LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

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\82X090319S.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	18	29	42	rBV	542273	672438	59.70%	4.401%
2	2.844	316	321	331	rVB	11441	22590	2.01%	0.148%
3	5.484	742	754	769	rVB	67923	192336	17.08%	1.259%
4	5.648	769	781	794	rBV	133902	372270	33.05%	2.437%
5	6.051	837	847	859	rBV	74958	192172	17.06%	1.258%
6	6.849	967	978	992	rBV2	200240	483692	42.94%	3.166%
7	8.709	1276	1283	1293	rBV	373888	583940	51.84%	3.822%
8	10.111	1506	1513	1522	rBV	326411	455400	40.43%	2.981%
9	11.135	1675	1681	1692	rBV	218893	284950	25.30%	1.865%
10	11.361	1713	1718	1722	rBV2	12102	16233	1.44%	0.106%
11	12.074	1830	1835	1844	rBV	184606	235092	20.87%	1.539%
12	12.379	1878	1885	1888	rBV6	13353	29397	2.61%	0.192%
13	12.623	1921	1925	1933	rVB7	16422	38254	3.40%	0.250%
14	12.732	1937	1943	1945	rBV6	24668	52295	4.64%	0.342%
15	12.812	1953	1956	1961	rVB3	36281	46100	4.09%	0.302%
16	12.866	1961	1965	1971	rBV2	77103	135866	12.06%	0.889%
17	12.976	1978	1983	1987	rBV	83325	121125	10.75%	0.793%
18	13.055	1991	1996	1999	rBV4	71655	117251	10.41%	0.767%
19	13.092	1999	2002	2006	rBV4	58118	91256	8.10%	0.597%
20	13.147	2007	2011	2013	rBV5	42936	78820	7.00%	0.516%
21	13.263	2023	2030	2032	rBV6	75481	199825	17.74%	1.308%
22	13.348	2040	2044	2050	rBV2	212580	311091	27.62%	2.036%
23	13.464	2058	2063	2067	rBV3	305154	591947	52.55%	3.874%
24	13.525	2071	2073	2076	rVB	104494	95566	8.48%	0.625%
25	13.574	2076	2081	2084	rBV2	126720	258504	22.95%	1.692%
26	13.610	2085	2087	2090	rVB	137422	133119	11.82%	0.871%
27	13.647	2090	2093	2095	rBV2	144772	189851	16.86%	1.243%
28	13.824	2119	2122	2124	rBV	224636	248131	22.03%	1.624%
29	13.854	2124	2127	2131	rVV	351828	434481	38.57%	2.844%
30	13.897	2131	2134	2138	rVV2	299582	379289	33.67%	2.482%
31	14.049	2156	2159	2160	rBV2	181723	197429	17.53%	1.292%
32	14.122	2167	2171	2174	rBV3	524708	779504	69.20%	5.102%
33	14.226	2183	2188	2192	rBV6	359214	767228	68.11%	5.022%
34	14.677	2259	2262	2268	rVB5	306130	589890	52.37%	3.861%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
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Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

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\82X090319S.M
Title : SW846 8260

35	14.775	2269	2278	2281	rBV6	380267	1126374	100.00%	7.372%
36	14.811	2281	2284	2288	rVV3	587903	727516	64.59%	4.762%
37	14.994	2311	2314	2315	rBV2	278189	308552	27.39%	2.019%
38	15.018	2315	2318	2323	rVB	687228	1048219	93.06%	6.861%
39	15.488	2390	2395	2401	rVB	526091	864304	76.73%	5.657%
40	15.750	2434	2438	2444	rBV4	262610	538435	47.80%	3.524%
41	15.817	2444	2449	2455	rVB2	507926	915249	81.26%	5.990%
42	15.939	2466	2469	2475	rVB2	151003	241429	21.43%	1.580%
43	16.348	2532	2536	2550	rVB2	39184	111334	9.88%	0.729%

Sum of corrected areas: 15278744

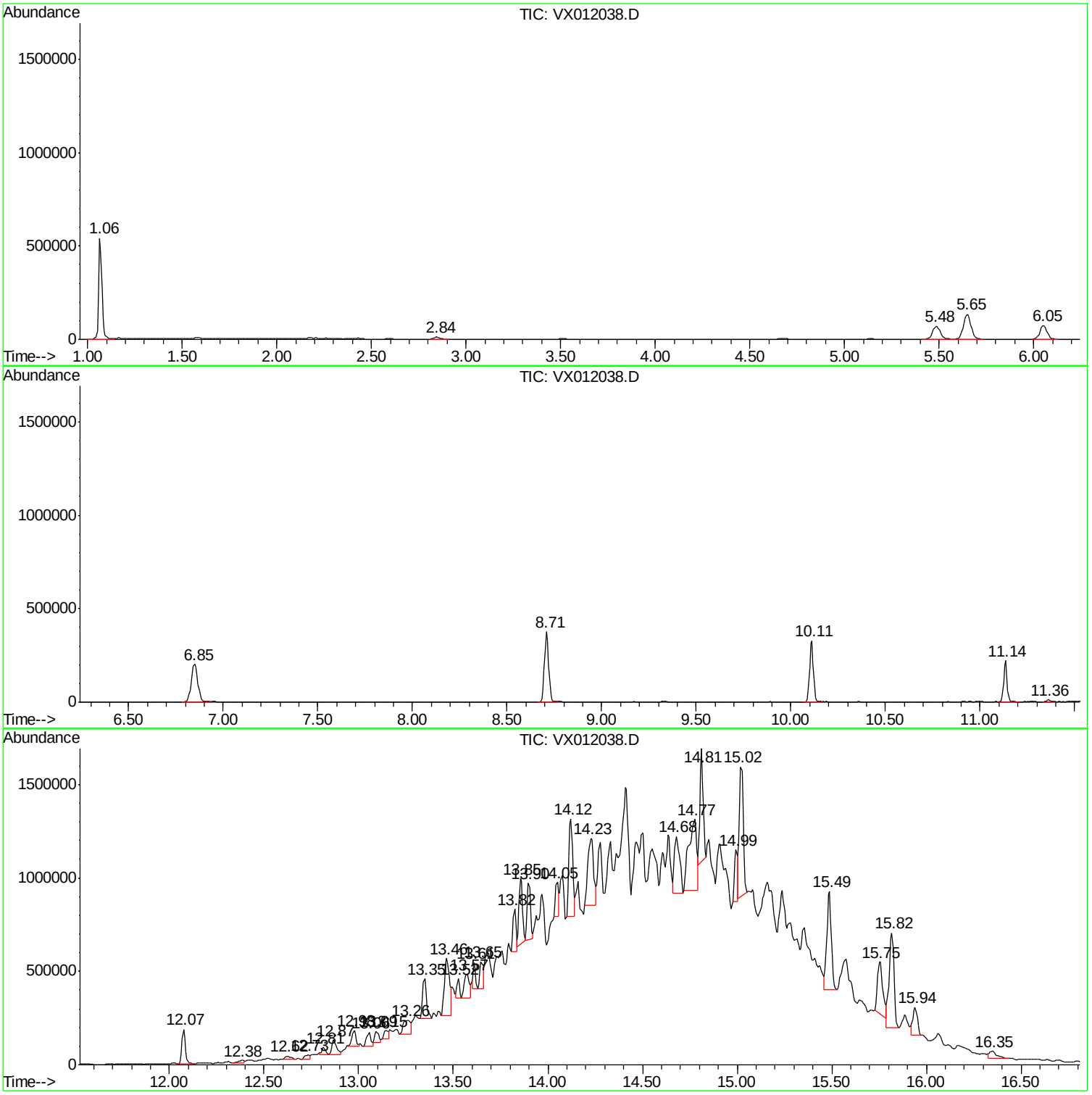
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

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

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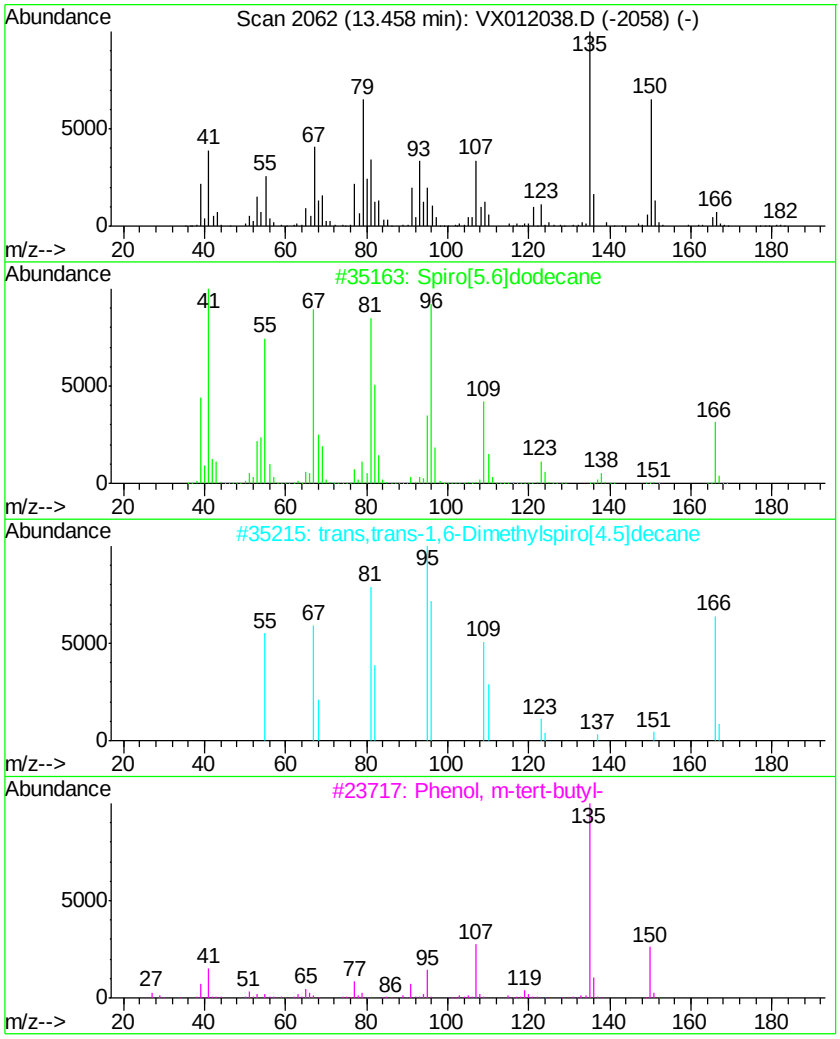
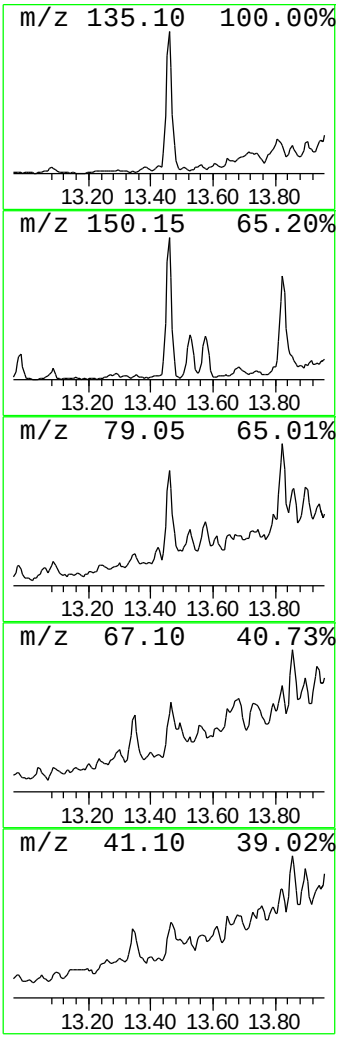
Peak Number 1 Spiro[5.6]dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	125.90 ug/l	591947	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[5.6]dodecane	166	C12H22	000181-15-7	52
2	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	46
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	45
4	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	42
5	2-Methyladamantane	150	C11H18	000700-56-1	41





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

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

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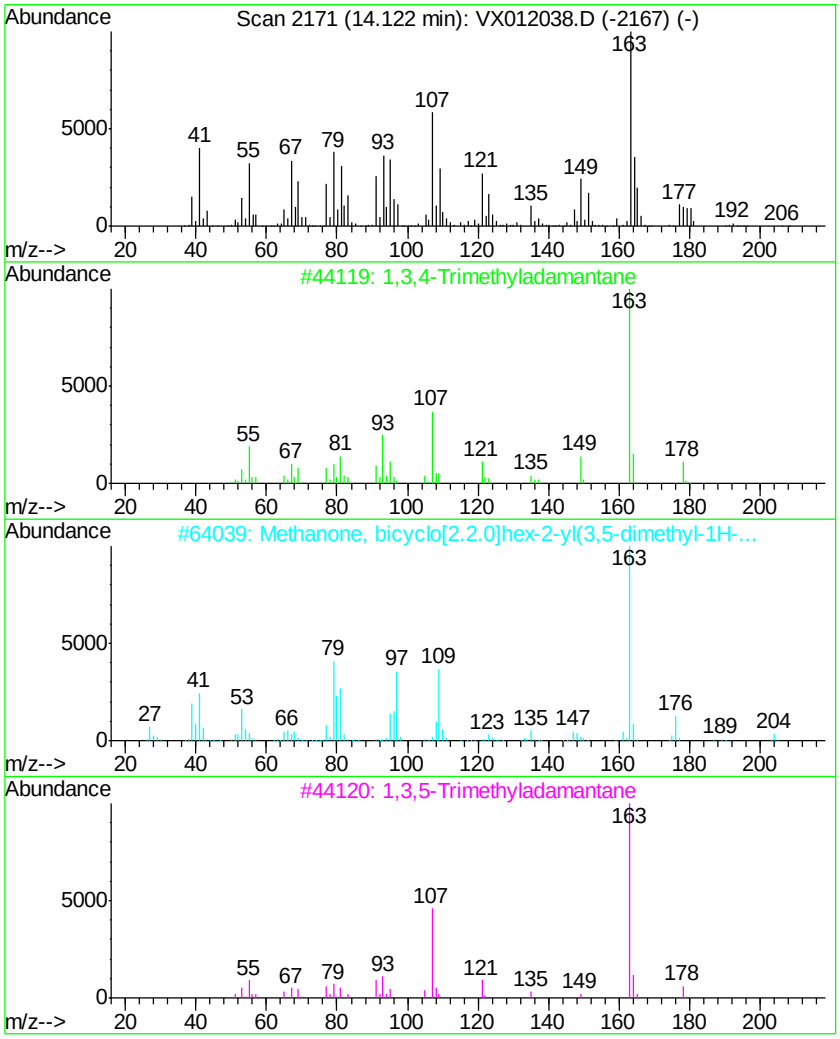
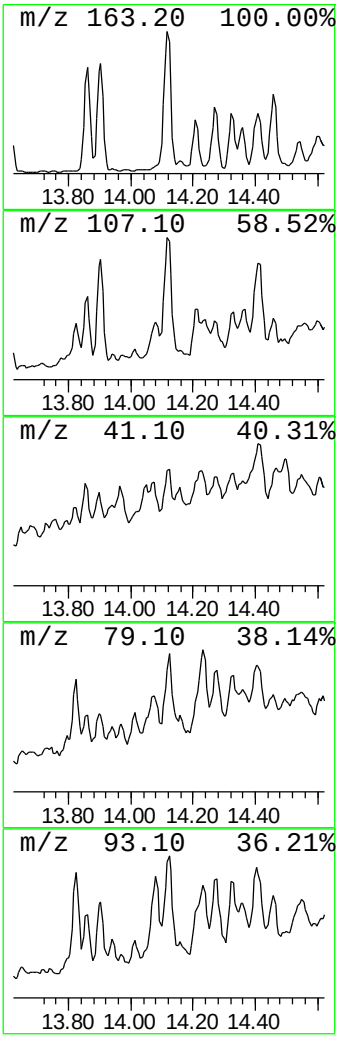
Peak Number 2 unknown14.12 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	165.79 ug/l	779504	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Trimethyladamantane	178	C13H22	1000214-98-3	47
2	Methanone, bicyclo[2.2.0]hex-2-y...	204	C12H16N2O	1000196-74-5	43
3	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	38
4	1,3,6-Trimethyladamantane	178	C13H22	024139-37-5	38
5	Silane, (4-ethylphenyl)trimethyl-	178	C11H18Si	017988-50-0	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

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

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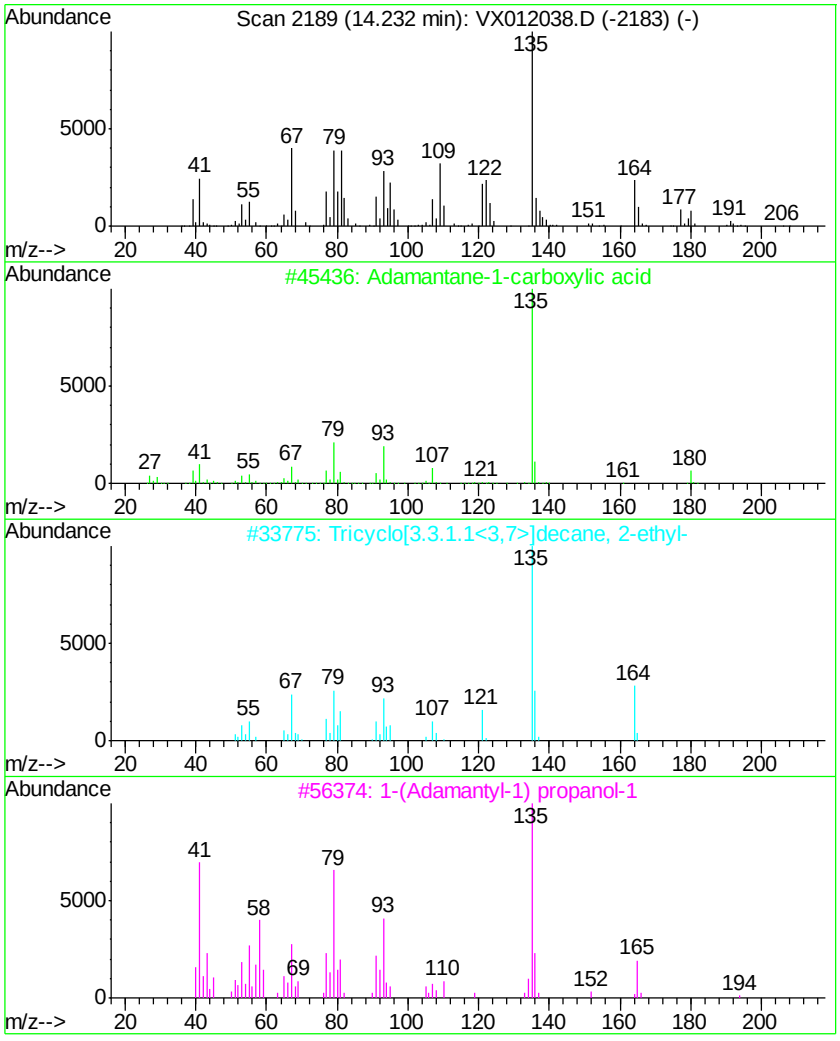
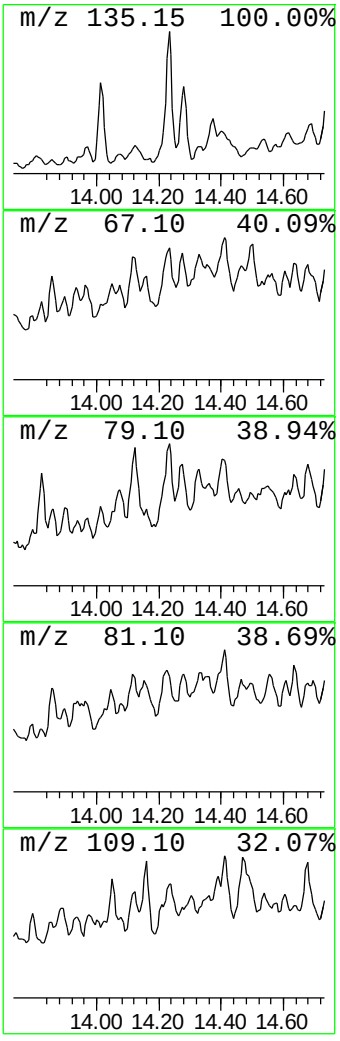
Peak Number 3 unknown14.23 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	163.18 ug/l	767228	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane-1-carboxylic acid	180	C11H16O2	000828-51-3	46
2	Tricyclo[3.3.1.1<3,7>]decane, 2-...	164	C12H20	014451-87-7	43
3	1-(Adamantyl-1) propanol-1	194	C13H22O	018341-84-9	38
4	N-[1-Adamantyl]aziridine	177	C12H19N	1000256-62-9	38
5	2-Iodoadamantane	262	C10H15I	018971-91-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

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

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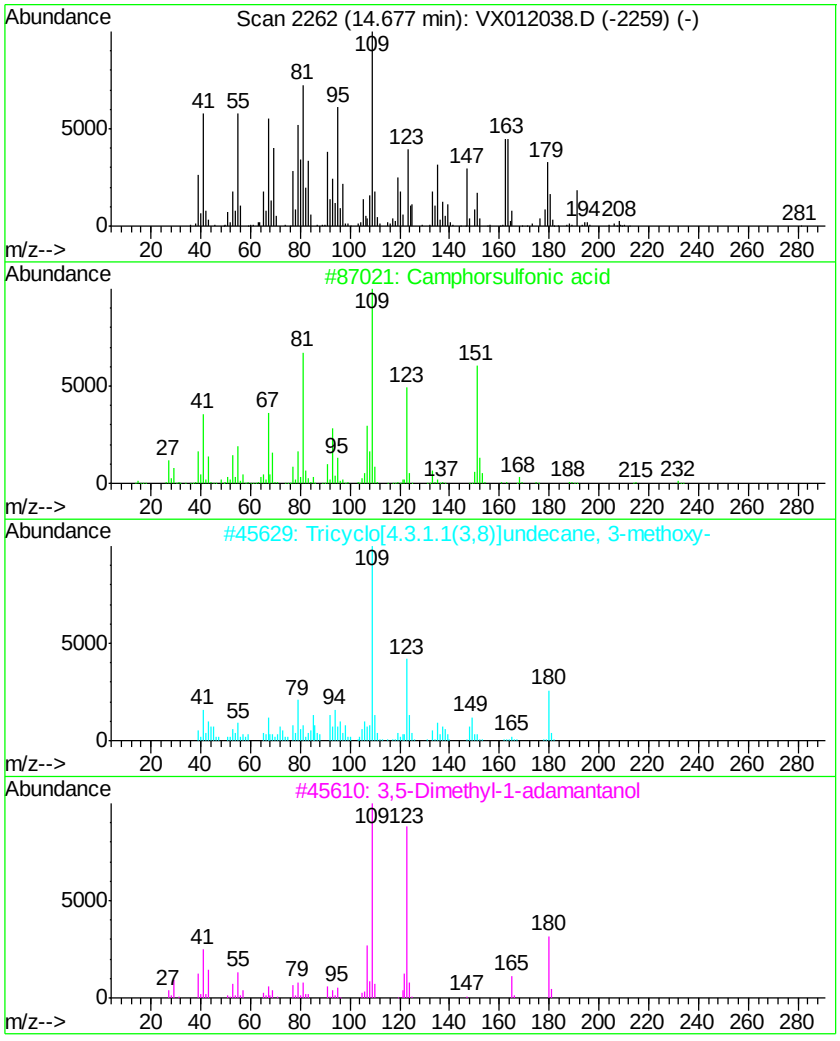
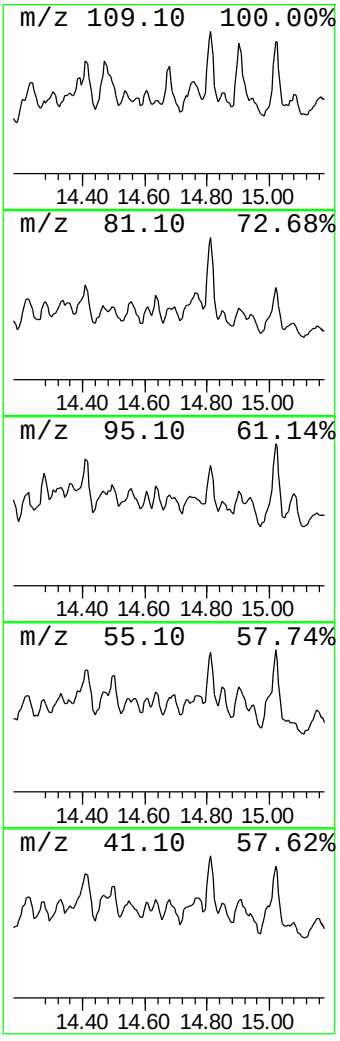
Peak Number 4 unknown14.68 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	125.46 ug/l	589890	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphorsulfonic acid	232	C10H16O4S	003144-16-9	22
2	Tricyclo[4.3.1.1(3,8)]undecane, ...	180	C12H20O	021898-92-0	22
3	3,5-Dimethyl-1-adamantanol	180	C12H20O	000707-37-9	22
4	Silane, tetra-2-propenyl-	192	C12H20Si	001112-66-9	22
5	4-Pentyloxyaniline	179	C11H17NO	039905-50-5	18





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

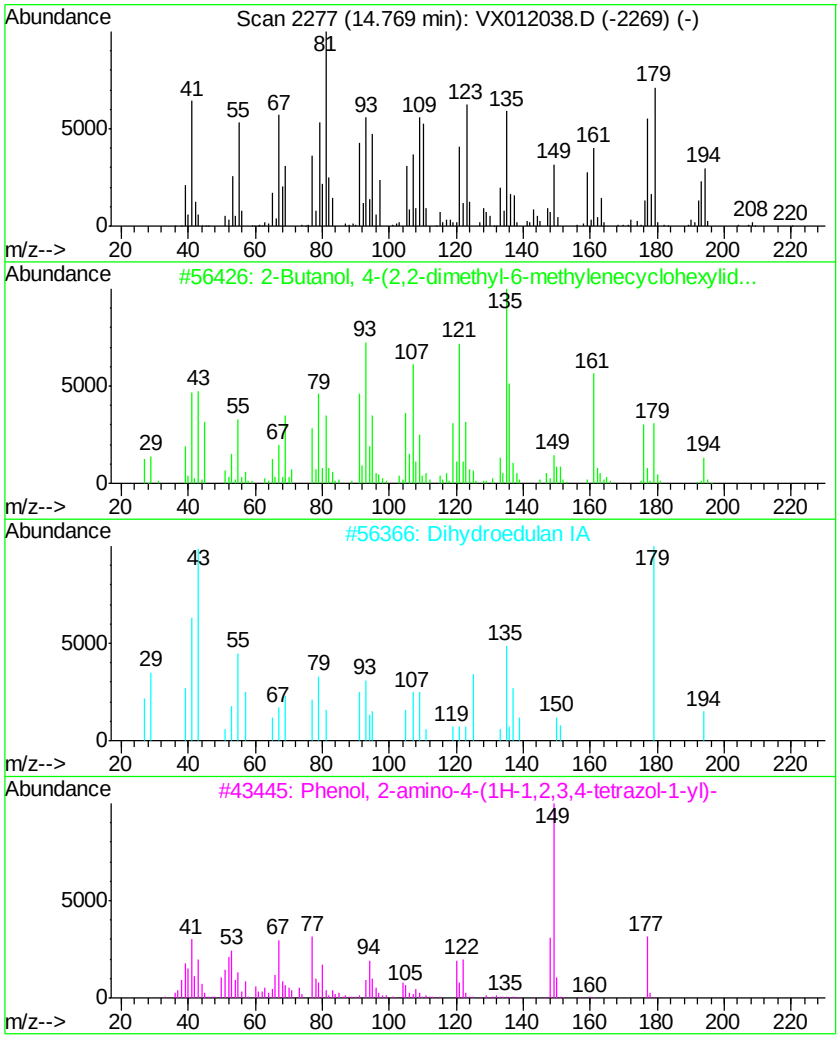
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

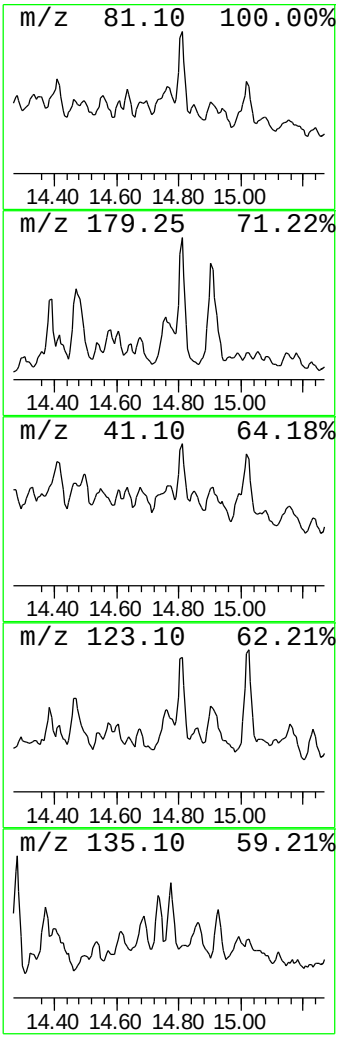
****

Peak Number 5 unknown14.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	239.56 ug/l	1126370	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 4-(2,2-dimethyl-6-met...	194	C13H22O	068238-73-3	27
2	Dihydroedulan IA	194	C13H22O	074006-61-4	15
3	Phenol, 2-amino-4-(1H-1,2,3,4-te...	177	C7H7N5O	1000362-63-1	15
4	Perhydrophenanthrene, (4a.alpha....	192	C14H24	002108-89-6	15
5	N,N-Diethyl-p-nitroaniline	194	C10H14N2O2	002216-15-1	11





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

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

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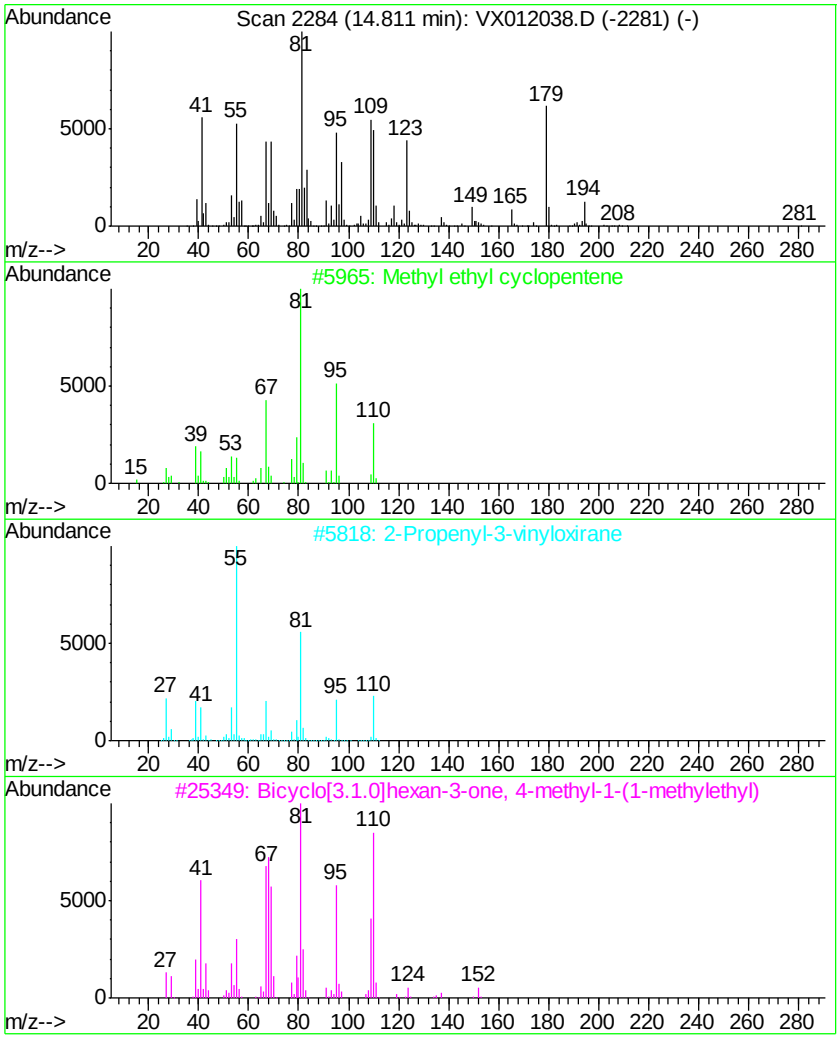
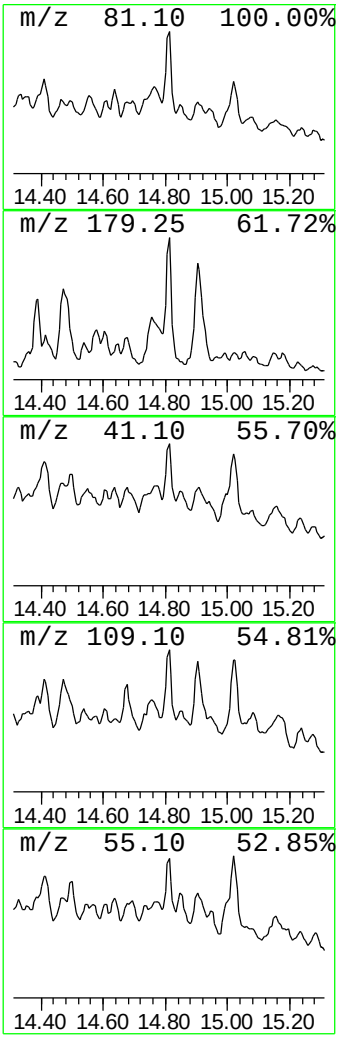
Peak Number 6 unknown14.81 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	154.73 ug/l	727516	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	49
2	2-Propenyl-3-vinyloxirane	110	C7H10O	070597-49-8	43
3	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	001125-12-8	37
4	3-Heptyne, 5-methyl-	110	C8H14	061228-09-9	37
5	Cyclopentane, 1-isobutylidene-3-...	138	C10H18	1000150-62-1	37





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ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

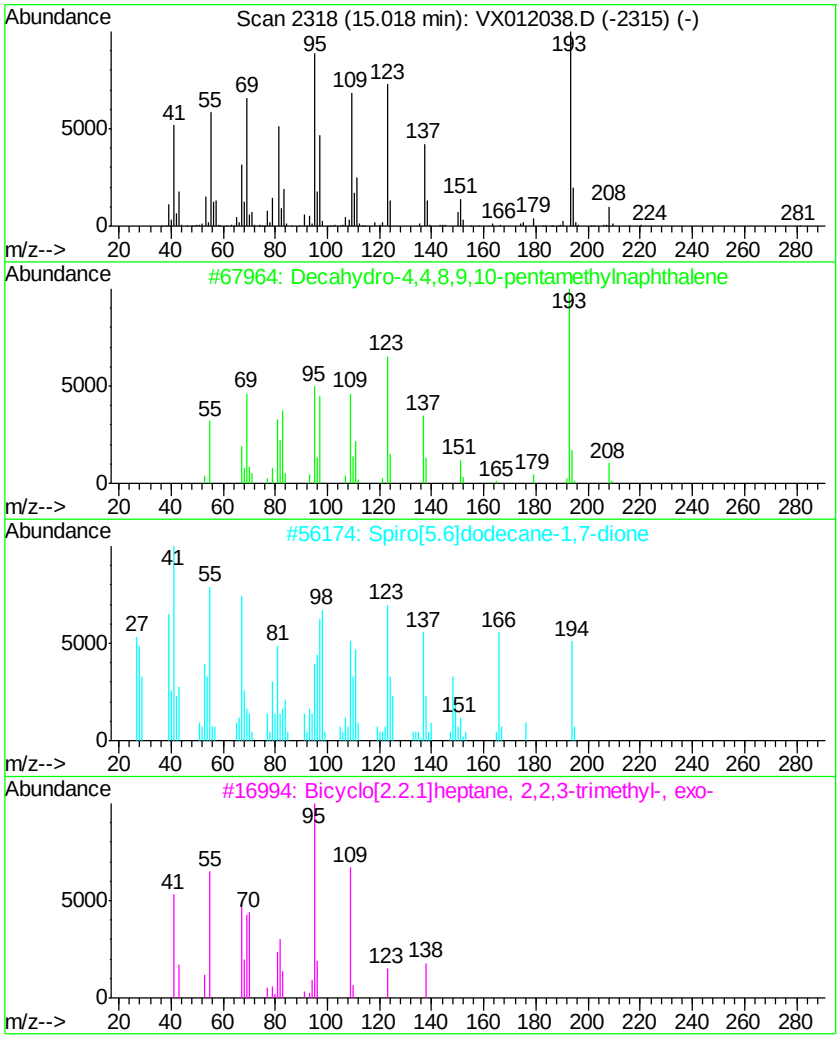
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

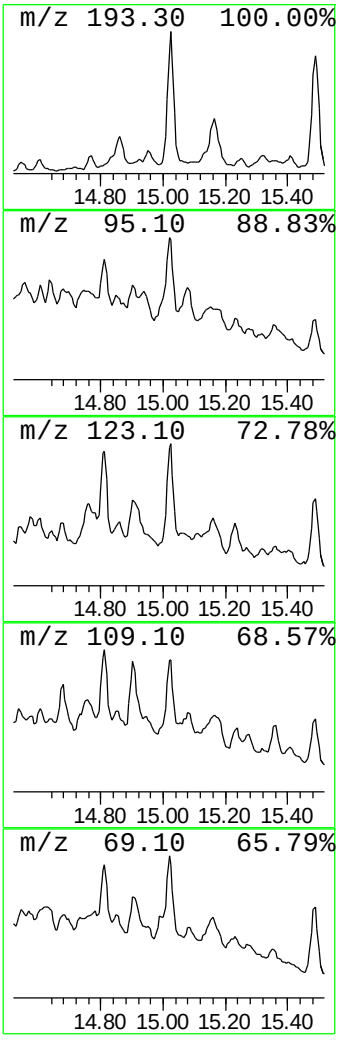
****

Peak Number 7 Decahydro-4,4,8,9,10-pentam... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	222.94 ug/l	1048220	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	93
2	Spiro[5.6]dodecane-1,7-dione	194	C12H18O2	050803-80-0	38
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	30
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	22
5	Hexahydroindole	123	C8H13N	018159-32-5	20





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

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

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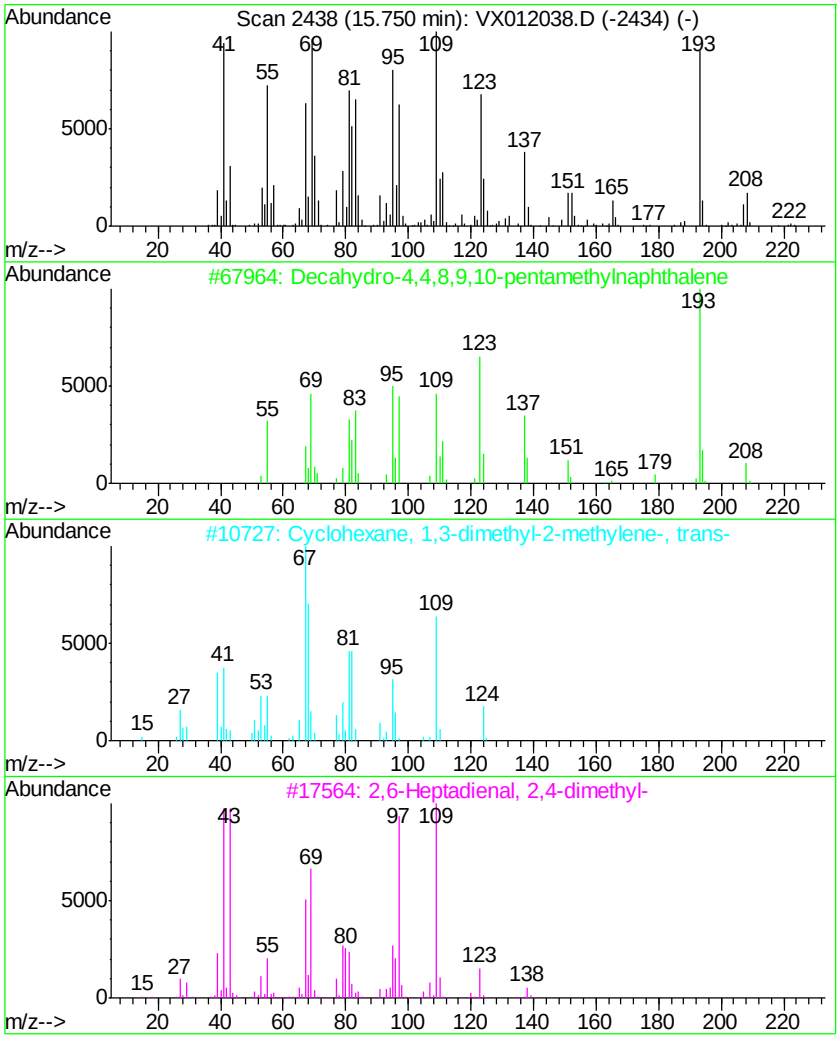
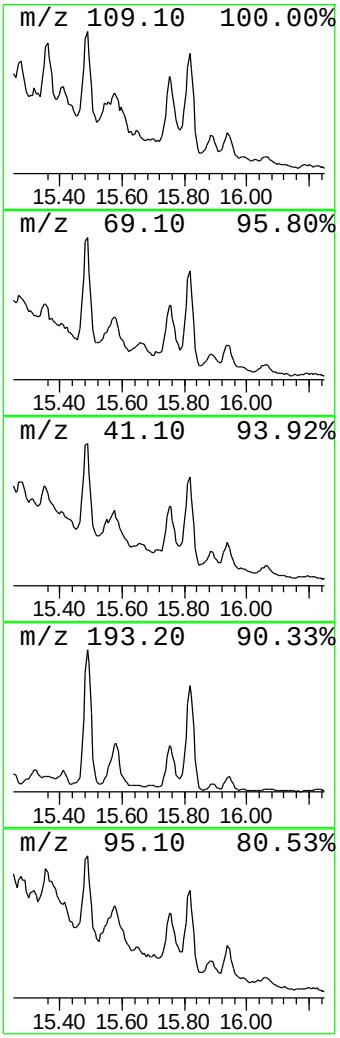
Peak Number 9 unknown15.75 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	114.52 ug/l	538435	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	38
2	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	35
3	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	30
4	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	069147-03-1	30
5	6-Acetamido-1,4-benzodioxane	193	C10H11NO3	063546-19-0	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260

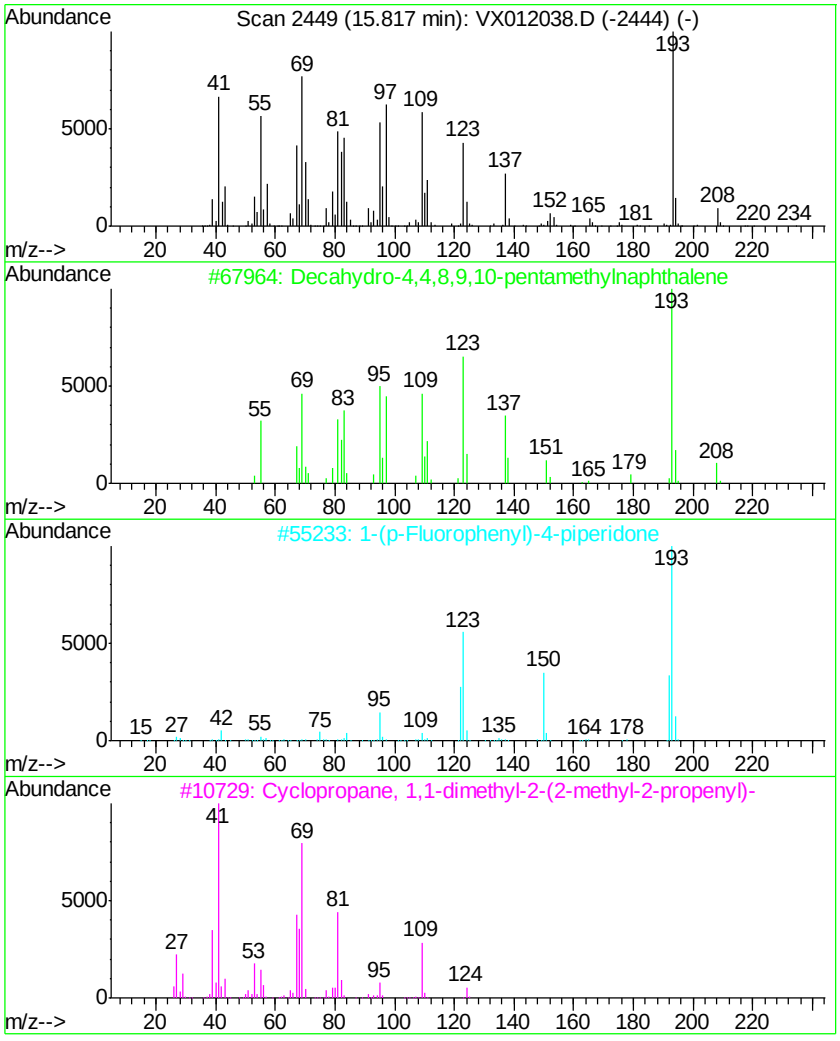
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

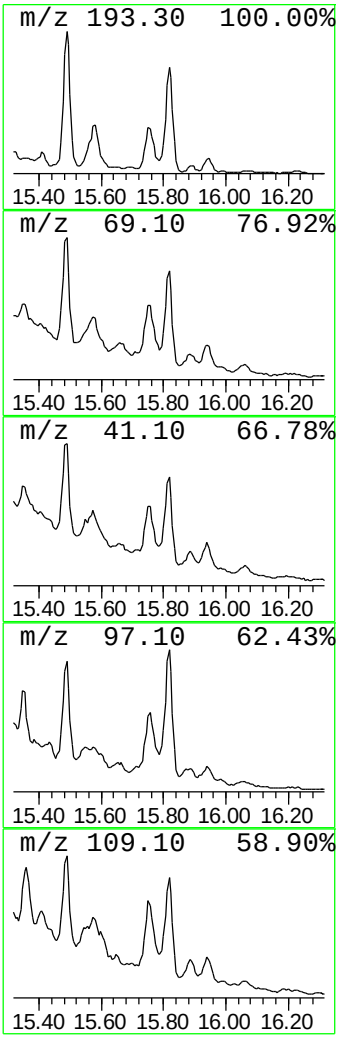
****

Peak Number 10 unknown15.82 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	194.66 ug/l	915249	1,4-Dichlorobenzene-d4	12.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	45
2	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	27
3	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	069147-03-1	25
4	1-(2-Furyl)-4,4,4-trifluoro-1,3-...	206	C8H5F3O3	000326-90-9	22
5	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012038.D
Acq On : 03 Sep 2019 22:42
Operator : SY/SP
Sample : K4546-07
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : T3-S-C4-(0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.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
Spiro[5.6]dodecane	13.46	125.9	ug/l	591947	4	12.07	235092	50.0
unknown14.12	14.12	165.8	ug/l	779504	4	12.07	235092	50.0
unknown14.23	14.23	163.2	ug/l	767228	4	12.07	235092	50.0
unknown14.68	14.68	125.5	ug/l	589890	4	12.07	235092	50.0
unknown14.77	14.77	239.6	ug/l	1126370	4	12.07	235092	50.0
unknown14.81	14.81	154.7	ug/l	727516	4	12.07	235092	50.0
Decahydro-4,4,8,9...	15.02	222.9	ug/l	1048220	4	12.07	235092	50.0
unknown15.75	15.75	114.5	ug/l	538435	4	12.07	235092	50.0
unknown15.82	15.82	194.7	ug/l	915249	4	12.07	235092	50.0