LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

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\82N091019W.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	2.429	196	204	214	rVB2	21650	34885	1.07%	0.127%
2	2.780	301	313	326	rVB2	79553	160228	4.93%	0.585%
3	3.799	604	630	653	rBV	90745	269849	8.30%	0.986%
4	4.050	691	708	729	rBV2	25049	78763	2.42%	0.288%
5	4.503	823	849	859	rBV4	136819	453141	13.94%	1.655%
6	5.027	981	1012	1040	rBV2	187601	683989	21.04%	2.498%
7	6.500	1447	1470	1484	rBV3	58592	200550	6.17%	0.733%
8	6.606	1485	1503	1531	rVB2	400373	1276774	39.28%	4.663%
9	6.821	1548	1570	1596	rBV2	69412	217029	6.68%	0.793%
10	7.371	1723	1741	1760	rVB5	15059	47217	1.45%	0.172%
11	7.577	1786	1805	1814	rBV2	286109	718442	22.10%	2.624%
12	7.648	1815	1827	1841	rVV3	508151	1354423	41.67%	4.947%
13	7.728	1841	1852	1872	rVB2	223831	576430	17.73%	2.105%
14	7.860	1878	1893	1903	rBV3	61199	149271	4.59%	0.545%
15	7.918	1908	1911	1925	rVB2	37004	60844	1.87%	0.222%
16	8.014	1925	1941	1964	rVB	368523	849396	26.13%	3.102%
17	8.146	1964	1982	1988	rBV4	159503	366274	11.27%	1.338%
18	8.201	1990	1999	2016	rVV4	247592	798675	24.57%	2.917%
19	8.288	2017	2026	2054	rVB3	99720	248038	7.63%	0.906%
20	8.439	2062	2073	2090	rVB	58387	130245	4.01%	0.476%
21	8.577	2100	2116	2140	rBV	539344	1147885	35.31%	4.193%
22	9.037	2240	2259	2266	rBV2	225305	499649	15.37%	1.825%
23	9.191	2297	2307	2320	rVV3	26719	76830	2.36%	0.281%
24	9.262	2321	2329	2341	rVB3	48701	93767	2.88%	0.342%
25	9.358	2343	2359	2370	rVB4	21909	46897	1.44%	0.171%
26	9.513	2393	2407	2427	rVB2	160074	329251	10.13%	1.203%
27	9.648	2430	2449	2465	rBV2	272101	583604	17.95%	2.132%
28	9.844	2497	2510	2521	rBV8	28129	68937	2.12%	0.252%
29	9.988	2543	2555	2571	rBV6	33467	105334	3.24%	0.385%
30	10.088	2571	2586	2610	rVV	1267165	2472396	76.06%	9.030%
31	10.197	2611	2620	2631	rVV3	50961	120653	3.71%	0.441%
32	10.259	2631	2639	2656	rVB7	32476	78715	2.42%	0.288%
33	10.429	2685	2692	2703	rVB3	22075	39651	1.22%	0.145%
34	10.525	2703	2722	2737	rBV7	51578	131772	4.05%	0.481%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

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\82N091019W.M
Title : SW846 8260

35	10.641	2753	2758	2771	rVB3	28360	45920	1.41%	0.168%
36	10.760	2788	2795	2816	rVB7	29531	62343	1.92%	0.228%
37	11.255	2940	2949	2958	rBV4	20638	33684	1.04%	0.123%
38	11.320	2958	2969	2984	rVV2	42942	87389	2.69%	0.319%
39	11.406	2984	2996	3013	rVV	809775	1420819	43.71%	5.190%
40	11.509	3014	3028	3046	rVV5	70740	173479	5.34%	0.634%
41	11.657	3063	3074	3087	rVB5	29820	65570	2.02%	0.239%
42	12.252	3246	3259	3273	rBV	895774	1465748	45.09%	5.354%
43	12.406	3293	3307	3337	rBV	894700	1550797	47.71%	5.664%
44	12.596	3342	3366	3388	rBV	1998135	3250659	100.00%	11.873%
45	12.898	3450	3460	3470	rVB2	59215	97455	3.00%	0.356%
46	13.175	3529	3546	3562	rBV3	174676	421409	12.96%	1.539%
47	13.348	3587	3600	3616	rBV	942544	1590669	48.93%	5.810%
48	13.448	3624	3631	3642	rVB4	26125	43745	1.35%	0.160%
49	13.519	3642	3653	3657	rBV2	199220	305364	9.39%	1.115%
50	13.551	3658	3663	3672	rVB	222781	314250	9.67%	1.148%
51	13.599	3672	3678	3683	rBV2	76778	116886	3.60%	0.427%
52	13.680	3694	3703	3714	rVV	86783	141972	4.37%	0.519%
53	13.747	3716	3724	3734	rVB	20730	35833	1.10%	0.131%
54	13.895	3759	3770	3779	rBV	62232	98916	3.04%	0.361%
55	13.953	3779	3788	3794	rVV	72083	111515	3.43%	0.407%
56	14.001	3794	3803	3815	rVB	231627	391068	12.03%	1.428%
57	14.217	3853	3870	3882	rVB2	70765	143741	4.42%	0.525%
58	14.300	3886	3896	3905	rBV2	18969	36202	1.11%	0.132%
59	14.602	3977	3990	4001	rBV3	35130	65474	2.01%	0.239%
60	14.908	4077	4085	4093	rBV2	18087	35793	1.10%	0.131%
61	15.998	4416	4424	4431	rBV2	25889	42902	1.32%	0.157%
62	16.049	4431	4440	4453	rVB	67693	125974	3.88%	0.460%
63	16.216	4479	4492	4513	rVB	333292	633044	19.47%	2.312%

Sum of corrected areas: 27378424

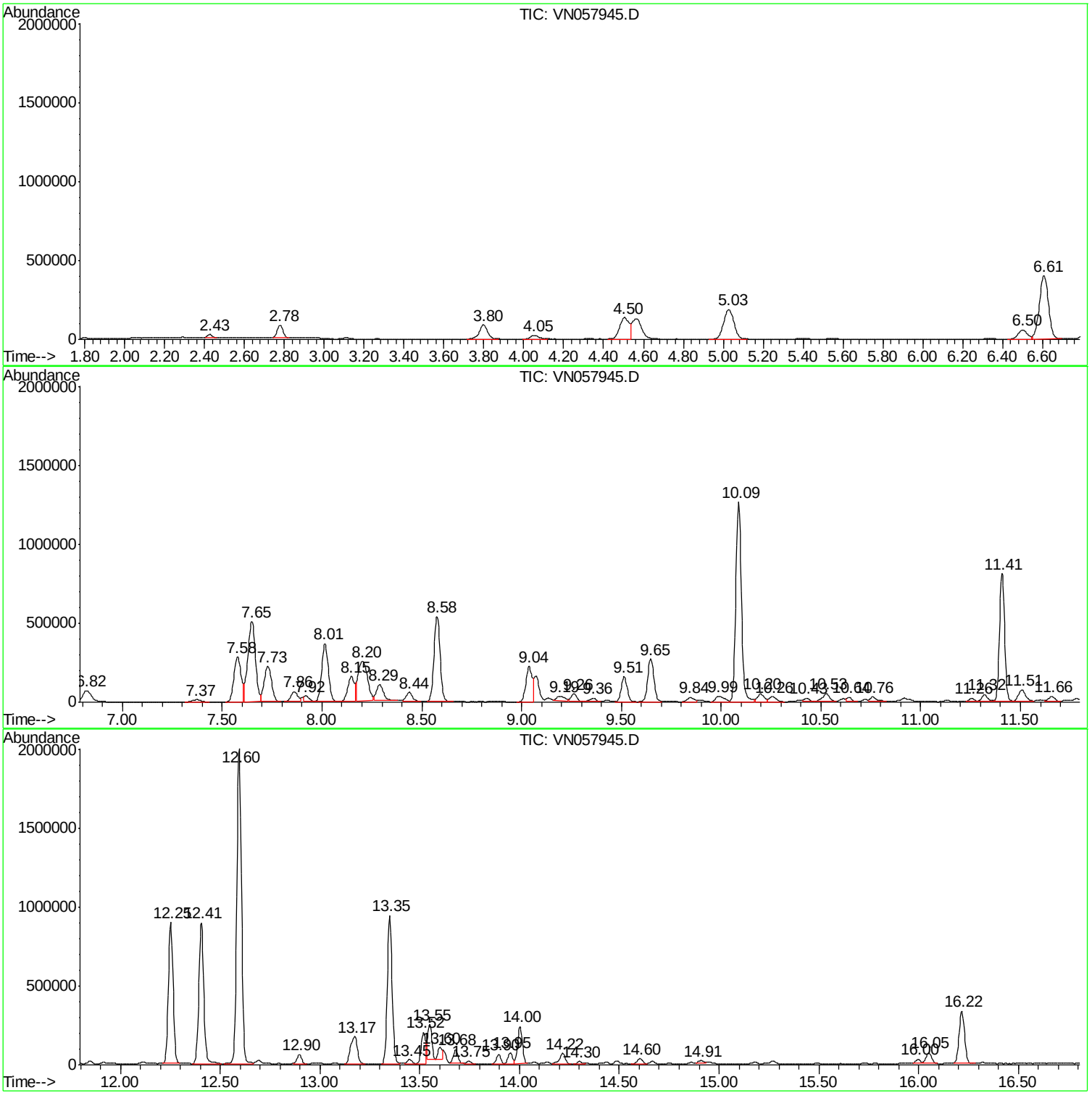
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.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\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
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Instrument : MSVOA_N
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

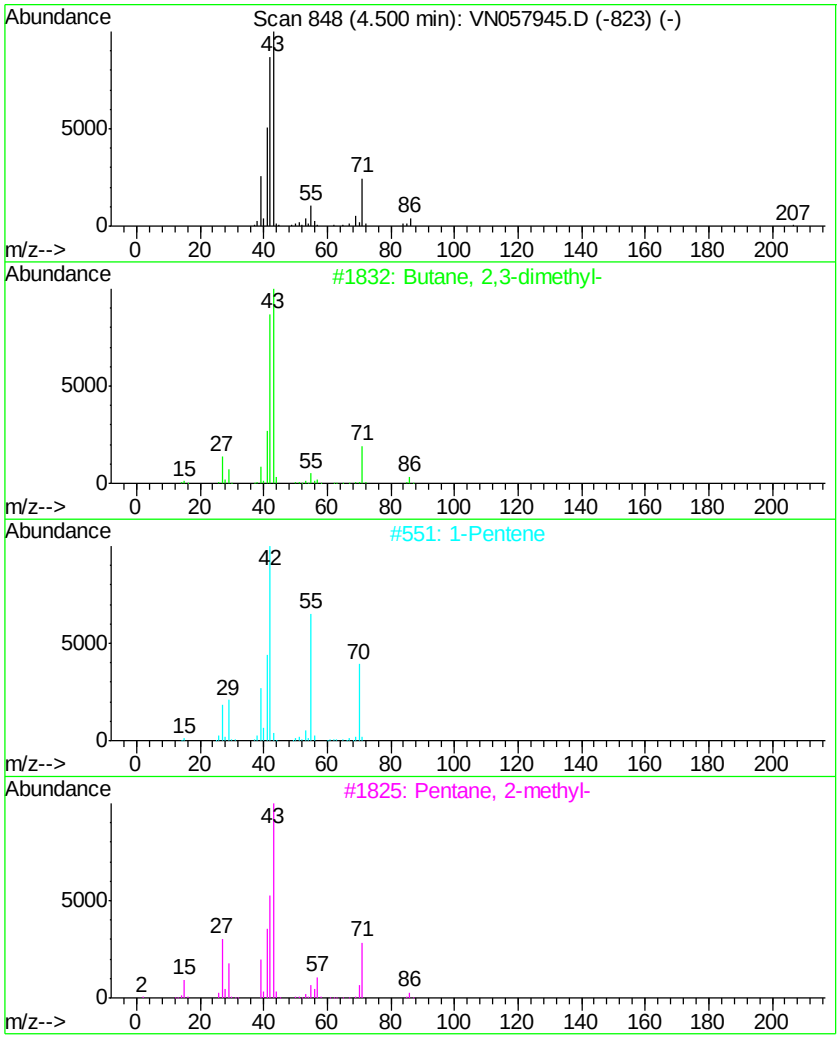
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

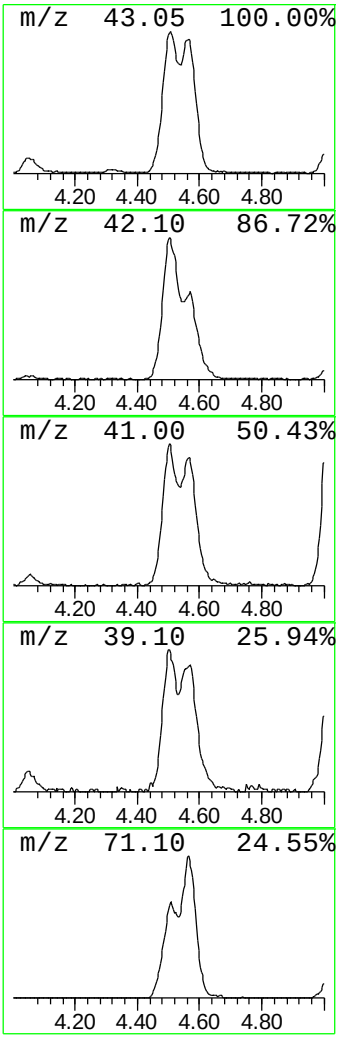
****

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.50	16.73 ug/l	453141	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
2	1-Pentene	70	C5H10	000109-67-1	38
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	28
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	12
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	12





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

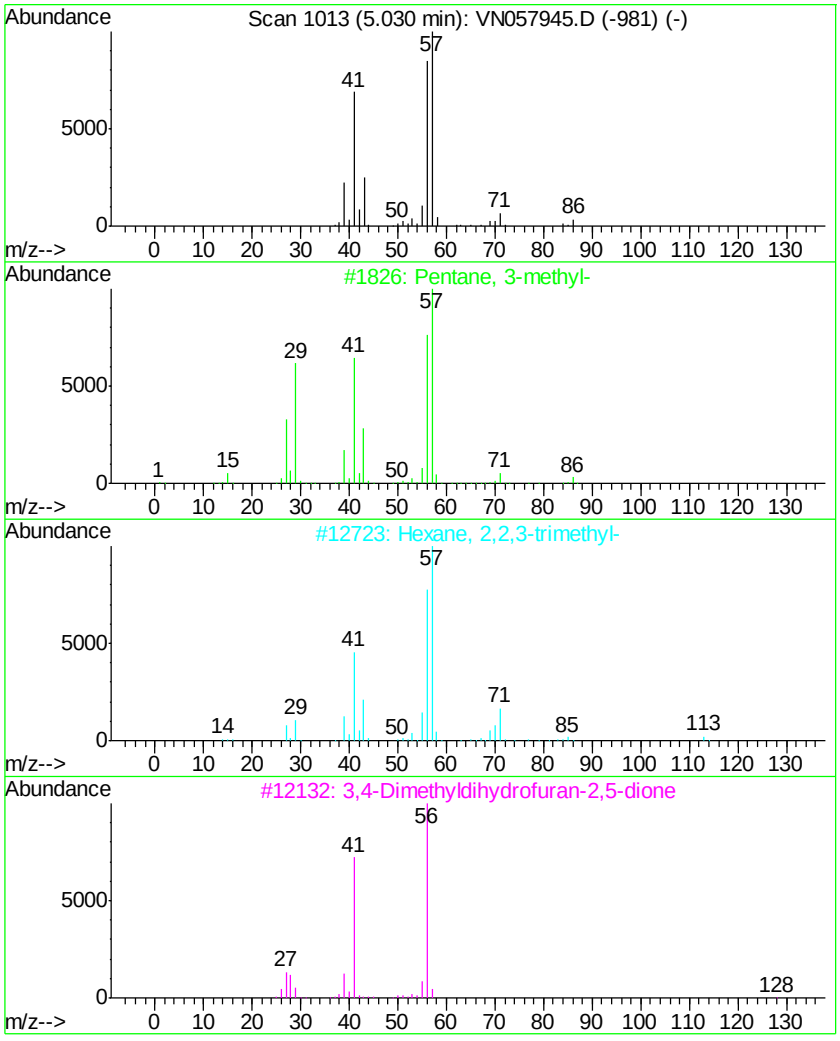
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

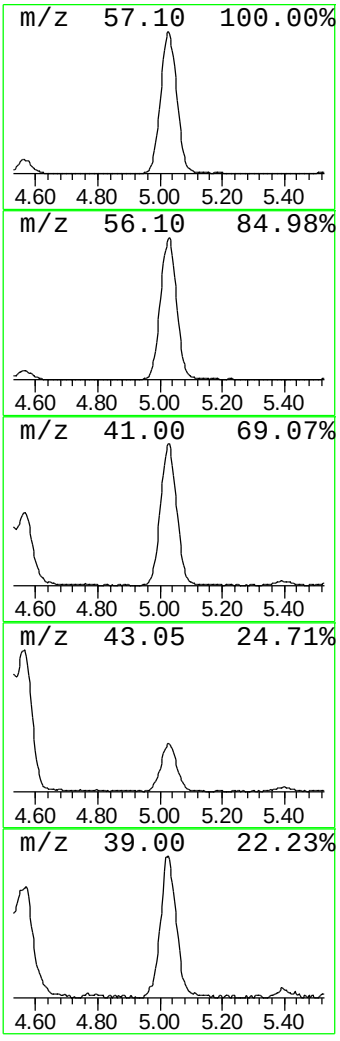
****

Peak Number 2 Pentane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	25.25 ug/l	683989	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83
3	3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	53
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	50
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

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

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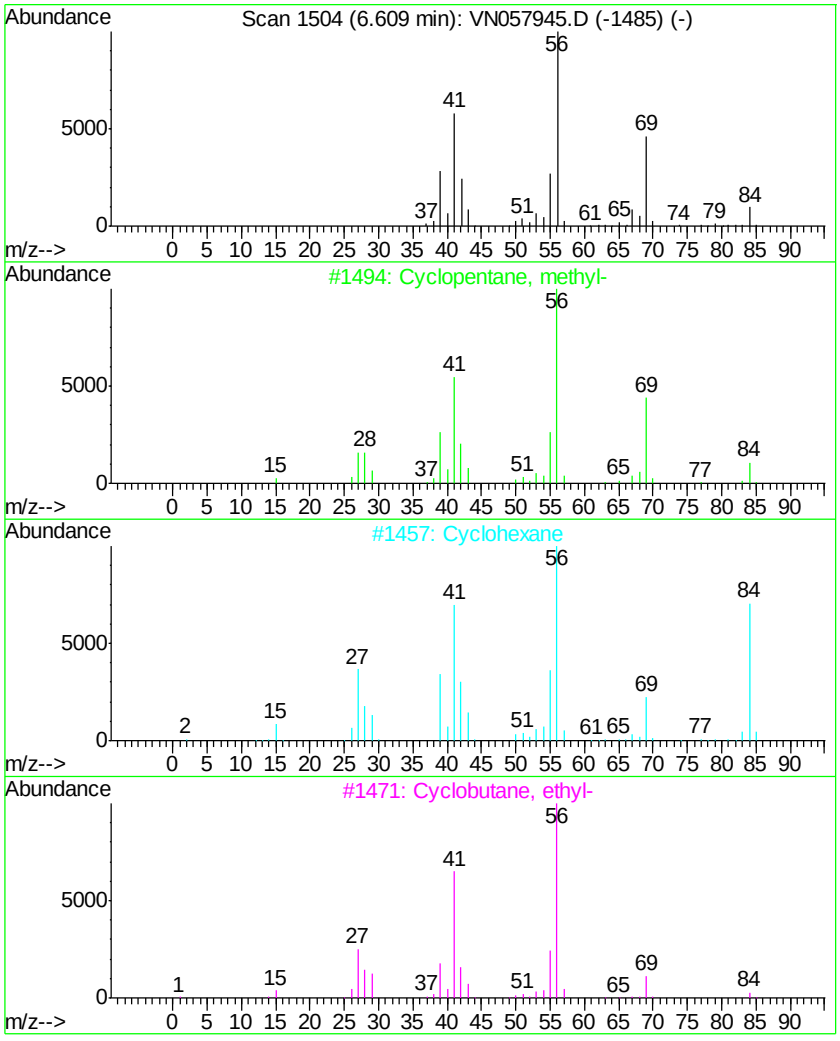
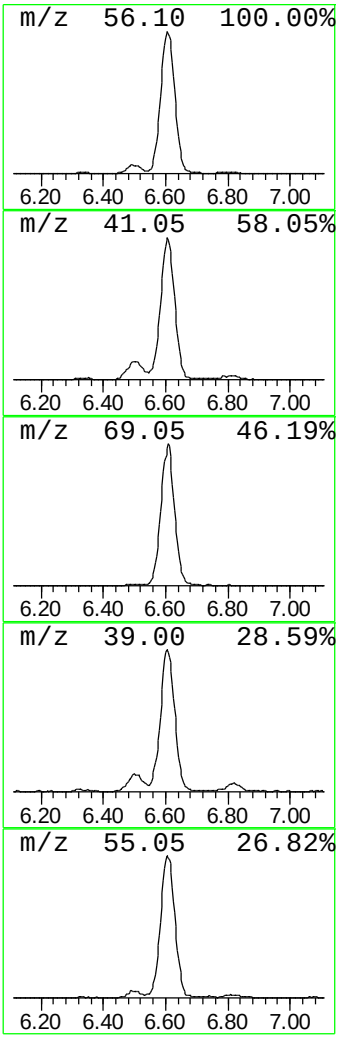
Peak Number 3 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	47.13 ug/l	1276770	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50
5	Cyclobutane	56	C4H8	000287-23-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

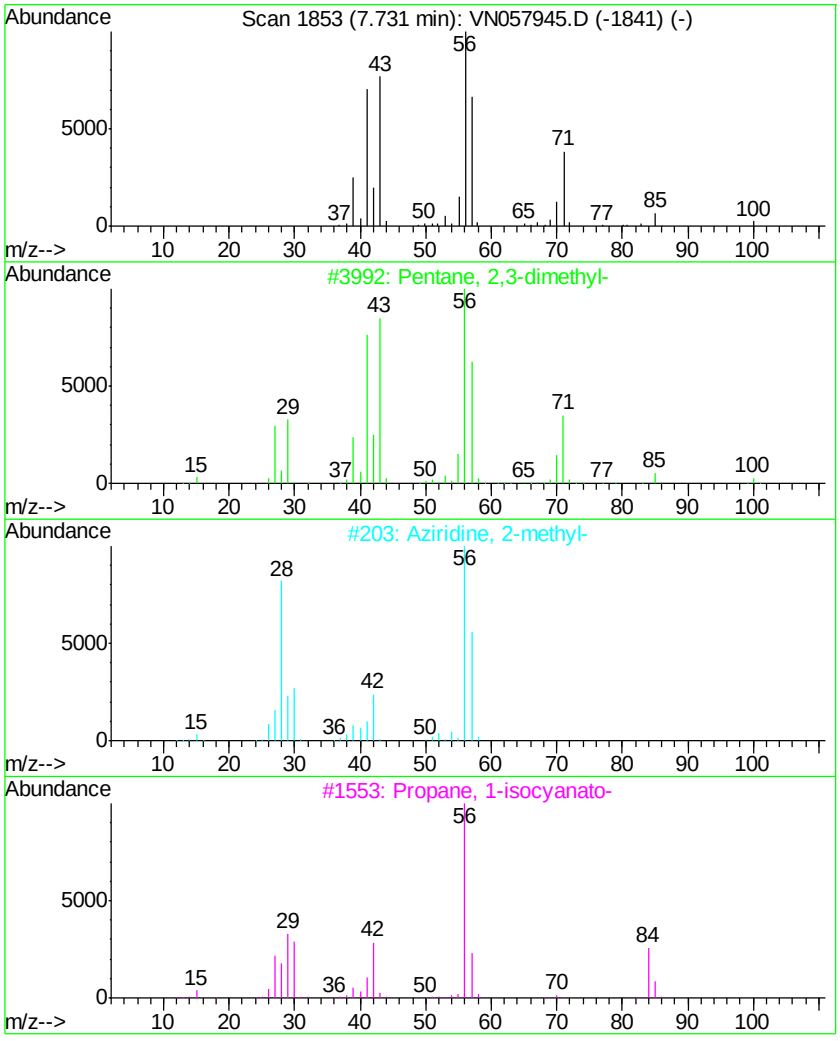
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

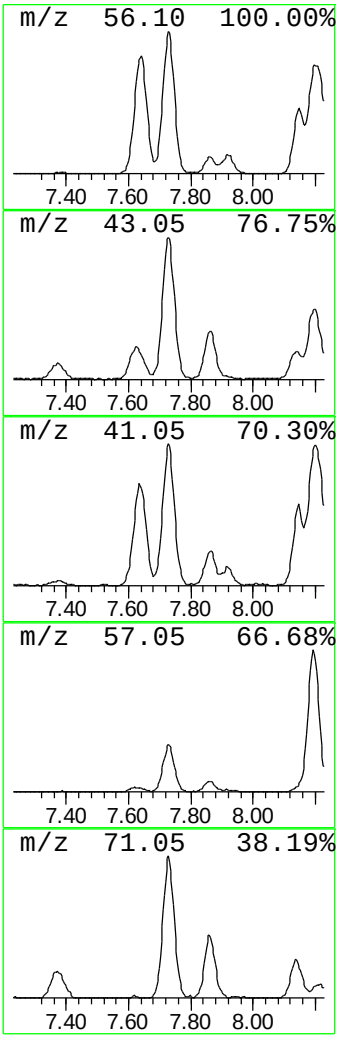
****

Peak Number 4 Pentane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	21.28 ug/l	576430	Pentafluorobenzene	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	43
3	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	43
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	38
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	38





Library Search Compound Report

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Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

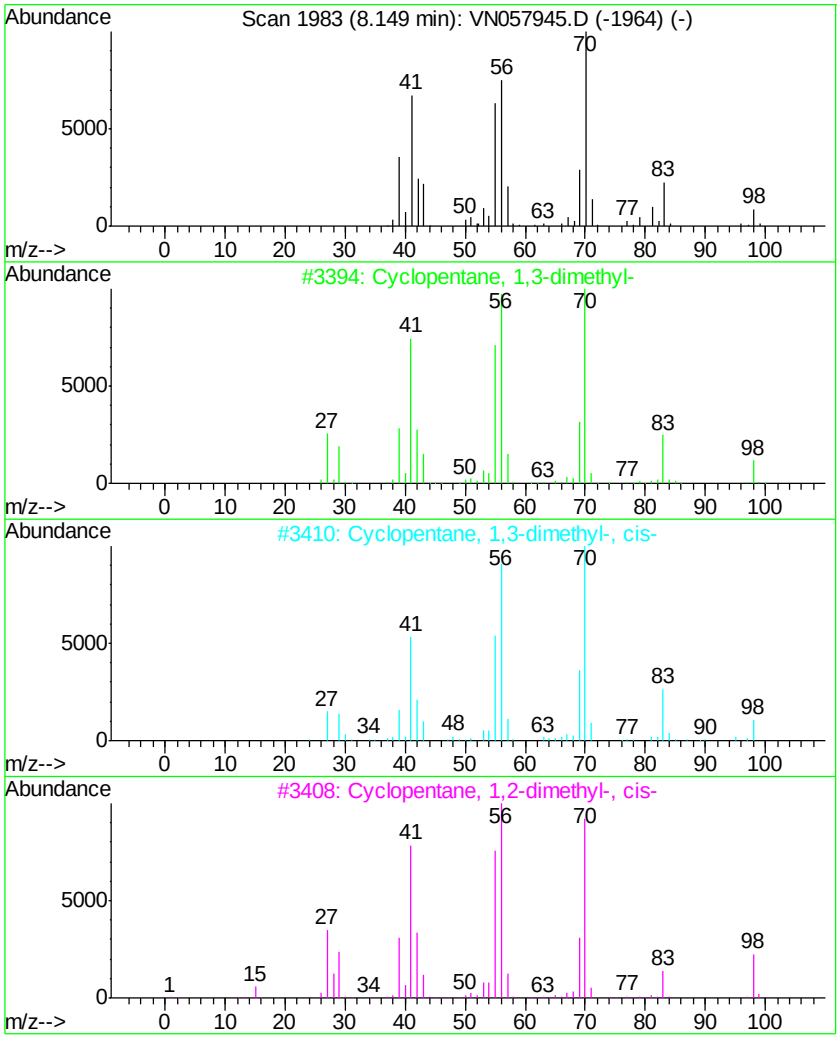
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

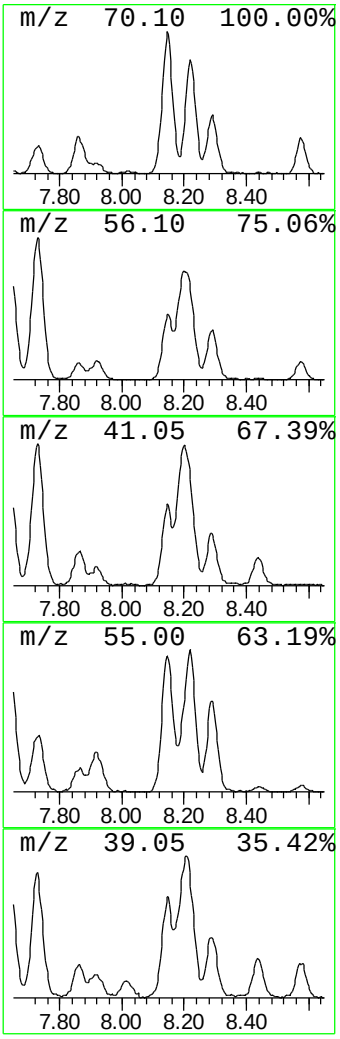
****

Peak Number 5 Cyclopentane, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	15.95 ug/l	366274	1,4-Difluorobenzene	8.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
4	Isopropylcyclobutane	98	C7H14	000872-56-0	64
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	58





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Operator : JC/SP
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

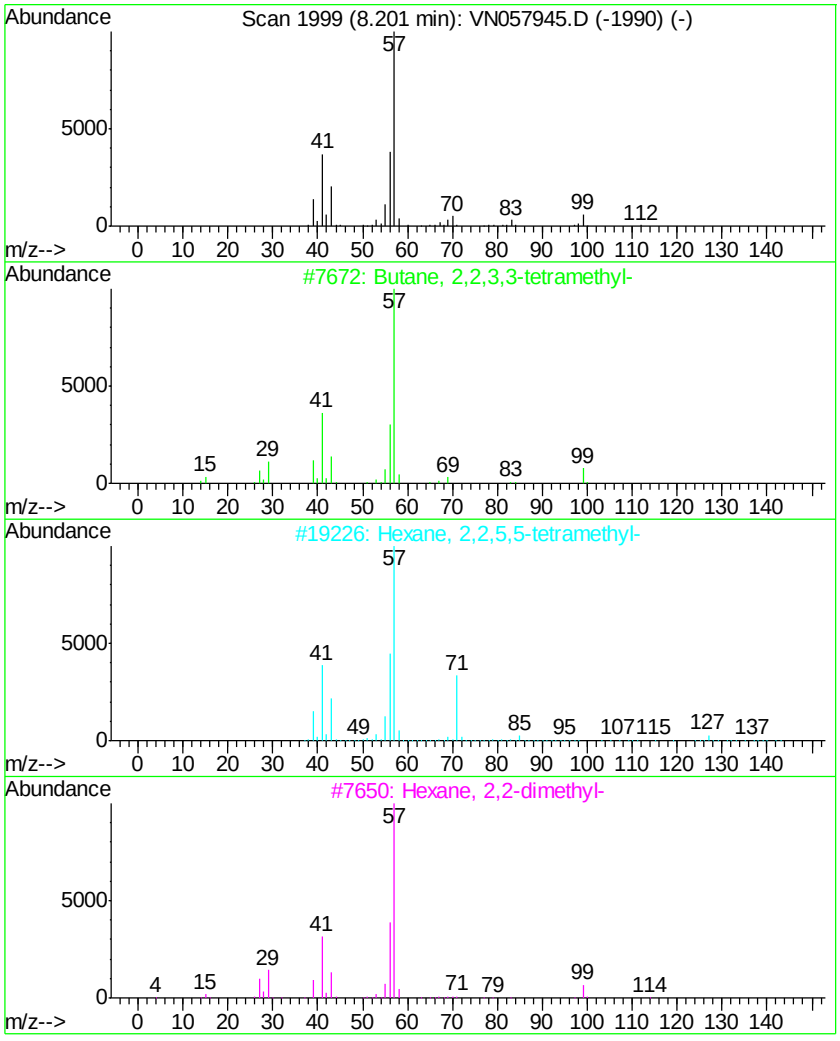
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

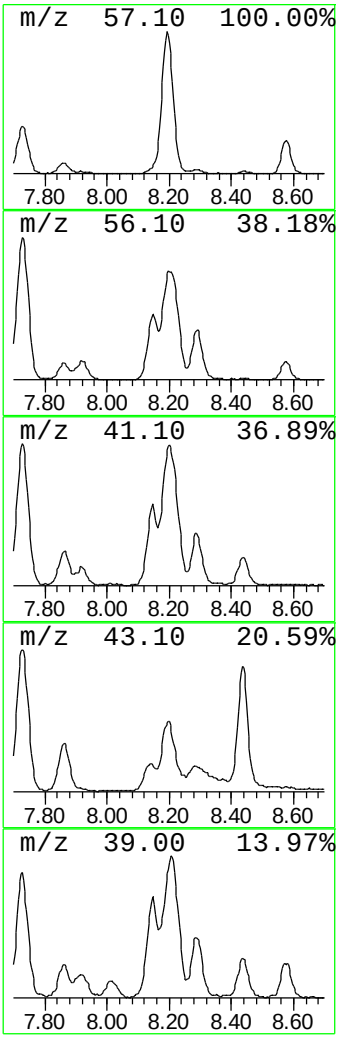
****

Peak Number 6 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	34.79 ug/l	798675	1,4-Difluorobenzene	8.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	64
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	50
4	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	50
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

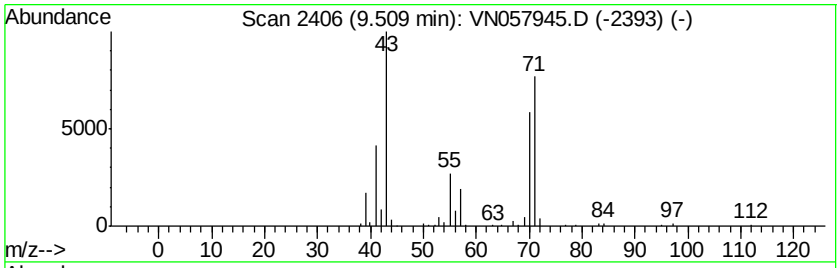
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

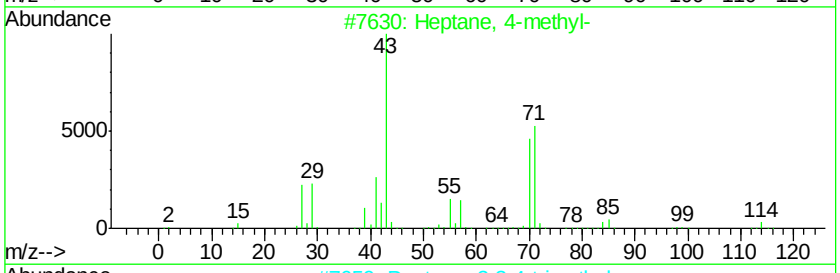
****

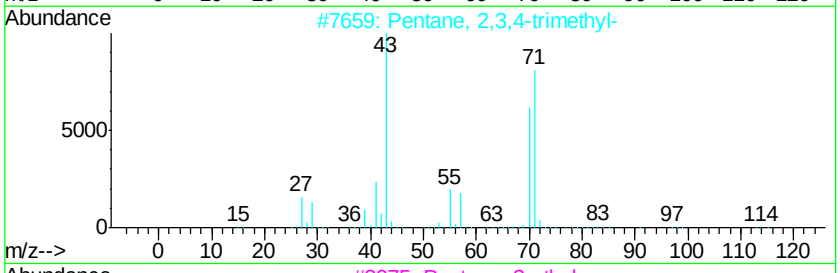
Peak Number 7 Heptane, 4-methyl- Concentration Rank 9

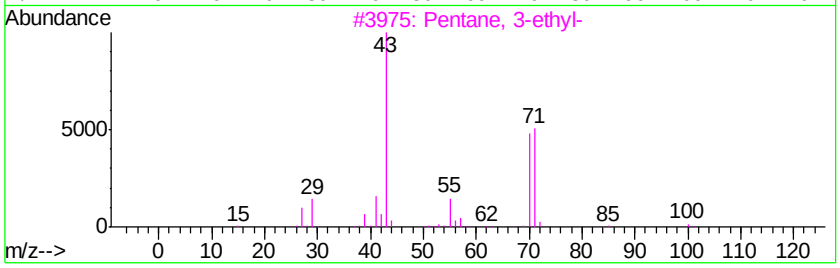
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	14.34 ug/l	329251	1,4-Difluorobenzene	8.58

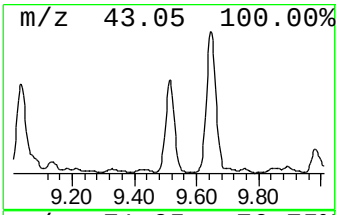
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	78

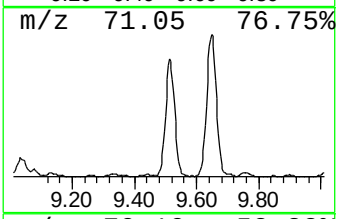


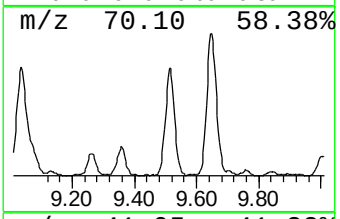


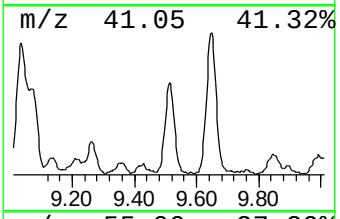


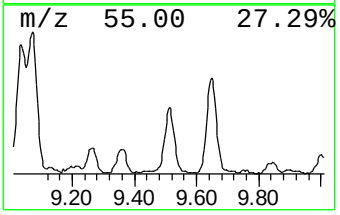












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

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

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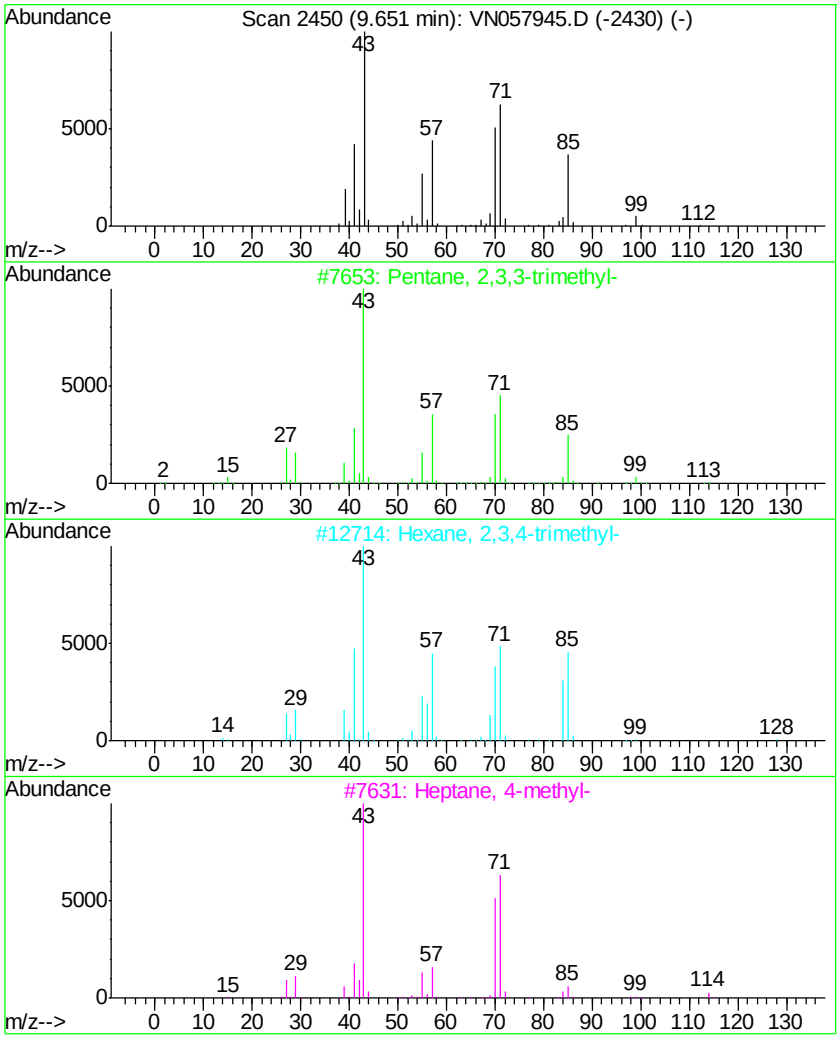
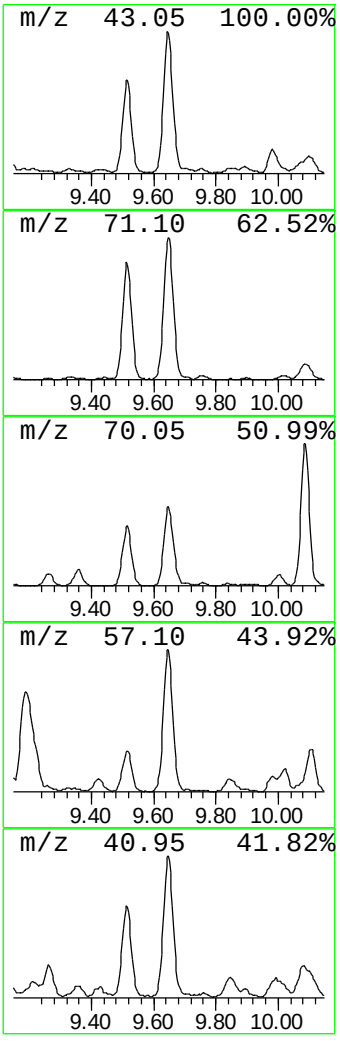
Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	25.42 ug/l	583604	1,4-Difluorobenzene	8.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

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

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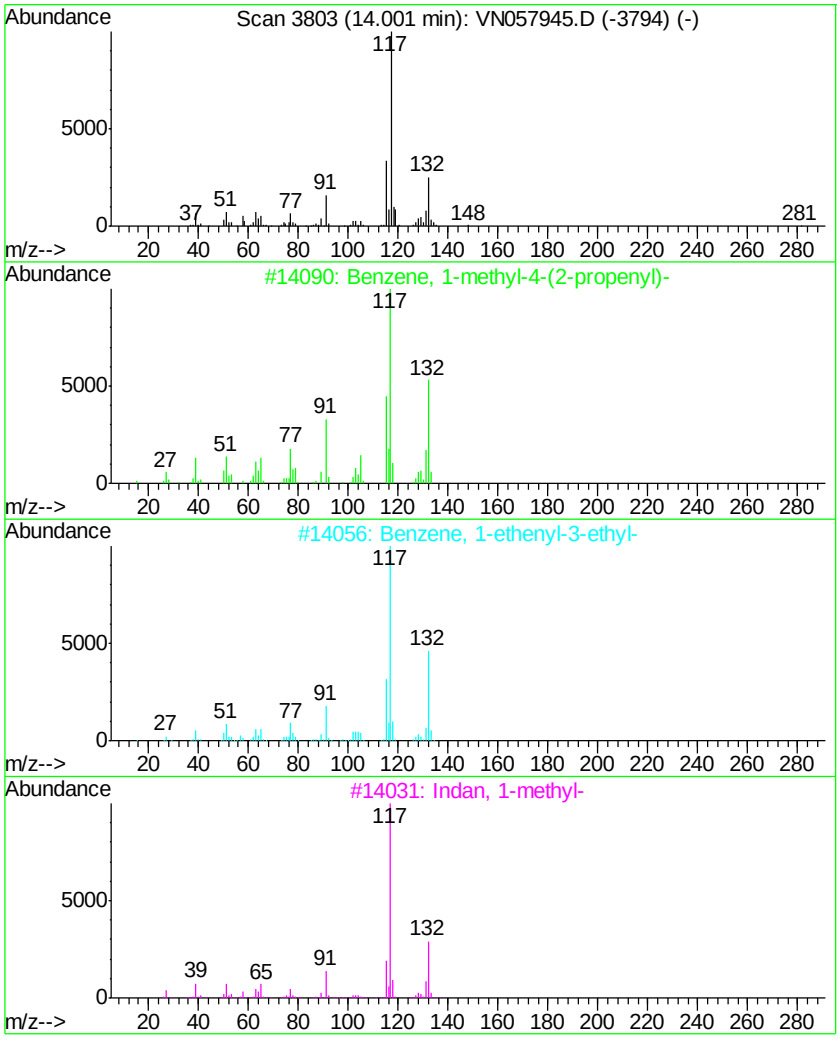
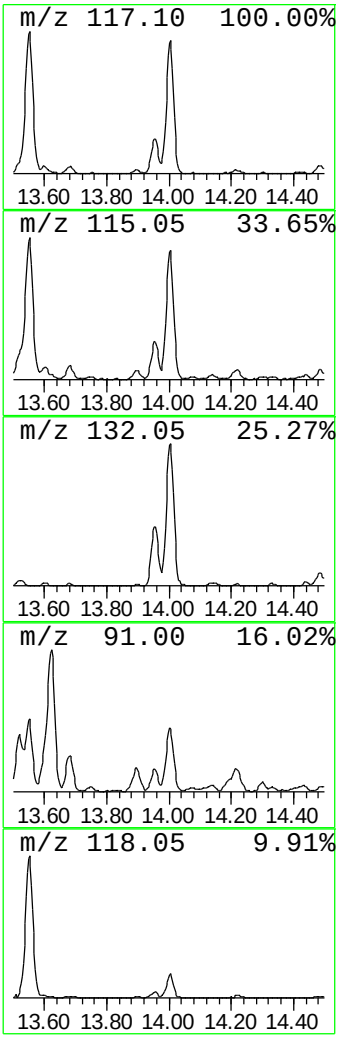
Peak Number 9 Benzene, 1-methyl-4-(2-prop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	12.29 ug/l	391068	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260

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

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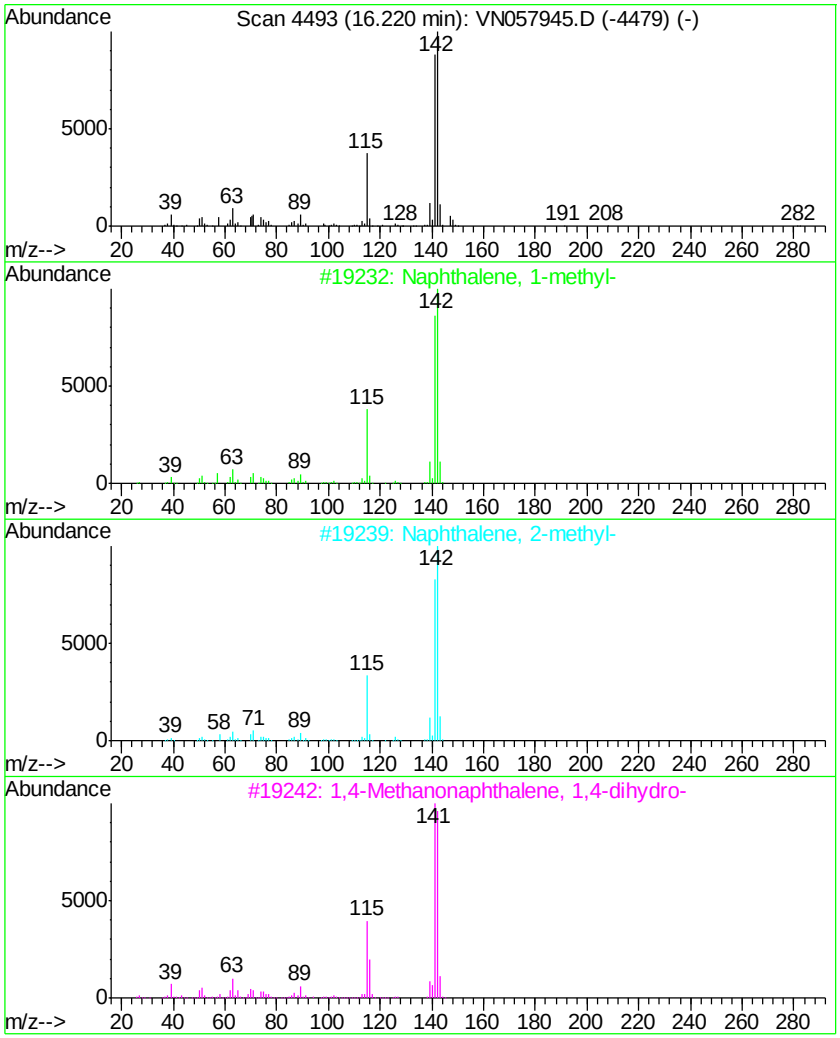
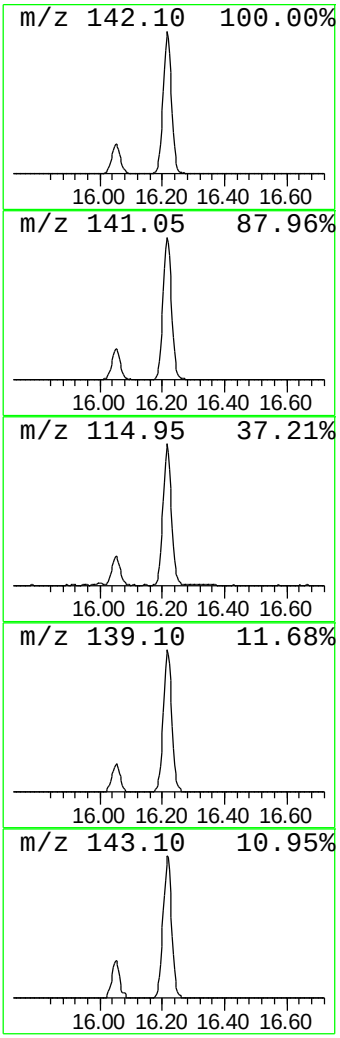
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	19.90 ug/l	633044	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	93
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
Data File : VN057945.D
Acq On : 11 Sep 2019 23:29
Operator : JC/SP
Sample : K4836-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.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
Butane, 2,3-dimet...	4.50	16.7	ug/l	453141	1	7.65	1354420	50.0
Pentane, 3-methyl-	5.03	25.3	ug/l	683989	1	7.65	1354420	50.0
Cyclopentane, met...	6.61	47.1	ug/l	1276770	1	7.65	1354420	50.0
Pentane, 2,3-dime...	7.73	21.3	ug/l	576430	1	7.65	1354420	50.0
Cyclopentane, 1,3...	8.15	15.9	ug/l	366274	2	8.58	1147890	50.0
Butane, 2,2,3,3-t...	8.20	34.8	ug/l	798675	2	8.58	1147890	50.0
Heptane, 4-methyl-	9.51	14.3	ug/l	329251	2	8.58	1147890	50.0
Pentane, 2,3,3-tr...	9.65	25.4	ug/l	583604	2	8.58	1147890	50.0
Benzene, 1-methyl...	14.00	12.3	ug/l	391068	4	13.35	1590670	50.0
Naphthalene, 1-me...	16.22	19.9	ug/l	633044	4	13.35	1590670	50.0