Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
Data File : VN074897.D
Acq On : 13 Oct 2022 16:04
Operator : JC\MD
Sample : N5089-02RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Quant Time: Oct 14 05:06:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 13 07:52:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.824	128	69601	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	382451	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	330460	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	188899	28.989	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 96.633%			
60) 4-Bromofluorobenzene	12.847	95	144416	24.643	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.133%			
63) Toluene-d8	10.571	98	573063	30.047	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.167%			
Target Compounds						Qvalue
13) Acrolein	4.195	56	626	0.433	ug/l #	51
15) Acetone	4.459	58	346573	331.164	ug/l	97
18) Methylene Chloride	5.306	84	1303	0.237	ug/l #	14
23) tert-Butyl Alcohol	5.553	59	2038	1.267	ug/l #	100
30) 2-Butanone	7.506	43	45319	8.231	ug/l #	95
45) 1,4-Dioxane	9.224	88	169	1.113	ug/l #	1
58) 4-Methyl-2-Pentanone	10.459	43	20117	1.957	ug/l #	81
59) 2-Hexanone	11.200	43	4302	0.544	ug/l #	58
67) m/p-Xylenes	12.077	106	2077	0.223	ug/l	78
77) t-1,4-Dichloro-2-butene	12.847	75	84075	26.335	ug/l #	15
80) 1,2,4-Trimethylbenzene	13.482	105	4463	0.223	ug/l	74
82) p-Isopropyltoluene	13.723	119	5952	0.295	ug/l	89
88) 1,2-Dibromo-3-Chloropr...	14.723	75	492	0.267	ug/l #	43
89) 1,2,4-Trichlorobenzene	15.400	180	1014	0.224	ug/l #	1
90) Hexachlorobutadiene	15.500	225	683	0.309	ug/l	55
91) Naphthalene	15.647	128	18407	1.023	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.841	180	3249	0.685	ug/l	66

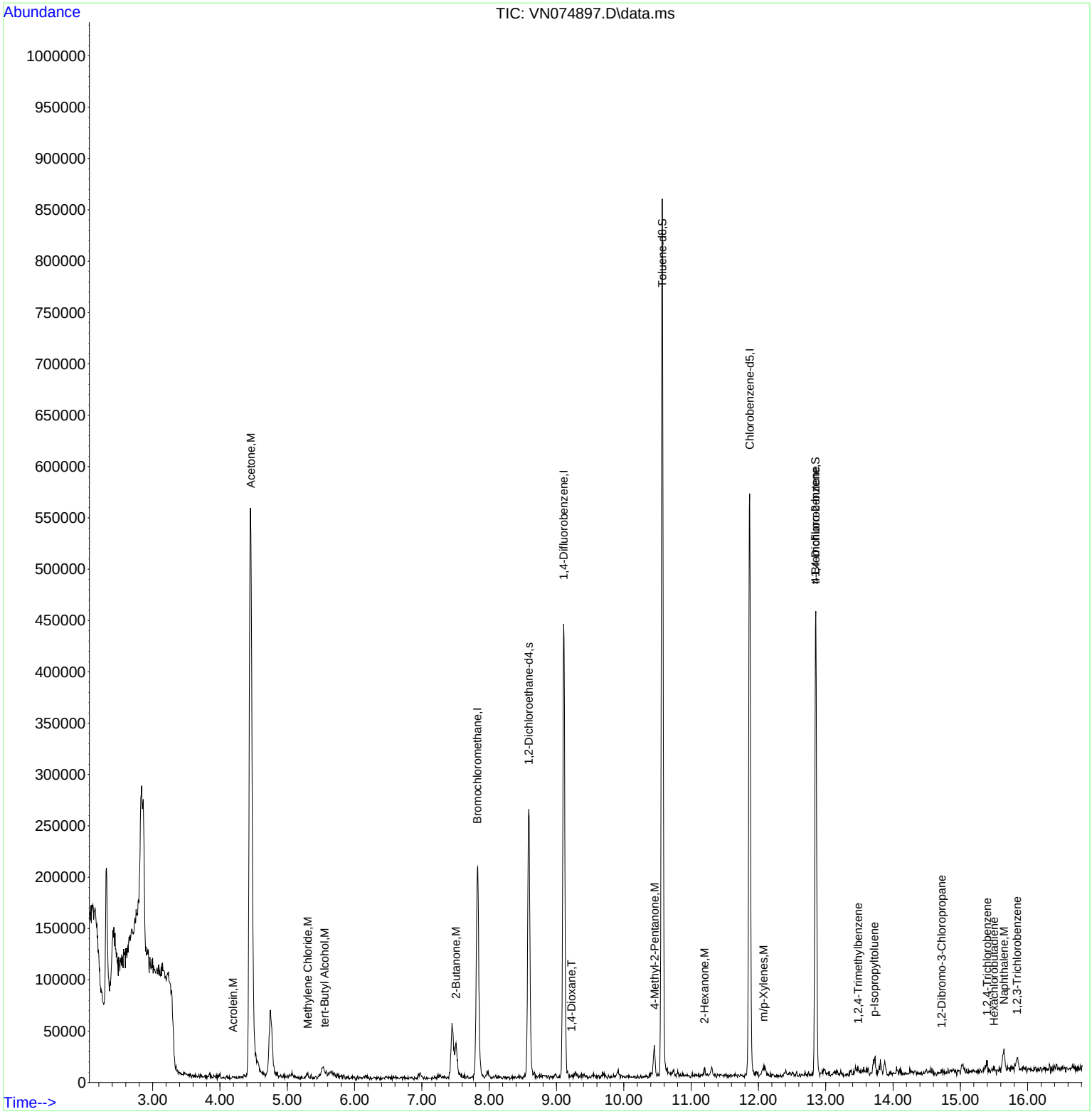
(#) = qualifier out of range (m) = manual integration (+) = signals summed

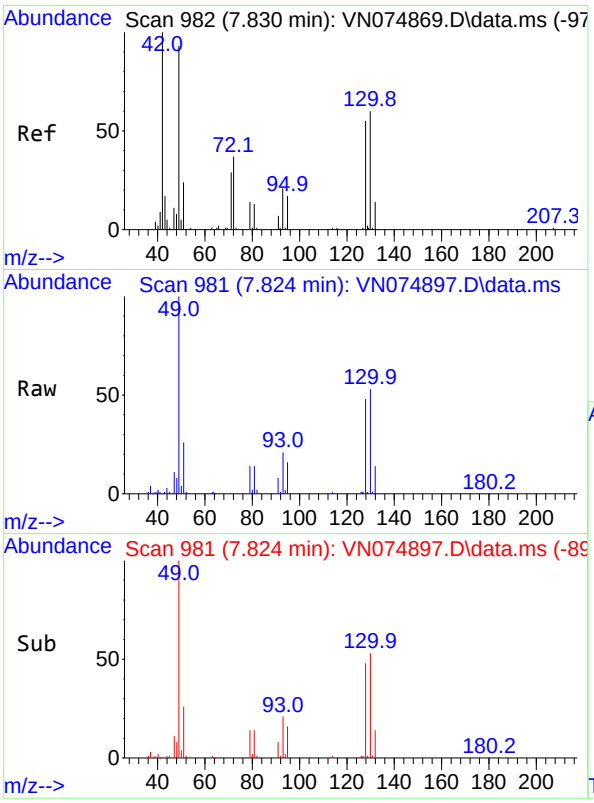
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
Data File : VN074897.D
Acq On : 13 Oct 2022 16:04
Operator : JC\MD
Sample : N5089-02RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Quant Time: Oct 14 05:06:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 13 07:52:24 2022
Response via : Initial Calibration



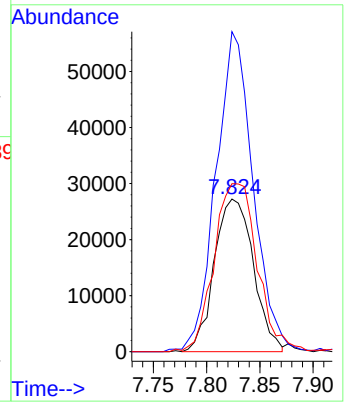


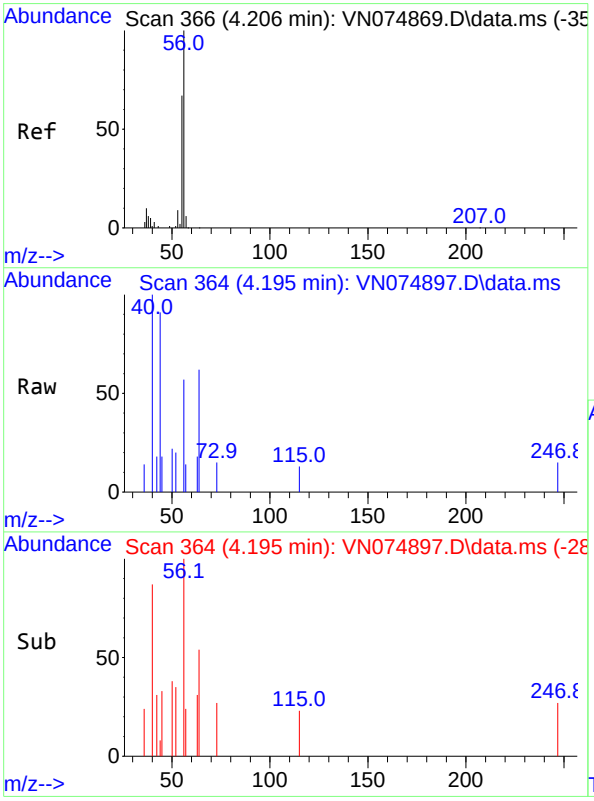
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion:128 Resp: 69601

Ion	Ratio	Lower	Upper
128	100		
49	197.1	0.0	492.0
130	121.4	0.0	313.3

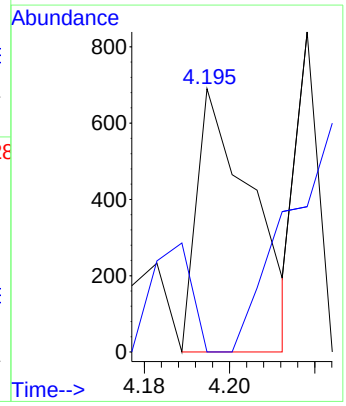


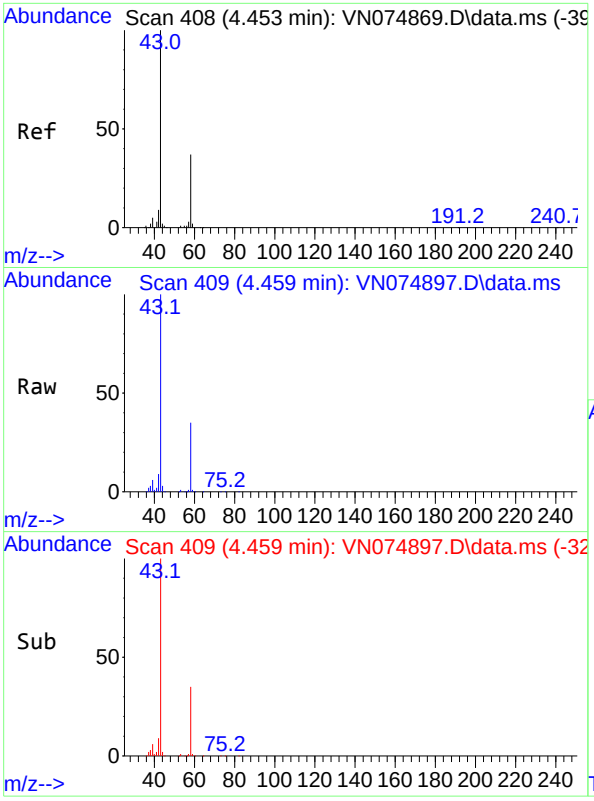


#13
Acrolein
Concen: 0.433 ug/l
RT: 4.195 min Scan# 364
Delta R.T. -0.012 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion: 56 Resp: 626

Ion	Ratio	Lower	Upper
56	100		
55	29.6	56.2	84.2#



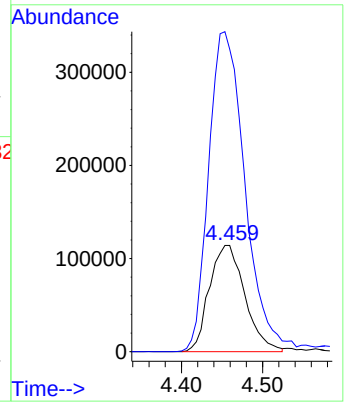


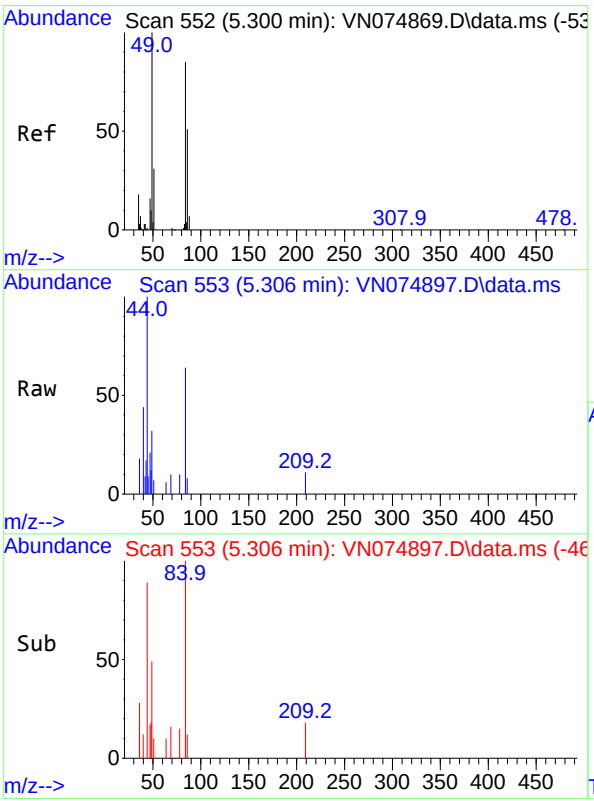
#15
Acetone
Concen: 331.164 ug/l
RT: 4.459 min Scan# 4(
Delta R.T. 0.006 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion: 58 Resp: 346573

Ion	Ratio	Lower	Upper
58	100		
43	283.7	232.2	348.4

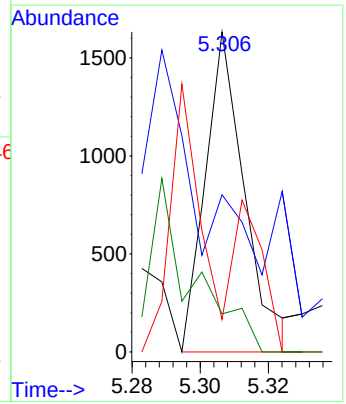


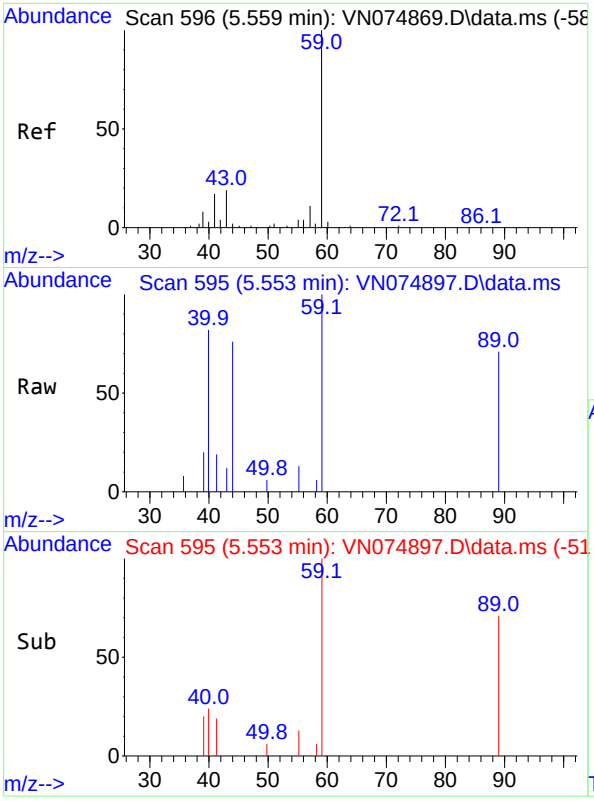


#18
Methylene Chloride
Concen: 0.237 ug/l
RT: 5.306 min Scan# 553
Delta R.T. 0.006 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion: 84 Resp: 1303

Ion	Ratio	Lower	Upper
84	100		
49	0.0	99.6	149.4#
51	10.2	28.2	42.2#
86	11.9	46.2	69.4#



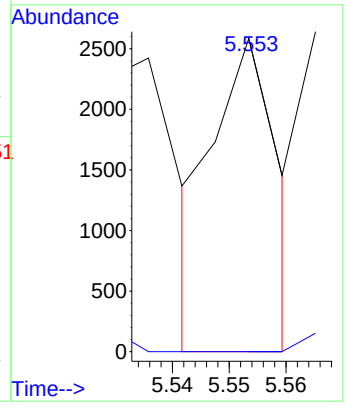


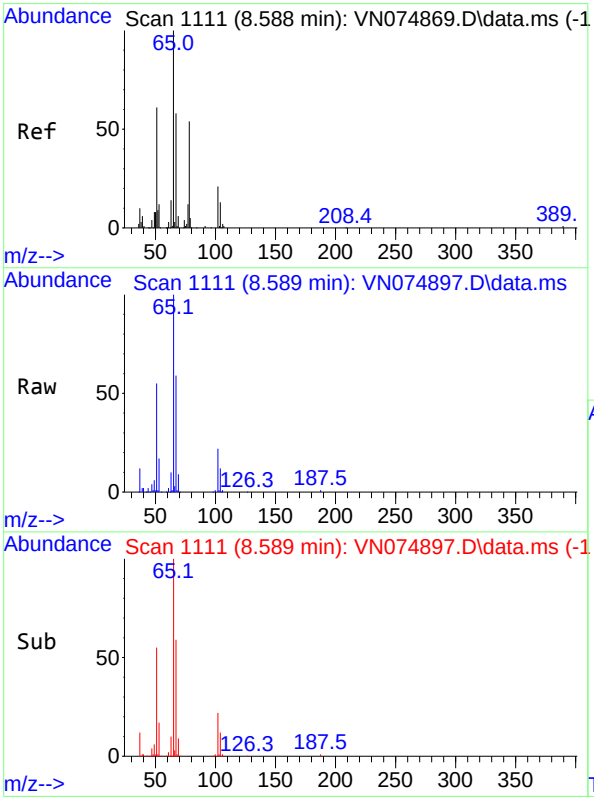
#23
tert-Butyl Alcohol
Concen: 1.267 ug/l
RT: 5.553 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion: 59 Resp: 2038

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.2	0.4#

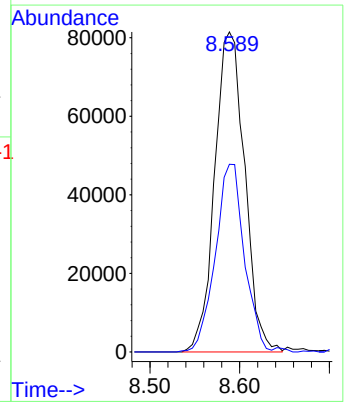


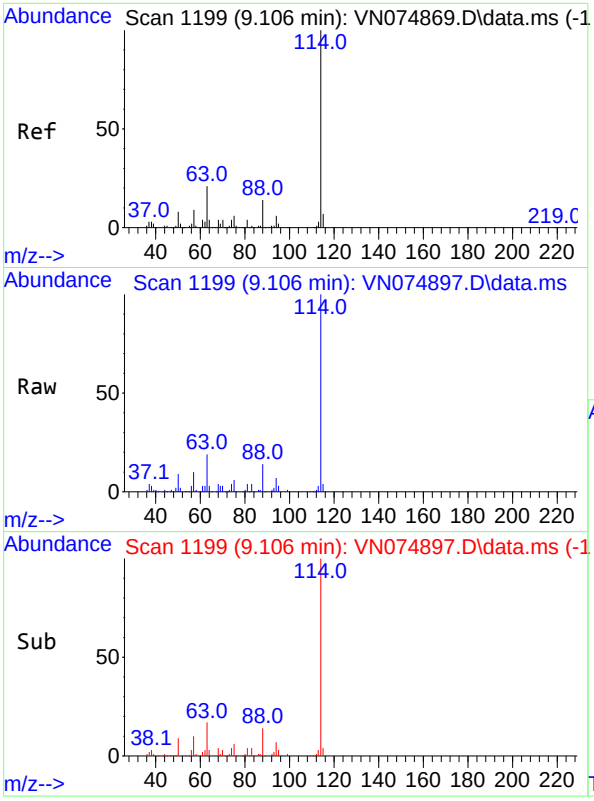


#27
1,2-Dichloroethane-d4
Concen: 28.989 ug/l
RT: 8.589 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion: 65 Resp: 188899

Ion	Ratio	Lower	Upper
65	100		
67	56.8	45.2	67.8



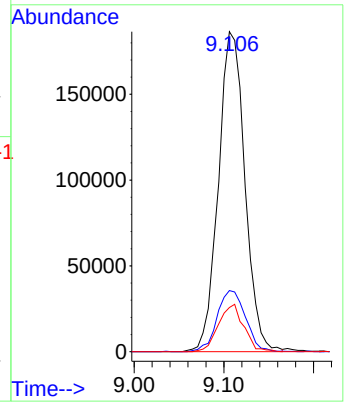


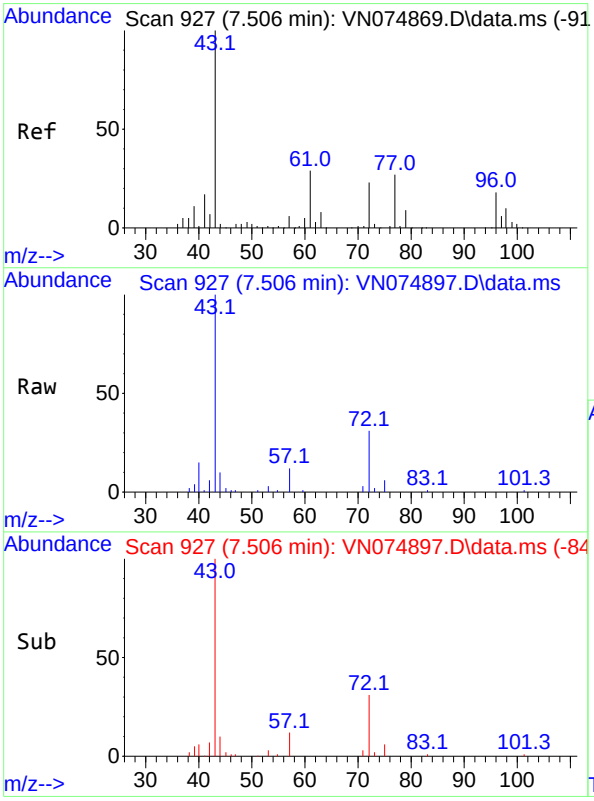
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion:114 Resp: 382451

Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.6	25.0
88	13.9	12.2	18.4

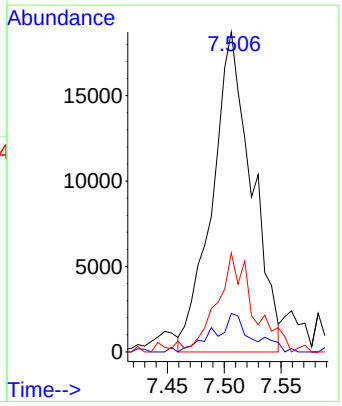


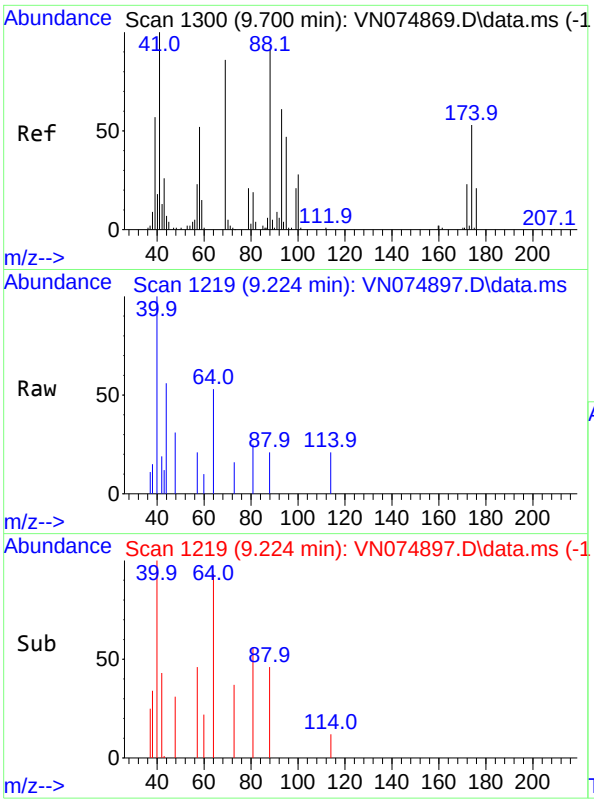


#30
2-Butanone
Concen: 8.231 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion: 43 Resp: 45319

Ion	Ratio	Lower	Upper
43	100		
57	6.1	6.3	9.5#
72	23.8	21.0	31.4



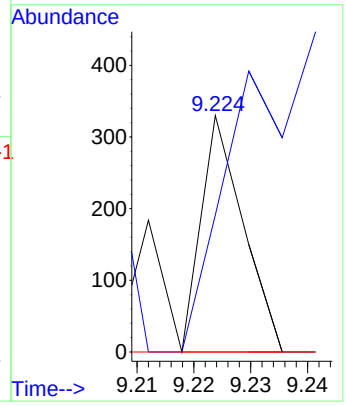


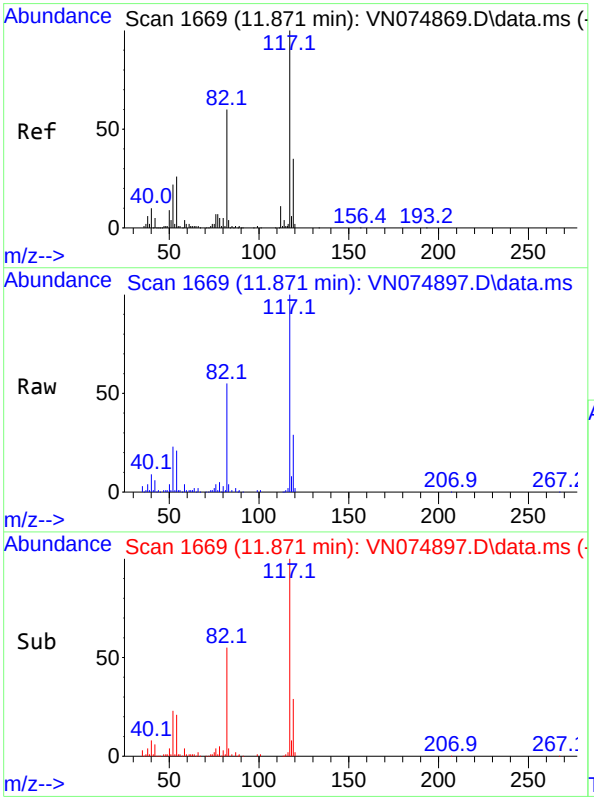
#45
1,4-Dioxane
Concen: 1.113 ug/l
RT: 9.224 min Scan# 1
Delta R.T. -0.476 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion: 88 Resp: 169

Ion	Ratio	Lower	Upper
88	100		
43	334.3	25.7	38.5#
58	0.0	53.4	80.2#

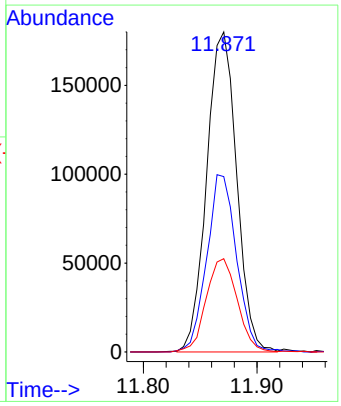


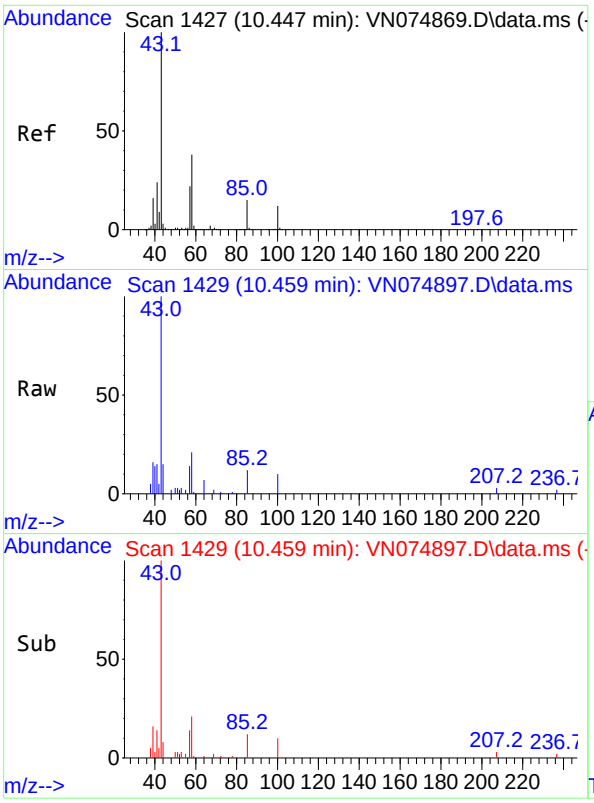


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion:117 Resp: 330460

Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	67.0
119	30.2	25.6	38.4



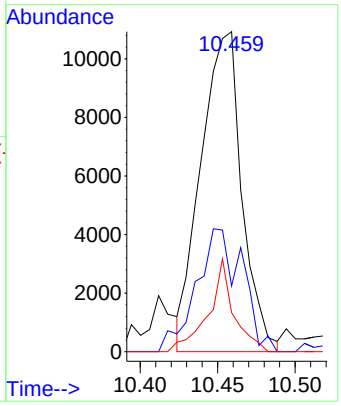


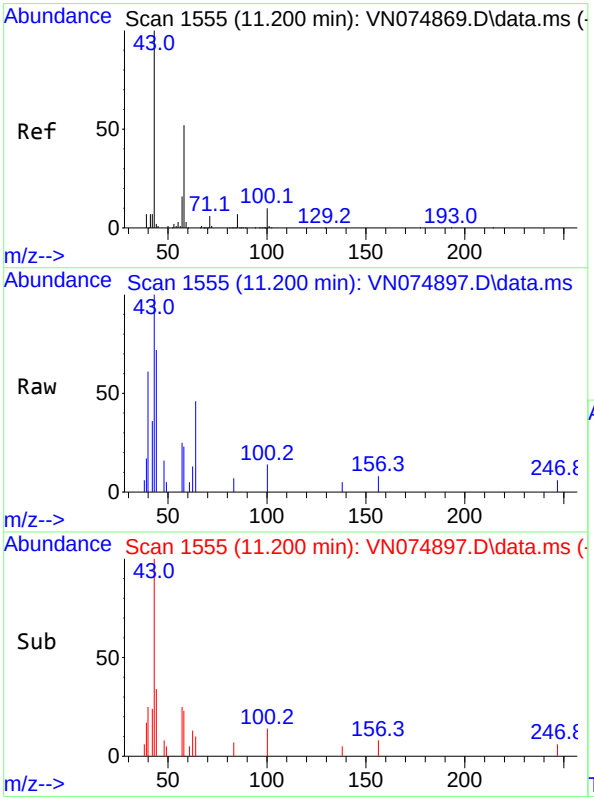
#58
4-Methyl-2-Pentanone
Concen: 1.957 ug/l
RT: 10.459 min Scan# 14
Delta R.T. 0.012 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion: 43 Resp: 20117

Ion	Ratio	Lower	Upper
43	100		
58	22.9	30.8	46.2#
85	17.7	13.3	19.9

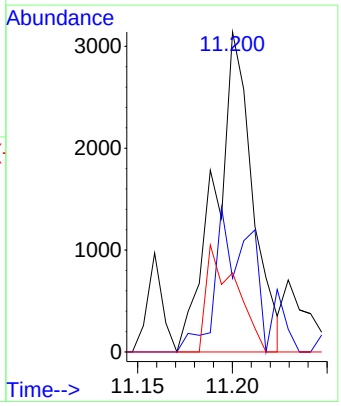


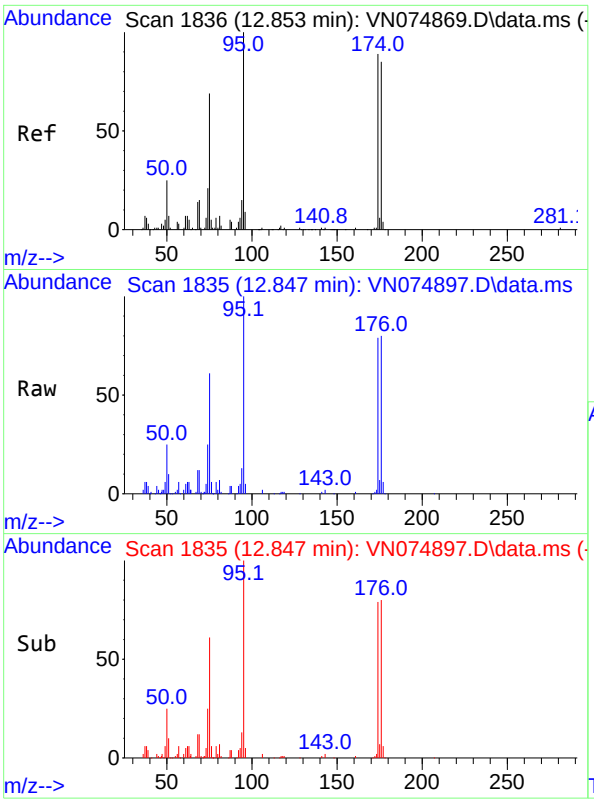


#59
2-Hexanone
Concen: 0.544 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion: 43 Resp: 4302

Ion	Ratio	Lower	Upper
43	100		
58	19.1	43.6	65.4#
57	26.3	14.3	21.5#



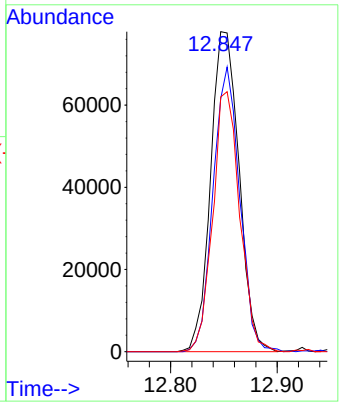


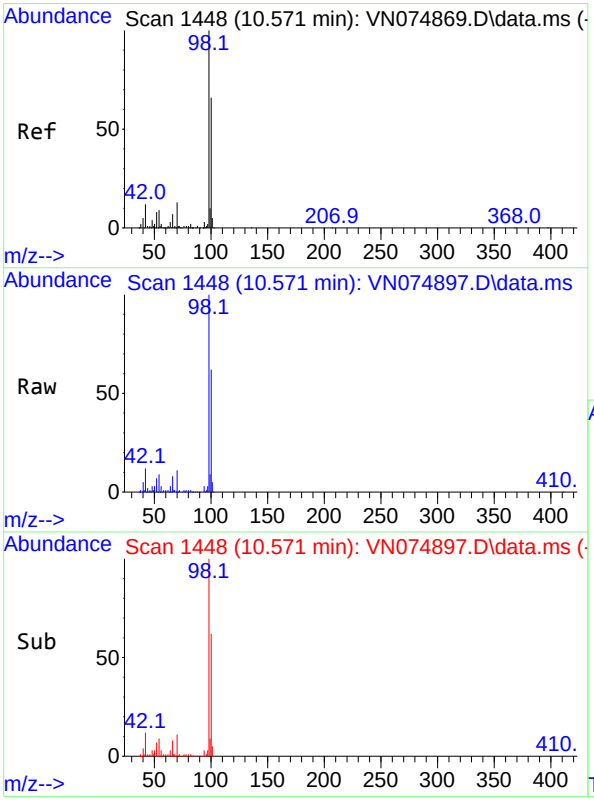
#60
4-Bromofluorobenzene
Concen: 24.643 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion: 95 Resp: 144416

Ion	Ratio	Lower	Upper
95	100		
174	83.1	57.8	86.8
176	77.1	57.0	85.4

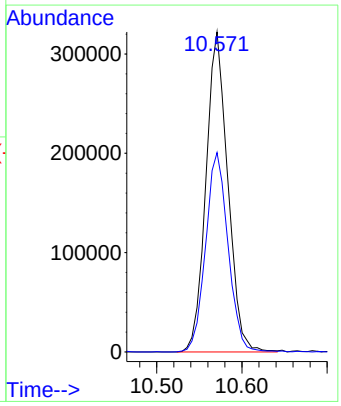


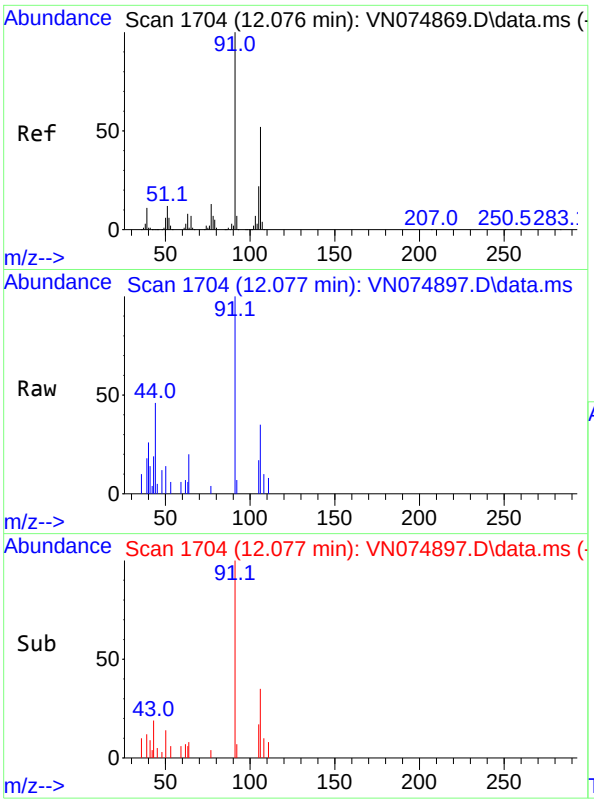


#63
Toluene-d8
Concen: 30.047 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion: 98 Resp: 573063

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.7	79.1



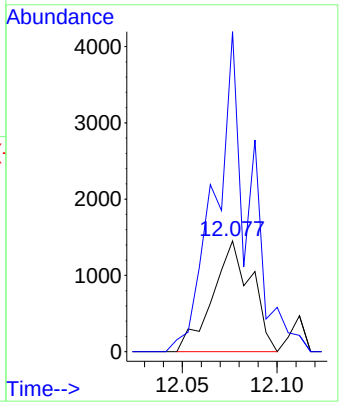


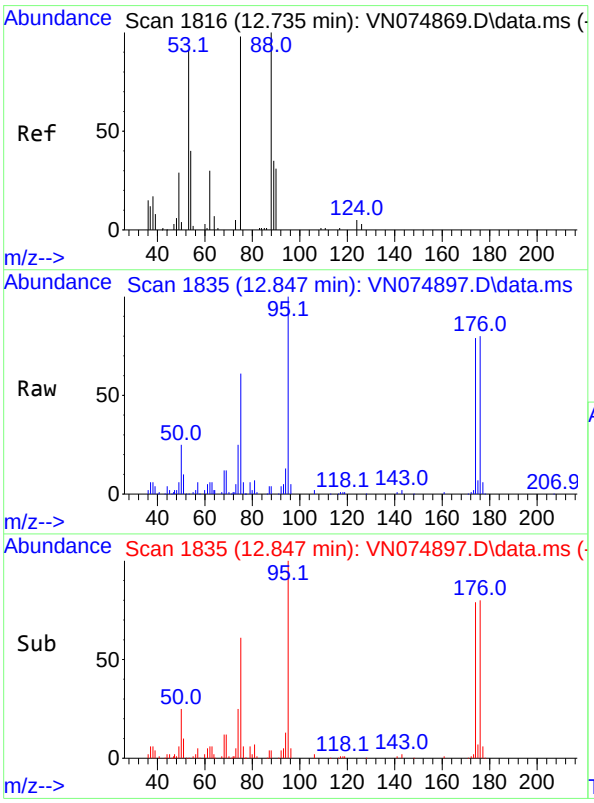
#67
m/p-Xylenes
Concen: 0.223 ug/l
RT: 12.077 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion:106 Resp: 2077

Ion	Ratio	Lower	Upper
106	100		
91	239.0	164.2	246.4

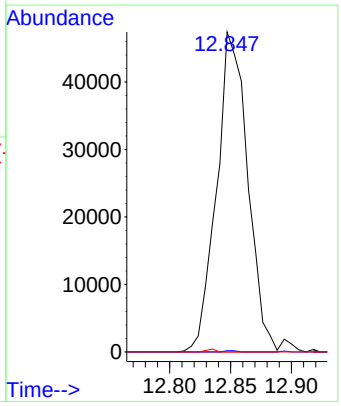


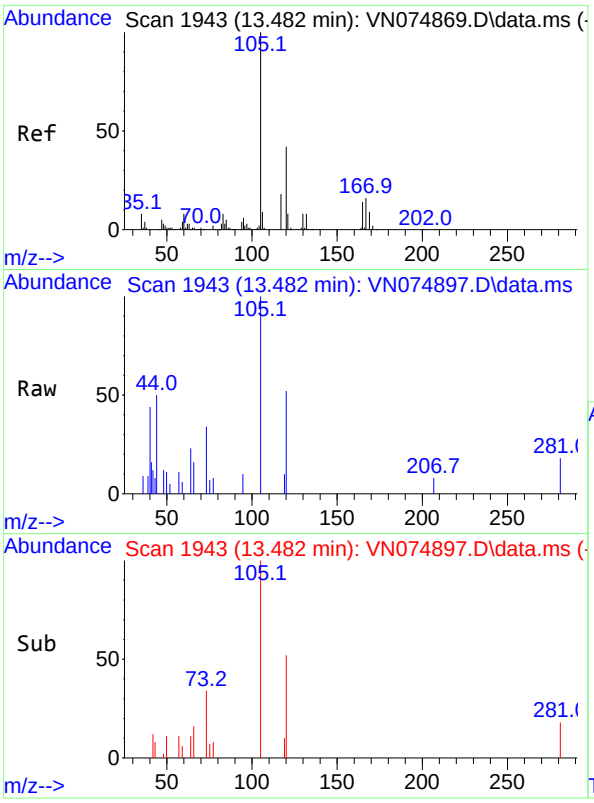


#77
t-1,4-Dichloro-2-butene
Concen: 26.335 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion: 75 Resp: 84075

Ion	Ratio	Lower	Upper
75	100		
53	0.4	43.3	129.9#
89	0.0	21.1	63.1#



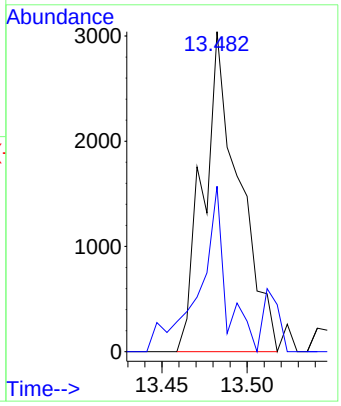


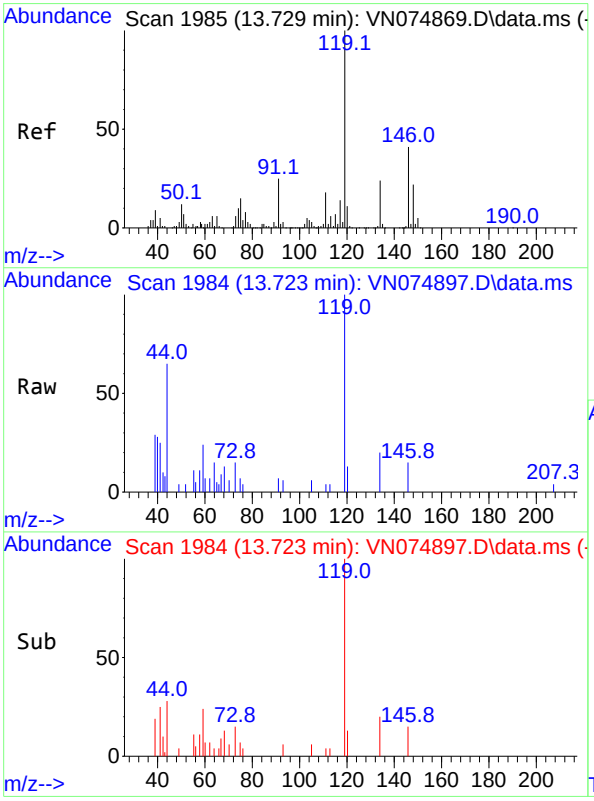
#80
1,2,4-Trimethylbenzene
Concen: 0.223 ug/l
RT: 13.482 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion:105 Resp: 4463

Ion	Ratio	Lower	Upper
105	100		
120	29.1	0.0	93.2

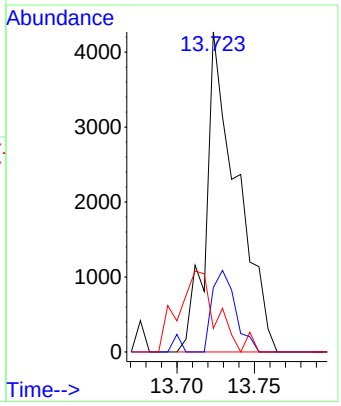


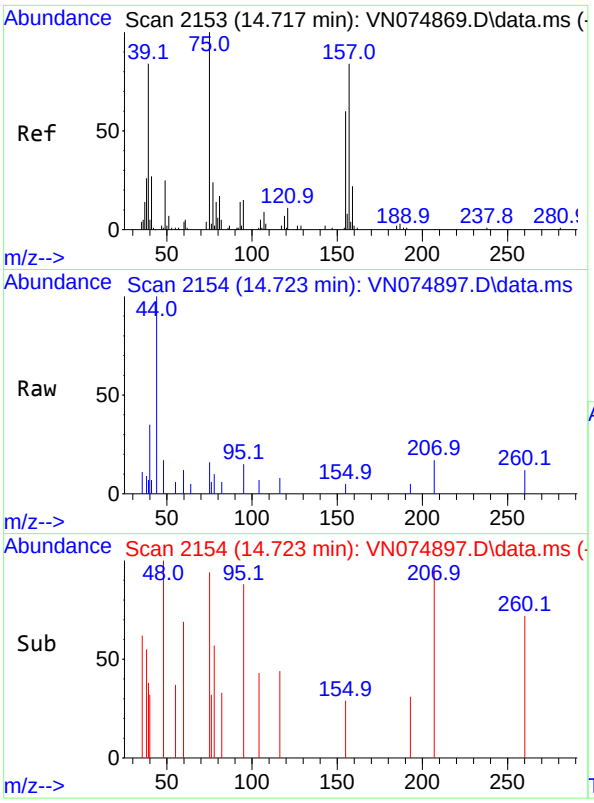


#82
p-Isopropyltoluene
Concen: 0.295 ug/l
RT: 13.723 min Scan# 1984
Delta R.T. -0.006 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion:119 Resp: 5952

Ion	Ratio	Lower	Upper
119	100		
134	19.1	0.0	51.4
91	18.9	0.0	46.8



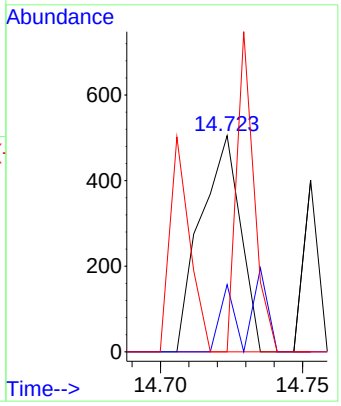


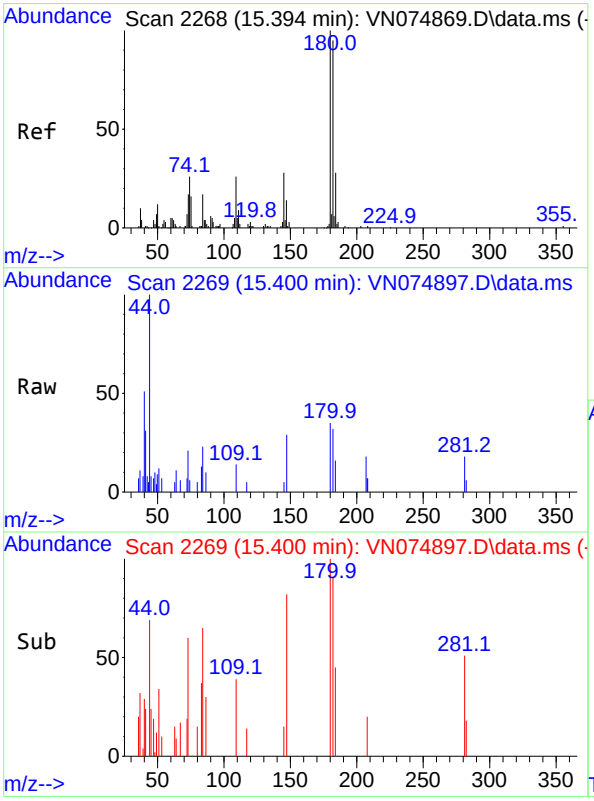
#88
1,2-Dibromo-3-Chloropropane
Concen: 0.267 ug/l
RT: 14.723 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion: 75 Resp: 492

Ion	Ratio	Lower	Upper
75	100		
155	11.2	66.3	99.5#
157	65.2	84.3	126.5#

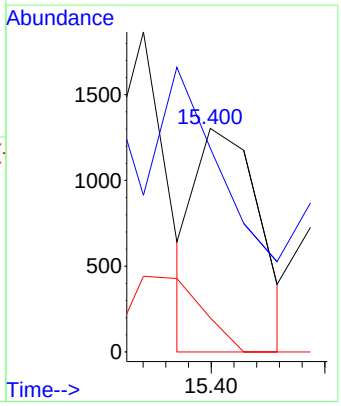


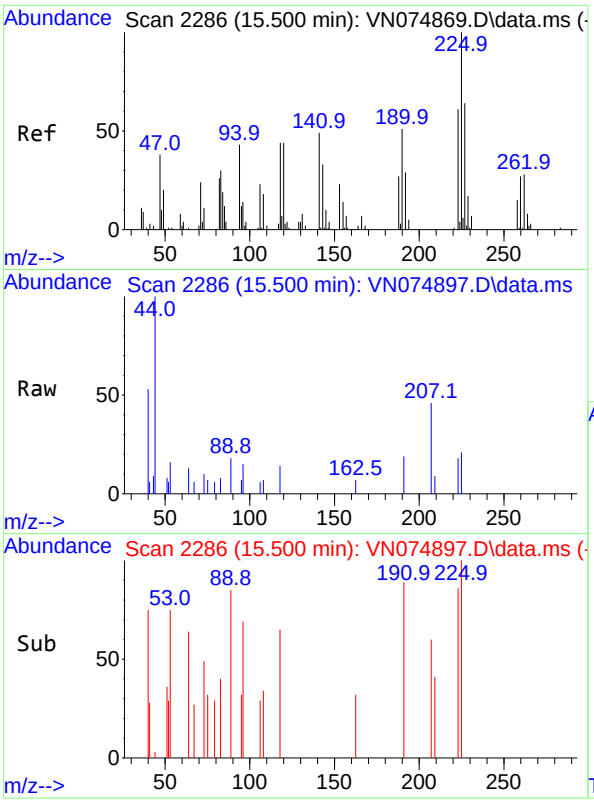


#89
1,2,4-Trichlorobenzene
Concen: 0.224 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion:180 Resp: 1014

Ion	Ratio	Lower	Upper
180	100		
182	251.1	74.9	112.3#
145	0.0	26.3	39.5#



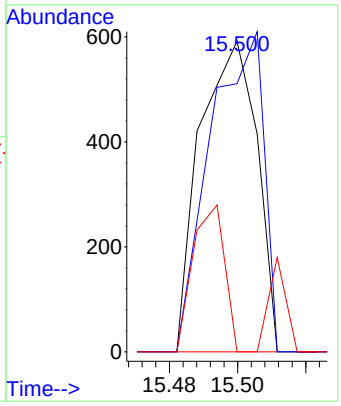


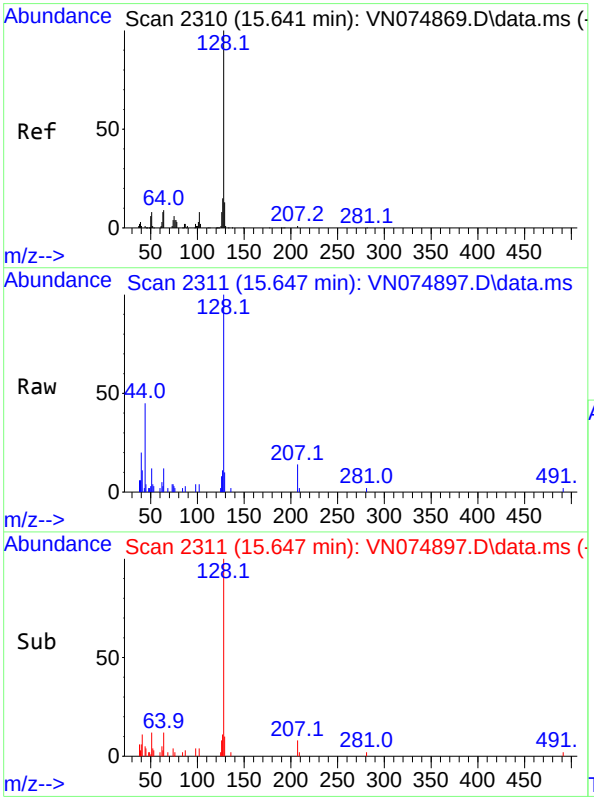
#90
Hexachlorobutadiene
Concen: 0.309 ug/l
RT: 15.500 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion:225 Resp: 683

Ion	Ratio	Lower	Upper
225	100		
223	96.9	0.0	125.0
227	26.5	0.0	123.0

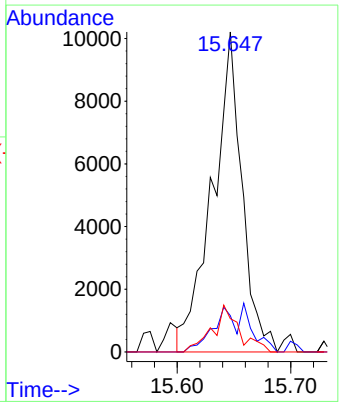


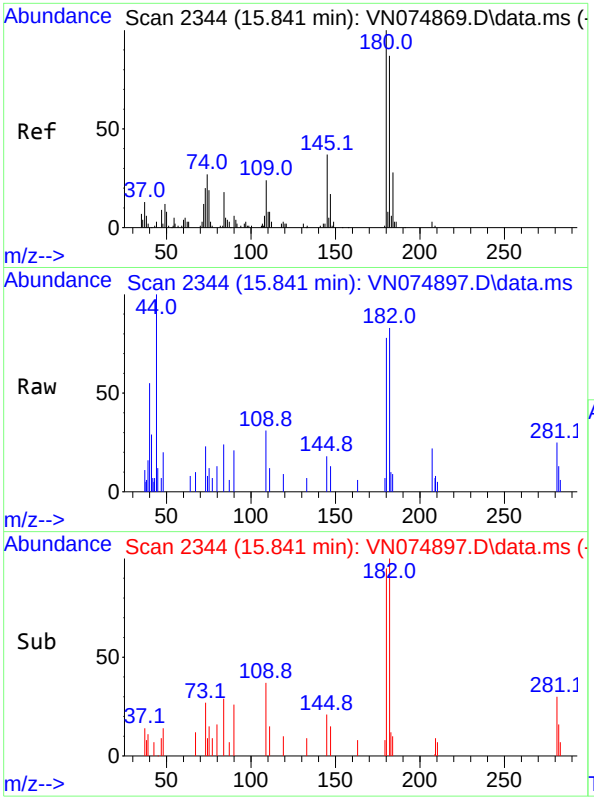


#91
Naphthalene
Concen: 1.023 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Tgt Ion:128 Resp: 18407

Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.7	16.1#
129	7.1	8.9	13.3#





#92
1,2,3-Trichlorobenzene
Concen: 0.685 ug/l
RT: 15.841 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN074897.D
Acq: 13 Oct 2022 16:04

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(OCT)

Tgt Ion:180 Resp: 3249

Ion	Ratio	Lower	Upper
180	100		
182	53.4	0.0	185.4
145	25.3	0.0	68.6