LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

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_X\METHOD\82X082919S.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	1.064	25	29	42	rVB	942470	1075253	72.04%	5.645%
2	1.375	77	80	86	rBV2	18018	21885	1.47%	0.115%
3	1.588	108	115	119	rBV5	13545	25839	1.73%	0.136%
4	2.844	313	321	331	rBV	55724	108060	7.24%	0.567%
5	3.515	422	431	440	rBV	11355	27166	1.82%	0.143%
6	5.258	711	717	729	rVB6	5692	17564	1.18%	0.092%
7	5.484	742	754	769	rBV	185257	526812	35.30%	2.766%
8	5.648	769	781	799	rVB	364096	1029937	69.00%	5.407%
9	6.051	835	847	862	rBV	167914	442855	29.67%	2.325%
10	6.849	966	978	992	rBV	480220	1167878	78.25%	6.131%
11	8.709	1276	1283	1291	rBV	923316	1435102	96.15%	7.534%
12	9.325	1375	1384	1391	rBV2	15648	32236	2.16%	0.169%
13	10.105	1506	1512	1522	rBV	815037	1138394	76.27%	5.977%
14	11.135	1675	1681	1689	rBV	637586	842372	56.44%	4.422%
15	11.361	1711	1718	1727	rBV	61307	91543	6.13%	0.481%
16	11.525	1740	1745	1754	rVB10	7485	15668	1.05%	0.082%
17	12.074	1830	1835	1840	rBV	643043	786234	52.68%	4.128%
18	12.117	1840	1842	1848	rVB2	19975	27965	1.87%	0.147%
19	12.269	1863	1867	1871	rBV	17033	25447	1.70%	0.134%
20	12.342	1876	1879	1884	rVB2	17786	24381	1.63%	0.128%
21	12.397	1884	1888	1890	rBV3	17513	26346	1.77%	0.138%
22	12.495	1898	1904	1911	rBV3	80035	162847	10.91%	0.855%
23	12.562	1911	1915	1922	rVB3	45257	91268	6.11%	0.479%
24	12.629	1922	1926	1931	rBV2	32302	57422	3.85%	0.301%
25	12.678	1931	1934	1937	rBV2	16397	21332	1.43%	0.112%
26	12.708	1937	1939	1942	rVB3	24071	24075	1.61%	0.126%
27	12.751	1942	1946	1950	rBV2	41931	54622	3.66%	0.287%
28	12.812	1950	1956	1958	rBV	72560	126207	8.46%	0.663%
29	12.909	1969	1972	1975	rVB3	17999	24037	1.61%	0.126%
30	12.958	1976	1980	1984	rBV3	21995	42546	2.85%	0.223%
31	13.013	1985	1989	1992	rBV4	44766	69026	4.62%	0.362%
32	13.050	1992	1995	1999	rVV4	43526	73572	4.93%	0.386%
33	13.092	1999	2002	2006	rVV	41796	55802	3.74%	0.293%
34	13.220	2014	2023	2025	rBV3	60972	129250	8.66%	0.679%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

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_X\METHOD\82X082919S.M
Title : SW846 8260

35	13.287	2031	2034	2035	rBV3	50918	54618	3.66%	0.287%
36	13.312	2035	2038	2042	rVB4	99669	146334	9.80%	0.768%
37	13.428	2054	2057	2059	rBV2	36111	43688	2.93%	0.229%
38	13.482	2063	2066	2068	rBV2	32351	40660	2.72%	0.213%
39	13.562	2073	2079	2080	rBV4	84487	157616	10.56%	0.827%
40	13.586	2081	2083	2085	rVB	40405	38893	2.61%	0.204%
41	13.738	2103	2108	2111	rBV6	67244	138519	9.28%	0.727%
42	13.946	2139	2142	2148	rBV2	201248	340687	22.83%	1.789%
43	14.013	2150	2153	2157	rBV3	80585	116638	7.81%	0.612%
44	14.147	2171	2175	2179	rBV	801705	1015827	68.06%	5.333%
45	14.226	2179	2188	2190	rBV6	459881	1259980	84.42%	6.615%
46	14.299	2197	2200	2204	rBV2	314847	419203	28.09%	2.201%
47	14.427	2217	2221	2222	rBV2	235363	323177	21.65%	1.697%
48	14.452	2222	2225	2229	rVB	302968	426998	28.61%	2.242%
49	14.555	2237	2242	2248	rBV6	339550	818572	54.84%	4.297%
50	14.696	2262	2265	2268	rBV2	229864	254361	17.04%	1.335%
51	14.750	2269	2274	2279	rVB2	704084	1330813	89.16%	6.987%
52	15.122	2331	2335	2344	rVB4	736355	1492582	100.00%	7.836%
53	15.208	2344	2349	2357	rVB4	291893	766314	51.34%	4.023%
54	16.445	2547	2552	2561	rVB	17083	41322	2.77%	0.217%

Sum of corrected areas: 19047745

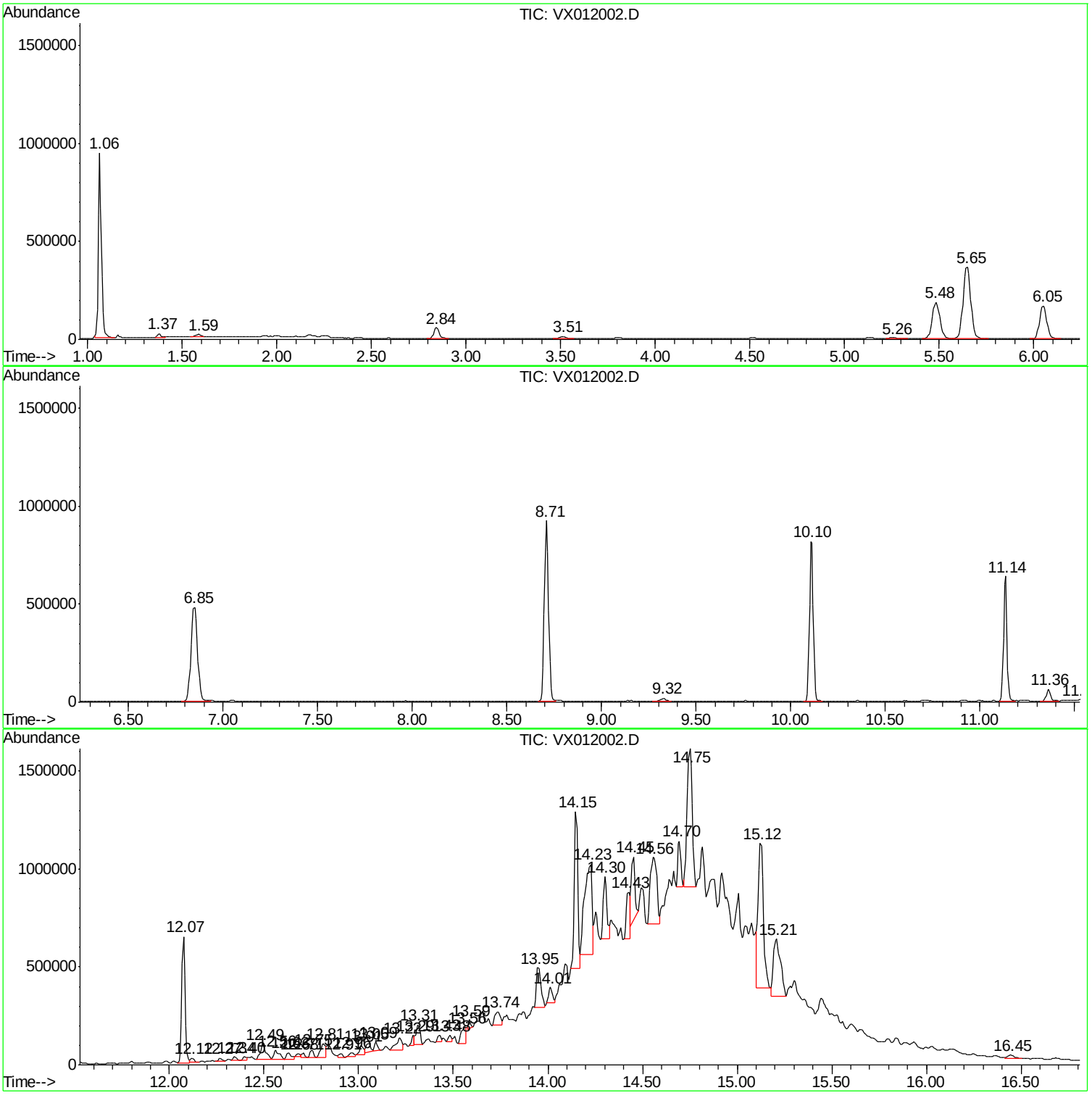
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.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_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260

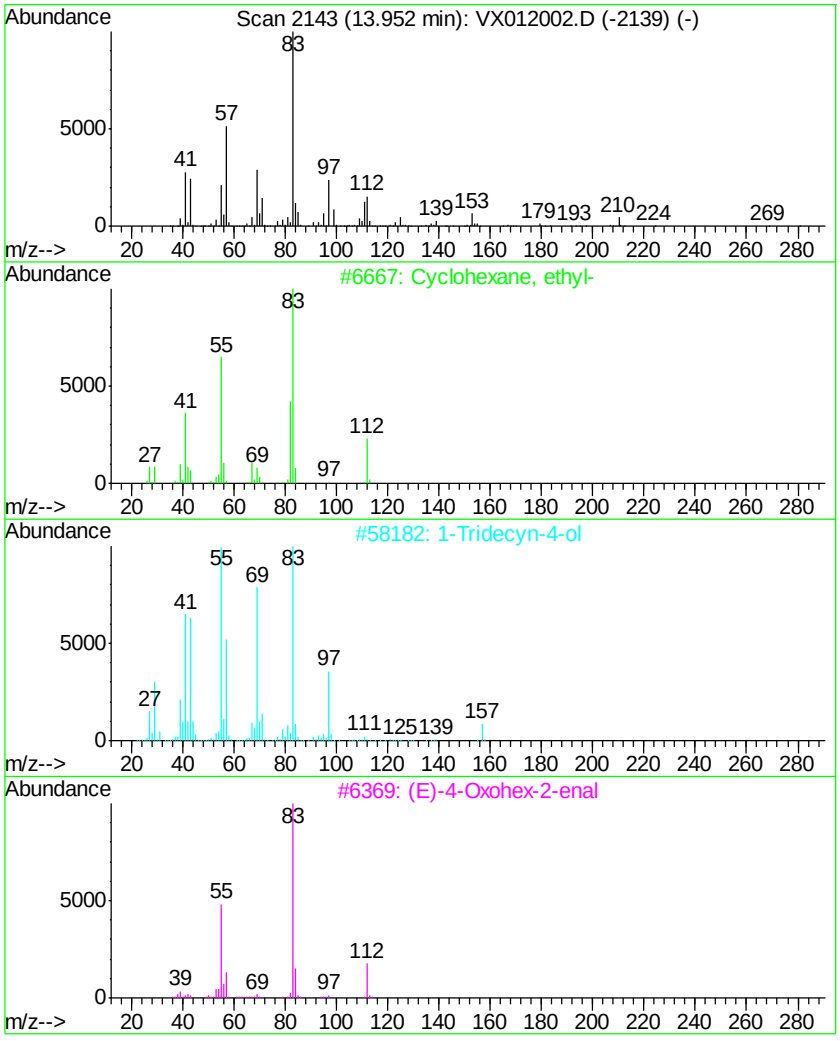
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

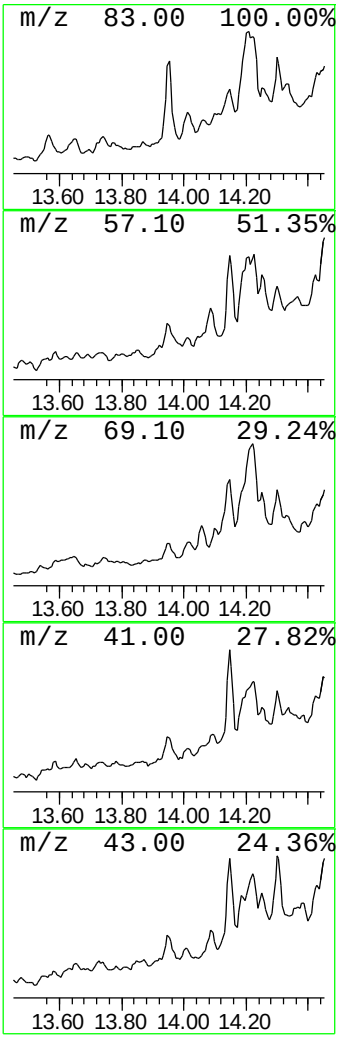
****

Peak Number 2 unknown13.95 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	21.67 ug/l	340687	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	46
2	1-Tridecyn-4-ol	196	C13H24O	074646-37-0	45
3	(E)-4-Oxohex-2-enal	112	C6H8O2	1000374-04-2	43
4	But-2-enoic acid, amide, 3-methy...	153	C9H15NO	1000340-09-0	43
5	4-Hexen-3-one, 5-methyl-	112	C7H12O	013905-10-7	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260

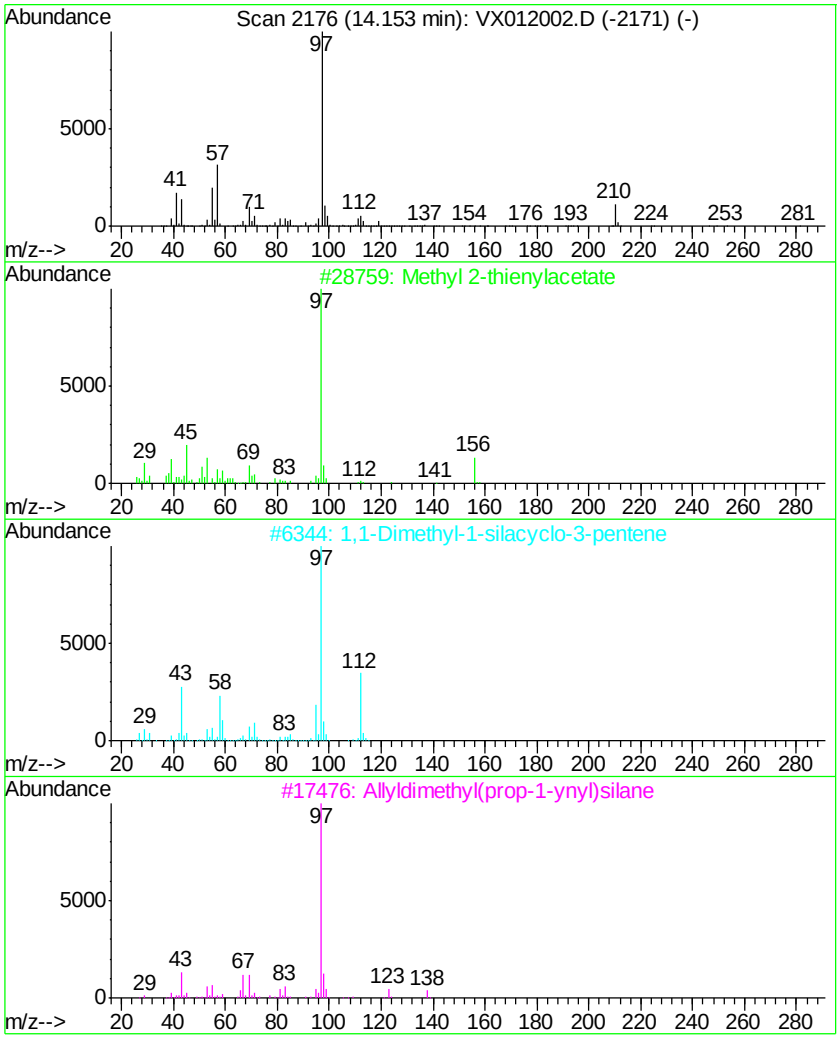
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

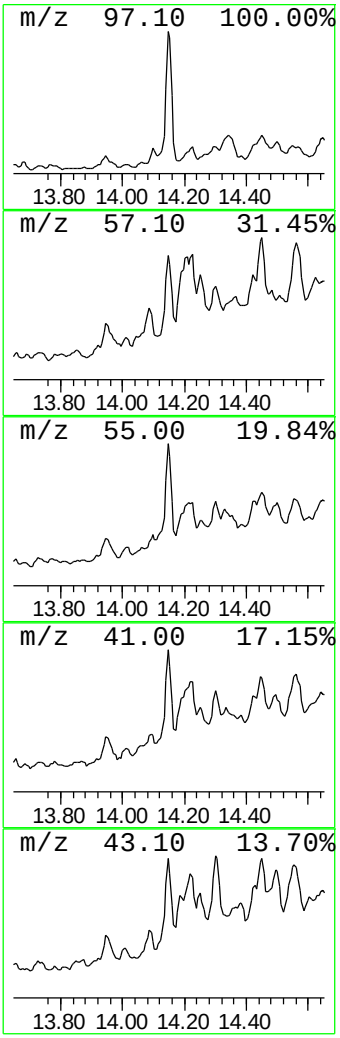
****

Peak Number 3 Methyl 2-thienylacetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	64.60 ug/l	1015830	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 2-thienylacetate	156	C7H8O2S	019432-68-9	80
2	1,1-Dimethyl-1-silacyclo-3-pentene	112	C6H12Si	016054-12-9	72
3	Allyldimethyl(prop-1-ynyl)silane	138	C8H14Si	1000281-75-1	64
4	Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	64
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260

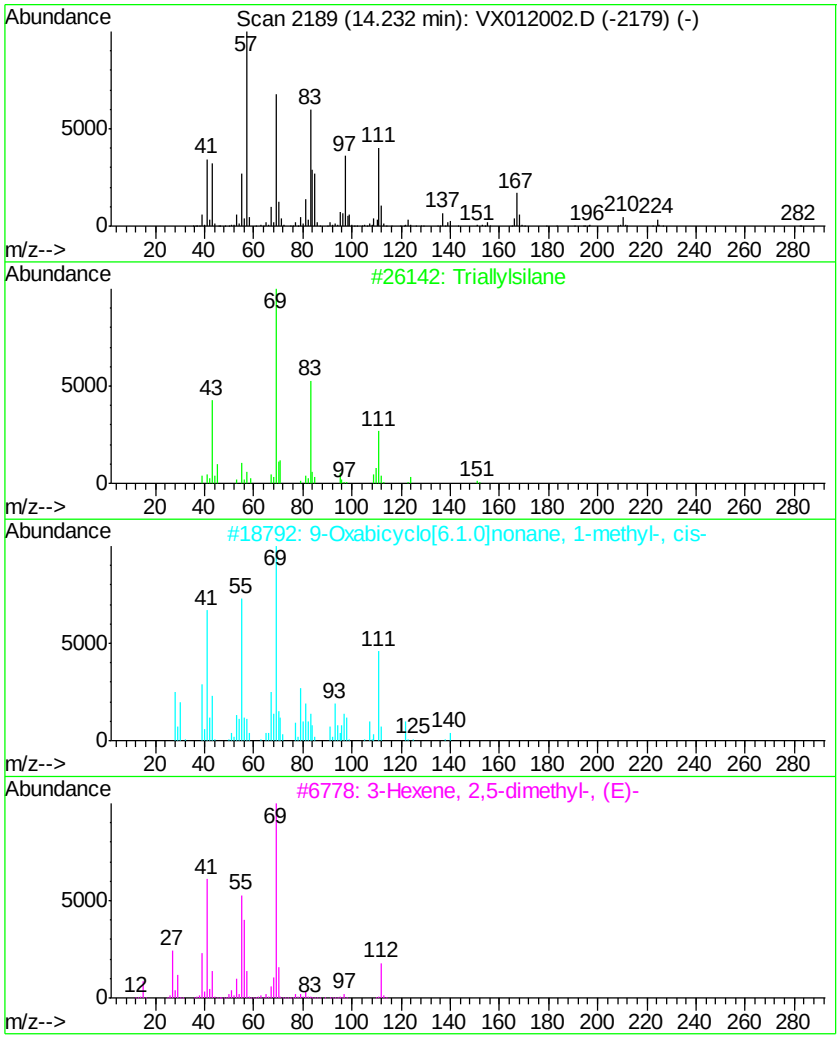
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

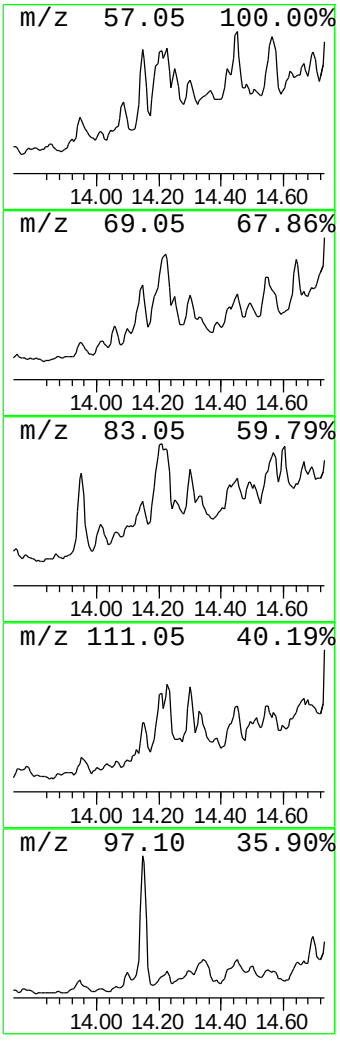
****

Peak Number 4 unknown14.23 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	80.13 ug/l	1259980	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triallylsilane	152	C9H16Si	001116-62-7	47
2	9-Oxabicyclo[6.1.0]nonane, 1-met...	140	C9H16O	052954-47-9	35
3	3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	30
4	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	30
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260

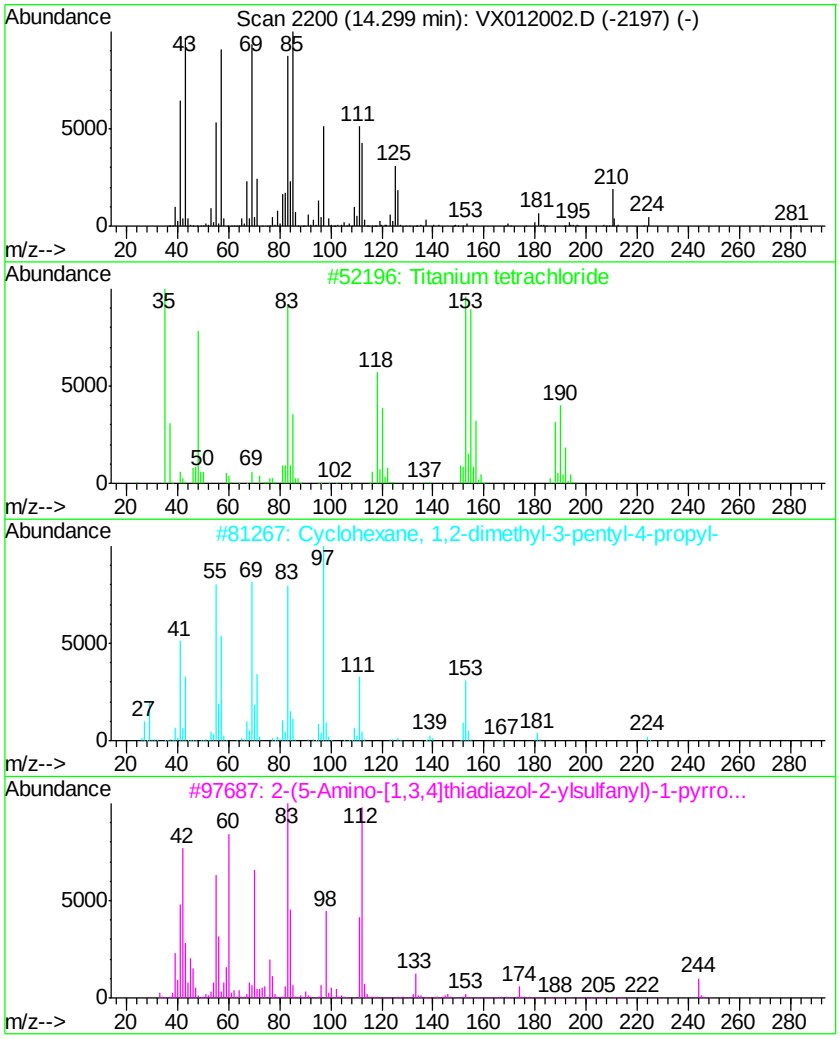
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

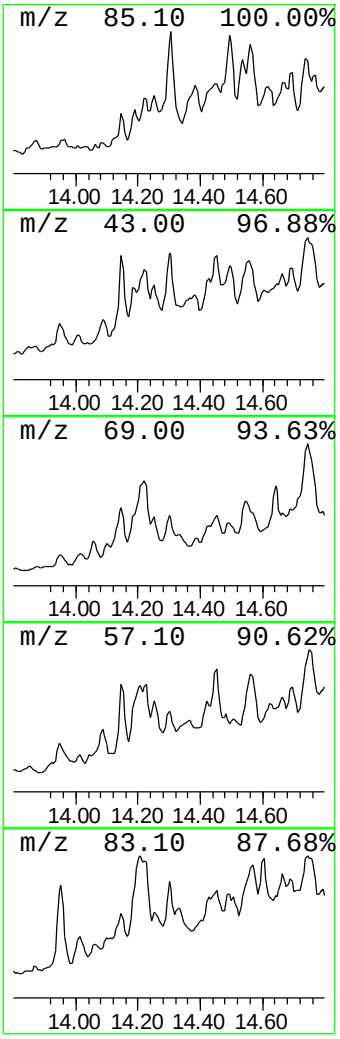
****

Peak Number 5 Titanium tetrachloride Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	26.66 ug/l	419203	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Titanium tetrachloride	188	Cl4Ti	007550-45-0	53
2	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	43
3	2-(5-Amino-[1,3,4]thiadiazol-2-y...	244	C8H12N4OS2	1000296-53-5	42
4	Triallylsilane	152	C9H16Si	001116-62-7	38
5	Cyclohexanecarboxylic acid, 1-cy...	224	C14H24O2	1000279-52-6	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
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Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260

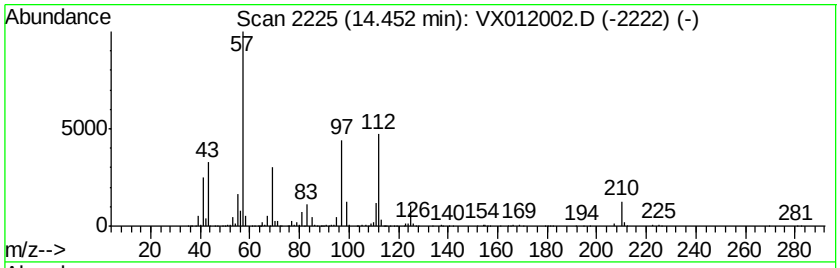
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

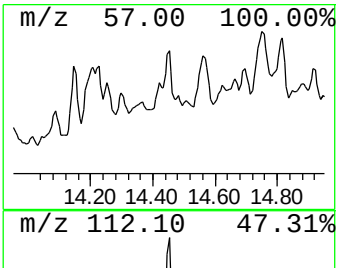
****

Peak Number 6 unknown14.45 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	27.15 ug/l	426998	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	43
2	Cycloheptanone, 3-(3,3-dimethylb...	210	C14H26O	056248-40-9	14
3	2,2,9-Trimethyldec-5-ene-3,8-dione	210	C13H22O2	083040-81-7	14
4	6-Tridecene, 2,2,4,10,12,12-hexa...	392	C28H56	055255-73-7	12
5	4-Bromoheptane	178	C7H15Br	000998-93-6	10





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Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260

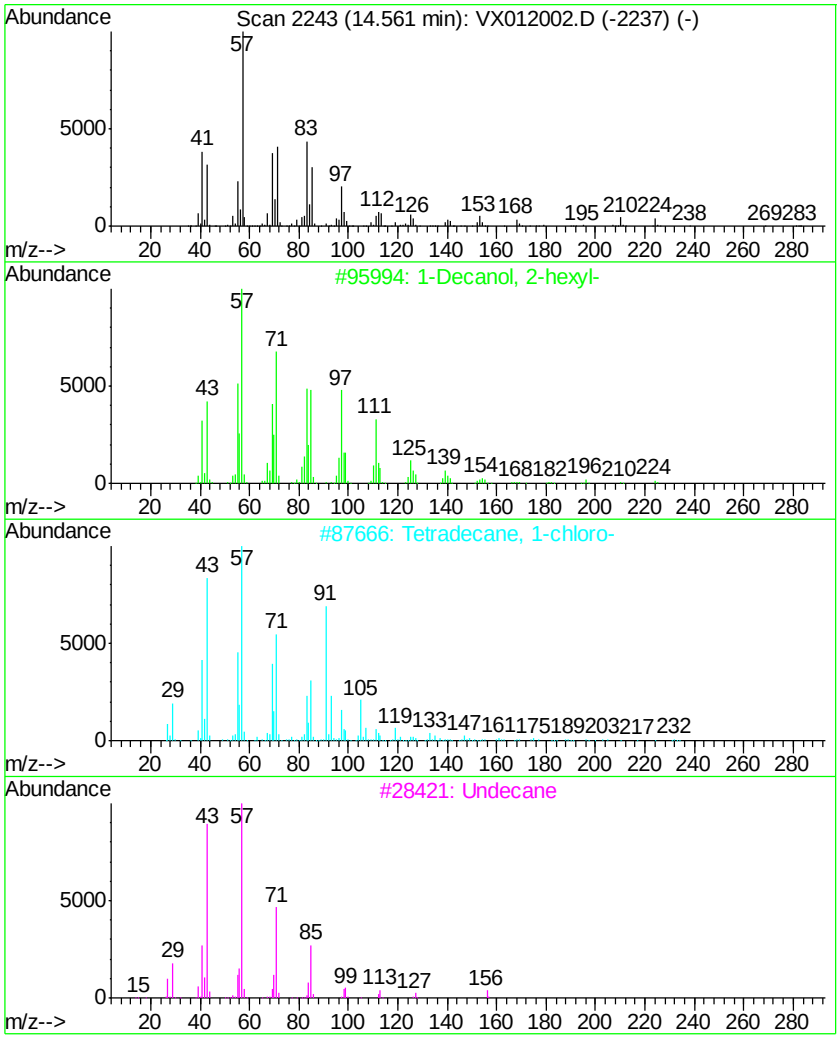
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

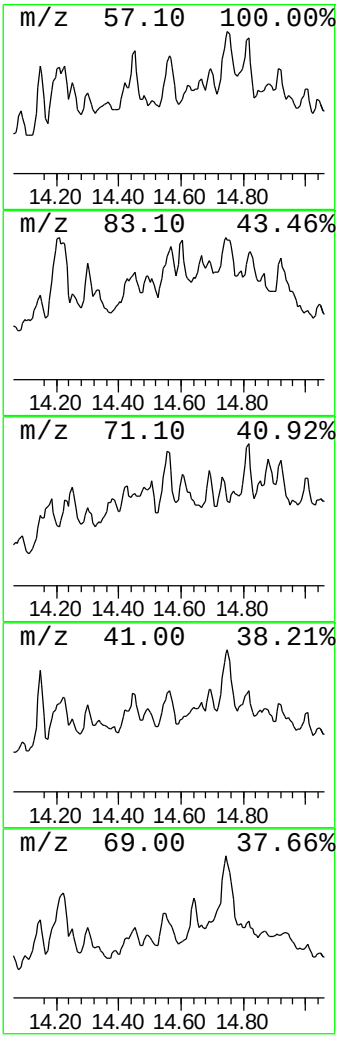
****

Peak Number 7 1-Decanol, 2-hexyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	52.06 ug/l	818572	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	80
2	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	50
3	Undecane	156	C11H24	001120-21-4	43
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	38
5	Hexadecane	226	C16H34	000544-76-3	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

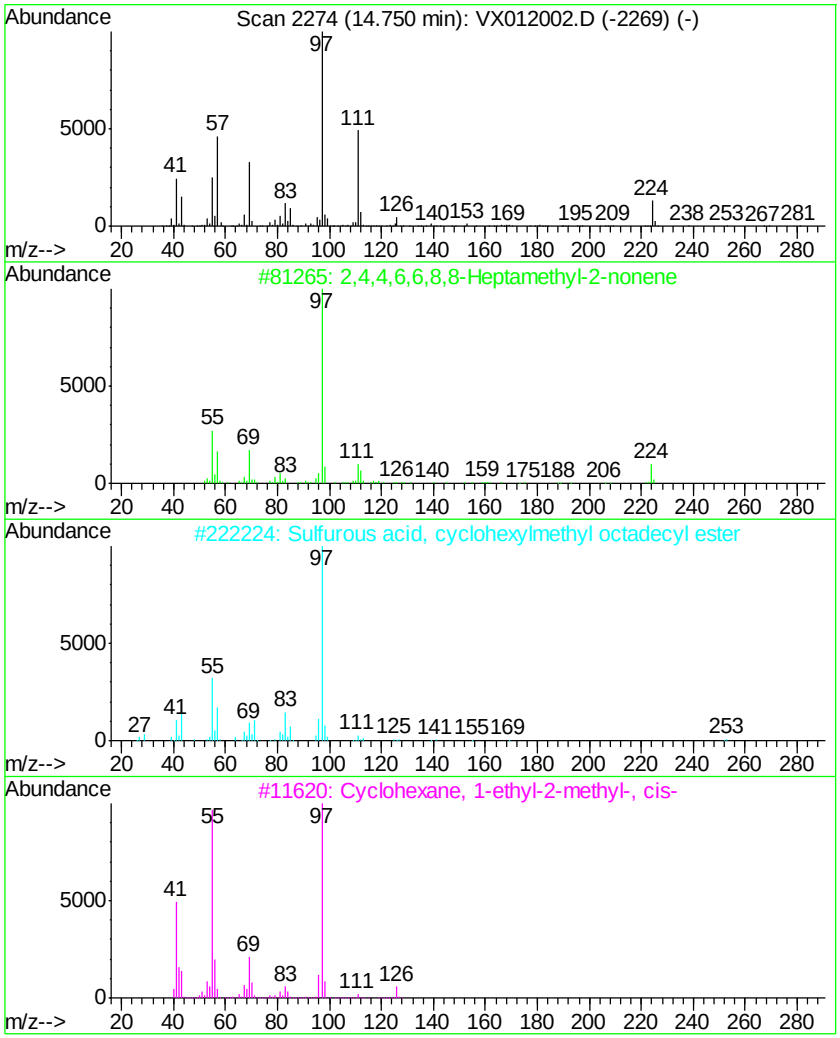
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260

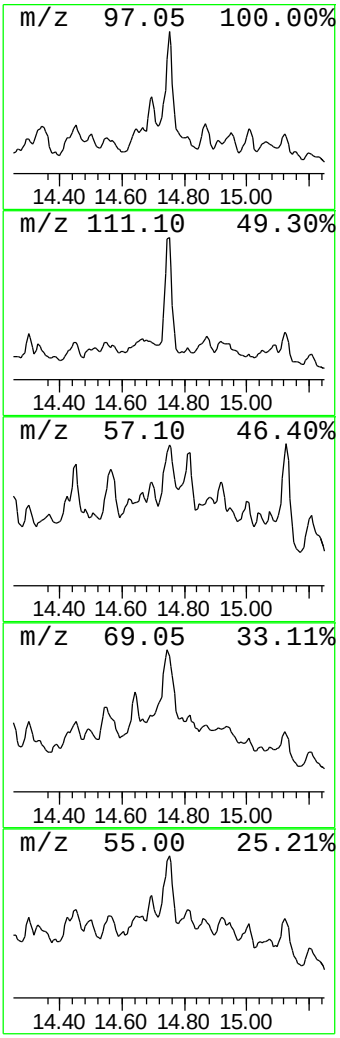
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 2,4,4,6,6,8,8-Heptamethyl-2... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	84.63 ug/l	1330810	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-2-nonene	224	C16H32	039761-73-4	53
2	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	50
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	38
4	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	38
5	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
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ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260

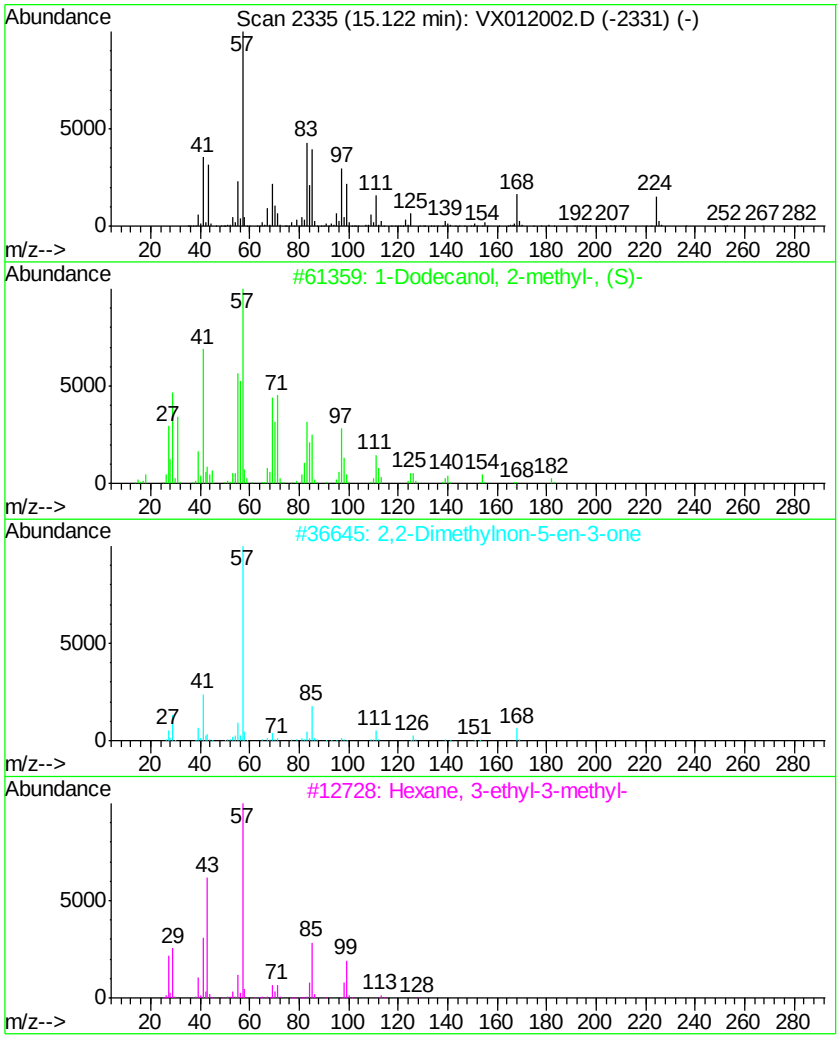
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

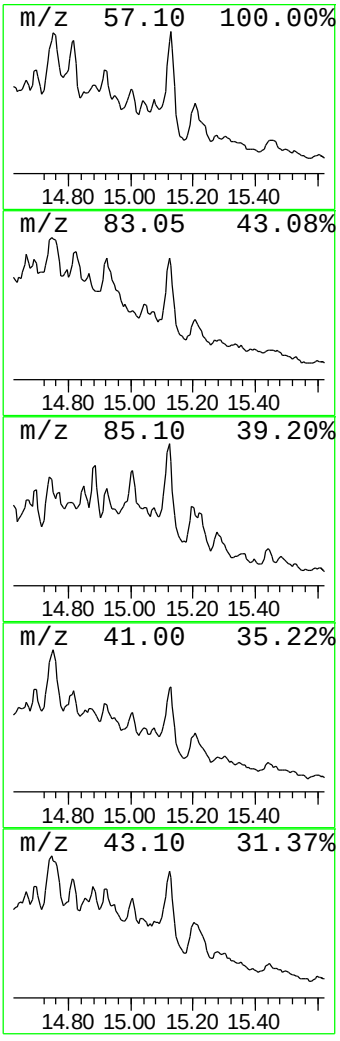
****

Peak Number 9 unknown15.12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	94.92 ug/l	1492580	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-methyl-, (S)-	200	C13H28O	057289-26-6	42
2	2,2-Dimethylnon-5-en-3-one	168	C11H20O	1000191-19-4	38
3	Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	35
4	Tetradecanoic acid, 2-hydroxy-, ...	258	C15H30O3	056009-40-6	25
5	Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1000309-34-1	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260

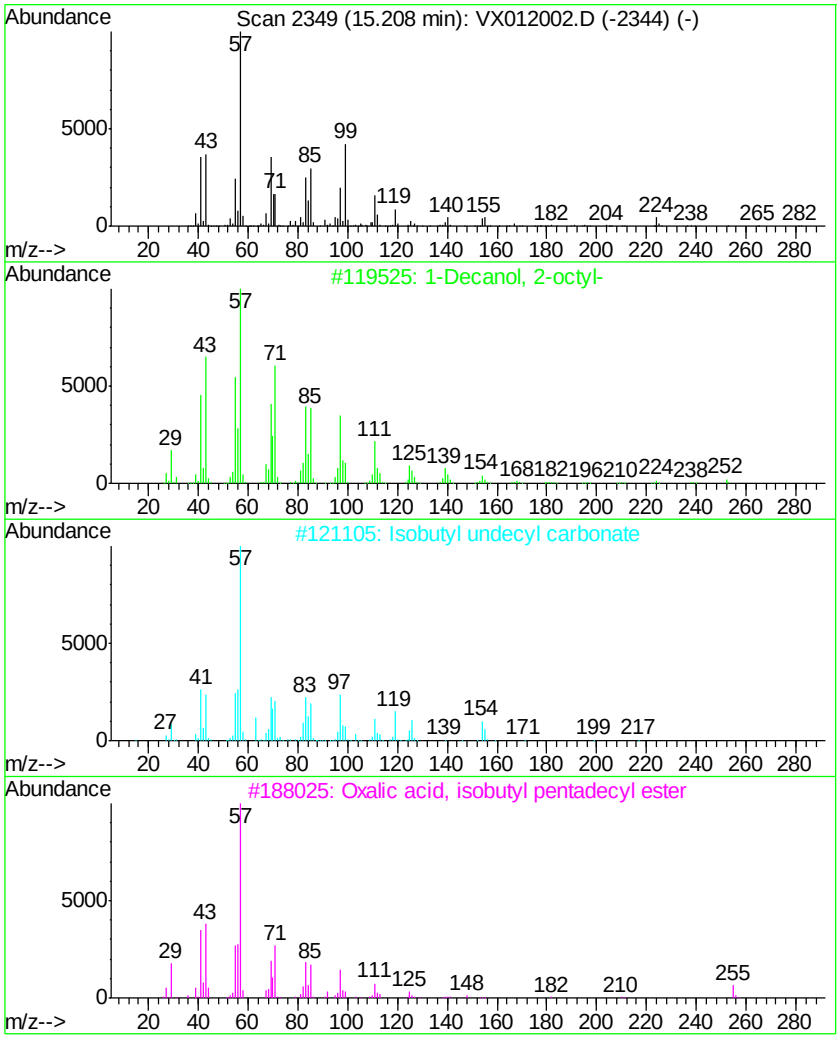
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

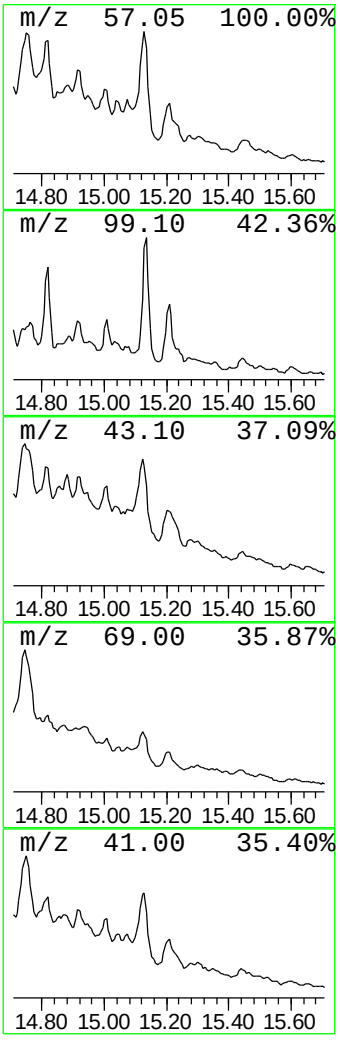
****

Peak Number 10 1-Decanol, 2-octyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	48.73 ug/l	766314	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	59
2	Isobutyl undecyl carbonate	272	C16H32O3	1000372-78-8	50
3	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	50
4	Dodecyl isobutyl carbonate	286	C17H34O3	959067-22-2	47
5	2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090119\
Data File : VX012002.D
Acq On : 01 Sep 2019 19:51
Operator : SY/SP
Sample : K4529-05
Misc : 3.80g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T9-12-13-T2-(1.9)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.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
unknown13.95	13.95	21.7	ug/l	340687	4	12.07	786234	50.0
Methyl 2-thienyla...	14.15	64.6	ug/l	1015830	4	12.07	786234	50.0
unknown14.23	14.23	80.1	ug/l	1259980	4	12.07	786234	50.0
Titanium tetrachl...	14.30	26.7	ug/l	419203	4	12.07	786234	50.0
unknown14.45	14.45	27.1	ug/l	426998	4	12.07	786234	50.0
1-Decanol, 2-hexyl-	14.56	52.1	ug/l	818572	4	12.07	786234	50.0
2,4,4,6,6,8,8-Hep...	14.75	84.6	ug/l	1330810	4	12.07	786234	50.0
unknown15.12	15.12	94.9	ug/l	1492580	4	12.07	786234	50.0
1-Decanol, 2-octyl-	15.21	48.7	ug/l	766314	4	12.07	786234	50.0