LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

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\82N120221W.M
Title : SW846 8260

Signal : TIC: VN070168.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.440	161	168	181	rVB2	65949	102315	2.02%	0.218%
2	3.132	411	426	449	rVB	311498	706687	13.98%	1.503%
3	3.508	555	566	584	rVB3	45318	103901	2.05%	0.221%
4	3.778	657	667	697	rVB	66806	160754	3.18%	0.342%
5	4.245	820	841	842	rBV3	29670	52434	1.04%	0.112%
6	5.071	1122	1149	1163	rBV3	150362	554107	10.96%	1.179%
7	5.393	1249	1269	1293	rBV4	21317	69162	1.37%	0.147%
8	5.616	1321	1352	1390	rBV4	240688	868517	17.18%	1.848%
9	7.045	1864	1885	1901	rBV4	28768	86080	1.70%	0.183%
10	7.144	1902	1922	1950	rVV4	246626	727868	14.40%	1.549%
11	7.337	1971	1994	2015	rBV7	15369	51468	1.02%	0.109%
12	8.024	2227	2250	2260	rBV3	640231	1532004	30.30%	3.259%
13	8.088	2261	2274	2293	rVV	1238015	2933494	58.02%	6.241%
14	8.174	2296	2306	2334	rVB3	110357	285340	5.64%	0.607%
15	8.298	2334	2352	2364	rBV4	35264	78213	1.55%	0.166%
16	8.440	2385	2405	2430	rBV2	859827	2152185	42.57%	4.579%
17	8.574	2435	2455	2459	rBV9	62151	149197	2.95%	0.317%
18	8.708	2493	2505	2525	rVB5	52786	130360	2.58%	0.277%
19	8.968	2582	2602	2630	rBV	1725022	3707350	73.32%	7.887%
20	9.427	2752	2773	2775	rBV4	81989	135541	2.68%	0.288%
21	9.641	2844	2853	2869	rVB4	32967	62408	1.23%	0.133%
22	9.883	2932	2943	2962	rVB3	81283	162811	3.22%	0.346%
23	9.974	2962	2977	2980	rBV4	48627	72311	1.43%	0.154%
24	10.014	2983	2992	3009	rVB3	159411	316389	6.26%	0.673%
25	10.204	3046	3063	3091	rBV3	135201	390770	7.73%	0.831%
26	10.333	3097	3111	3134	rVB2	96082	214610	4.24%	0.457%
27	10.443	3134	3152	3168	rBV	2707428	5056176	100.00%	10.757%
28	10.553	3187	3193	3205	rVB5	40729	66776	1.32%	0.142%
29	10.859	3296	3307	3326	rVB5	56274	125780	2.49%	0.268%
30	10.945	3327	3339	3354	rVB2	45223	84712	1.68%	0.180%
31	11.092	3372	3394	3401	rBV3	51910	113311	2.24%	0.241%
32	11.747	3619	3638	3660	rBV	2418069	4432030	87.66%	9.429%
33	11.846	3661	3675	3694	rVB	633935	1145909	22.66%	2.438%
34	11.953	3700	3715	3744	rVB	522326	1087935	21.52%	2.315%
35	12.280	3824	3837	3852	rVB2	97084	174030	3.44%	0.370%
36	12.581	3936	3949	3961	rBV	178469	294648	5.83%	0.627%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

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\82N120221W.M
Title : SW846 8260

37	12.734	3990	4006	4032	rBV	1807231	3193008	63.15%	6.793%
38	12.921	4062	4076	4091	rBV	502959	845014	16.71%	1.798%
39	13.018	4104	4112	4120	rVV	101494	148123	2.93%	0.315%
40	13.061	4121	4128	4147	rVB2	106134	176868	3.50%	0.376%
41	13.222	4174	4188	4200	rBV	195986	346480	6.85%	0.737%
42	13.369	4231	4243	4259	rVB	456306	787763	15.58%	1.676%
43	13.498	4276	4291	4305	rVB4	84399	206440	4.08%	0.439%
44	13.675	4342	4357	4387	rBV2	1884676	3853600	76.22%	8.198%
45	13.839	4406	4418	4425	rBV	636042	1003276	19.84%	2.134%
46	13.879	4426	4433	4442	rVV	574668	922395	18.24%	1.962%
47	13.919	4443	4448	4468	rVB3	236928	426726	8.44%	0.908%
48	14.002	4468	4479	4492	rVB2	103055	168653	3.34%	0.359%
49	14.069	4496	4504	4516	rVB2	34806	56065	1.11%	0.119%
50	14.134	4519	4528	4537	rBV5	42514	80938	1.60%	0.172%
51	14.217	4546	4559	4573	rBV	992000	1586807	31.38%	3.376%
52	14.281	4573	4583	4590	rVV3	112054	202946	4.01%	0.432%
53	14.329	4591	4601	4619	rVB3	353881	609613	12.06%	1.297%
54	14.541	4666	4680	4690	rBV	431400	717057	14.18%	1.526%
55	14.809	4769	4780	4793	rBV	254580	412145	8.15%	0.877%
56	14.930	4809	4825	4838	rBV4	139181	298663	5.91%	0.635%
57	15.083	4873	4882	4895	rVB5	73006	122373	2.42%	0.260%
58	15.196	4915	4924	4935	rBV4	59567	101235	2.00%	0.215%
59	15.311	4956	4967	4981	rVB4	80008	180561	3.57%	0.384%
60	15.507	5024	5040	5057	rBV	754723	1448472	28.65%	3.082%
61	15.807	5139	5152	5163	rBV2	50685	101417	2.01%	0.216%
62	16.617	5439	5454	5481	rVB2	254712	619502	12.25%	1.318%

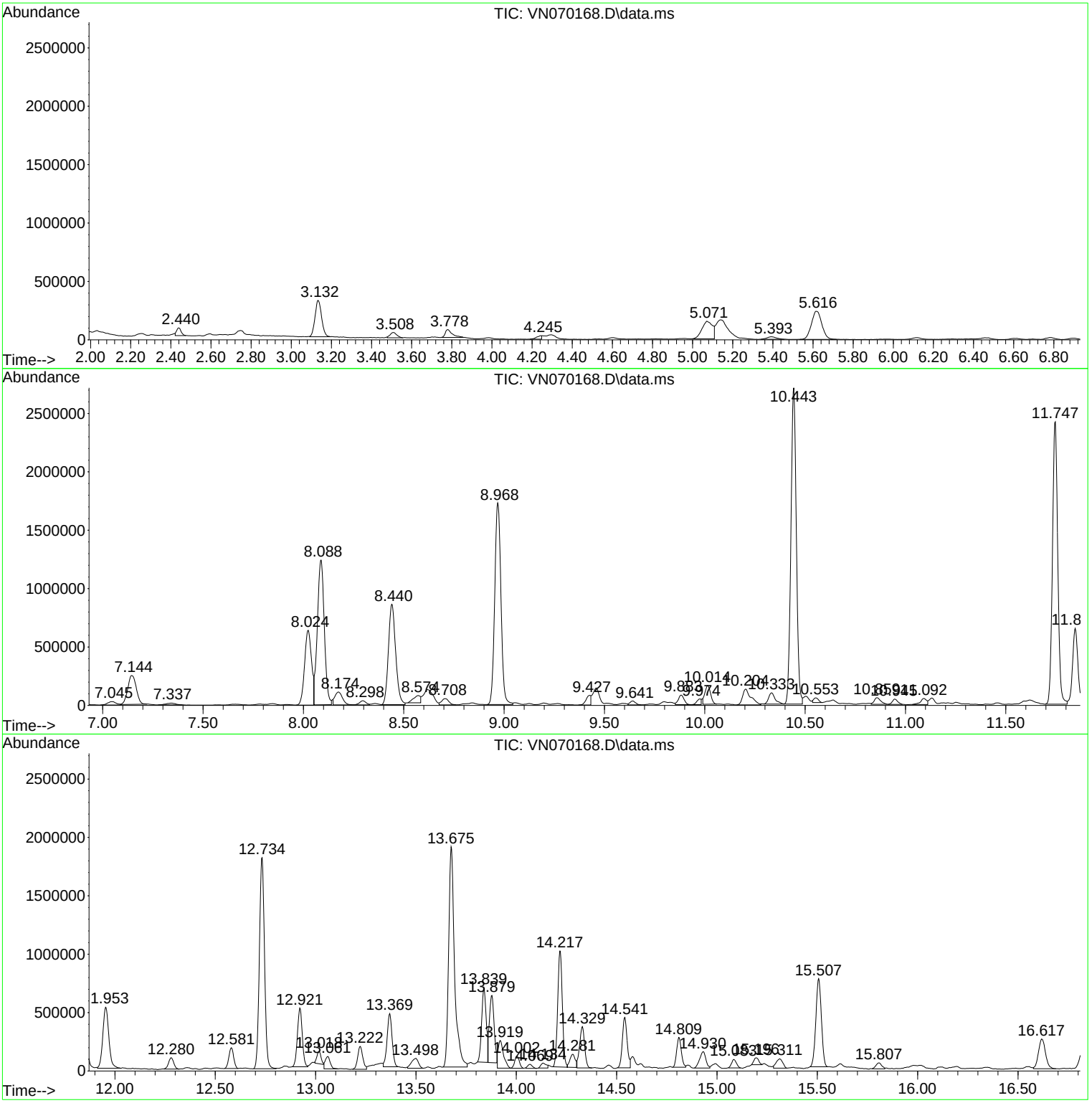
Sum of corrected areas: 47003723

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

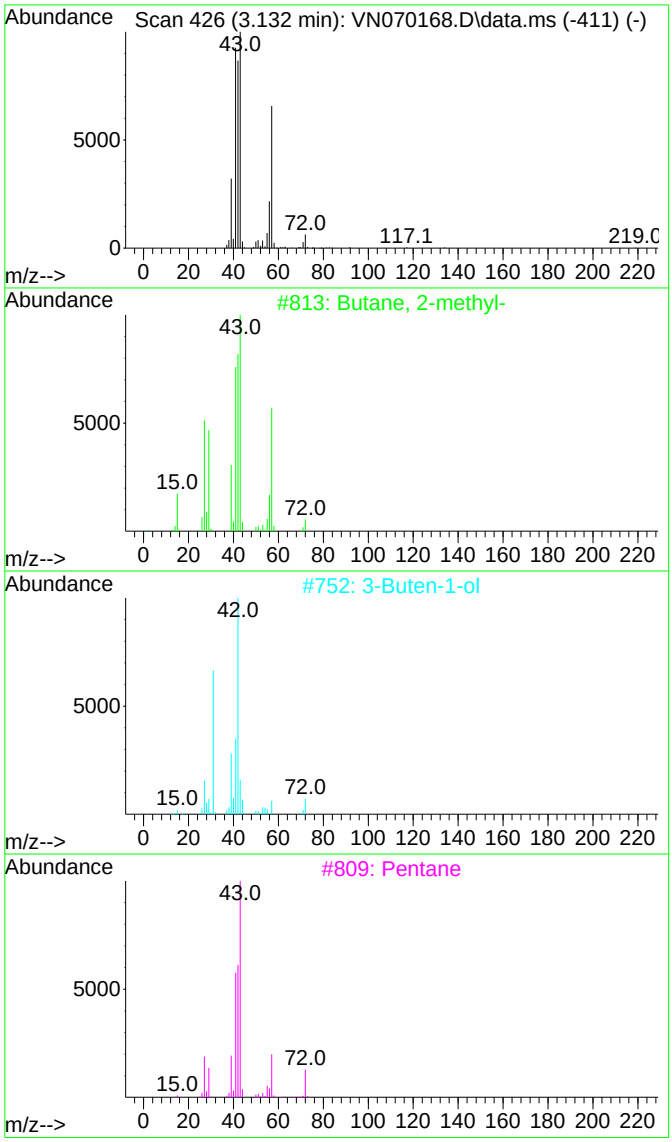
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

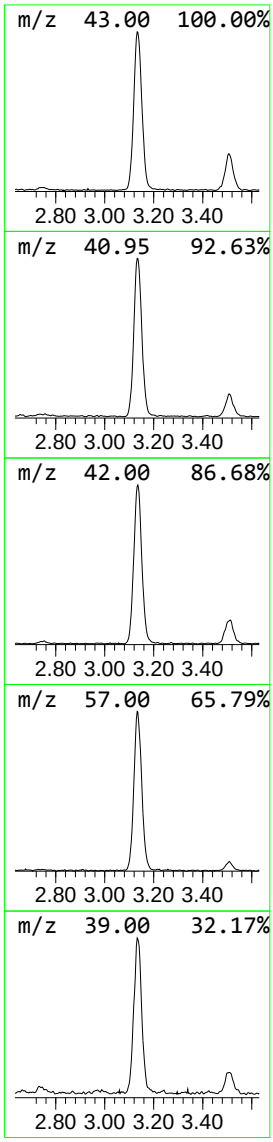
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.132	12.05 ug/l	706687	Pentafluorobenzene	8.088

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	36
4	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	33
5	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

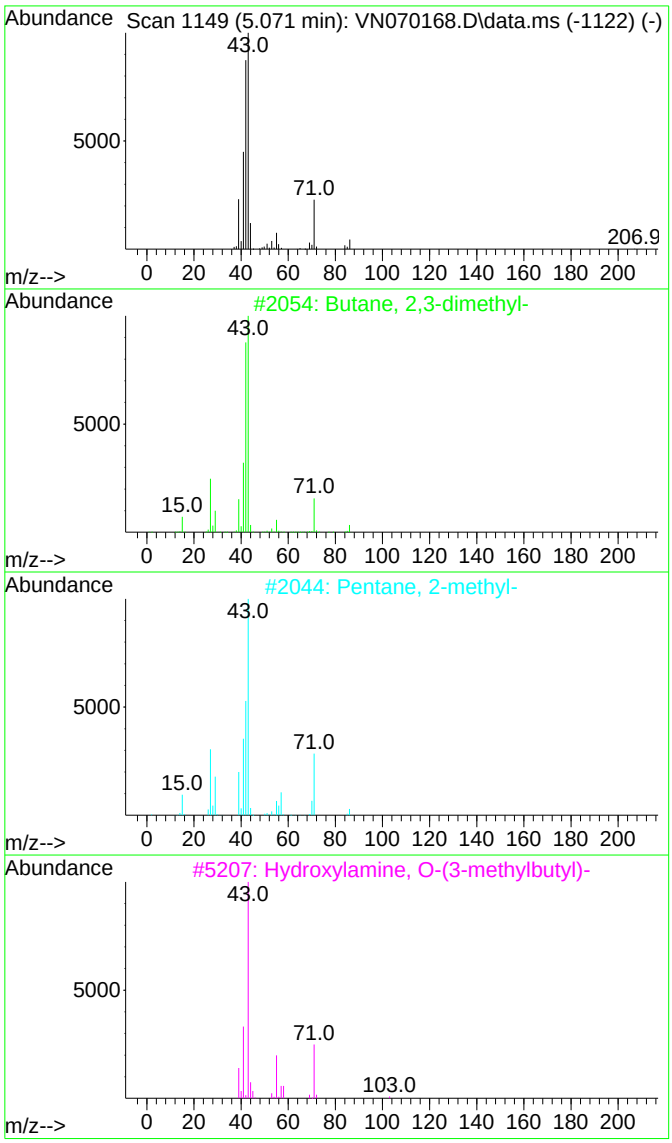
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

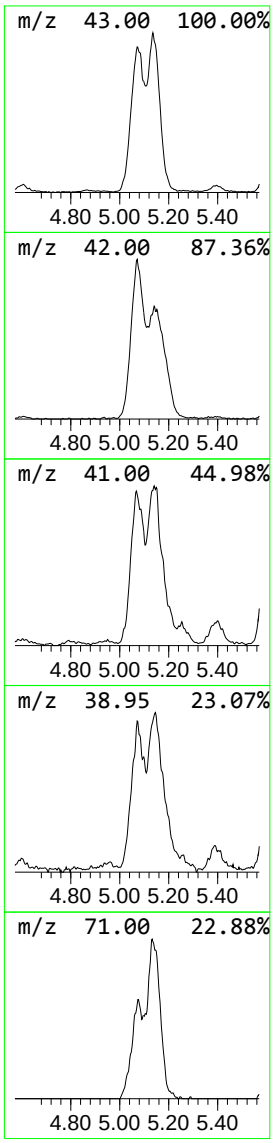
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.071	9.44 ug/l	554107	Pentafluorobenzene	8.088

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	17
3	Hydroxylamine, O-(3-methylbutyl)-	103	C5H13NO	019411-65-5	12
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	9
5	2-Oxo-n-valeric acid	116	C5H8O3	001821-02-9	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

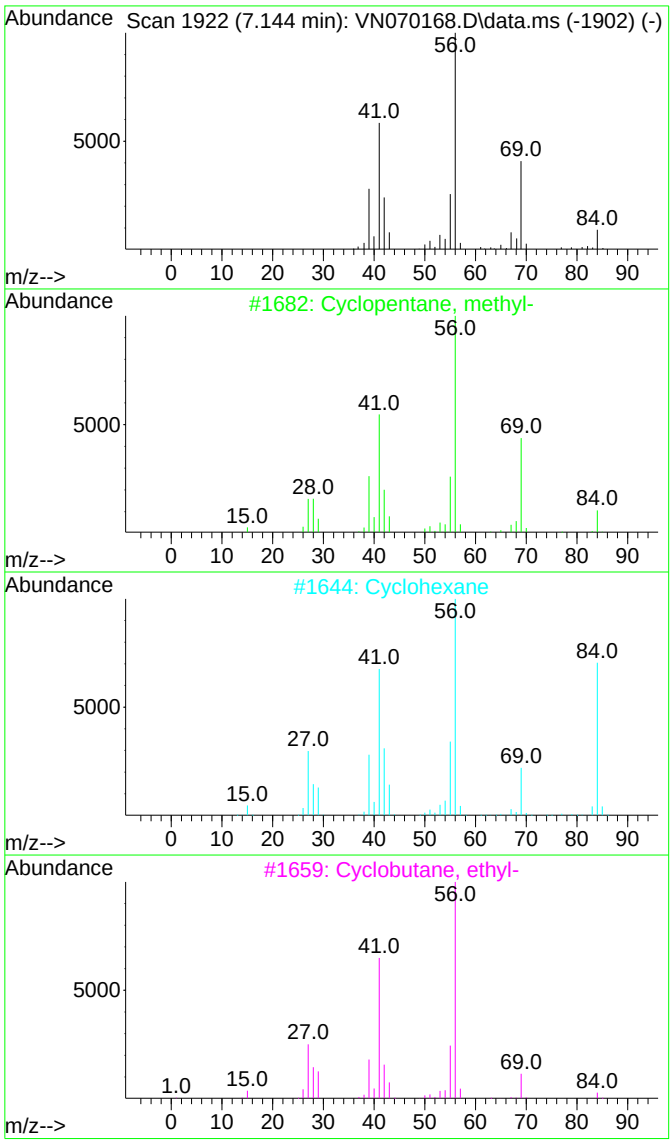
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

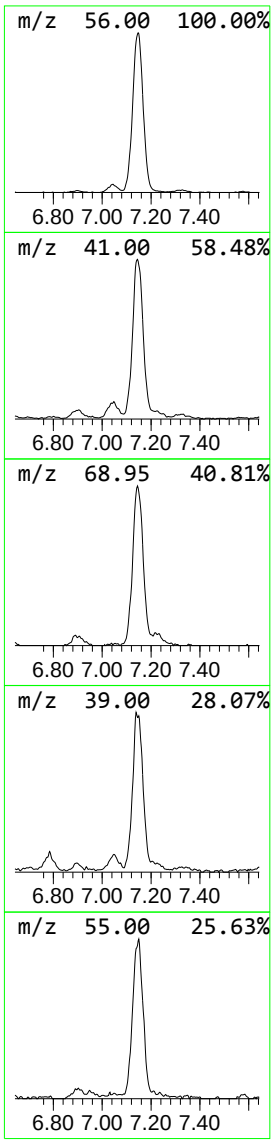
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.144	12.41 ug/l	727868	Pentafluorobenzene	8.088

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64
5	Cyclobutane	56	C4H8	000287-23-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

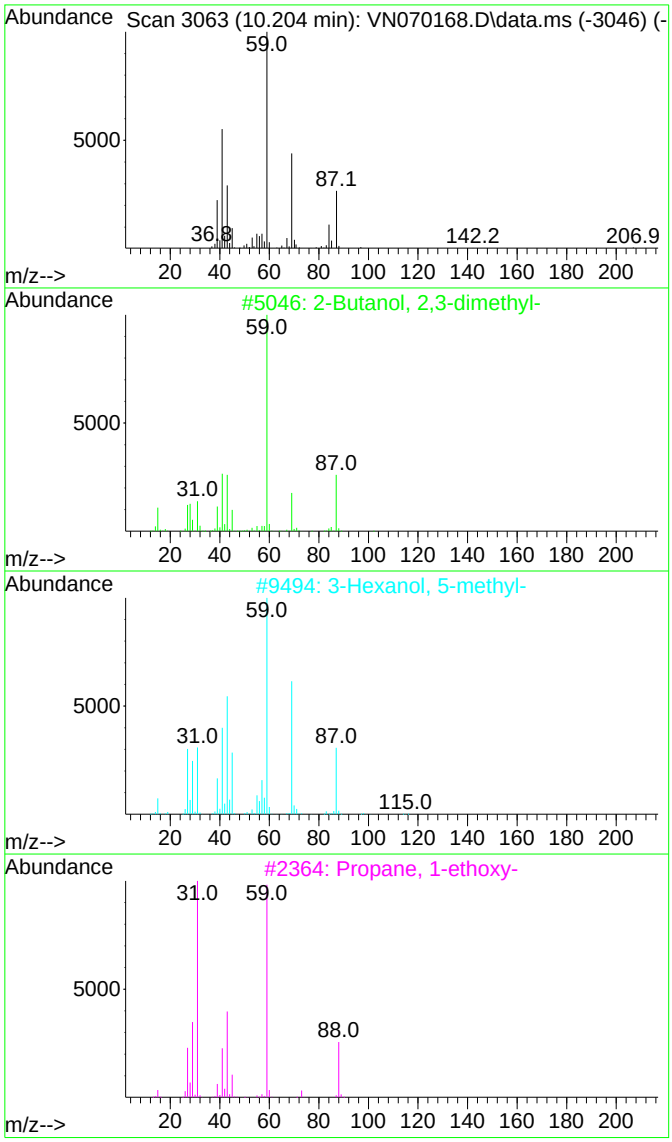
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

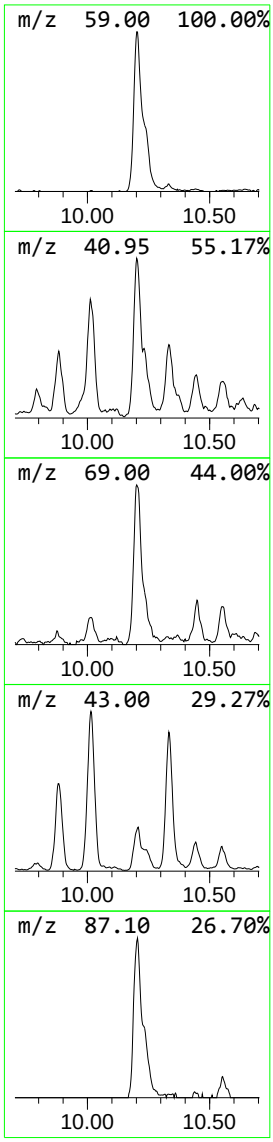
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Butanol, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.204	5.27 ug/l	390770	1,4-Difluorobenzene	8.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	72
2	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	53
3	Propane, 1-ethoxy-	88	C5H12O	000628-32-0	49
4	Butane, 2-methoxy-	88	C5H12O	006795-87-5	49
5	3-Heptanol	116	C7H16O	000589-82-2	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

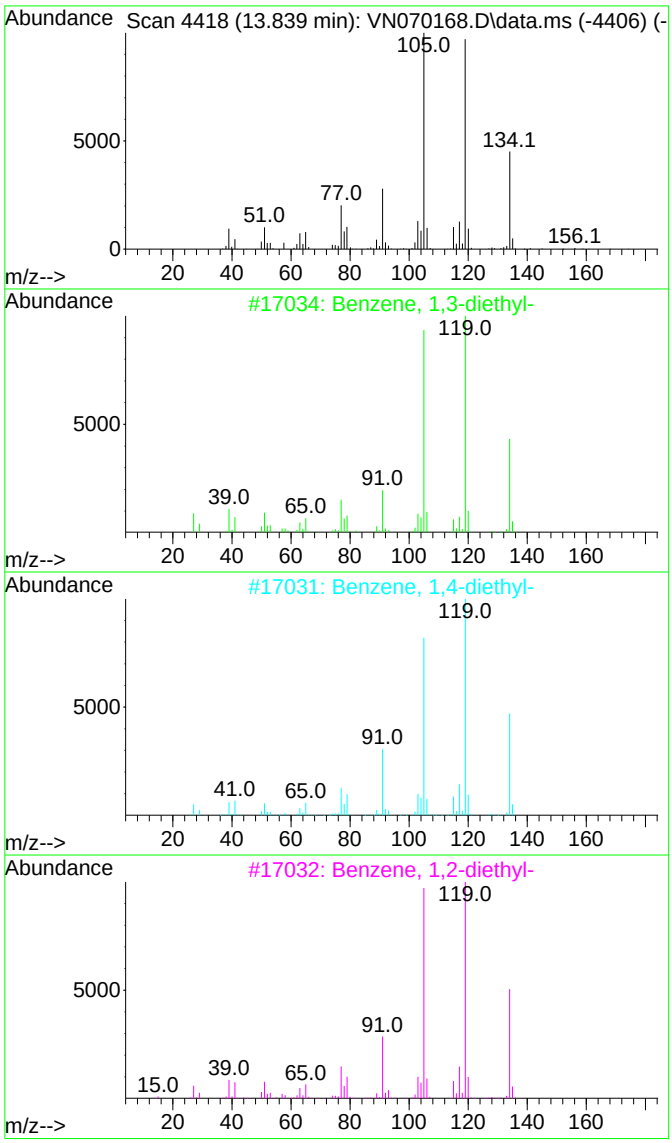
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

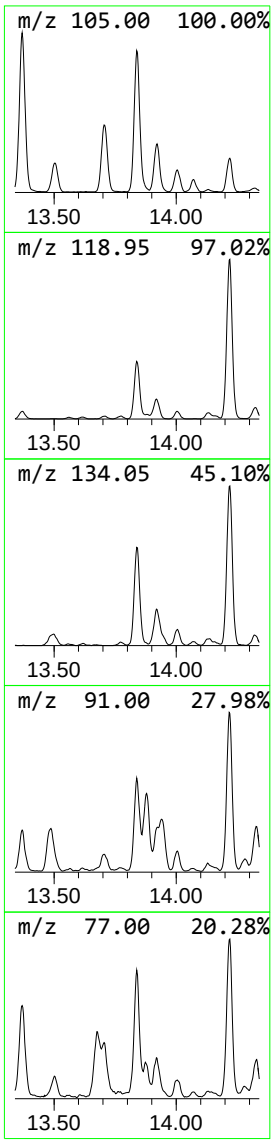
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,3-diethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	13.02 ug/l	1003280	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

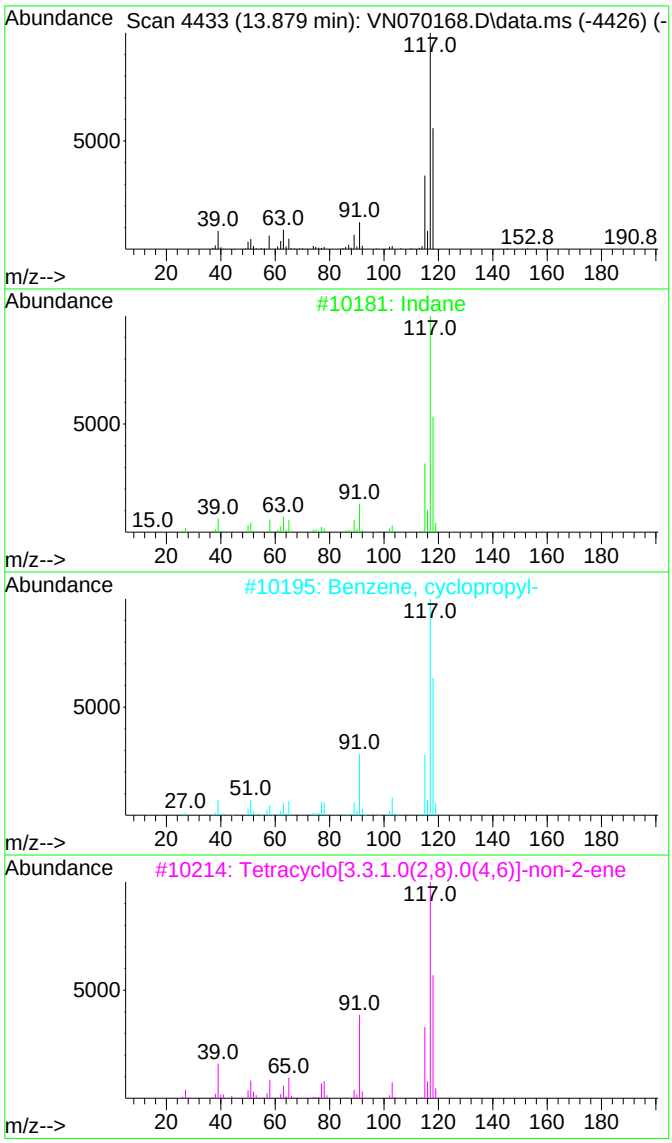
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

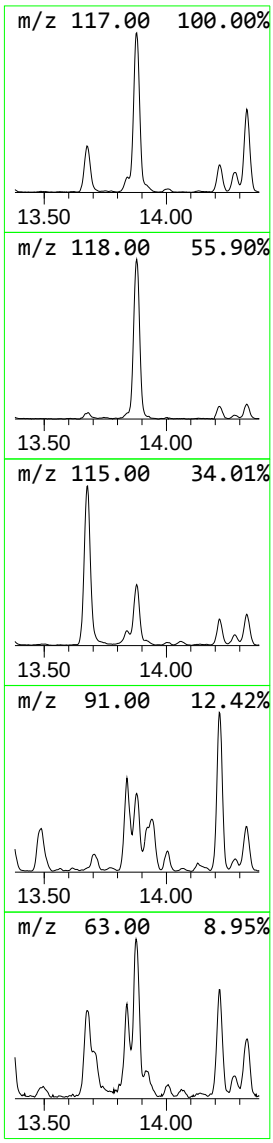
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.879	11.97 ug/l	922395	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	59
5	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

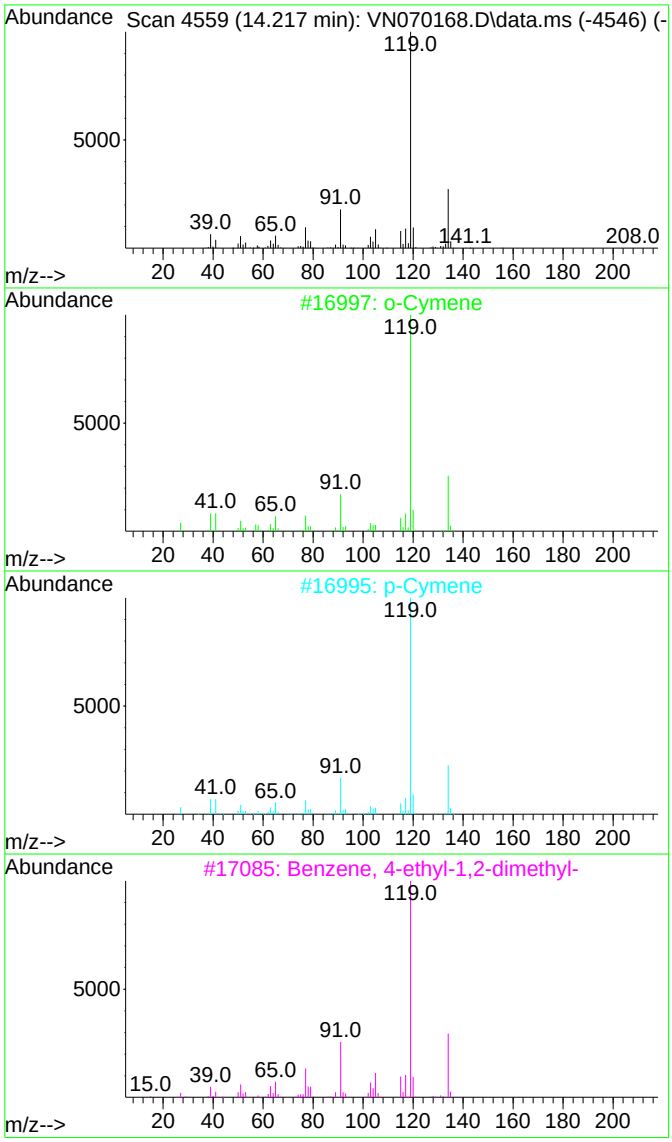
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

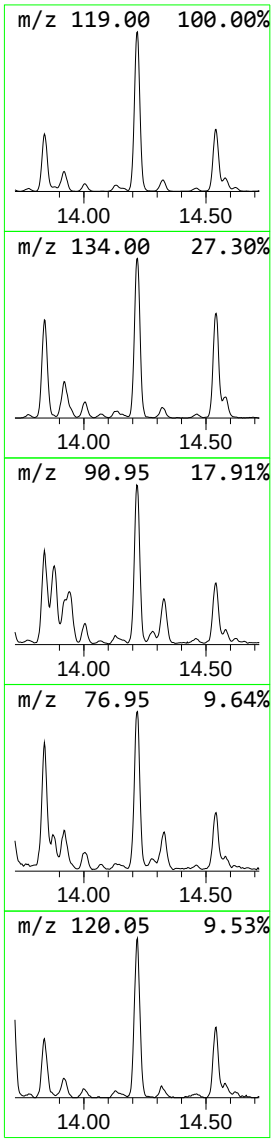
****

Peak Number 7 o-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.217	20.59 ug/l	1586810	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

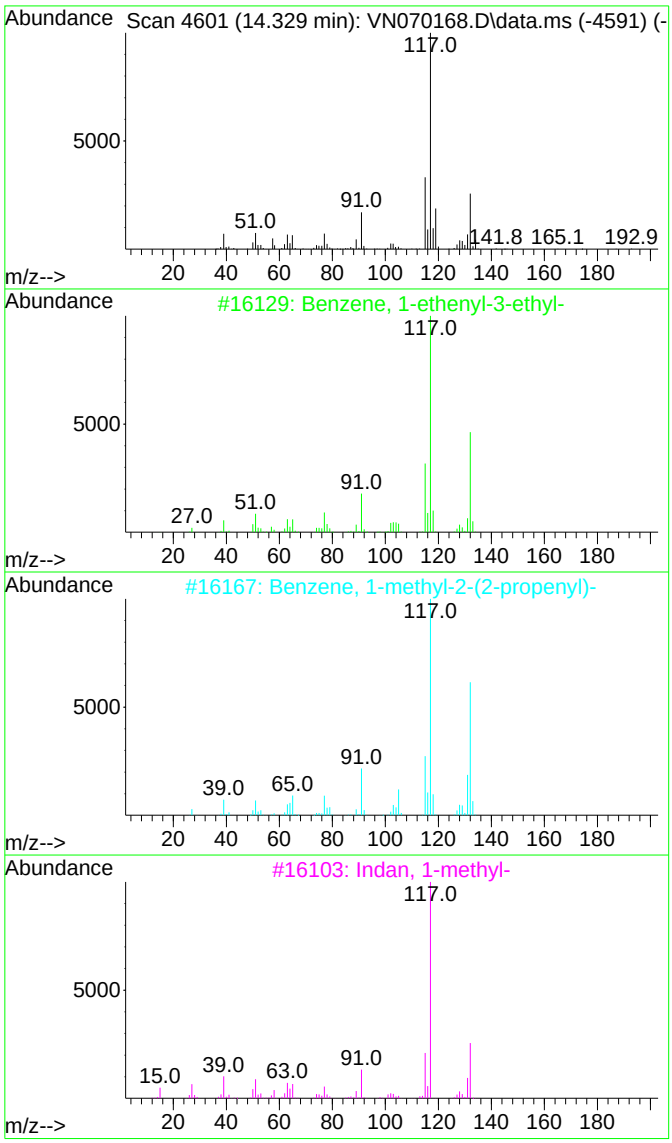
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

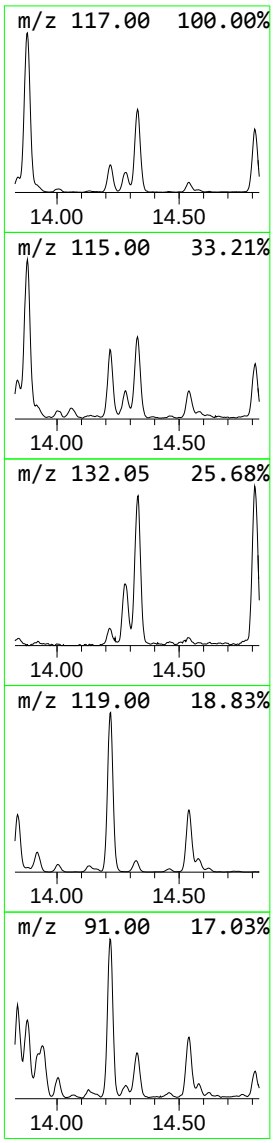
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.329	7.91 ug/l	609613	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
3	Indan, 1-methyl-	132	C10H12	000767-58-8	74
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	72
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

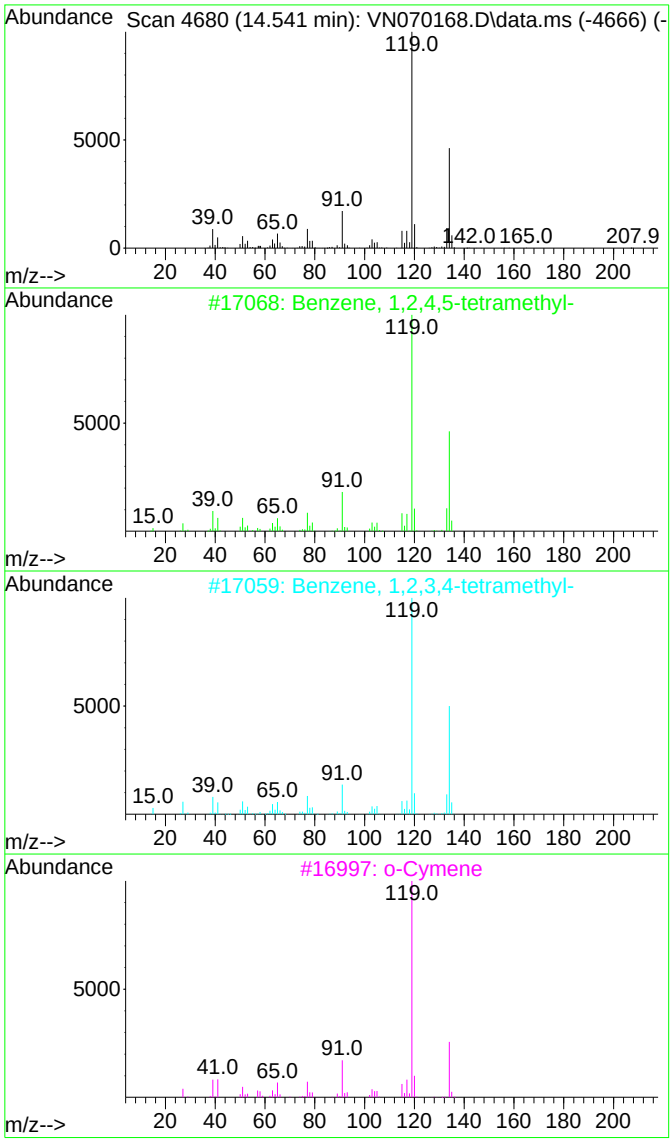
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

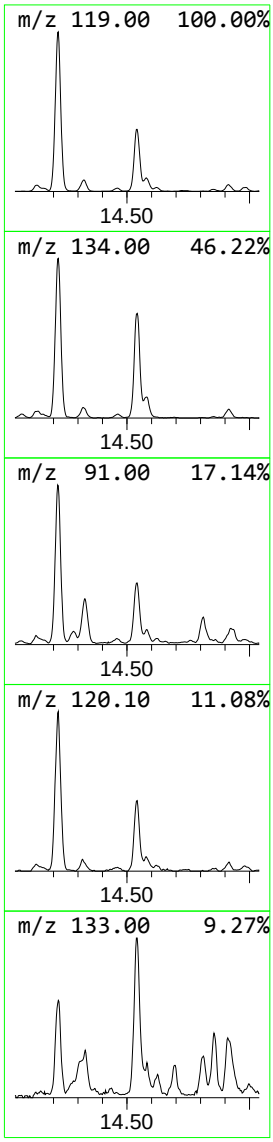
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.541	9.30 ug/l	717057	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	o-Cymene	134	C10H14	000527-84-4	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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

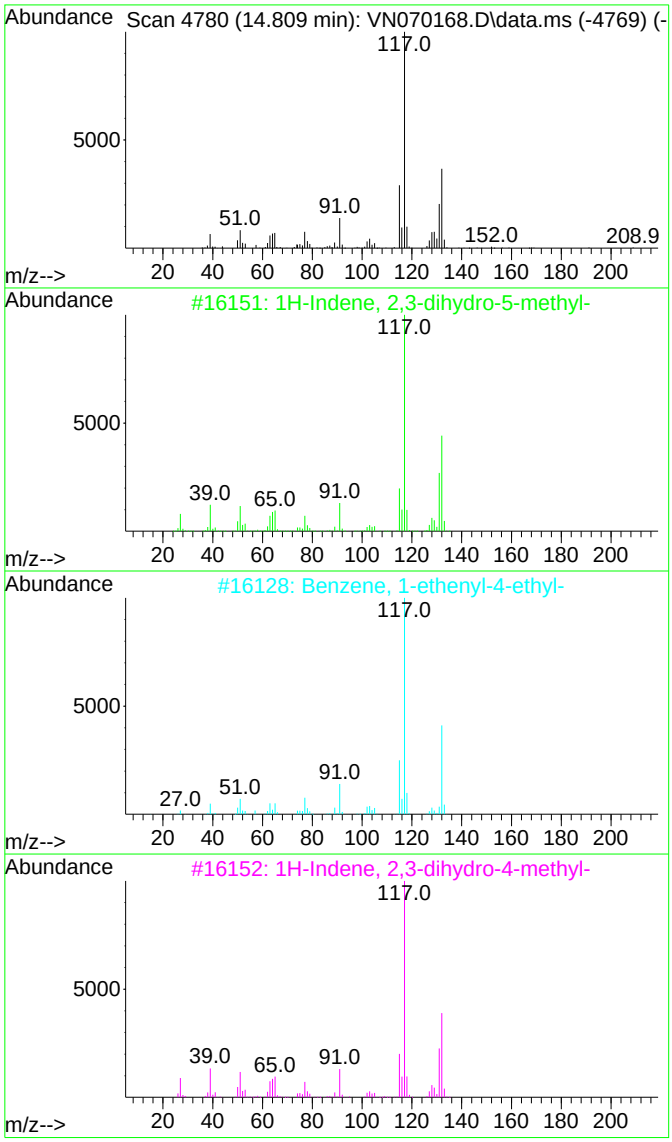
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

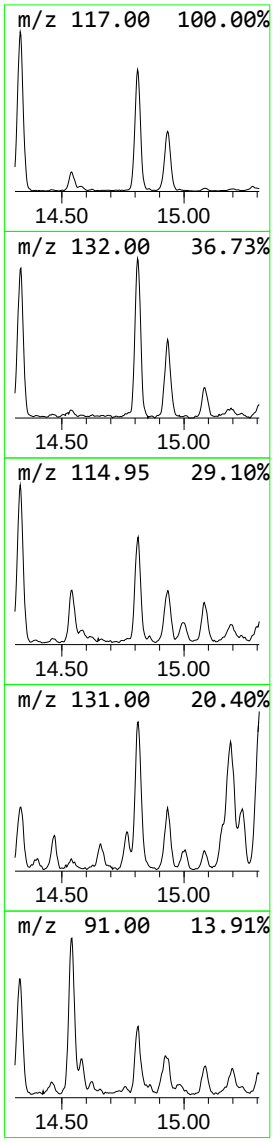
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.809	5.35 ug/l	412145	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070168.D
Acq On : 17 Dec 2021 17:01
Operator : JC/MD
Sample : M5039-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-16

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methyl-	3.132	12.1	ug/l	706687	1	8.088	2933490	50.0
Butane, 2,3-dim...	5.071	9.4	ug/l	554107	1	8.088	2933490	50.0
Cyclopentane, m...	7.144	12.4	ug/l	727868	1	8.088	2933490	50.0
2-Butanol, 2,3-...	10.204	5.3	ug/l	390770	2	8.968	3707350	50.0
Benzene, 1,3-di...	13.839	13.0	ug/l	1003280	4	13.675	3853600	50.0
Indane	13.879	12.0	ug/l	922395	4	13.675	3853600	50.0
o-Cymene	14.217	20.6	ug/l	1586810	4	13.675	3853600	50.0
Benzene, 1-ethe...	14.329	7.9	ug/l	609613	4	13.675	3853600	50.0
Benzene, 1,2,4,...	14.541	9.3	ug/l	717057	4	13.675	3853600	50.0
1H-Indene, 2,3-...	14.809	5.3	ug/l	412145	4	13.675	3853600	50.0