LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

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\82F050619S.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	1.137	55	61	62	rBV4	8768	21410	2.29%	0.519%
2	1.157	62	63	66	rVV3	7894	15401	1.65%	0.373%
3	1.265	70	74	75	rVV2	8557	17019	1.82%	0.412%
4	1.305	76	78	80	rVV3	5543	11117	1.19%	0.269%
5	1.364	82	84	85	rVV2	7964	11319	1.21%	0.274%
6	1.413	88	89	92	rVB	9892	9590	1.03%	0.232%
7	2.350	180	184	190	rVB2	17628	49943	5.35%	1.210%
8	2.507	196	200	201	rBV4	6070	12018	1.29%	0.291%
9	3.769	323	328	333	rVB7	4329	13801	1.48%	0.334%
10	4.213	370	373	377	rVV2	3950	11013	1.18%	0.267%
11	4.311	377	383	391	rVV2	42331	142810	15.30%	3.459%
12	4.538	403	406	412	rVB7	3685	12867	1.38%	0.312%
13	4.844	431	437	442	rBV4	7139	18631	2.00%	0.451%
14	5.051	450	458	472	rBV2	272269	933167	100.00%	22.599%
15	5.287	481	482	484	rVV	25899	17470	1.87%	0.423%
16	5.780	527	532	543	rVB	249348	627780	67.27%	15.203%
17	7.712	723	728	734	rVV	239955	573991	61.51%	13.901%
18	7.781	734	735	741	rVB	17122	28252	3.03%	0.684%
19	8.323	785	790	791	rVV3	4438	9496	1.02%	0.230%
20	9.920	946	952	958	rBV	171900	386073	41.37%	9.350%
21	10.265	982	987	994	rVB3	8822	24009	2.57%	0.581%
22	10.393	994	1000	1003	rBV2	47633	87382	9.36%	2.116%
23	10.955	1053	1057	1061	rVV3	15941	30309	3.25%	0.734%
24	11.497	1108	1112	1117	rBV	155967	258419	27.69%	6.258%
25	11.635	1123	1126	1128	rVV2	7207	13583	1.46%	0.329%
26	11.970	1156	1160	1167	rVB7	4298	14518	1.56%	0.352%
27	12.355	1193	1199	1203	rBV4	30117	56069	6.01%	1.358%
28	12.522	1210	1216	1221	rBV8	4173	15643	1.68%	0.379%
29	12.611	1221	1225	1229	rBV	120798	201730	21.62%	4.885%
30	12.897	1250	1254	1256	rBV5	5538	10854	1.16%	0.263%
31	12.986	1259	1263	1268	rBV6	6276	16555	1.77%	0.401%
32	13.153	1278	1280	1283	rBV2	7553	11180	1.20%	0.271%
33	13.331	1292	1298	1301	rVB2	9112	20355	2.18%	0.493%
34	13.754	1336	1341	1344	rBV7	8709	16253	1.74%	0.394%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

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\82F050619S.M
Title : SW846 8260

35	13.922	1353	1358	1360	rBV6	9366	23984	2.57%	0.581%
36	14.188	1381	1385	1388	rBV4	10185	27939	2.99%	0.677%
37	14.257	1388	1392	1397	rVB7	10028	25561	2.74%	0.619%
38	14.405	1405	1407	1410	rBV3	4919	10533	1.13%	0.255%
39	14.504	1414	1417	1423	rVB5	17032	41986	4.50%	1.017%
40	14.592	1423	1426	1428	rBV4	7488	13380	1.43%	0.324%
41	14.642	1428	1431	1433	rVB2	14983	21179	2.27%	0.513%
42	14.770	1441	1444	1447	rBV4	14137	19432	2.08%	0.471%
43	14.898	1454	1457	1459	rBV4	7853	15258	1.64%	0.370%
44	15.026	1467	1470	1473	rBV2	20318	34590	3.71%	0.838%
45	15.144	1479	1482	1484	rBV2	18295	28950	3.10%	0.701%
46	15.312	1493	1499	1501	rBV7	11228	32052	3.43%	0.776%
47	15.371	1501	1505	1508	rVV5	14488	37641	4.03%	0.912%
48	15.440	1508	1512	1514	rVB4	11019	24699	2.65%	0.598%
49	15.677	1530	1536	1540	rBV2	16822	42489	4.55%	1.029%
50	15.736	1540	1542	1546	rVB5	4600	9845	1.06%	0.238%
51	15.854	1550	1554	1557	rBV4	8584	19656	2.11%	0.476%

Sum of corrected areas: 4129201

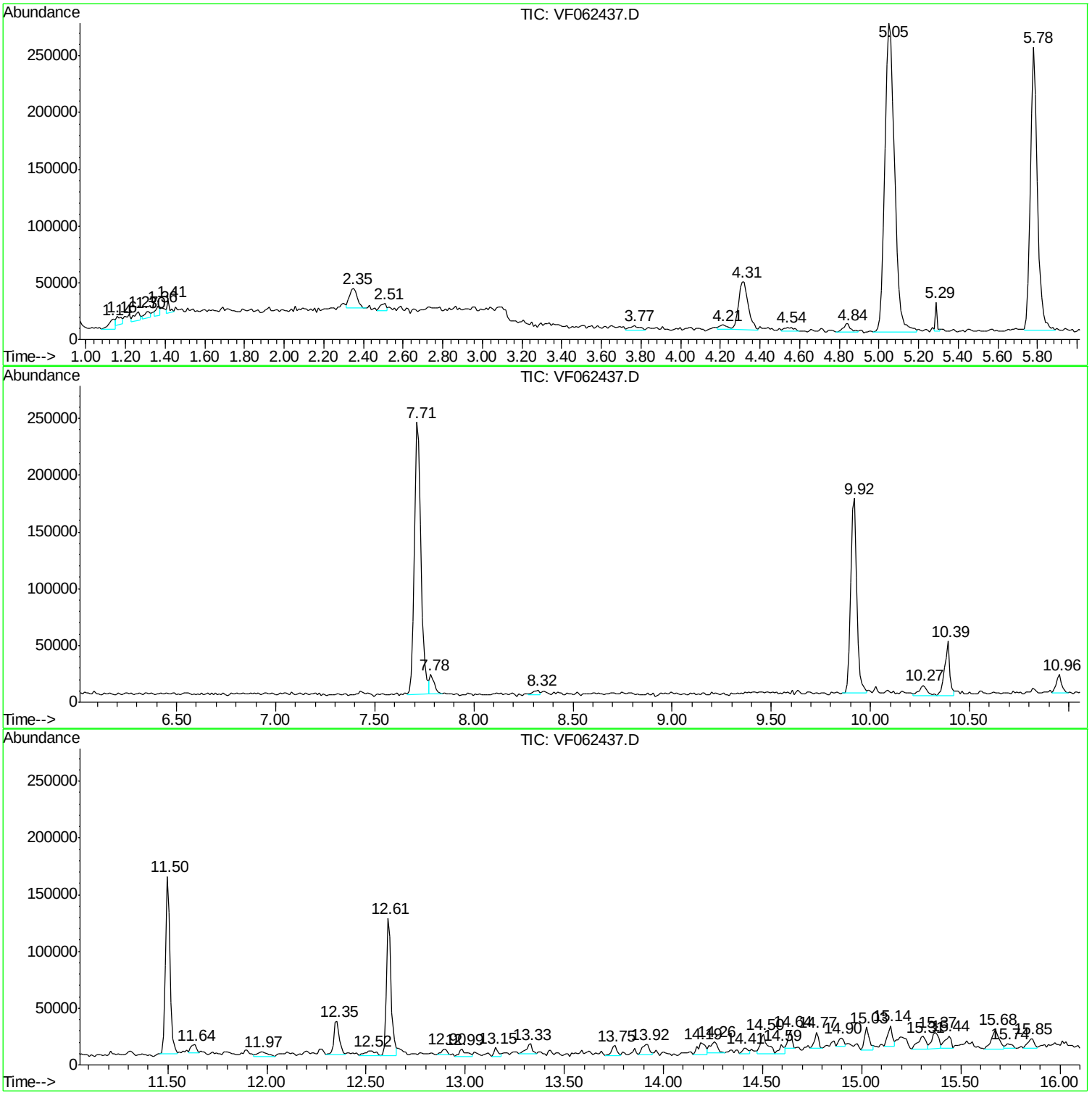
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.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 F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

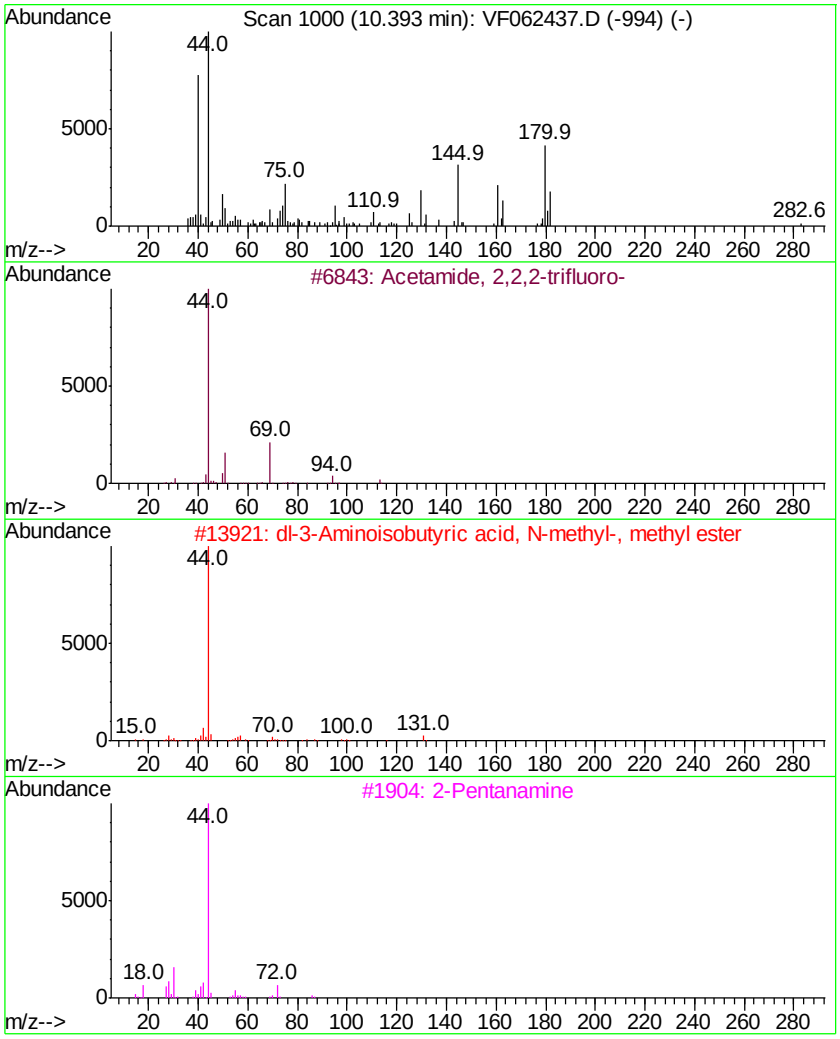
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

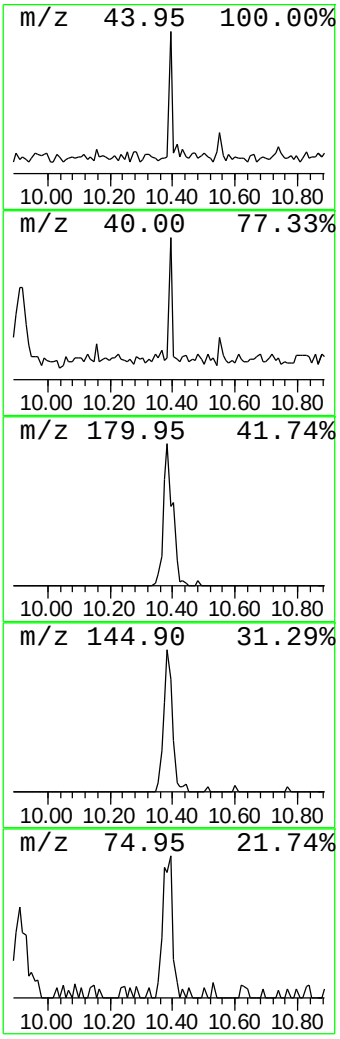
****

Peak Number 1 unknown10.39 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	11.32 ug/l	87382	Chlorobenzene-d5	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, 2,2,2-trifluoro-	113	C2H2F3NO	000354-38-1	22
2	dl-3-Aminoisobutyric acid, N-met...	131	C6H13NO2	1000332-87-9	12
3	2-Pentanamine	87	C5H13N	063493-28-7	12
4	Ala-.beta.-Ala, trimethylsilyl e...	232	C9H20N2O3Si	1000333-69-0	12
5	l-Alanyl-l-alanyl-l-alanine meth...	245	C10H19N3O4	030802-27-8	12





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

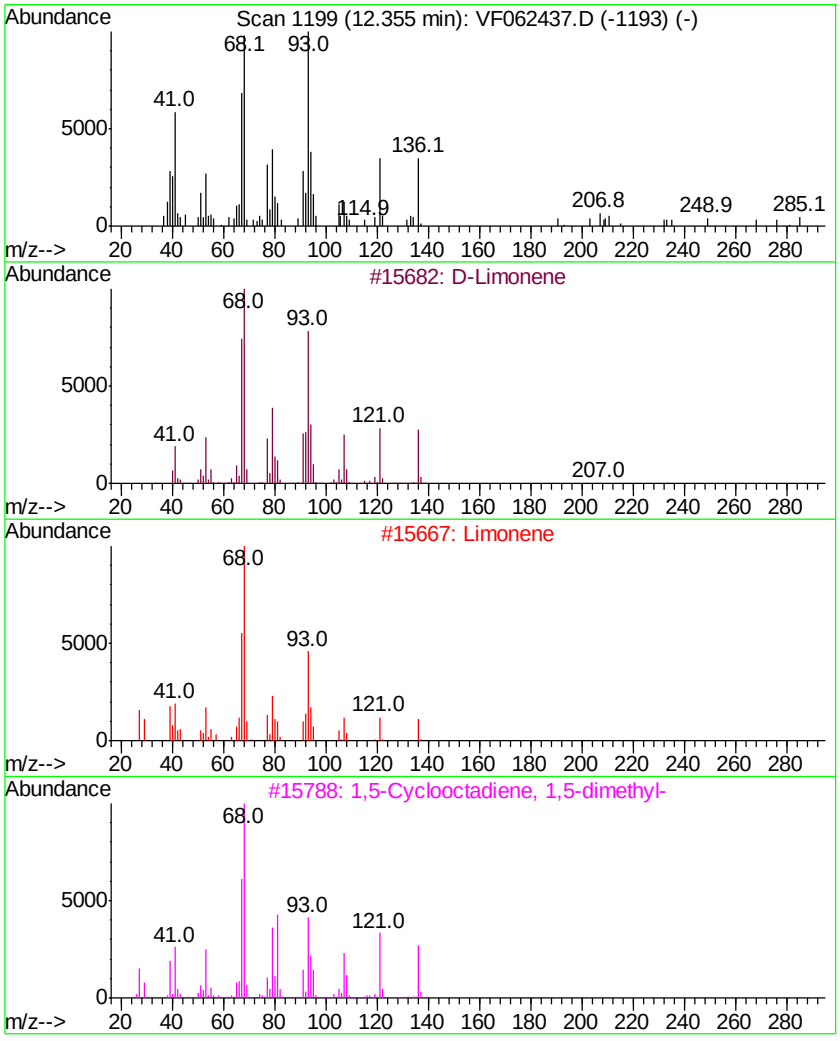
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

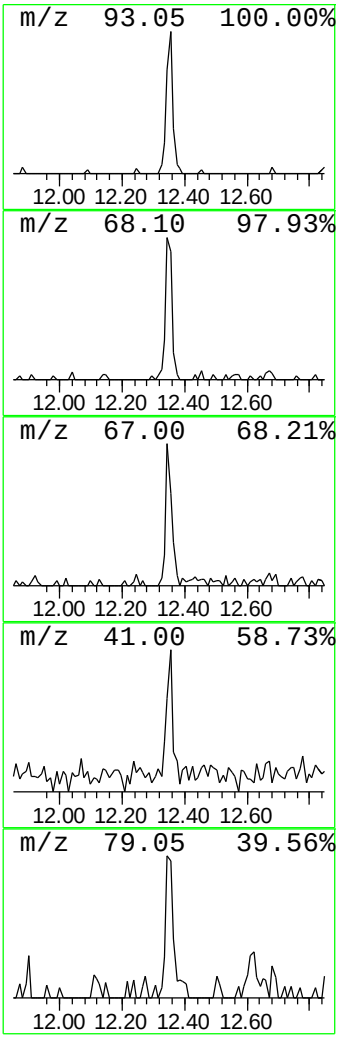
****

Peak Number 2 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	13.90 ug/l	56069	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	90
2	Limonene	136	C10H16	000138-86-3	90
3	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	64
4	Isobenzofuran-1(3H)-one, 3-(3-fu...	232	C14H16O3	1000260-36-9	60
5	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	001461-27-4	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

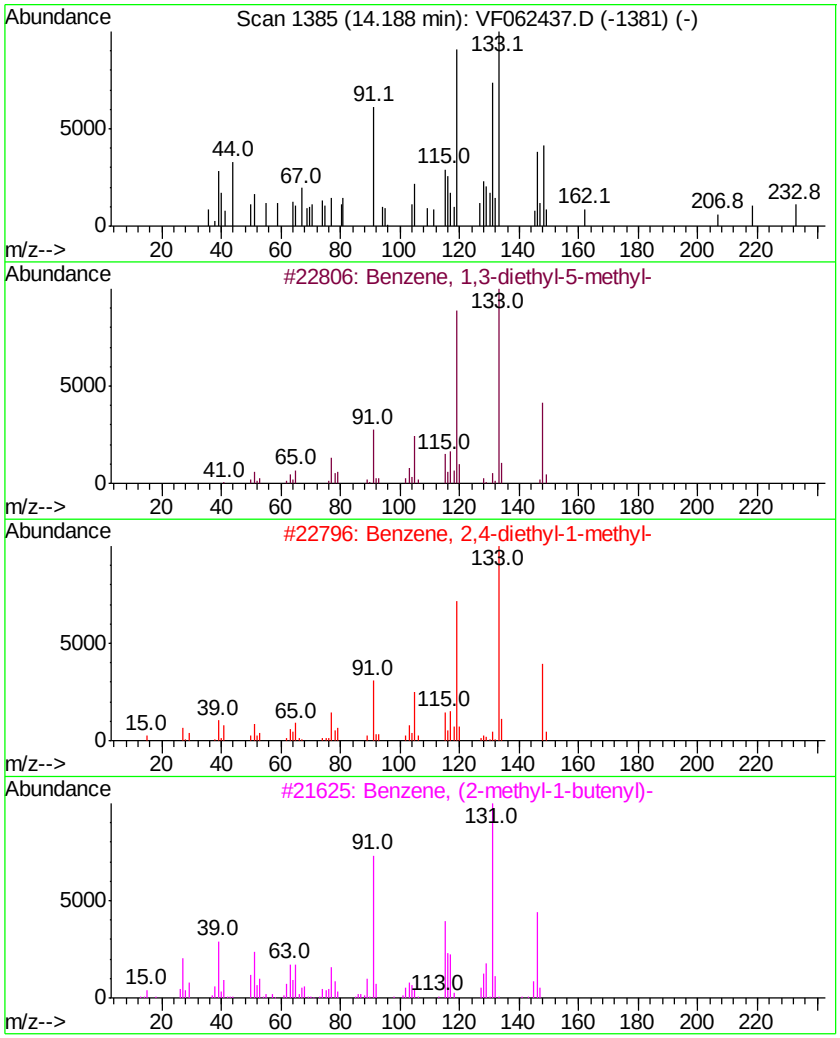
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

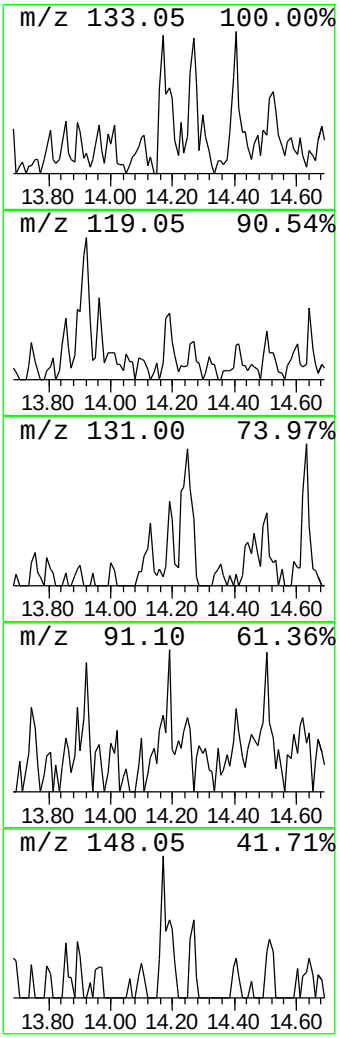
****

Peak Number 3 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	6.92 ug/l	27939	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	50
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	38
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	38
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062437.D
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Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

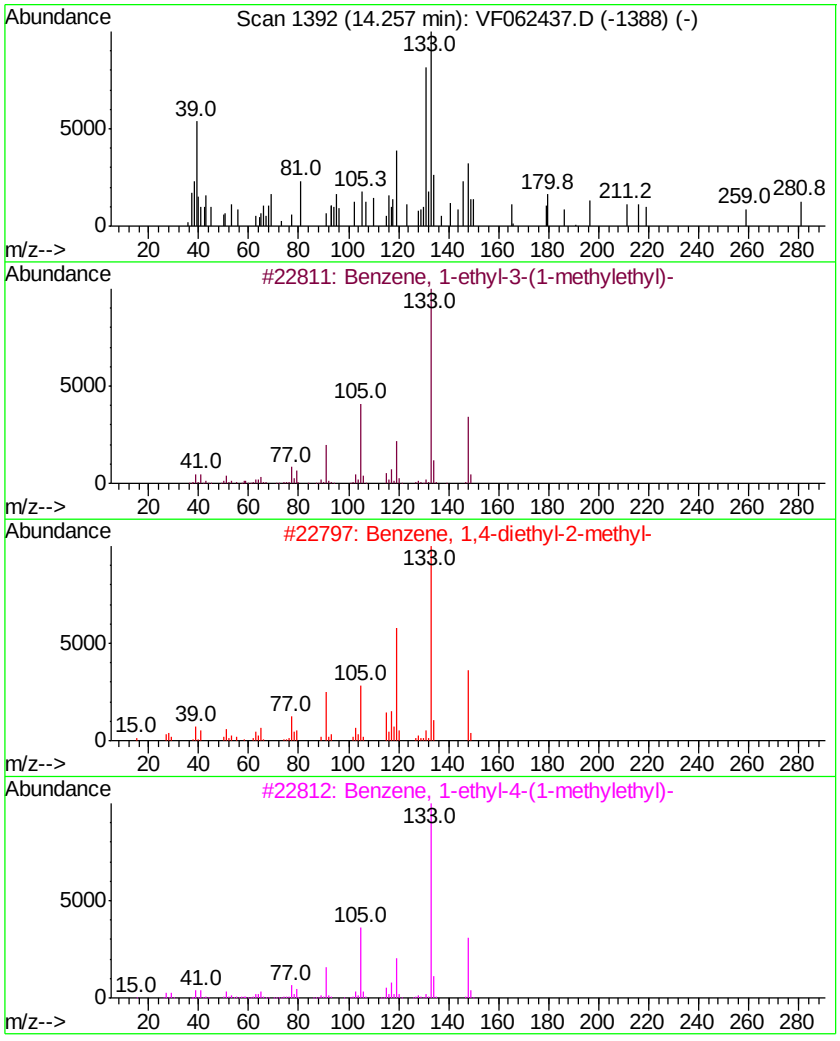
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

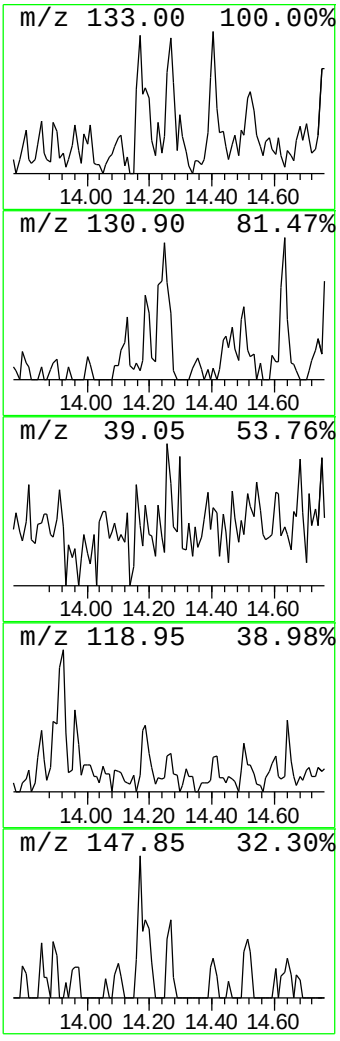
****

Peak Number 4 unknown14.26 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	6.34 ug/l	25561	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	25
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	22
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	18
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	14
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	11





Library Search Compound Report

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Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

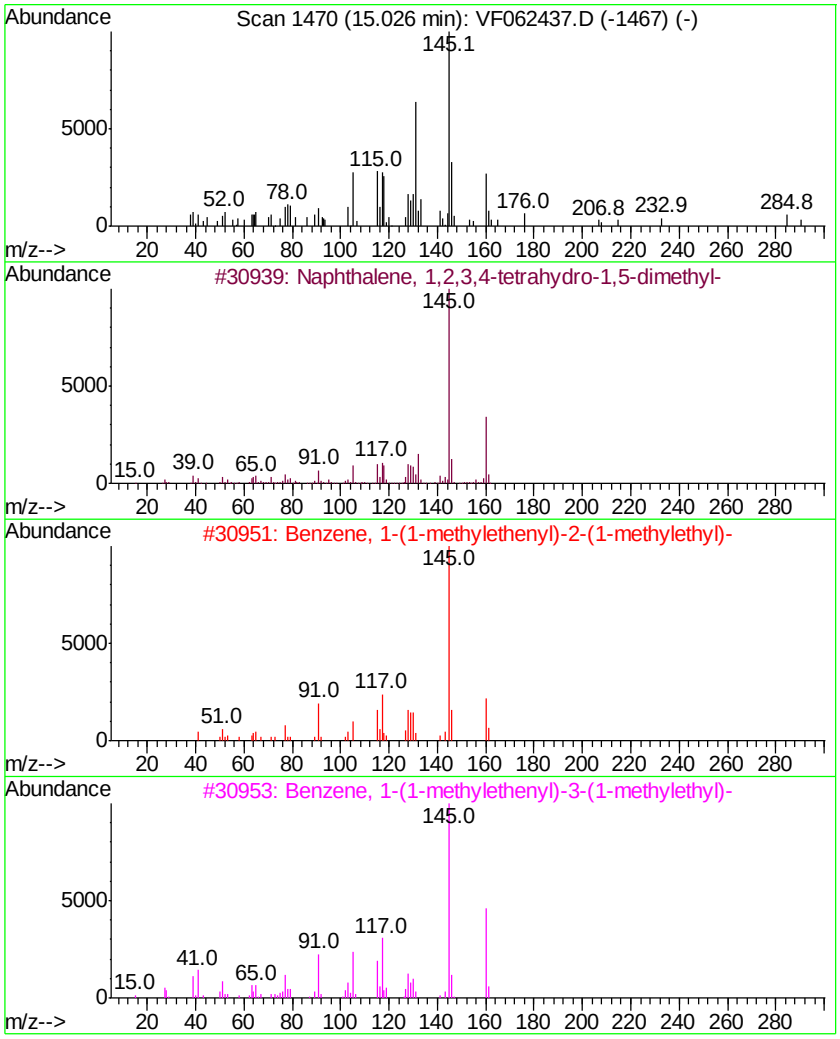
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

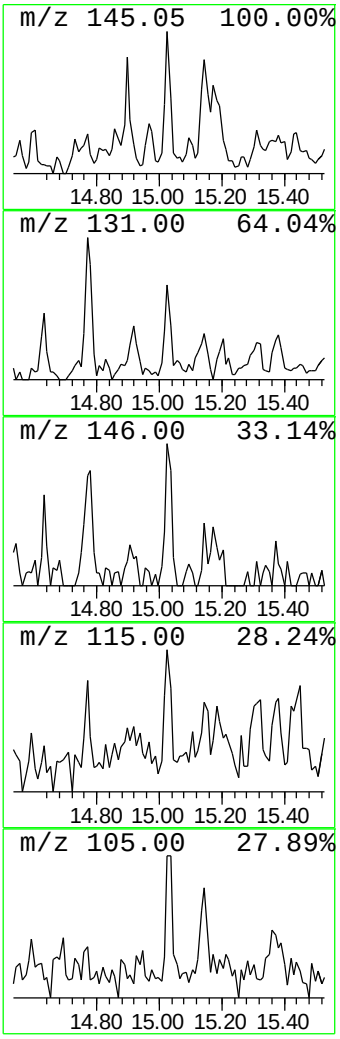
****

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	8.57 ug/l	34590	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	76
2	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	64
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64
4	1H-Pyrrolo[2,3-b]pyridine, 2-ethyl-	146	C9H10N2	023612-49-9	53
5	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	52





Library Search Compound Report

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Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

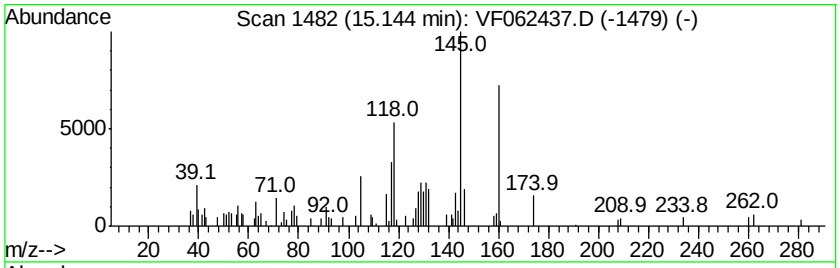
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

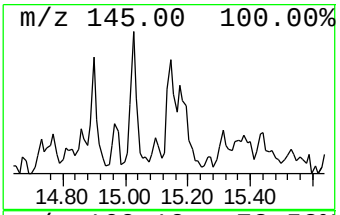
****

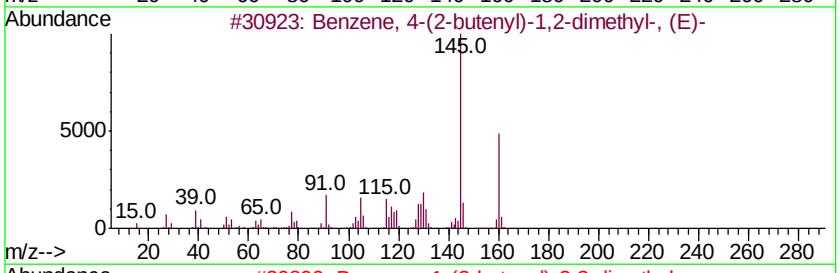
Peak Number 6 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 7

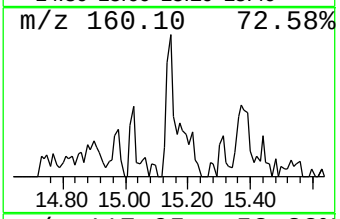
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	7.18 ug/l	28950	1,4-Dichlorobenzene-d4	12.61

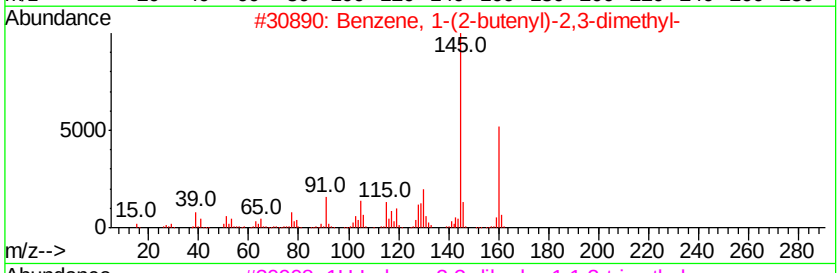
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	76
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	58
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	58
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	58
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	53

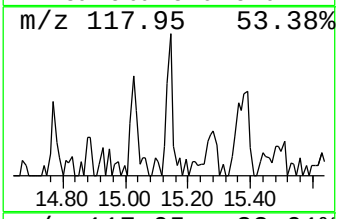


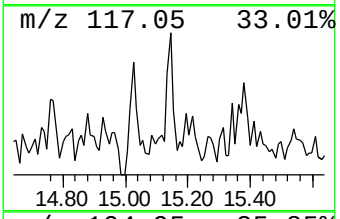


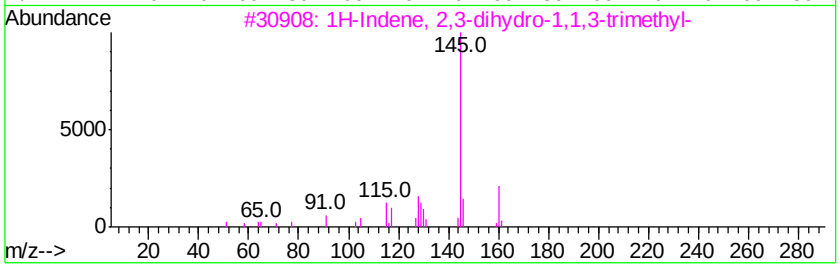


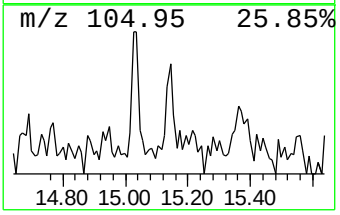












Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

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

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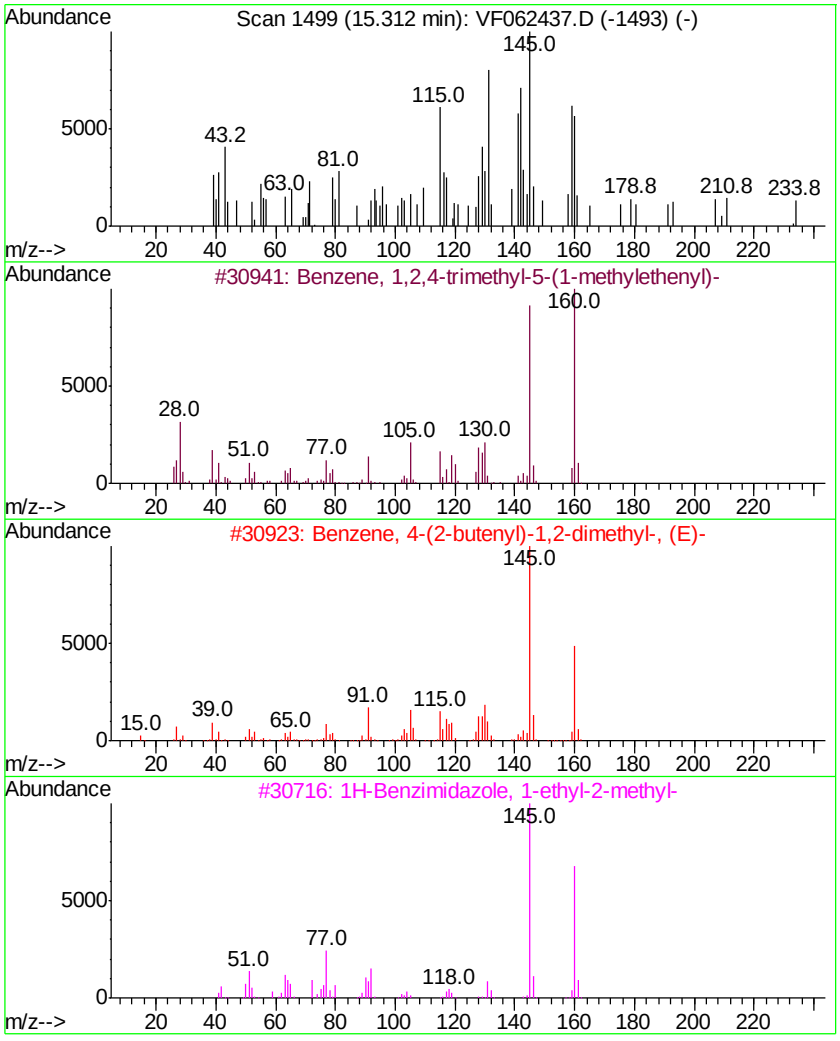
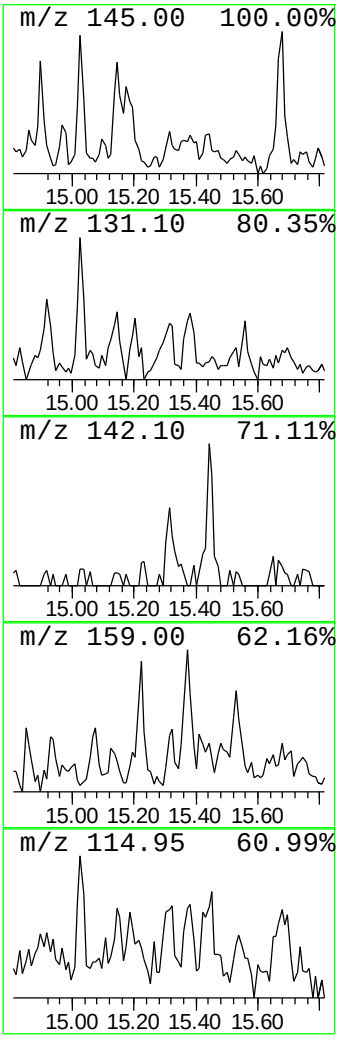
Peak Number 7 unknown15.31 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	7.94 ug/l	32052	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	30
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	30
3	1H-Benzimidazole, 1-ethyl-2-methyl-	160	C10H12N2	005805-76-5	22
4	2-Naphthylamine, N-hexyl-1,2,3,4...	231	C16H25N	023853-49-8	22
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

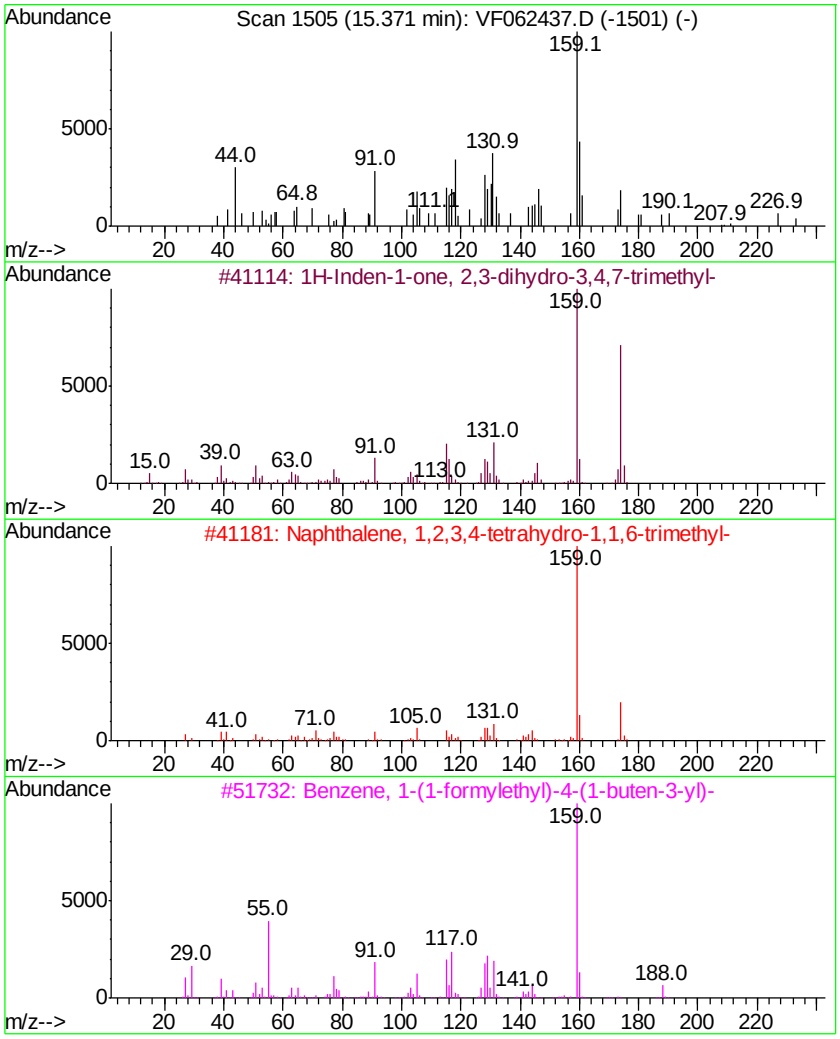
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

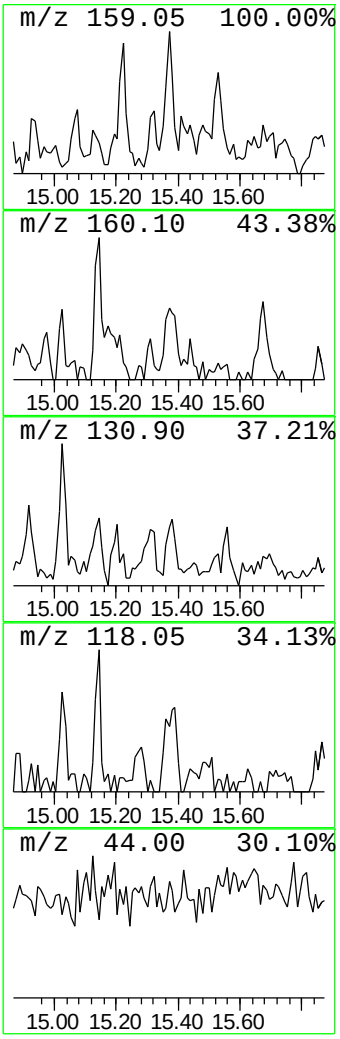
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	9.33 ug/l	37641	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	53
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	49
3	Benzene, 1-(1-formylethyl)-4-(1-...	188	C13H16O	1000161-46-6	46
4	Ethanone, 1-[4-(1-methyl-2-prope...	174	C12H14O	109586-49-4	43
5	2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

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

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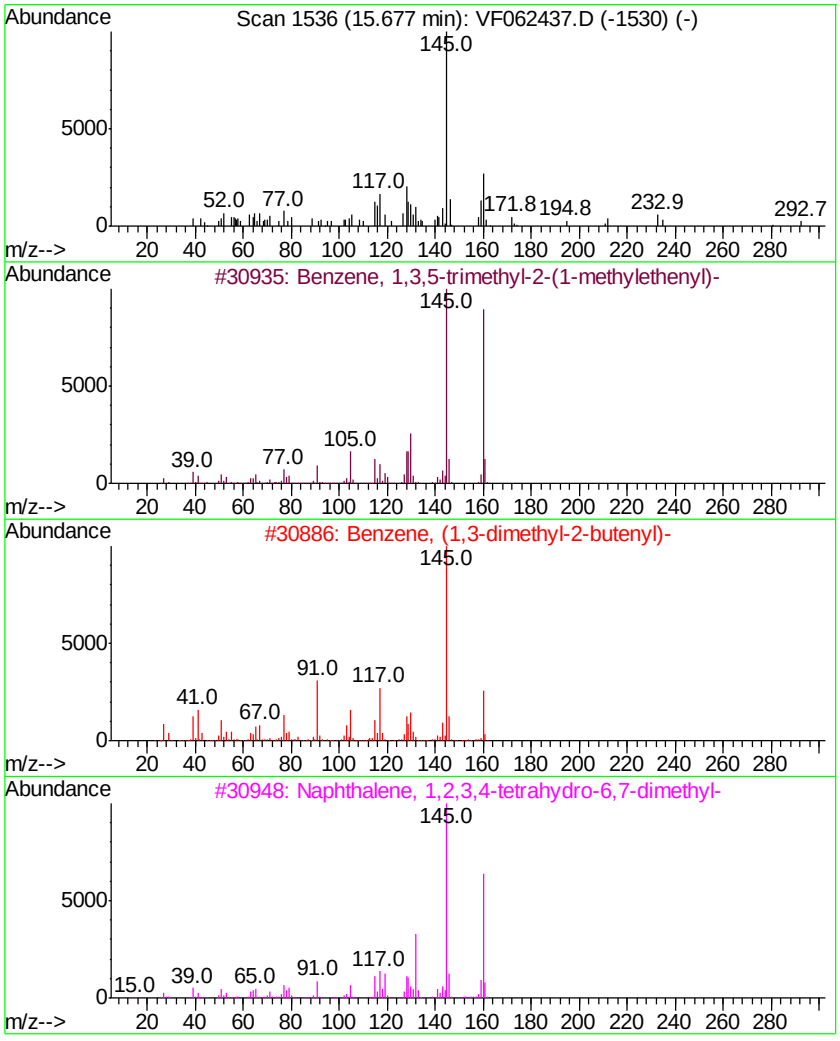
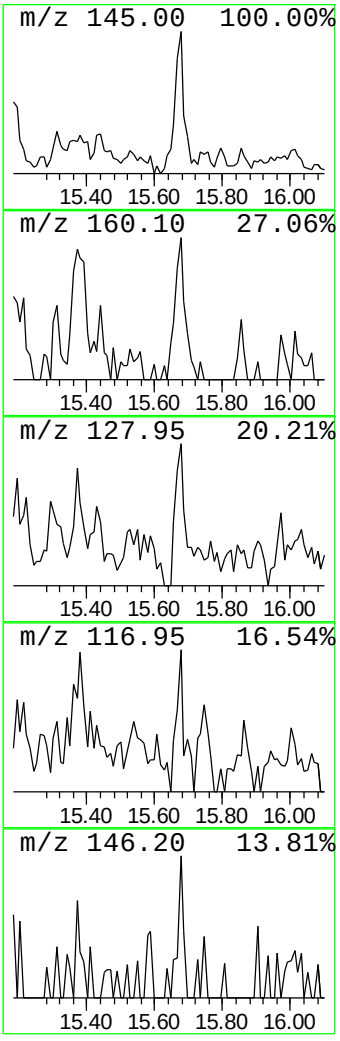
Peak Number 10 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	10.53 ug/l	42489	1,4-Dichlorobenzene-d4	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	81
2	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	76
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	76
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	76
5	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051019\
Data File : VF062437.D
Acq On : 11 May 2019 00:26
Operator : FY/SY
Sample : K2729-03
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : B-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.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
unknown10.39	10.39	11.3	ug/l	87382	3	9.92	386073	50.0
D-Limonene	12.35	13.9	ug/l	56069	4	12.61	201730	50.0
Benzene, 1,3-diet...	14.19	6.9	ug/l	27939	4	12.61	201730	50.0
unknown14.26	14.26	6.3	ug/l	25561	4	12.61	201730	50.0
Naphthalene, 1,2,...	15.03	8.6	ug/l	34590	4	12.61	201730	50.0
Benzene, 4-(2-but...	15.14	7.2	ug/l	28950	4	12.61	201730	50.0
unknown15.31	15.31	7.9	ug/l	32052	4	12.61	201730	50.0
1H-Inden-1-one, 2...	15.37	9.3	ug/l	37641	4	12.61	201730	50.0
Benzene, 1,3,5-tr...	15.68	10.5	ug/l	42489	4	12.61	201730	50.0