LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

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\82N061620W.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	2.770	294	310	335	rBV	466876	951410	1.00%	0.183%
2	6.580	1477	1495	1512	rBV2	549577	1660578	1.75%	0.319%
3	7.609	1775	1815	1832	rBV7	733777	2854608	3.01%	0.548%
4	7.706	1833	1845	1868	rVB2	377384	1098418	1.16%	0.211%
5	7.837	1868	1886	1918	rBV	511816	1298167	1.37%	0.249%
6	8.172	1979	1990	2012	rVB	797556	2363535	2.49%	0.454%
7	8.400	2040	2061	2086	rVB2	334171	990972	1.05%	0.190%
8	8.545	2086	2106	2130	rBV4	1085448	3091773	3.26%	0.594%
9	9.046	2234	2262	2274	rBV4	904539	2590104	2.73%	0.498%
10	9.487	2388	2399	2417	rVB	716679	1386833	1.46%	0.266%
11	9.625	2433	2442	2456	rVB5	1203545	2743319	2.89%	0.527%
12	10.059	2566	2577	2589	rBV	640052	1219596	1.29%	0.234%
13	11.381	2975	2988	3000	rBV	578509	1051483	1.11%	0.202%
14	11.484	3006	3020	3039	rVB	10232448	17960489	18.95%	3.451%
15	11.599	3039	3056	3087	rVB	19301701	38207638	40.32%	7.341%
16	11.921	3144	3156	3173	rVB	782188	1314618	1.39%	0.253%
17	12.226	3236	3251	3274	rBV	13560008	23489829	24.79%	4.513%
18	12.567	3336	3357	3367	rBV	13407106	23105991	24.38%	4.440%
19	12.635	3367	3378	3383	rVV	22965565	40011122	42.22%	7.688%
20	12.667	3384	3388	3395	rVV	20713935	30532844	32.22%	5.867%
21	12.712	3395	3402	3423	rVB	23172955	39034833	41.19%	7.500%
22	12.869	3436	3451	3468	rBV	20716719	35955650	37.94%	6.908%
23	13.024	3484	3499	3522	rVB3	44494919	94769403	100.00%	18.209%
24	13.143	3522	3536	3547	rVV3	683437	1672819	1.77%	0.321%
25	13.210	3548	3557	3566	rVB	848586	1305176	1.38%	0.251%
26	13.352	3581	3601	3631	rVB	19389472	35280771	37.23%	6.779%
27	13.519	3631	3653	3661	rBV	15633274	30037410	31.70%	5.771%
28	13.561	3661	3666	3685	rVV3	5736818	10371796	10.94%	1.993%
29	13.715	3703	3714	3723	rVV	1499686	2354764	2.48%	0.452%
30	13.779	3723	3734	3738	rVV	3247157	5098571	5.38%	0.980%
31	13.808	3739	3743	3751	rVV	2874966	3871228	4.08%	0.744%
32	13.863	3751	3760	3770	rVV	4983221	7676196	8.10%	1.475%
33	13.921	3770	3778	3784	rVV	664525	1020360	1.08%	0.196%
34	13.969	3784	3793	3806	rVB2	2429232	3946808	4.16%	0.758%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

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\82N061620W.M
Title : SW846 8260

35	14.104	3823	3835	3846	rVB	1297640	2044911	2.16%	0.393%
36	14.184	3847	3860	3866	rBV	3215163	5164543	5.45%	0.992%
37	14.223	3866	3872	3882	rVB	4679495	6938831	7.32%	1.333%
38	14.448	3933	3942	3953	rBV	2625176	3991852	4.21%	0.767%
39	14.567	3965	3979	3991	rBV3	5196623	10388130	10.96%	1.996%
40	14.715	4014	4025	4041	rBV2	667987	1144503	1.21%	0.220%
41	14.828	4041	4060	4078	rVV5	463285	1428115	1.51%	0.274%
42	15.104	4125	4146	4160	rBV	6693727	12078314	12.74%	2.321%
43	16.123	4449	4463	4493	rVB	2256225	4465863	4.71%	0.858%
44	16.313	4506	4522	4549	rVB	1170562	2495733	2.63%	0.480%

Sum of corrected areas: 520459907

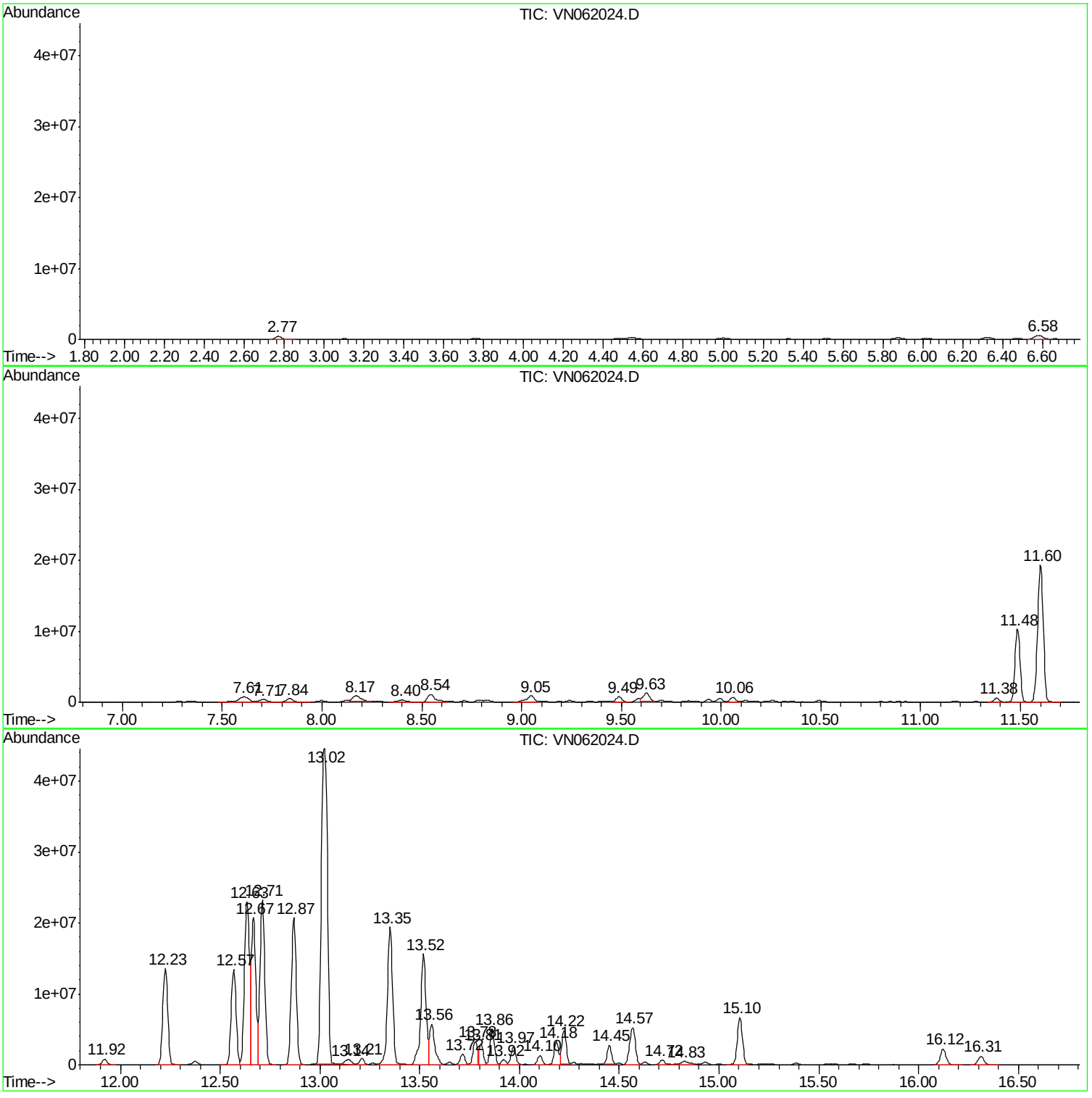
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.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\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

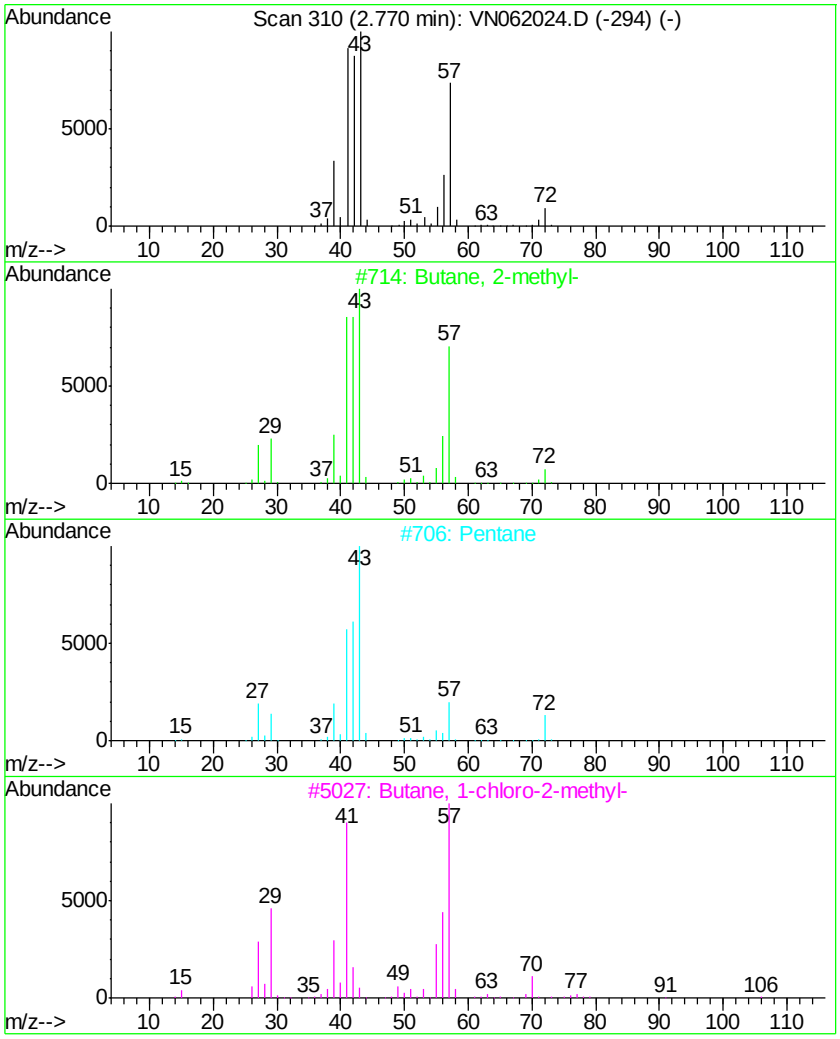
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

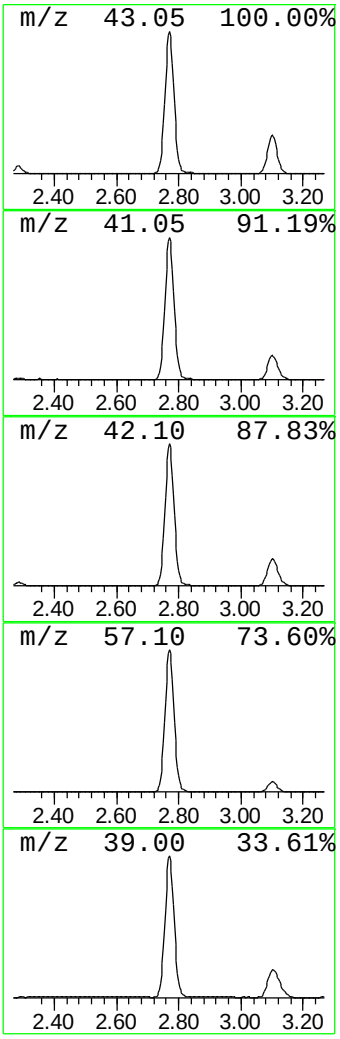
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	16.66 ug/l	951410	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Pentane	72	C5H12	000109-66-0	28
3	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	27
4	3-Buten-1-ol	72	C4H8O	000627-27-0	25
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

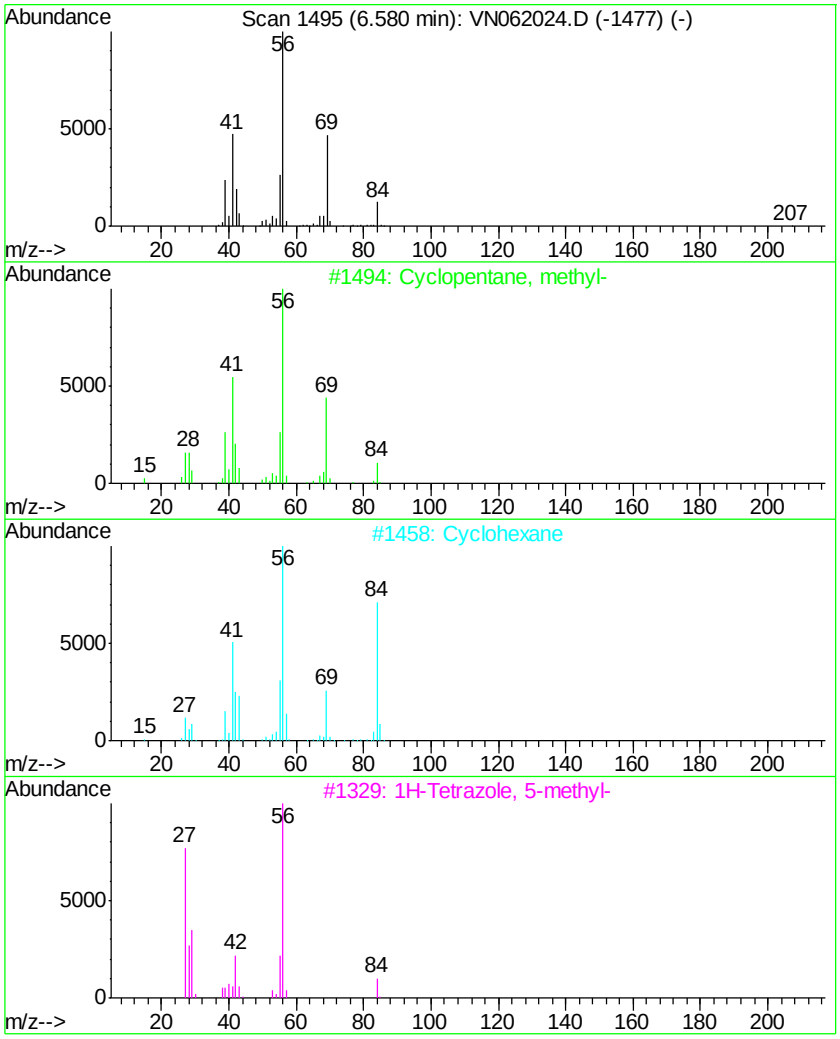
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

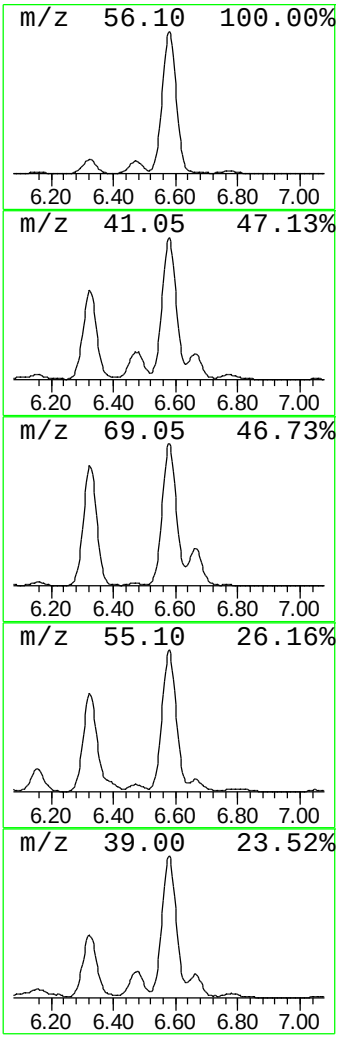
****

Peak Number 2 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	29.09 ug/l	1660580	Pentafluorobenzene	7.63

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	83
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

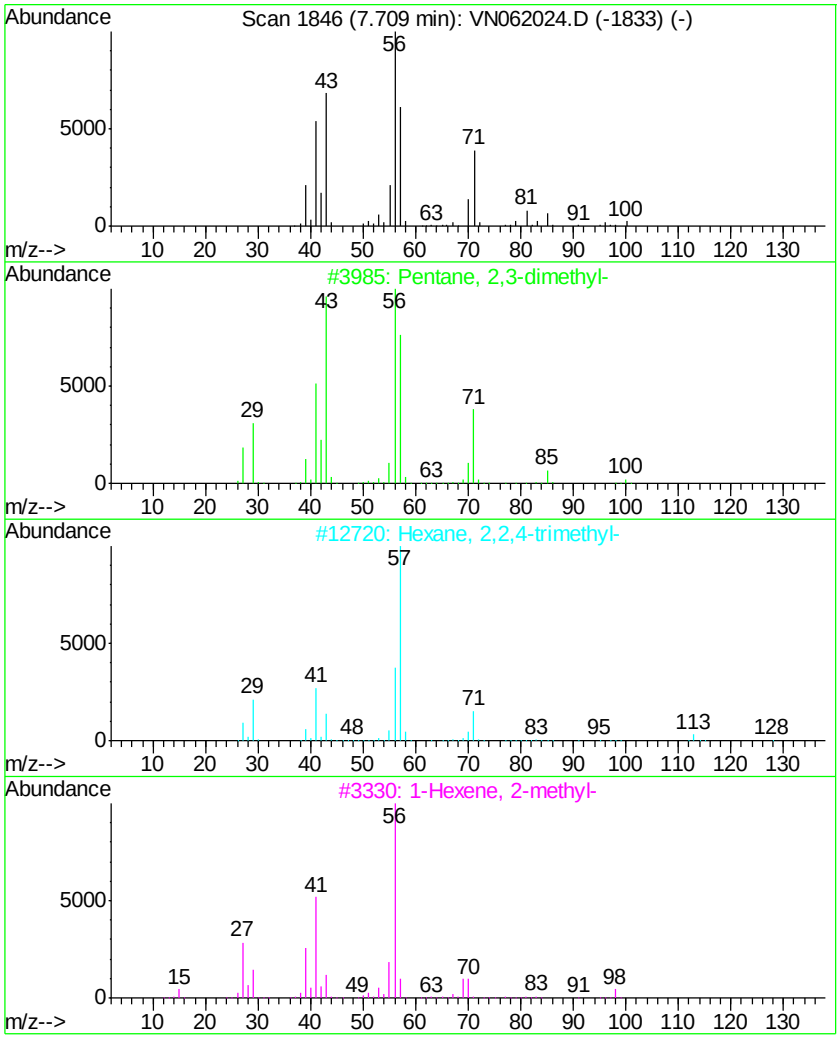
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

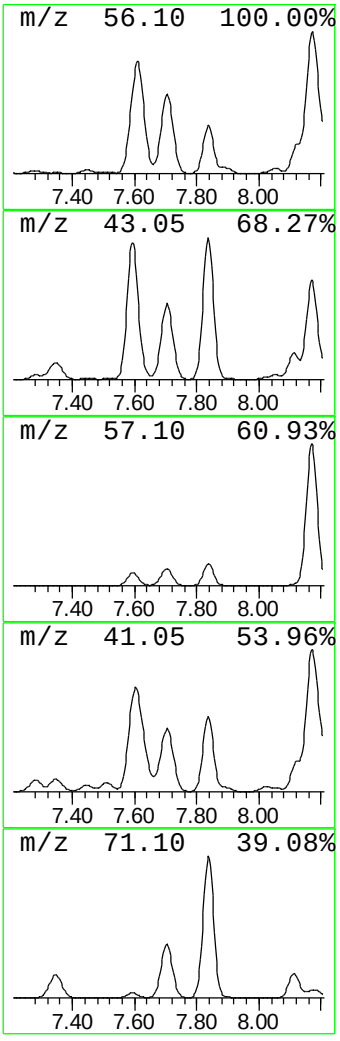
****

Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	19.24 ug/l	1098420	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56
3	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	47
4	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	43
5	Heptane	100	C7H16	000142-82-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

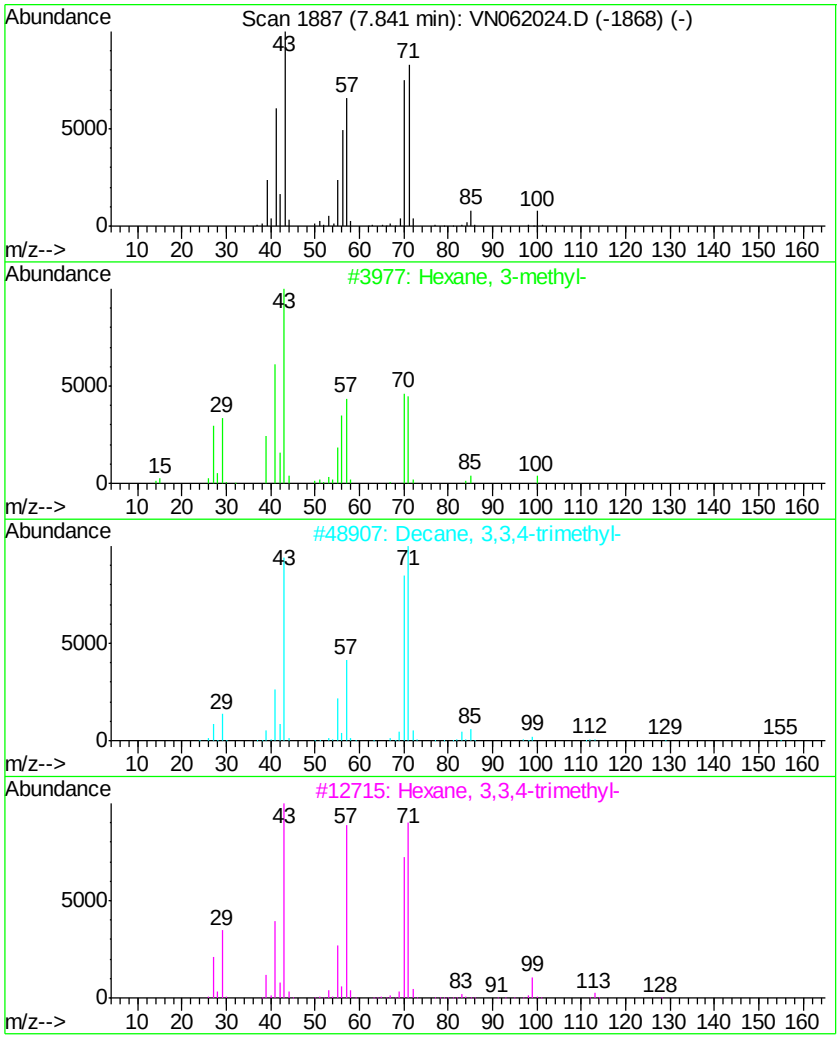
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

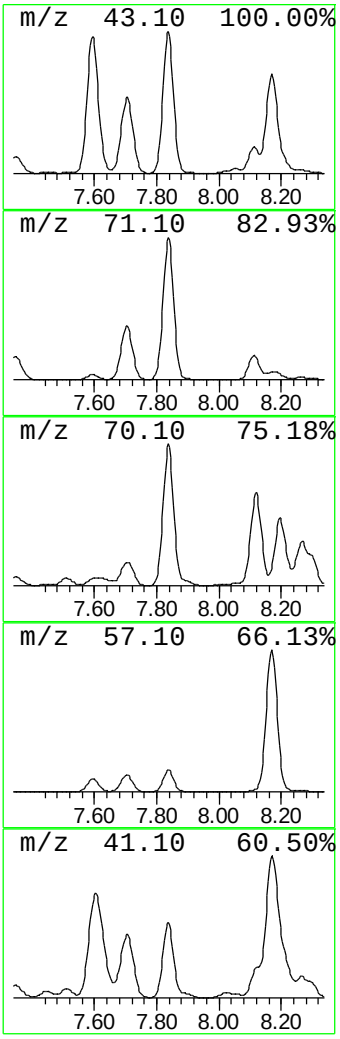
****

Peak Number 4 Hexane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	22.74 ug/l	1298170	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

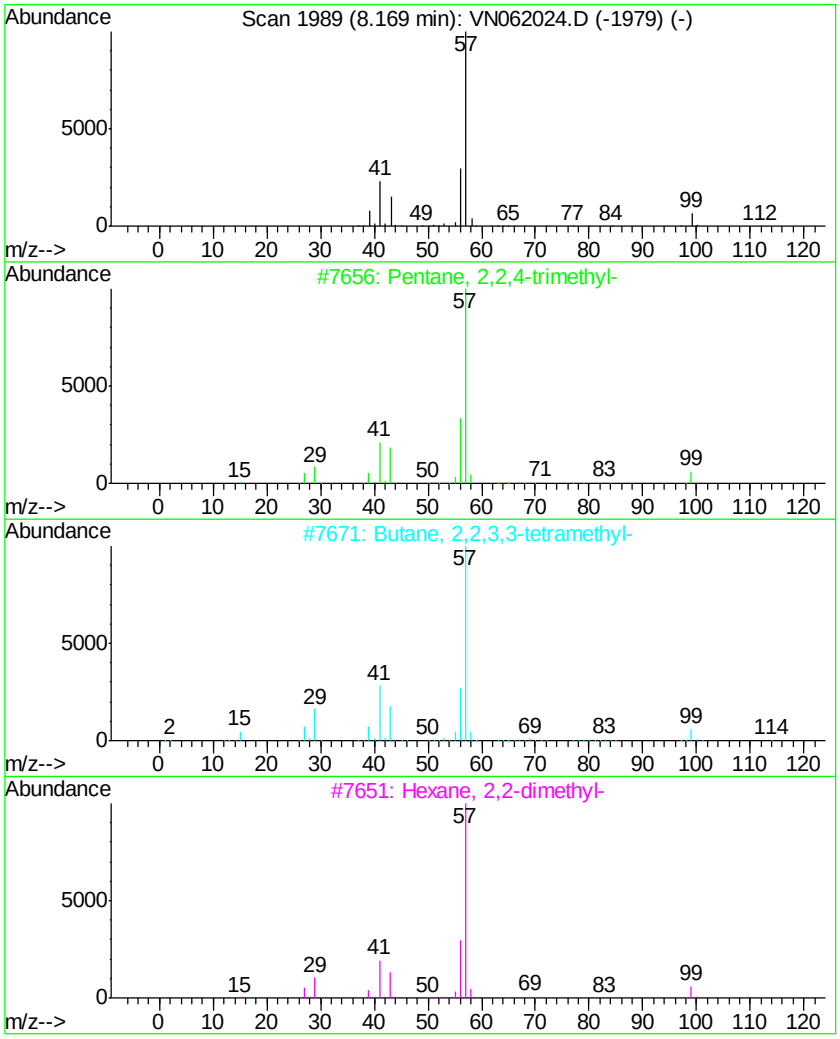
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

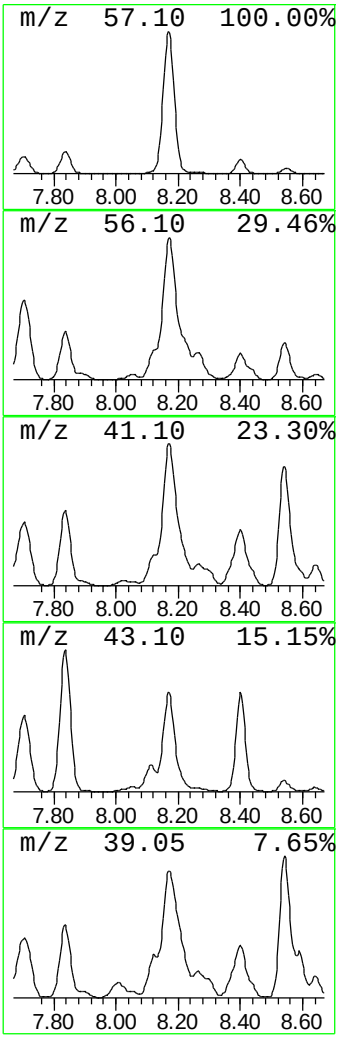
****

Peak Number 5 Pentane, 2,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	38.22 ug/l	2363540	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	74
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	64
5	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

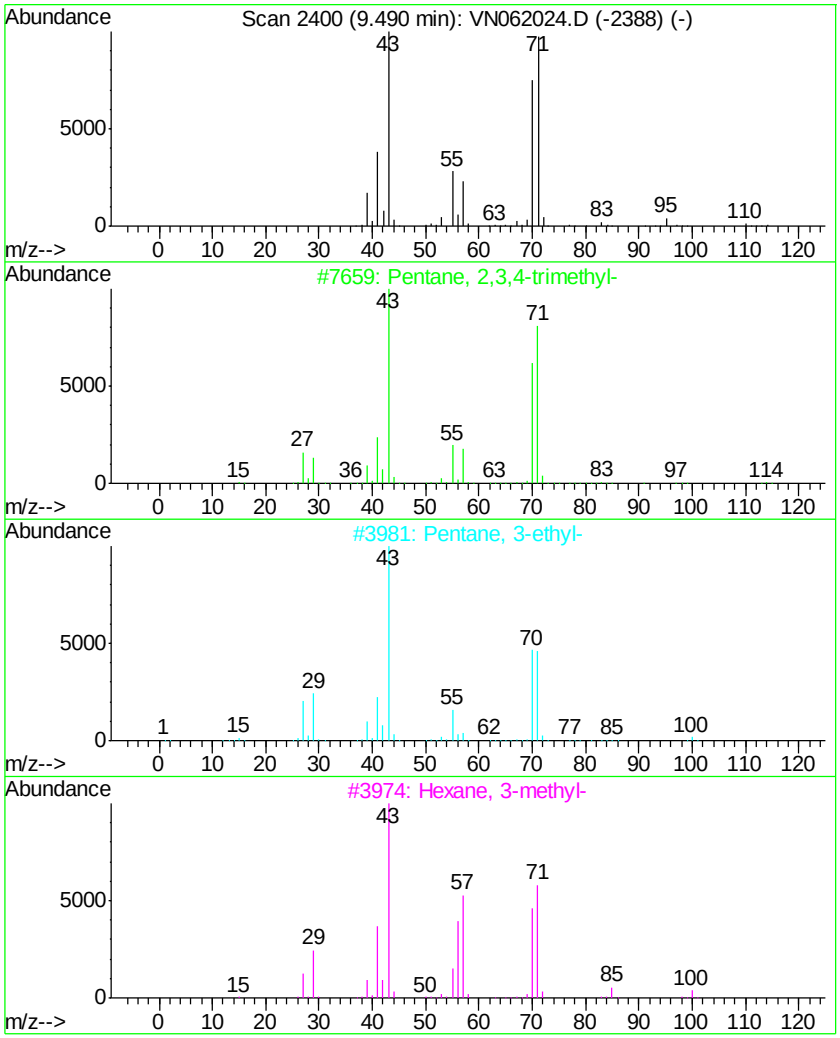
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

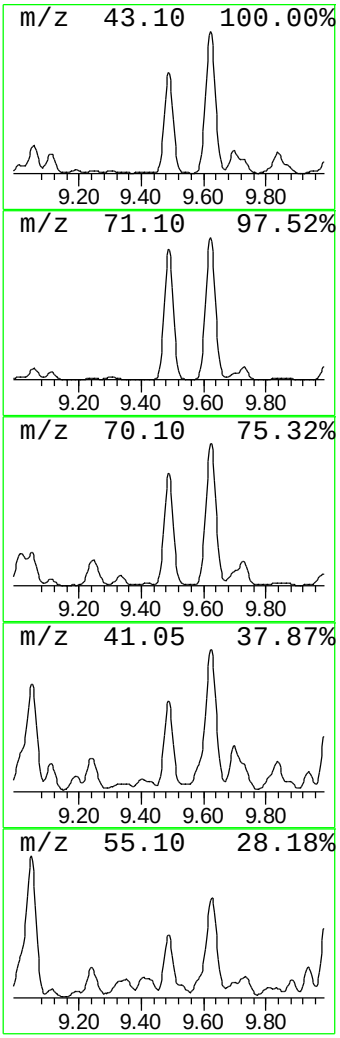
****

Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	22.43 ug/l	1386830	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
4	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	78
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

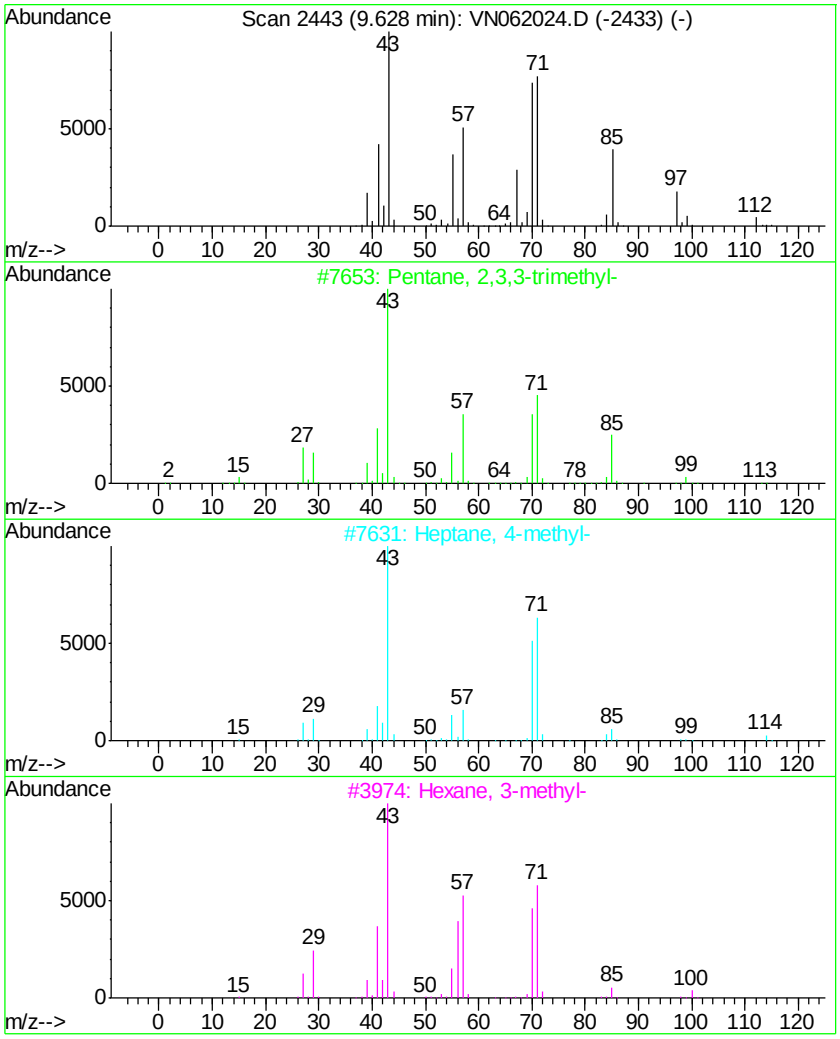
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

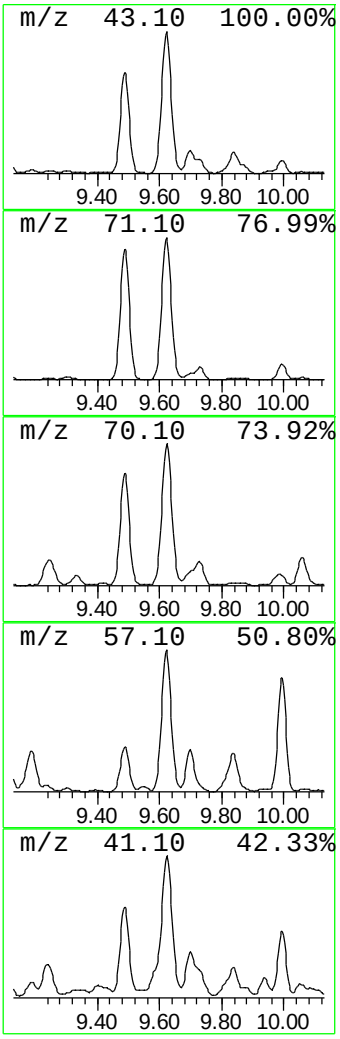
****

Peak Number 7 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	44.36 ug/l	2743320	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
5	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

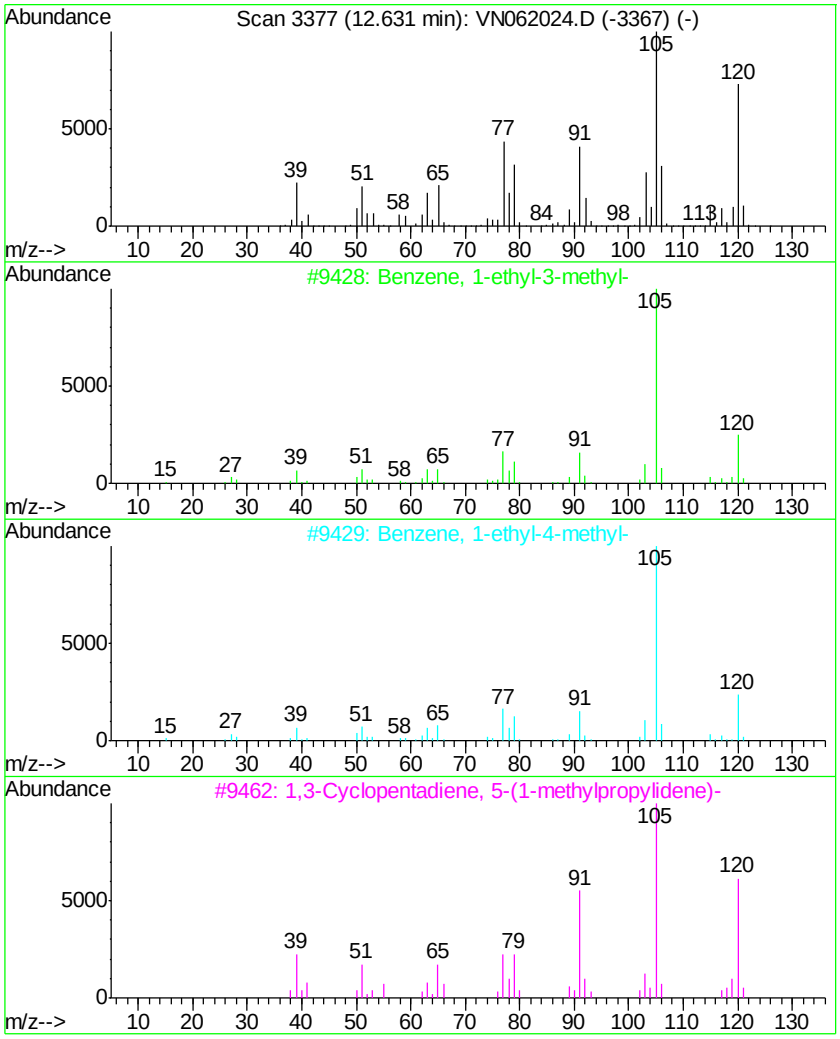
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

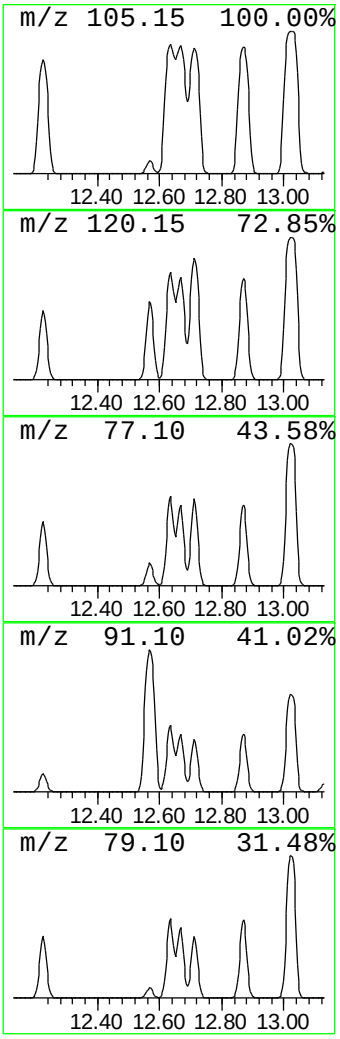
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	56.70 ug/l	40011100	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
3	1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	80
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

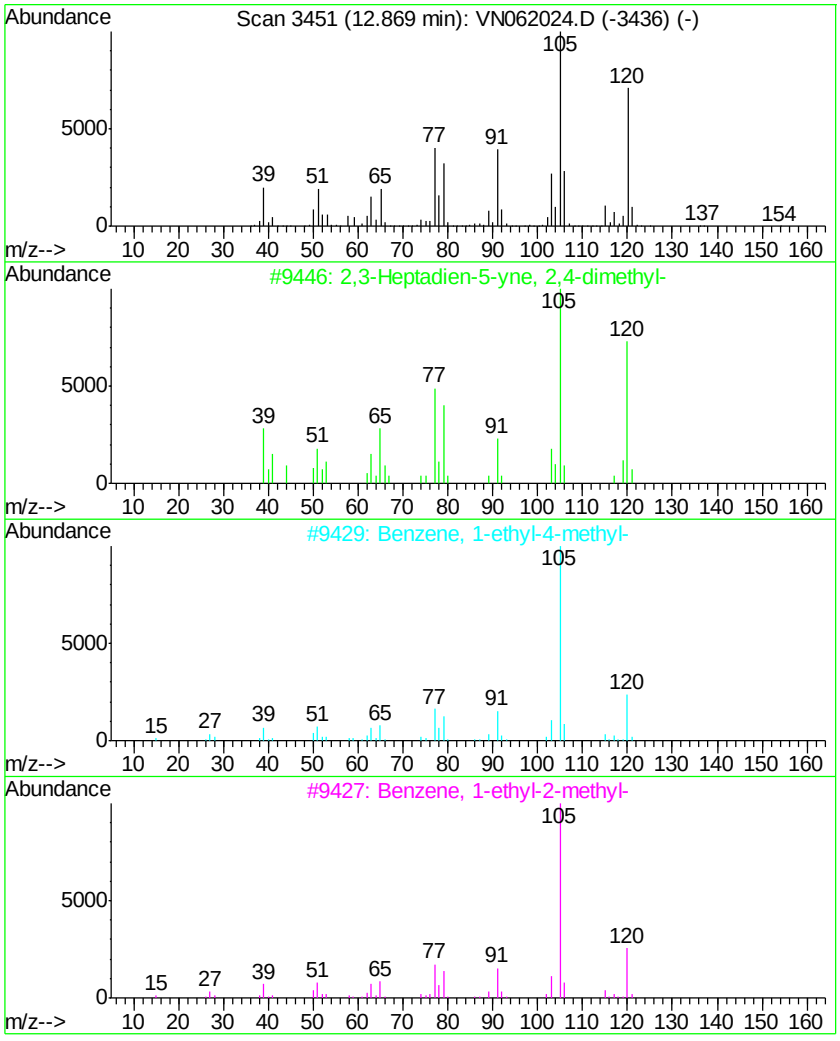
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

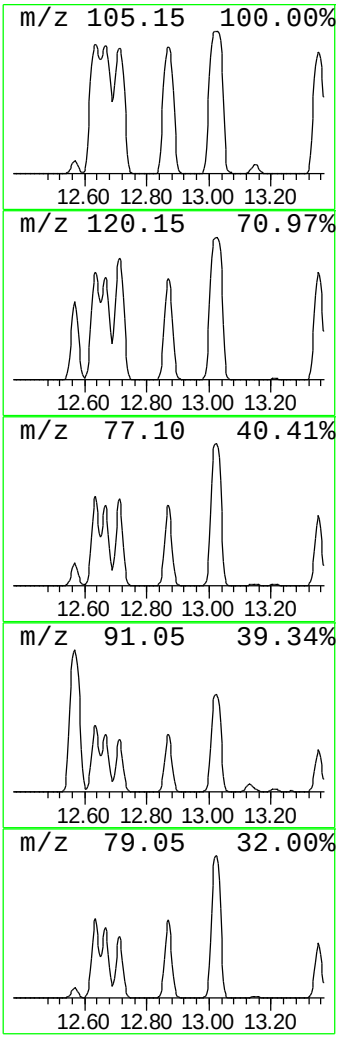
****

Peak Number 9 2,3-Heptadien-5-yne, 2,4-di... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	50.96 ug/l	35955700	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	74
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	64
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260

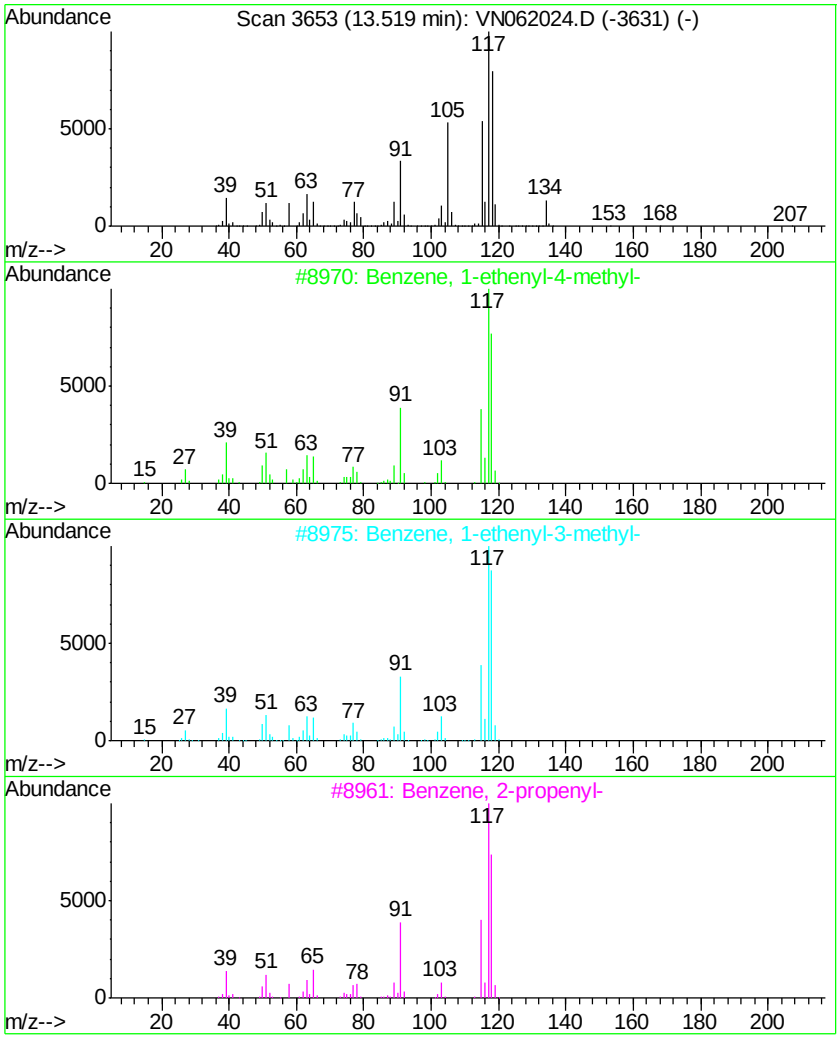
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

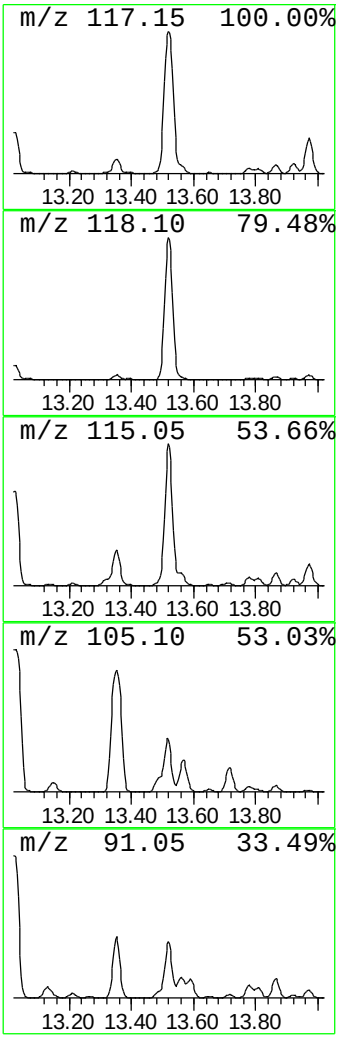
****

Peak Number 10 Benzene, 1-ethenyl-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	42.57 ug/l	30037400	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	95
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062220\
Data File : VN062024.D
Acq On : 23 Jun 2020 2:21
Operator : JC/MD
Sample : L3071-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : TW-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.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-methyl-	2.77	16.7	ug/l	951410	1	7.63	2854610	50.0
Cyclopentane, met...	6.58	29.1	ug/l	1660580	1	7.63	2854610	50.0
Pentane, 2,3-dime...	7.71	19.2	ug/l	1098420	1	7.63	2854610	50.0
Hexane, 3-methyl-	7.84	22.7	ug/l	1298170	1	7.63	2854610	50.0
Pentane, 2,2,4-tr...	8.17	38.2	ug/l	2363540	2	8.55	3091770	50.0
Pentane, 2,3,4-tr...	9.49	22.4	ug/l	1386830	2	8.55	3091770	50.0
Pentane, 2,3,3-tr...	9.63	44.4	ug/l	2743320	2	8.55	3091770	50.0
Benzene, 1-ethyl-...	12.63	56.7	ug/l	40011100	4	13.32	35280800	50.0
2,3-Heptadien-5-y...	12.87	51.0	ug/l	35955700	4	13.32	35280800	50.0
Benzene, 1-etheny...	13.52	42.6	ug/l	30037400	4	13.32	35280800	50.0