LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN078378.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.306	56	60	68	rVB	36322	60572	1.41%	0.271%
2	2.671	116	122	129	rVB	47349	88445	2.07%	0.396%
3	3.806	305	315	326	rBV2	59985	167044	3.90%	0.748%
4	4.436	412	422	432	rBV	401927	1193045	27.86%	5.340%
5	4.530	433	438	451	rVB2	63075	190615	4.45%	0.853%
6	4.730	459	472	486	rBV2	70822	233942	5.46%	1.047%
7	5.530	593	608	622	rBV2	929888	3235046	75.55%	14.479%
8	6.736	801	813	822	rBV4	39536	123463	2.88%	0.553%
9	7.241	886	899	908	rBV3	40225	118064	2.76%	0.528%
10	7.441	920	933	939	rBV	1531706	4281723	100.00%	19.163%
11	7.841	982	1001	1017	rBV4	518393	2019313	47.16%	9.038%
12	8.588	1112	1128	1137	rBV2	222161	650842	15.20%	2.913%
13	8.659	1137	1140	1151	rVB5	38464	86532	2.02%	0.387%
14	8.977	1187	1194	1203	rBV2	56154	117921	2.75%	0.528%
15	9.106	1208	1216	1235	rVB	492238	1018004	23.78%	4.556%
16	9.271	1237	1244	1255	rBV	143825	307555	7.18%	1.376%
17	9.541	1283	1290	1299	rVB	47162	98124	2.29%	0.439%
18	10.453	1437	1445	1450	rBV2	76068	137947	3.22%	0.617%
19	10.571	1453	1465	1472	rVV	767765	1465910	34.24%	6.561%
20	10.641	1472	1477	1488	rVV2	123261	321303	7.50%	1.438%
21	11.082	1543	1552	1559	rBV4	59749	135922	3.17%	0.608%
22	11.176	1559	1568	1581	rVV	159329	343662	8.03%	1.538%
23	11.306	1581	1590	1594	rVV9	26306	65794	1.54%	0.294%
24	11.500	1617	1623	1630	rBV8	16644	49189	1.15%	0.220%
25	11.776	1663	1670	1676	rVV8	22544	69049	1.61%	0.309%
26	11.871	1676	1686	1695	rVV	614022	1191046	27.82%	5.331%
27	11.970	1695	1703	1709	rVV2	98632	204299	4.77%	0.914%
28	12.076	1716	1721	1730	rVB3	80836	187136	4.37%	0.838%
29	12.235	1739	1748	1753	rBV9	18689	50668	1.18%	0.227%
30	12.294	1753	1758	1765	rVV6	33747	72879	1.70%	0.326%
31	12.406	1769	1777	1782	rBV3	63917	123400	2.88%	0.552%
32	12.853	1846	1853	1862	rVB	390426	707245	16.52%	3.165%
33	13.200	1903	1912	1920	rBV2	98705	200817	4.69%	0.899%
34	13.335	1932	1935	1947	rVB4	21137	53255	1.24%	0.238%
35	13.488	1947	1961	1970	rBV3	41244	127035	2.97%	0.569%
36	13.612	1975	1982	1989	rBV3	88550	162081	3.79%	0.725%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

37	13.823	2012	2018	2019	rVV4	36728	56011	1.31%	0.251%
38	13.859	2019	2024	2037	rVB2	315407	623247	14.56%	2.789%
39	14.000	2042	2048	2056	rBV3	34379	70194	1.64%	0.314%
40	14.259	2087	2092	2096	rBV5	47337	92925	2.17%	0.416%
41	14.459	2112	2126	2135	rBV5	29183	82738	1.93%	0.370%
42	14.676	2154	2163	2176	rVB	761331	1347582	31.47%	6.031%
43	14.935	2199	2207	2214	rBV	237900	411934	9.62%	1.844%

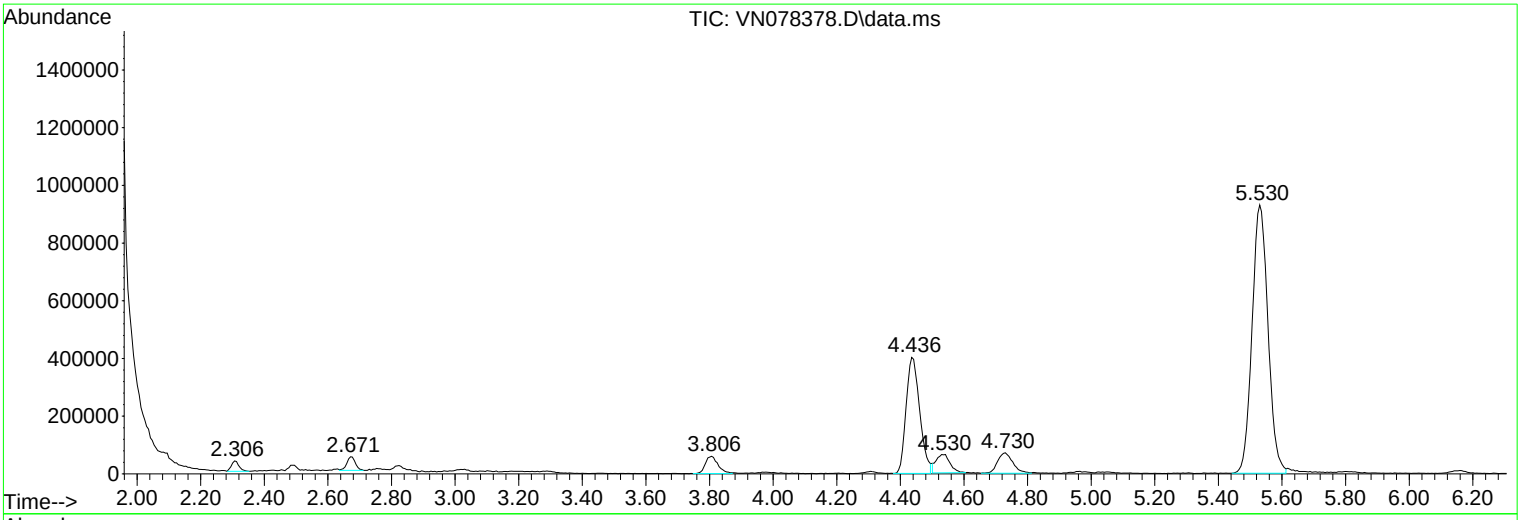
Sum of corrected areas: 22343518

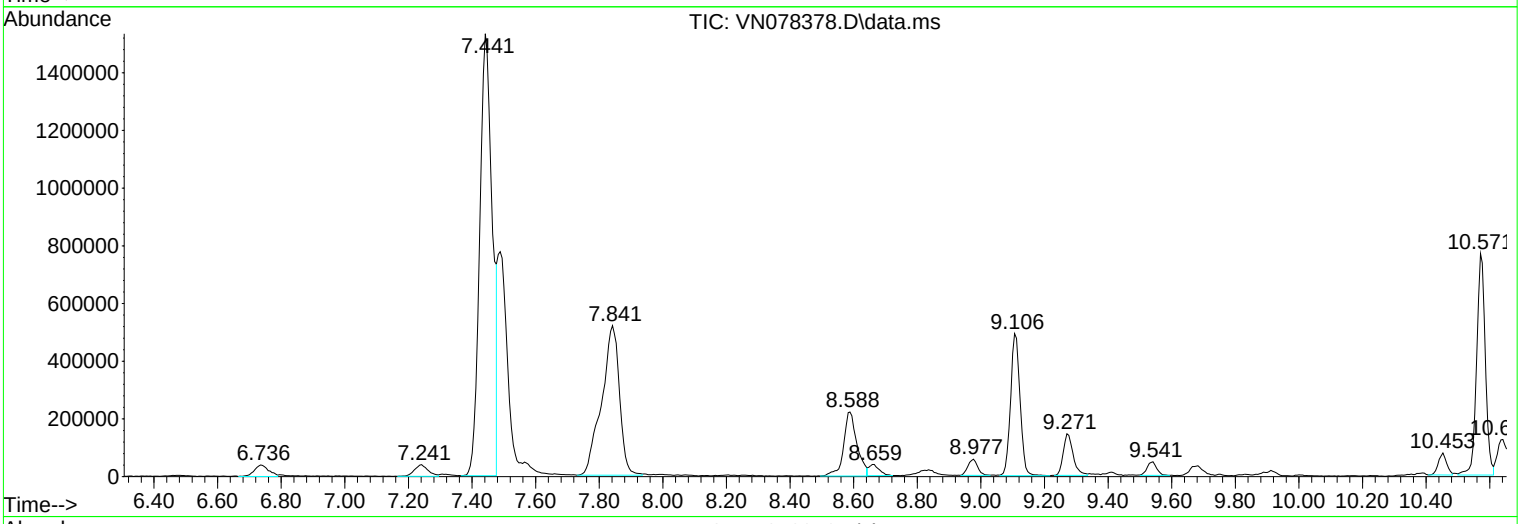
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

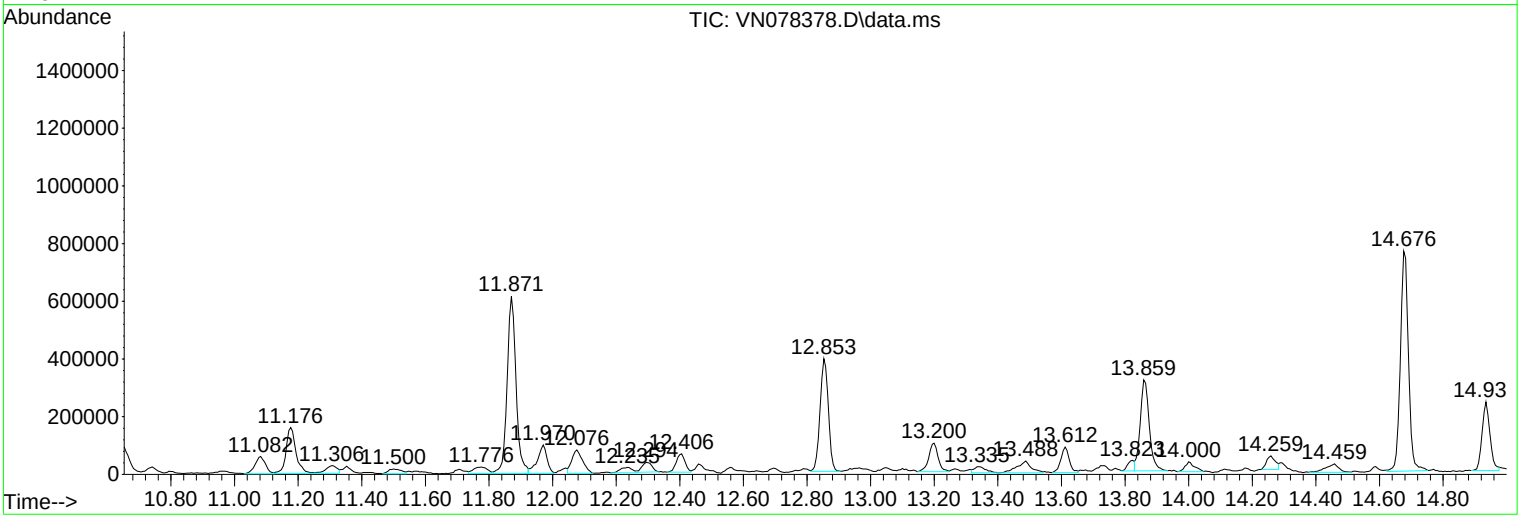
Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

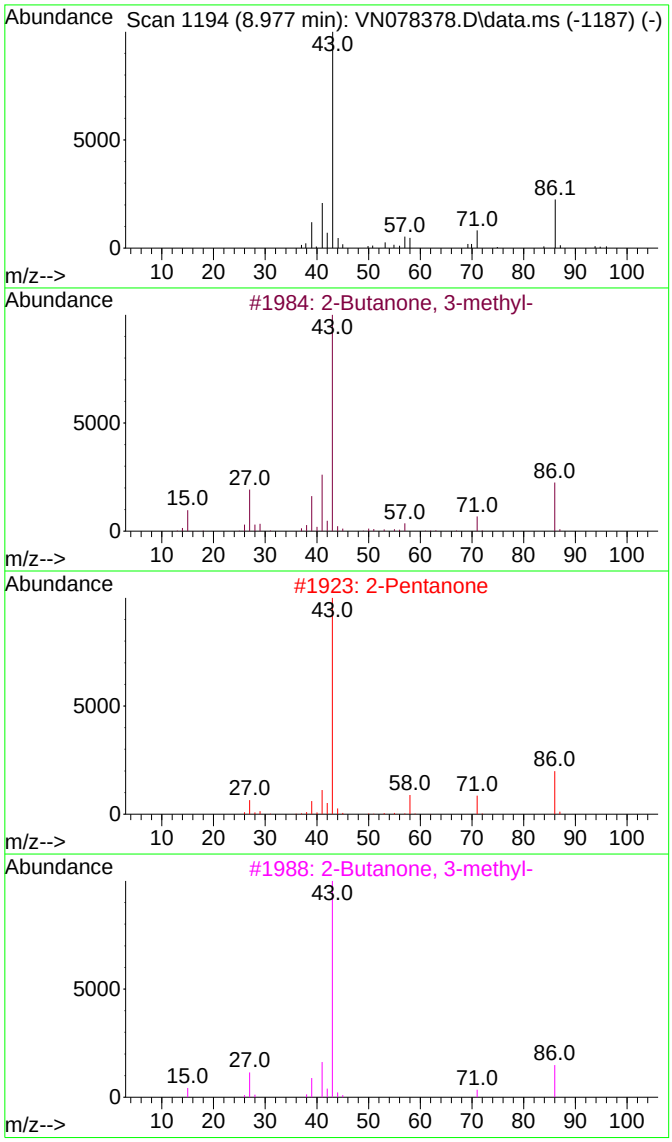
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

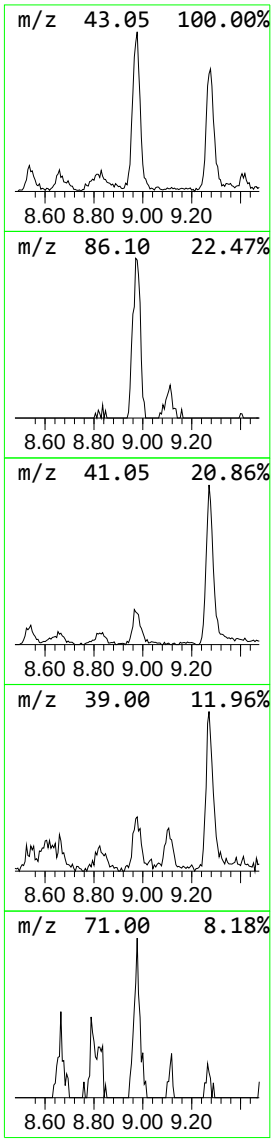
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Butanone, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.977	3.48 ug/l	117921	1,4-Difluorobenzene	9.106

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	72
2	2-Pentanone	86	C5H10O	000107-87-9	64
3	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59
4	2,3-Butanedione	86	C4H6O2	000431-03-8	58
5	2-Pentanone	86	C5H10O	000107-87-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

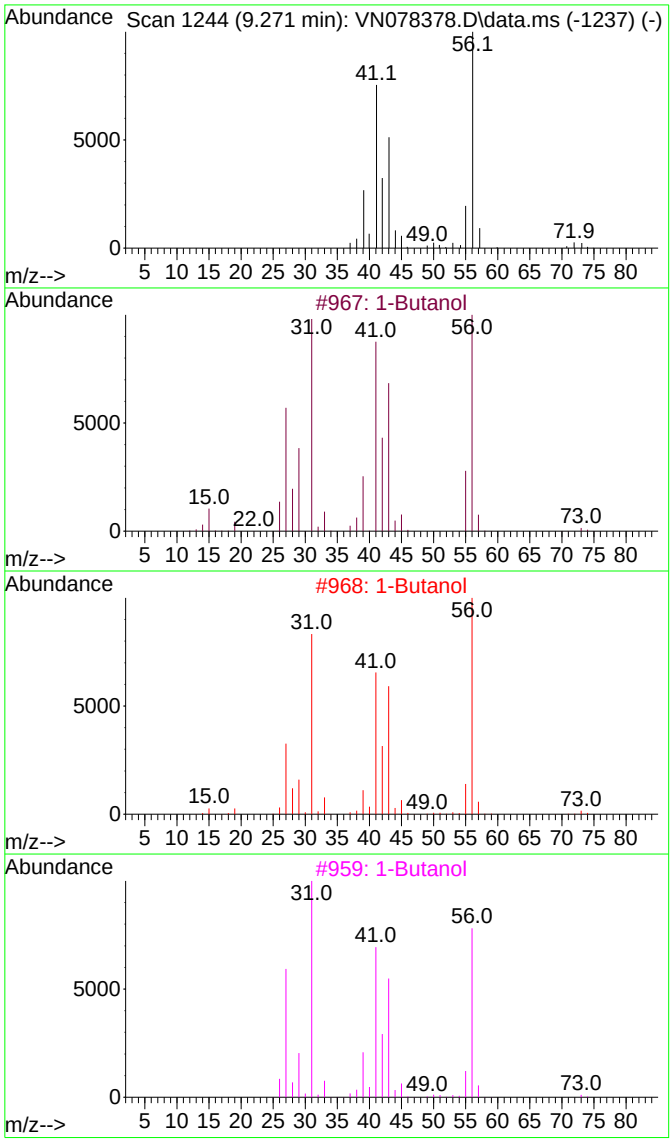
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

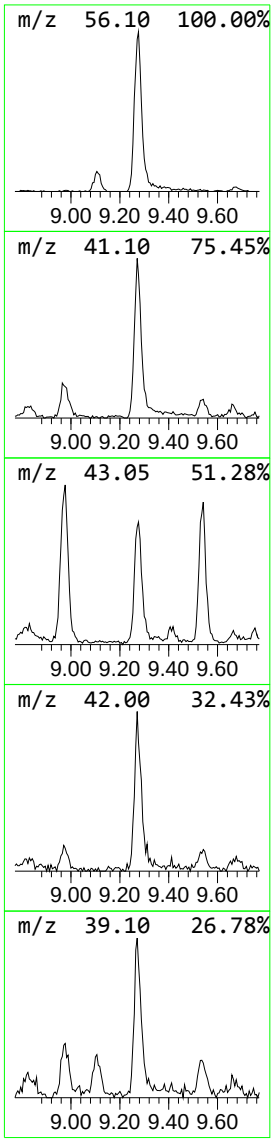
****

Peak Number 3 1-Butanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.271	9.06 ug/l	307555	1,4-Difluorobenzene	9.106

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	90
2	1-Butanol	74	C4H10O	000071-36-3	90
3	1-Butanol	74	C4H10O	000071-36-3	86
4	1-Butanol	74	C4H10O	000071-36-3	74
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

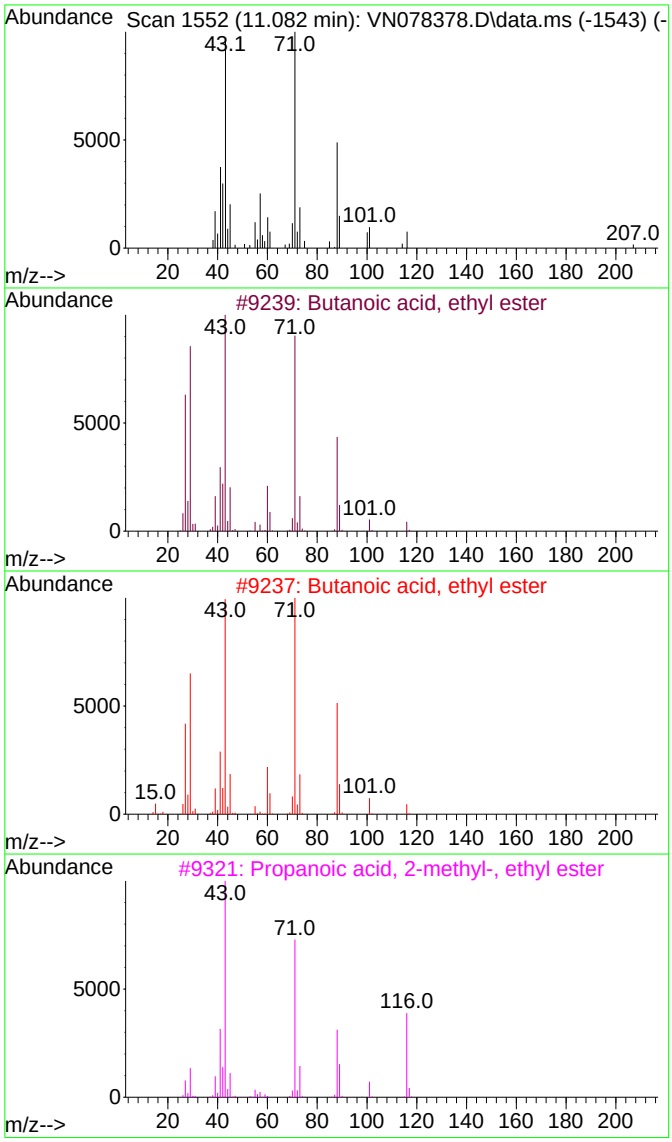
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

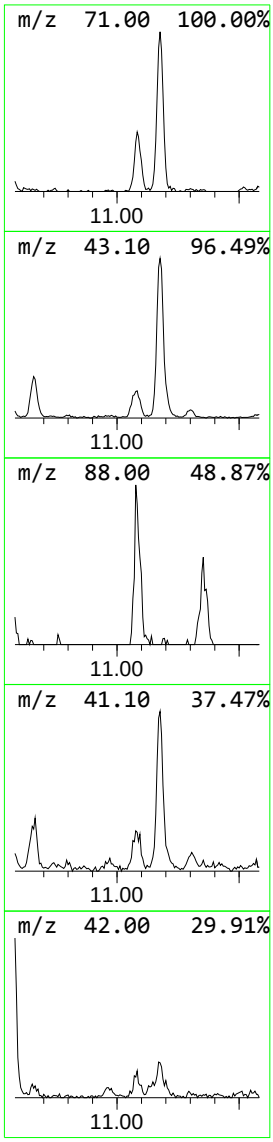
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Butanoic acid, ethyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.082	3.42 ug/l	135922	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, ethyl ester	116	C6H12O2	000105-54-4	90
2	Butanoic acid, ethyl ester	116	C6H12O2	000105-54-4	87
3	Propanoic acid, 2-methyl-, ethyl...	116	C6H12O2	000097-62-1	59
4	Propanoic acid, 2-methyl-, ethyl...	116	C6H12O2	000097-62-1	59
5	Propanoic acid, 2-methyl-, ethyl...	116	C6H12O2	000097-62-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

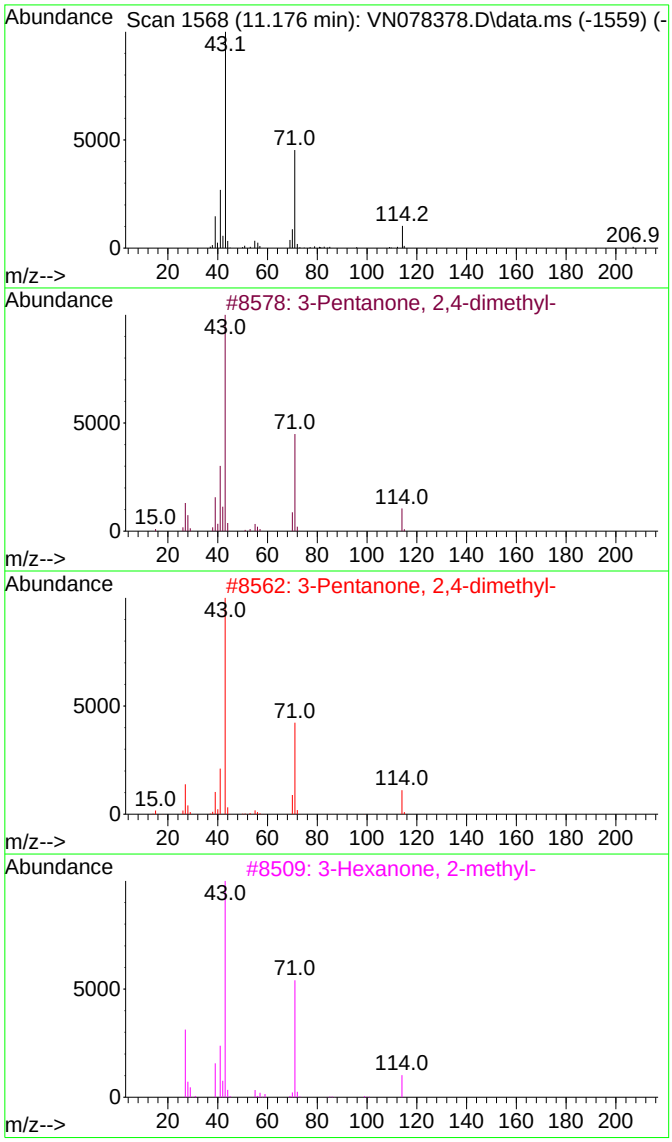
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

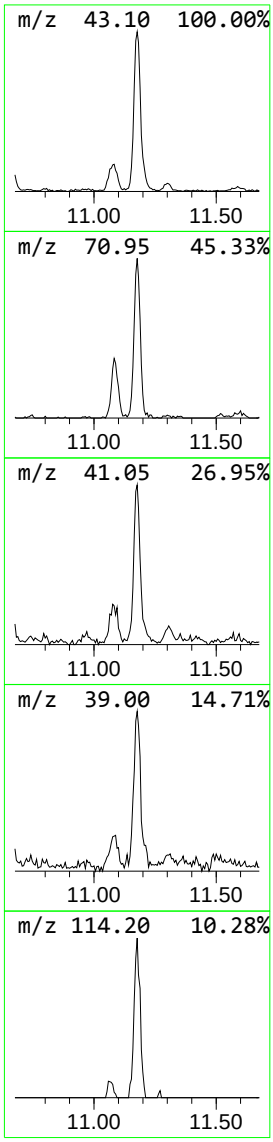
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 3-Pentanone, 2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.176	8.66 ug/l	343662	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
3	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
4	2,3-Hexanedione	114	C6H10O2	003848-24-6	72
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

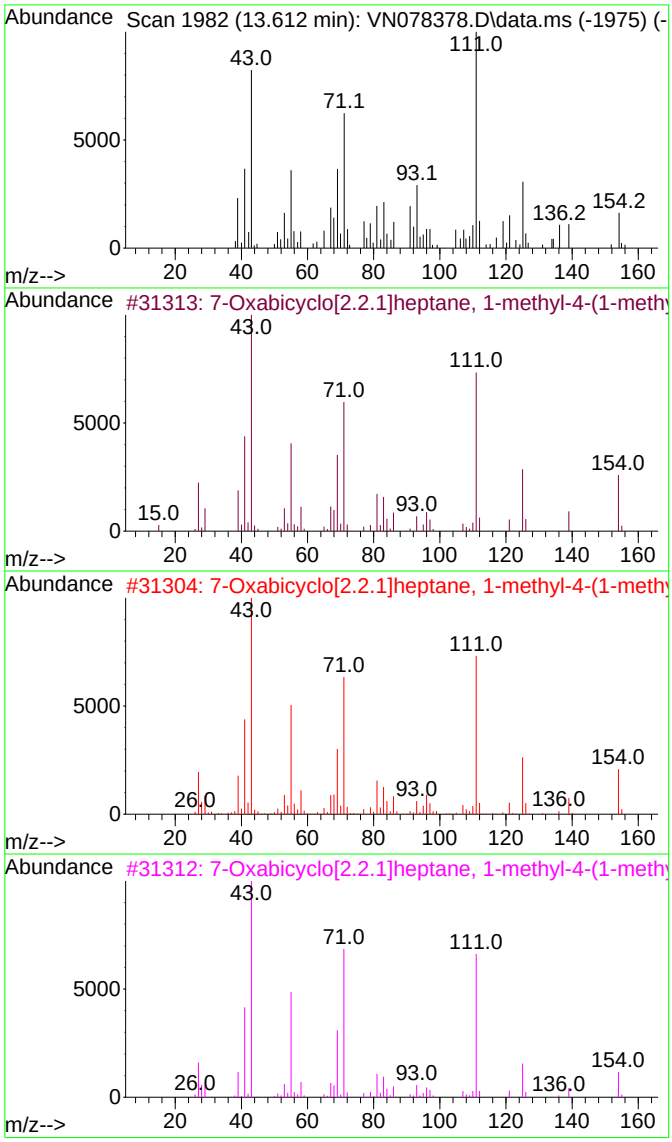
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

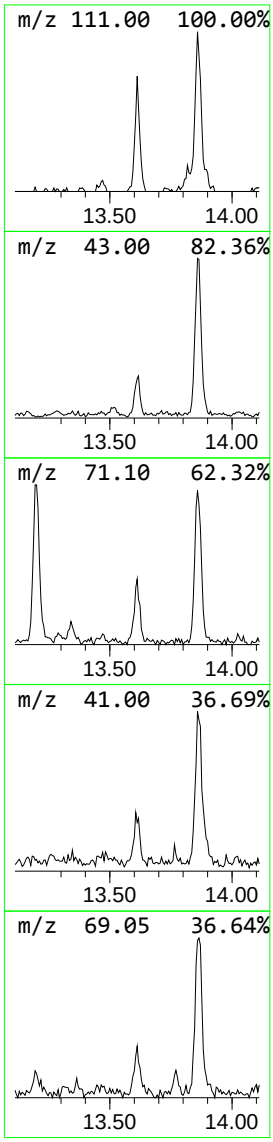
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.612	4.08 ug/l	162081	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	87
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	81
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	55
4	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	53
5	4-Hepten-3-one, 2,5,6-trimethyl-	154	C10H18O	016466-21-0	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

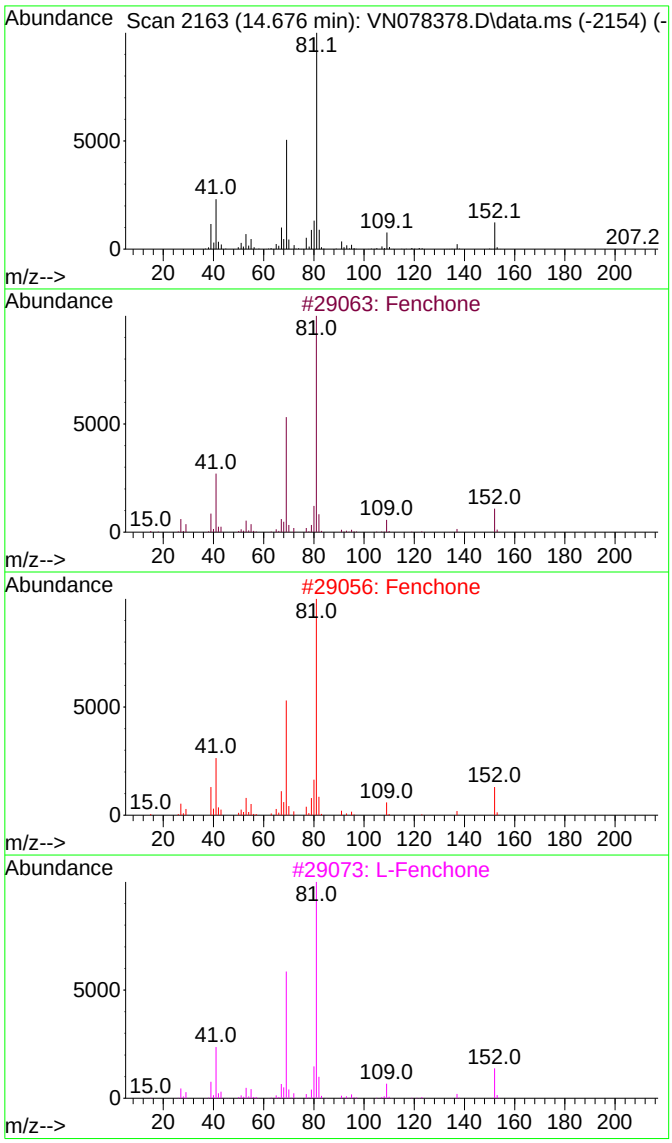
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

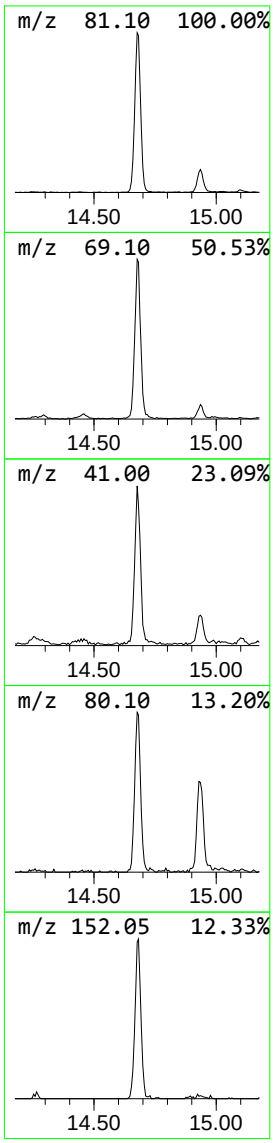
****

Peak Number 7 Fenchone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.676	33.94 ug/l	1347580	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchone	152	C10H16O	001195-79-5	94
2	Fenchone	152	C10H16O	001195-79-5	94
3	L-Fenchone	152	C10H16O	007787-20-4	91
4	D-Fenchone	152	C10H16O	004695-62-9	91
5	Fenchone	152	C10H16O	001195-79-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

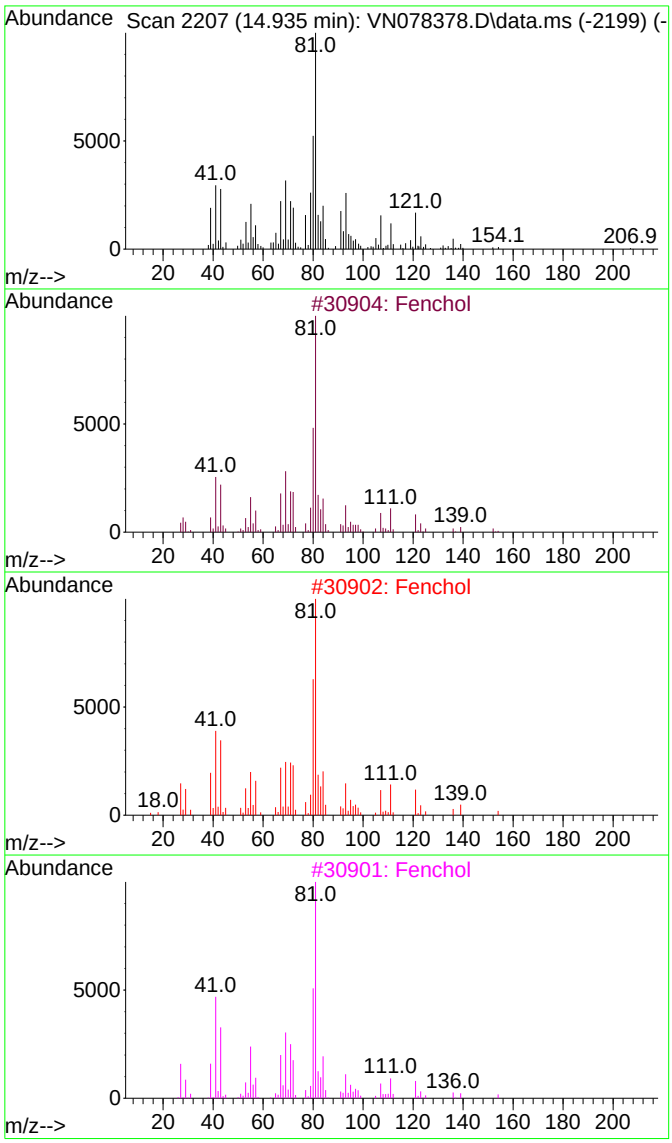
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

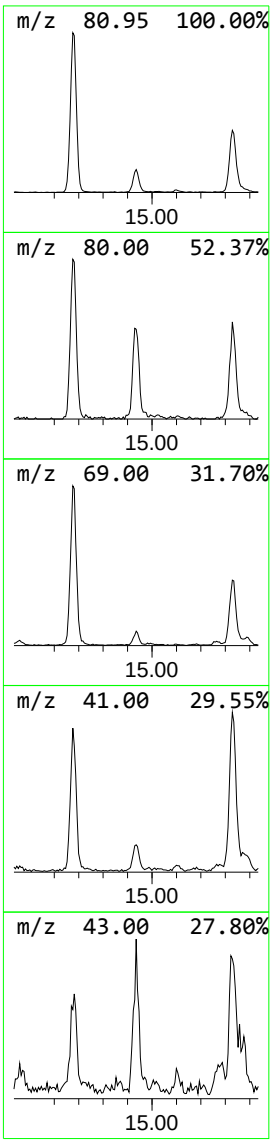
****

Peak Number 8 Fenchol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.935	10.38 ug/l	411934	Chlorobenzene-d5	11.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchol	154	C10H18O	001632-73-1	94
2	Fenchol	154	C10H18O	001632-73-1	74
3	Fenchol	154	C10H18O	001632-73-1	64
4	Fenchyl acetate	196	C12H20O2	013851-11-1	53
5	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	002217-02-9	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
Data File : VN078378.D
Acq On : 23 Jun 2023 15:15
Operator : JC\MD
Sample : 03379-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
230621028-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Butanone, 3-m...	8.977	3.5	ug/l	117921	2	9.106	1018000	30.0
1-Butanol	9.271	9.1	ug/l	307555	2	9.106	1018000	30.0
Butanoic acid, ...	11.082	3.4	ug/l	135922	3	11.871	1191050	30.0
3-Pentanone, 2,...	11.176	8.7	ug/l	343662	3	11.871	1191050	30.0
7-Oxabicyclo[2....	13.612	4.1	ug/l	162081	3	11.871	1191050	30.0
Fenchone	14.676	33.9	ug/l	1347580	3	11.871	1191050	30.0
Fenchol	14.935	10.4	ug/l	411934	3	11.871	1191050	30.0