LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

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\82N062918W.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	1.654	3	20	125	rBV2	18324204	131054669	63.45%	13.146%
2	2.179	176	183	205	rVB	2648391	4055821	1.96%	0.407%
3	2.799	361	376	415	rVB	29906784	61514421	29.78%	6.170%
4	3.134	465	480	513	rVV3	4440195	12471491	6.04%	1.251%
5	3.310	514	535	558	rVB	2434237	5632760	2.73%	0.565%
6	3.468	559	584	596	rBV	1260962	3070773	1.49%	0.308%
7	3.555	596	611	644	rVB	4824907	11822886	5.72%	1.186%
8	4.423	837	881	894	rBV4	969902	3385316	1.64%	0.340%
9	4.529	895	914	919	rBV2	2385255	6655672	3.22%	0.668%
10	5.050	1040	1076	1111	rBV2	3042627	10857770	5.26%	1.089%
11	5.378	1150	1178	1210	rBV3	721265	2789306	1.35%	0.280%
12	5.924	1337	1348	1371	rVB	1423690	4306257	2.08%	0.432%
13	6.066	1372	1392	1407	rBV3	917374	2899555	1.40%	0.291%
14	6.371	1468	1487	1512	rVB2	1296397	3871576	1.87%	0.388%
15	6.519	1514	1533	1547	rBV2	761820	2359085	1.14%	0.237%
16	6.625	1548	1566	1584	rBV	3702889	11229773	5.44%	1.126%
17	7.391	1789	1804	1822	rVB2	1548474	4072432	1.97%	0.408%
18	7.596	1849	1868	1874	rBV	1077207	2755224	1.33%	0.276%
19	7.744	1904	1914	1938	rVB3	1350773	3785872	1.83%	0.380%
20	7.876	1938	1955	1970	rBV	866263	2088661	1.01%	0.210%
21	8.043	1987	2007	2027	rBV	8823543	21291341	10.31%	2.136%
22	8.210	2028	2059	2079	rBV	3979464	14311444	6.93%	1.436%
23	8.587	2158	2176	2199	rBV3	3858373	9848157	4.77%	0.988%
24	9.085	2324	2331	2342	rVB3	1325877	2597129	1.26%	0.261%
25	9.522	2455	2467	2484	rVB	2029631	4045701	1.96%	0.406%
26	9.654	2485	2508	2524	rBV2	3336165	8584640	4.16%	0.861%
27	10.095	2632	2645	2652	rBV	4696667	8723043	4.22%	0.875%
28	10.159	2652	2665	2700	rVB3	89282626	206535962	100.00%	20.717%
29	11.410	3038	3054	3073	rBV	3585928	6446283	3.12%	0.647%
30	11.513	3073	3086	3105	rVV	9635278	16468195	7.97%	1.652%
31	11.622	3105	3120	3154	rVB3	60318803	120701074	58.44%	12.107%
32	11.950	3200	3222	3243	rBV2	32632841	54184984	26.24%	5.435%
33	12.252	3304	3316	3338	rBV	1633218	2744871	1.33%	0.275%
34	12.403	3343	3363	3384	rVB	3433830	5824201	2.82%	0.584%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

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\82N062918W.M
Title : SW846 8260

35	12.593	3409	3422	3431	rBV	2802609	4444333	2.15%	0.446%
36	12.657	3431	3442	3448	rVV	19904696	31819423	15.41%	3.192%
37	12.689	3449	3452	3459	rVV	10953382	13786019	6.67%	1.383%
38	12.734	3459	3466	3483	rVB	12639780	19736967	9.56%	1.980%
39	12.895	3502	3516	3532	rVB	8989788	14541181	7.04%	1.459%
40	13.043	3543	3562	3576	rBV2	35278893	55769745	27.00%	5.594%
41	13.349	3646	3657	3659	rBV	4049152	5576767	2.70%	0.559%
42	13.377	3660	3666	3681	rVB	9196254	14513459	7.03%	1.456%
43	13.516	3697	3709	3713	rBV	5748144	8854600	4.29%	0.888%
44	13.545	3714	3718	3725	rVV2	6372070	9323728	4.51%	0.935%
45	13.590	3725	3732	3750	rVB3	5663779	10533949	5.10%	1.057%
46	13.741	3767	3779	3789	rVB2	1268732	2196017	1.06%	0.220%
47	13.808	3789	3800	3804	rBV	2090252	3292601	1.59%	0.330%
48	13.892	3816	3826	3837	rVB	10340715	15640613	7.57%	1.569%
49	14.213	3912	3926	3932	rBV	2534426	3980564	1.93%	0.399%
50	14.252	3932	3938	3947	rVB	1846635	2695544	1.31%	0.270%
51	14.596	4032	4045	4057	rBV3	2588387	5140658	2.49%	0.516%
52	15.139	4203	4214	4228	rVB	1226014	2098843	1.02%	0.211%

Sum of corrected areas: 996931356

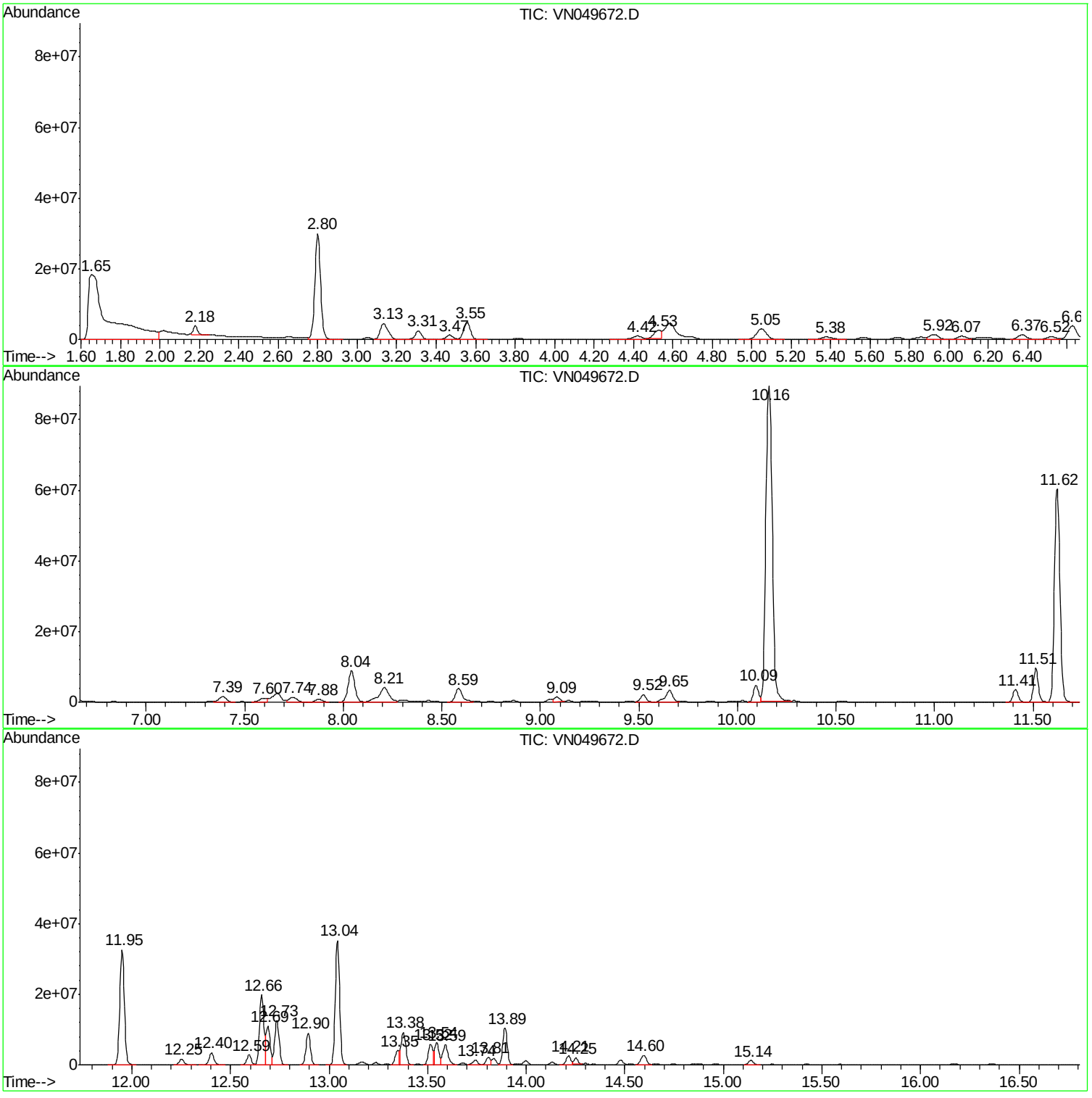
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.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\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

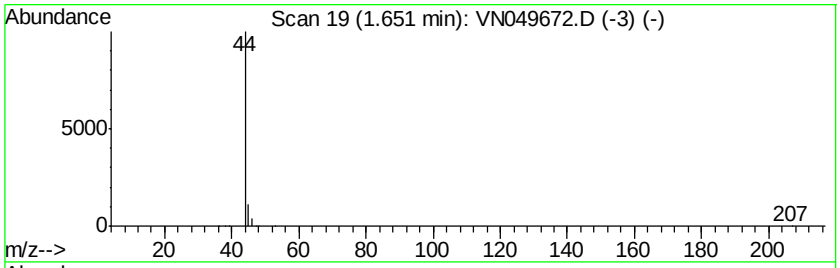
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

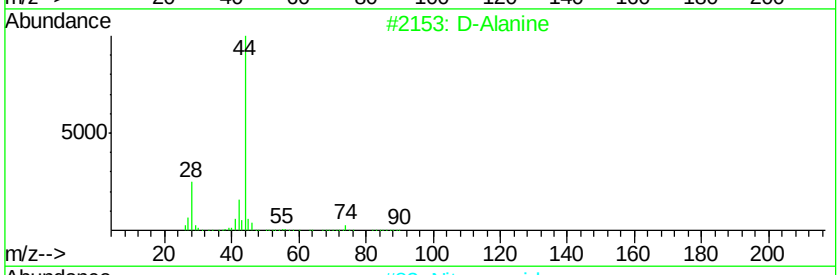
****

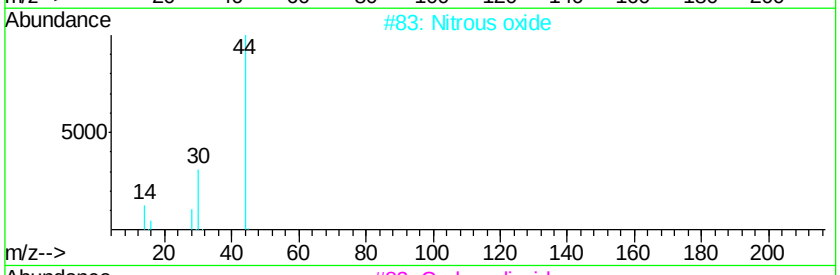
Peak Number 1 unknown1.65 Concentration Rank 1

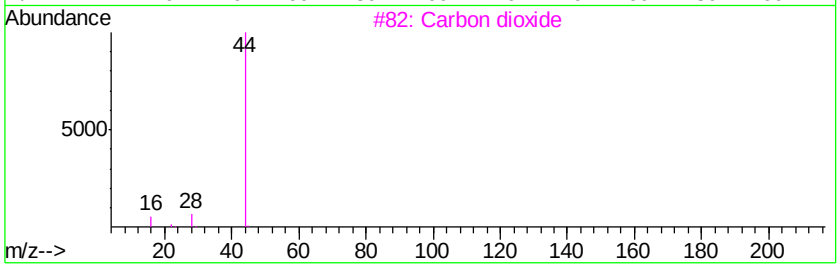
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	2378.29 ug/l	131055000	Pentafluorobenzene	7.67

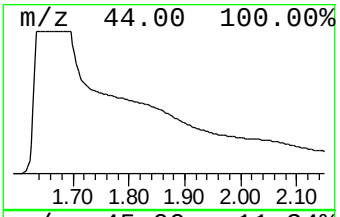
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Alanine	89	C3H7NO2	000338-69-2	2
2	Nitrous oxide	44	N2O	010024-97-2	2
3	Carbon dioxide	44	CO2	000124-38-9	2
4	Alanine	89	C3H7NO2	000056-41-7	2
5	Ethyne, fluoro-	44	C2HF	002713-09-9	2

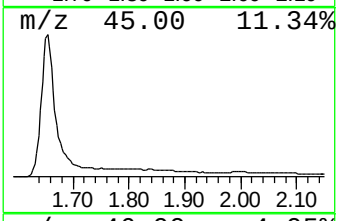


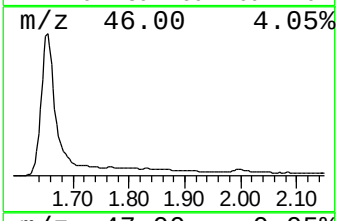


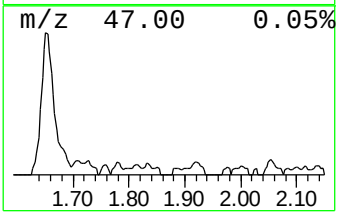












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

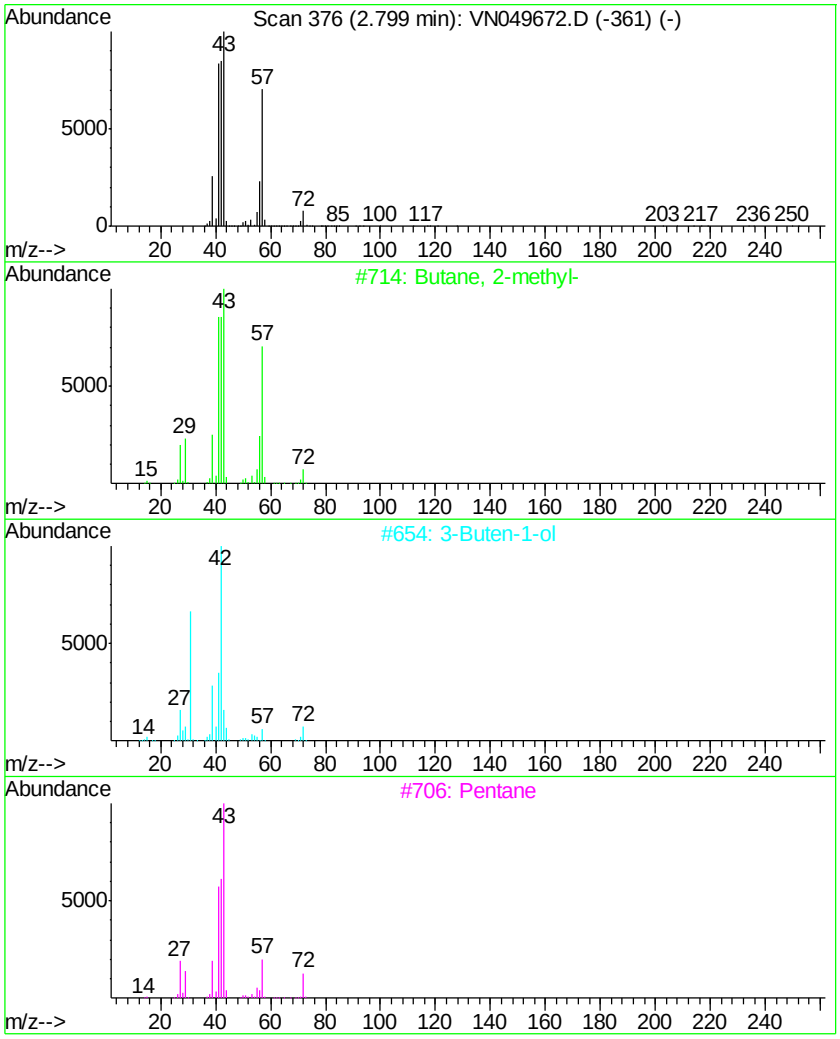
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

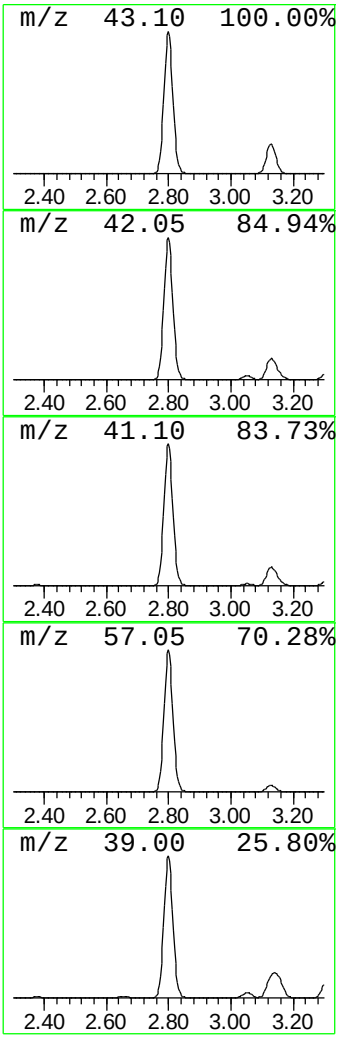
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.80	1116.32 ug/l	61514400	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	36
4	1-Butene	56	C4H8	000106-98-9	10
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

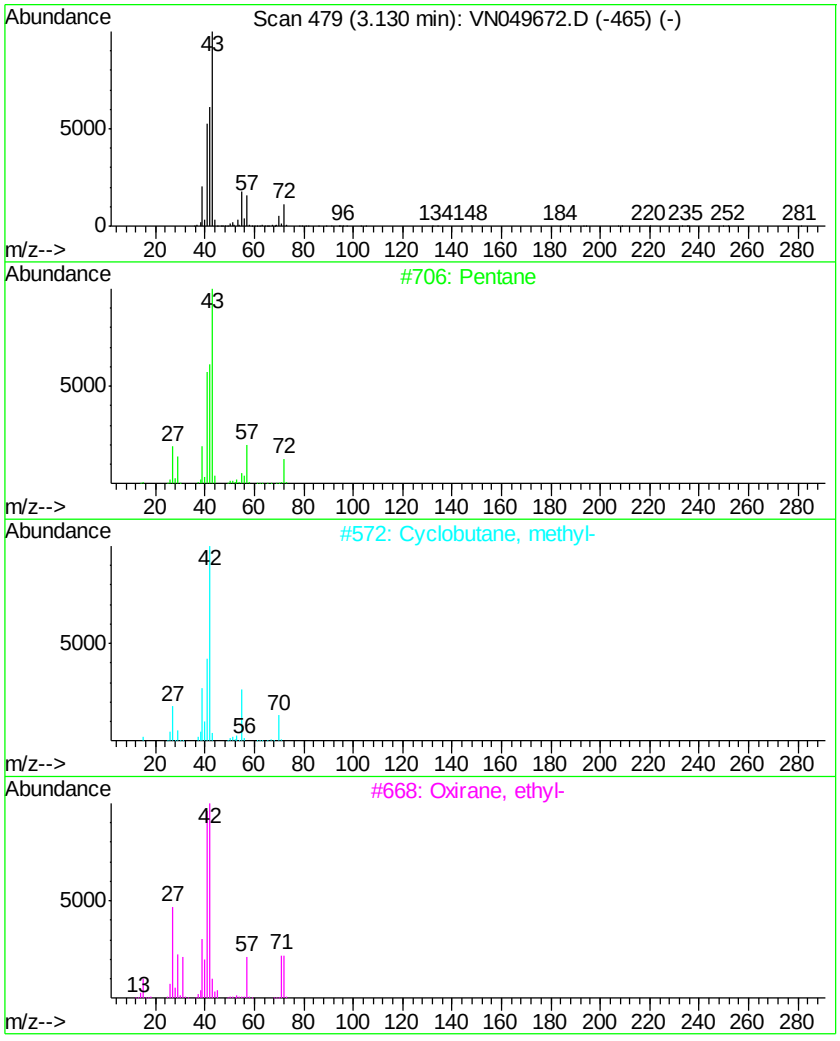
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

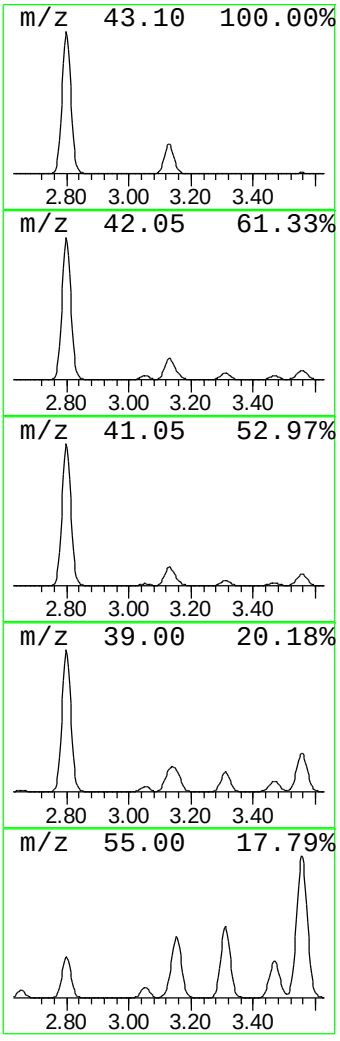
****

Peak Number 3 Pentane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	226.32 ug/l	12471500	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	43
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	38
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	25
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	23





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

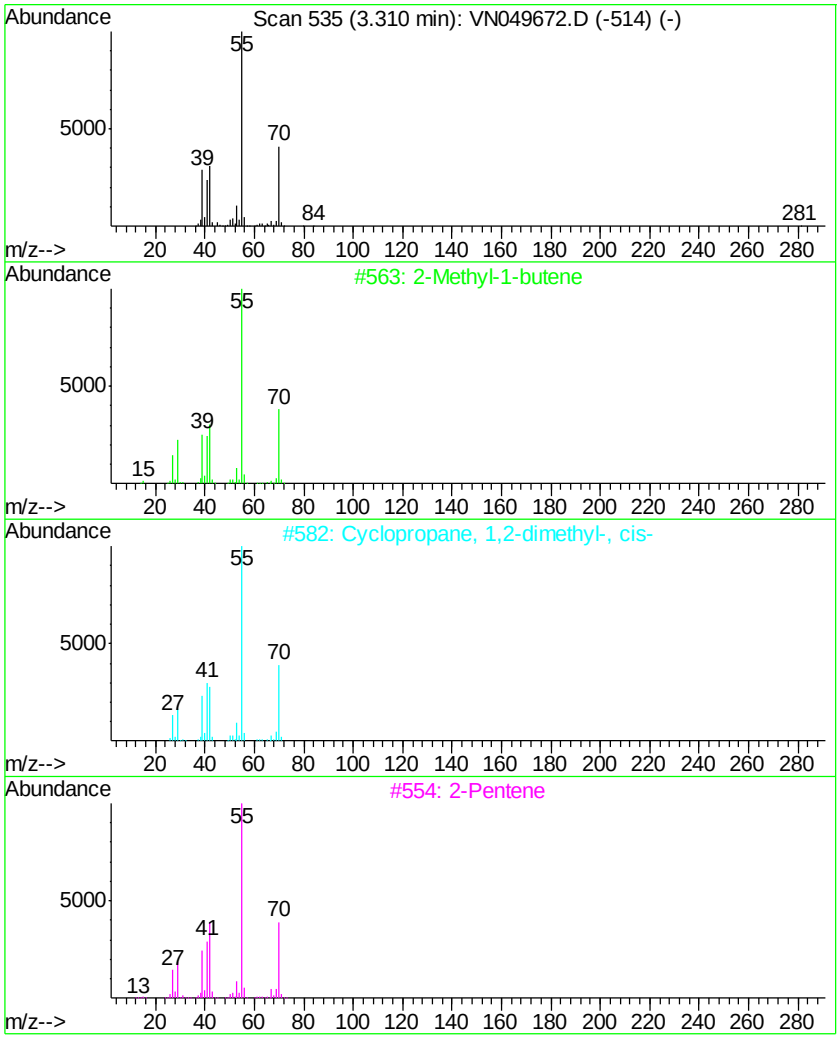
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

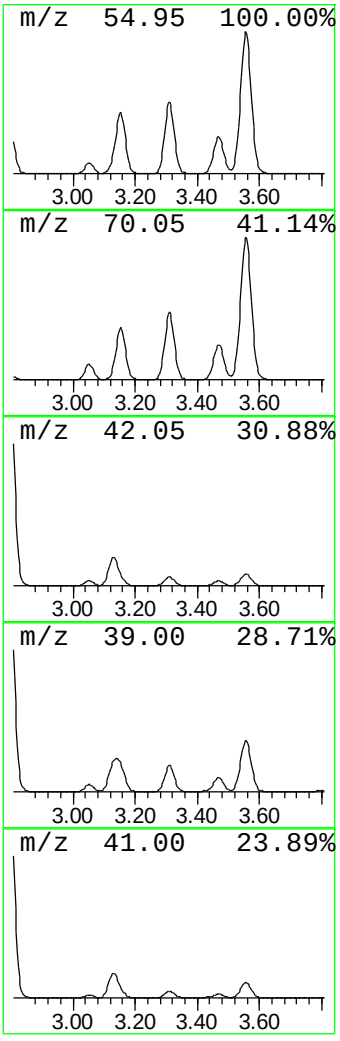
****

Peak Number 4 2-Methyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.31	102.22 ug/l	5632760	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
3	2-Pentene	70	C5H10	000109-68-2	91
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

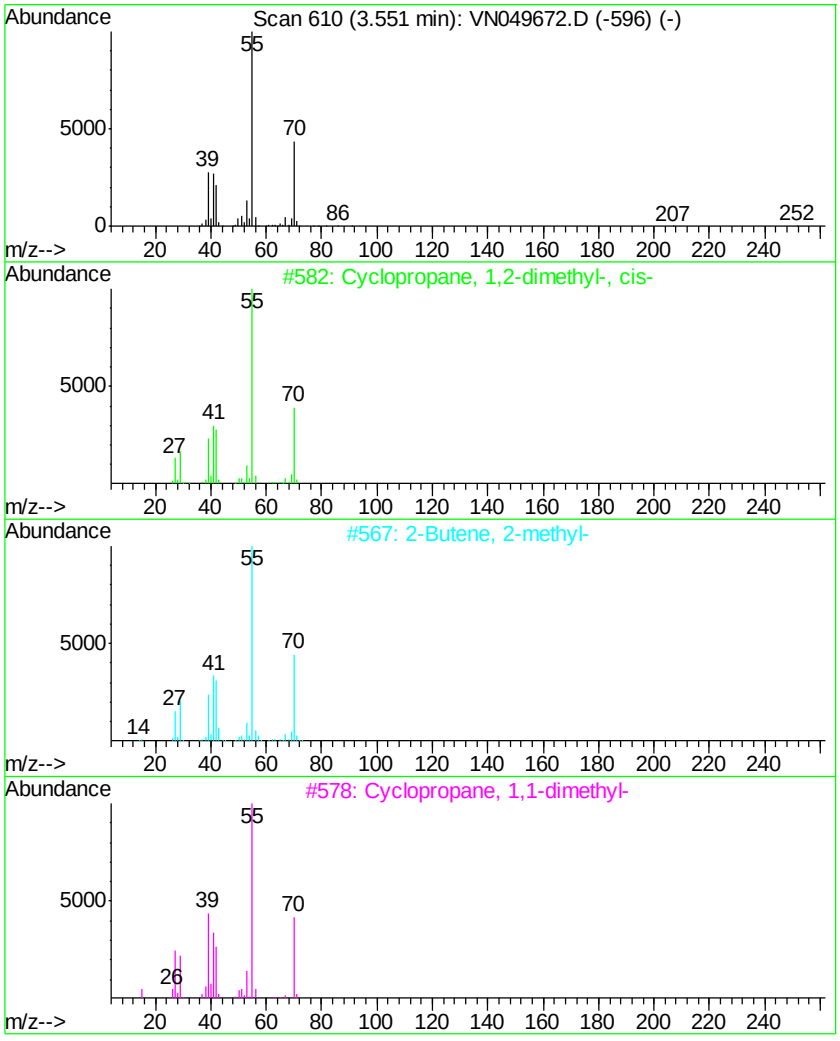
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

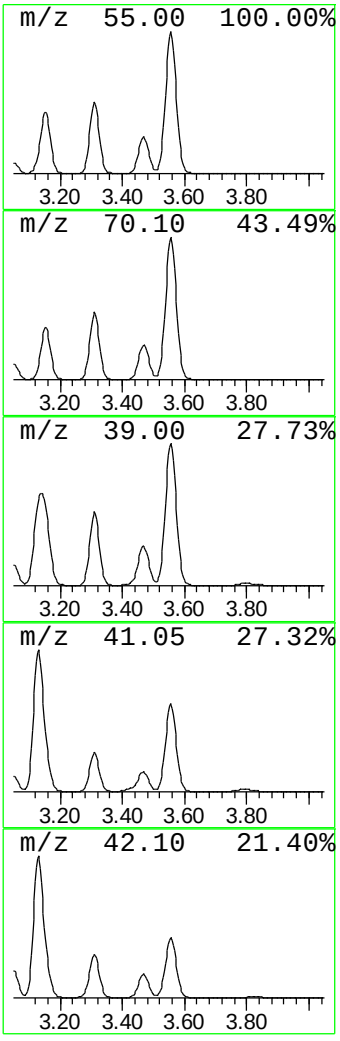
****

Peak Number 5 Cyclopropane, 1,2-dimethyl-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.55	214.55 ug/l	11822900	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	74
5	2-Methyl-1-butene	70	C5H10	000563-46-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

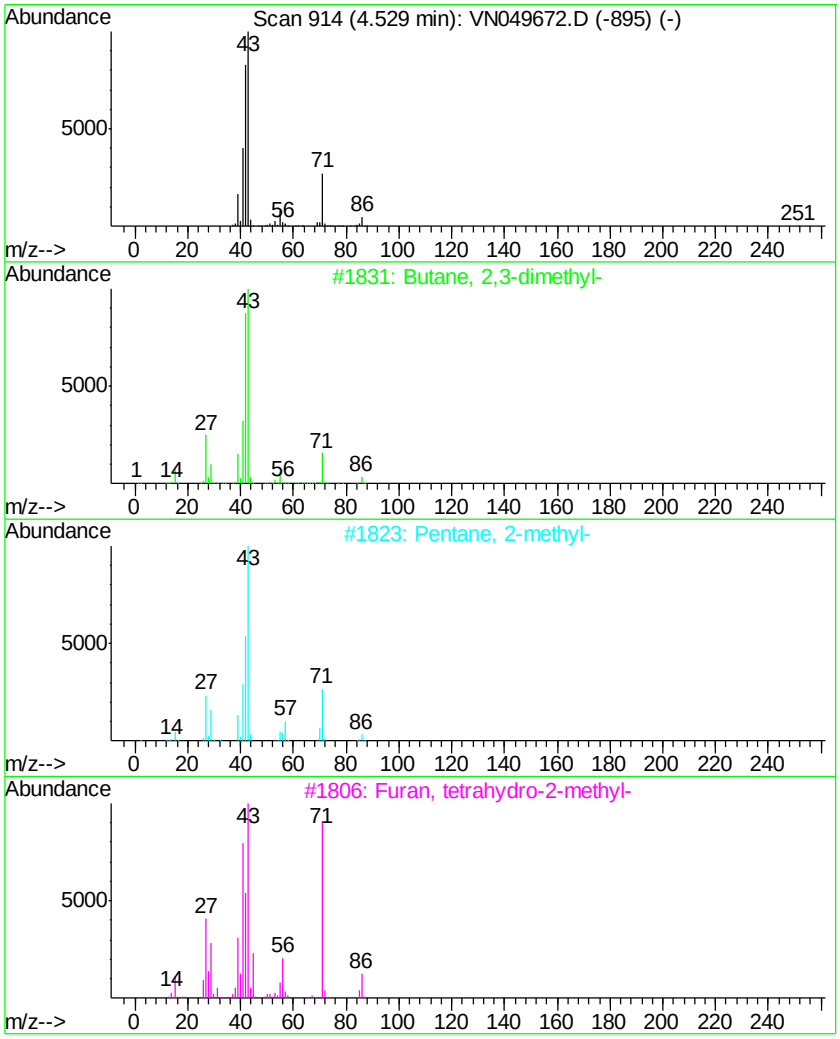
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

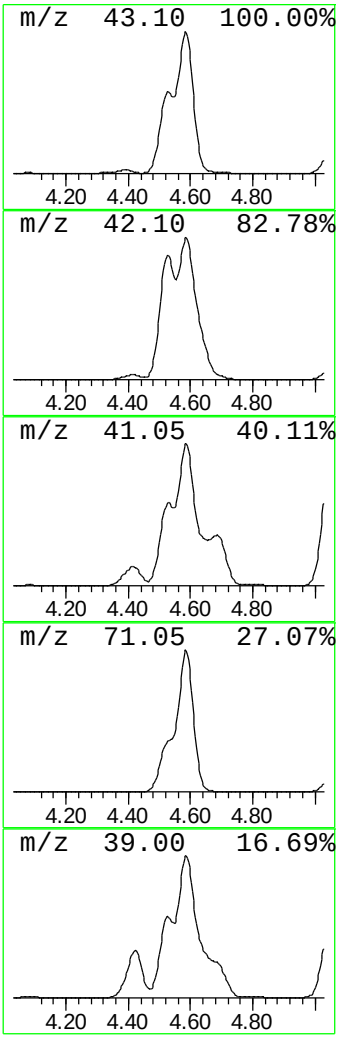
****

Peak Number 6 Butane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	120.78 ug/l	6655670	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	12
4	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	12
5	Pyrrolidine	71	C4H9N	000123-75-1	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

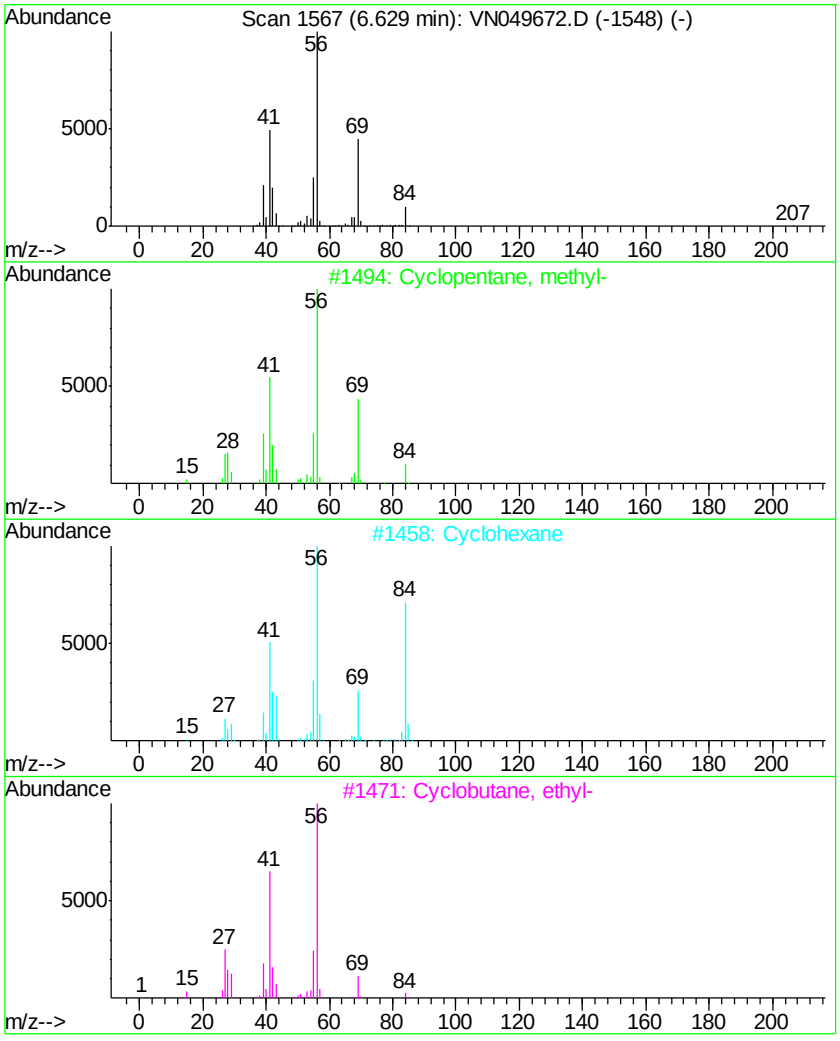
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

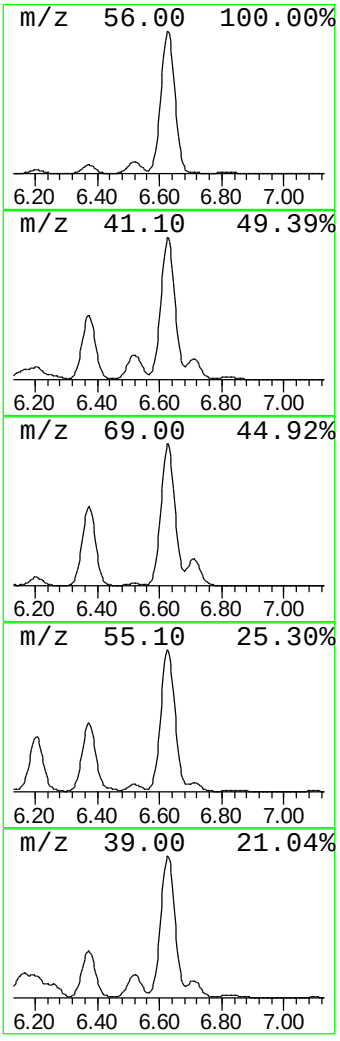
****

Peak Number 7 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	203.79 ug/l	11229800	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	83
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

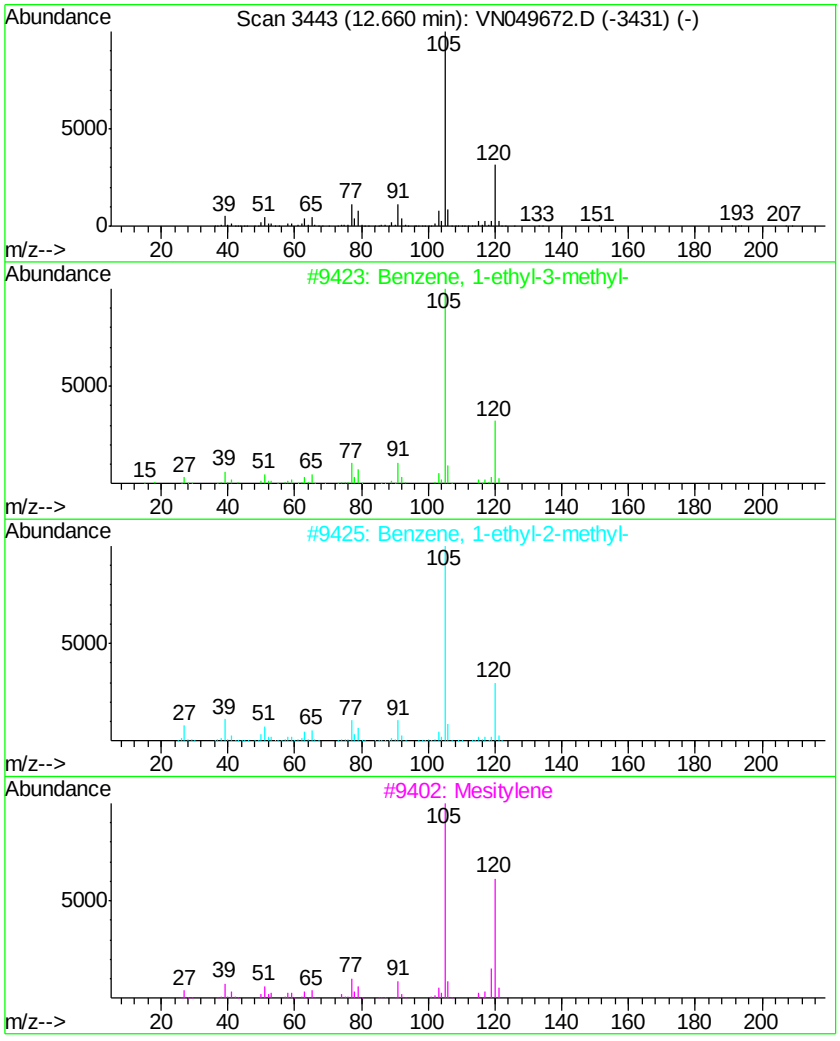
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

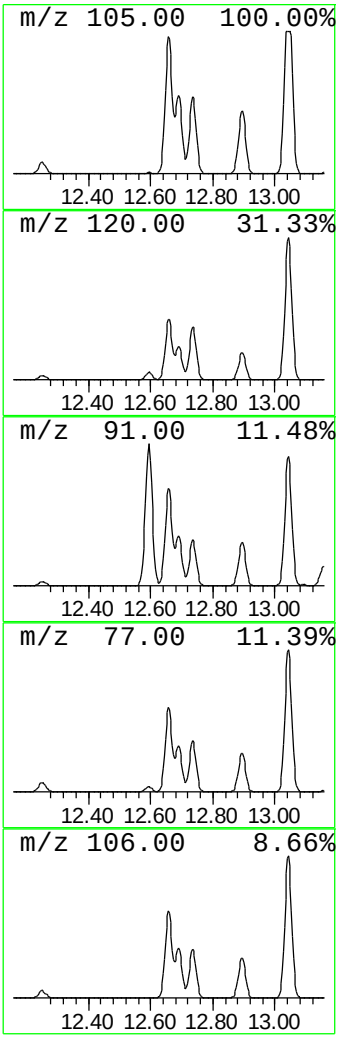
****

Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	285.29 ug/l	31819400	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

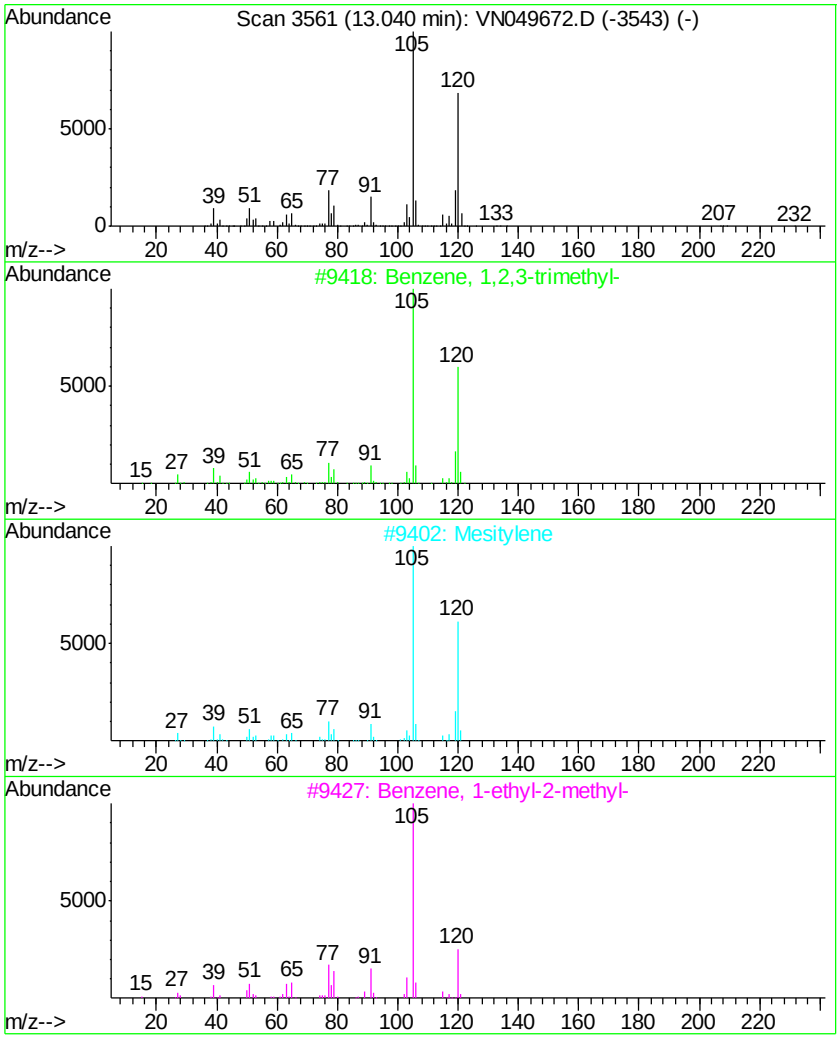
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

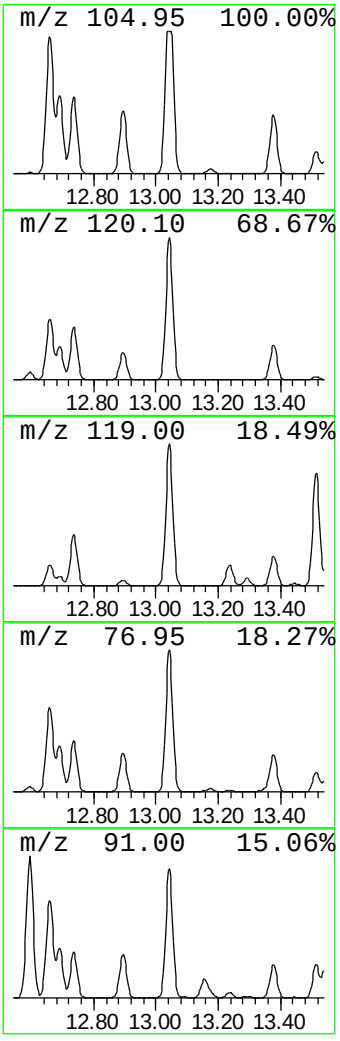
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	500.02 ug/l	55769700	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260

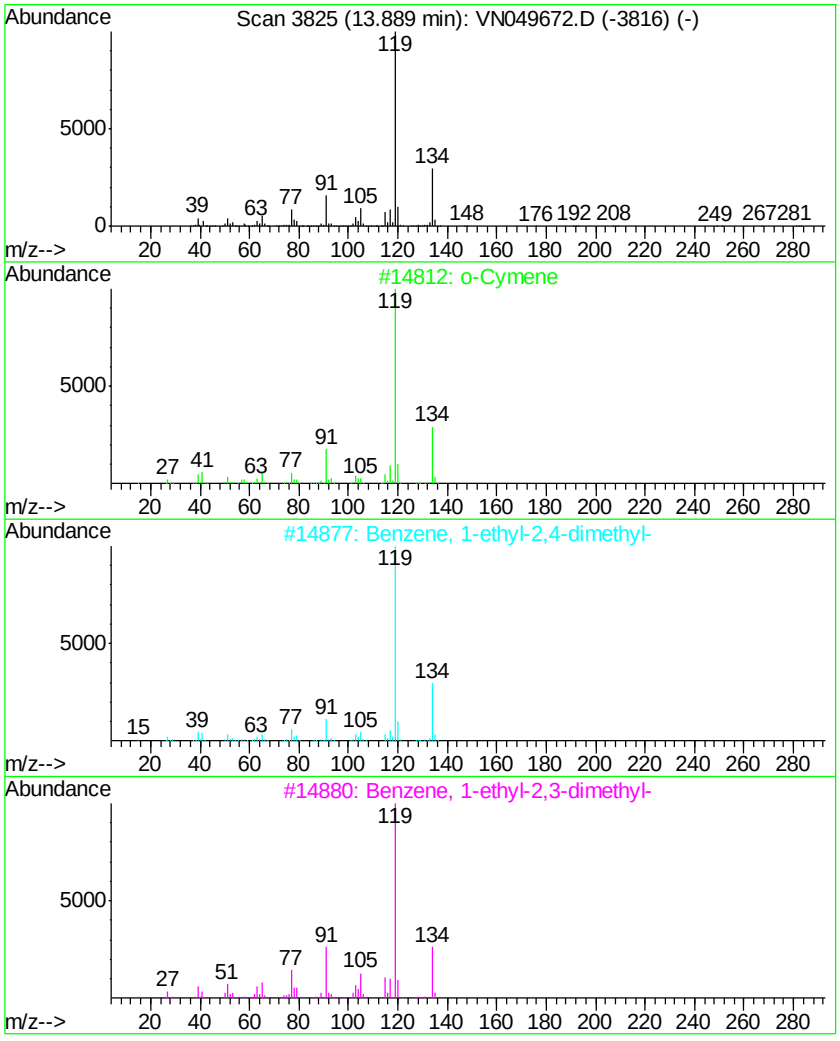
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

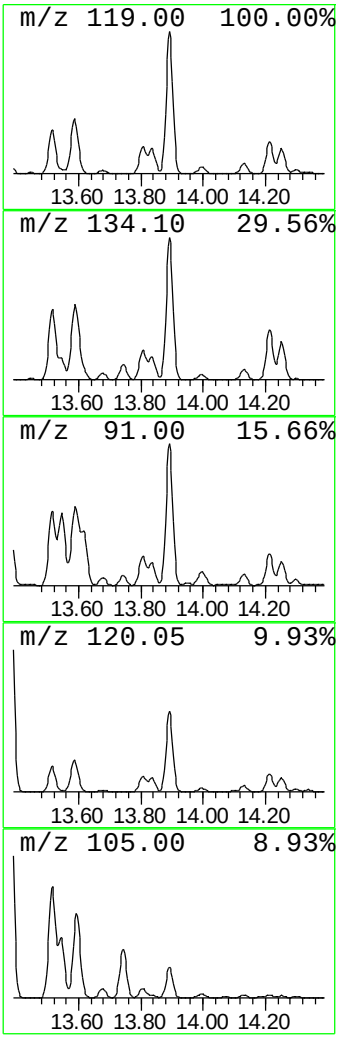
****

Peak Number 10 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	140.23 ug/l	15640600	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070218\
Data File : VN049672.D
Acq On : 2 Jul 2018 16:27
Operator : MD\SY
Sample : J3798-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : DRUM-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.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
unknown1.65	1.65	2378.3	ug/l	131055000	1	7.67	2755220	50.0
Butane, 2-methyl-	2.80	1116.3	ug/l	61514400	1	7.67	2755220	50.0
Pentane	3.13	226.3	ug/l	12471500	1	7.67	2755220	50.0
2-Methyl-1-butene	3.31	102.2	ug/l	5632760	1	7.67	2755220	50.0
Cyclopropane, 1,2...	3.55	214.6	ug/l	11822900	1	7.67	2755220	50.0
Butane, 2,3-dimet...	4.53	120.8	ug/l	6655670	1	7.67	2755220	50.0
Cyclopentane, met...	6.63	203.8	ug/l	11229800	1	7.67	2755220	50.0
Benzene, 1-ethyl-...	12.66	285.3	ug/l	31819400	4	13.35	5576770	50.0
Benzene, 1,2,3-tr...	13.04	500.0	ug/l	55769700	4	13.35	5576770	50.0
o-Cymene	13.89	140.2	ug/l	15640600	4	13.35	5576770	50.0