LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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	1.613	75	85	95	rBV	194713	217806	9.92%	1.337%
2	1.932	175	184	197	rVB	173624	221981	10.11%	1.363%
3	2.401	323	330	353	rVB3	15636	39768	1.81%	0.244%
4	2.594	376	390	403	rBV	288517	470605	21.44%	2.889%
5	2.684	406	418	439	rVB	12389	39746	1.81%	0.244%
6	3.218	571	584	601	rBV	17944	40096	1.83%	0.246%
7	4.681	1021	1039	1085	rBV2	316499	1089791	49.65%	6.691%
8	5.102	1153	1170	1193	rBV2	263272	572563	26.09%	3.515%
9	5.758	1351	1374	1390	rBV2	548975	1466545	66.82%	9.004%
10	6.279	1521	1536	1566	rBV	458265	881521	40.16%	5.412%
11	6.536	1601	1616	1636	rBV2	43185	107163	4.88%	0.658%
12	6.719	1659	1673	1691	rVB	353756	680218	30.99%	4.176%
13	6.835	1697	1709	1722	rVB4	12857	27111	1.24%	0.166%
14	7.591	1929	1944	1966	rBV	180751	317560	14.47%	1.950%
15	7.922	2030	2047	2067	rBV	671519	1192009	54.31%	7.318%
16	8.202	2119	2134	2148	rBV	118192	203562	9.27%	1.250%
17	8.510	2214	2230	2244	rVB3	17290	32388	1.48%	0.199%
18	8.655	2261	2275	2319	rBV	1154532	2194896	100.00%	13.475%
19	9.436	2504	2518	2557	rVB	659066	1228550	55.97%	7.543%
20	9.710	2592	2603	2614	rBV2	40425	69986	3.19%	0.430%
21	9.777	2614	2624	2647	rVB	115799	200678	9.14%	1.232%
22	10.118	2718	2730	2746	rBV2	22325	39693	1.81%	0.244%
23	10.584	2858	2875	2887	rBV4	37046	66014	3.01%	0.405%
24	10.771	2921	2933	2947	rVB	289165	457735	20.85%	2.810%
25	10.893	2959	2971	2983	rBV4	63471	110087	5.02%	0.676%
26	11.404	3122	3130	3142	rVB4	21915	34360	1.57%	0.211%
27	11.488	3142	3156	3166	rBV7	10885	25928	1.18%	0.159%
28	11.648	3191	3206	3230	rBV3	58356	127869	5.83%	0.785%
29	11.825	3247	3261	3278	rBV	716583	1170367	53.32%	7.185%
30	11.906	3278	3286	3295	rVV5	18968	36711	1.67%	0.225%
31	11.957	3299	3302	3315	rVB4	15442	23110	1.05%	0.142%
32	12.105	3333	3348	3358	rBV	50139	95323	4.34%	0.585%
33	12.205	3367	3379	3399	rVB2	710714	1334998	60.82%	8.196%
34	12.555	3477	3488	3505	rBV	85983	142720	6.50%	0.876%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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	12.838	3567	3576	3588	rVB3	17410	28428	1.30%	0.175%
36	13.047	3631	3641	3661	rVB10	12902	37966	1.73%	0.233%
37	13.314	3713	3724	3734	rVB5	13374	22559	1.03%	0.138%
38	13.478	3758	3775	3790	rBV3	40253	79989	3.64%	0.491%
39	13.632	3810	3823	3839	rBV4	66864	129123	5.88%	0.793%
40	13.880	3888	3900	3908	rBV3	48354	85001	3.87%	0.522%
41	13.979	3922	3931	3937	rBV10	17166	31481	1.43%	0.193%
42	14.028	3941	3946	3955	rVB5	20998	32472	1.48%	0.199%
43	14.224	3997	4007	4022	rVB4	19252	33156	1.51%	0.204%
44	14.597	4106	4123	4140	rVB2	134111	224093	10.21%	1.376%
45	14.848	4187	4201	4208	rBV2	17441	41508	1.89%	0.255%
46	15.047	4248	4263	4269	rBV9	30763	79198	3.61%	0.486%
47	15.121	4273	4286	4296	rVV3	118245	254568	11.60%	1.563%
48	15.176	4297	4303	4318	rVV10	33201	70505	3.21%	0.433%
49	15.851	4502	4513	4525	rBV2	27245	51785	2.36%	0.318%
50	16.147	4588	4605	4625	rVB2	62400	127003	5.79%	0.780%

Sum of corrected areas: 16288293

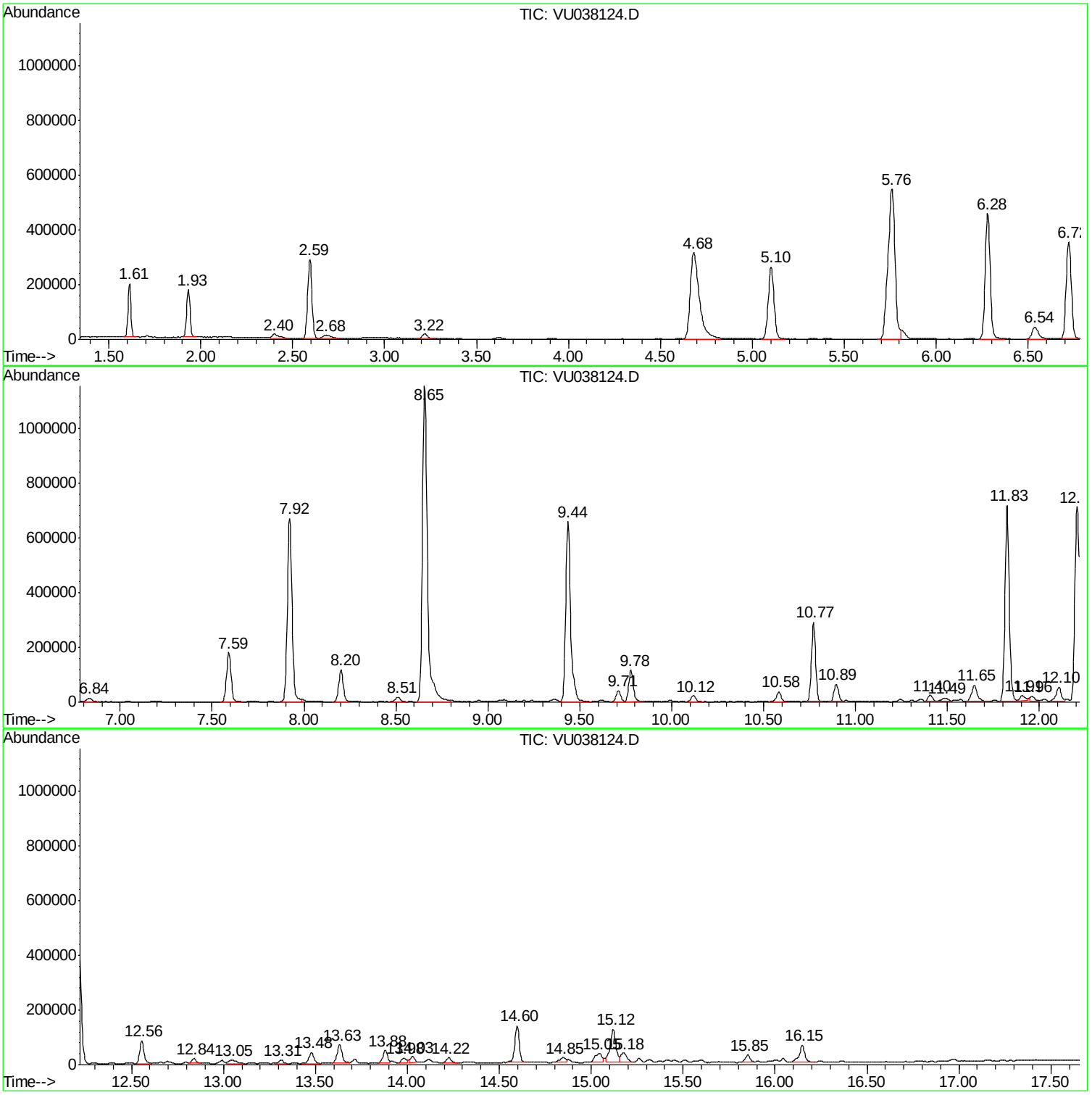
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFSP1

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 : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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

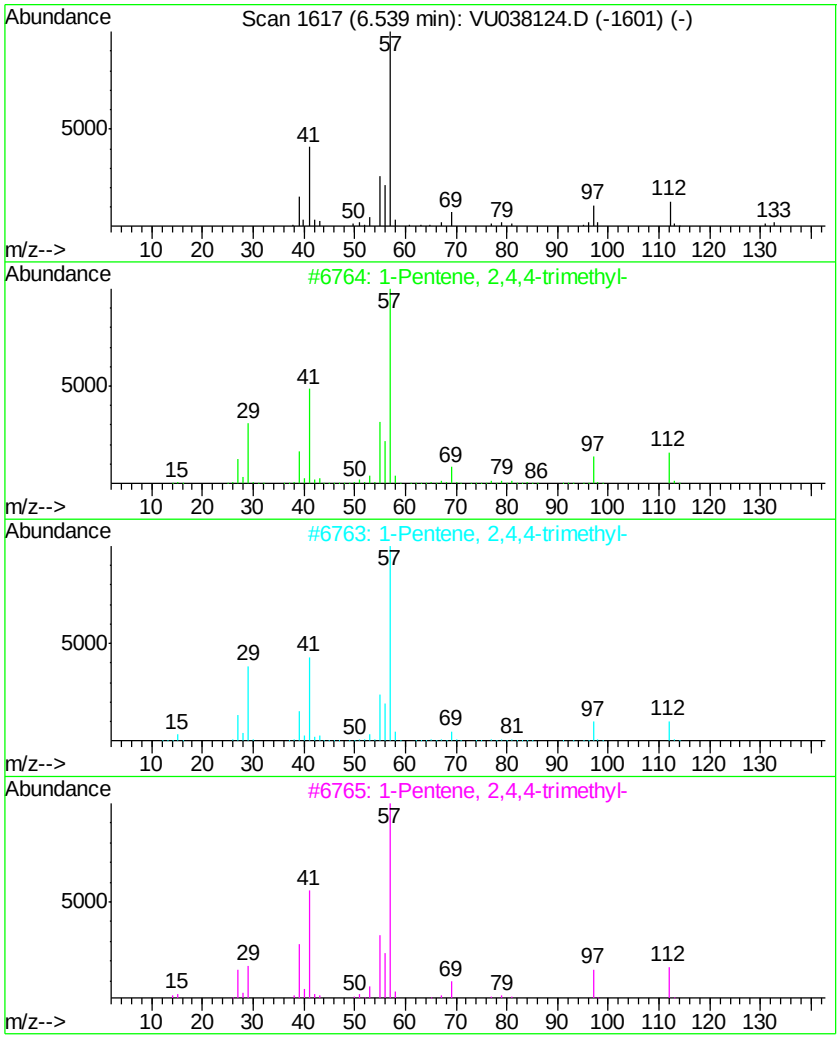
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

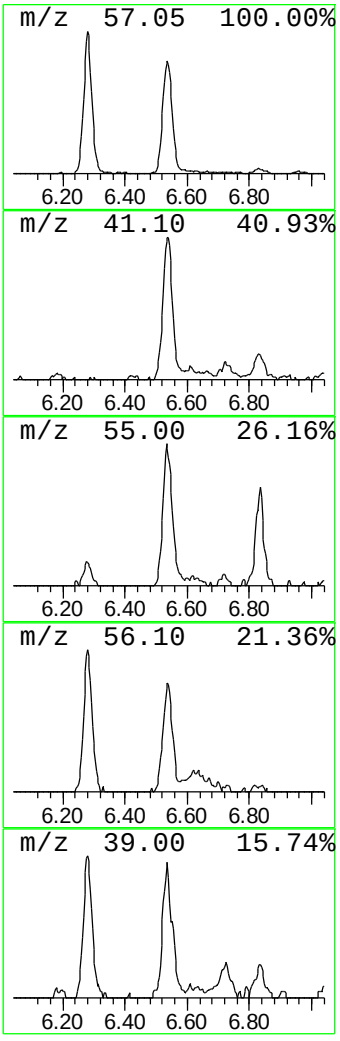
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	0.61 ug/L	107163	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	90
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	87
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	81
4	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	64
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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

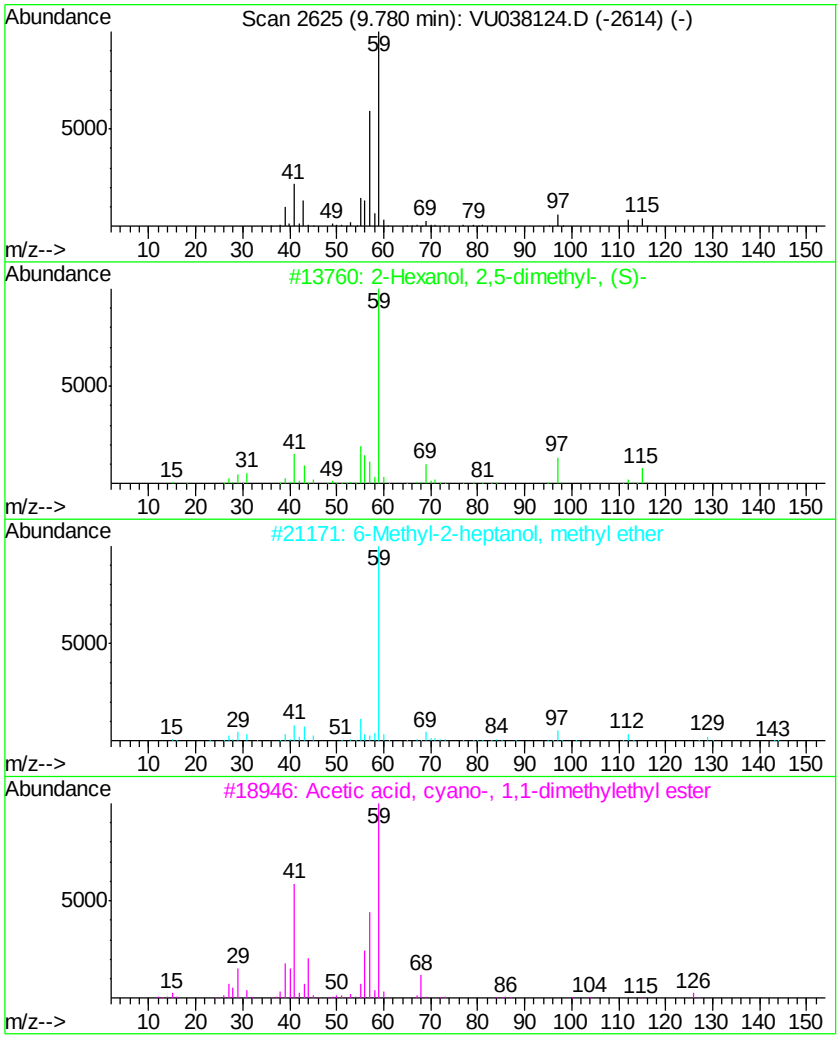
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

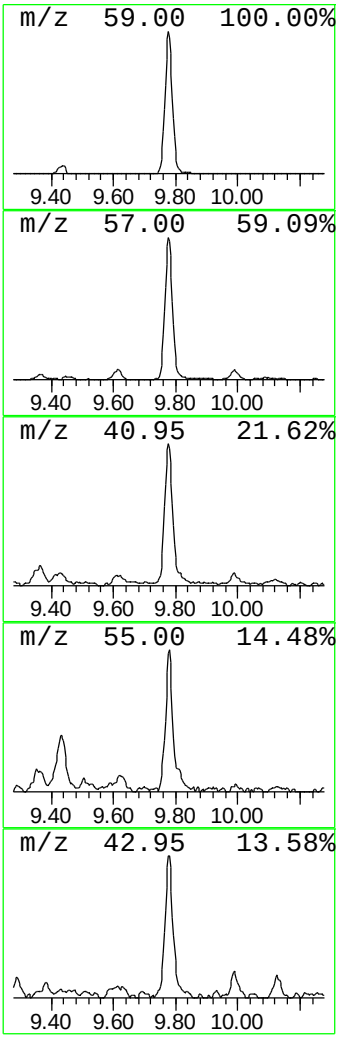
****

Peak Number 3 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	0.82 ug/L	200678	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	72
2	6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	50
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	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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

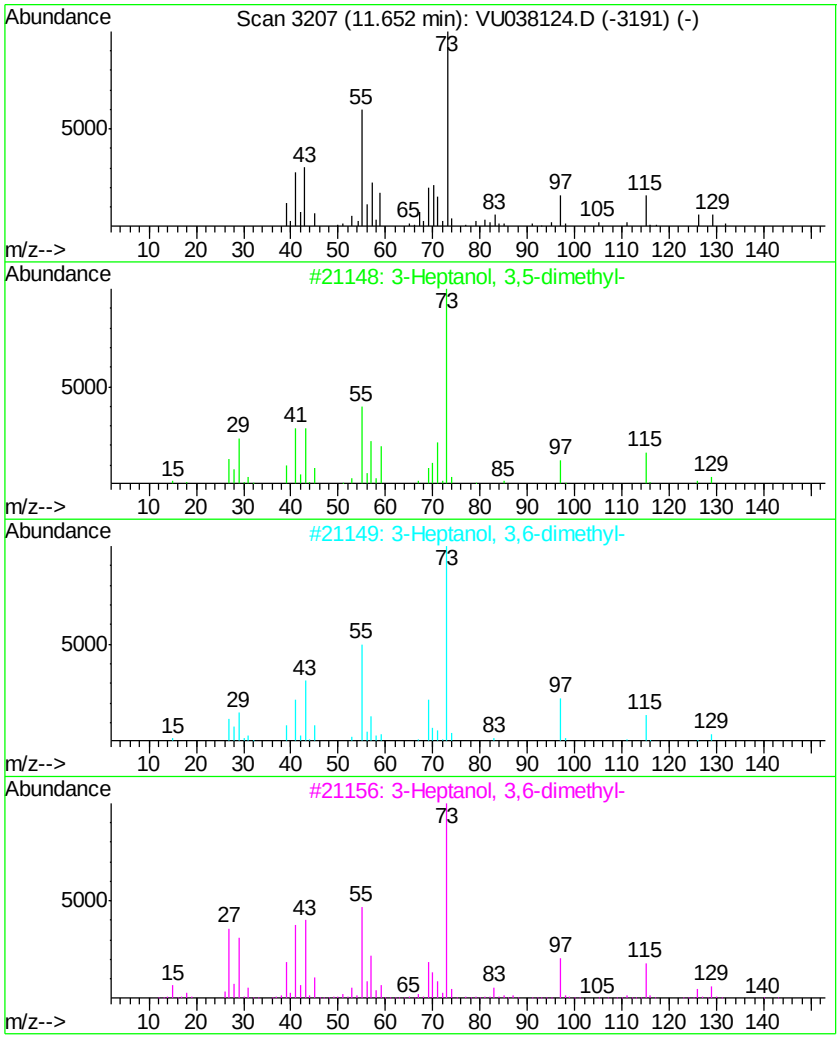
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

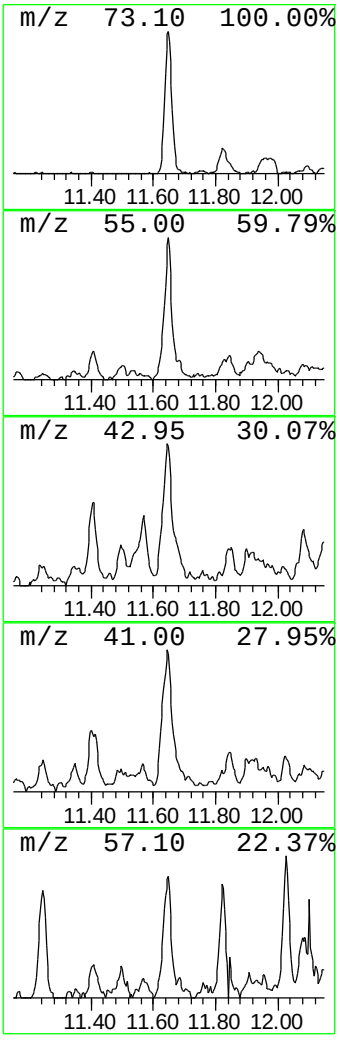
****

Peak Number 4 3-Heptanol, 3,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	0.55 ug/L	127869	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 3,5-dimethyl-	144	C9H20O	019549-74-7	50
2	3-Heptanol, 3,6-dimethyl-	144	C9H20O	001573-28-0	38
3	3-Heptanol, 3,6-dimethyl-	144	C9H20O	001573-28-0	38
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	32
5	3-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	007278-65-1	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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

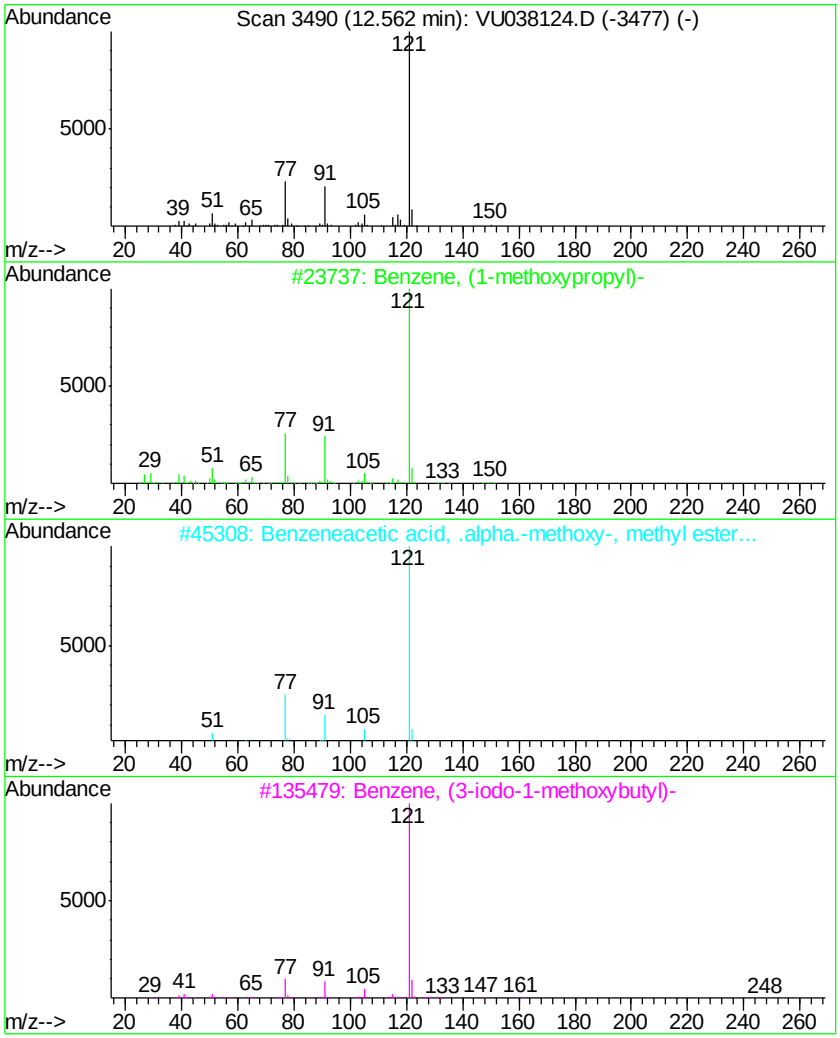
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

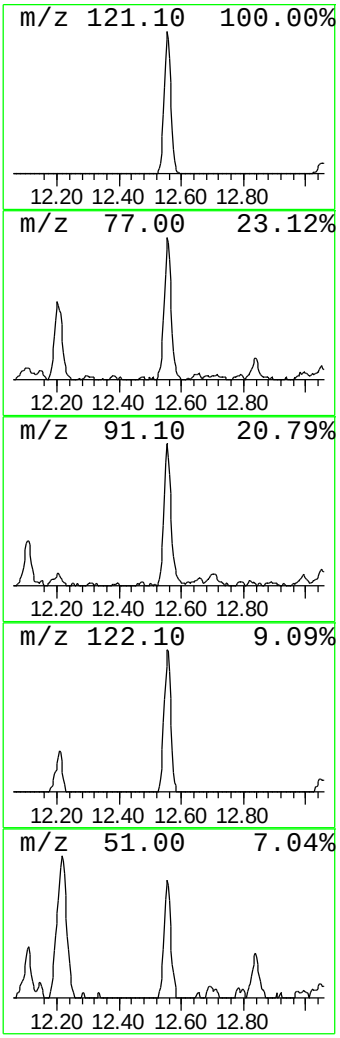
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	0.61 ug/L	142720	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methoxypropyl)-	150	C10H14O	059588-12-4	87
2	Benzeneacetic acid, .alpha.-meth...	180	C10H12O3	056143-21-6	72
3	Benzene, (3-iodo-1-methoxybutyl)-	290	C11H15IO	1000327-38-8	72
4	Benzenamine, 3,5-dimethyl-	121	C8H11N	000108-69-0	72
5	Benzene, (1,2-dimethoxyethyl)-	166	C10H14O2	004013-37-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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

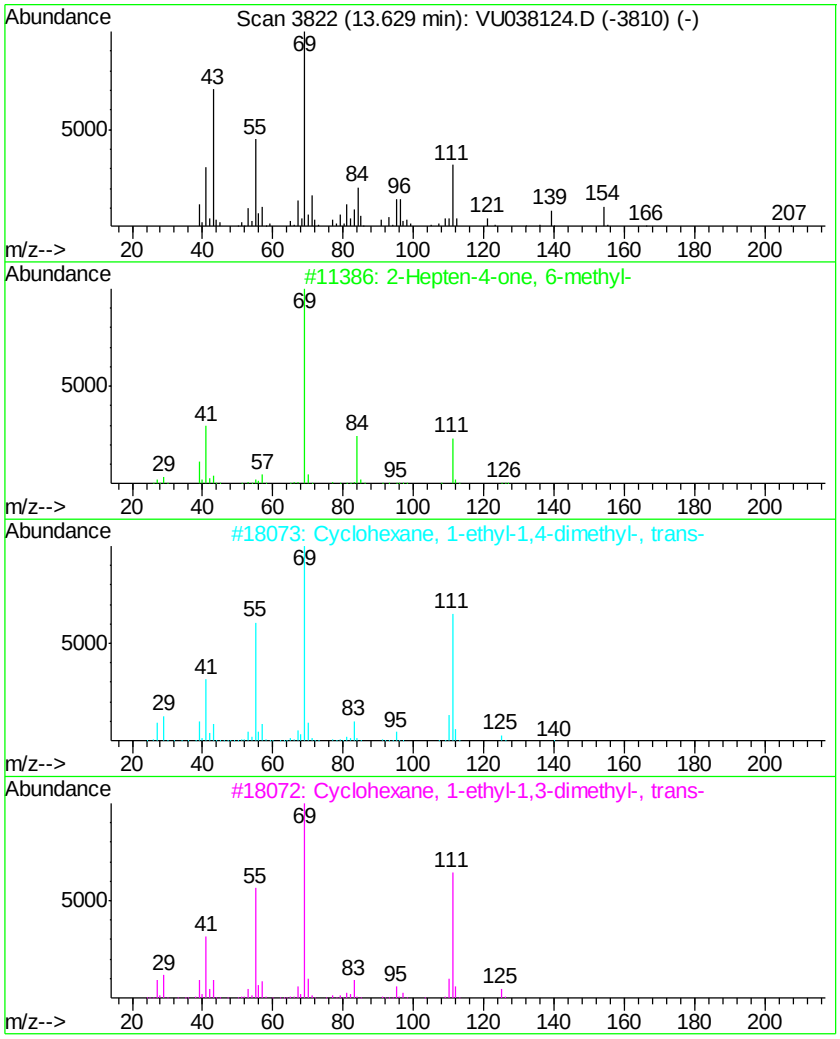
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

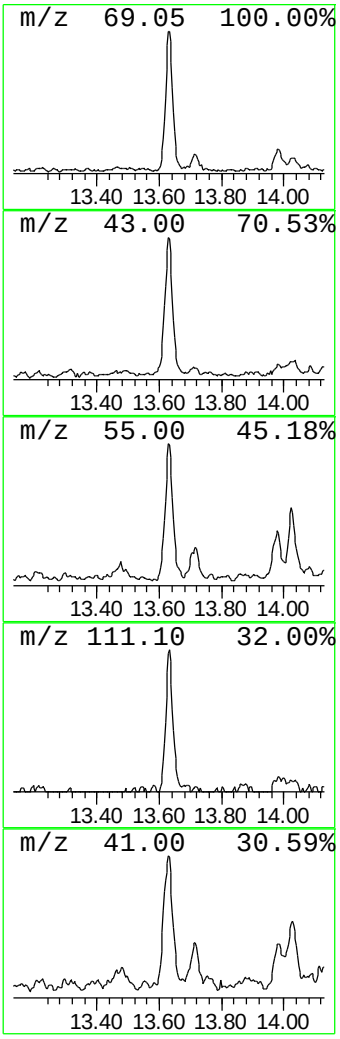
****

Peak Number 6 2-Hepten-4-one, 6-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	0.55 ug/L	129123	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hepten-4-one, 6-methyl-	126	C8H14O	049852-35-9	53
2	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	50
3	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	50
4	6-Octen-1-ol, 7-methyl-3-methylene-	154	C10H18O	013066-51-8	50
5	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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

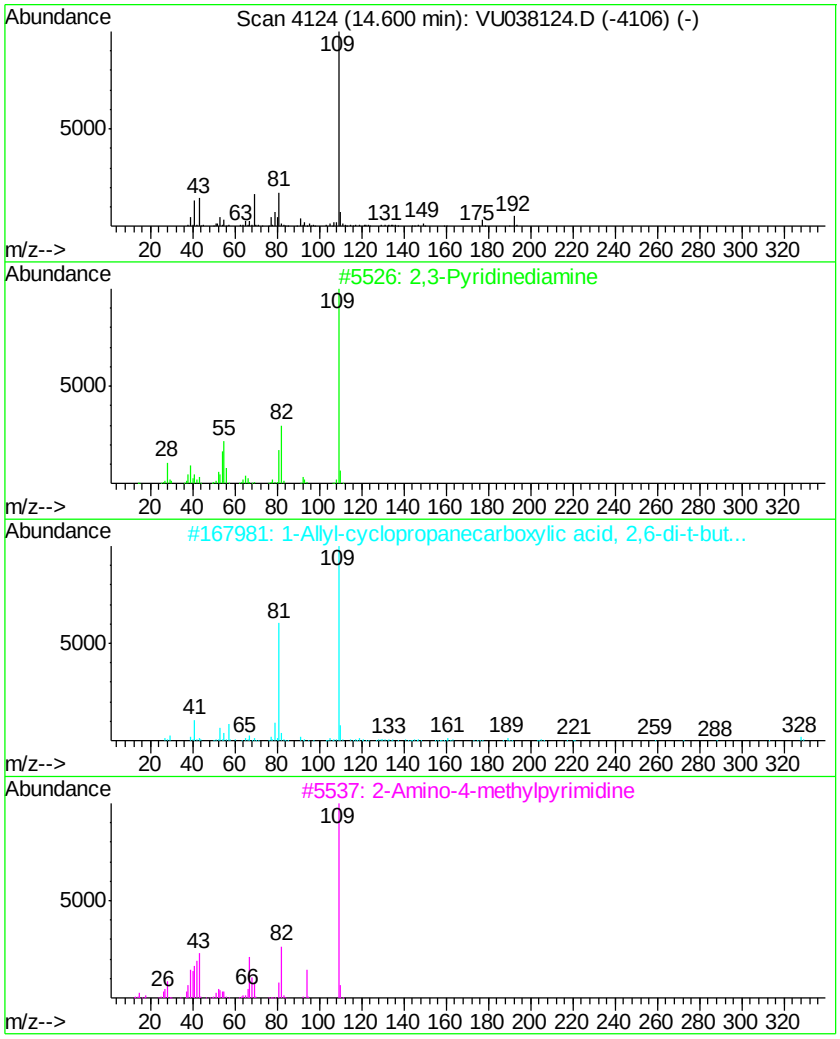
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

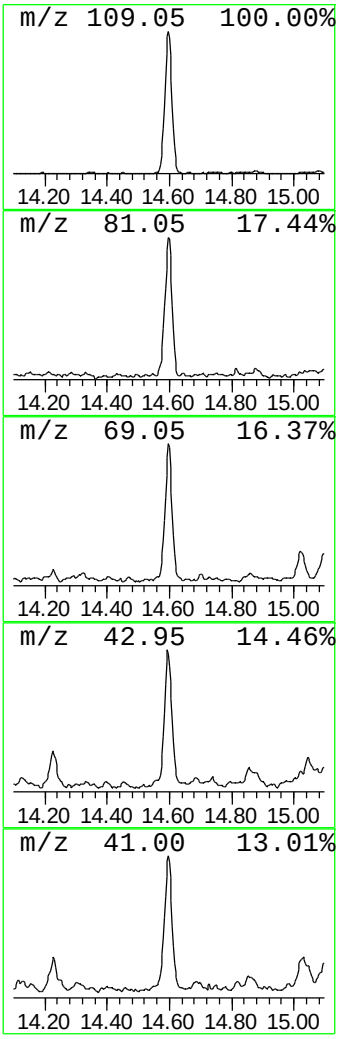
****

Peak Number 7 2,3-Pyridinediamine Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	0.96 ug/L	224093	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Pyridinediamine	109	C5H7N3	000452-58-4	59
2	1-Allyl-cyclopropanecarboxylic a...	328	C22H32O2	108546-69-6	50
3	2-Amino-4-methylpyrimidine	109	C5H7N3	000108-52-1	50
4	8-(2,6-Dimethyl-hepta-1,5-dienyl...	272	C20H32	113725-56-7	45
5	Cyclopentane, (2-methylbutylidene)-	138	C10H18	053366-54-4	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

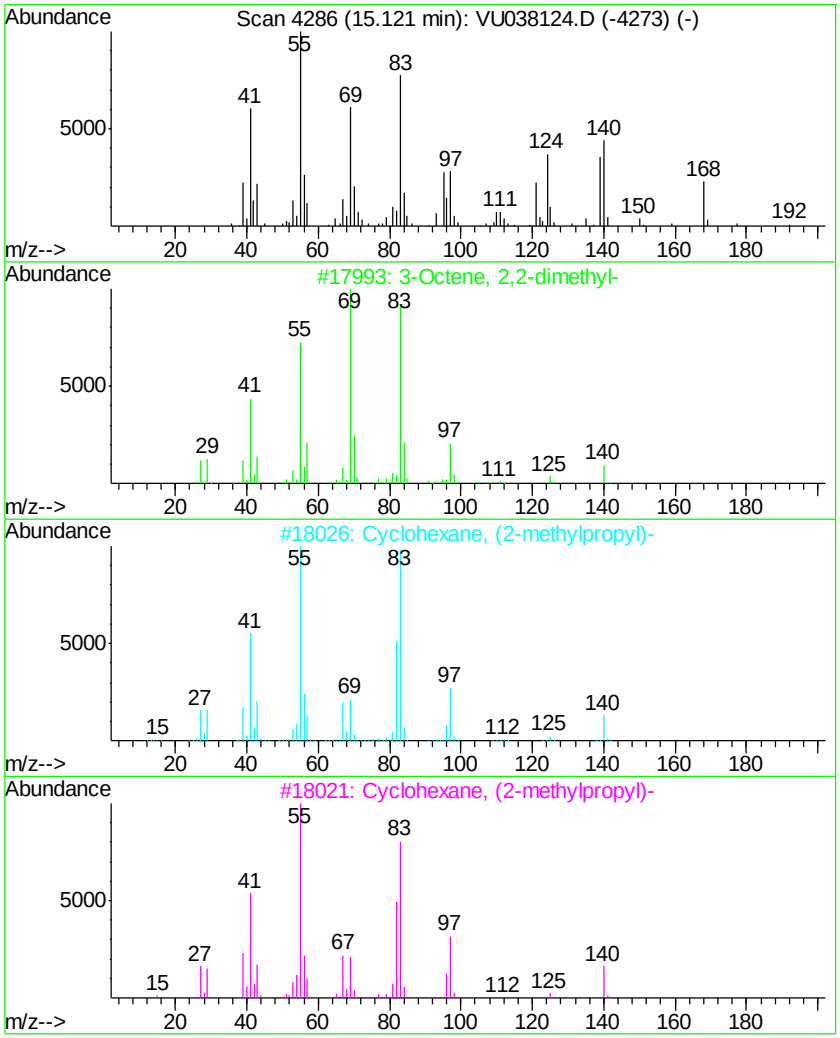
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

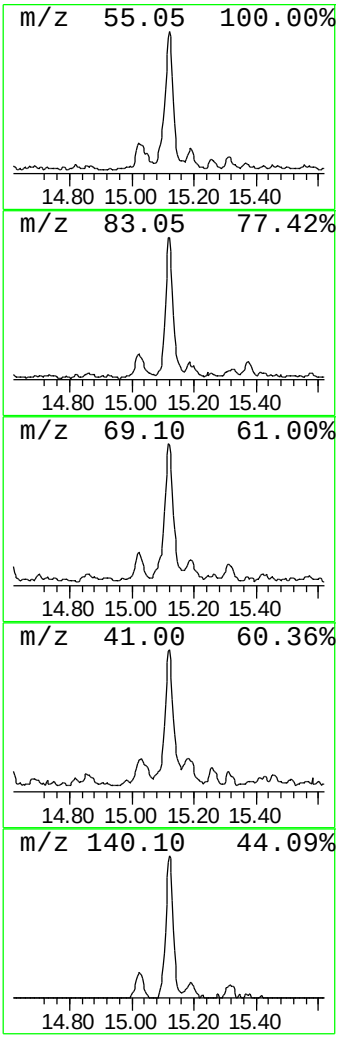
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	1.09 ug/L	254568	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	64
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	49
4	Cyclopropane, 1,1,2-trimethyl-3-...	140	C10H20	041977-43-9	49
5	4-Undecene, 3-methyl-, (E)-	168	C12H24	074630-59-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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

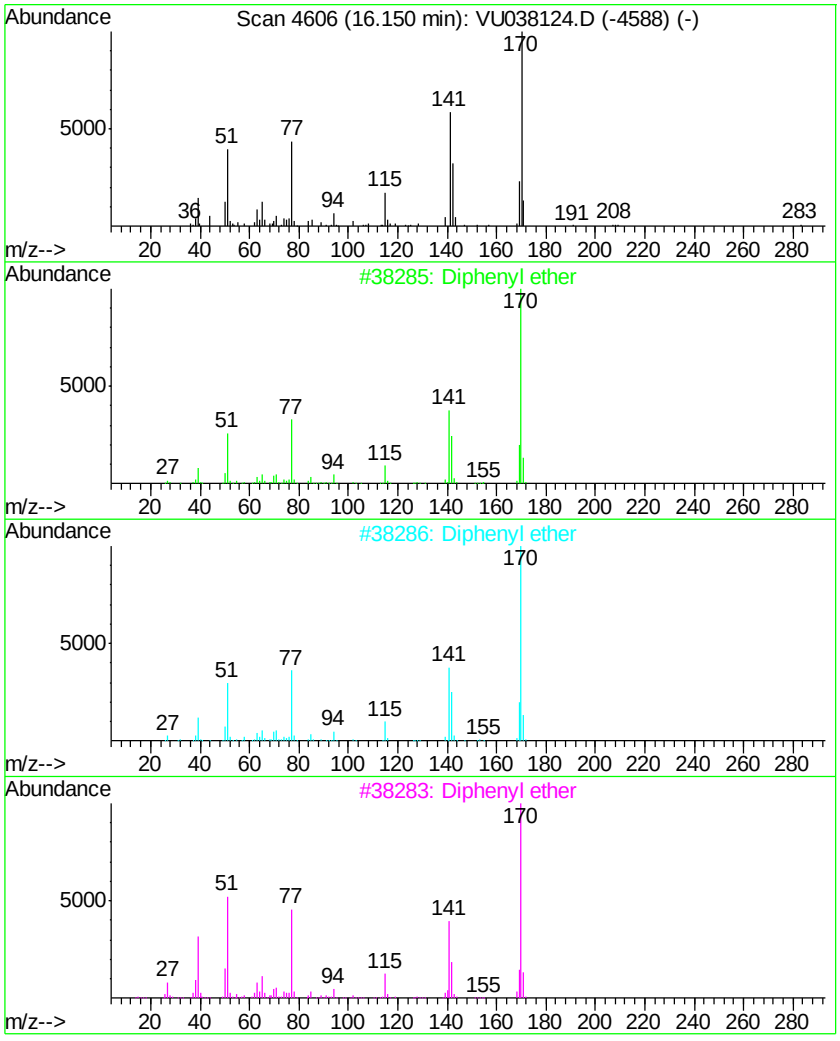
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

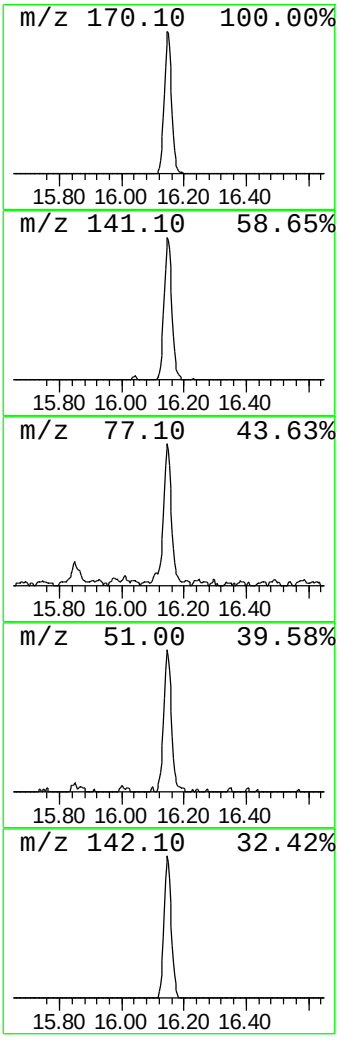
****

Peak Number 9 Diphenyl ether Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	0.54 ug/L	127003	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	91
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	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051220\
Data File : VU038124.D
Acq On : 12 May 2020 15:13
Operator : JC/MD
Sample : L2570-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSP1

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	107163	1	6.28	881521	5.0
2-Hexanol, 2,5-di...	9.78	0.8	ug/L	200678	2	9.44	1228550	5.0
3-Heptanol, 3,5-d...	11.65	0.6	ug/L	127869	3	11.83	1170370	5.0
Benzene, (1-metho...	12.56	0.6	ug/L	142720	3	11.83	1170370	5.0
2-Hepten-4-one, 6...	13.63	0.6	ug/L	129123	3	11.83	1170370	5.0
2,3-Pyridinediamine	14.60	1.0	ug/L	224093	3	11.83	1170370	5.0
(DEL) Alkane: Str...	15.12	1.1	ug/L	254568	3	11.83	1170370	5.0
Diphenyl ether	16.15	0.5	ug/L	127003	3	11.83	1170370	5.0