LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

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\82N093020W.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	2.772	308	321	336	rBV	67493	136167	3.18%	0.716%
2	3.107	411	425	440	rBV5	21746	49679	1.16%	0.261%
3	3.528	538	556	576	rBV2	61946	153864	3.60%	0.809%
4	3.775	615	633	652	rBV2	15732	47065	1.10%	0.247%
5	4.586	861	885	914	rVB3	46738	194602	4.55%	1.023%
6	4.730	914	930	950	rVB3	13735	43178	1.01%	0.227%
7	4.997	1001	1013	1038	rVB4	13134	46309	1.08%	0.243%
8	5.881	1269	1288	1314	rBV5	22800	88508	2.07%	0.465%
9	6.579	1485	1505	1523	rBV3	99382	312389	7.31%	1.642%
10	7.348	1732	1744	1761	rVB3	21774	57940	1.35%	0.305%
11	7.550	1786	1807	1817	rBV2	199565	523193	12.24%	2.751%
12	7.624	1817	1830	1848	rVB2	458192	1179403	27.58%	6.201%
13	8.000	1927	1947	1968	rBV2	1727681	4276068	100.00%	22.481%
14	8.135	1968	1989	2001	rVV8	53651	171364	4.01%	0.901%
15	8.261	2017	2028	2041	rVV10	26731	64468	1.51%	0.339%
16	8.550	2103	2118	2138	rBV	572110	1222556	28.59%	6.428%
17	9.045	2250	2272	2288	rVB3	88186	215916	5.05%	1.135%
18	9.582	2426	2439	2449	rBV2	51890	96595	2.26%	0.508%
19	9.936	2538	2549	2560	rBV3	53925	104115	2.43%	0.547%
20	10.058	2574	2587	2600	rBV	870220	1605680	37.55%	8.442%
21	10.122	2601	2607	2618	rVB	50054	87729	2.05%	0.461%
22	10.274	2645	2654	2665	rVB3	75247	139481	3.26%	0.733%
23	10.351	2665	2678	2688	rBV2	78764	137830	3.22%	0.725%
24	10.489	2710	2721	2737	rVB7	23694	52792	1.23%	0.278%
25	11.380	2984	2998	3018	rBV	877036	1563877	36.57%	8.222%
26	11.489	3022	3032	3047	rVV9	16654	50030	1.17%	0.263%
27	11.595	3051	3065	3086	rVB2	56595	128643	3.01%	0.676%
28	11.923	3157	3167	3180	rVB2	29623	54638	1.28%	0.287%
29	12.225	3249	3261	3278	rVB	134606	235646	5.51%	1.239%
30	12.376	3295	3308	3327	rBV	692029	1185643	27.73%	6.233%
31	12.566	3355	3367	3383	rBV	215278	359091	8.40%	1.888%
32	12.663	3385	3397	3406	rVV5	34117	71168	1.66%	0.374%
33	12.865	3447	3460	3473	rBV	135630	227840	5.33%	1.198%
34	13.318	3588	3601	3616	rBV	813987	1360244	31.81%	7.151%

LSC Area Percent Report

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Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

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\82N093020W.M
Title : SW846 8260

35	13.518	3645	3663	3674	rVV	674950	1191356	27.86%	6.263%
36	13.566	3674	3678	3693	rVV4	34347	66470	1.55%	0.349%
37	13.862	3759	3770	3780	rBV	164756	267247	6.25%	1.405%
38	13.920	3780	3788	3794	rVV3	39957	60114	1.41%	0.316%
39	13.968	3794	3803	3819	rVB	219535	365380	8.54%	1.921%
40	14.183	3857	3870	3879	rBV	122001	206792	4.84%	1.087%
41	14.460	3946	3956	3965	rBV7	23550	45231	1.06%	0.238%
42	14.556	3976	3986	3999	rBV4	56002	108192	2.53%	0.569%
43	14.630	4000	4009	4019	rBV4	46485	76176	1.78%	0.400%
44	14.714	4027	4035	4046	rBV3	30865	52529	1.23%	0.276%
45	14.823	4057	4069	4079	rBV6	64302	139563	3.26%	0.734%
46	14.929	4092	4102	4118	rVB3	60157	132856	3.11%	0.698%
47	16.312	4519	4532	4548	rBV4	29858	65054	1.52%	0.342%

Sum of corrected areas: 19020671

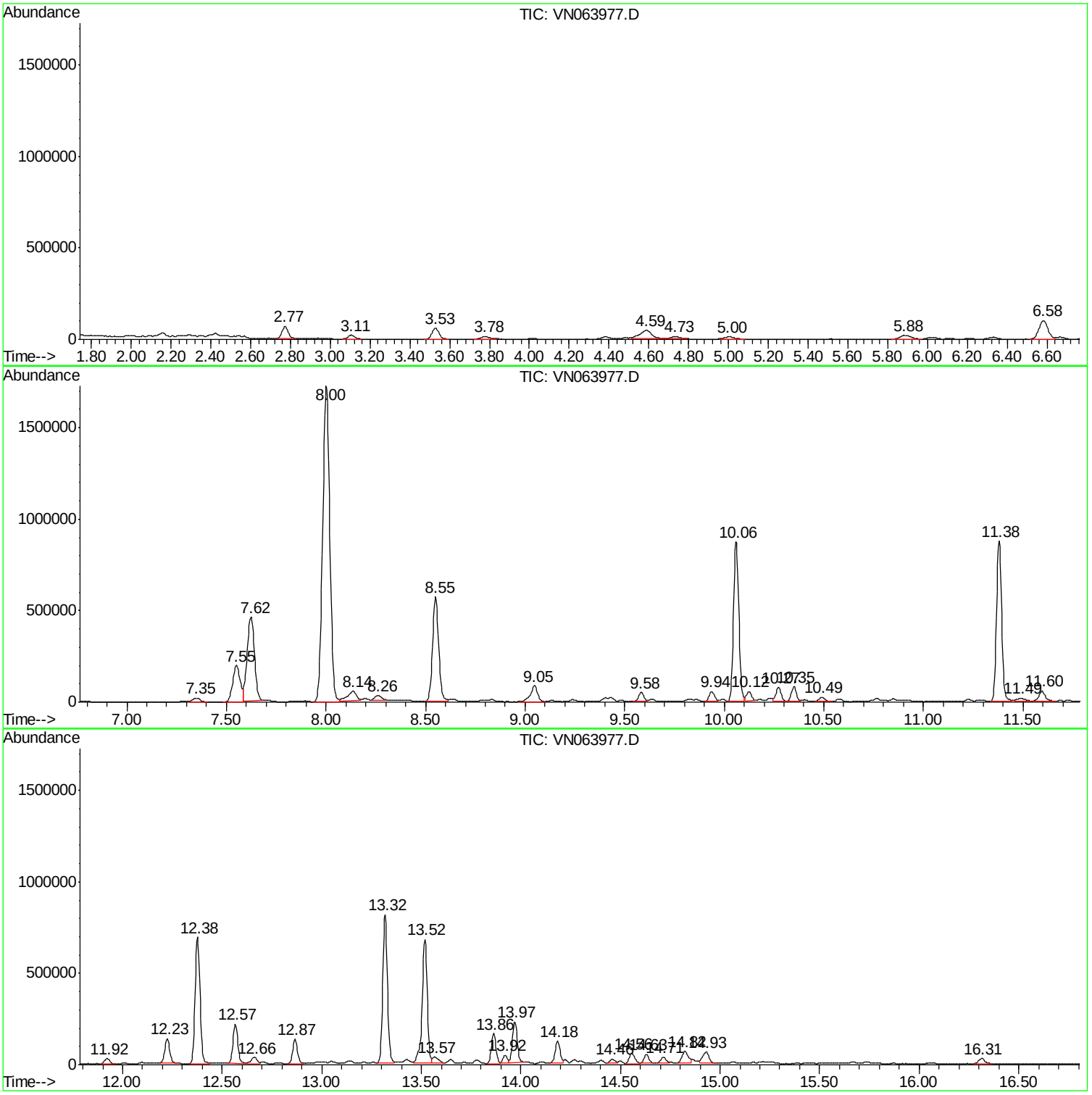
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.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\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

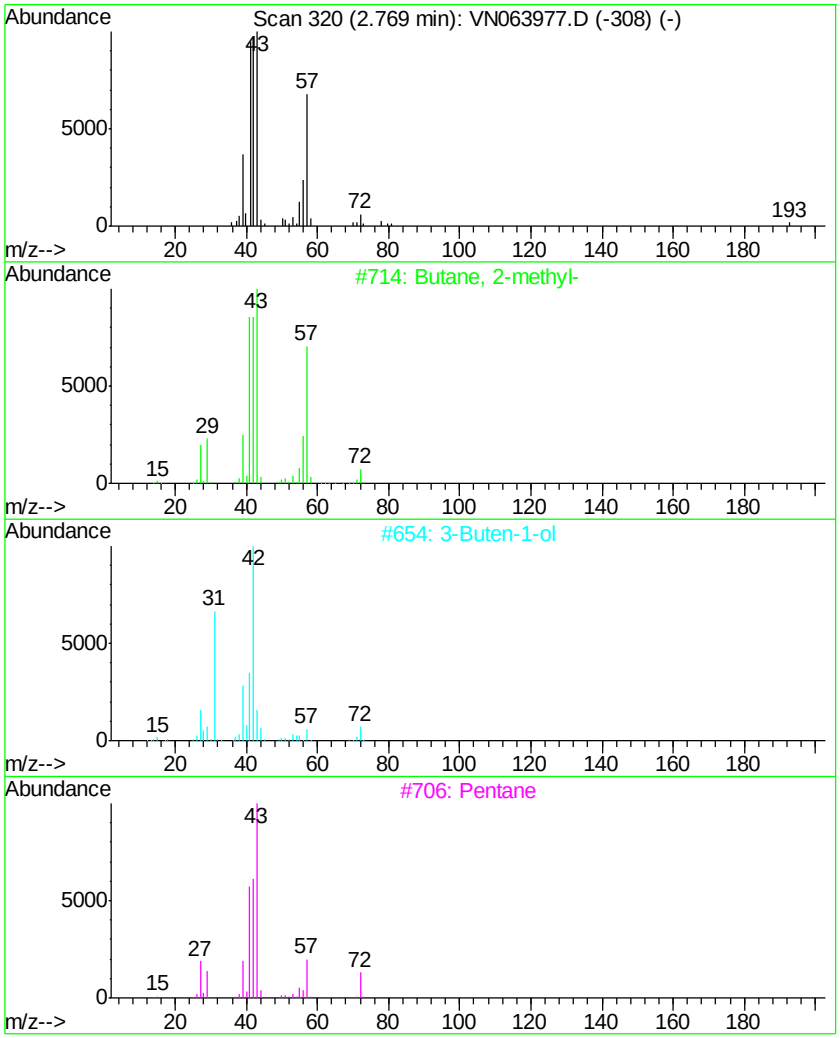
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

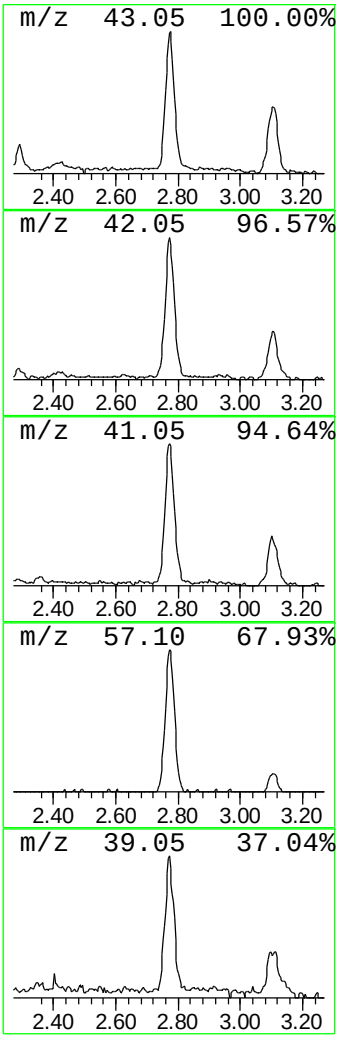
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	5.77 ug/l	136167	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	87
2	3-Buten-1-ol	72	C4H8O	000627-27-0	43
3	Pentane	72	C5H12	000109-66-0	42
4	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	28
5	Butane, 1-isocyano-	83	C5H9N	002769-64-4	16





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

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

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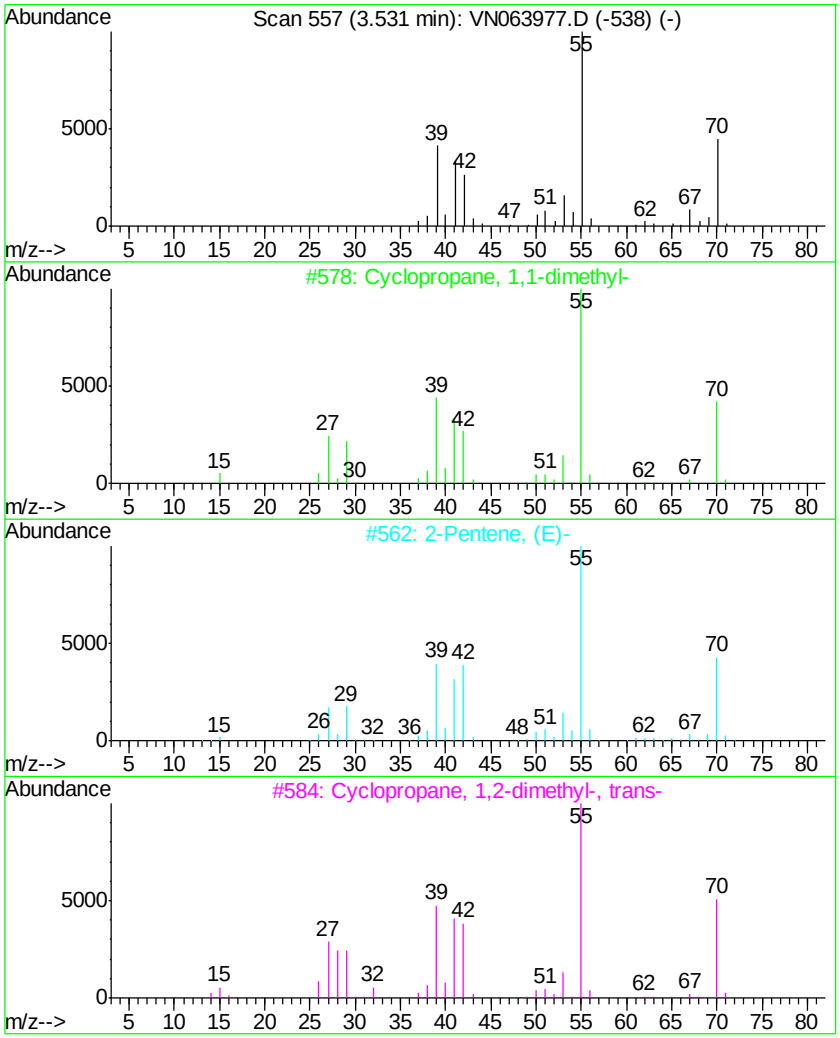
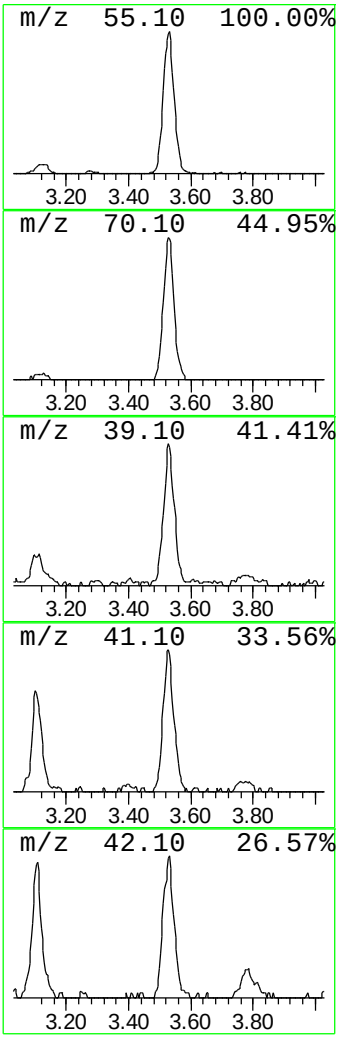
Peak Number 2 Cyclopropane, 1,1-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	6.52 ug/l	153864	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
2	2-Pentene, (E)-	70	C5H10	000646-04-8	74
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	64
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	64
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

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

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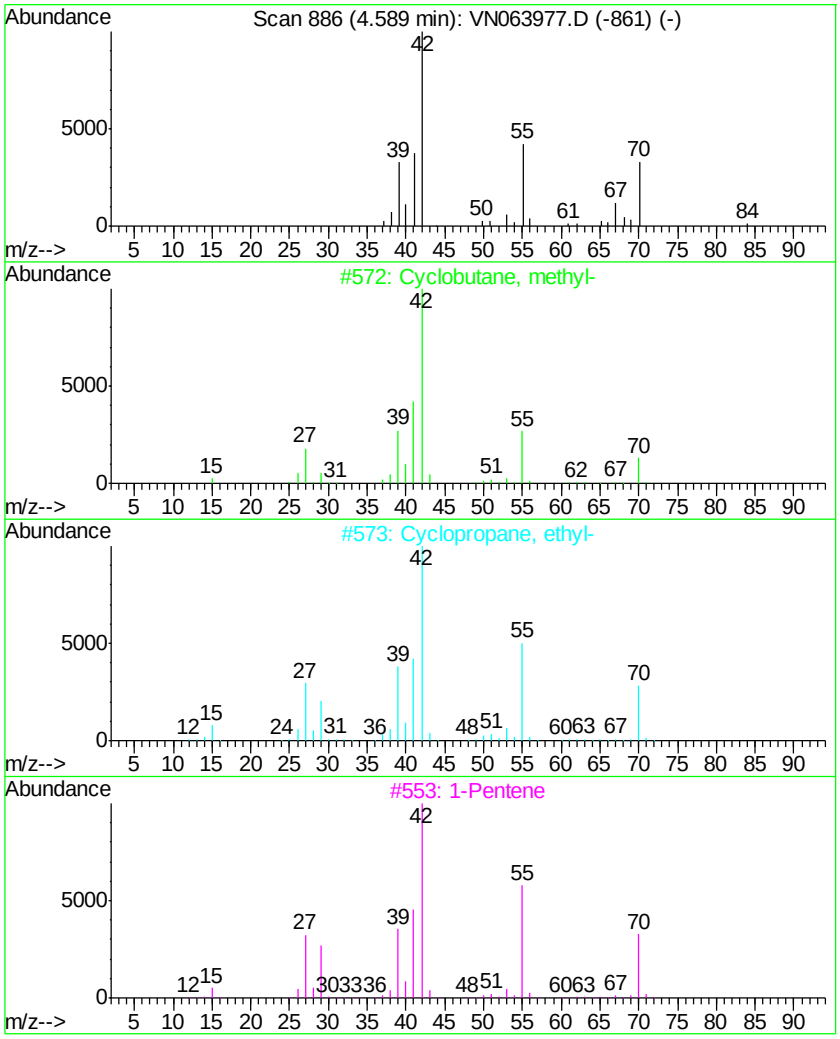
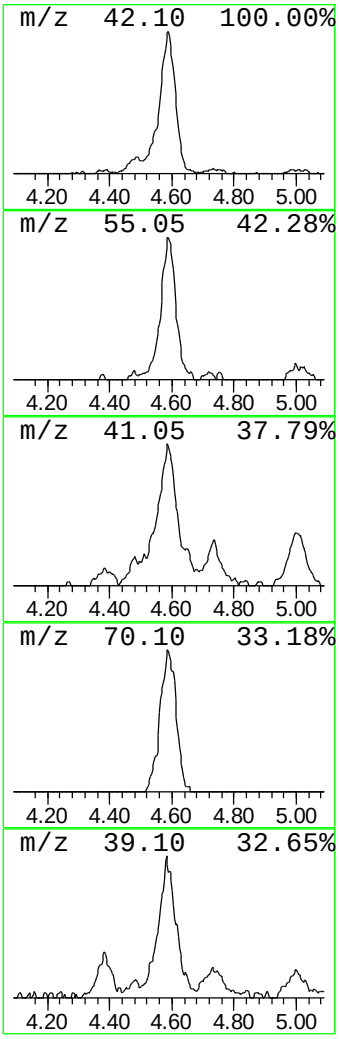
Peak Number 3 Cyclobutane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	8.25 ug/l	194602	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
3	1-Pentene	70	C5H10	000109-67-1	64
4	2(3H)-Furanone, dihydro-3,5-dime...	114	C6H10O2	005145-01-7	45
5	Propanenitrile, 2,2-dimethyl-	83	C5H9N	000630-18-2	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

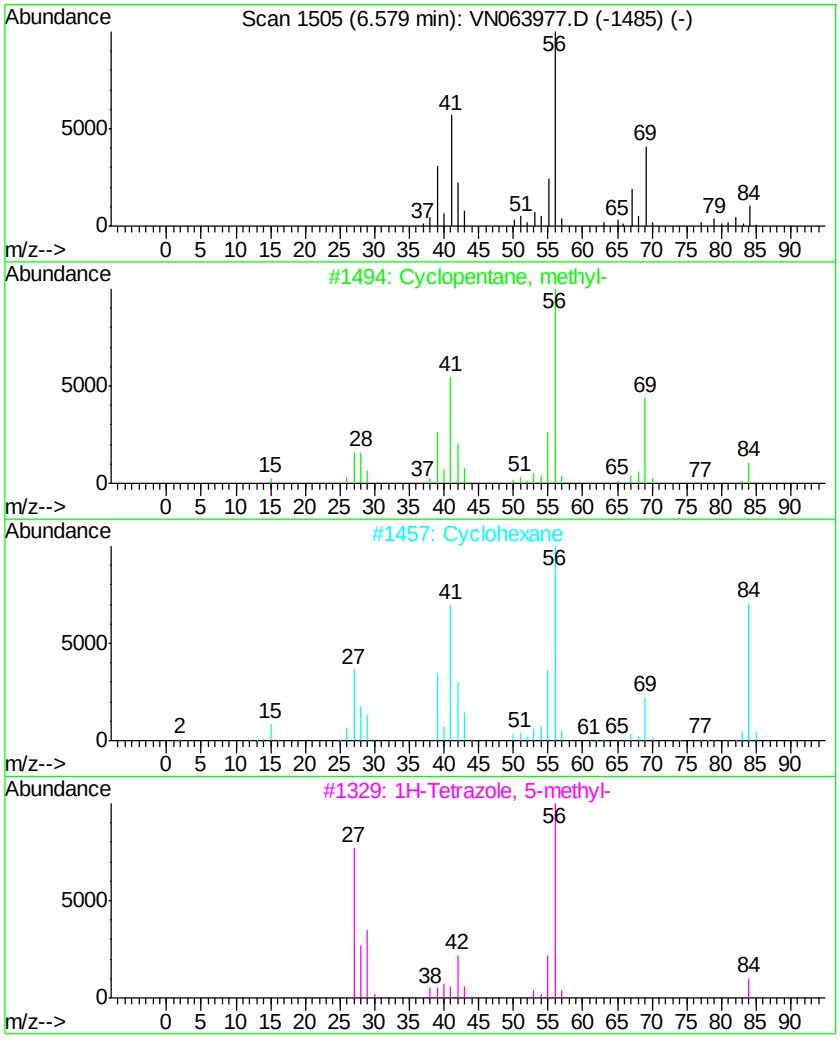
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

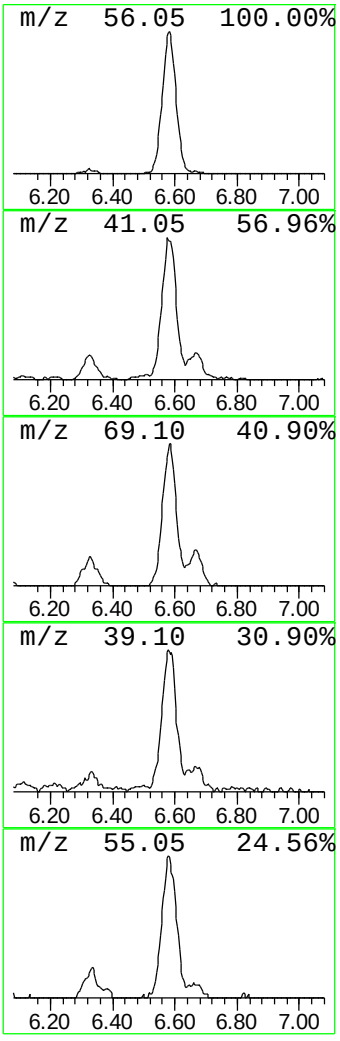
****

Peak Number 4 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	13.24 ug/l	312389	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	81
2	Cyclohexane	84	C6H12	000110-82-7	64
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	52
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	50
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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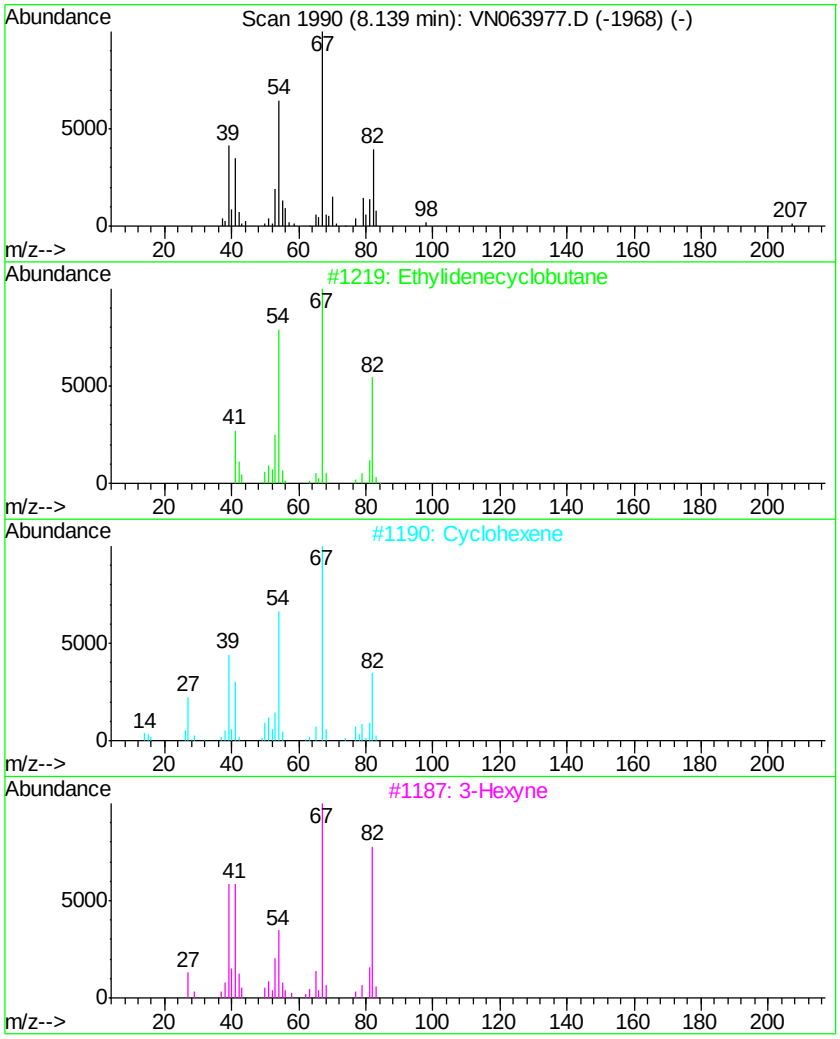
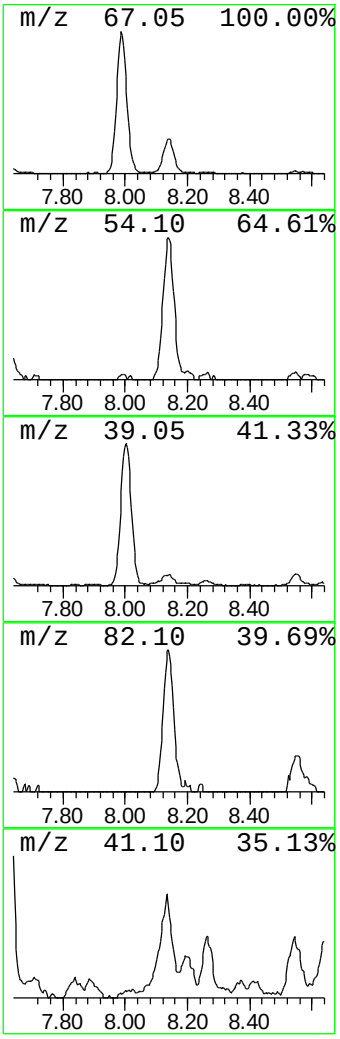
****

Peak Number 5 Ethylidenecyclobutane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	7.01 ug/l	171364	1,4-Difluorobenzene	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylidenecyclobutane	82	C6H10	001528-21-8	83
2	Cyclohexene	82	C6H10	000110-83-8	80
3	3-Hexyne	82	C6H10	000928-49-4	72
4	1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	72
5	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	64





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Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

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

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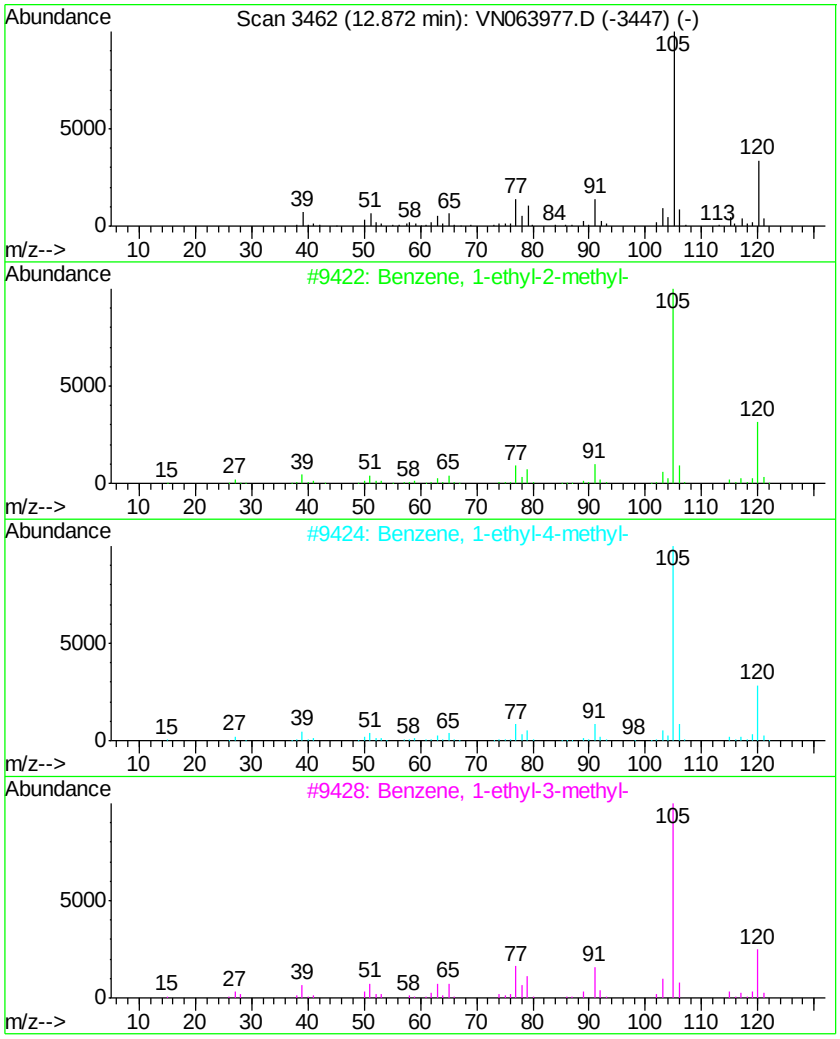
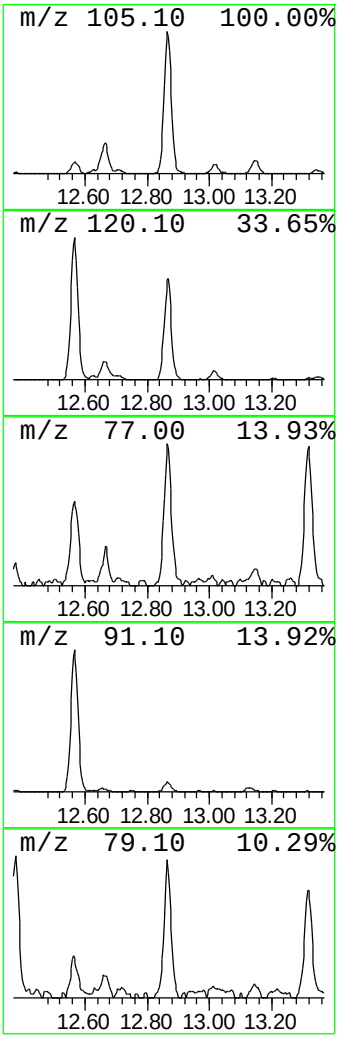
Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	8.37 ug/l	227840	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

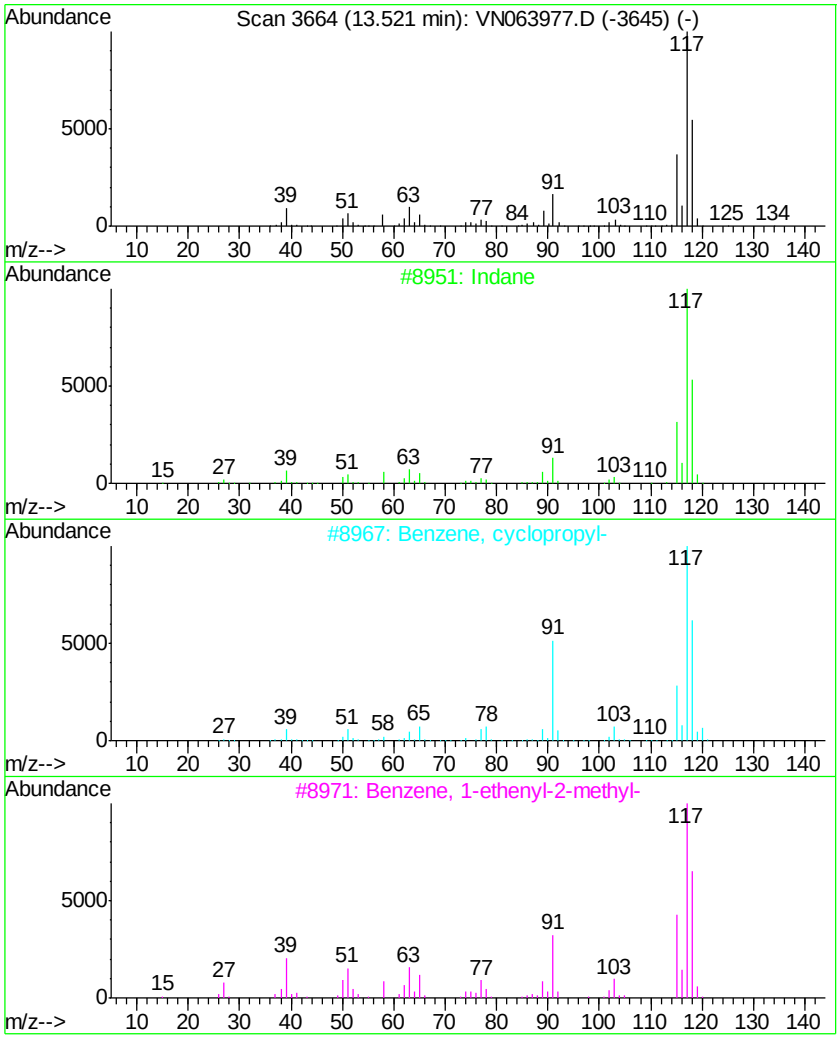
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

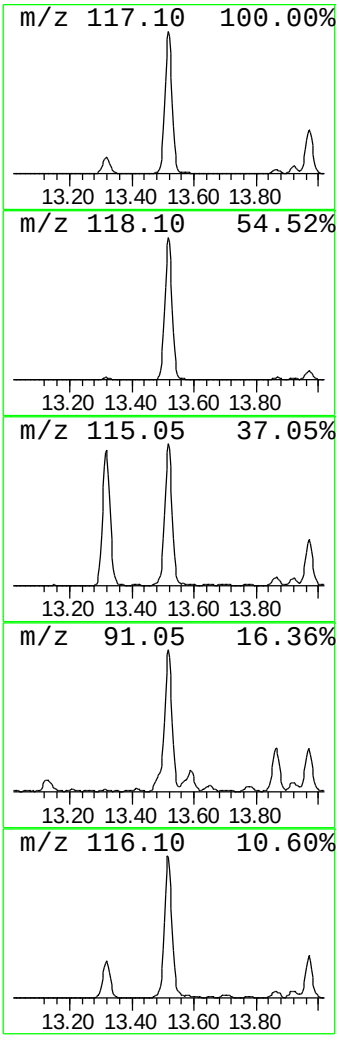
****

Peak Number 7 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	43.79 ug/l	1191360	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	72
5	Deltacyclene	118	C9H10	007785-10-6	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

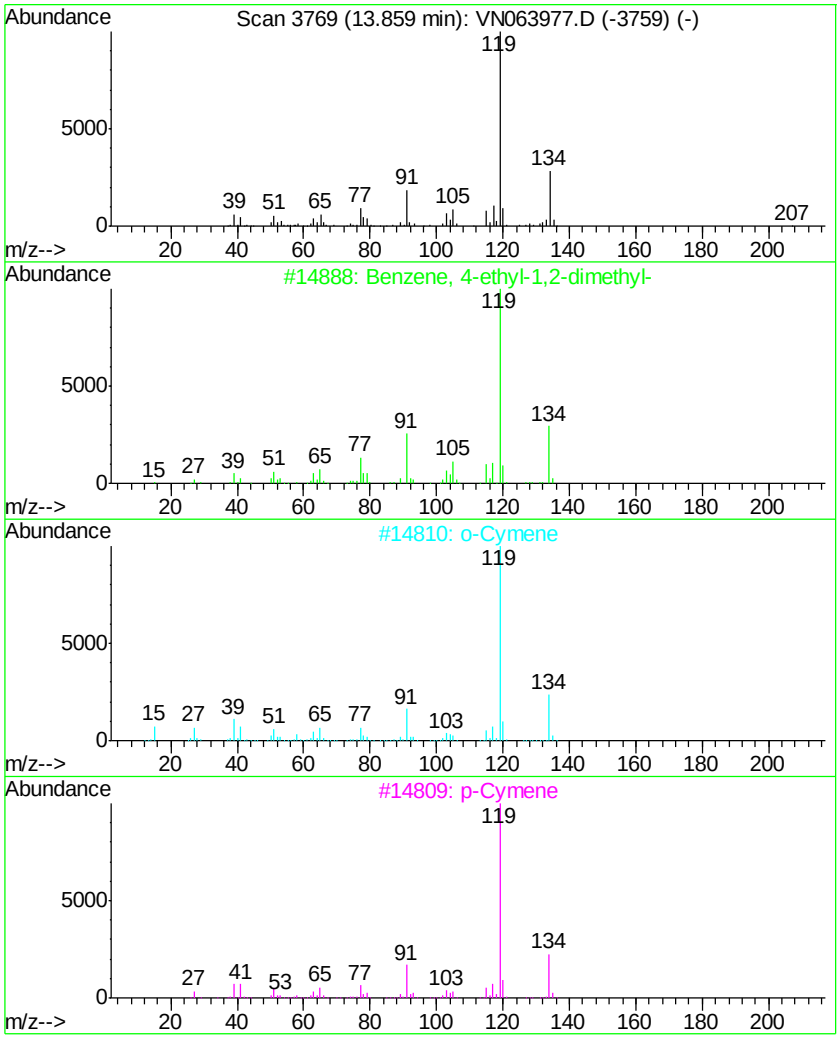
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

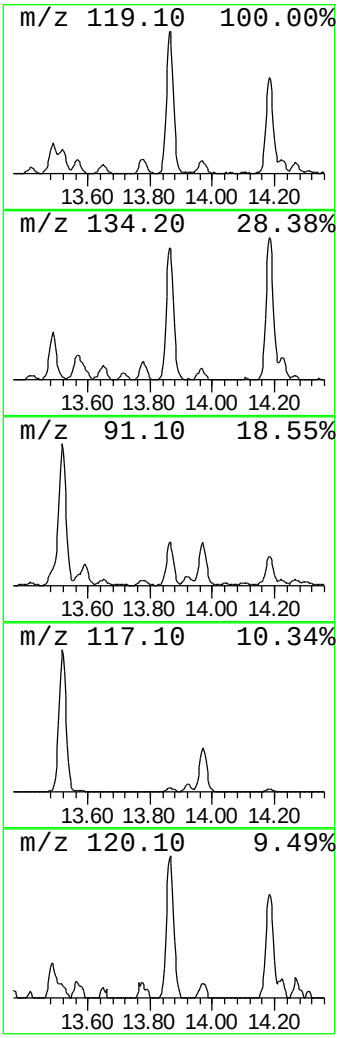
****

Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	9.82 ug/l	267247	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	p-Cymene	134	C10H14	000099-87-6	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

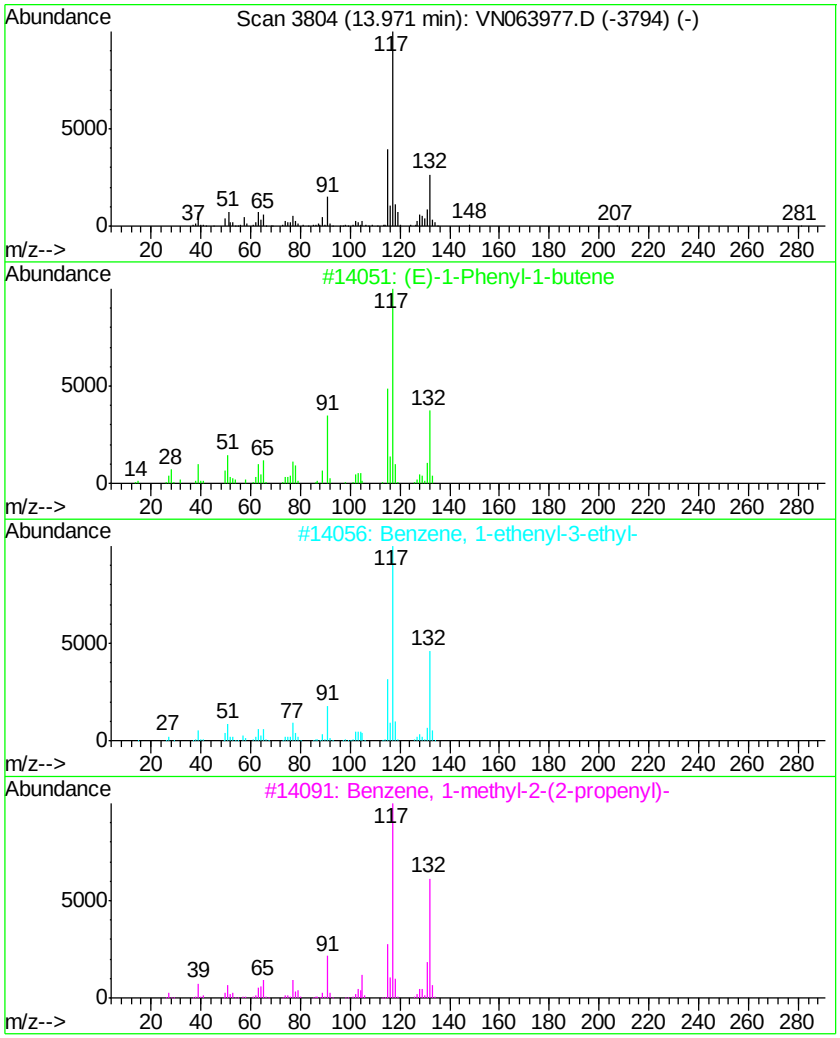
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

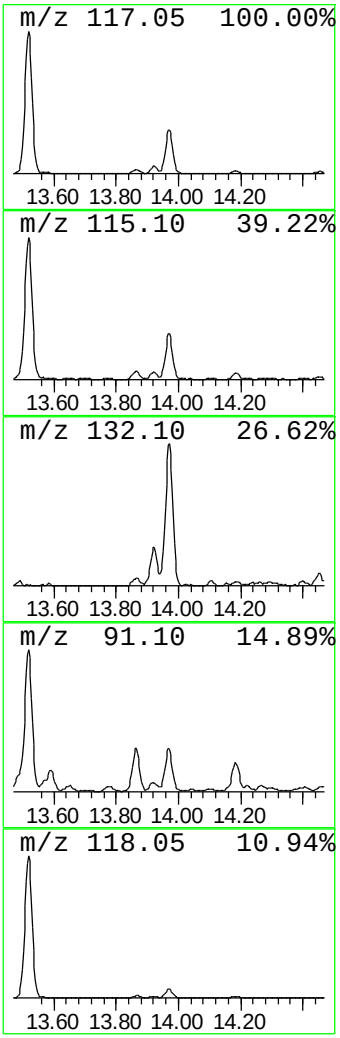
****

Peak Number 9 (E)-1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	13.43 ug/l	365380	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	91
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260

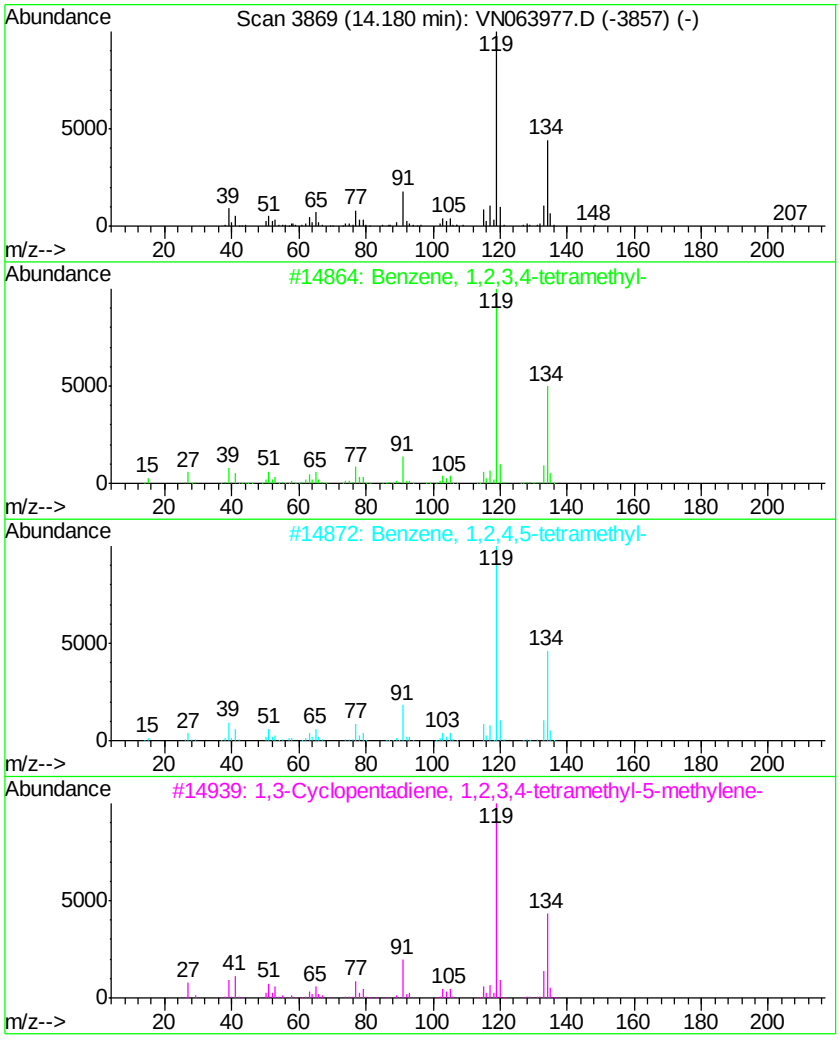
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

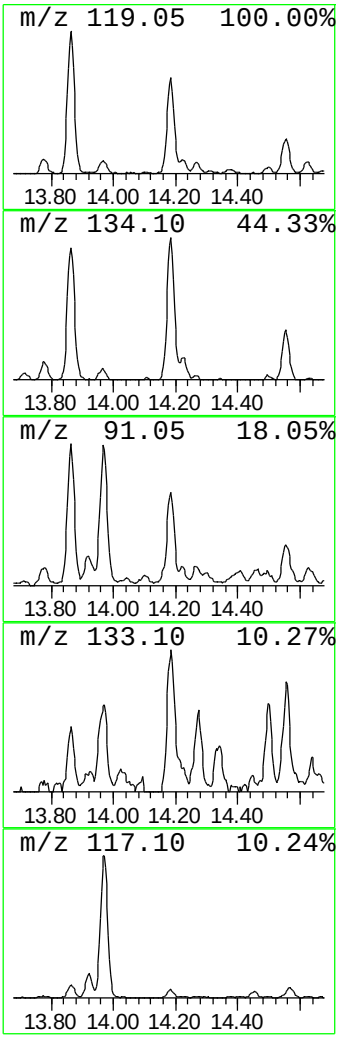
****

Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	7.60 ug/l	206792	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063977.D
Acq On : 8 Oct 2020 6:29
Operator : JC/MD
Sample : L4278-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.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	5.8	ug/l	136167	1	7.63	1179400	50.0
Cyclopropane, 1,1...	3.53	6.5	ug/l	153864	1	7.63	1179400	50.0
Cyclobutane, methyl-	4.59	8.3	ug/l	194602	1	7.63	1179400	50.0
Cyclopentane, met...	6.58	13.2	ug/l	312389	1	7.63	1179400	50.0
Ethylidenecyclobu...	8.14	7.0	ug/l	171364	2	8.55	1222560	50.0
Benzene, 1-ethyl-...	12.87	8.4	ug/l	227840	4	13.32	1360240	50.0
Indane	13.52	43.8	ug/l	1191360	4	13.32	1360240	50.0
Benzene, 4-ethyl-...	13.86	9.8	ug/l	267247	4	13.32	1360240	50.0
(E)-1-Phenyl-1-bu...	13.97	13.4	ug/l	365380	4	13.32	1360240	50.0
Benzene, 1,2,3,4-...	14.18	7.6	ug/l	206792	4	13.32	1360240	50.0