LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82N112718W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.555	843	865	886	rBV	2022365	6506814	2.02%	0.417%
2	7.661	1818	1831	1851	rVB3	3122217	8310783	2.58%	0.532%
3	8.043	1928	1950	1967	rBV2	50351803	128956906	40.07%	8.261%
4	8.584	2102	2118	2143	rBV	2785849	6380960	1.98%	0.409%
5	9.268	2318	2331	2348	rBV	2567214	4712965	1.46%	0.302%
6	9.985	2541	2554	2565	rBV2	1635753	3451609	1.07%	0.221%
7	10.095	2575	2588	2595	rBV	3873924	7770984	2.41%	0.498%
8	10.162	2595	2609	2629	rVV6	130307263	321866738	100.00%	20.619%
9	10.262	2630	2640	2647	rVV	3653004	7083003	2.20%	0.454%
10	10.304	2647	2653	2665	rVV	3115717	5490034	1.71%	0.352%
11	10.381	2666	2677	2682	rVV	3677409	6626858	2.06%	0.425%
12	10.413	2683	2687	2701	rVB	3087833	4842922	1.50%	0.310%
13	10.757	2769	2794	2813	rBV3	4804039	10862752	3.37%	0.696%
14	11.268	2937	2953	2962	rBV4	1928014	4549467	1.41%	0.291%
15	11.407	2990	2996	3016	rVV	3759605	7949415	2.47%	0.509%
16	11.513	3016	3029	3049	rVV3	42447649	79665540	24.75%	5.103%
17	11.625	3049	3064	3088	rVB6	129329710	297022742	92.28%	19.027%
18	11.773	3097	3110	3128	rVB4	1858946	5391227	1.67%	0.345%
19	11.950	3153	3165	3179	rVV5	99801801	188952189	58.71%	12.104%
20	12.027	3180	3189	3204	rVB	6394829	10430603	3.24%	0.668%
21	12.368	3286	3295	3300	rBV5	3415941	6007895	1.87%	0.385%
22	12.516	3324	3341	3346	rBV4	5523961	14531184	4.51%	0.931%
23	12.599	3360	3367	3375	rBV3	2875920	6647259	2.07%	0.426%
24	12.657	3376	3385	3392	rBV2	25646034	42524473	13.21%	2.724%
25	12.734	3402	3409	3417	rVB	16425907	24200785	7.52%	1.550%
26	12.783	3418	3424	3433	rVB6	3956631	6117868	1.90%	0.392%
27	12.892	3451	3458	3470	rVB	14186077	23823739	7.40%	1.526%
28	13.043	3490	3505	3515	rBV3	59693667	101200916	31.44%	6.483%
29	13.091	3515	3520	3537	rVB3	5058674	8681648	2.70%	0.556%
30	13.223	3555	3561	3570	rVB4	4637056	7227447	2.25%	0.463%
31	13.287	3571	3581	3590	rBV9	3618752	8850755	2.75%	0.567%
32	13.378	3601	3609	3636	rVB	24476586	44738322	13.90%	2.866%
33	13.545	3654	3661	3668	rVV2	12796024	18763342	5.83%	1.202%
34	13.583	3669	3673	3682	rVB3	6094169	7898599	2.45%	0.506%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82N112718W.M
Title : SW846 8260

35	13.705	3700	3711	3726	rBV3	4898761	9821440	3.05%	0.629%
36	13.808	3738	3743	3759	rVB4	3597508	8643211	2.69%	0.554%
37	13.892	3761	3769	3780	rBV4	4395436	8899947	2.77%	0.570%
38	13.998	3795	3802	3806	rBV2	2327331	3494922	1.09%	0.224%
39	14.214	3862	3869	3874	rBV	2839658	4444344	1.38%	0.285%
40	14.252	3876	3881	3888	rVB	3072459	4409588	1.37%	0.282%
41	14.477	3943	3951	3960	rVB	3057472	4965645	1.54%	0.318%
42	14.593	3977	3987	3996	rBV2	4780517	8808682	2.74%	0.564%
43	14.747	4027	4035	4055	rVB8	1421761	3236792	1.01%	0.207%
44	15.136	4143	4156	4175	rVB2	27794571	50094287	15.56%	3.209%
45	15.230	4176	4185	4200	rVB	2992698	5266766	1.64%	0.337%
46	16.162	4464	4475	4498	rVB	3428411	7411292	2.30%	0.475%
47	16.355	4522	4535	4551	rVB2	1585811	3501809	1.09%	0.224%

Sum of corrected areas: 1561037468

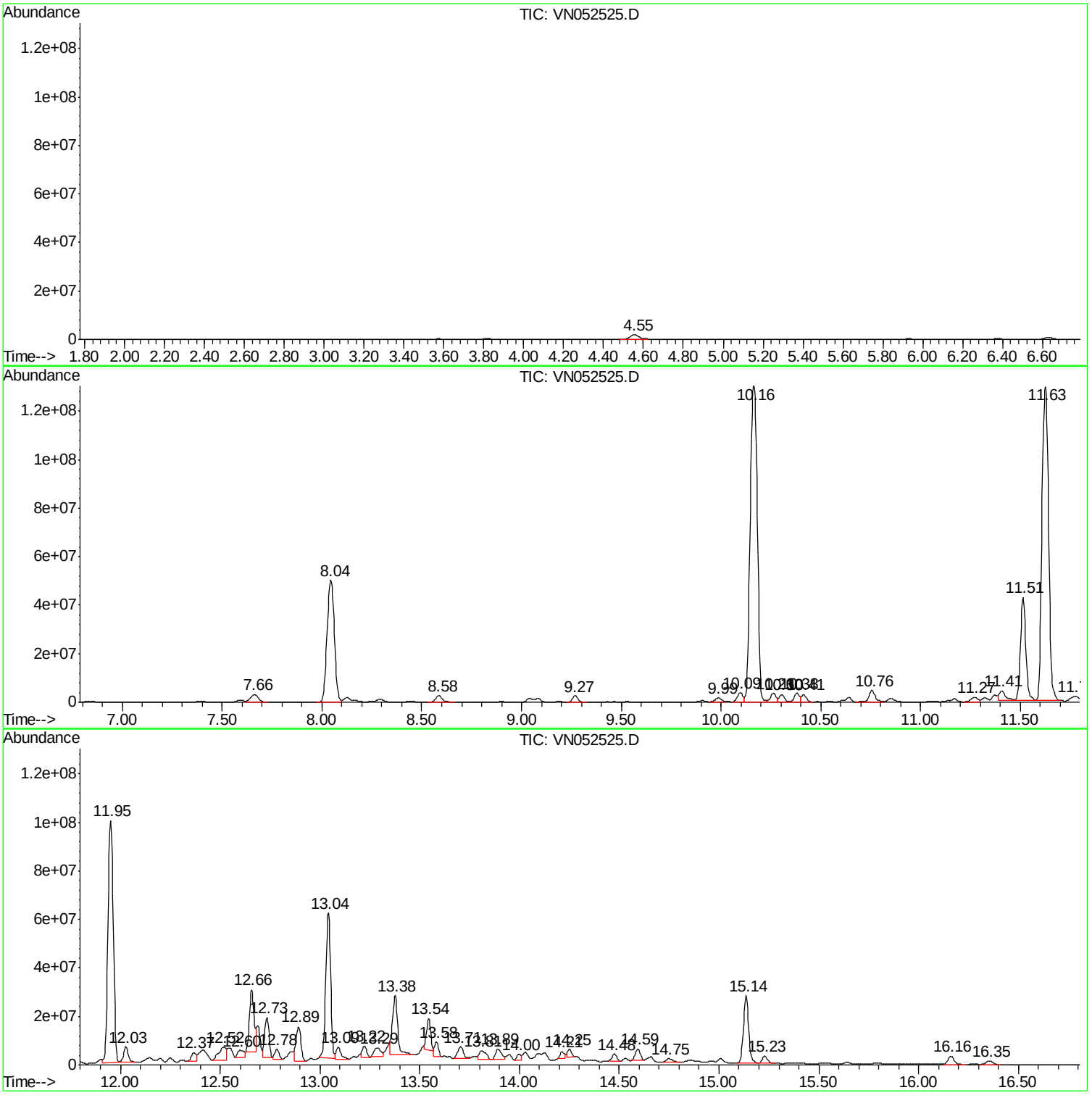
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

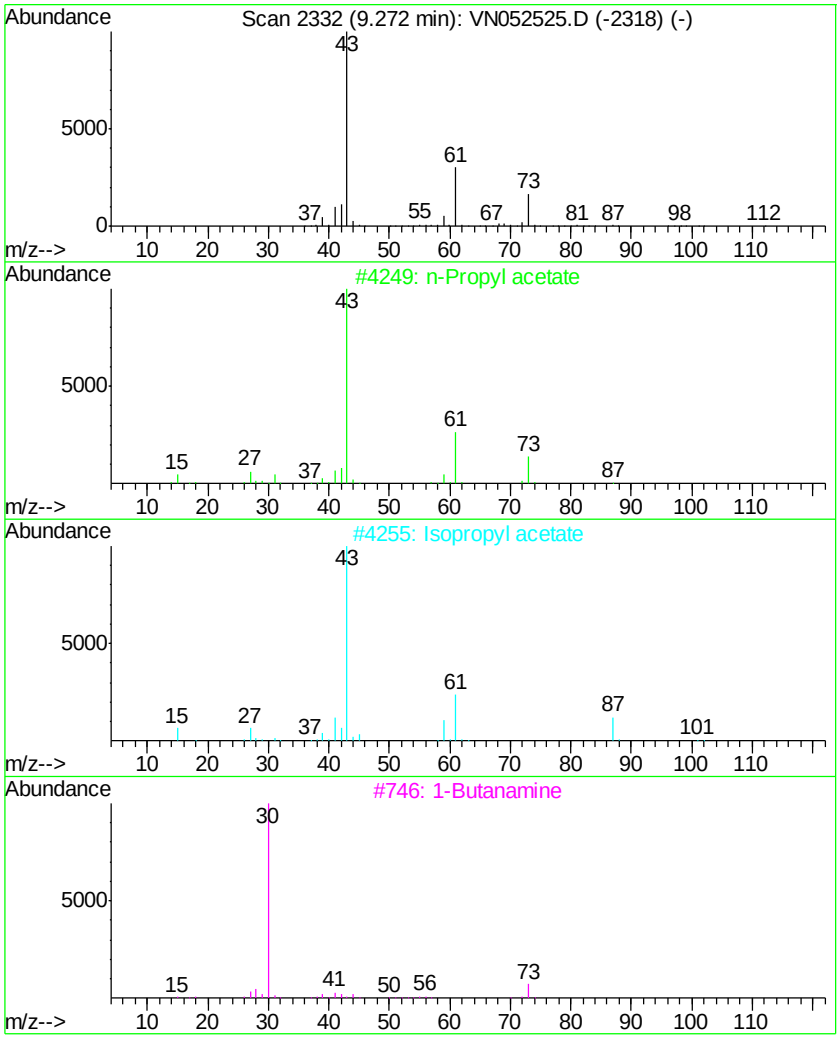
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

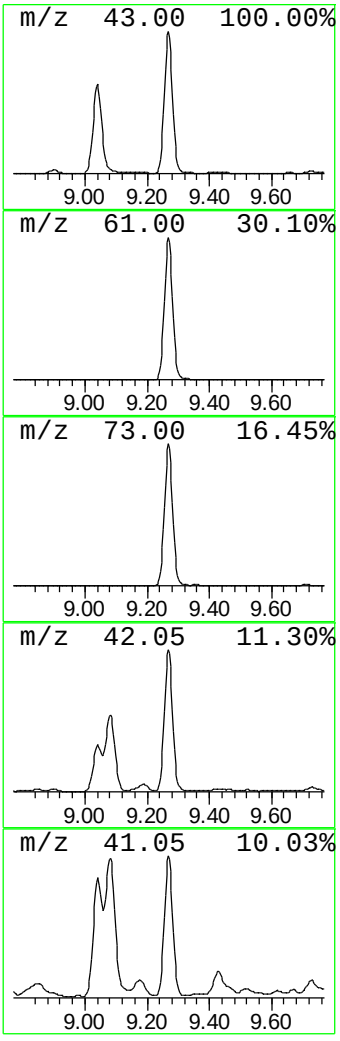
****

Peak Number 1 n-Propyl acetate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	36.93 ug/l	4712970	1,4-Difluorobenzene	8.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	78
2	Isopropyl acetate	102	C5H10O2	000108-21-4	33
3	1-Butanamine	73	C4H11N	000109-73-9	9
4	Isobutyl acetate	116	C6H12O2	000110-19-0	9
5	Propanal, 2,3-dihydroxy-, (S)-	90	C3H6O3	000497-09-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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

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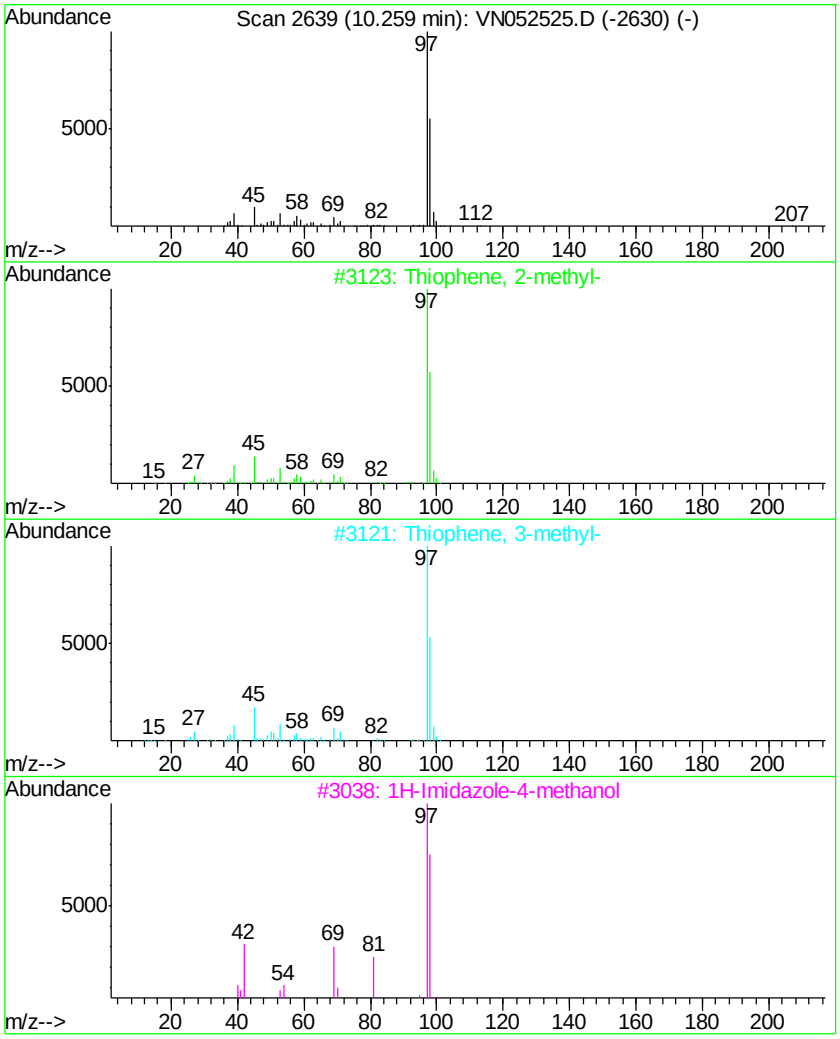
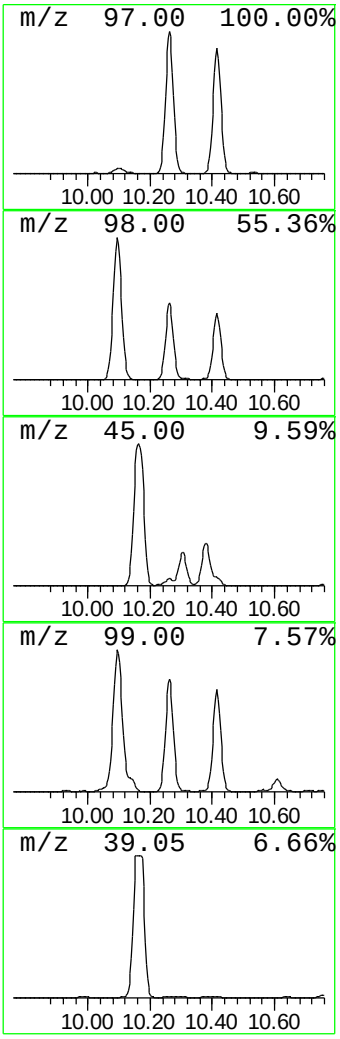
Peak Number 2 Thiophene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	44.55 ug/l	7083000	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	95
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
3	1H-Imidazole-4-methanol	98	C4H6N2O	000822-55-9	80
4	Propennitrile, 3-ethoxy-2-(2-thi...	257	C10H11NO3S2	1000267-97-5	42
5	4-Methyl-2-pyrazolin-5-one	98	C4H6N2O	013315-23-6	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

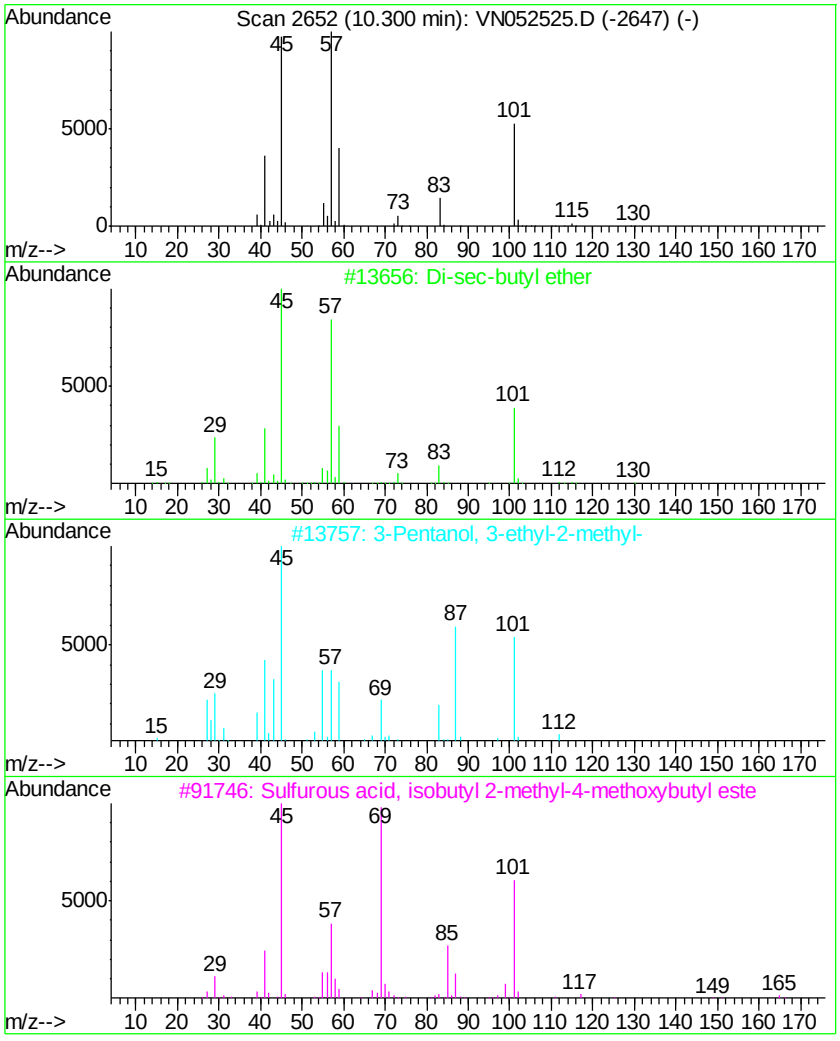
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

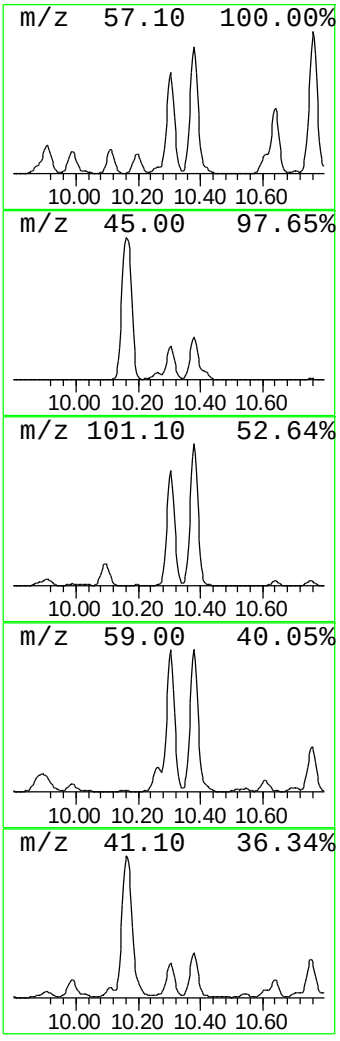
****

Peak Number 3 Di-sec-butyl ether Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	34.53 ug/l	5490030	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-sec-butyl ether	130	C8H18O	006863-58-7	83
2	3-Pentanol, 3-ethyl-2-methyl-	130	C8H18O	000597-05-7	38
3	Sulfurous acid, isobutyl 2-methy...	238	C10H22O4S	1000309-20-3	33
4	Butanoic acid, 4-methoxy-	118	C5H10O3	029006-02-8	28
5	Fructofuranose, 2,6-anhydro-1,3,...	204	C9H16O5	004451-11-0	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

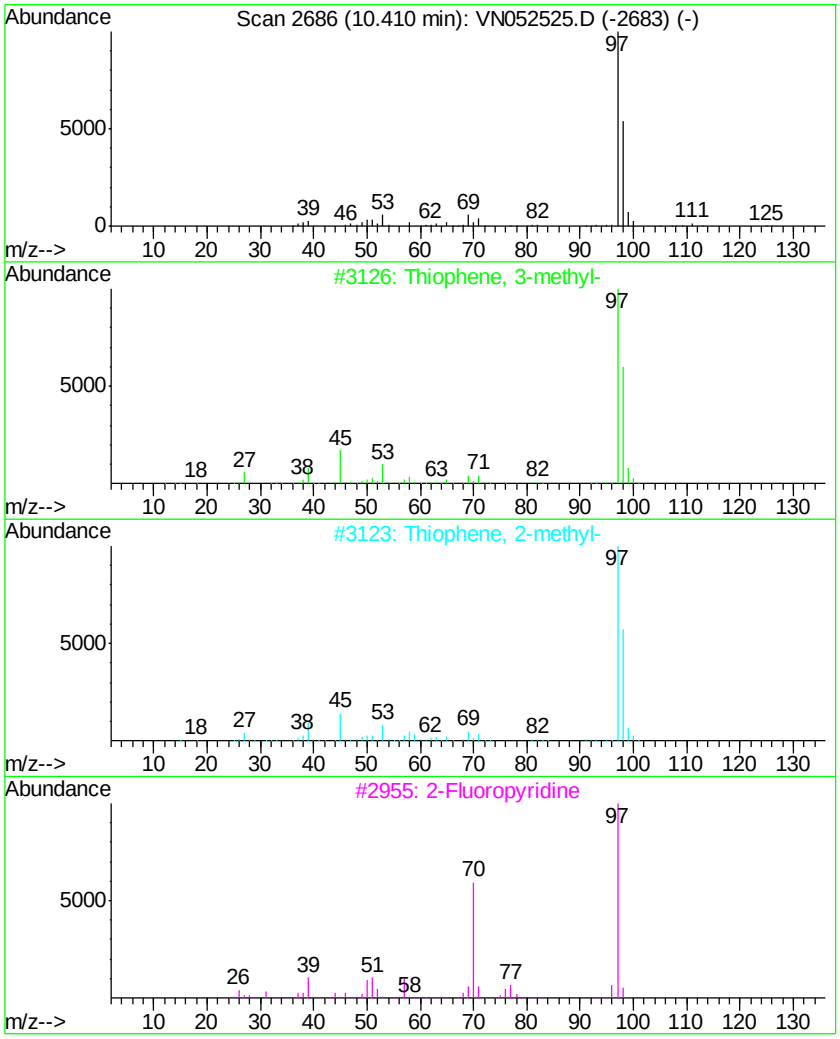
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

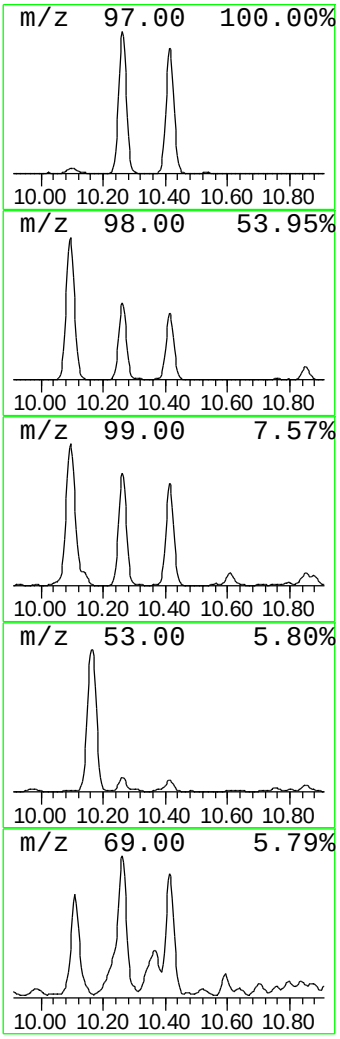
****

Peak Number 5 Thiophene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	30.46 ug/l	4842920	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	86
3	2-Fluoropyridine	97	C5H4FN	000372-48-5	38
4	4-Methyl-2-pyrazolin-5-one	98	C4H6N2O	013315-23-6	28
5	Propennitrile, 3-ethoxy-2-(2-thi...	257	C10H11NO3S2	1000267-97-5	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

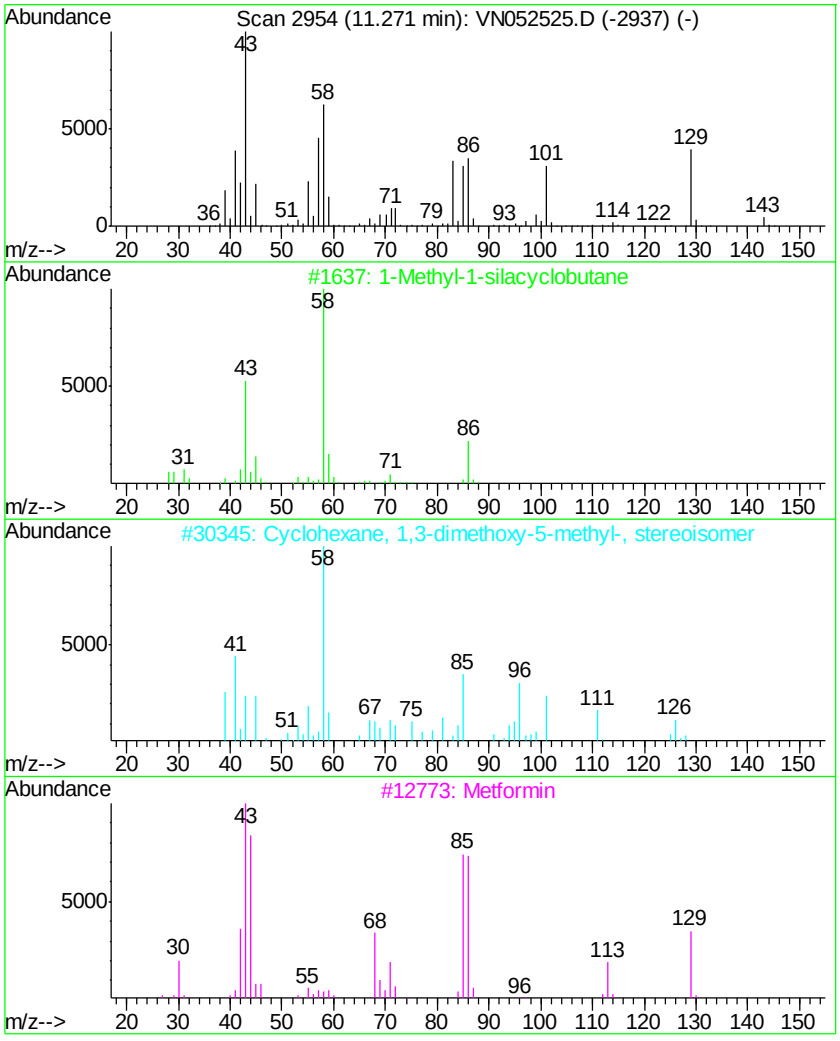
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

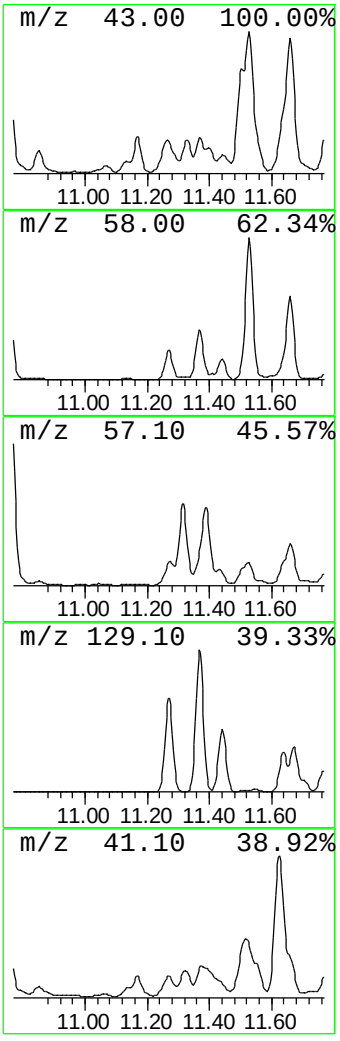
****

Peak Number 6 unknown11.27 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	28.62 ug/l	4549470	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1-silacyclobutane	86	C4H10Si	000765-33-3	38
2	Cyclohexane, 1,3-dimethoxy-5-met...	158	C9H18O2	030363-82-7	37
3	Metformin	129	C4H11N5	000657-24-9	27
4	Propanamide, N,2-dimethyl-	101	C5H11NO	002675-88-9	27
5	2-Pentane isothiocyanate	129	C6H11NS	201224-94-4	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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

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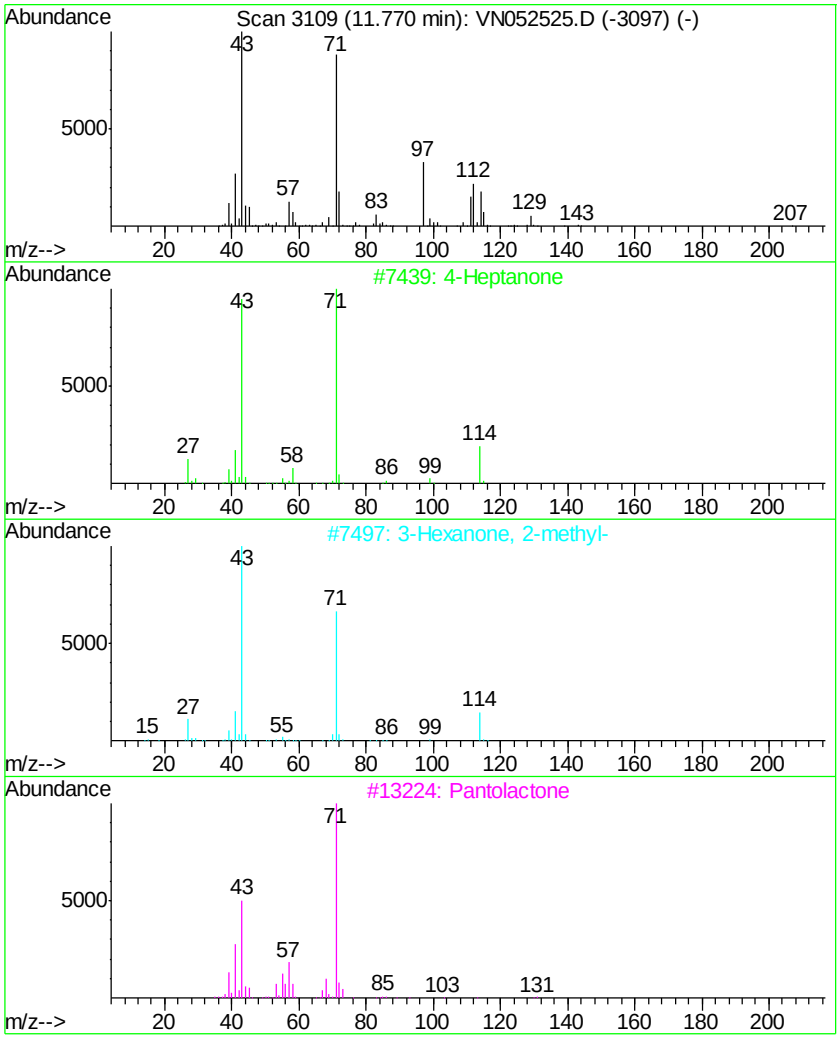
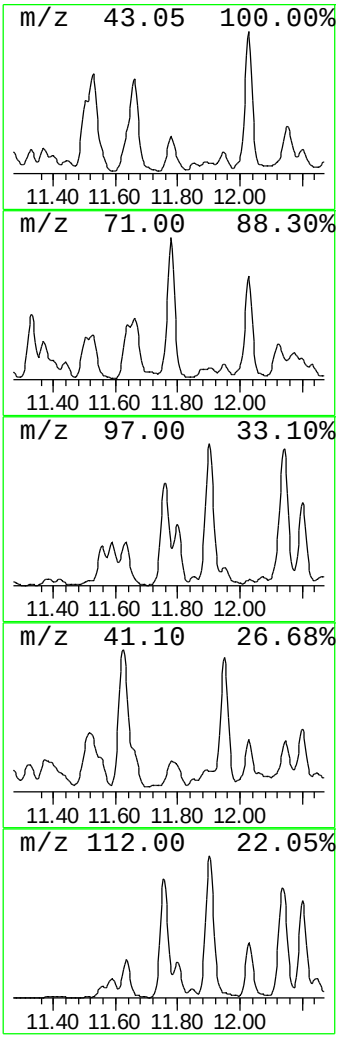
Peak Number 7 4-Heptanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	33.91 ug/l	5391230	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone	114	C7H14O	000123-19-3	53
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	52
3	Pantolactone	130	C6H10O3	000599-04-2	43
4	2,4-Dimethyl-1-penten-3-ol	114	C7H14O	019781-54-5	40
5	4,5-Octanedione	142	C8H14O2	005455-24-3	38





Library Search Compound Report

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Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

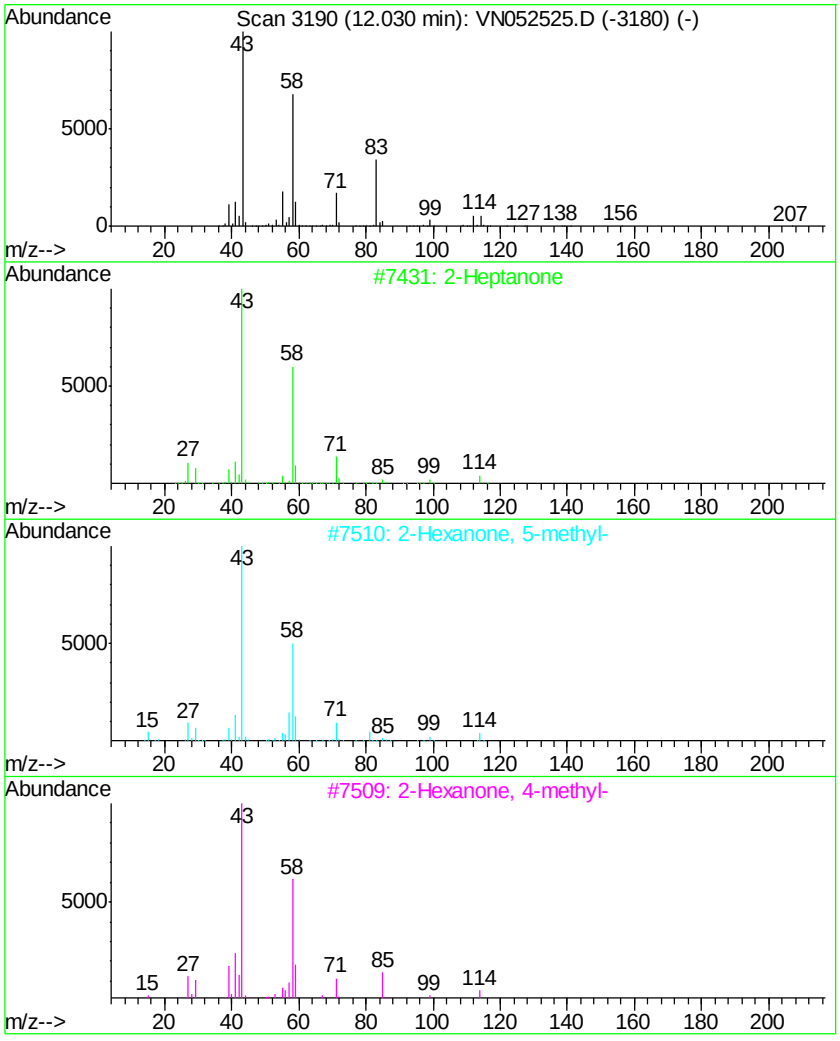
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

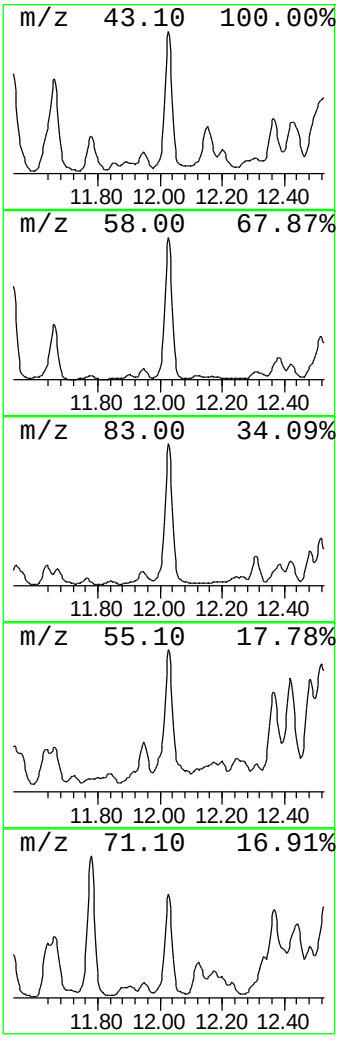
****

Peak Number 8 2-Heptanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	65.61 ug/l	10430600	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	68
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	64
3	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	50
4	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	40
5	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	32





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

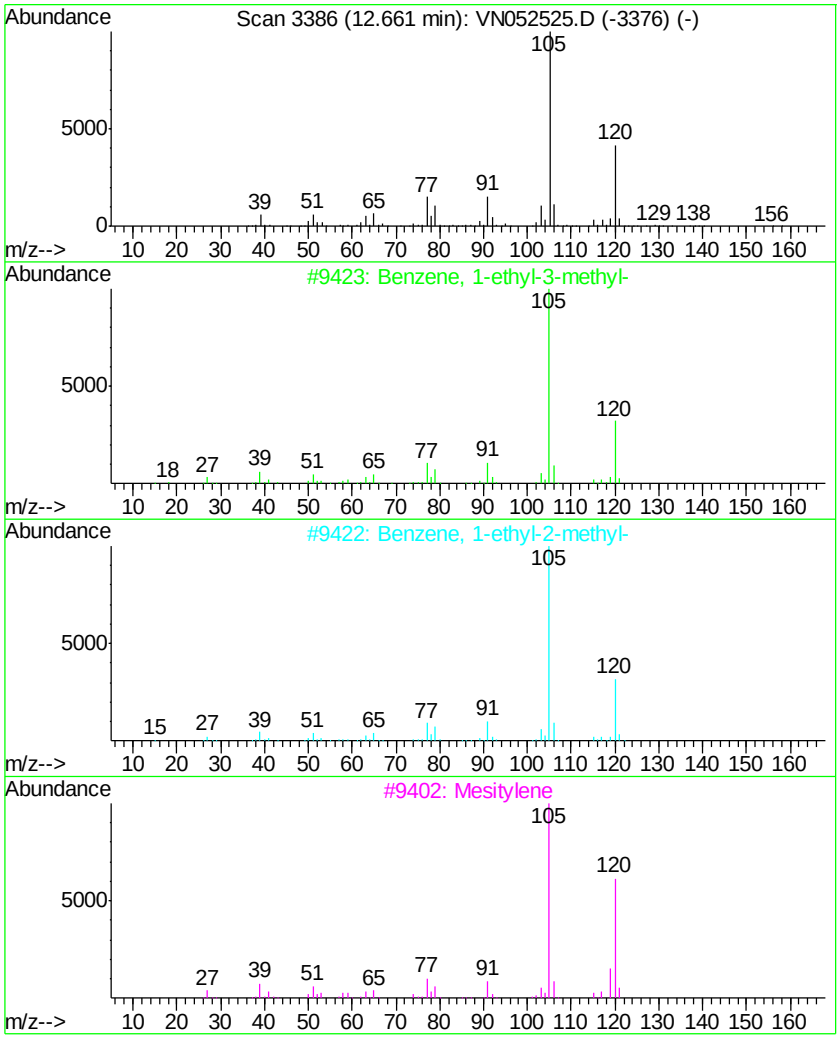
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

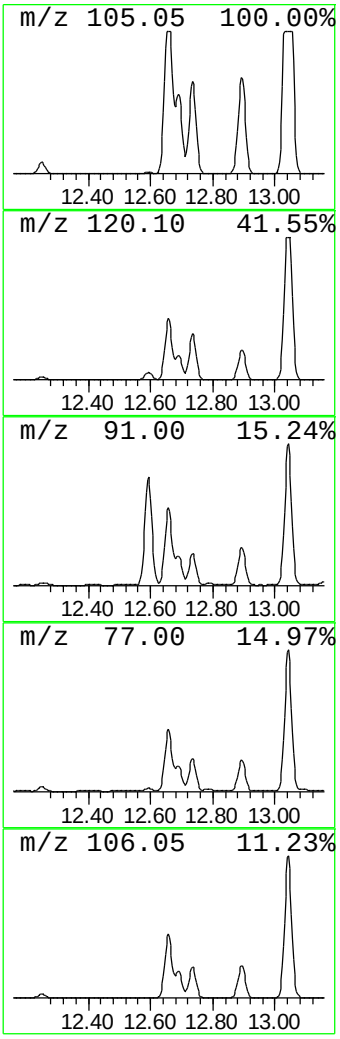
****

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	47.53 ug/l	42524500	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
Data File : VN052525.D
Acq On : 28 Nov 2018 17:41
Operator : MD\SY
Sample : J6064-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : OILY-SOIL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Propyl acetate	9.27	36.9	ug/l	4712970	2	8.59	6380960	50.0
Thiophene, 2-methyl-	10.26	44.5	ug/l	7083000	3	11.41	7949420	50.0
Di-sec-butyl ether	10.30	34.5	ug/l	5490030	3	11.41	7949420	50.0
Thiophene, 3-methyl-	10.41	30.5	ug/l	4842920	3	11.41	7949420	50.0
unknown11.27	11.27	28.6	ug/l	4549470	3	11.41	7949420	50.0
4-Heptanone	11.77	33.9	ug/l	5391230	3	11.41	7949420	50.0
2-Heptanone	12.03	65.6	ug/l	10430600	3	11.41	7949420	50.0
Benzene, 1-ethyl-...	12.66	47.5	ug/l	42524500	4	13.35	44738300	50.0