Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091522\
Data File : VV027854.D
Acq On : 15 Sep 2022 14:37
Operator : SY/MD
Sample : N4652-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Quant Time: Sep 16 01:32:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 16 01:29:01 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	128800	5.000	ug/L	0.03
28) Chlorobenzene-d5	8.850	117	130137	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	78814	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	42711	5.031	ug/L	0.01
Spiked Amount 5.000	Range 40 - 130		Recovery = 100.600%			
7) Chloroethane-d5	1.568	69	36795	5.109	ug/L	0.01
Spiked Amount 5.000	Range 65 - 130		Recovery = 102.200%			
11) 1,1-Dichloroethene-d2	2.108	63	90969	5.049	ug/L	0.01
Spiked Amount 5.000	Range 60 - 125		Recovery = 101.000%			
20) 2-Butanone-d5	3.879	46	46327	24.622	ug/L	-0.06
Spiked Amount 50.000	Range 40 - 130		Recovery = 49.240%			
24) Chloroform-d	4.342	84	87896	5.056	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 101.200%			
26) 1,2-Dichloroethane-d4	5.031	65	42368	4.577	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 91.600%			
32) Benzene-d6	5.043	84	162608	4.307	ug/L	0.01
Spiked Amount 5.000	Range 70 - 125		Recovery = 86.200%			
36) 1,2-Dichloropropane-d6	6.063	67	47196	4.270	ug/L	0.02
Spiked Amount 5.000	Range 60 - 140		Recovery = 85.400%			
41) Toluene-d8	7.313	98	135259	4.261	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 85.200%			
43) trans-1,3-Dichloroprop...	7.622	79	15344	4.138	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 82.800%			
46) 2-Hexanone-d5	8.088	63	60433	43.842	ug/L	-0.02
Spiked Amount 50.000	Range 45 - 130		Recovery = 87.680%			
56) 1,1,2,2-Tetrachloroeth...	10.214	84	32374	4.561	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 91.200%			
66) 1,2-Dichlorobenzene-d4	11.622	152	63829	4.930	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 98.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	1601	0.127	ug/L	90
5) Vinyl chloride	1.310	62	1076465	92.831	ug/L	99
8) Chloroethane	1.584	64	4198071	630.458	ug/L	96
9) Trichlorofluoromethane	1.751	101	5166	0.275	ug/L	100
12) 1,1-Dichloroethene	2.117	96	60315	7.066	ug/L	82
16) Methylene chloride	2.503	84	4908	0.446	ug/L	85
17) Methyl tert-butyl Ether	2.767	73	4629	0.228	ug/L #	90
18) trans-1,2-Dichloroethene	2.757	96	68835	7.636	ug/L	89
19) 1,1-Dichloroethane	3.185	63	7007941	414.257	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	3447594	350.909	ug/L #	88
27) 1,2-Dichloroethane	5.130	62	17941	1.577	ug/L	95
29) 1,1,1-Trichloroethane	4.603	97	4643890	232.021	ug/L	96
33) Benzene	5.098	78	27364	0.637	ug/L	100
34) Trichloroethene	5.911	95	57314	5.328	ug/L	96
35) Methylcyclohexane	6.127	83	13984	0.846	ug/L	94
42) Toluene	7.381	91	1816359	43.627	ug/L	100
47) Tetrachloroethene	7.973	164	137906	15.974	ug/L	97
52) Ethylbenzene	9.008	91	410309	9.503	ug/L	99
53) m,p-Xylene	9.133	106	349298	20.567	ug/L	99

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Operator : SY/MD
Sample : N4652-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Quant Time: Sep 16 01:32:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 16 01:29:01 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54)	o-Xylene	9.542	106	229996	14.207	ug/L	99
60)	Isopropylbenzene	9.931	105	60501	1.227	ug/L	99
62)	1,3,5-Trimethylbenzene	10.535	105	200418	14.432	ug/L	99
63)	1,2,4-Trimethylbenzene	10.911	105	1005803	25.480	ug/L	98
67)	1,2-Dichlorobenzene	11.641	146	37848	1.669	ug/L	99

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

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Quant Title : TRACE VOA SFAM1.0
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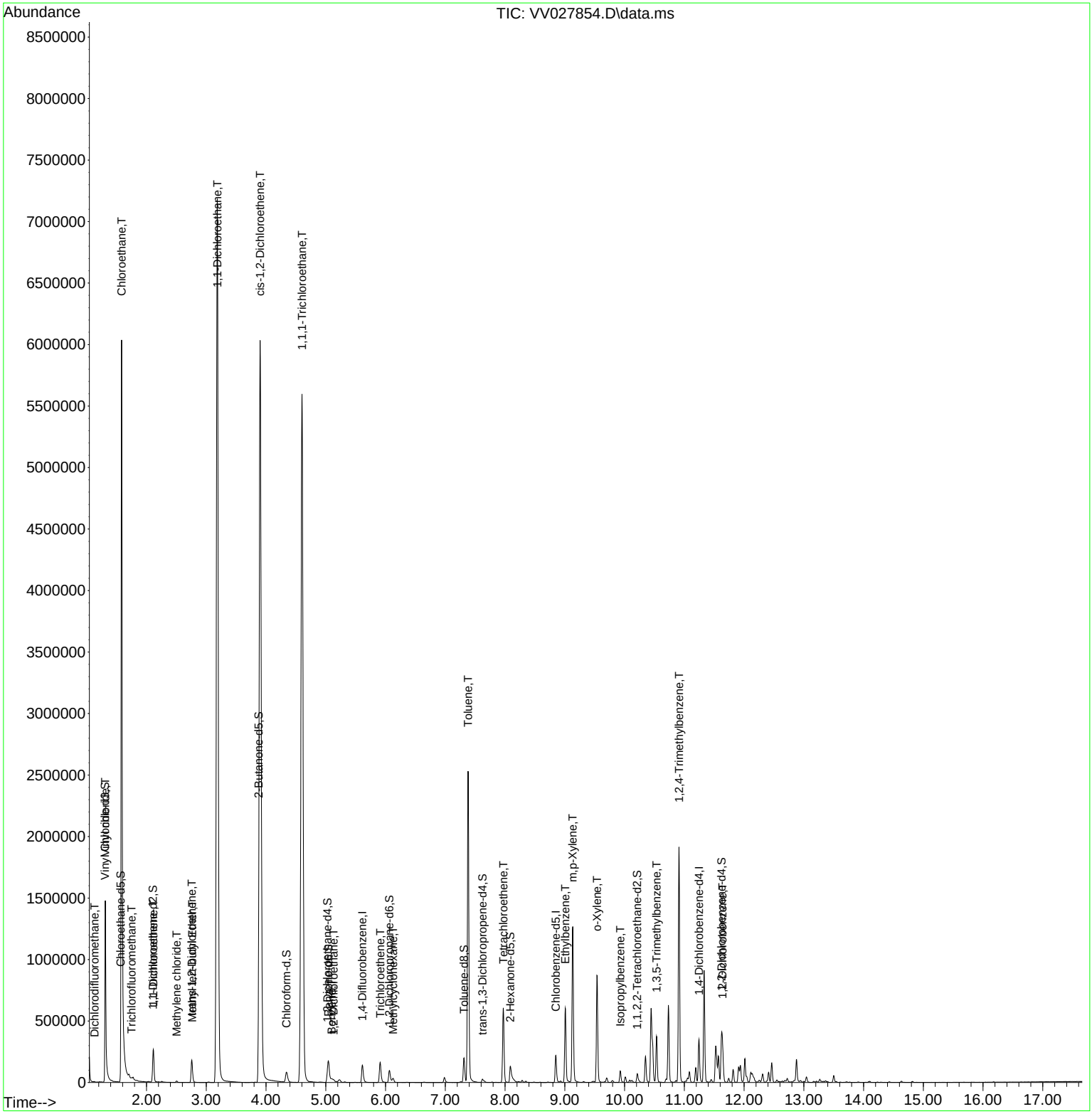
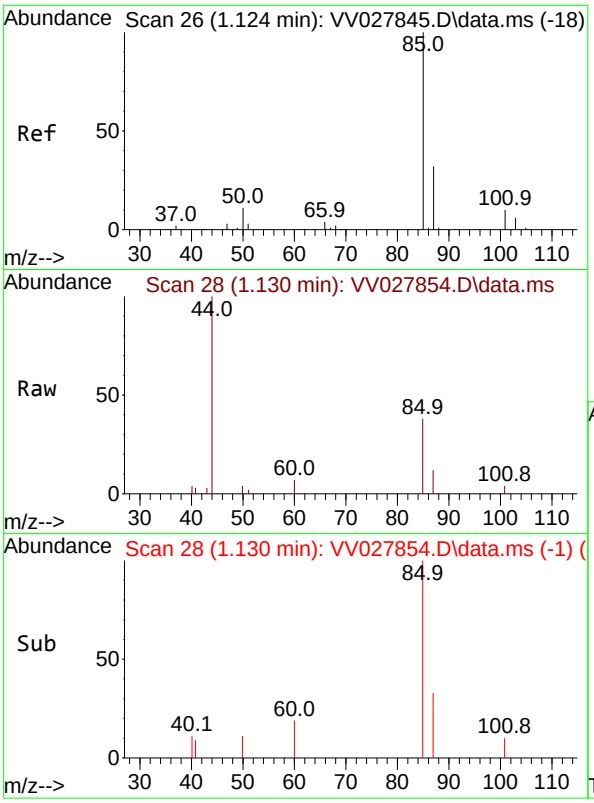
Response via : Initial Calibration



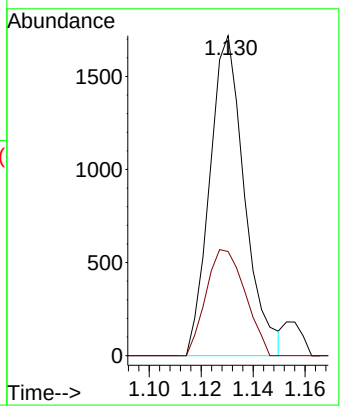


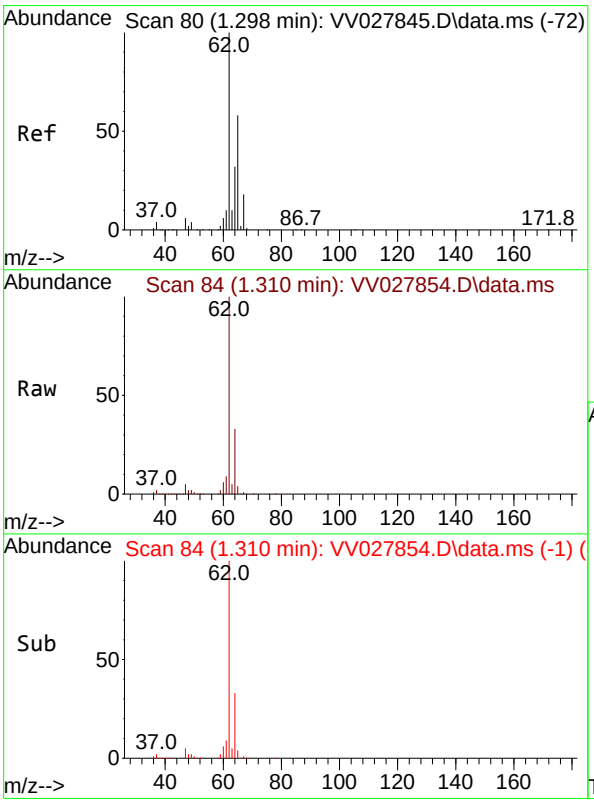
#2
Dichlorodifluoromethane
Concen: 0.127 ug/L
RT: 1.130 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion: 85 Resp: 1601

Ion	Ratio	Lower	Upper
85	100		
87	37.2	25.4	38.0

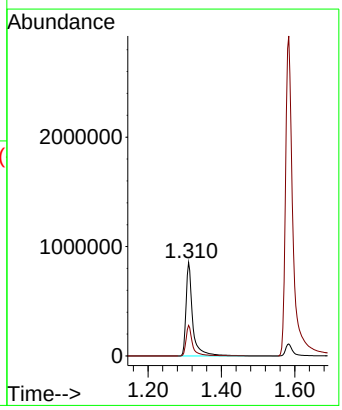


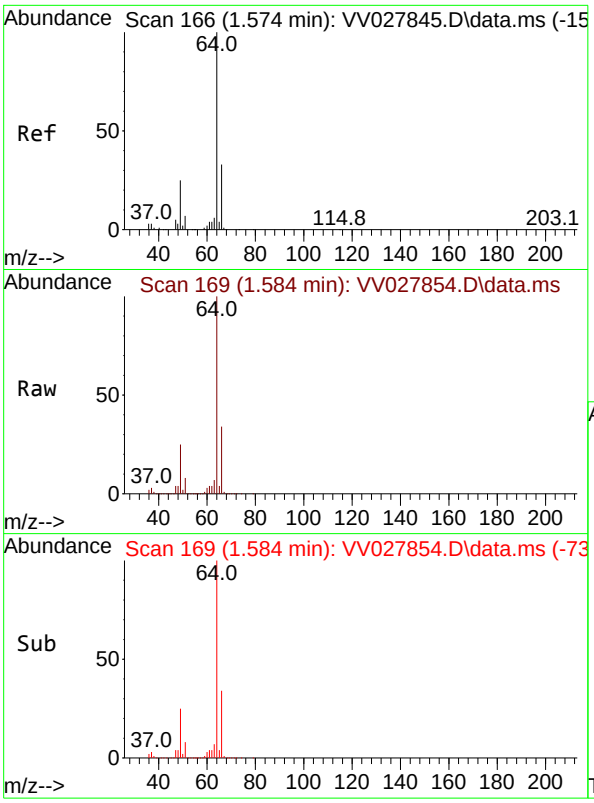


#5
Vinyl chloride
Concen: 92.831 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.013 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion: 62 Resp: 1076465

Ion	Ratio	Lower	Upper
62	100		
64	32.7	23.2	43.2



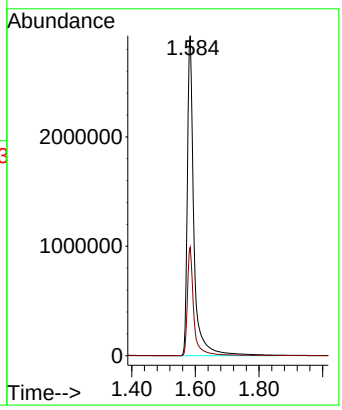


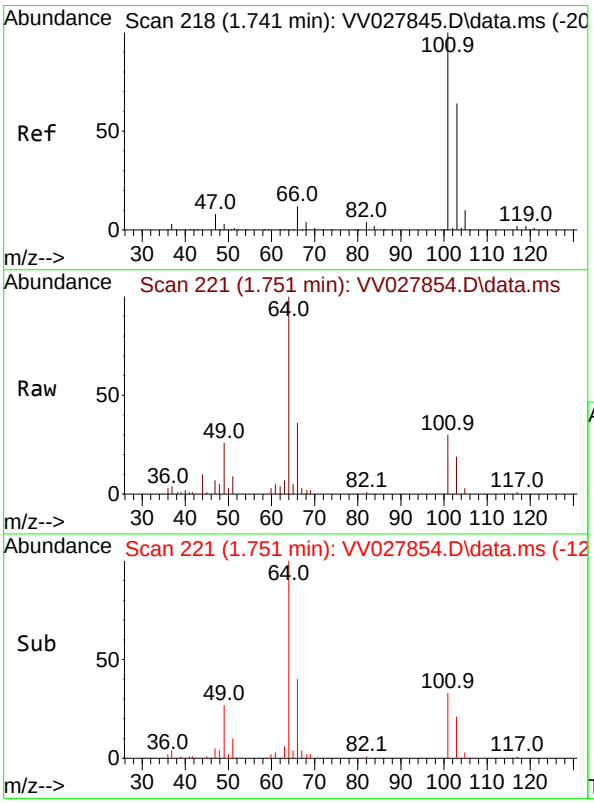
#8
Chloroethane
Concen: 630.458 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion: 64 Resp: 4198071

Ion	Ratio	Lower	Upper
64	100		
66	33.9	22.1	41.1

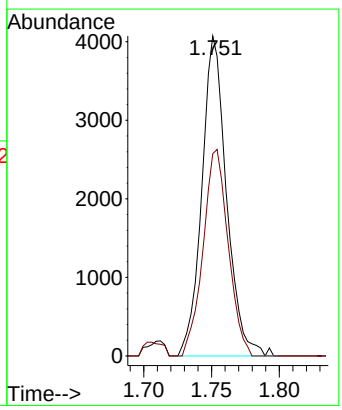


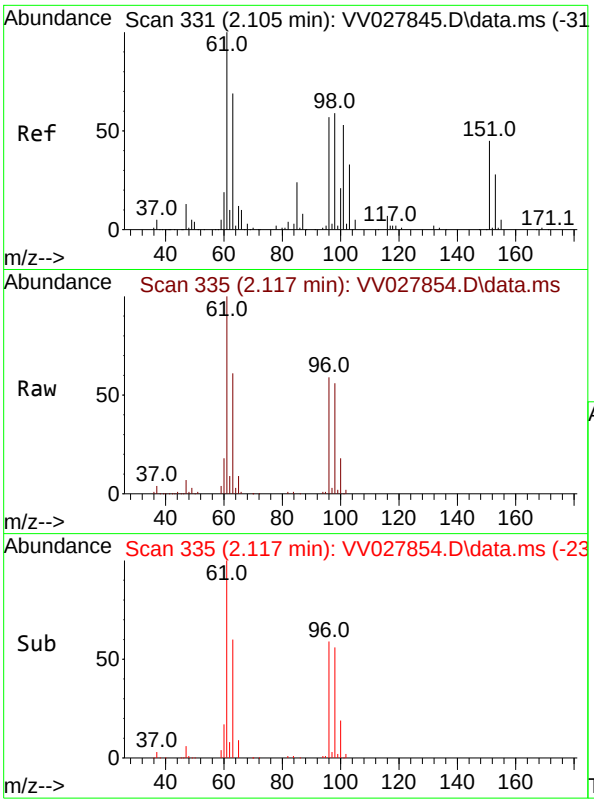


#9
Trichlorofluoromethane
Concen: 0.275 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.010 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion:101 Resp: 5166

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.3	78.5



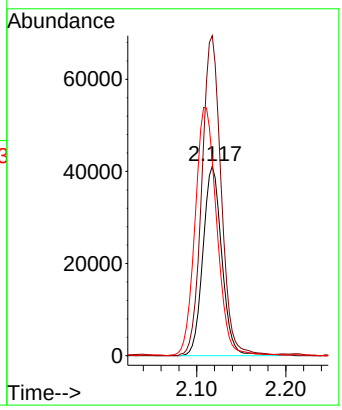


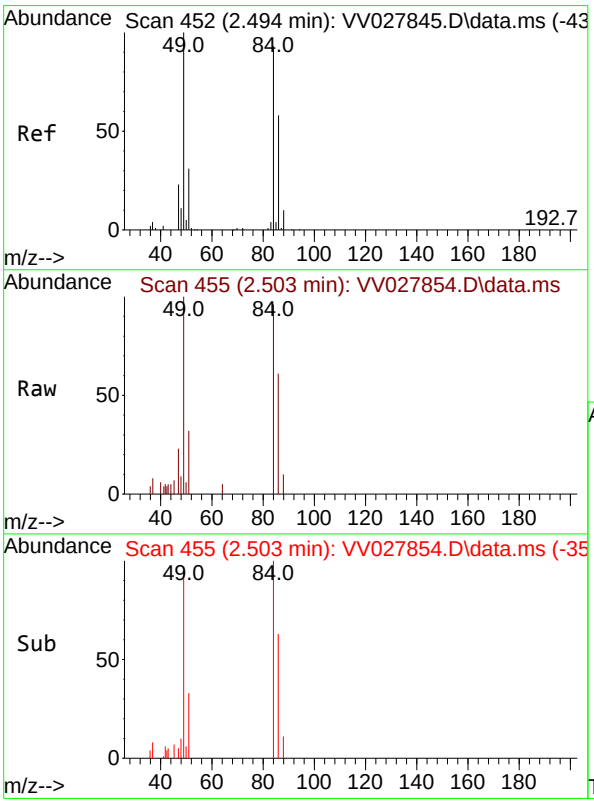
#12
1,1-Dichloroethene
Concen: 7.066 ug/L
RT: 2.117 min Scan# 3
Delta R.T. 0.013 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion: 96 Resp: 60315

Ion	Ratio	Lower	Upper
96	100		
61	169.0	129.9	241.3
63	102.9	94.6	175.8

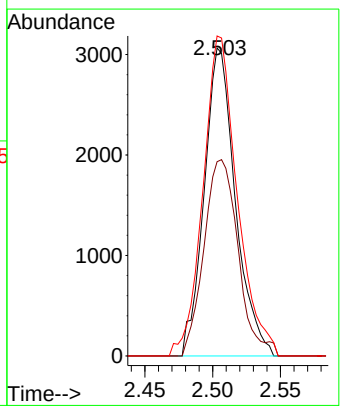


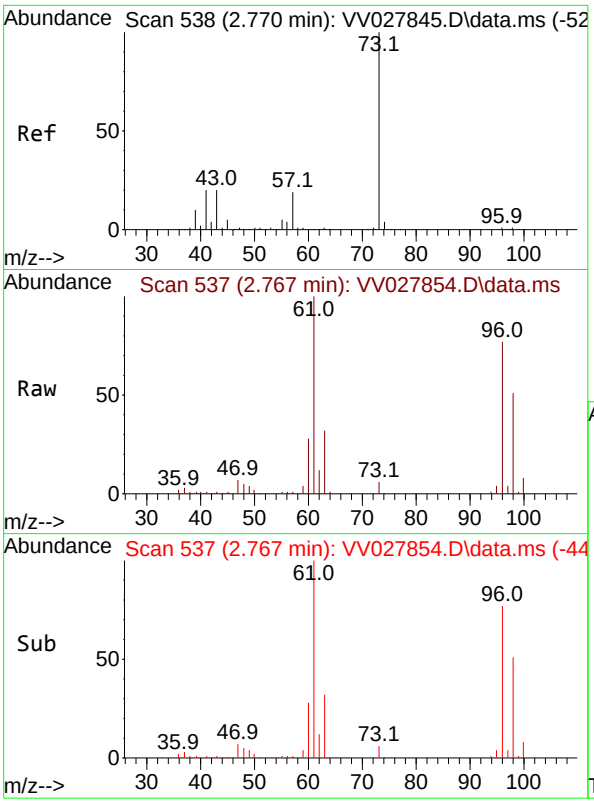


#16
Methylene chloride
Concen: 0.446 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.010 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion: 84 Resp: 4908

Ion	Ratio	Lower	Upper
84	100		
86	63.0	44.9	83.3
49	103.9	90.1	167.3



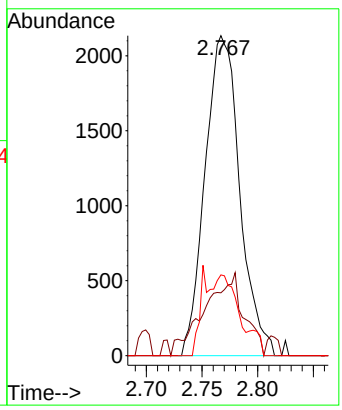


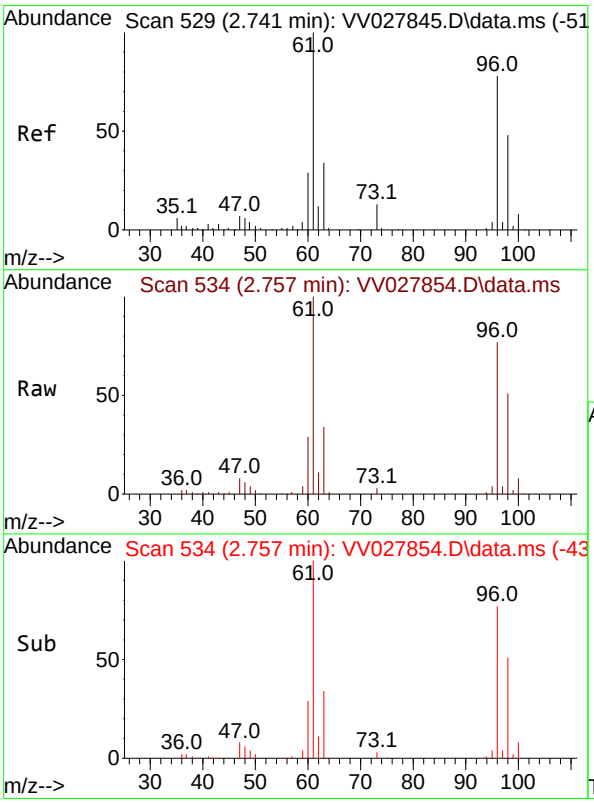
#17
Methyl tert-butyl Ether
Concen: 0.228 ug/L
RT: 2.767 min Scan# 5
Delta R.T. -0.003 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion: 73 Resp: 4629

Ion	Ratio	Lower	Upper
73	100		
43	29.1	17.5	26.3#
57	19.1	16.9	25.3

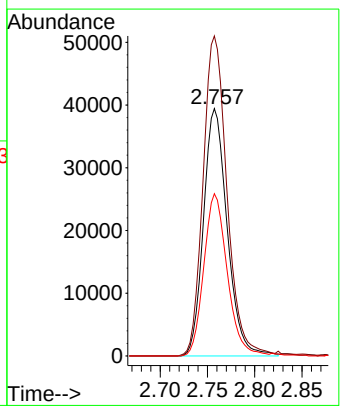


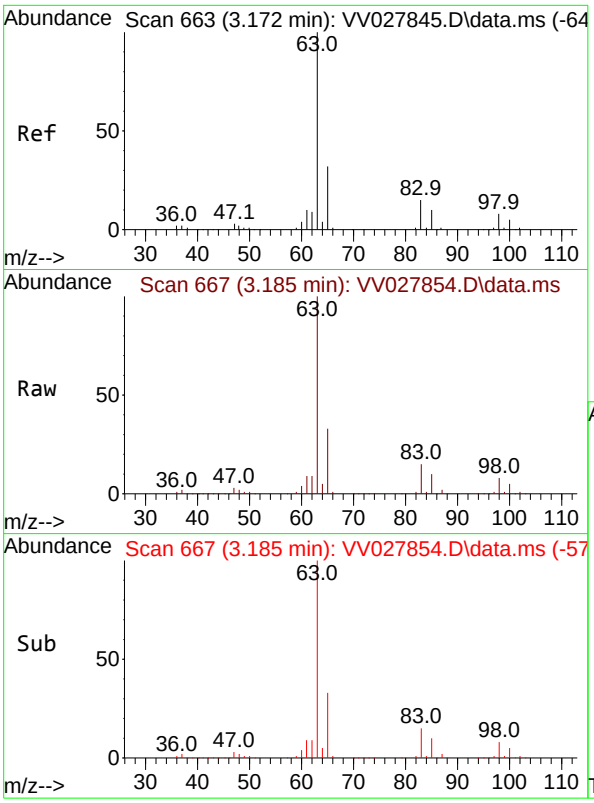


#18
trans-1,2-Dichloroethene
Concen: 7.636 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.016 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion: 96 Resp: 68835

Ion	Ratio	Lower	Upper
96	100		
61	129.3	102.6	190.5
98	65.6	44.0	81.8



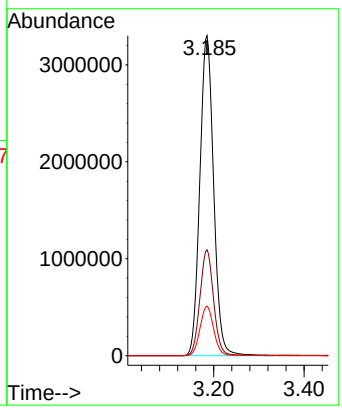


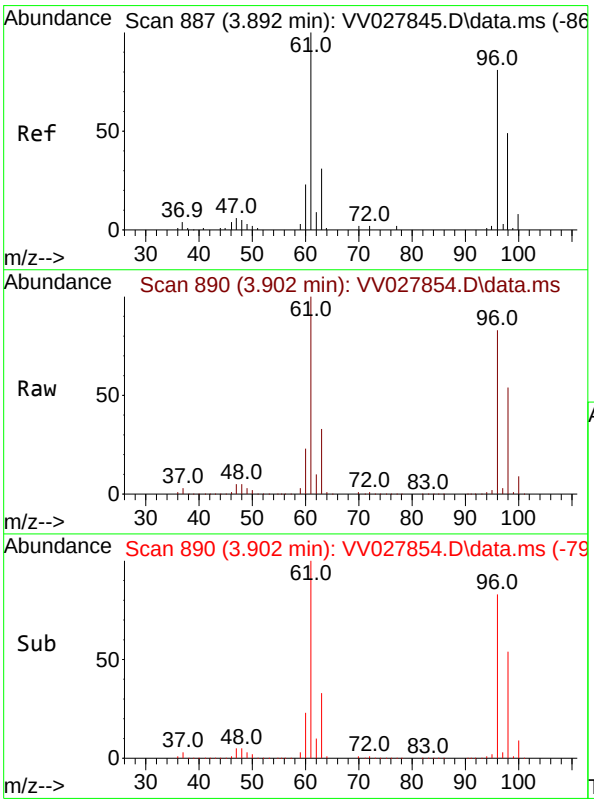
#19
1,1-Dichloroethane
Concen: 414.257 ug/L
RT: 3.185 min Scan# 6
Delta R.T. 0.013 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion: 63 Resp: 7007941

Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.0	41.0
83	15.5	10.1	18.9

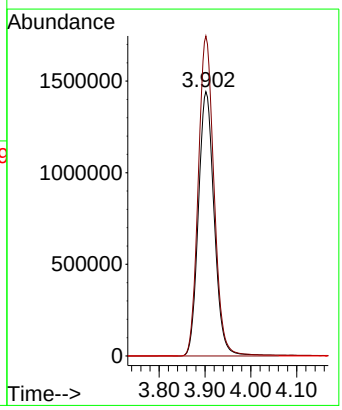


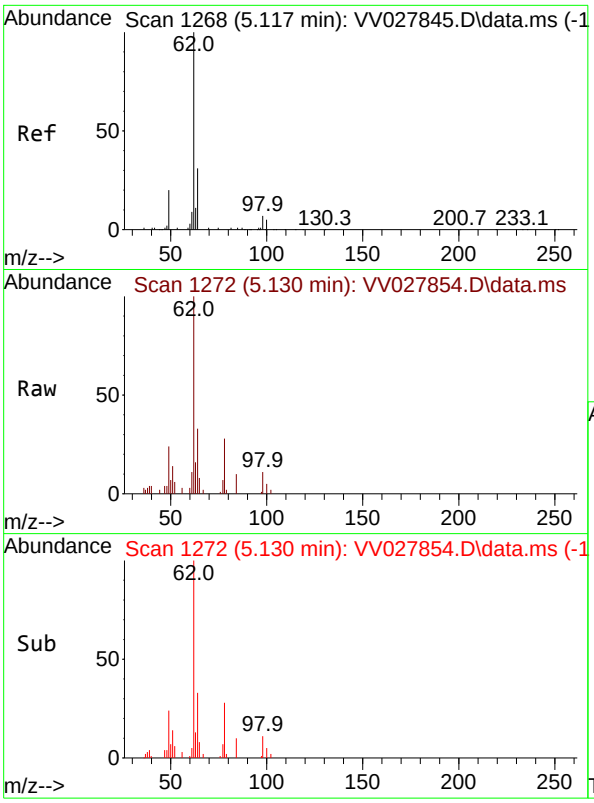


#22
cis-1,2-Dichloroethene
Concen: 350.909 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.010 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion: 96 Resp: 3447594

Ion	Ratio	Lower	Upper
96	100		
61	121.0	94.6	175.6
68	0.0	0.3	0.5#



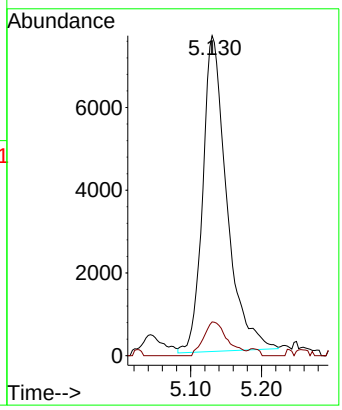


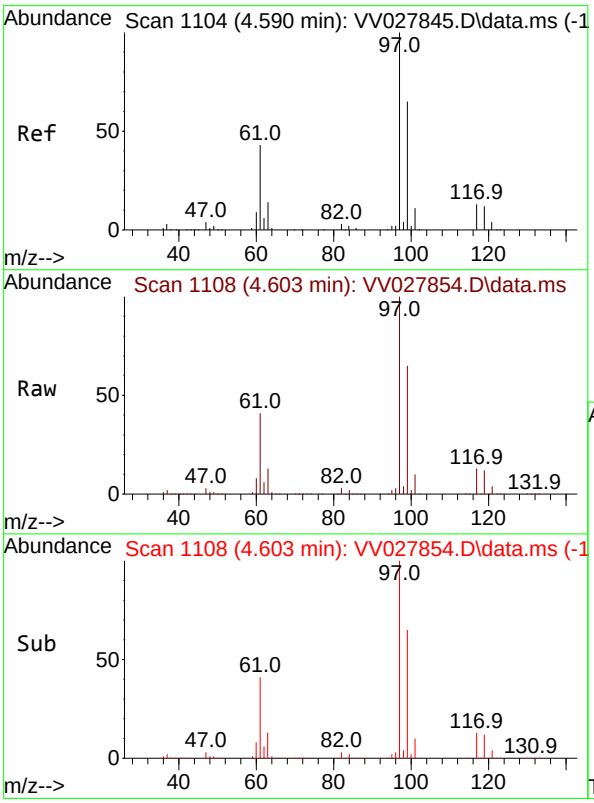
#27
1,2-Dichloroethane
Concen: 1.577 ug/L
RT: 5.130 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion: 62 Resp: 17941

Ion	Ratio	Lower	Upper
62	100		
98	10.6	7.1	10.7

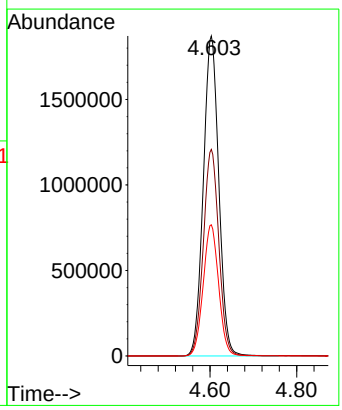


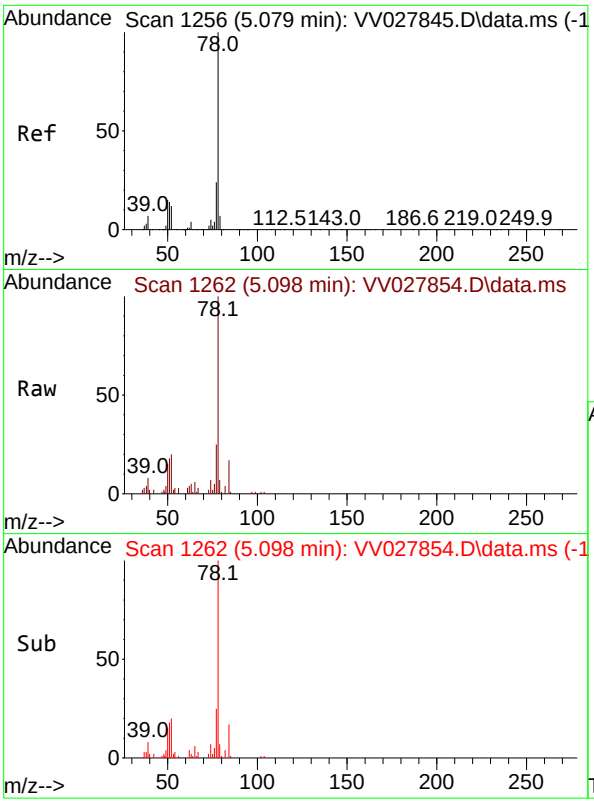


#29
1,1,1-Trichloroethane
Concen: 232.021 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. 0.013 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion: 97 Resp: 4643890

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	40.9	36.2	54.4

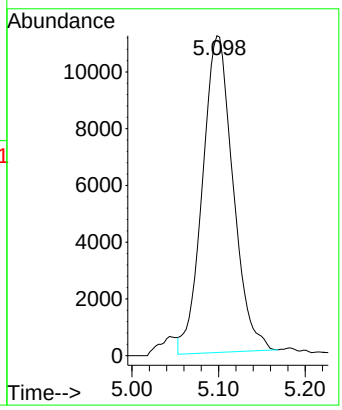


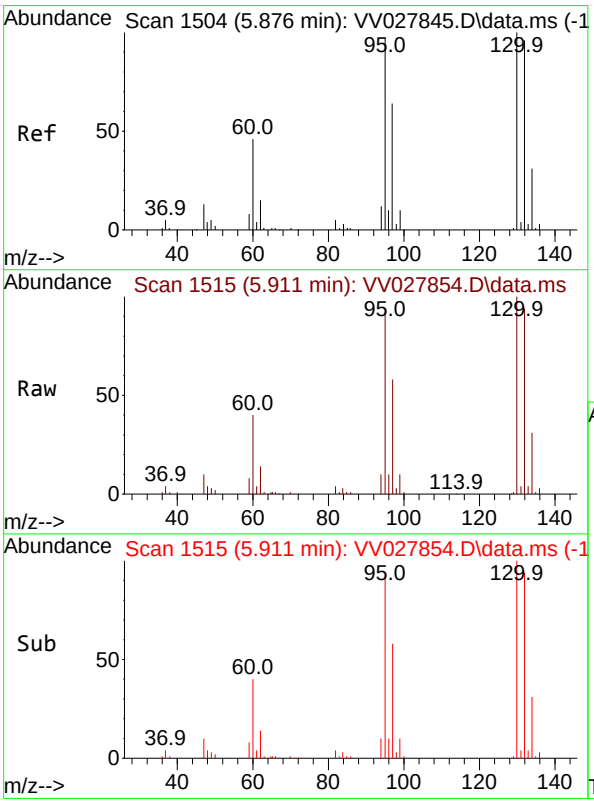


#33
Benzene
Concen: 0.637 ug/L
RT: 5.098 min Scan# 1
Delta R.T. 0.019 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion: 78 Resp: 27364

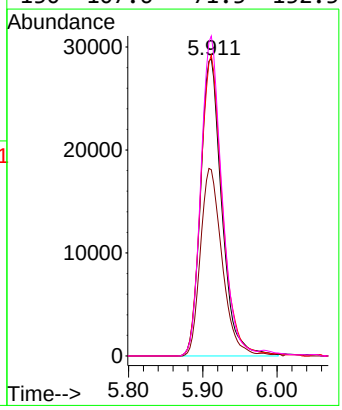


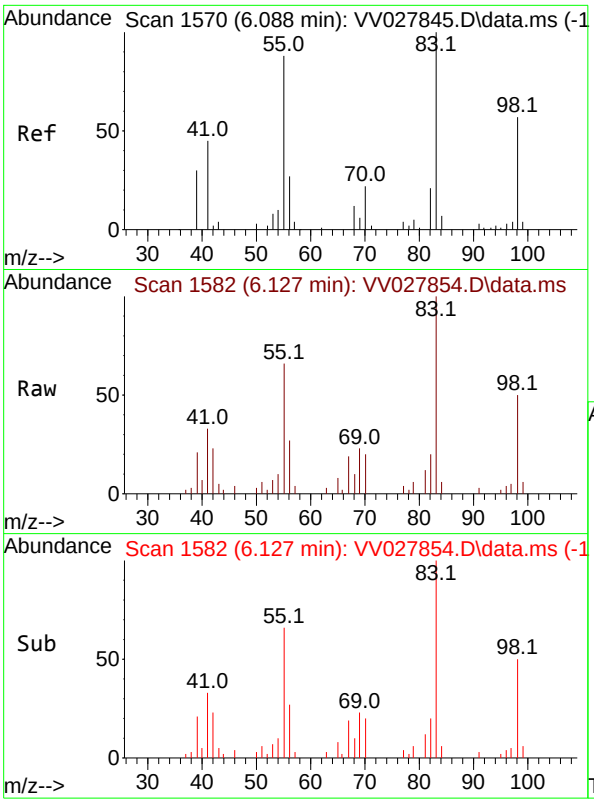


#34
Trichloroethene
Concen: 5.328 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. 0.035 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion: 95 Resp: 57314

Ion	Ratio	Lower	Upper
95	100		
97	62.6	42.9	79.7
132	101.2	67.9	126.1
130	107.6	71.3	132.3



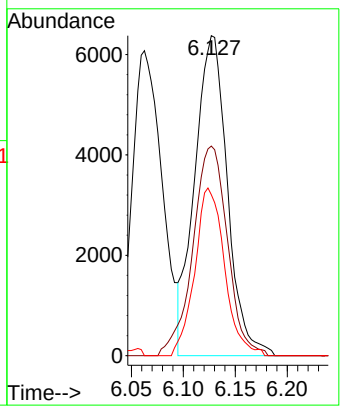


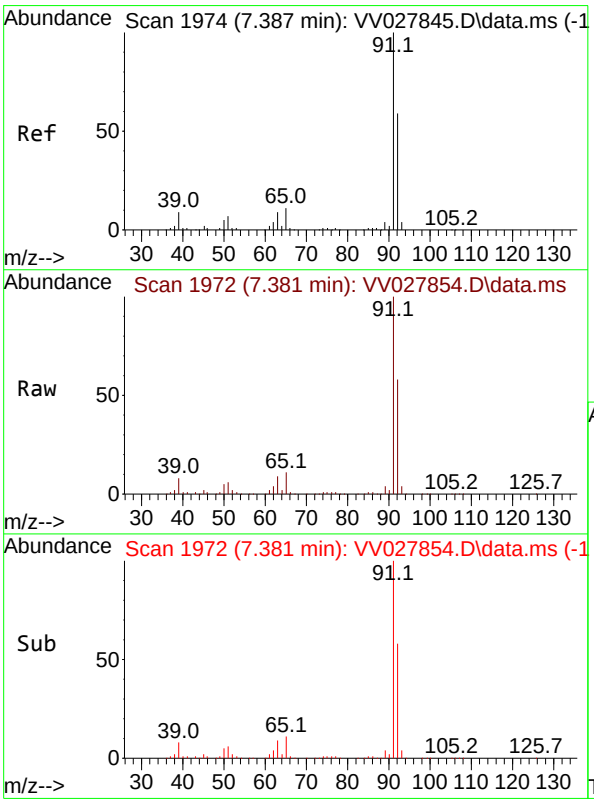
#35
Methylcyclohexane
Concen: 0.846 ug/L
RT: 6.127 min Scan# 1
Delta R.T. 0.039 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion: 83 Resp: 13984

Ion	Ratio	Lower	Upper
83	100		
55	69.1	61.9	92.9
98	47.8	37.5	56.3

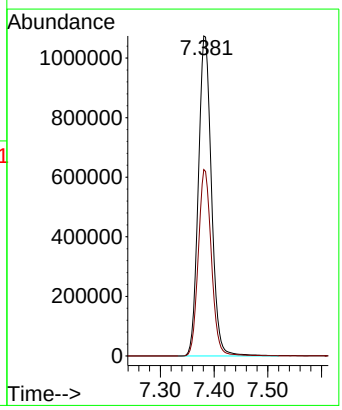


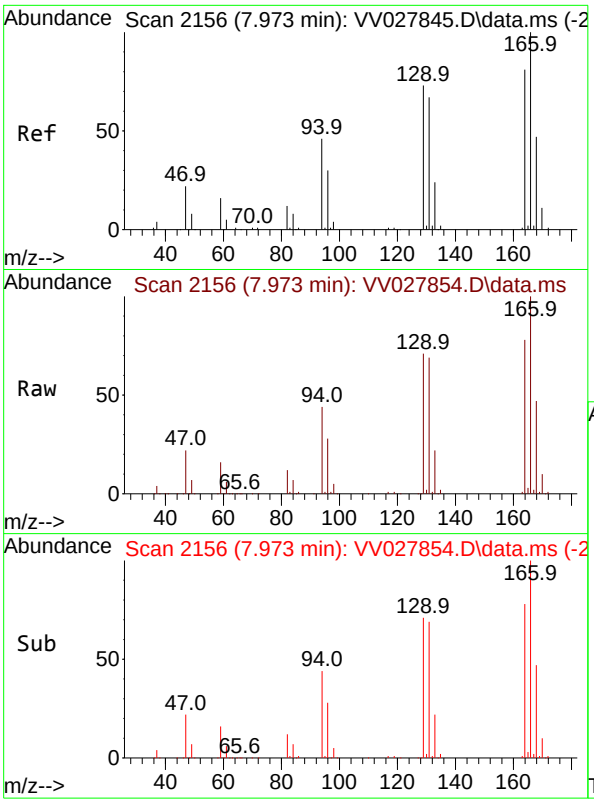


#42
Toluene
Concen: 43.627 ug/L
RT: 7.381 min Scan# 1972
Delta R.T. -0.006 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion: 91 Resp: 1816359

Ion	Ratio	Lower	Upper
91	100		
92	58.3	40.8	75.8



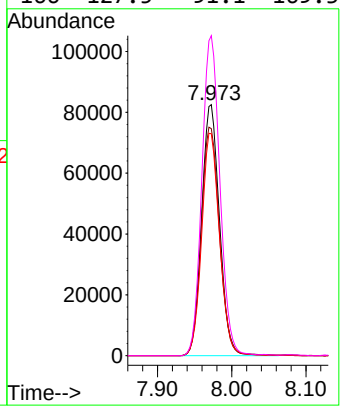


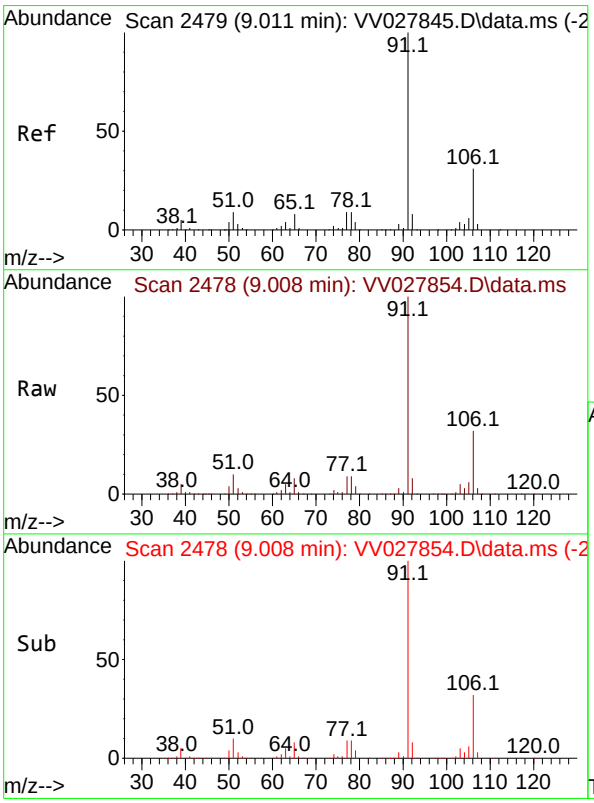
#47
Tetrachloroethene
Concen: 15.974 ug/L
RT: 7.973 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion:164 Resp: 137906

Ion	Ratio	Lower	Upper
164	100		
129	90.4	67.2	124.8
131	88.4	61.5	114.3
166	127.5	91.1	169.3

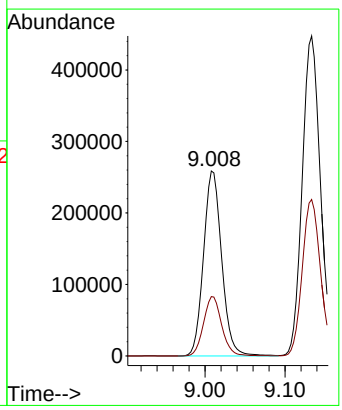


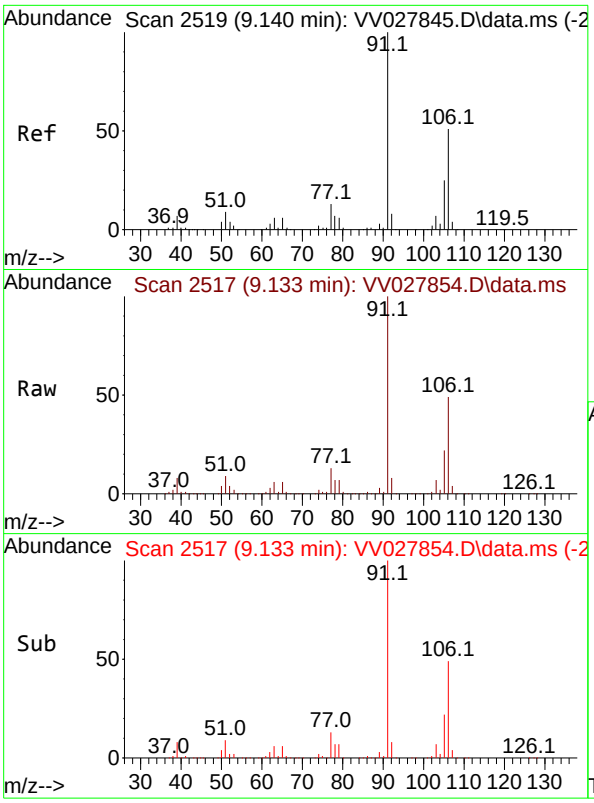


#52
Ethylbenzene
Concen: 9.503 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. -0.003 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion: 91 Resp: 410309

Ion	Ratio	Lower	Upper
91	100		
106	32.1	22.0	40.8



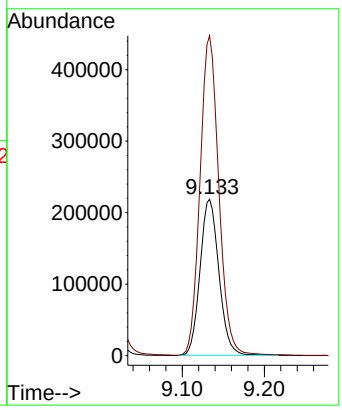


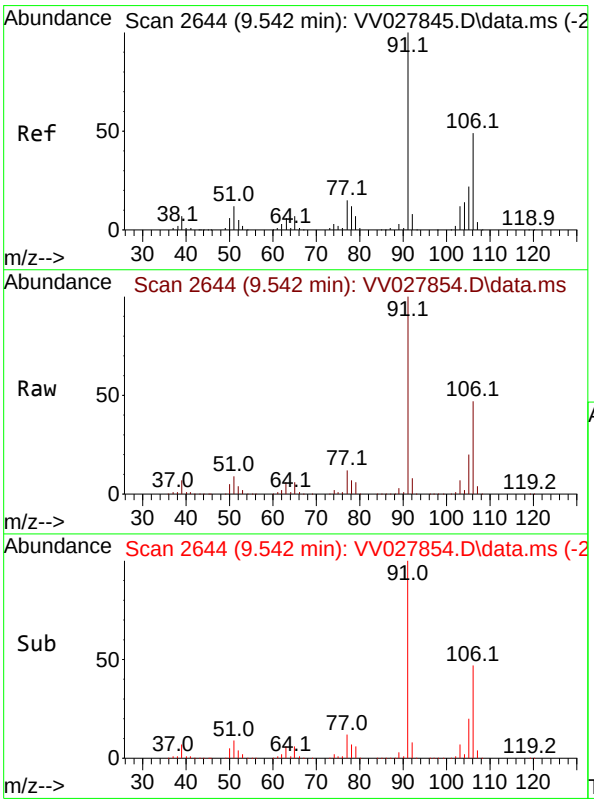
#53
m,p-Xylene
Concen: 20.567 ug/L
RT: 9.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion:106 Resp: 349298

Ion	Ratio	Lower	Upper
106	100		
91	204.4	142.4	264.4

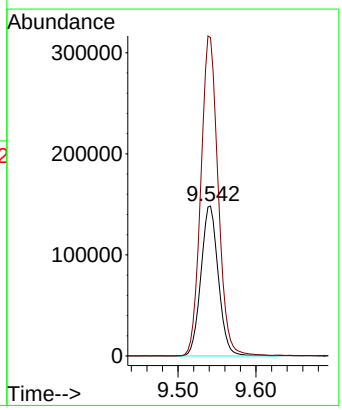


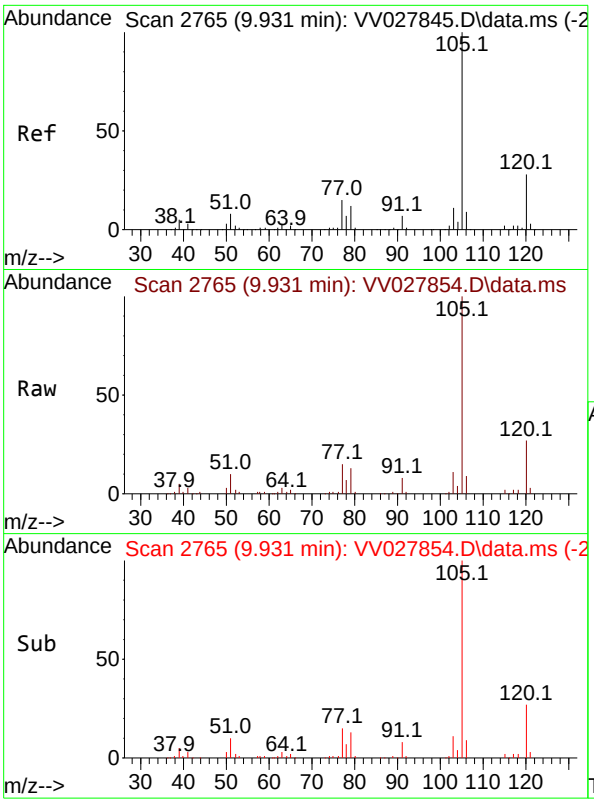


#54
o-Xylene
Concen: 14.207 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion:106 Resp: 229996

Ion	Ratio	Lower	Upper
106	100		
91	212.3	147.5	273.9



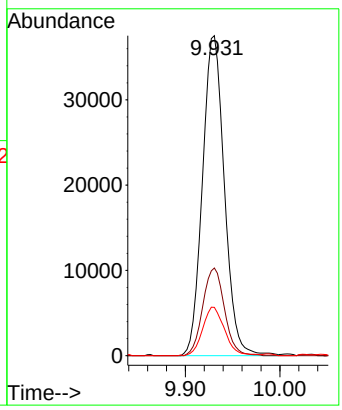


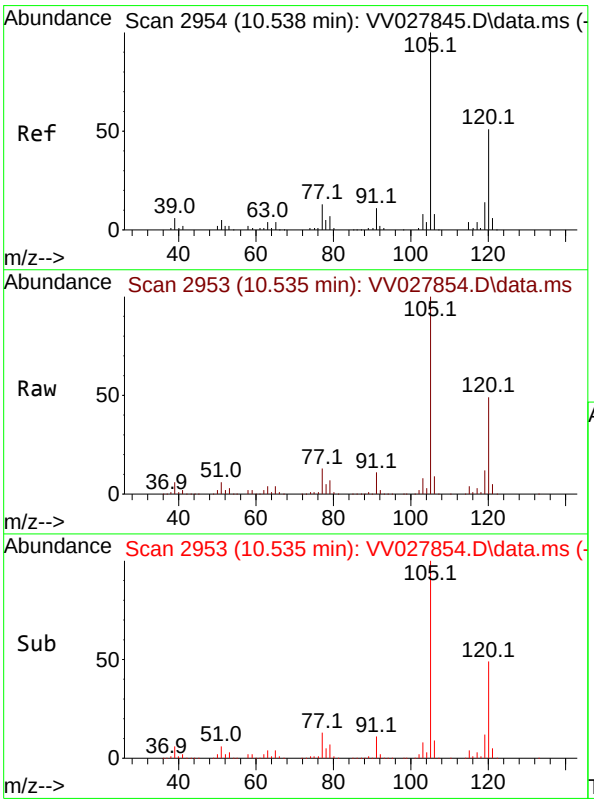
#60
Isopropylbenzene
Concen: 1.227 ug/L
RT: 9.931 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion:105 Resp: 60501

Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.3	31.9
77	15.2	12.6	18.8

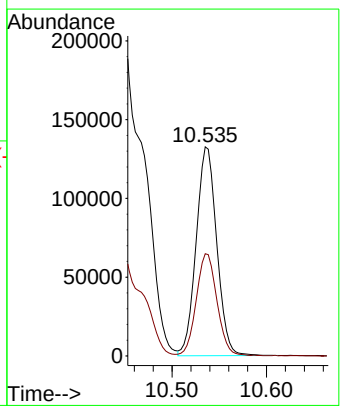


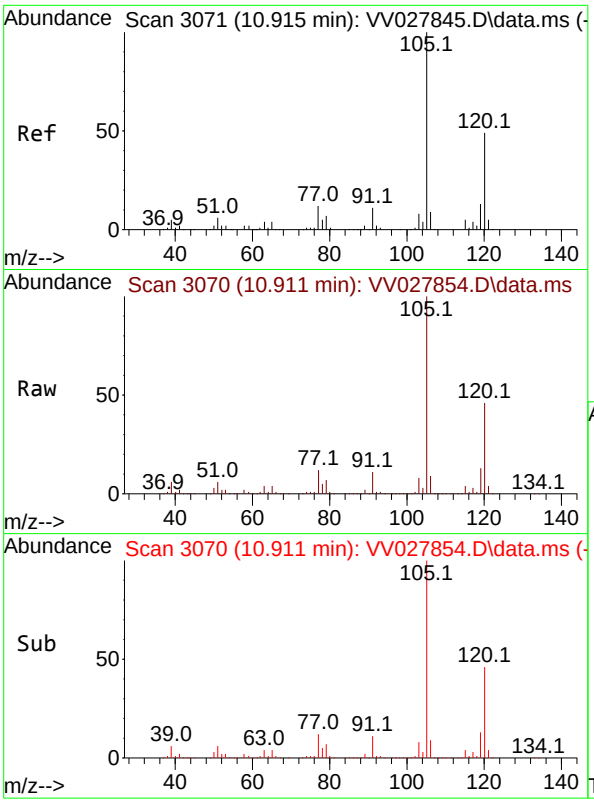


#62
1,3,5-Trimethylbenzene
Concen: 14.432 ug/L
RT: 10.535 min Scan# 2953
Delta R.T. -0.003 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion:105 Resp: 200418

Ion	Ratio	Lower	Upper
105	100		
120	49.1	39.6	59.4



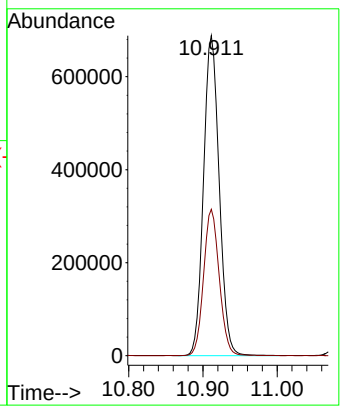


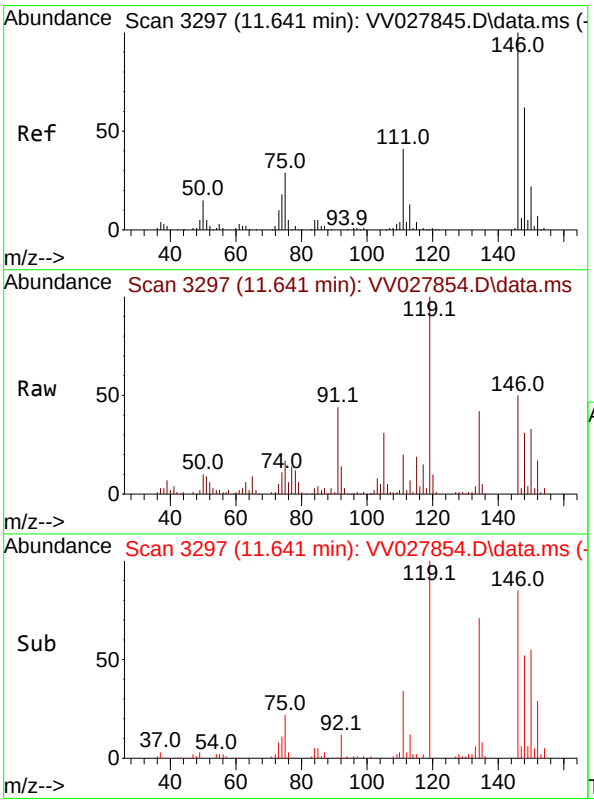
#63
1,2,4-Trimethylbenzene
Concen: 25.480 ug/L
RT: 10.911 min Scan# 3
Delta R.T. -0.003 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Instrument :
MSVOA_V
ClientSampleId :
EXYZ9

Tgt Ion:105 Resp: 1005803

Ion	Ratio	Lower	Upper
105	100		
120	45.5	37.4	56.0





#67
1,2-Dichlorobenzene
Concen: 1.669 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.000 min
Lab File: VV027854.D
Acq: 15 Sep 2022 14:37

Tgt Ion:146 Resp: 37848

Ion	Ratio	Lower	Upper
146	100		
111	39.9	33.1	49.7
148	61.7	49.8	74.6