LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\METHOD\SOMUTR072120WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.366	3	8	25	rVB	542343	529918	38.21%	7.804%
2	1.498	41	49	64	rVB	29555	30241	2.18%	0.445%
3	1.594	70	79	93	rBV3	309888	475749	34.31%	7.006%
4	1.694	105	110	118	rVV	21310	29262	2.11%	0.431%
5	1.742	118	125	136	rVB	50264	58970	4.25%	0.868%
6	1.919	171	180	197	rVB2	62925	97537	7.03%	1.436%
7	2.006	197	207	216	rBV	34928	47956	3.46%	0.706%
8	2.166	246	257	265	rBV	93710	130783	9.43%	1.926%
9	2.227	265	276	292	rVB4	69940	146254	10.55%	2.154%
10	2.330	300	308	317	rBV2	9620	13888	1.00%	0.205%
11	2.427	325	338	347	rBV2	27596	46909	3.38%	0.691%
12	2.581	369	386	398	rBV	82112	141883	10.23%	2.089%
13	2.649	398	407	418	rVB2	14570	25653	1.85%	0.378%
14	2.874	465	477	487	rBV2	12511	21535	1.55%	0.317%
15	2.996	501	515	524	rBV7	10174	26522	1.91%	0.391%
16	3.382	620	635	646	rVB4	7844	17612	1.27%	0.259%
17	3.604	688	704	725	rVB4	32832	82914	5.98%	1.221%
18	3.719	725	740	756	rVB4	8641	20090	1.45%	0.296%
19	3.851	768	781	794	rBV5	7081	15943	1.15%	0.235%
20	4.211	877	893	909	rBV6	9110	23677	1.71%	0.349%
21	4.465	960	972	989	rBV5	7212	17532	1.26%	0.258%
22	4.649	1013	1029	1050	rBV2	83336	220765	15.92%	3.251%
23	4.825	1069	1084	1101	rVB3	12628	30141	2.17%	0.444%
24	5.086	1147	1165	1187	rVB	74913	185419	13.37%	2.730%
25	5.742	1347	1369	1398	rBV2	148808	408114	29.43%	6.010%
26	5.986	1434	1445	1453	rBV3	7148	14543	1.05%	0.214%
27	6.041	1453	1462	1480	rVB4	11162	27906	2.01%	0.411%
28	6.266	1518	1532	1557	rBV	130719	258747	18.66%	3.810%
29	6.555	1613	1622	1639	rBV9	9392	21898	1.58%	0.322%
30	6.706	1655	1669	1685	rBV2	96032	188887	13.62%	2.782%
31	6.893	1715	1727	1739	rBV4	7097	14498	1.05%	0.213%
32	7.578	1925	1940	1954	rBV2	48928	89130	6.43%	1.313%
33	7.906	2029	2042	2055	rBV	180947	308638	22.26%	4.545%
34	7.976	2055	2064	2073	rVB2	17224	27825	2.01%	0.410%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\METHOD\SOMUTR072120WMA.M
Title : TRACE VOA SOM01.0

35	8.185	2119	2129	2139	rBV2	29918	51286	3.70%	0.755%
36	8.558	2231	2245	2259	rBV	811942	1386683	100.00%	20.420%
37	8.642	2259	2271	2297	rVB	258059	473714	34.16%	6.976%
38	8.793	2310	2318	2331	rVB4	9185	15168	1.09%	0.223%
39	9.423	2501	2514	2528	rBV	187879	317021	22.86%	4.668%
40	9.571	2547	2560	2568	rBV3	10323	17070	1.23%	0.251%
41	10.758	2917	2929	2942	rBV	77475	124142	8.95%	1.828%
42	11.809	3241	3256	3273	rBV	187977	304342	21.95%	4.482%
43	12.188	3362	3374	3389	rVB	186577	303938	21.92%	4.476%

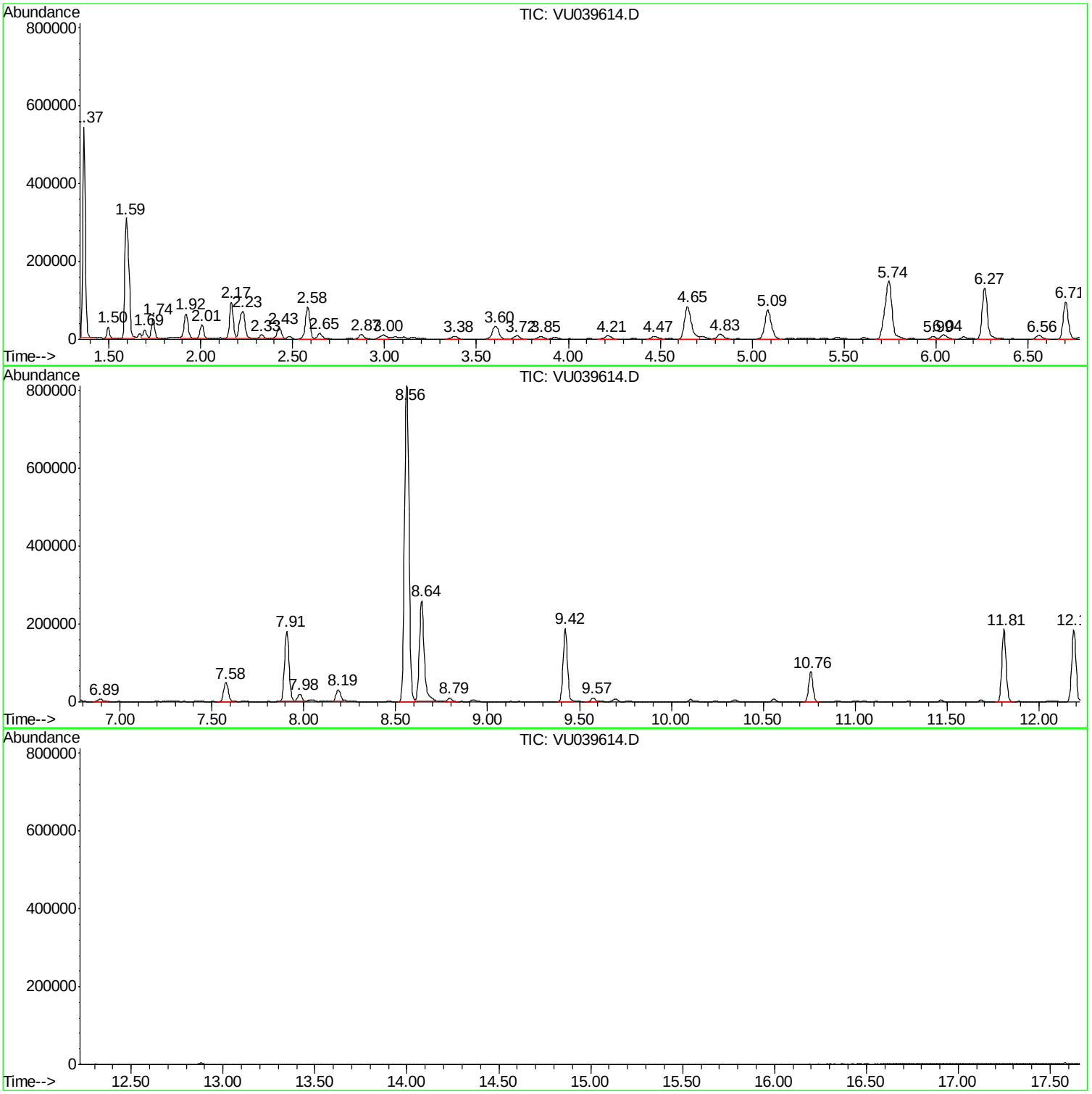
Sum of corrected areas: 6790703

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAY03

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

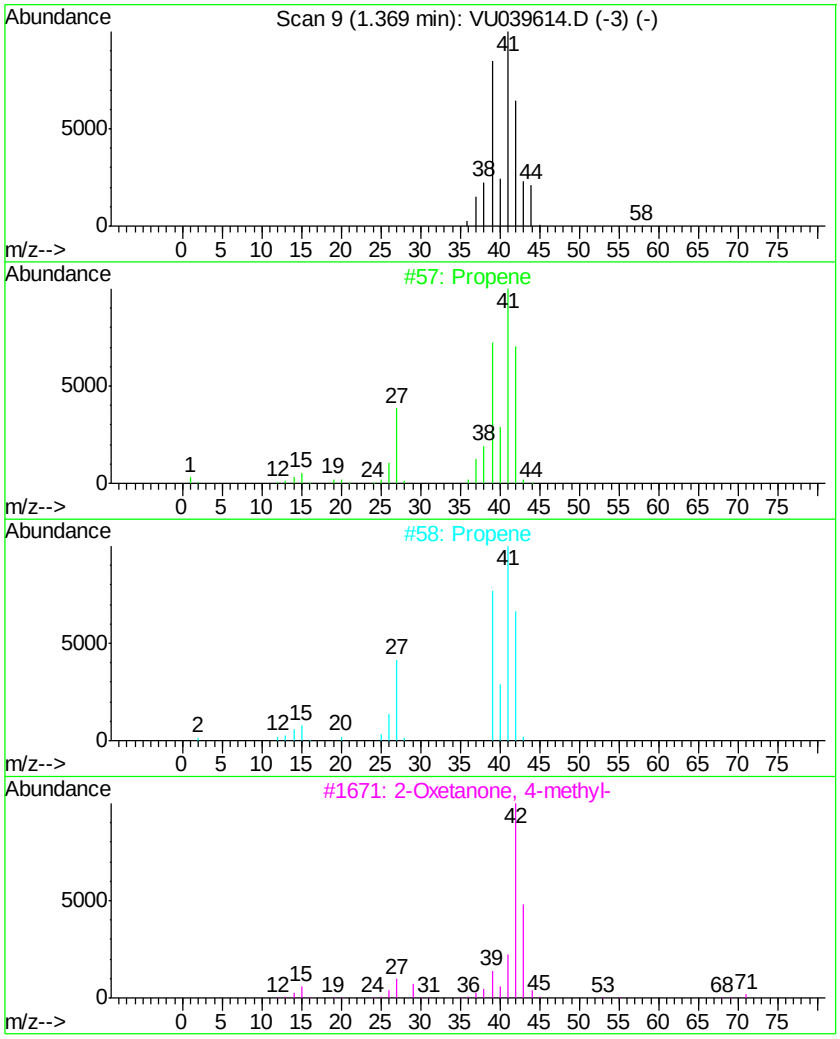
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

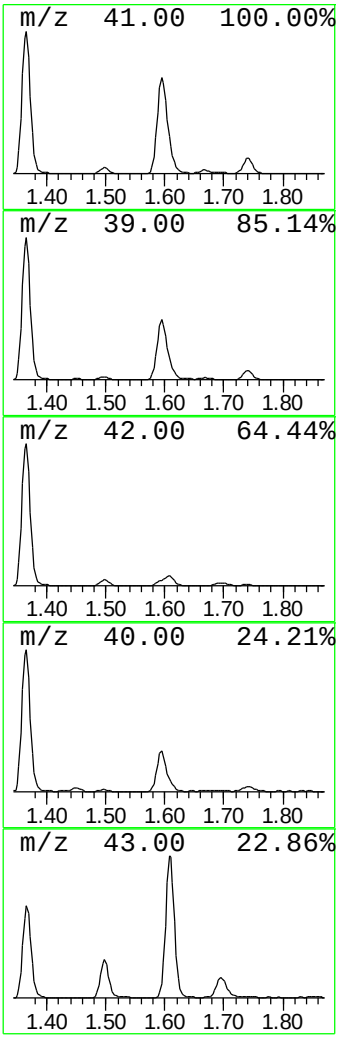
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	10.24 ug/L	529918	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	45
3	2-Oxetanone, 4-methyl-	86	C4H6O2	003068-88-0	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropene	40	C3H4	002781-85-3	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

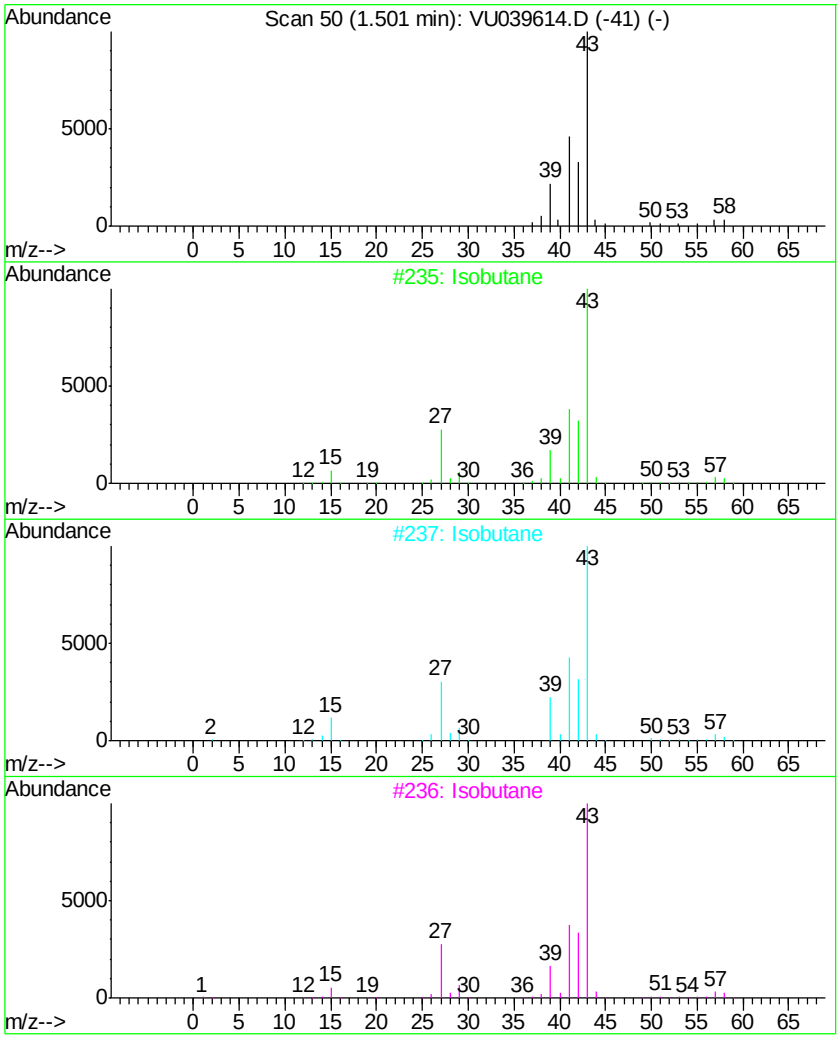
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

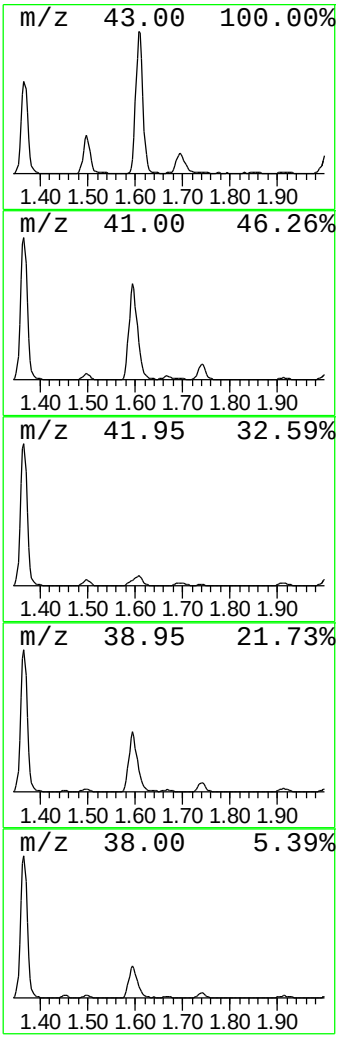
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.50	0.58 ug/L	30241	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	80
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	45
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

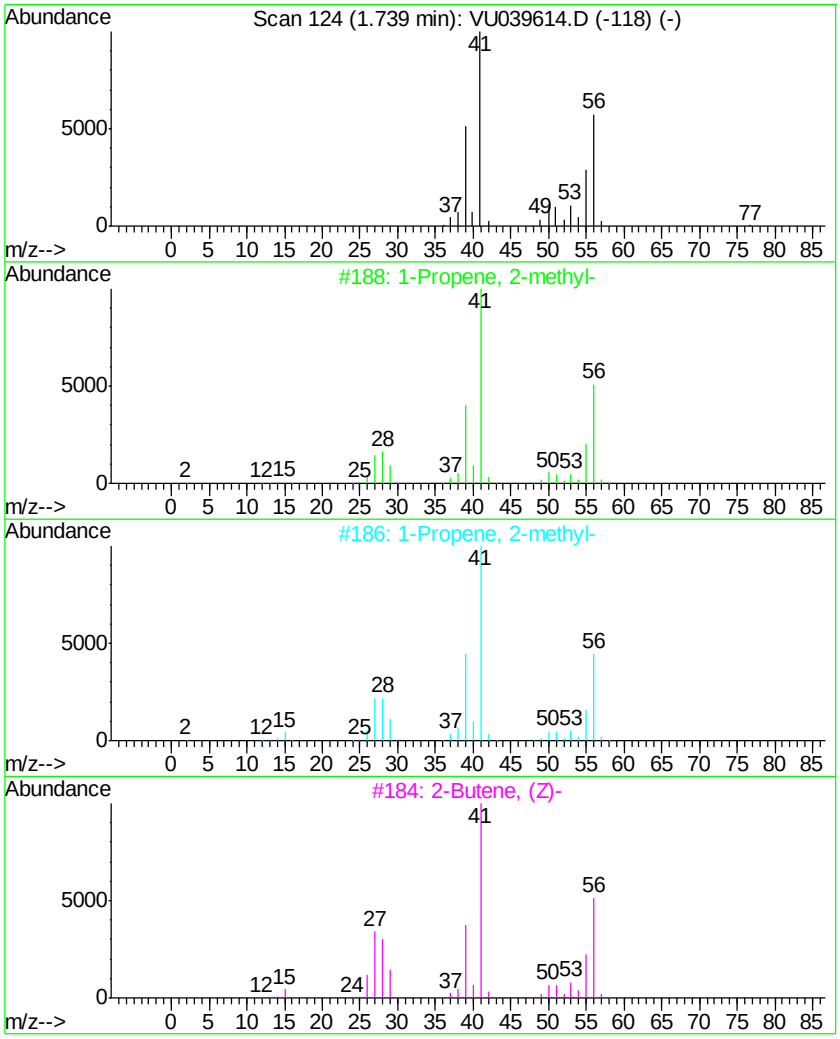
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

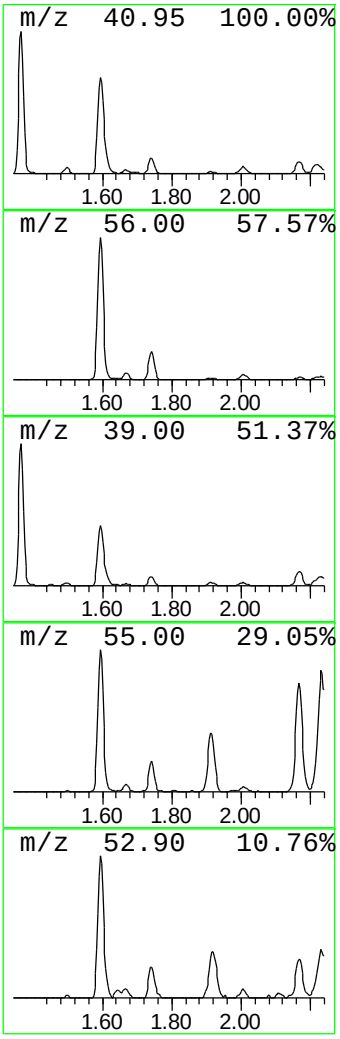
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.74	1.14 ug/L	58970	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
3	2-Butene, (Z)-	56	C4H8	000590-18-1	72
4	2-Butene, (E)-	56	C4H8	000624-64-6	72
5	2-Butene	56	C4H8	000107-01-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

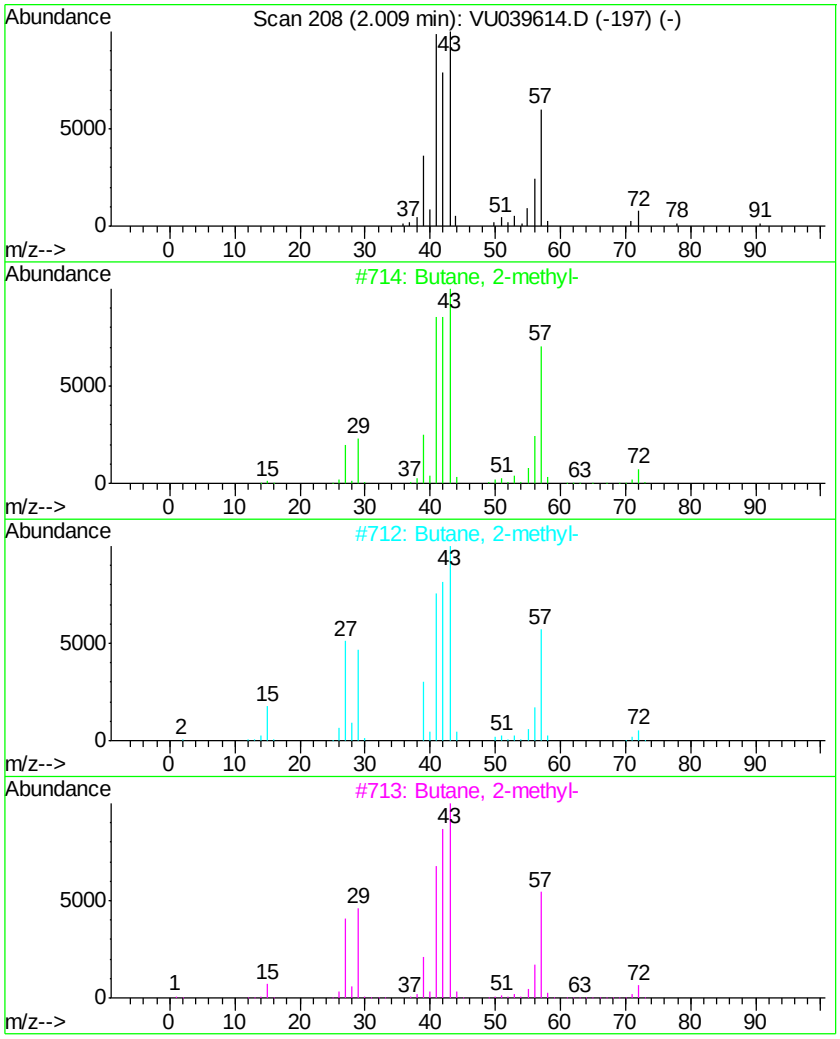
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

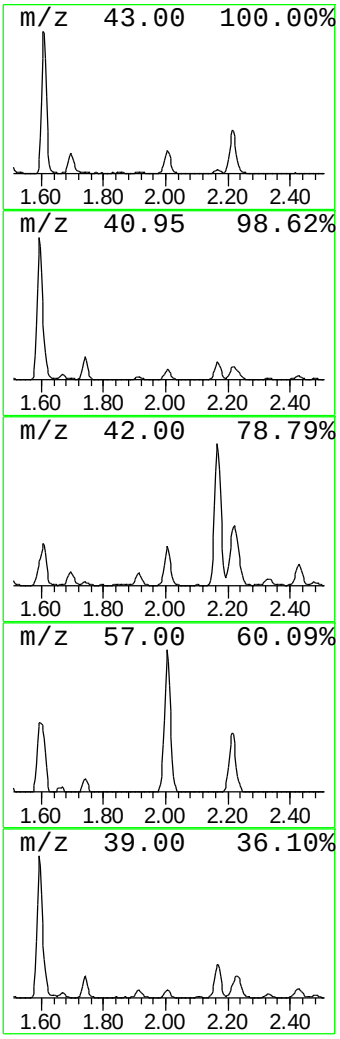
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	0.93 ug/L	47956	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	81
2	Butane, 2-methyl-	72	C5H12	000078-78-4	68
3	Butane, 2-methyl-	72	C5H12	000078-78-4	64
4	3-Buten-1-ol	72	C4H8O	000627-27-0	25
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

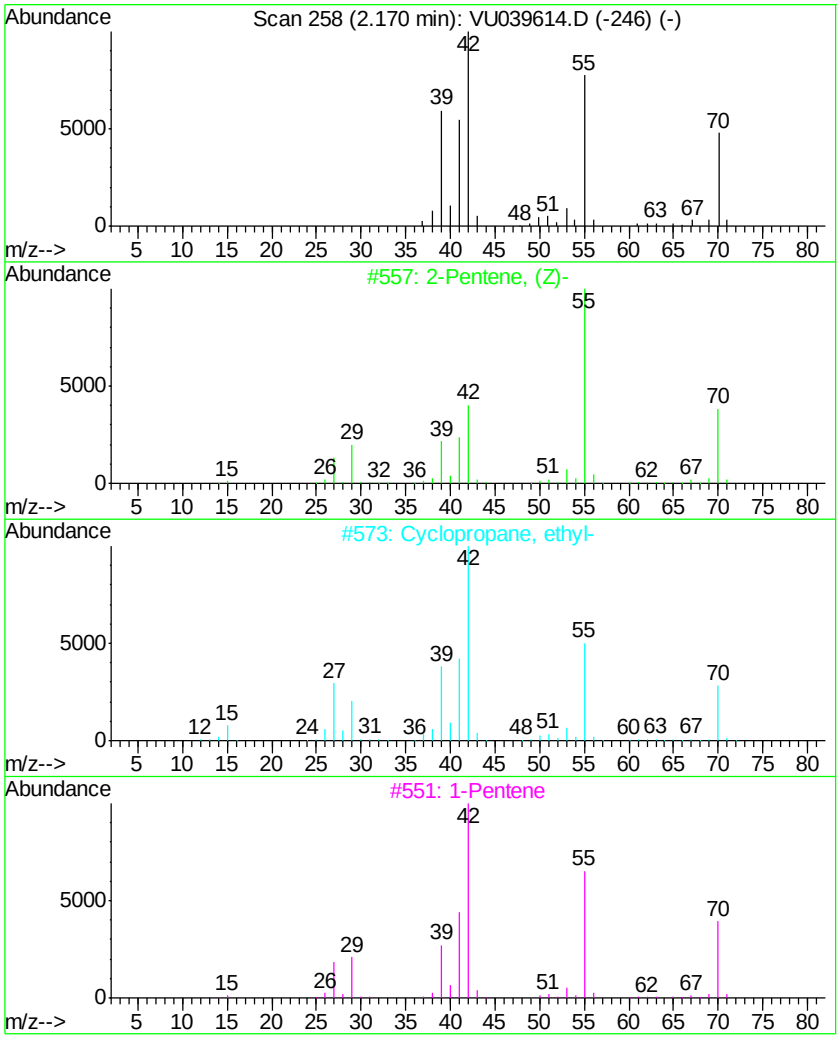
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

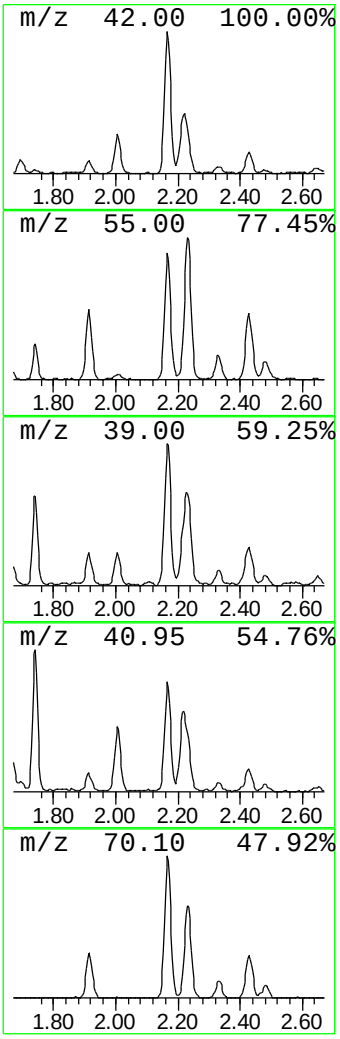
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	2.53 ug/L	130783	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	70
3	1-Pentene	70	C5H10	000109-67-1	64
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	64





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Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

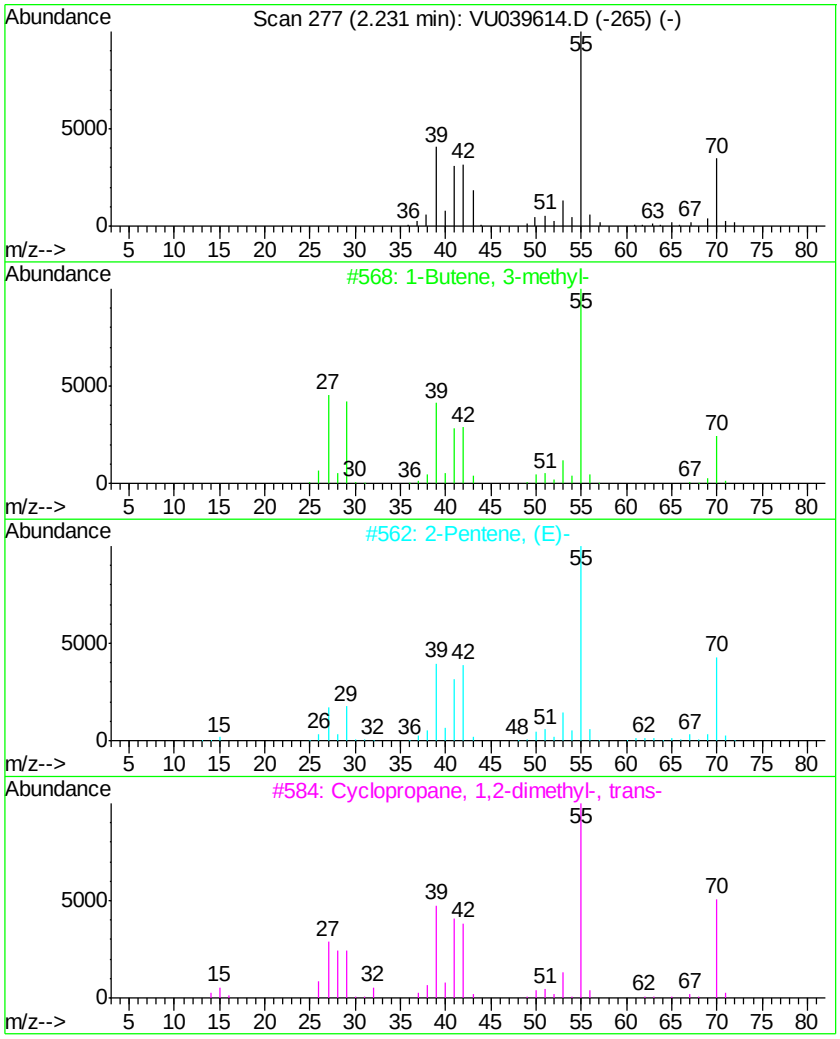
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

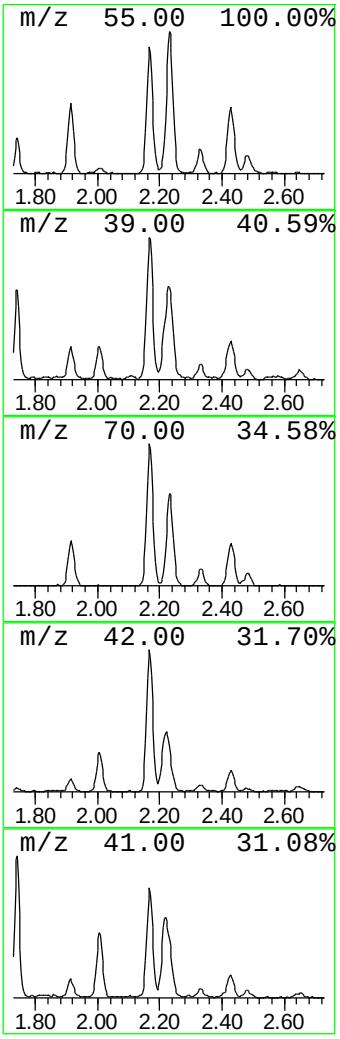
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	2.83 ug/L	146254	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 3-methyl-	70	C5H10	000563-45-1	90
2	2-Pentene, (E)-	70	C5H10	000646-04-8	90
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
5	2-Methyl-1-butene	70	C5H10	000563-46-2	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

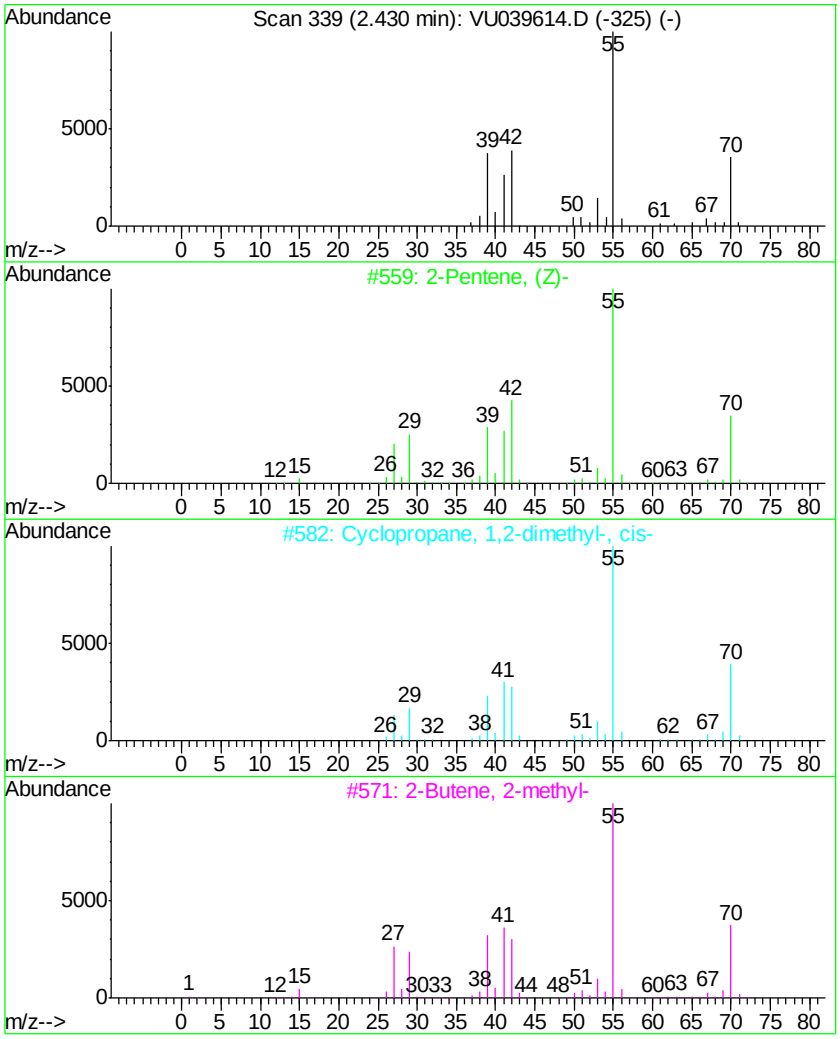
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

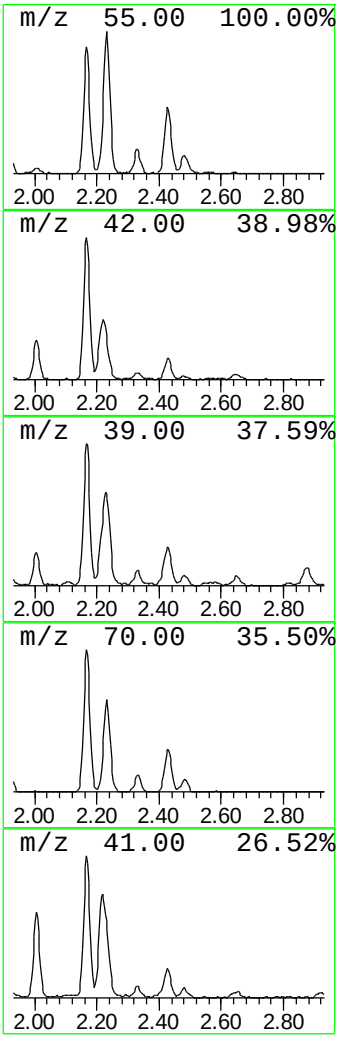
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.43	0.91 ug/L	46909	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
4	2-Methyl-1-butene	70	C5H10	000563-46-2	86
5	2-Pentene	70	C5H10	000109-68-2	86





Library Search Compound Report

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Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

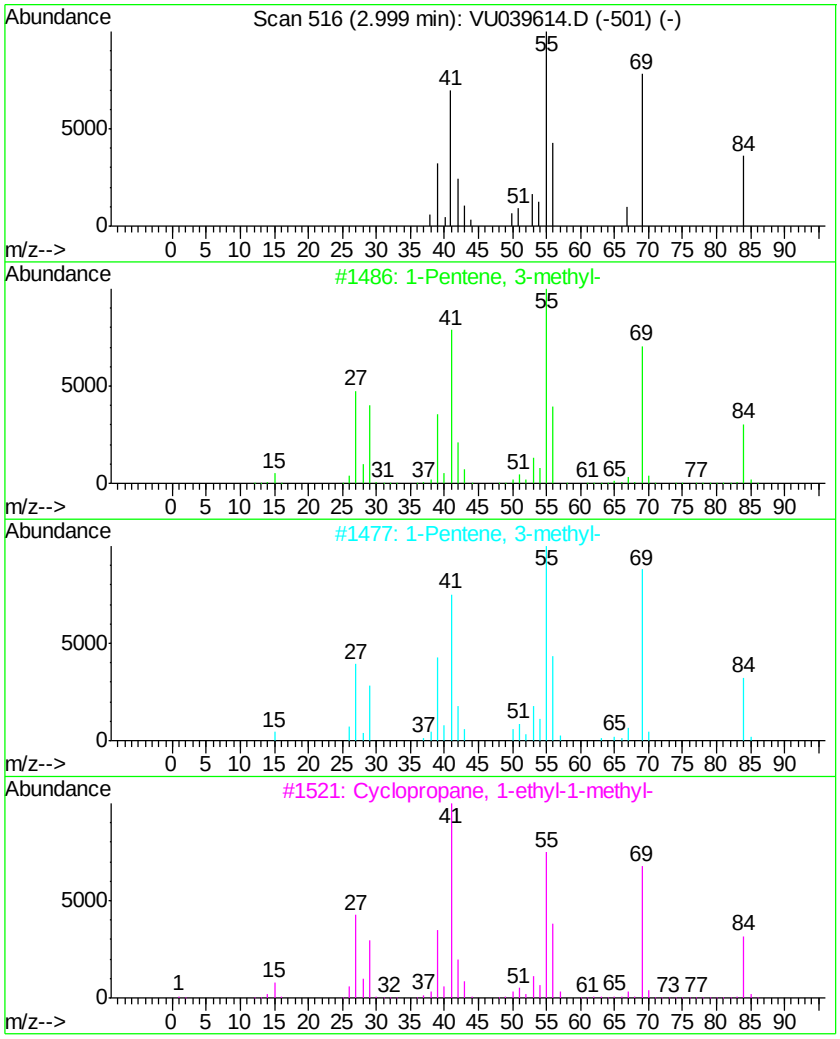
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

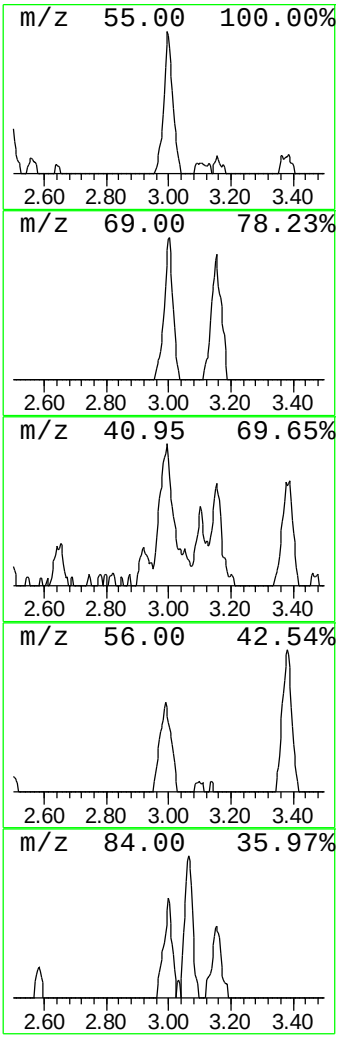
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	0.51 ug/L	26522	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	91
2	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	90
3	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	87
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	83
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	68





Library Search Compound Report

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Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

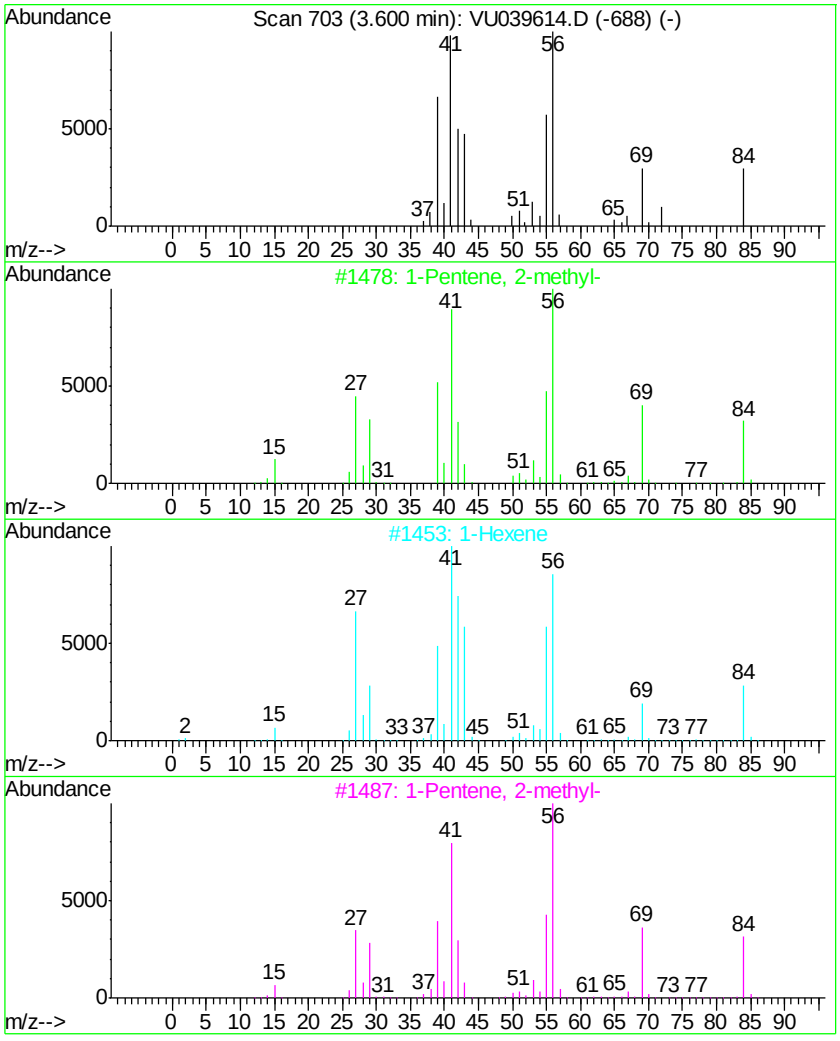
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

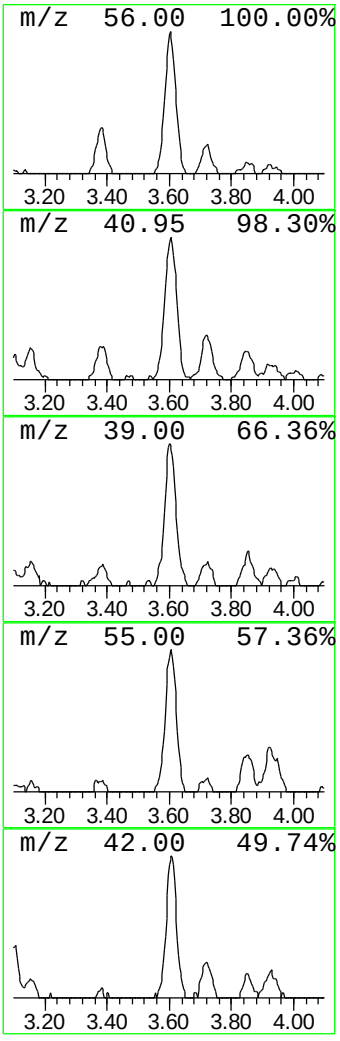
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	1.60 ug/L	82914	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
2	1-Hexene	84	C6H12	000592-41-6	76
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
4	1-Hexene	84	C6H12	000592-41-6	58
5	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

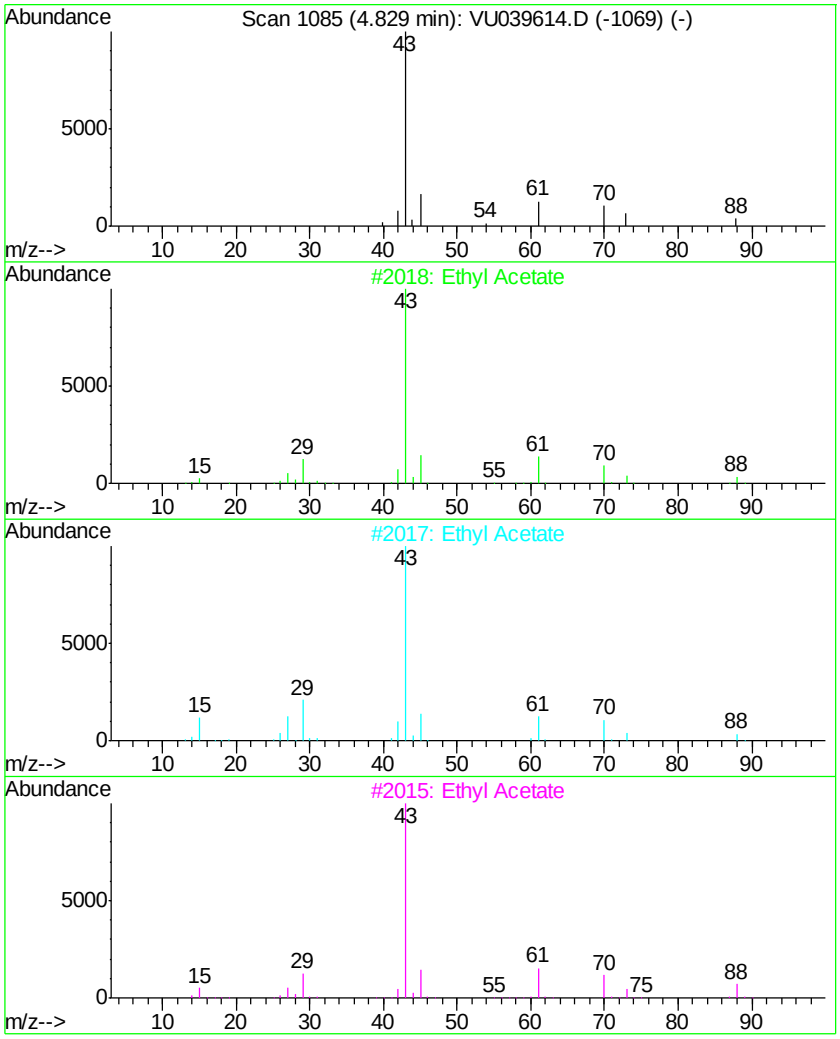
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

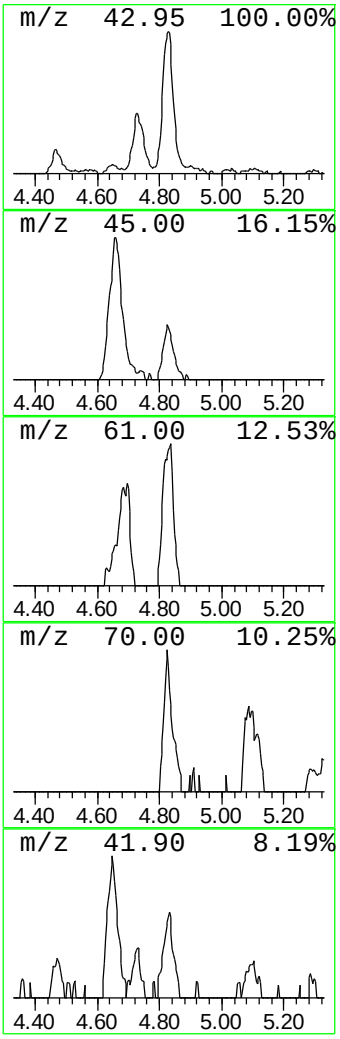
****

Peak Number 11 Ethyl Acetate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	0.58 ug/L	30141	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	83
3	Ethyl Acetate	88	C4H8O2	000141-78-6	74
4	Ethyl Acetate	88	C4H8O2	000141-78-6	74
5	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

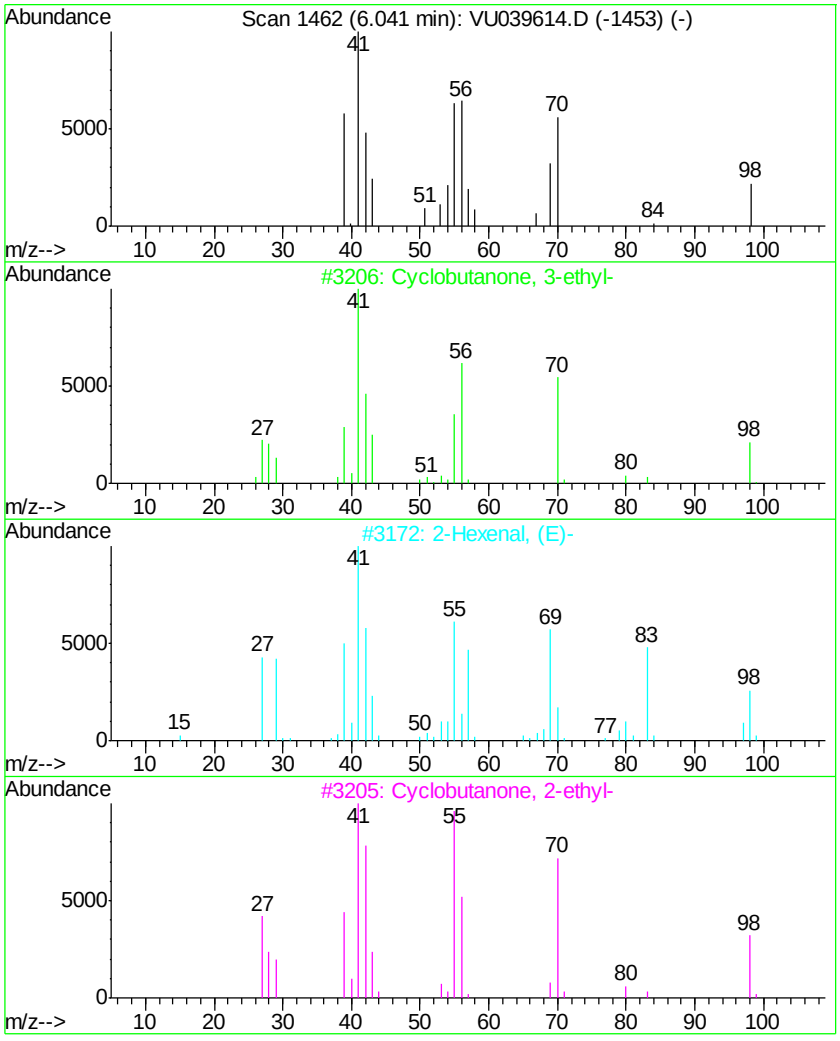
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

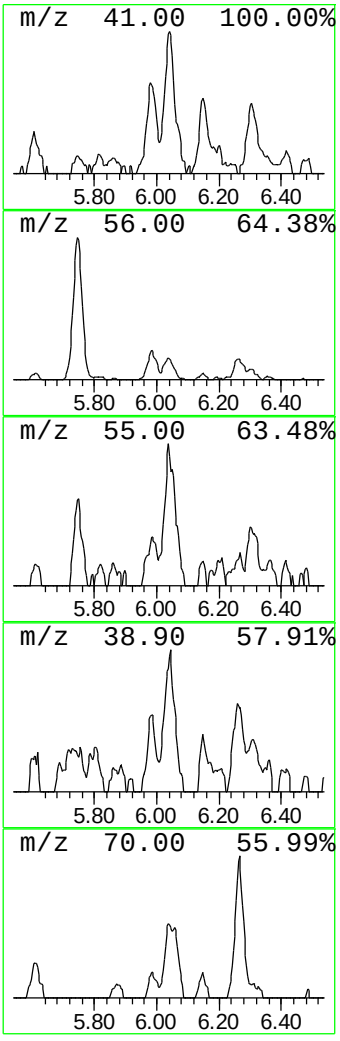
****

Peak Number 12 Cyclobutanone, 3-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	0.54 ug/L	27906	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	53
2	2-Hexenal, (E)-	98	C6H10O	006728-26-3	50
3	Cyclobutanone, 2-ethyl-	98	C6H10O	010374-14-8	47
4	1-Heptene	98	C7H14	000592-76-7	46
5	(Z)-2-Heptene	98	C7H14	006443-92-1	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039614.D
Acq On : 21 Jul 2020 21:56
Operator : SY/MD
Sample : L3347-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY03

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.37	10.2	ug/L	529918	1	6.27	258747	5.0
(DEL) Alkane: Str...	1.50	0.6	ug/L	30241	1	6.27	258747	5.0
(DEL) Alkane: Str...	1.74	1.1	ug/L	58970	1	6.27	258747	5.0
(DEL) Alkane: Str...	2.01	0.9	ug/L	47956	1	6.27	258747	5.0
(DEL) Alkane: Str...	2.17	2.5	ug/L	130783	1	6.27	258747	5.0
(DEL) Alkane: Str...	2.23	2.8	ug/L	146254	1	6.27	258747	5.0
(DEL) Alkane: Str...	2.43	0.9	ug/L	46909	1	6.27	258747	5.0
(DEL) Alkane: Str...	3.00	0.5	ug/L	26522	1	6.27	258747	5.0
(DEL) Alkane: Str...	3.60	1.6	ug/L	82914	1	6.27	258747	5.0
Ethyl Acetate	4.83	0.6	ug/L	30141	1	6.27	258747	5.0
Cyclobutanone, 3-...	6.04	0.5	ug/L	27906	1	6.27	258747	5.0