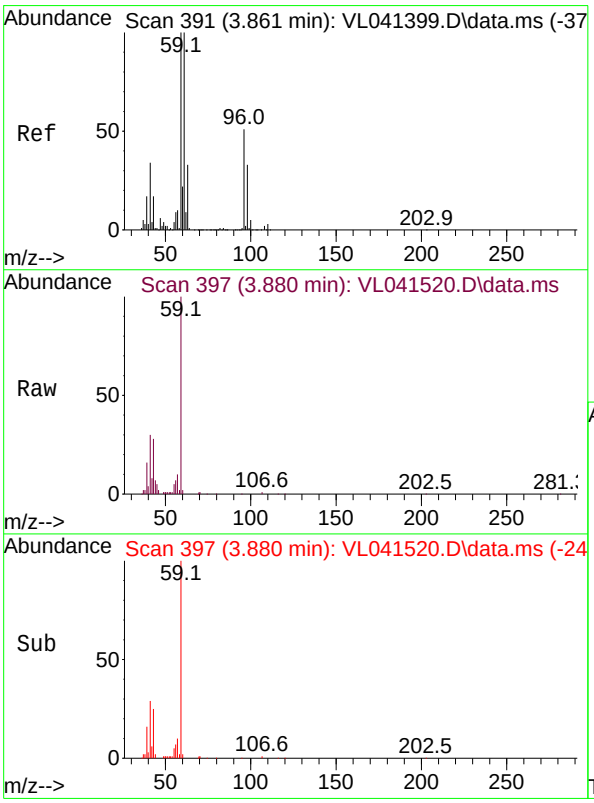
#16
1,3-Butadiene
Concen: 6.057 ppbv
RT: 2.967 min Scan# 1
Delta R.T. -0.019 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 426346

Ion	Ratio	Lower	Upper
39	100		
54	6.4	62.5	93.7#

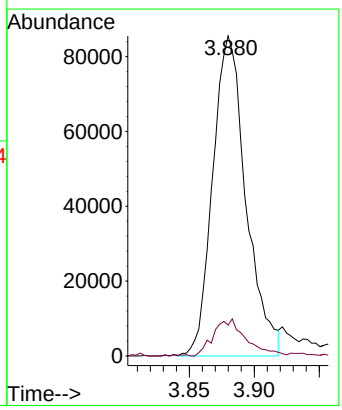


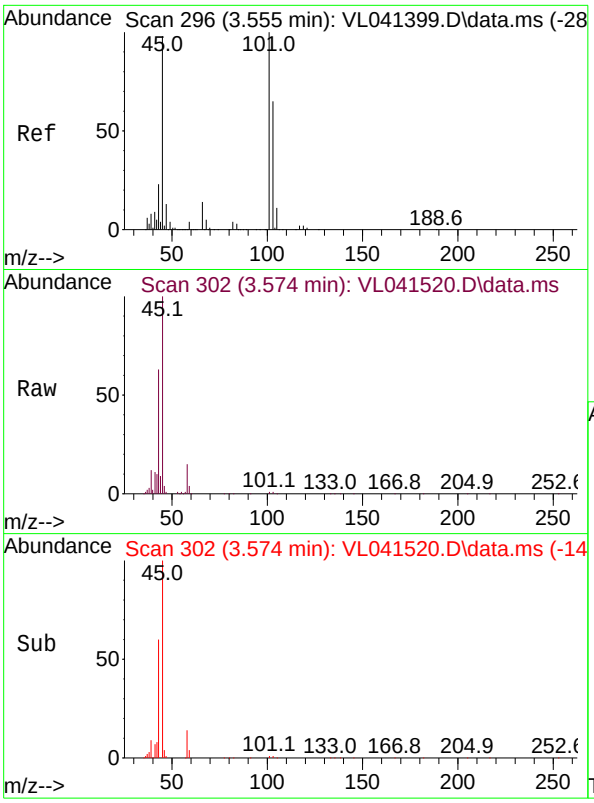


#17
tert-Butyl alcohol
Concen: 1.267 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.003 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 59 Resp: 152218

Ion	Ratio	Lower	Upper
59	100		
57	12.6	8.6	12.8



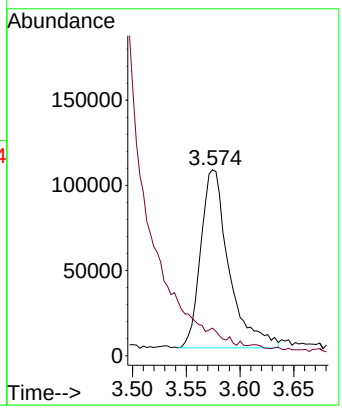


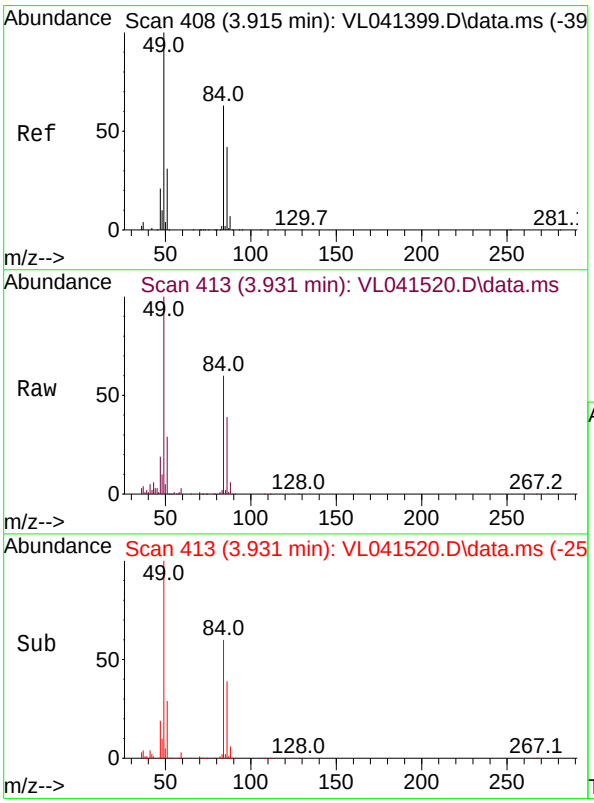
#19
Isopropyl Alcohol
Concen: 2.484 ppbv
RT: 3.574 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 191339

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.9	2.9#

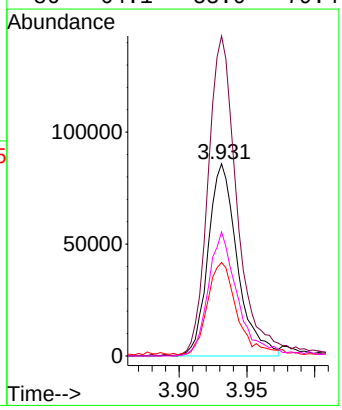


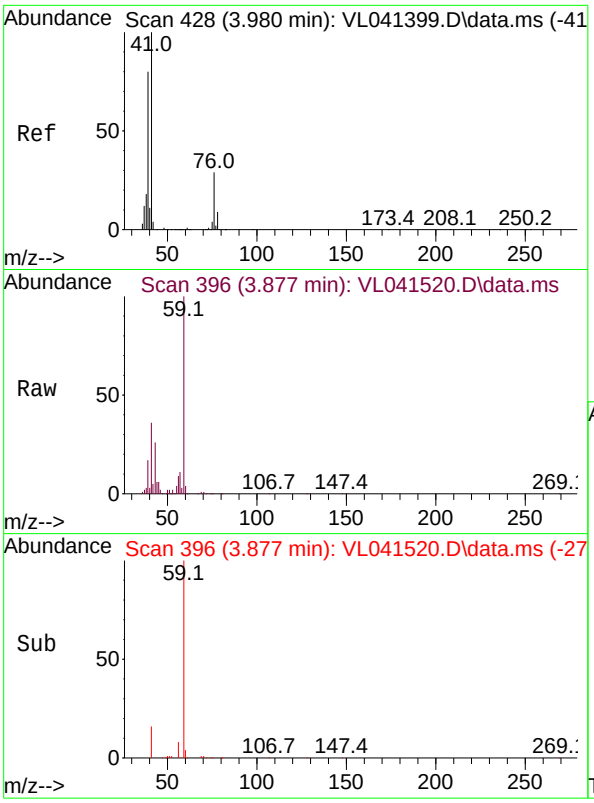


#20
Methylene Chloride
Concen: 2.625 ppbv
RT: 3.931 min Scan# 413
Delta R.T. -0.000 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 84 Resp: 128942

Ion	Ratio	Lower	Upper
84	100		
49	166.0	126.6	190.0
51	47.9	38.6	58.0
86	64.1	53.0	79.4



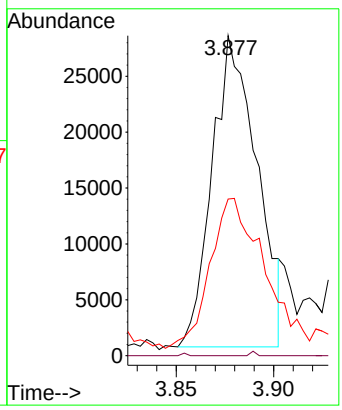


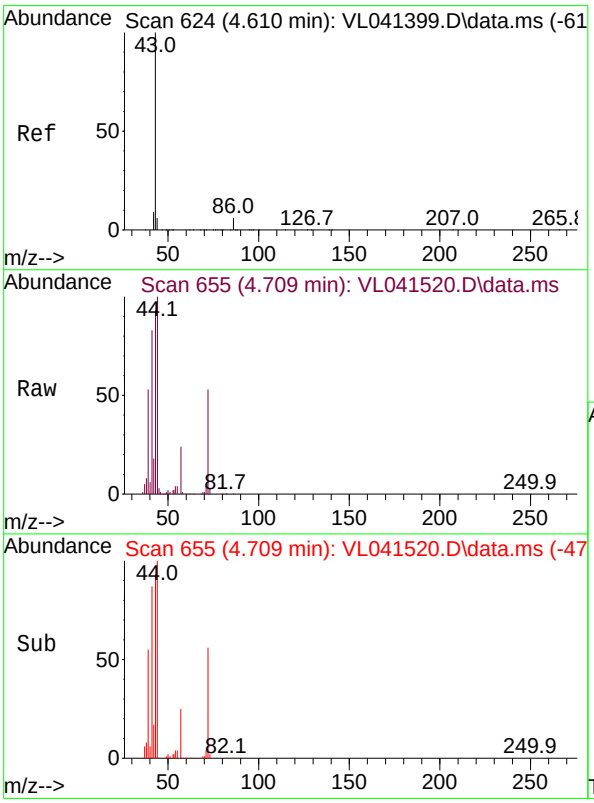
#21
Allyl Chloride
Concen: 0.514 ppbv
RT: 3.877 min Scan# 3
Delta R.T. -0.119 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 44395

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.7	35.5#
39	53.9	64.3	96.5#

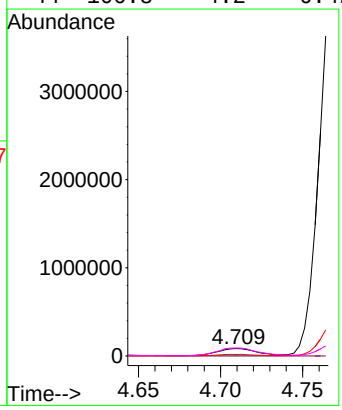


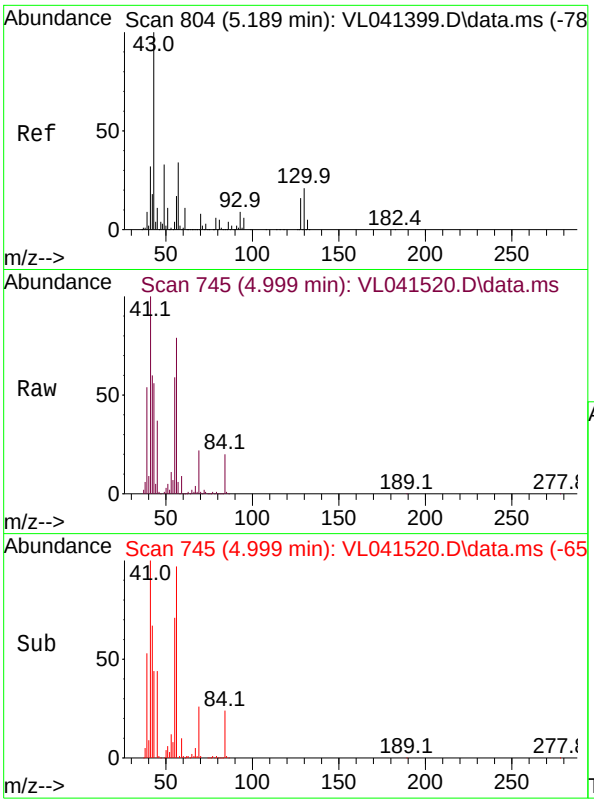


#23
Vinyl Acetate
Concen: 1.304 ppbv
RT: 4.709 min Scan# 655
Delta R.T. 0.083 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 43 Resp: 131183

Ion	Ratio	Lower	Upper
43	100		
86	0.3	4.6	6.8#
42	18.7	7.9	11.9#
44	106.8	4.2	6.4#



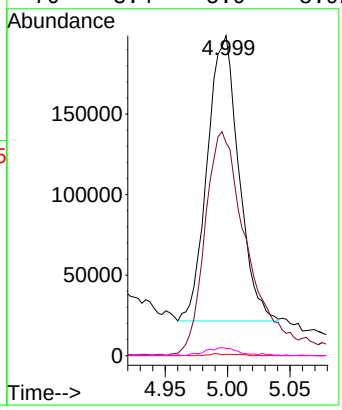


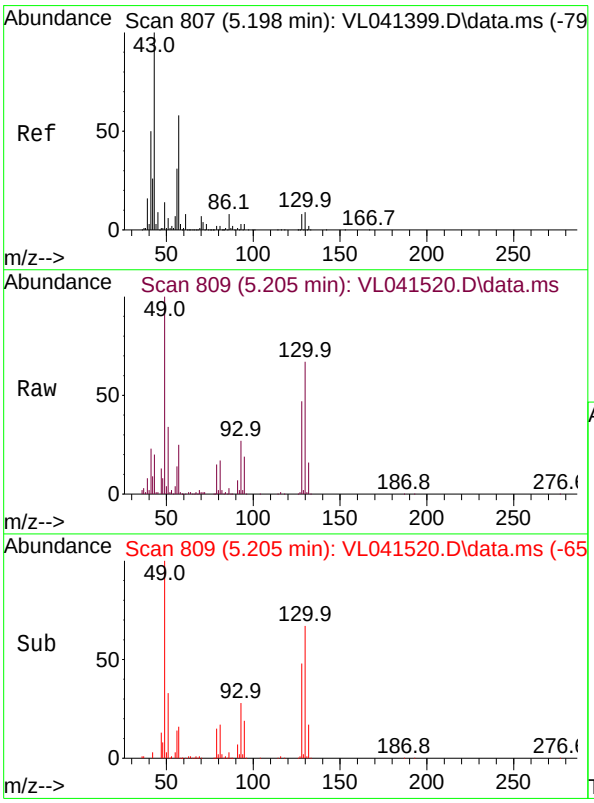
#25
Ethyl Acetate
Concen: 1.193 ppbv
RT: 4.999 min Scan# 7
Delta R.T. -0.203 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 312314

Ion	Ratio	Lower	Upper
43	100		
45	112.8	8.5	12.7#
61	0.6	8.0	12.0#
70	3.4	5.9	8.9#

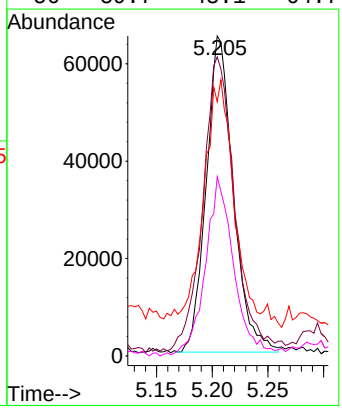


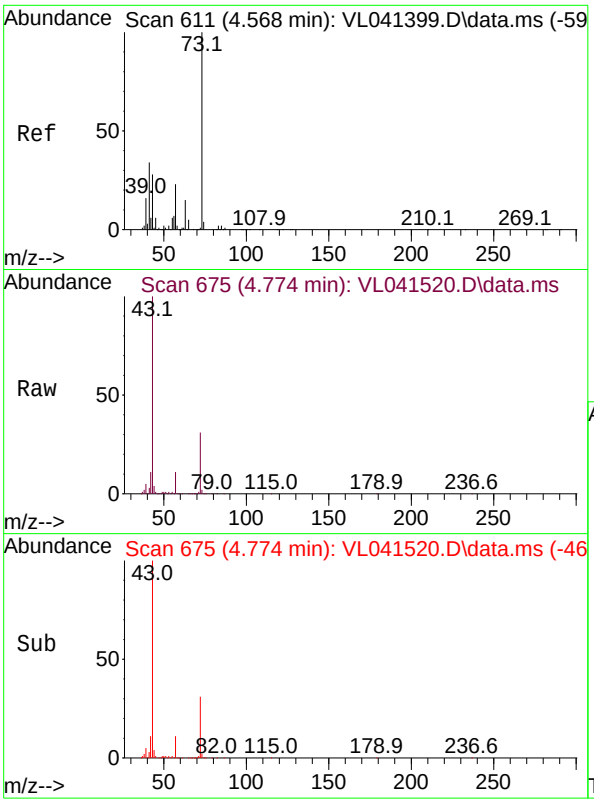


#26
Hexane
Concen: 1.011 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.007 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 57 Resp: 109748

Ion	Ratio	Lower	Upper
57	100		
41	109.6	74.0	111.0
43	0.0	193.6	290.4#
56	59.7	43.1	64.7



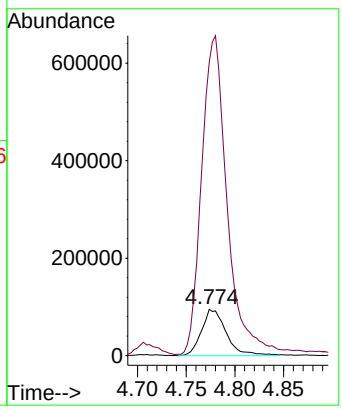


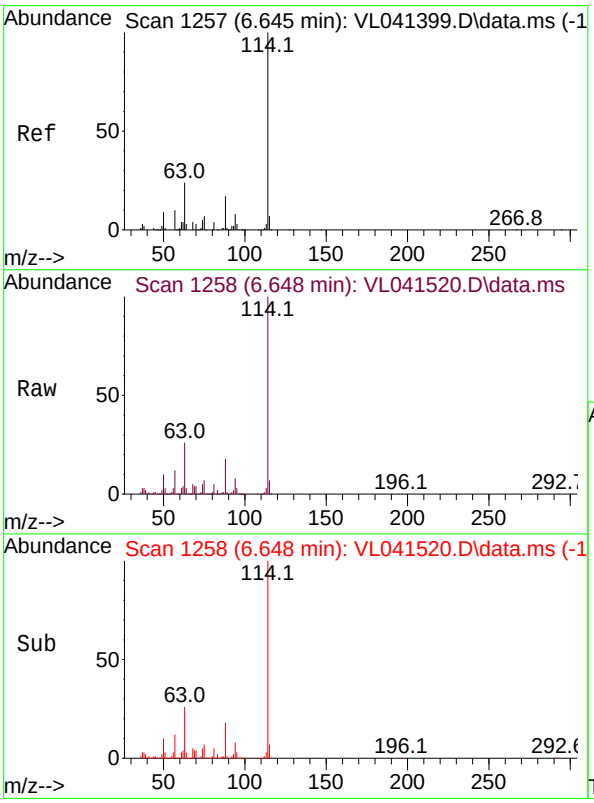
#28
Methyl tert-Butyl Ether
Concen: 2.450 ppbv
RT: 4.774 min Scan# 6
Delta R.T. 0.193 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 73 Resp: 167738

Ion	Ratio	Lower	Upper
73	100		
57	728.1	18.9	28.3#

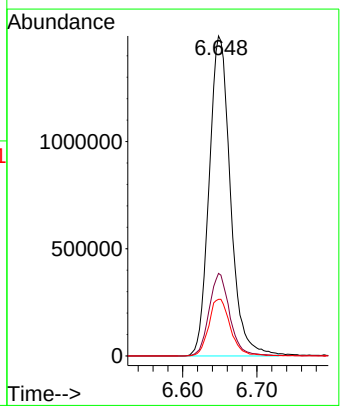


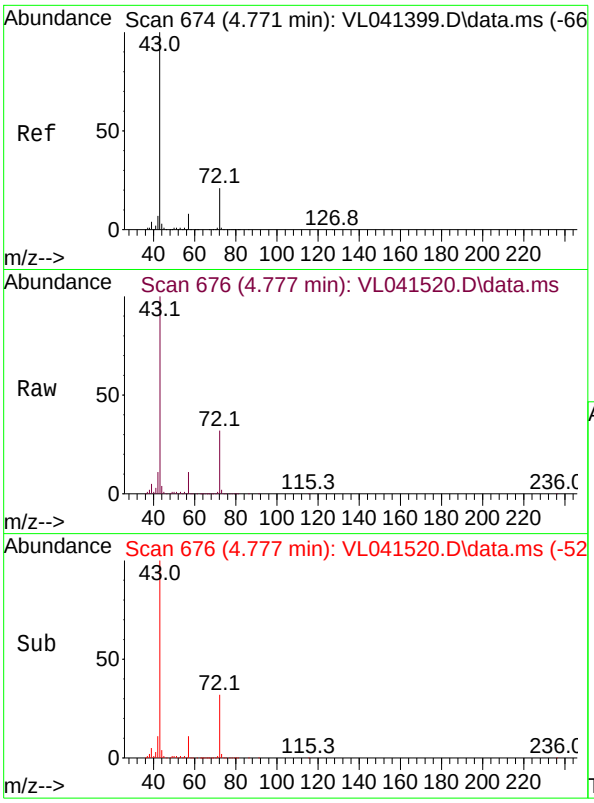


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion:114 Resp: 2968527

Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.3	30.5
88	18.1	14.3	21.5



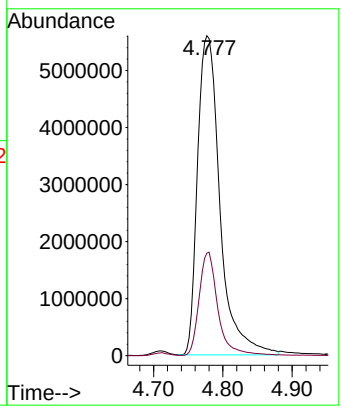


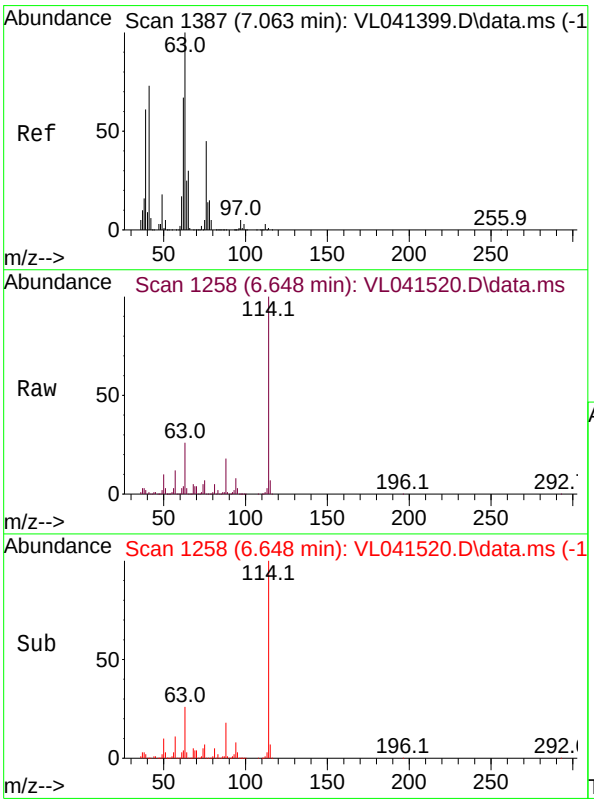
#34
2-Butanone
Concen: 87.839 ppbv
RT: 4.777 min Scan# 6
Delta R.T. -0.007 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp:12613546

Ion	Ratio	Lower	Upper
43	100		
72	27.2	17.3	25.9#

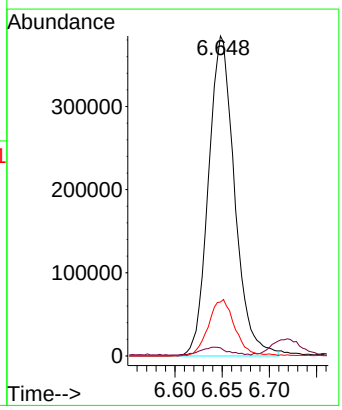


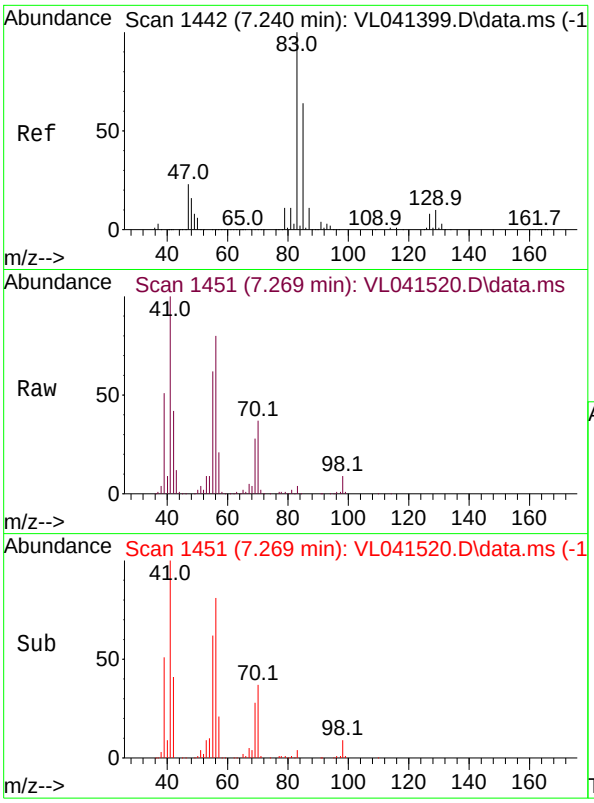


#39
1,2-Dichloropropane
Concen: 8.888 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.421 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 63 Resp: 738102

Ion	Ratio	Lower	Upper
63	100		
41	2.5	58.3	87.5#
62	16.8	53.9	80.9#



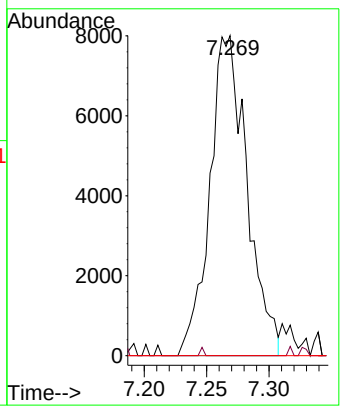


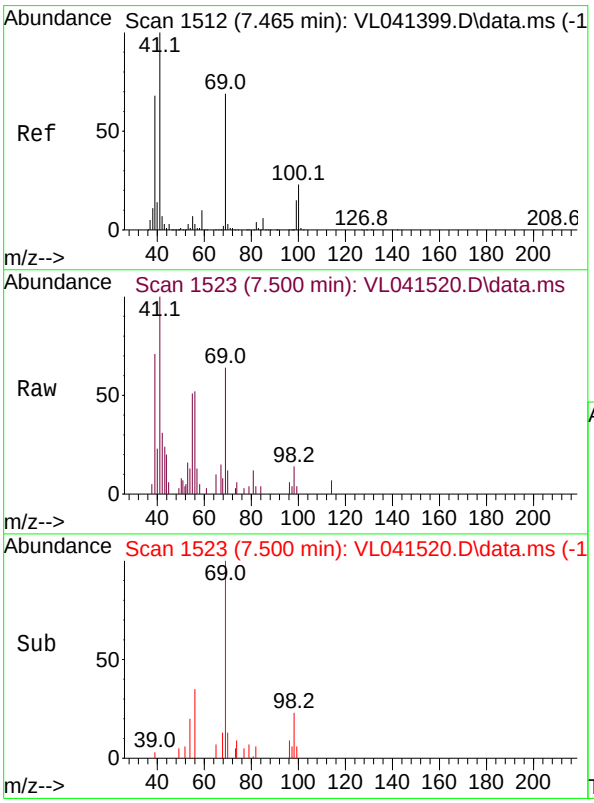
#42
Bromodichloromethane
Concen: 0.095 ppbv
RT: 7.269 min Scan# 14
Delta R.T. 0.022 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 16624

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.4	77.0#
127	0.0	6.7	10.1#

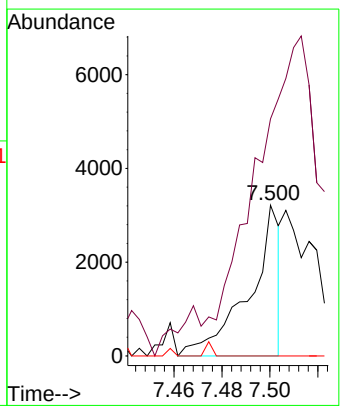


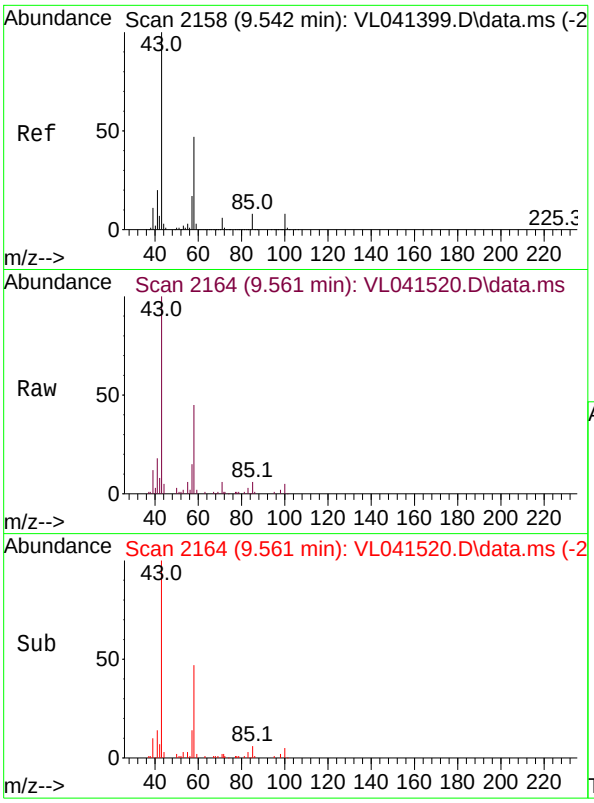


#43
Methyl Methacrylate
Concen: 0.036 ppbv
RT: 7.500 min Scan# 1523
Delta R.T. 0.032 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 69 Resp: 2839

Ion	Ratio	Lower	Upper
69	100		
41	2511.6	118.7	178.1#
100	361.7	27.0	40.4#



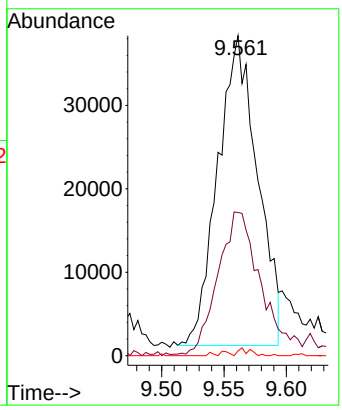


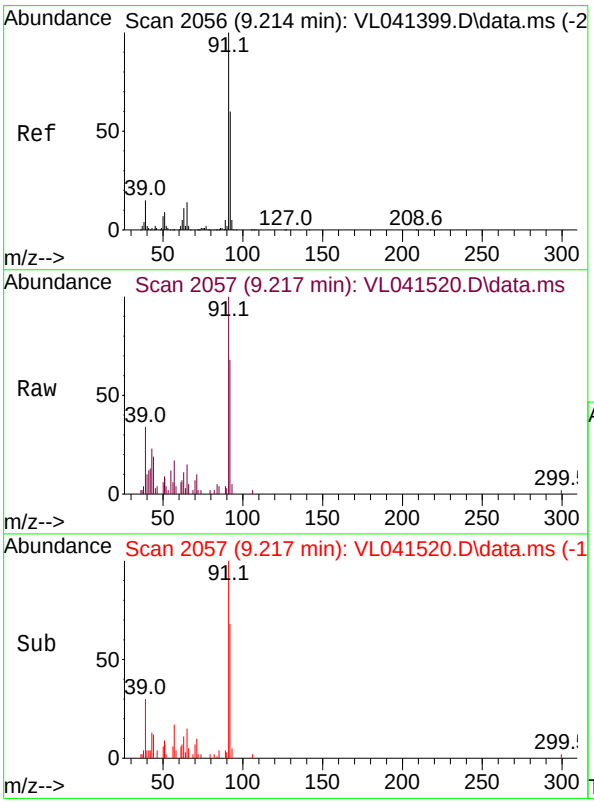
#51
2-Hexanone
Concen: 0.481 ppbv
RT: 9.561 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 82439

Ion	Ratio	Lower	Upper
43	100		
58	52.9	38.2	57.2
98	1.2	0.3	0.5#

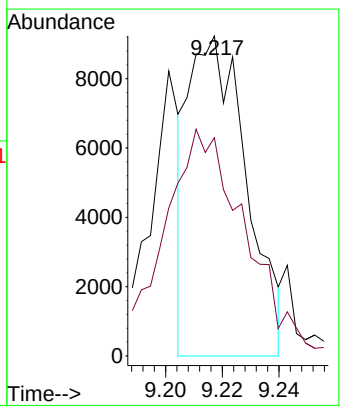


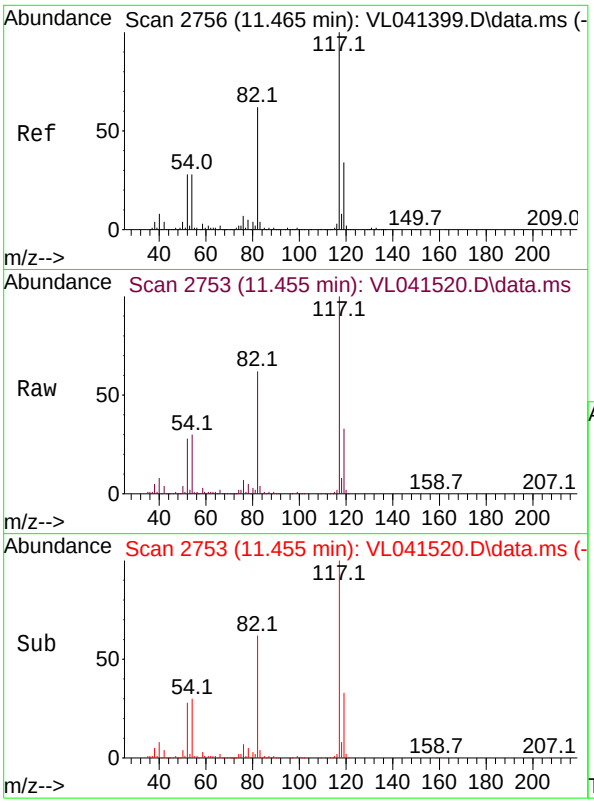


#53
Toluene
Concen: 0.054 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 91 Resp: 13109

Ion	Ratio	Lower	Upper
91	100		
92	103.7	48.7	73.1#



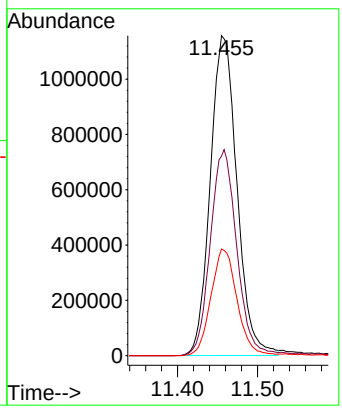


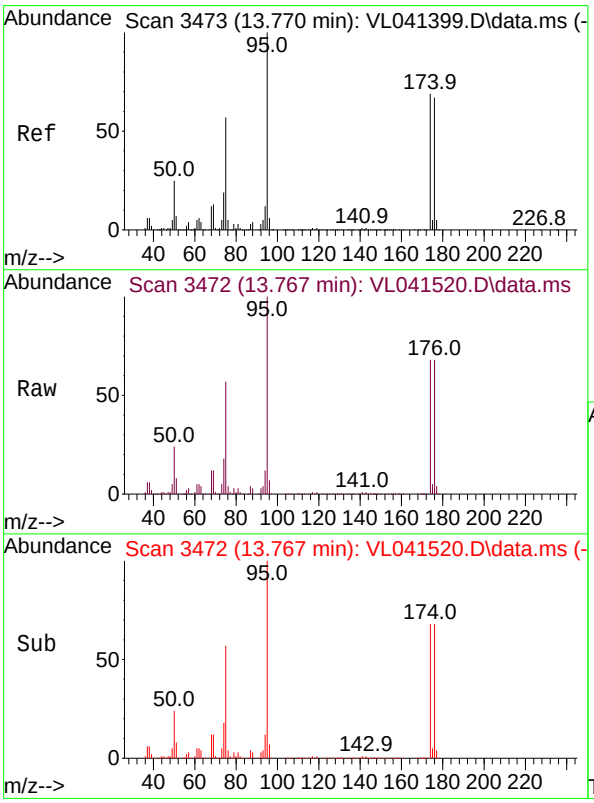
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2679635

Ion	Ratio	Lower	Upper
117	100		
82	65.0	51.0	76.6
119	33.5	45.2	67.8#

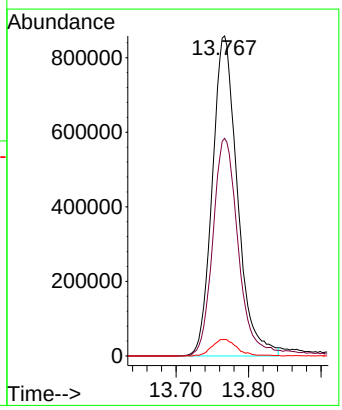


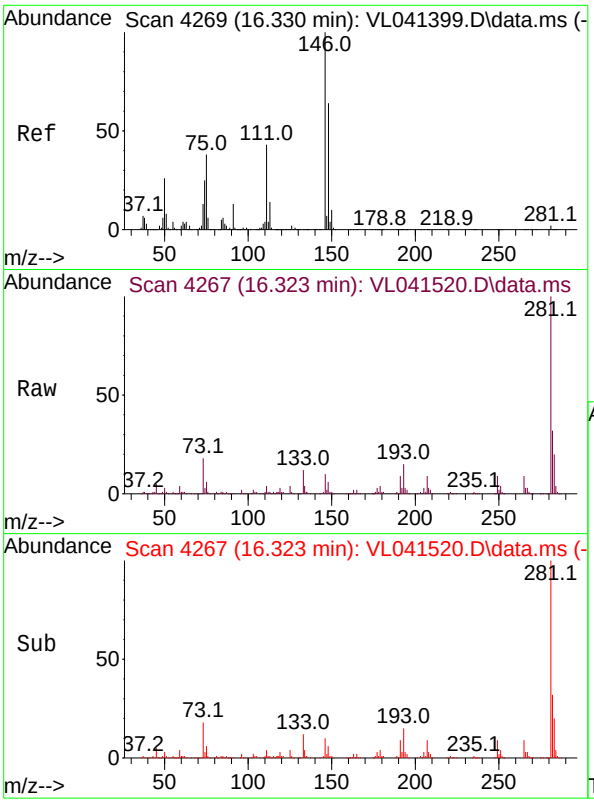


#68
1-Bromo-4-Fluorobenzene
Concen: 10.002 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.000 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Tgt Ion: 95 Resp: 2062584

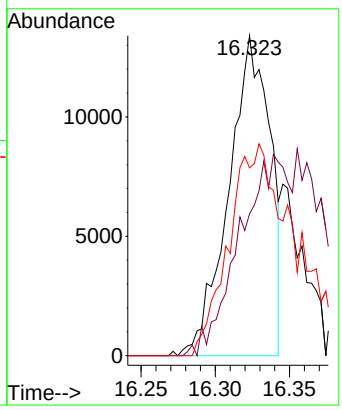
Ion	Ratio	Lower	Upper
95	100		
174	71.2	56.3	84.5
175	5.2	4.0	6.0





#75
1,3-Dichlorobenzene
Concen: 0.139 ppbv
RT: 16.323 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL041520.D
Acq: 8 Aug 2024 19:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 26059

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.6	67.8#
148	115.6	32.3	96.8#