LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 137-138

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\82N101221W.M
Title : SW846 8260

Signal : TIC: VN069075.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.137	412	428	467	rVB	202177	486871	2.72%	0.543%
2	3.521	552	571	599	rVB5	82513	233910	1.30%	0.261%
3	4.001	731	750	783	rVB2	76706	212794	1.19%	0.237%
4	5.624	1323	1355	1386	rBV3	99094	356169	1.99%	0.397%
5	7.152	1900	1925	1947	rBV	191397	564533	3.15%	0.629%
6	8.024	2229	2250	2261	rBV	230737	552151	3.08%	0.615%
7	8.091	2261	2275	2297	rVB4	601807	1496359	8.35%	1.667%
8	8.456	2387	2411	2434	rBV3	475381	1418508	7.91%	1.581%
9	8.971	2585	2603	2634	rBV	660850	1399838	7.81%	1.560%
10	9.462	2757	2786	2816	rBV2	243016	609974	3.40%	0.680%
11	10.443	3134	3152	3163	rBV	1030990	1909217	10.65%	2.127%
12	10.508	3163	3176	3205	rVB	2322679	4290266	23.93%	4.781%
13	11.747	3620	3638	3662	rBV	915824	1671290	9.32%	1.862%
14	11.953	3695	3715	3754	rBV	9395543	17927170	100.00%	19.977%
15	12.283	3814	3838	3876	rBV	8232812	13931467	77.71%	15.524%
16	12.734	3990	4006	4024	rBV	748416	1299070	7.25%	1.448%
17	12.986	4082	4100	4108	rBV	3006092	5205350	29.04%	5.800%
18	13.061	4119	4128	4156	rVB	2168187	3554552	19.83%	3.961%
19	13.222	4170	4188	4207	rBV	2428409	4002451	22.33%	4.460%
20	13.369	4227	4243	4259	rBV	2833560	4690444	26.16%	5.227%
21	13.562	4300	4315	4327	rBV	186902	302328	1.69%	0.337%
22	13.707	4344	4369	4385	rBV2	2907526	6453903	36.00%	7.192%
23	13.841	4405	4419	4422	rBV	287306	397878	2.22%	0.443%
24	13.879	4422	4433	4440	rBV2	1314943	2142397	11.95%	2.387%
25	14.072	4491	4505	4516	rBV	294208	479506	2.67%	0.534%
26	14.134	4516	4528	4533	rBV	433682	683839	3.81%	0.762%
27	14.219	4549	4560	4573	rVB	844658	1298403	7.24%	1.447%
28	14.281	4573	4583	4590	rBV	136944	218954	1.22%	0.244%
29	14.329	4590	4601	4615	rVB3	821391	1380828	7.70%	1.539%
30	14.461	4638	4650	4664	rVB2	345128	557056	3.11%	0.621%
31	14.541	4664	4680	4687	rBV	574677	952011	5.31%	1.061%
32	14.581	4687	4695	4705	rVV	852512	1359952	7.59%	1.515%
33	14.624	4705	4711	4718	rVV	129264	185888	1.04%	0.207%
34	14.812	4770	4781	4792	rVV2	504683	871848	4.86%	0.972%
35	14.933	4807	4826	4840	rBV3	1359894	2860148	15.95%	3.187%
36	15.086	4870	4883	4901	rBV	352223	626098	3.49%	0.698%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 137-138

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\82N101221W.M
Title : SW846 8260

37	15.198	4903	4925	4934	rBV5	272908	645988	3.60%	0.720%
38	15.314	4952	4968	4986	rVB4	285509	707442	3.95%	0.788%
39	15.507	5028	5040	5053	rVB	326381	585055	3.26%	0.652%
40	15.807	5135	5152	5168	rBV2	125191	250885	1.40%	0.280%
41	15.984	5200	5218	5224	rBV2	95953	207862	1.16%	0.232%
42	16.196	5279	5297	5326	rVB6	89321	305487	1.70%	0.340%
43	16.346	5333	5353	5379	rBV4	112893	275335	1.54%	0.307%
44	16.620	5443	5455	5484	rVB3	72339	179361	1.00%	0.200%

Sum of corrected areas: 89740836

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Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
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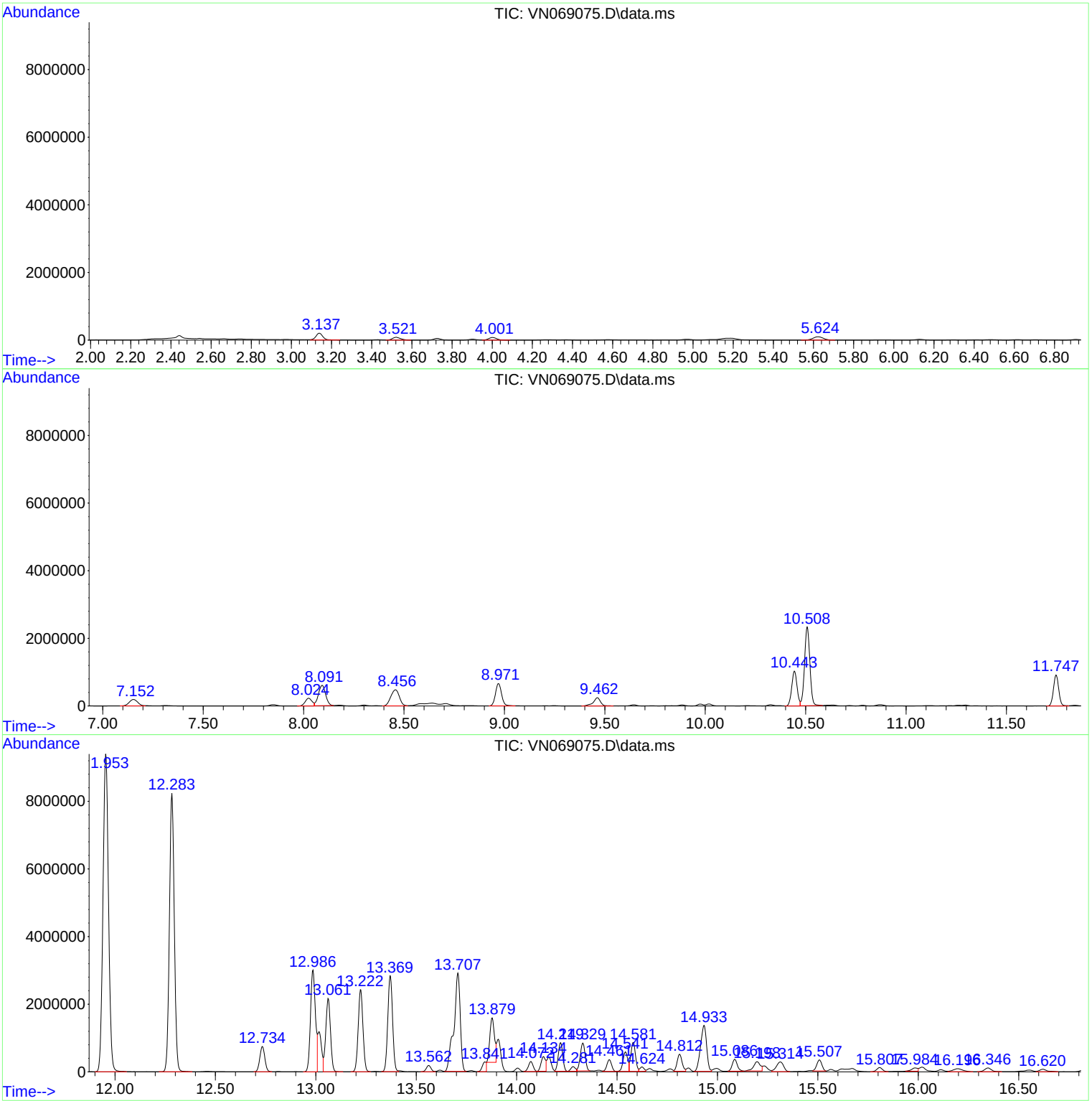
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
137-138

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 137-138

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

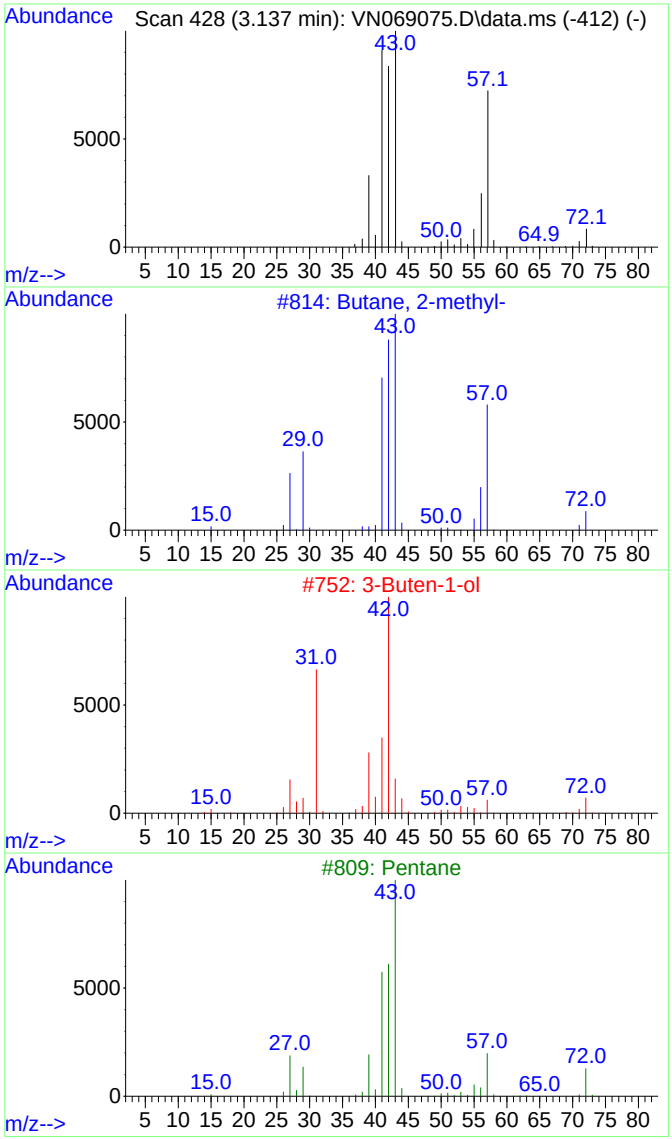
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

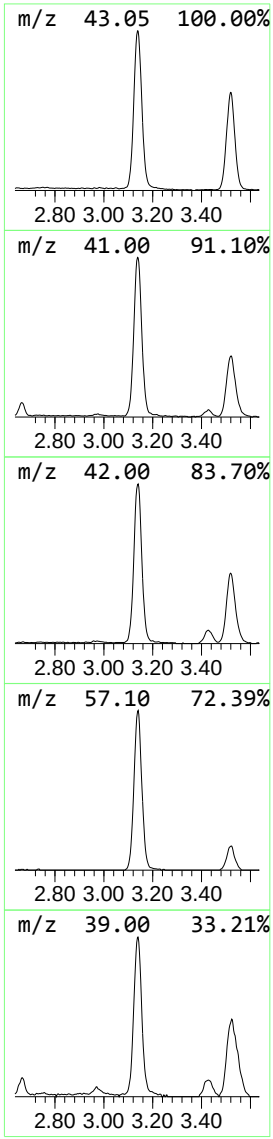
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.137	16.27 ug/l	486871	Pentafluorobenzene	8.091

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	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	16
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
137-138

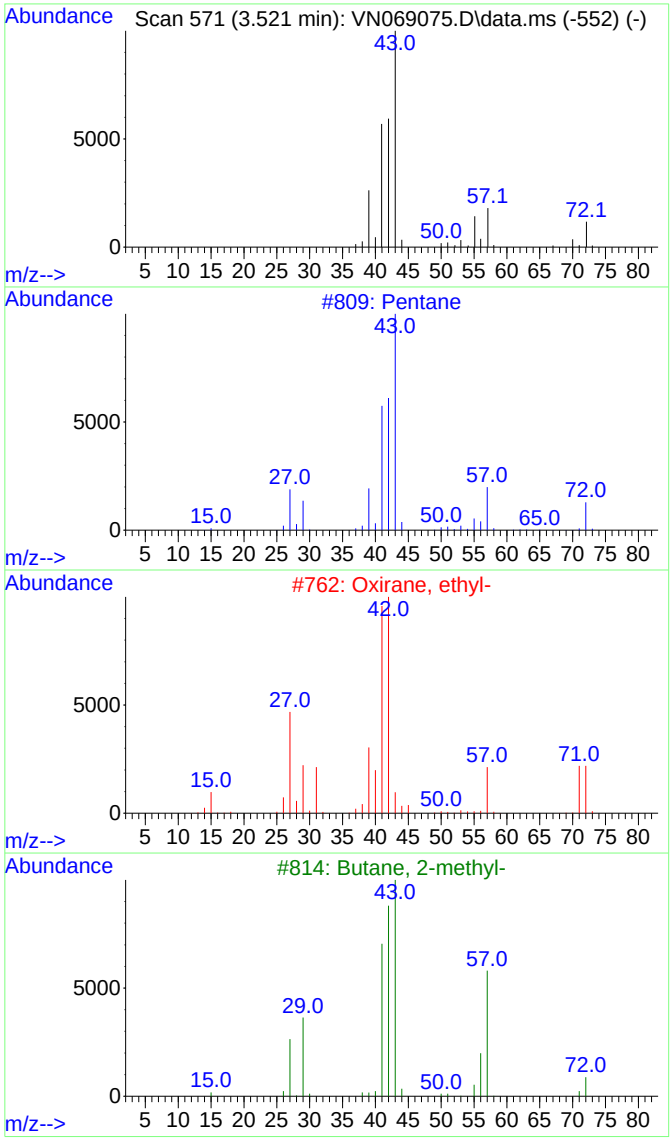
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

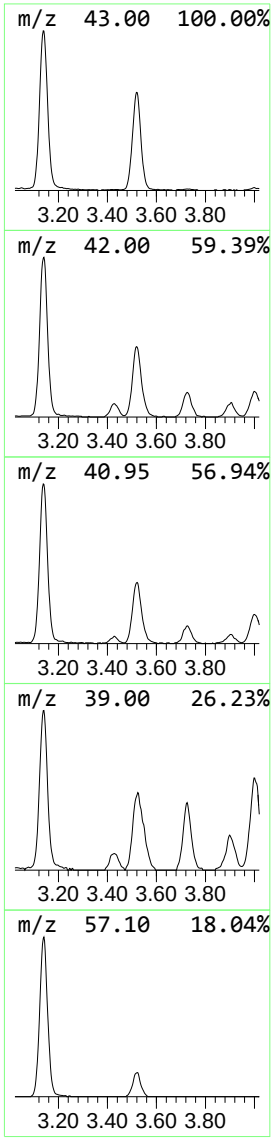
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.521	7.82 ug/l	233910	Pentafluorobenzene	8.091

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	Butane, 2-methyl-	72	C5H12	000078-78-4	38
4	Tetrahydrofuran	72	C4H8O	000109-99-9	38
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 137-138

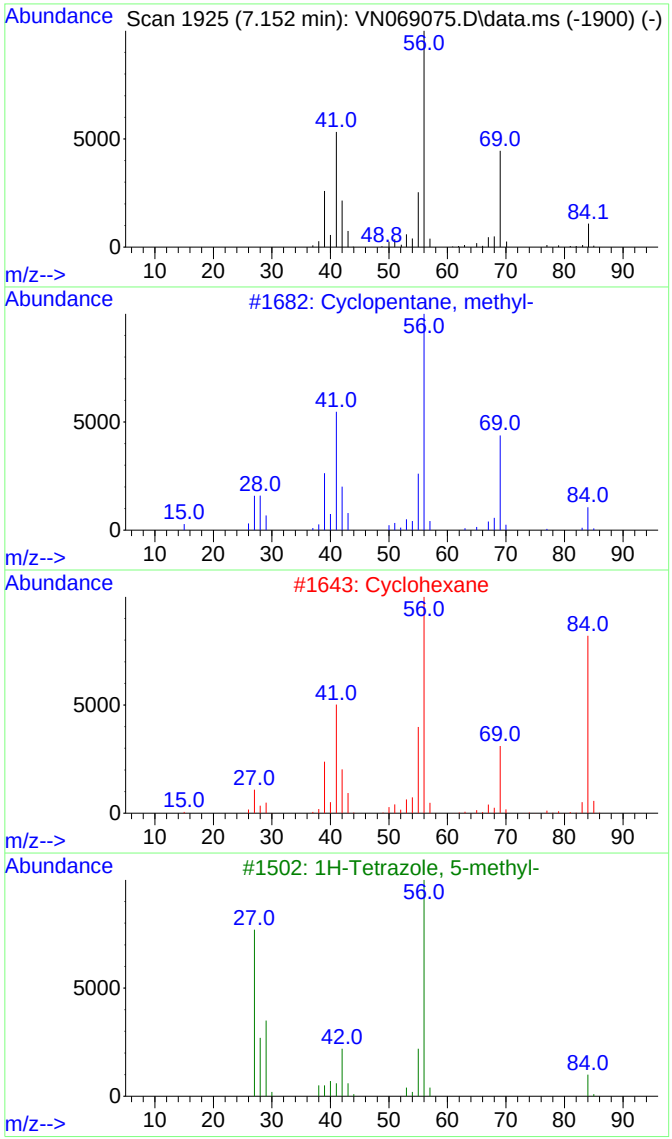
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

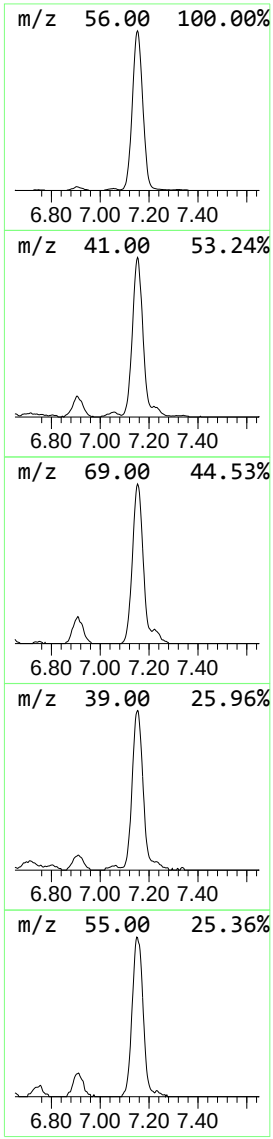
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.152	18.86 ug/l	564533	Pentafluorobenzene	8.091

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	80
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclobutane	56	C4H8	000287-23-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
137-138

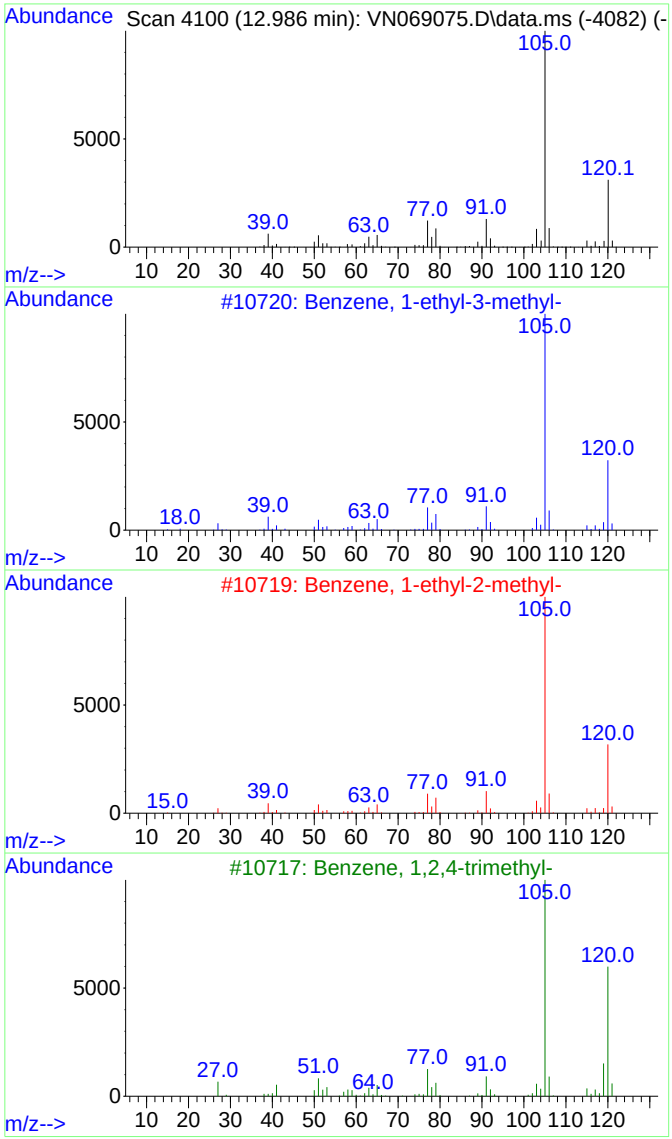
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

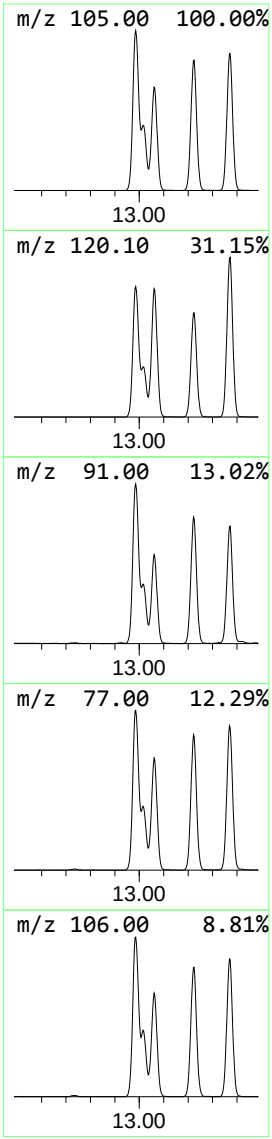
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.986	40.33 ug/l	5205350	1,4-Dichlorobenzene-d4	13.678

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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
137-138

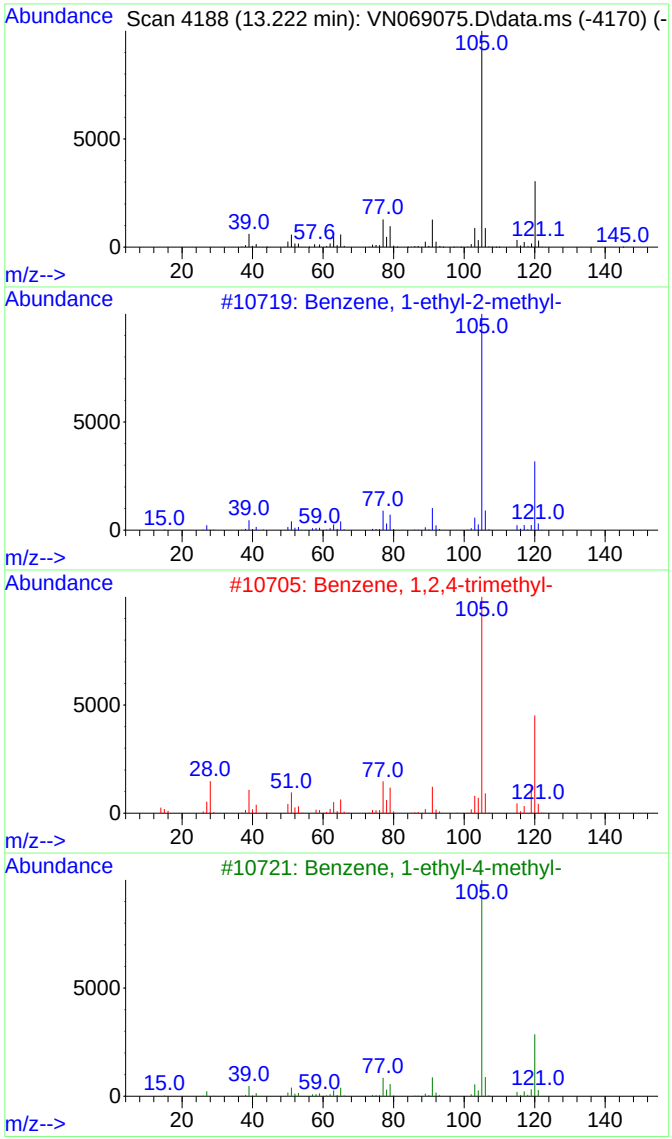
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

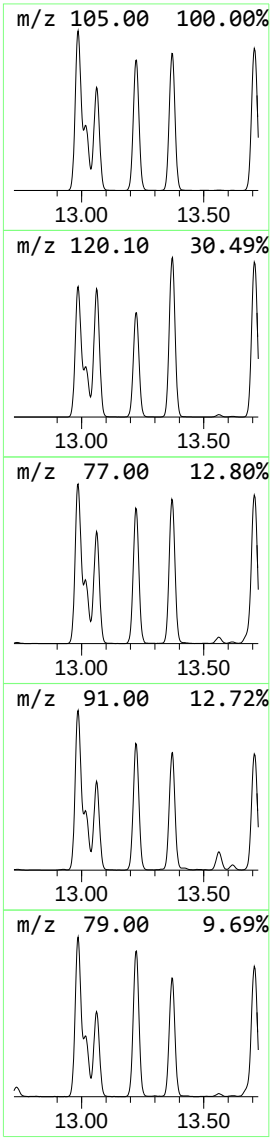
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.222	31.01 ug/l	4002450	1,4-Dichlorobenzene-d4	13.678

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
137-138

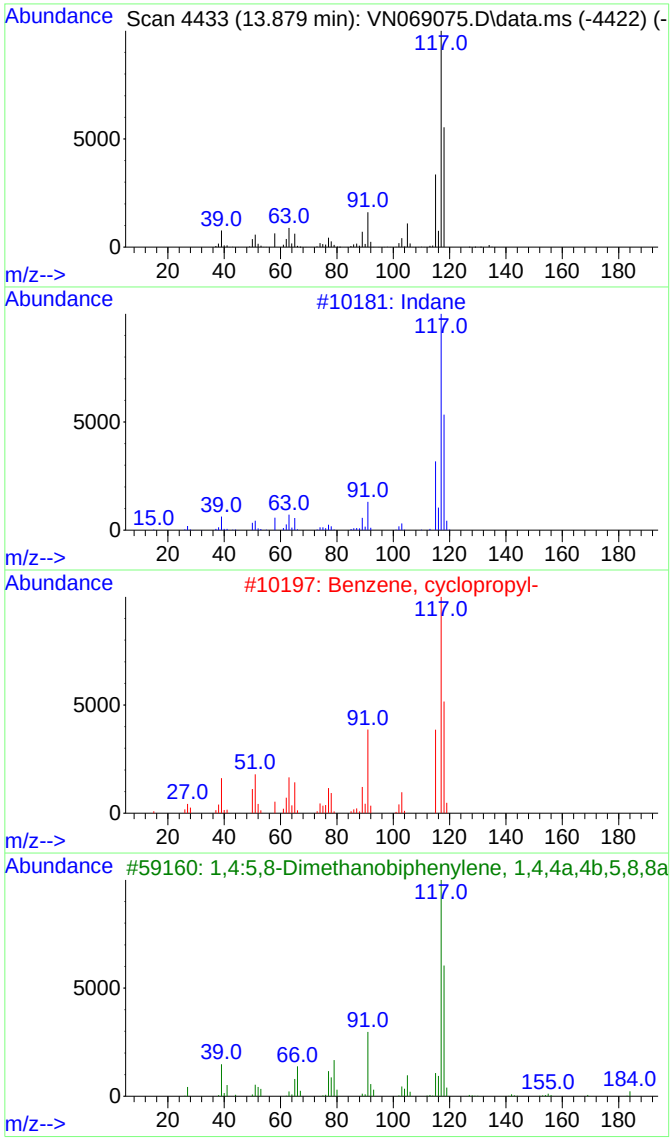
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

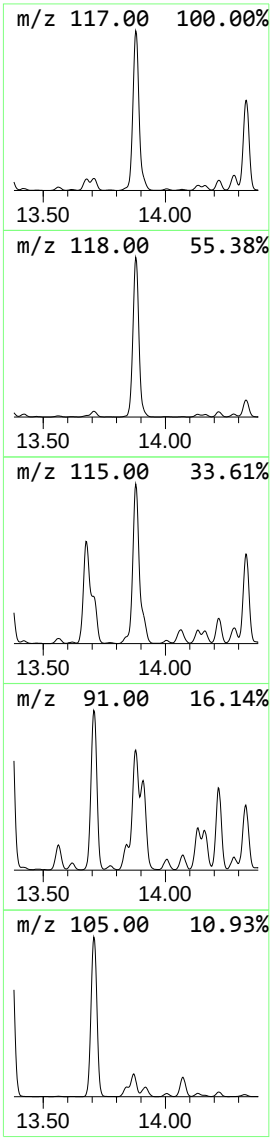
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.879	16.60 ug/l	2142400	1,4-Dichlorobenzene-d4	13.678

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	1,4:5,8-Dimethanobiphenylene, 1,...	184	C14H16	001624-13-1	72
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	50





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Sample : M4253-11
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ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
137-138

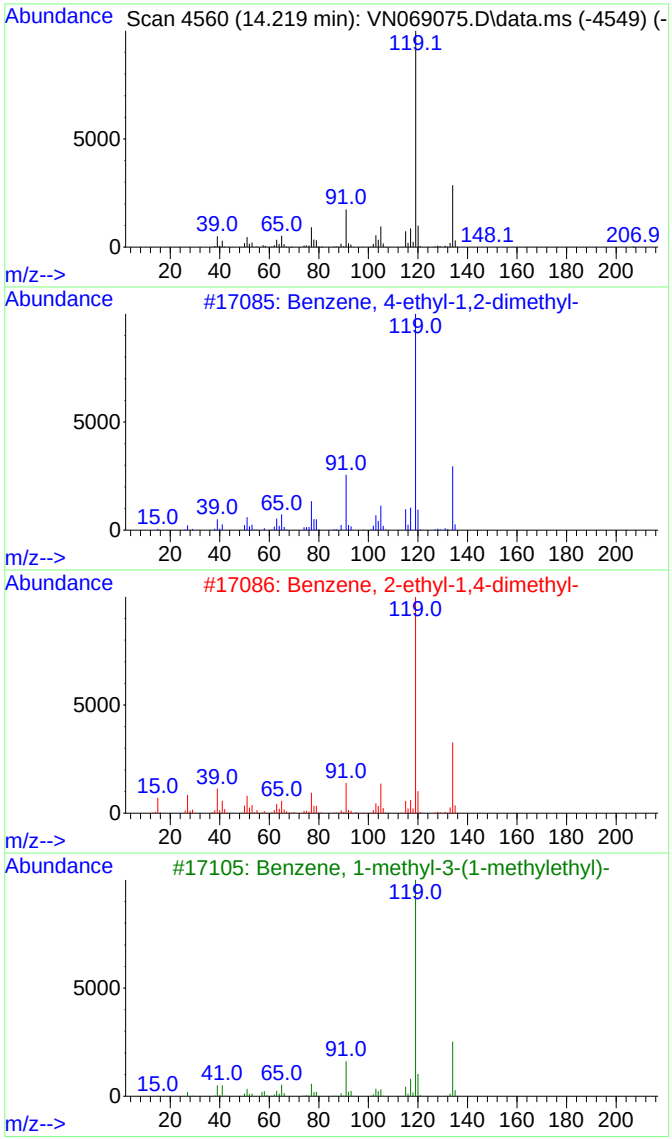
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

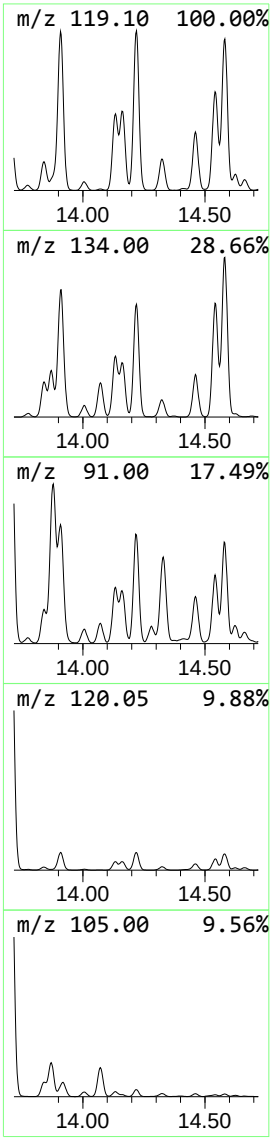
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.219	10.06 ug/l	1298400	1,4-Dichlorobenzene-d4	13.678

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 137-138

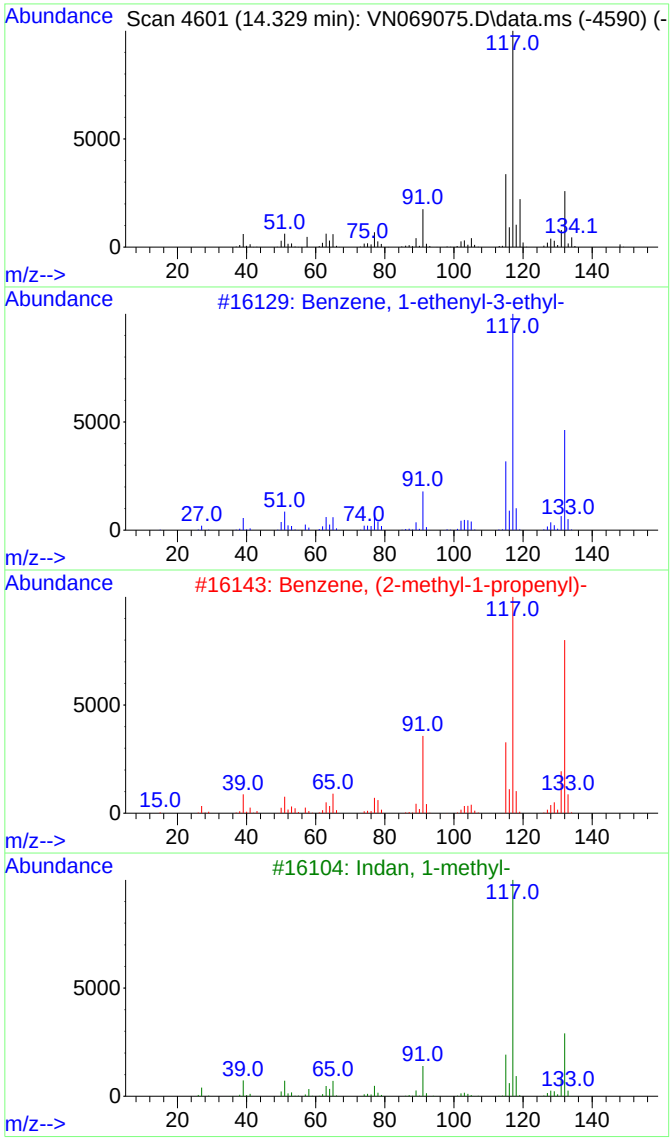
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

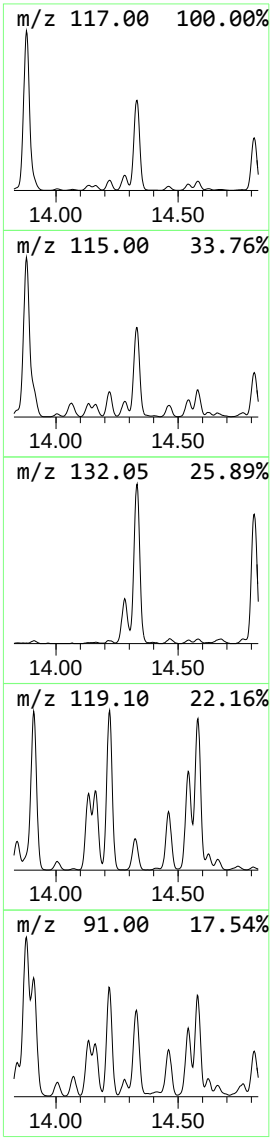
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.329	10.70 ug/l	1380830	1,4-Dichlorobenzene-d4	13.678

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
3	Indan, 1-methyl-	132	C10H12	000767-58-8	76
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 137-138

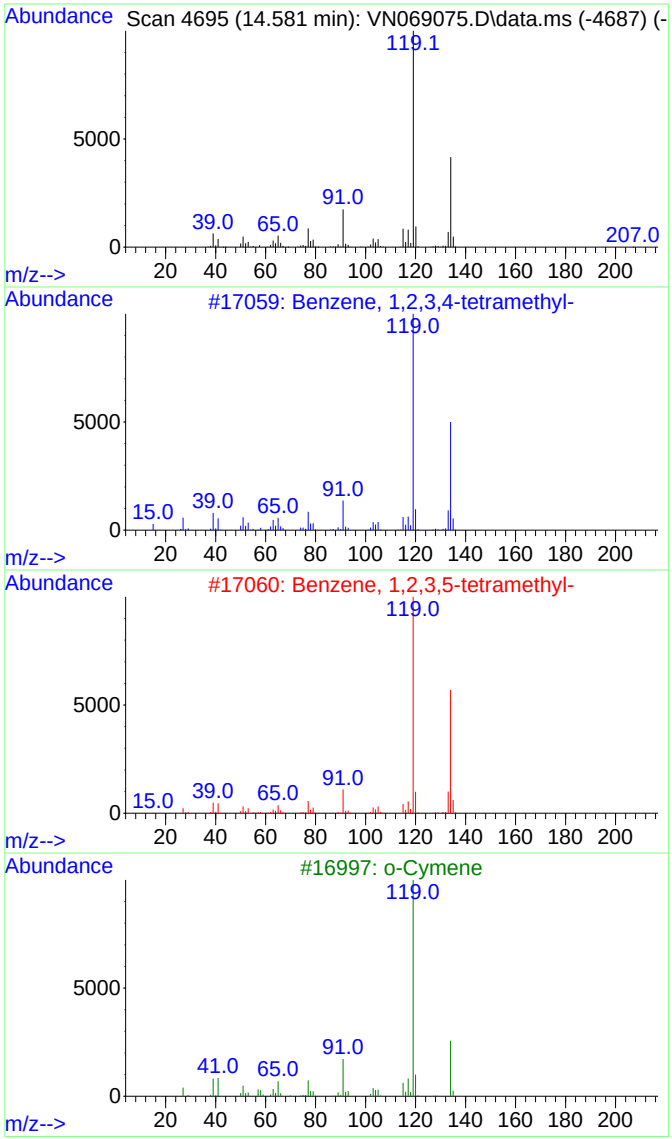
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

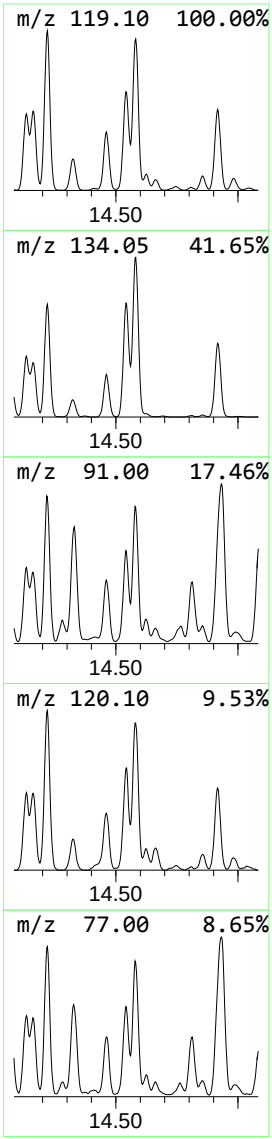
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.582	10.54 ug/l	1359950	1,4-Dichlorobenzene-d4	13.678

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 137-138

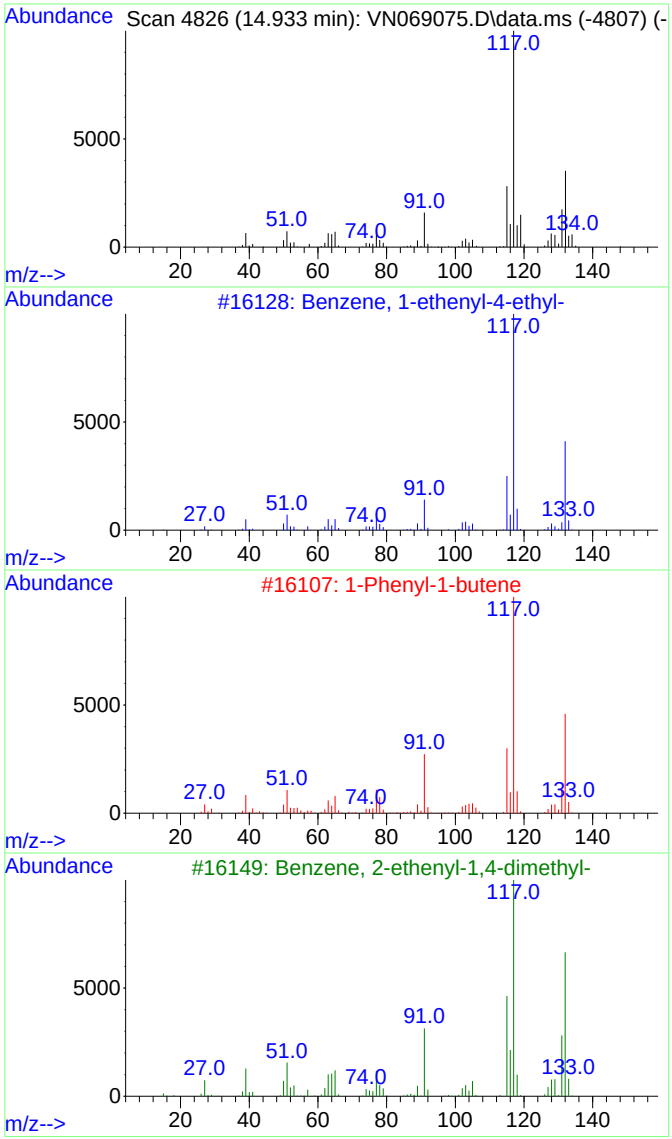
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260

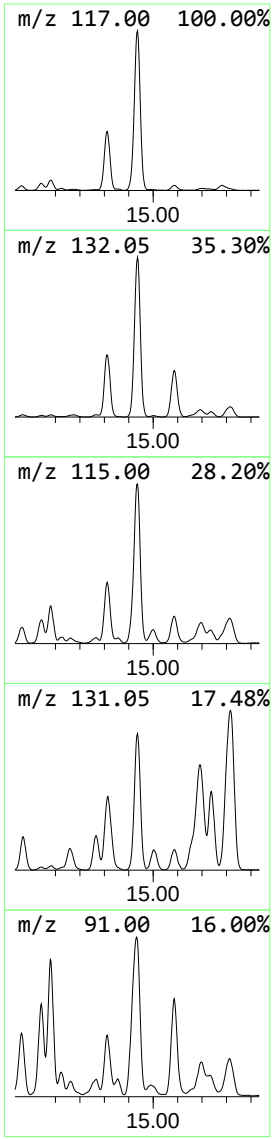
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.933	22.16 ug/l	2860150	1,4-Dichlorobenzene-d4	13.678

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
Data File : VN069075.D
Acq On : 20 Oct 2021 20:48
Operator : JC/MD
Sample : M4253-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 137-138

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.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-	3.137	16.3	ug/l	486871	1	8.091	1496360	50.0
Pentane	3.521	7.8	ug/l	233910	1	8.091	1496360	50.0
Cyclopentane, m...	7.152	18.9	ug/l	564533	1	8.091	1496360	50.0
Benzene, 1-ethy...	12.986	40.3	ug/l	5205350	4	13.678	6453900	50.0
Benzene, 1-ethy...	13.222	31.0	ug/l	4002450	4	13.678	6453900	50.0
Indane	13.879	16.6	ug/l	2142400	4	13.678	6453900	50.0
Benzene, 4-ethy...	14.219	10.1	ug/l	1298400	4	13.678	6453900	50.0
Benzene, 1-ethe...	14.329	10.7	ug/l	1380830	4	13.678	6453900	50.0
Benzene, 1,2,3,...	14.582	10.5	ug/l	1359950	4	13.678	6453900	50.0
Benzene, 1-ethe...	14.933	22.2	ug/l	2860150	4	13.678	6453900	50.0