LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

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\SOMUTR050720WMA.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	1.610	74	84	95	rBV	197059	222409	10.20%	1.395%
2	1.932	175	184	197	rVB	174833	222475	10.21%	1.396%
3	2.594	376	390	404	rBV	289596	476742	21.87%	2.991%
4	2.687	405	419	436	rBV	9842	33184	1.52%	0.208%
5	4.687	1022	1041	1086	rBV	237194	900074	41.29%	5.647%
6	5.102	1153	1170	1190	rBV	254897	577518	26.49%	3.623%
7	5.758	1349	1374	1406	rBV2	560789	1510086	69.27%	9.474%
8	6.279	1520	1536	1553	rBV	448467	853045	39.13%	5.352%
9	6.536	1602	1616	1638	rBV	43154	105867	4.86%	0.664%
10	6.722	1659	1674	1693	rBV	347591	684093	31.38%	4.292%
11	6.832	1698	1708	1722	rVB5	12157	25326	1.16%	0.159%
12	7.591	1931	1944	1963	rBV	180667	318000	14.59%	1.995%
13	7.922	2032	2047	2064	rBV	664828	1188992	54.54%	7.459%
14	8.201	2119	2134	2149	rBV	117085	201860	9.26%	1.266%
15	8.513	2218	2231	2242	rBV2	15102	27243	1.25%	0.171%
16	8.658	2260	2276	2315	rBV	1123357	2179848	100.00%	13.676%
17	9.086	2390	2409	2421	rBV10	7957	22353	1.03%	0.140%
18	9.436	2504	2518	2547	rVB	647043	1163027	53.35%	7.297%
19	9.709	2592	2603	2613	rBV3	29874	50851	2.33%	0.319%
20	9.777	2613	2624	2643	rVV	107031	189653	8.70%	1.190%
21	10.118	2720	2730	2742	rVB	16684	28745	1.32%	0.180%
22	10.584	2860	2875	2887	rBV4	29094	52886	2.43%	0.332%
23	10.770	2921	2933	2953	rVB	290486	466575	21.40%	2.927%
24	10.893	2955	2971	2983	rBV6	53327	96278	4.42%	0.604%
25	11.404	3122	3130	3142	rBV3	23095	35617	1.63%	0.223%
26	11.491	3142	3157	3167	rBV8	10422	24248	1.11%	0.152%
27	11.645	3190	3205	3222	rBV3	58795	131083	6.01%	0.822%
28	11.825	3248	3261	3279	rBV	697263	1149127	52.72%	7.209%
29	11.905	3279	3286	3293	rBV6	16008	28958	1.33%	0.182%
30	12.105	3333	3348	3357	rBV2	35744	71479	3.28%	0.448%
31	12.204	3367	3379	3398	rBV2	707669	1298585	59.57%	8.147%
32	12.555	3478	3488	3506	rVB	75527	127359	5.84%	0.799%
33	12.844	3571	3578	3590	rVB6	20442	37201	1.71%	0.233%
34	13.069	3643	3648	3657	rVB6	24067	35541	1.63%	0.223%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

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\SOMUTR050720WMA.M
Title : TRACE VOA SOM01.0

35	13.478	3766	3775	3789	rVB6	45983	90502	4.15%	0.568%
36	13.629	3810	3822	3841	rBV6	83298	208567	9.57%	1.309%
37	13.712	3843	3848	3855	rVB5	18671	25938	1.19%	0.163%
38	13.880	3889	3900	3908	rBV5	41224	80256	3.68%	0.504%
39	13.979	3923	3931	3937	rBV8	23499	39826	1.83%	0.250%
40	14.227	3996	4008	4020	rBV2	57005	107629	4.94%	0.675%
41	14.597	4114	4123	4136	rVB	135208	218257	10.01%	1.369%
42	15.024	4250	4256	4259	rBV6	20080	26582	1.22%	0.167%
43	15.121	4277	4286	4296	rVB4	119983	203185	9.32%	1.275%
44	15.259	4322	4329	4338	rVB2	47817	68212	3.13%	0.428%
45	15.317	4340	4347	4357	rVB2	13612	21858	1.00%	0.137%
46	15.404	4368	4374	4383	rVB5	24686	38808	1.78%	0.243%
47	15.455	4384	4390	4400	rVB3	19345	28461	1.31%	0.179%
48	15.851	4505	4513	4524	rVB5	24104	40498	1.86%	0.254%
49	16.044	4566	4573	4584	rVB3	38287	59648	2.74%	0.374%
50	16.146	4590	4605	4616	rVB4	53880	122886	5.64%	0.771%
51	16.365	4666	4673	4683	rVB4	13196	21923	1.01%	0.138%

Sum of corrected areas: 15939364

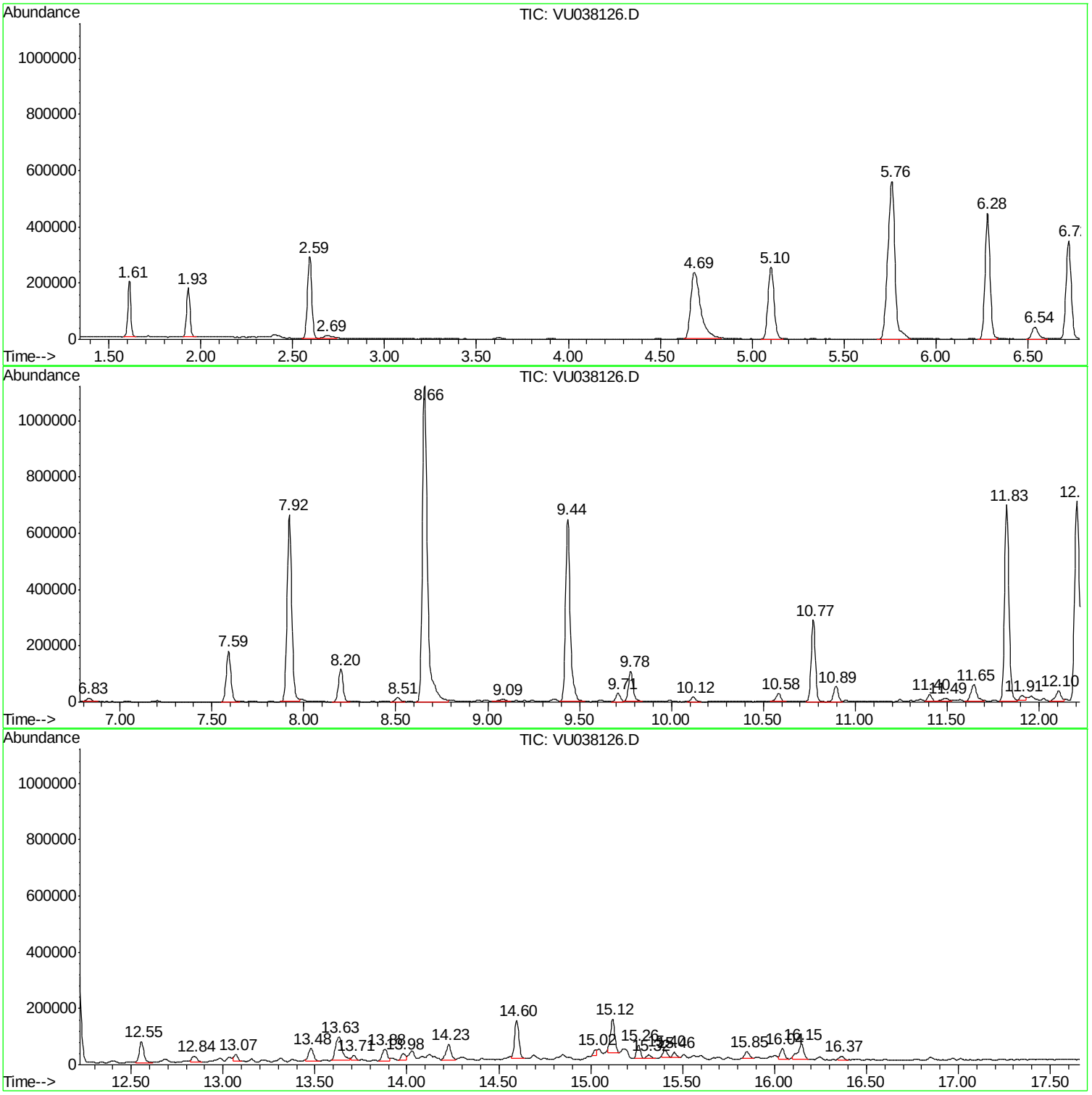
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.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\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

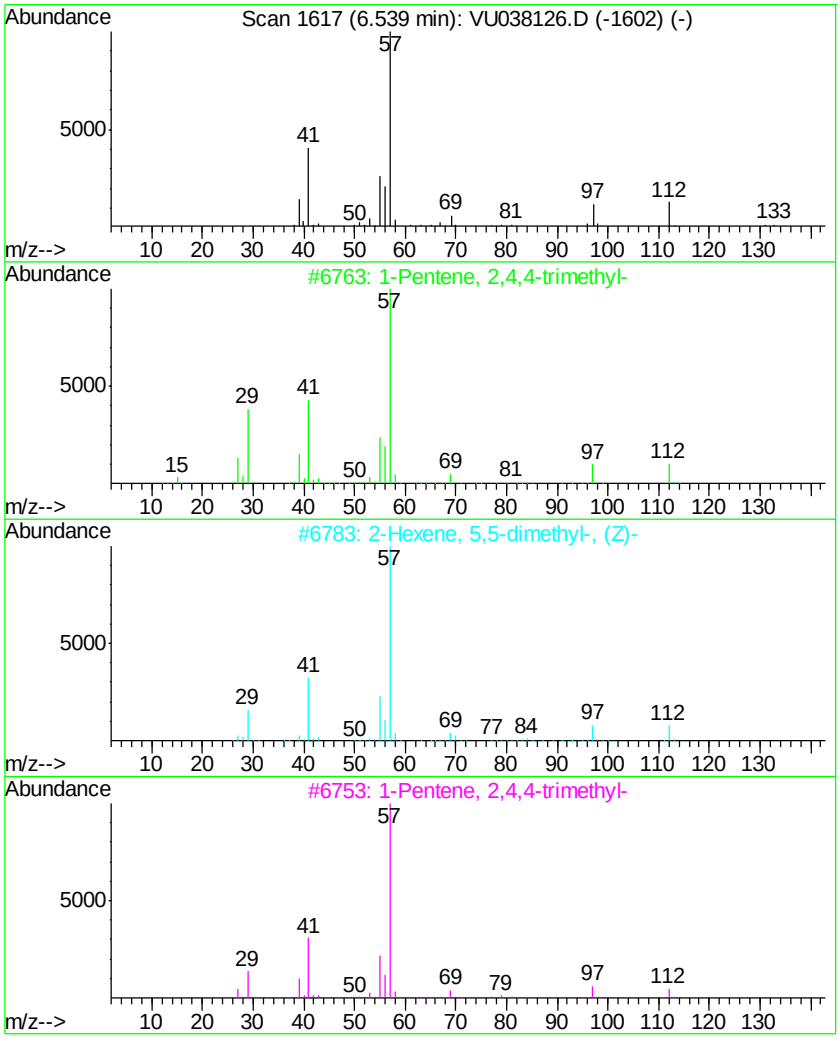
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

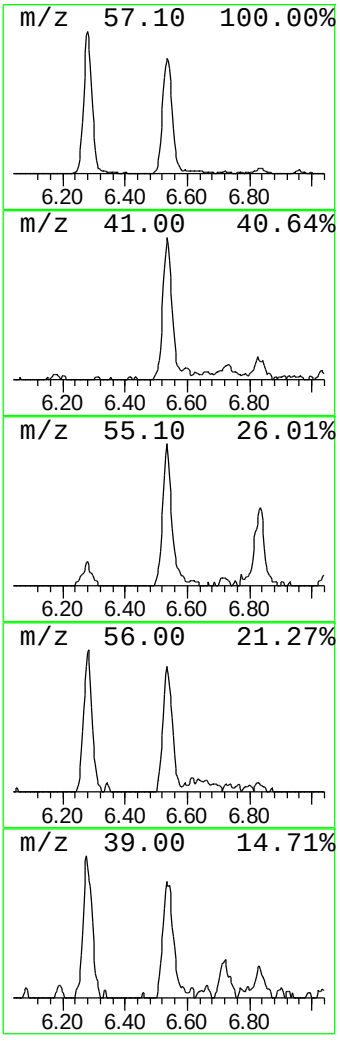
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	0.62 ug/L	105867	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	86
2	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	64
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64
4	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	52
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	47





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

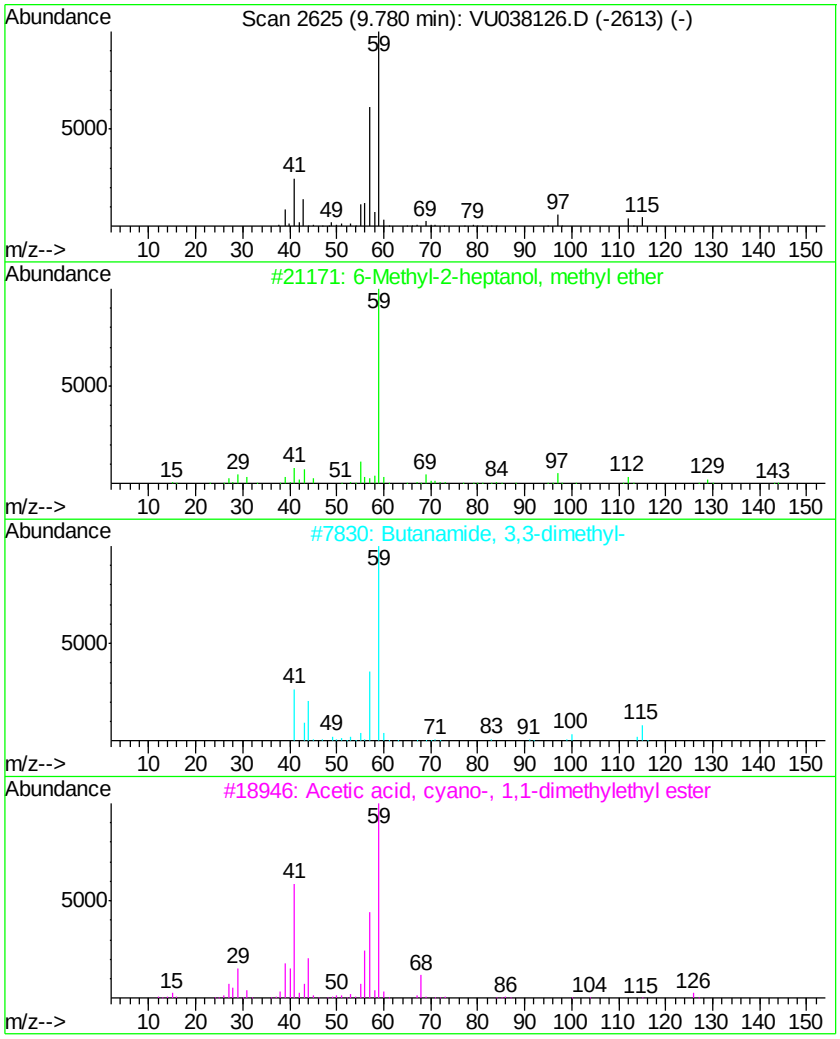
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

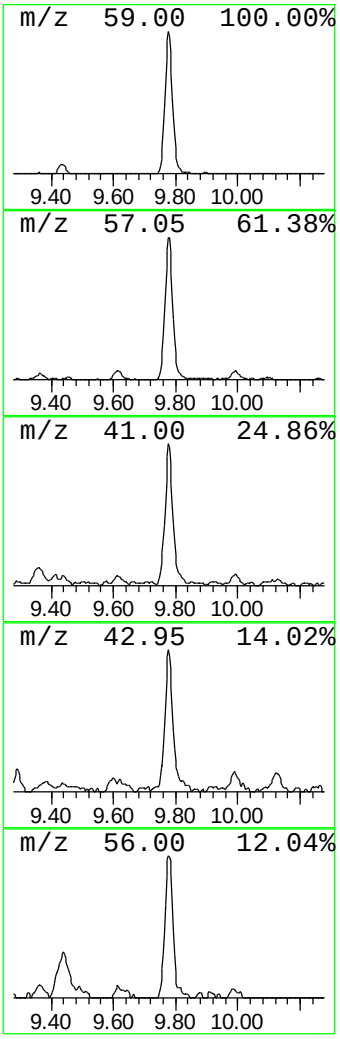
****

Peak Number 3 6-Methyl-2-heptanol, methyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	0.82 ug/L	189653	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	59
2	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	53
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	45
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	39
5	Butane, 2-methoxy-3-methyl-	102	C6H14O	062016-49-3	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

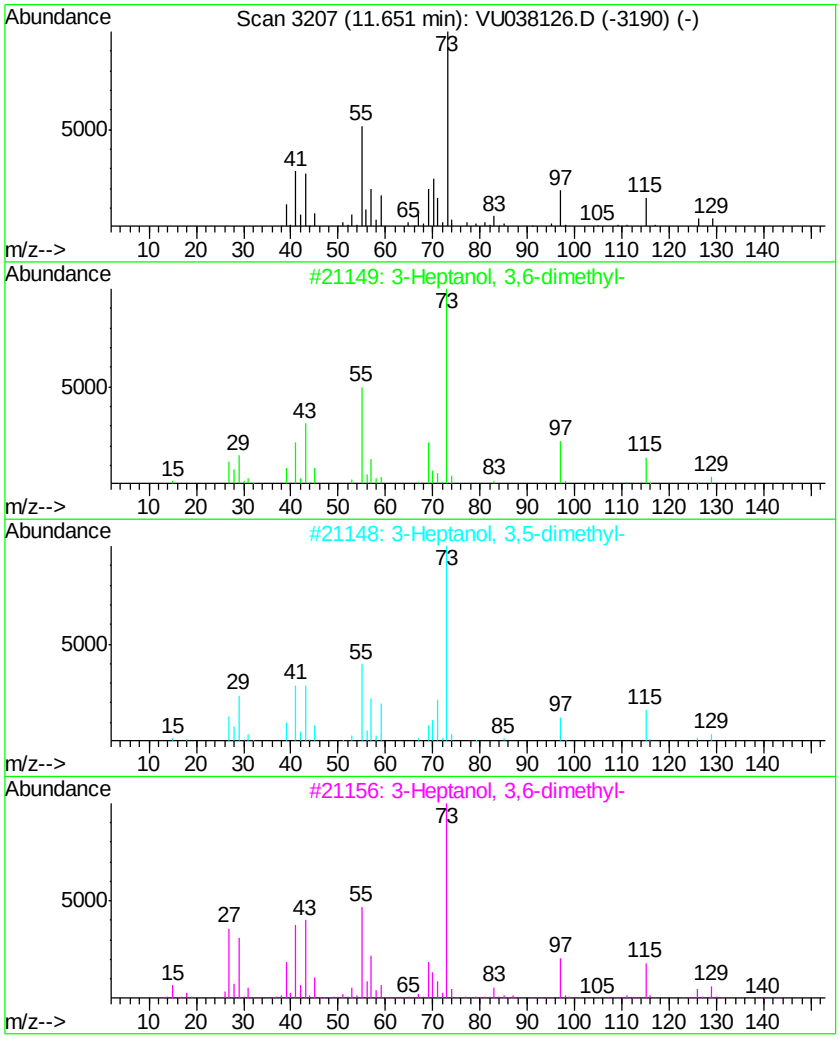
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

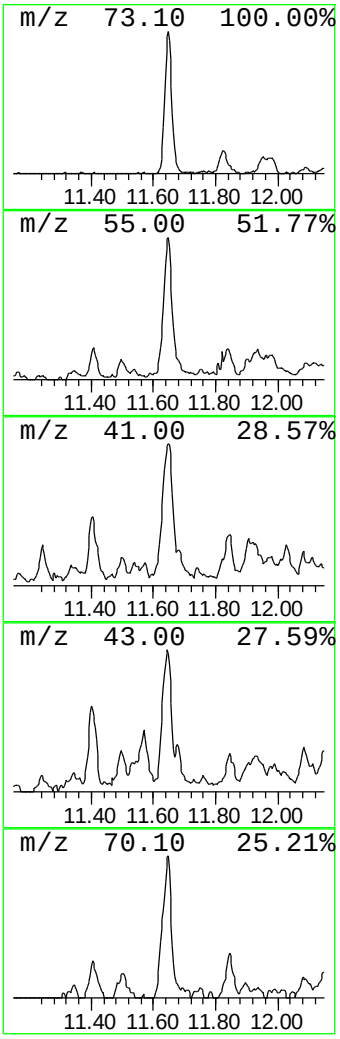
****

Peak Number 4 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	0.57 ug/L	131083	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 3,6-dimethyl-	144	C9H20O	001573-28-0	43
2	3-Heptanol, 3,5-dimethyl-	144	C9H20O	019549-74-7	42
3	3-Heptanol, 3,6-dimethyl-	144	C9H20O	001573-28-0	37
4	3,3-Dimethyloxirane-2-carboxylic...	130	C6H10O3	1000306-64-5	27
5	2,3-Epoxyhexanol	116	C6H12O2	090528-63-5	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

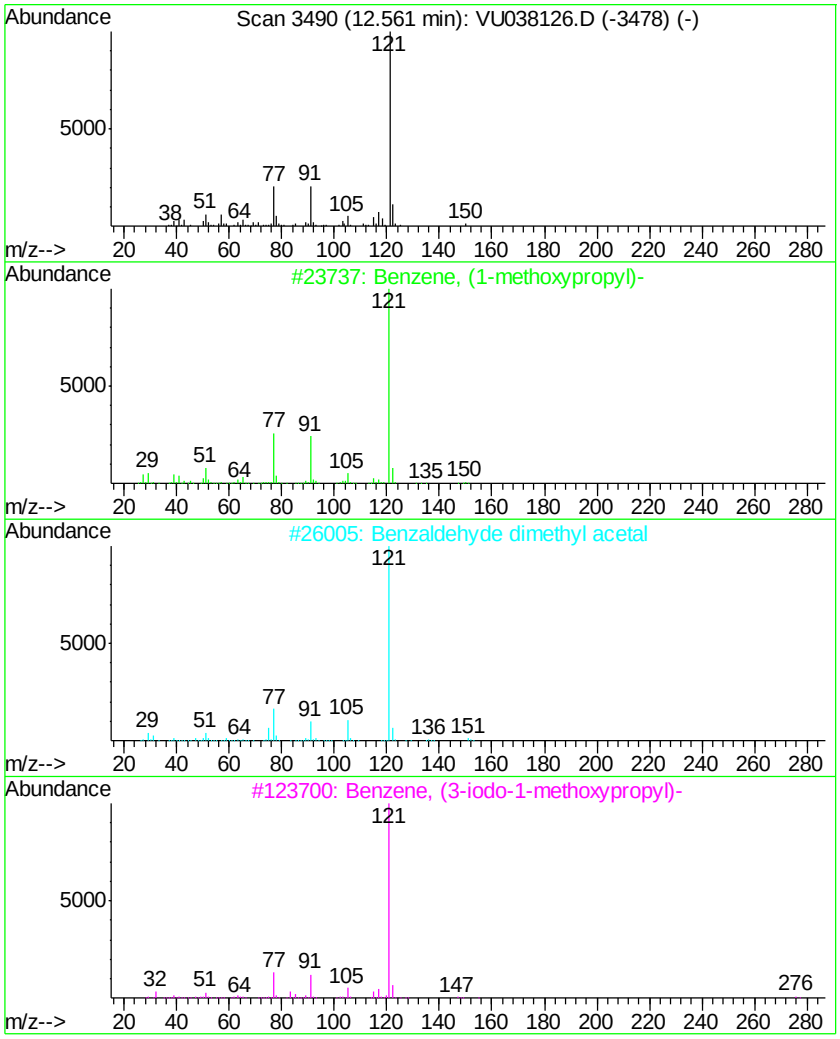
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

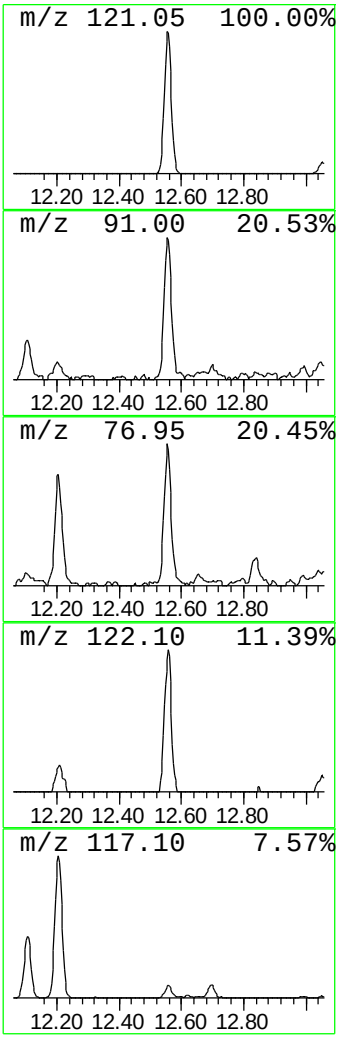
****

Peak Number 5 Benzene, (1-methoxypropyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	0.55 ug/L	127359	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methoxypropyl)-	150	C10H14O	059588-12-4	83
2	Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	64
3	Benzene, (3-iodo-1-methoxypropyl)-	276	C10H13IO	1000327-31-9	64
4	Benzene, (1,2-dimethoxyethyl)-	166	C10H14O2	004013-37-0	64
5	Benzene, (3-iodo-1-methoxybutyl)-	290	C11H15IO	1000327-38-8	64





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

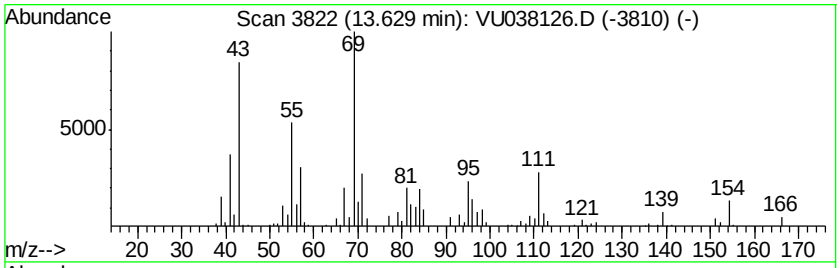
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

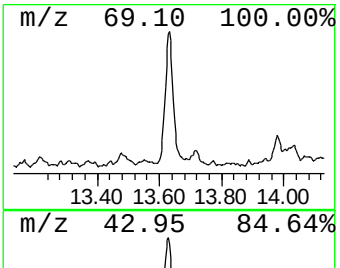
****

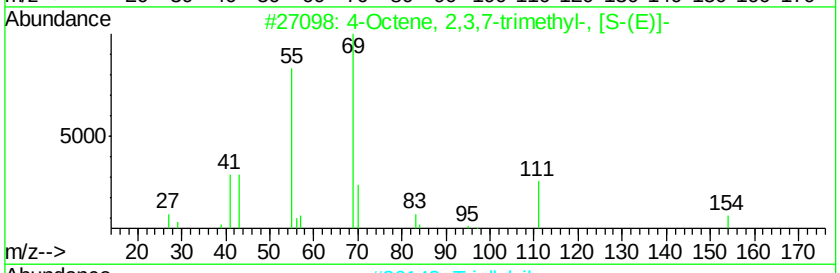
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

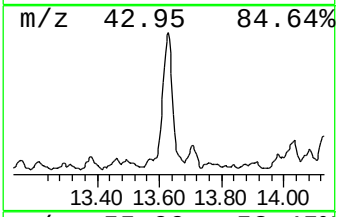
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	0.91 ug/L	208567	1,4-Dichlorobenzene-d4	11.83

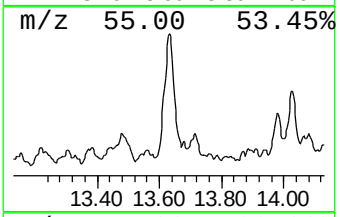
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	46
2	Triallylsilane	152	C9H16Si	001116-62-7	43
3	1,5-Heptadiene, 2,3,6-trimethyl-	138	C10H18	033501-88-1	43
4	Cyclooctanemethanol	142	C9H18O	003637-63-6	43
5	Cyclopropane, (1,2-dimethylpropyl)-	112	C8H16	006976-27-8	38

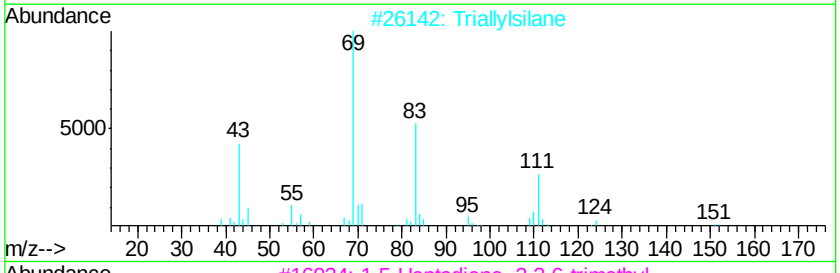


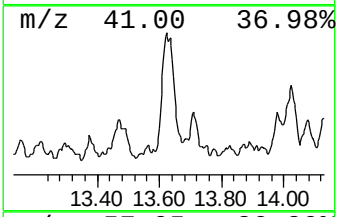


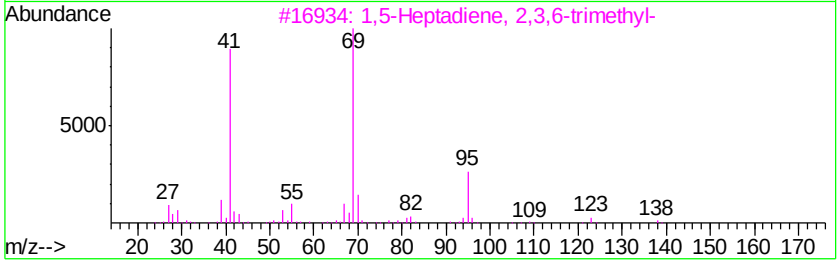


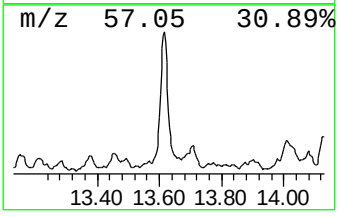












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

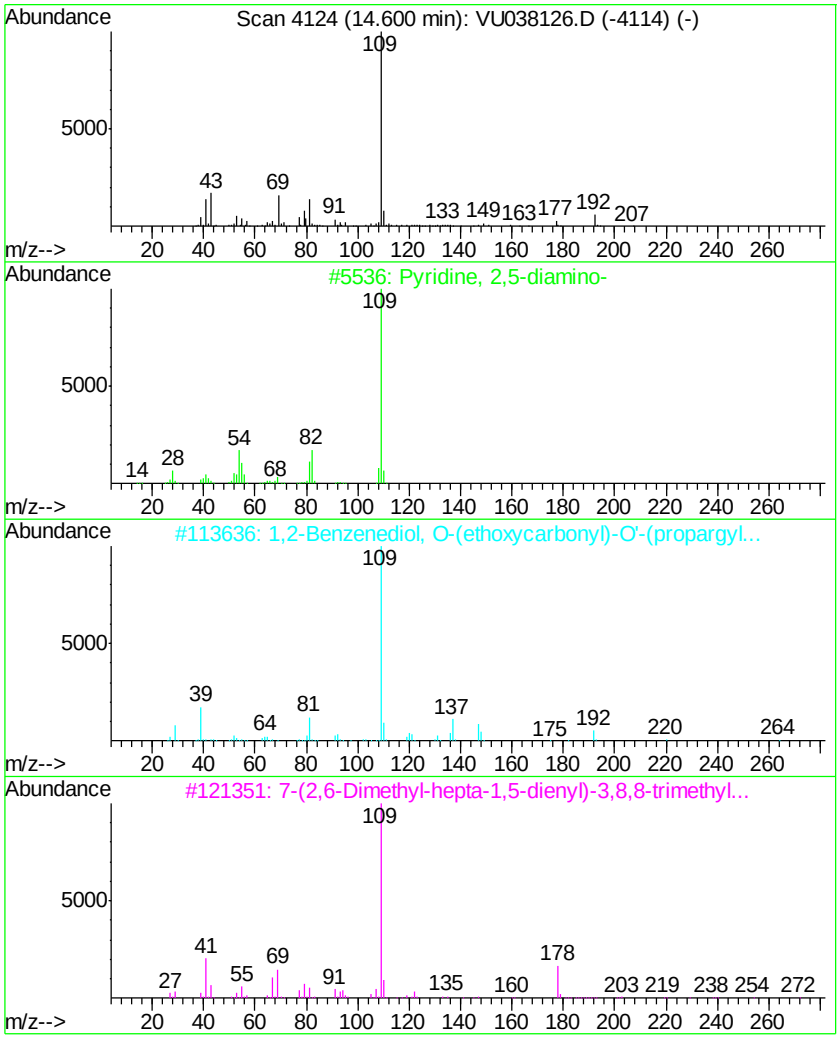
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

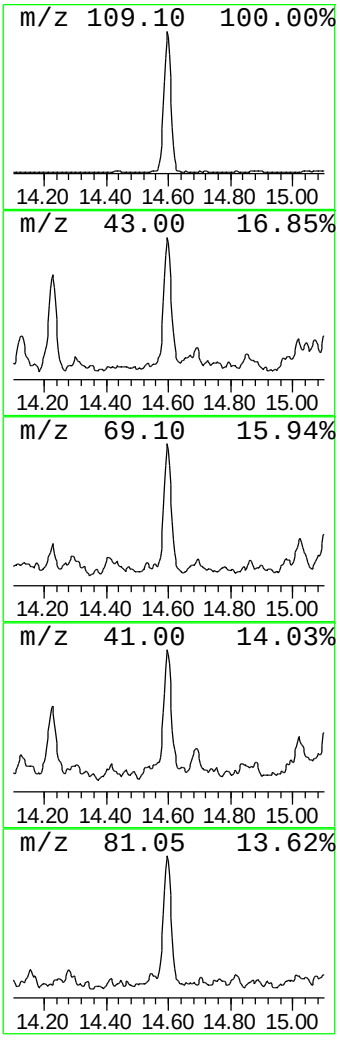
****

Peak Number 7 Pyridine, 2,5-diamino- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	0.95 ug/L	218257	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,5-diamino-	109	C5H7N3	004318-76-7	64
2	1,2-Benzenediol, O-(ethoxycarbon...	264	C13H12O6	1000329-71-6	50
3	7-(2,6-Dimethyl-hepta-1,5-dienyl...	272	C20H32	1000190-62-8	50
4	Butanamide, N-(4-hydroxyphenyl)-	179	C10H13NO2	000101-91-7	45
5	Phenol, 3-amino-	109	C6H7NO	000591-27-5	45





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

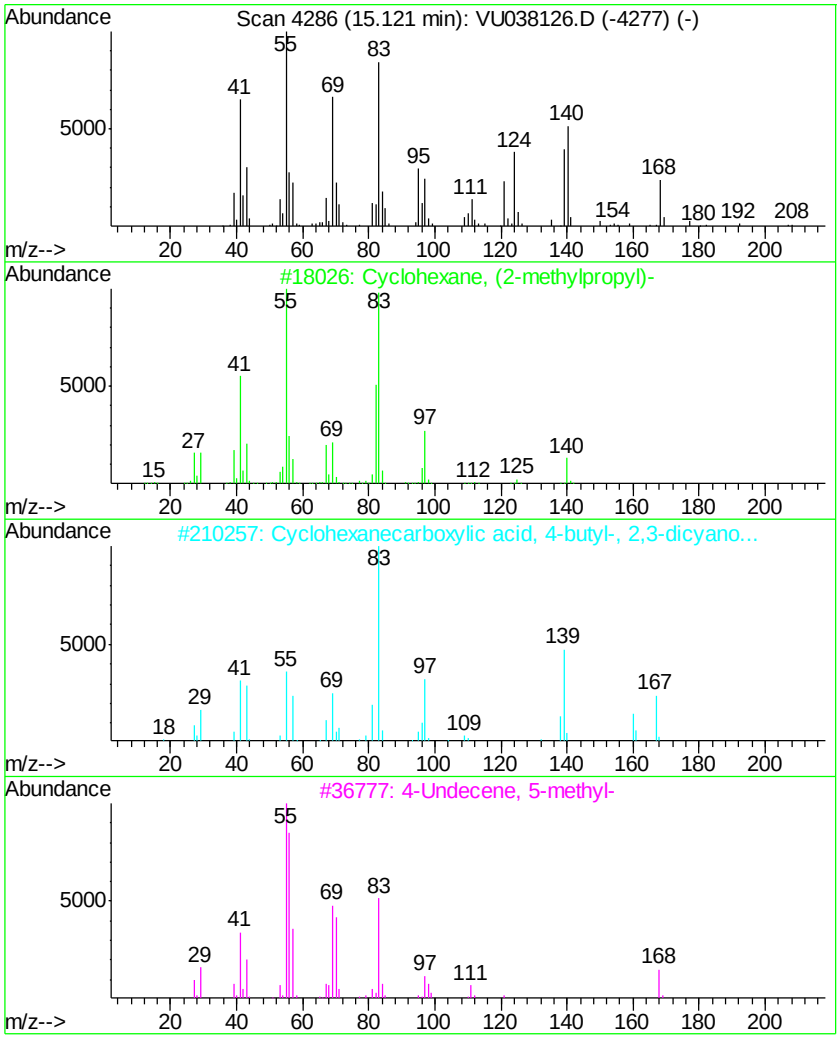
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

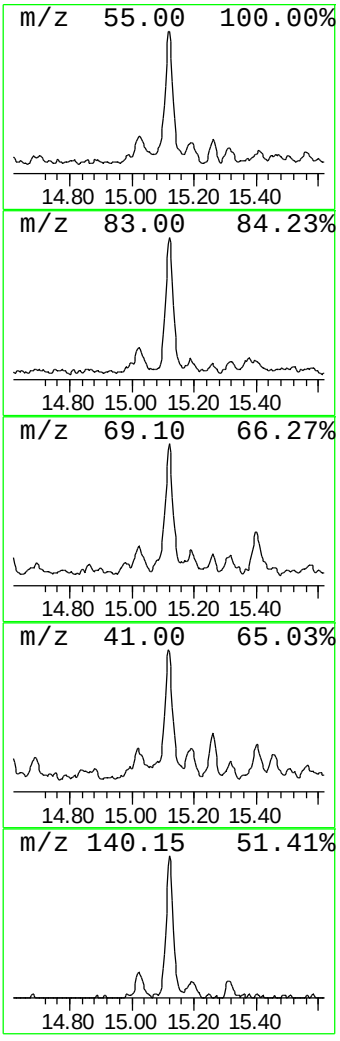
****

Peak Number 8 (DEL) Alkane: Cyclic15.12 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	0.88 ug/L	203185	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	50
2	Cyclohexanecarboxylic acid, 4-bu...	396	C24H32N2O3	075941-51-4	43
3	4-Undecene, 5-methyl-	168	C12H24	020634-43-9	35
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	35
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

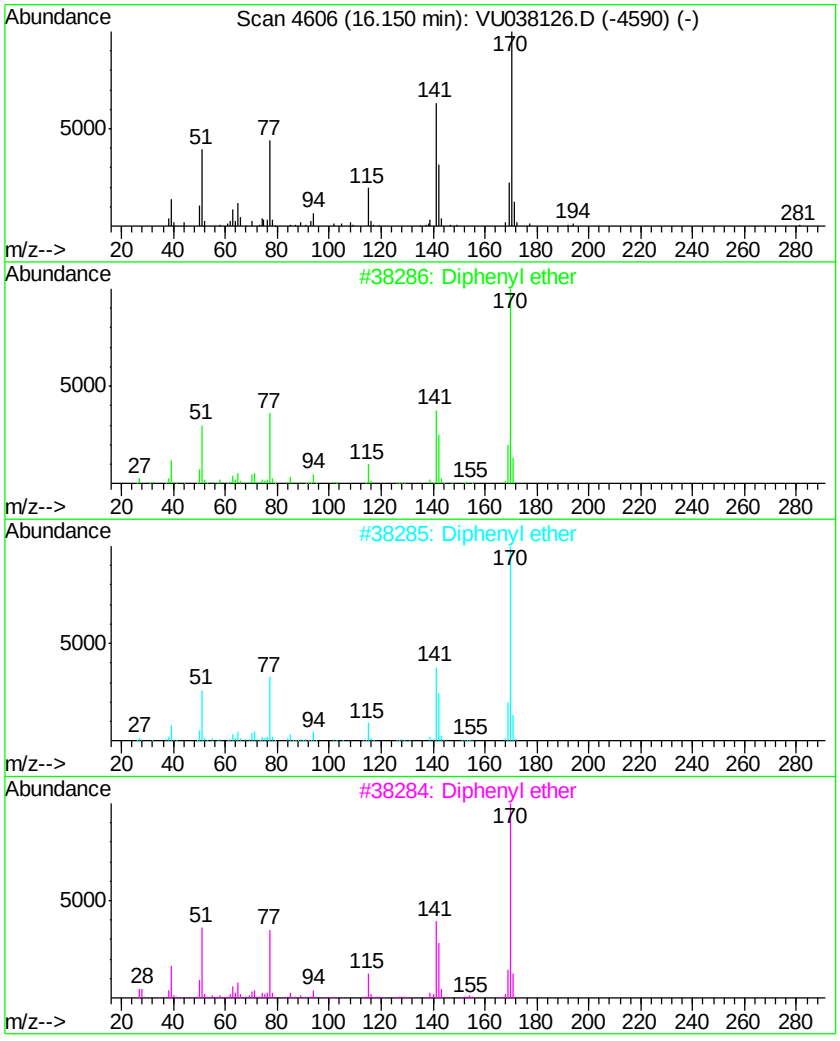
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

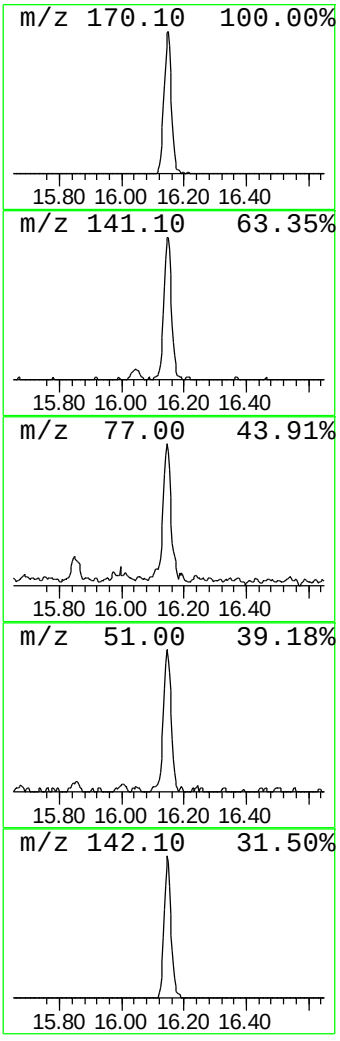
****

Peak Number 9 Diphenyl ether Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	0.53 ug/L	122886	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenyl ether	170	C12H10O	000101-84-8	94
2	Diphenyl ether	170	C12H10O	000101-84-8	94
3	Diphenyl ether	170	C12H10O	000101-84-8	90
4	Diphenyl ether	170	C12H10O	000101-84-8	90
5	Spiro[cyclopropane-1,1'(4'H)-nap...	170	C12H10O	033498-24-7	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051220\
Data File : VU038126.D
Acq On : 12 May 2020 15:59
Operator : JC/MD
Sample : L2570-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.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...	6.54	0.6	ug/L	105867	1	6.28	853045	5.0
6-Methyl-2-heptan...	9.78	0.8	ug/L	189653	2	9.44	1163030	5.0
unknown-01	11.65	0.6	ug/L	131083	3	11.83	1149130	5.0
Benzene, (1-metho...	12.56	0.6	ug/L	127359	3	11.83	1149130	5.0
(DEL) Alkane: Str...	13.63	0.9	ug/L	208567	3	11.83	1149130	5.0
Pyridine, 2,5-dia...	14.60	0.9	ug/L	218257	3	11.83	1149130	5.0
(DEL) Alkane: Cyc...	15.12	0.9	ug/L	203185	3	11.83	1149130	5.0
Diphenyl ether	16.15	0.5	ug/L	122886	3	11.83	1149130	5.0