LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

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\82N122721W.M
Title : SW846 8260

Signal : TIC: VN070395.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.293	836	859	898	rBV2	128164	428521	9.12%	0.922%
2	4.594	949	971	1003	rVB2	81293	251582	5.36%	0.541%
3	6.503	1662	1683	1703	rVB4	27725	88218	1.88%	0.190%
4	7.343	1975	1996	2017	rBV3	47684	136667	2.91%	0.294%
5	7.694	2106	2127	2158	rBV4	89991	243533	5.18%	0.524%
6	8.021	2225	2249	2261	rBV2	640171	1551261	33.02%	3.338%
7	8.086	2261	2273	2305	rVB	1075340	2467601	52.53%	5.310%
8	8.440	2384	2405	2436	rBV2	868385	2244605	47.78%	4.830%
9	8.968	2580	2602	2627	rBV	1715473	3575808	76.11%	7.694%
10	10.333	3098	3111	3124	rBV4	29572	58952	1.25%	0.127%
11	10.443	3133	3152	3167	rBV	2531108	4697952	100.00%	10.109%
12	10.505	3167	3175	3197	rVB	186437	361571	7.70%	0.778%
13	11.092	3370	3394	3405	rBV6	20163	48331	1.03%	0.104%
14	11.746	3620	3638	3664	rBV	2231703	4002229	85.19%	8.612%
15	11.950	3703	3714	3727	rBV	68056	122715	2.61%	0.264%
16	12.278	3826	3836	3852	rVB3	50770	98536	2.10%	0.212%
17	12.731	3988	4005	4029	rBV	1768941	3113914	66.28%	6.700%
18	13.058	4118	4127	4137	rVB7	44342	75897	1.62%	0.163%
19	13.222	4173	4188	4197	rBV	26310	60841	1.30%	0.131%
20	13.366	4233	4242	4253	rBV	63367	98083	2.09%	0.211%
21	13.495	4279	4290	4302	rVB5	75060	131979	2.81%	0.284%
22	13.675	4343	4357	4375	rBV	1534462	2735926	58.24%	5.887%
23	13.838	4407	4418	4423	rBV	140479	215566	4.59%	0.464%
24	13.876	4424	4432	4443	rVB	320800	499208	10.63%	1.074%
25	13.999	4468	4478	4490	rBV8	95747	171540	3.65%	0.369%
26	14.131	4519	4527	4533	rBV2	75995	113681	2.42%	0.245%
27	14.217	4547	4559	4572	rVV	804882	1250002	26.61%	2.690%
28	14.278	4574	4582	4589	rVV	110039	176026	3.75%	0.379%
29	14.327	4590	4600	4614	rVB3	507487	880345	18.74%	1.894%
30	14.541	4669	4680	4689	rBV	719694	1193561	25.41%	2.568%
31	14.622	4705	4710	4718	rVB2	86295	101394	2.16%	0.218%
32	14.809	4770	4780	4791	rBV2	473646	804642	17.13%	1.731%
33	14.858	4792	4798	4807	rVB4	176500	243242	5.18%	0.523%
34	14.922	4807	4822	4837	rBV4	1658274	3811973	81.14%	8.202%
35	15.083	4875	4882	4891	rBV2	56851	91967	1.96%	0.198%
36	15.195	4904	4924	4934	rBV5	615749	1351546	28.77%	2.908%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

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\82N122721W.M
Title : SW846 8260

37	15.308	4955	4966	4990	rVB3	630679	1548322	32.96%	3.332%
38	15.504	5014	5039	5053	rBV	1617095	3281106	69.84%	7.060%
39	15.614	5070	5080	5091	rBV5	268715	519468	11.06%	1.118%
40	15.804	5137	5151	5167	rBV2	612750	1260708	26.84%	2.713%
41	15.981	5207	5217	5223	rBV2	354417	643095	13.69%	1.384%
42	16.110	5255	5265	5276	rBV3	229992	397549	8.46%	0.855%
43	16.343	5336	5352	5382	rBV4	441973	1150523	24.49%	2.476%
44	16.617	5445	5454	5462	rBV4	97446	173417	3.69%	0.373%

Sum of corrected areas: 46473603

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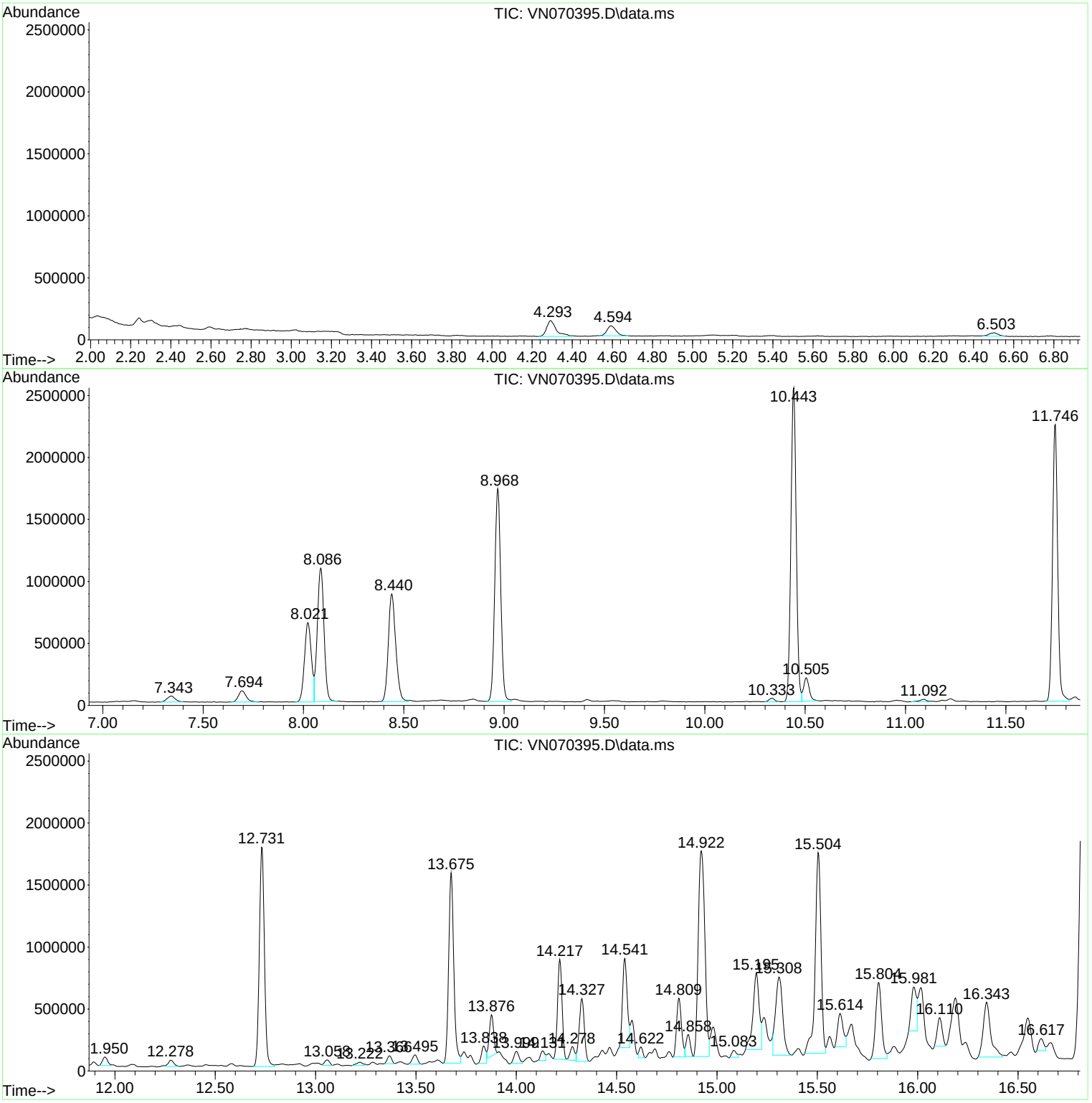
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

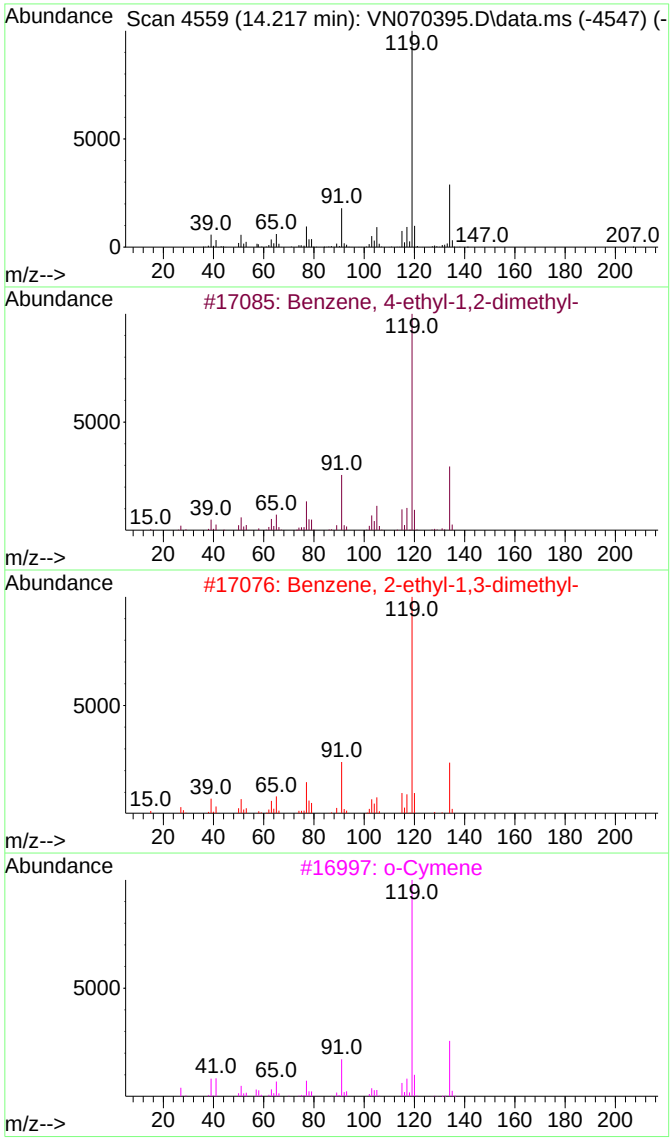
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

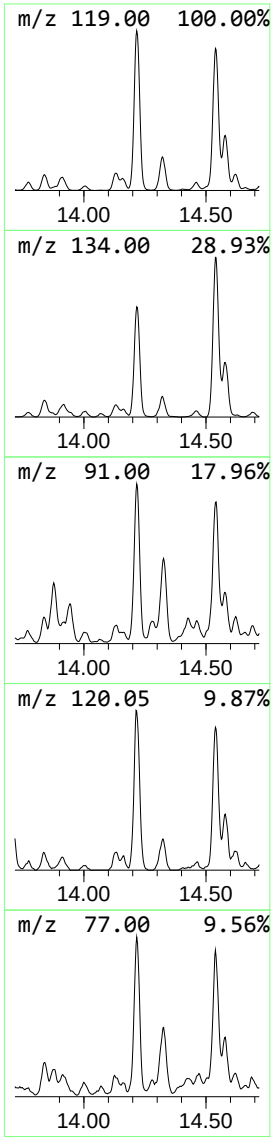
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.217	22.84 ug/l	1250000	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

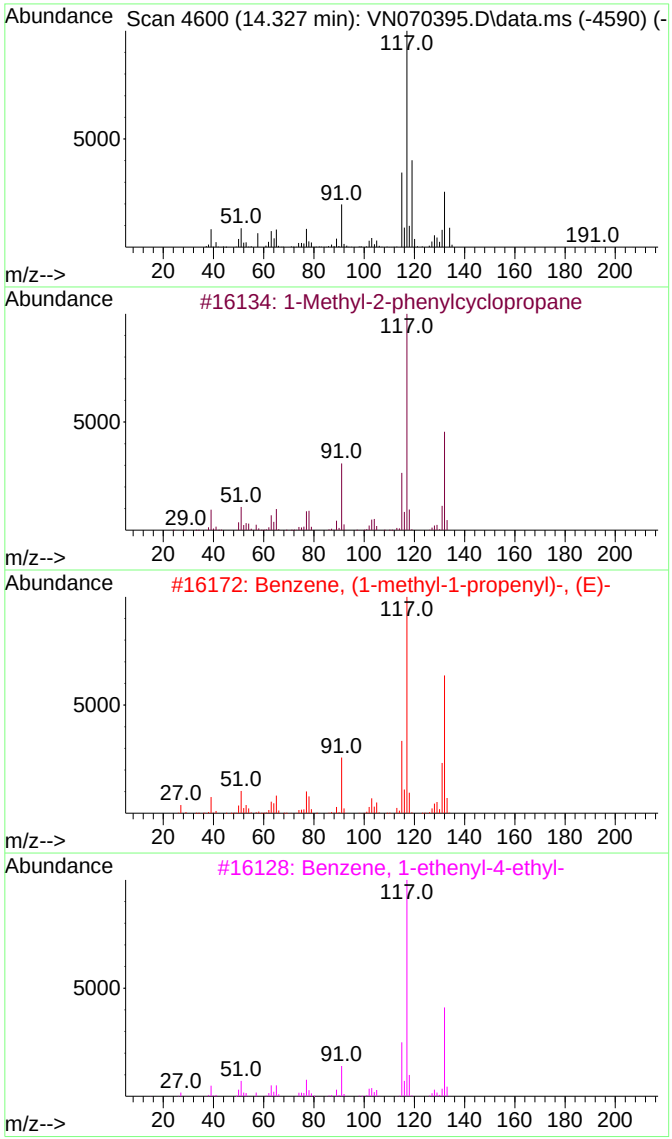
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

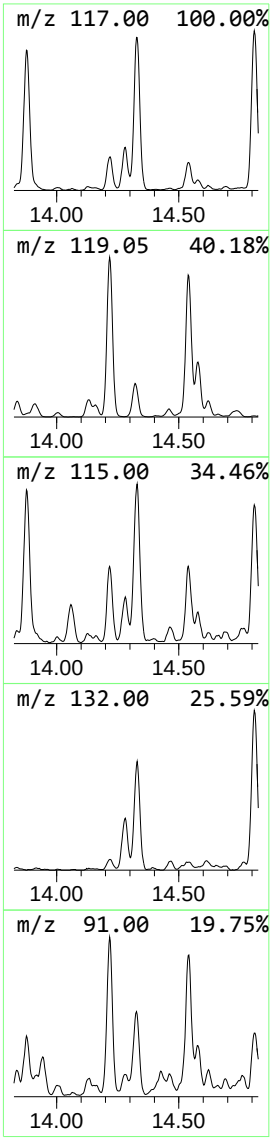
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1-Methyl-2-phenylcyclopropane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.326	16.09 ug/l	880345	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	68
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	64
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	62
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	59
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

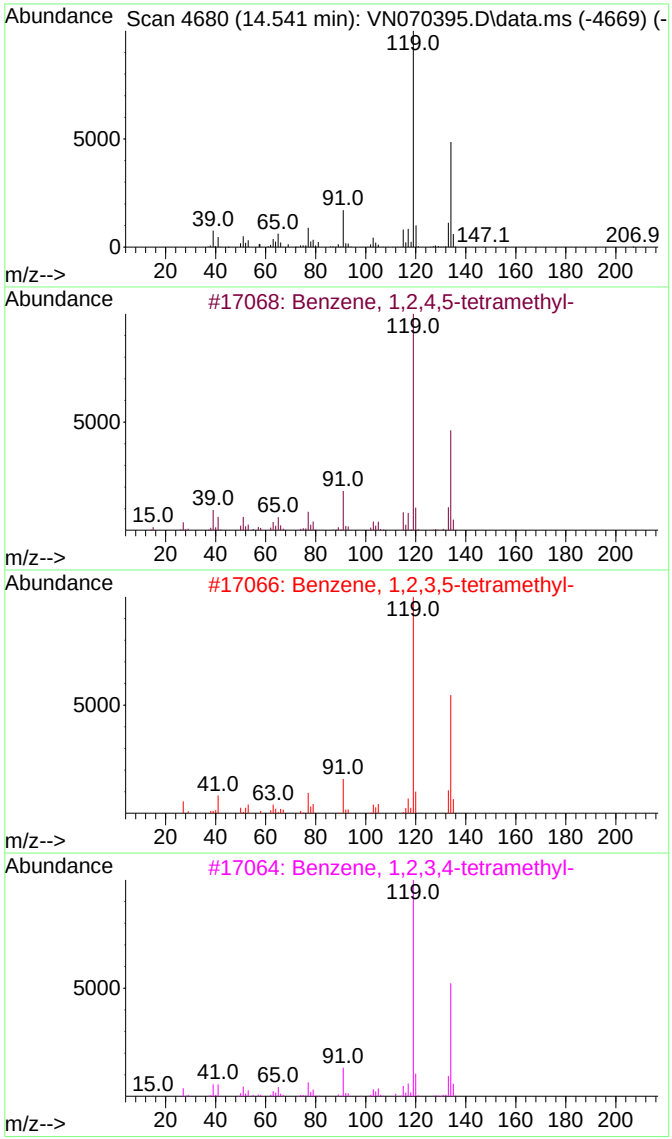
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

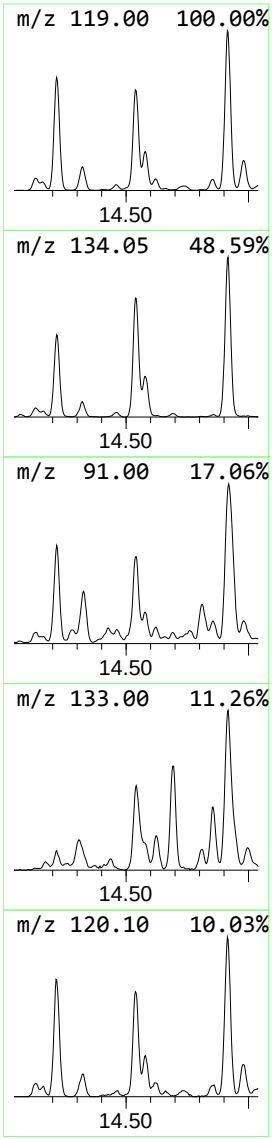
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.541	21.81 ug/l	1193560	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

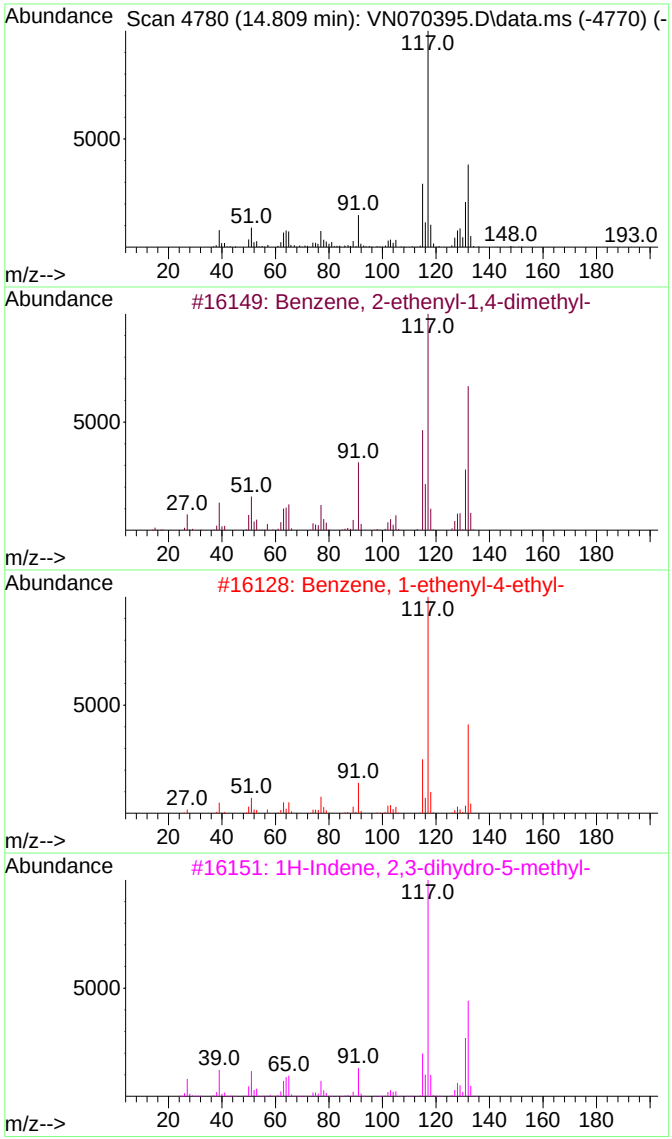
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

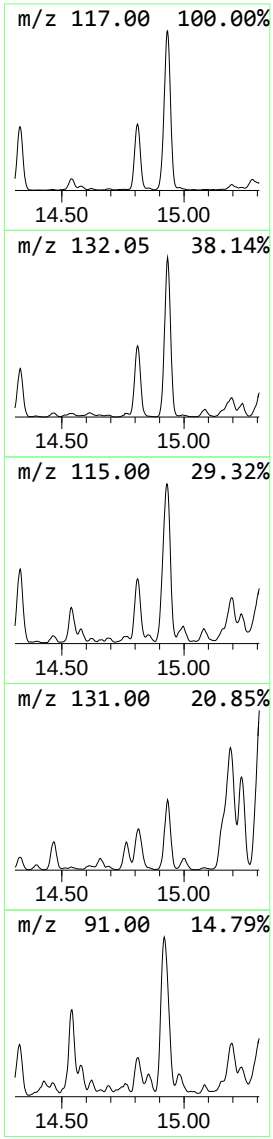
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.809	14.71 ug/l	804642	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
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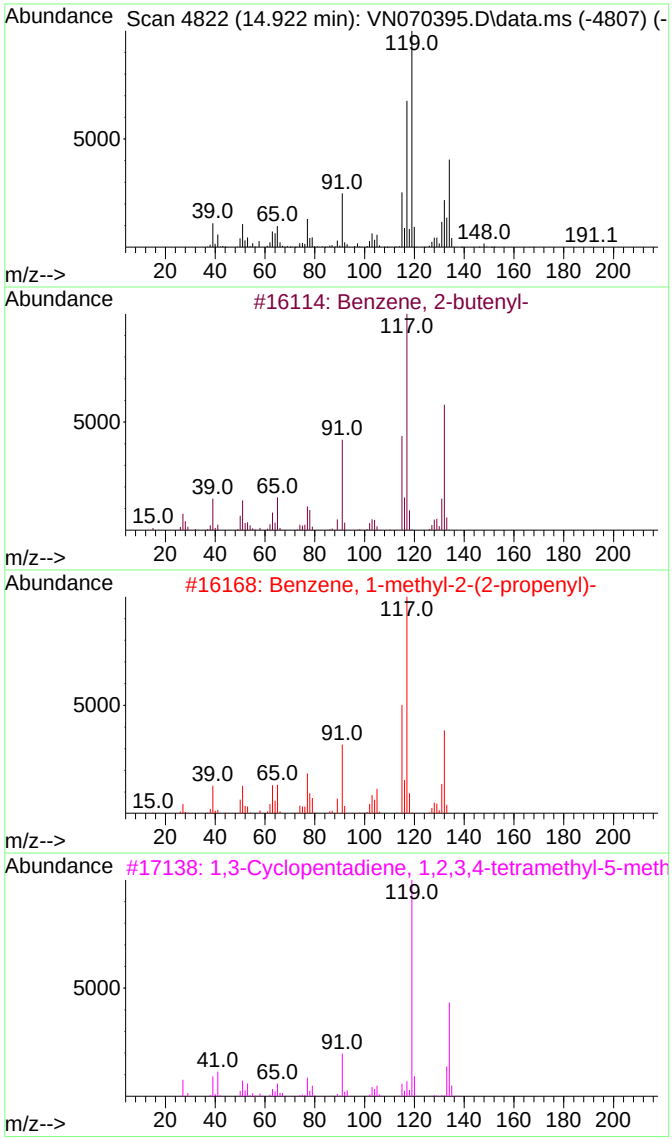
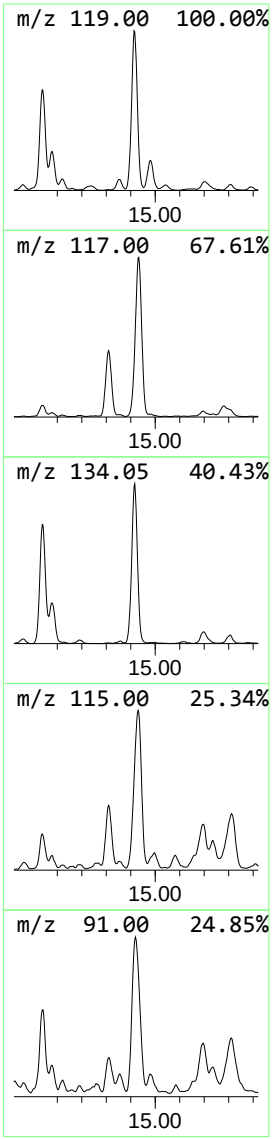
****

Peak Number 5 Benzene, 2-butenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.922	69.67 ug/l	3811970	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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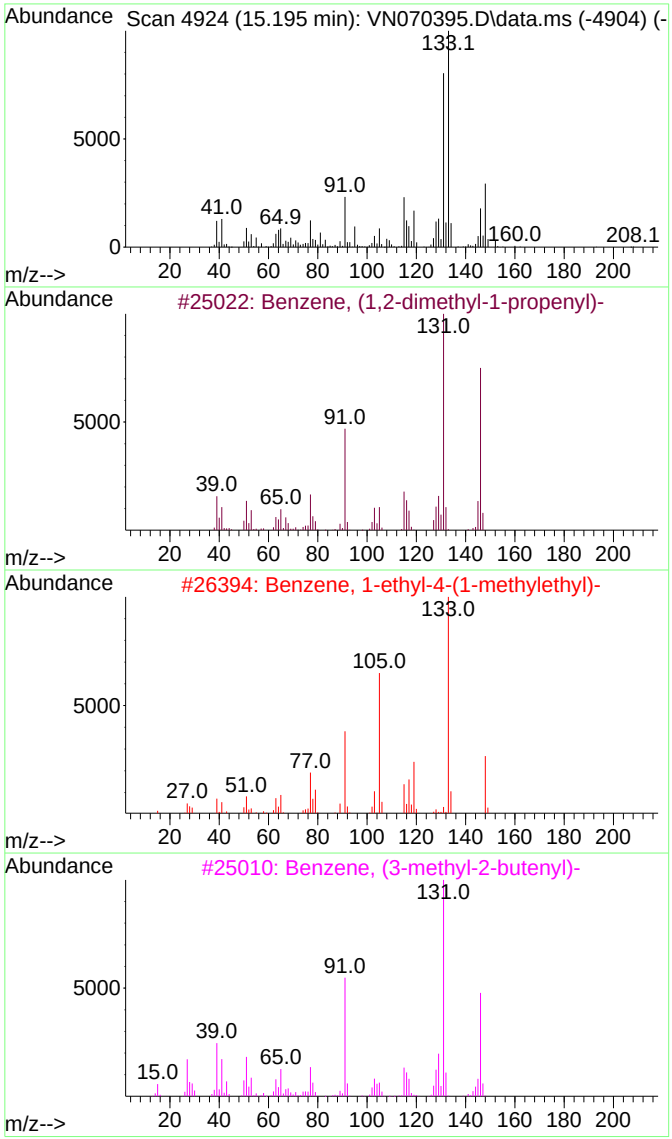
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

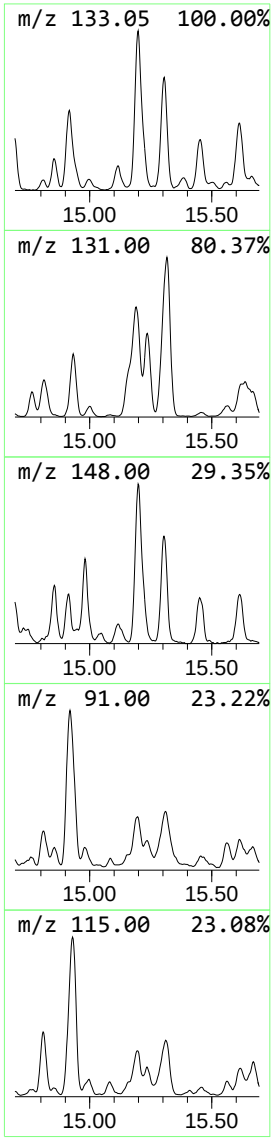
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.195	24.70 ug/l	1351550	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
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Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

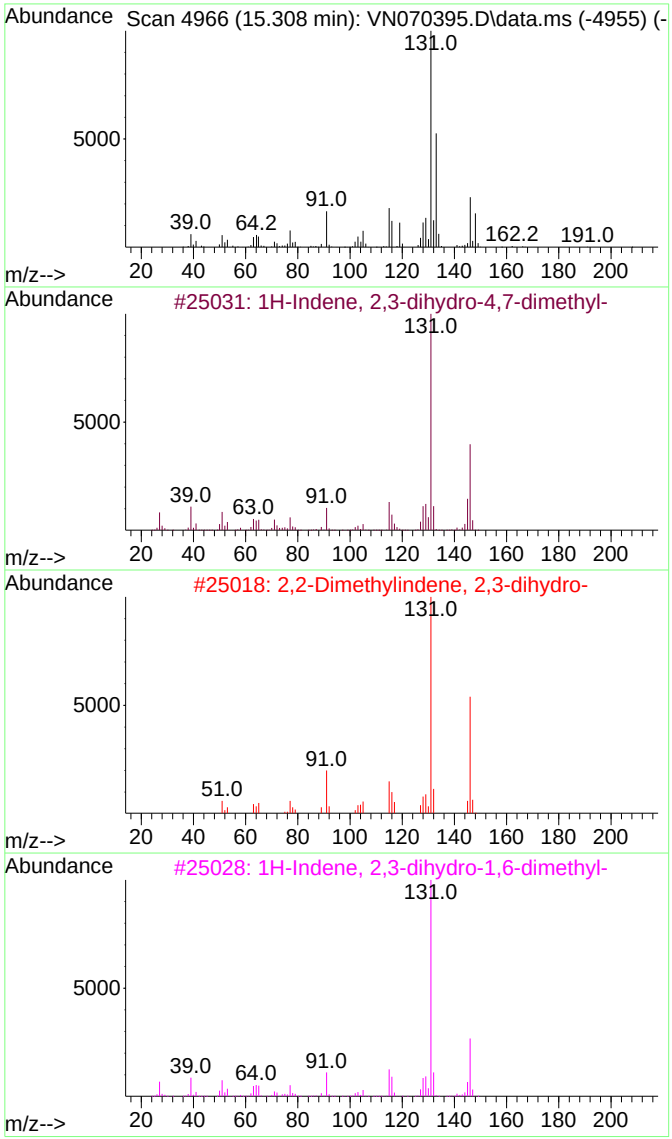
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

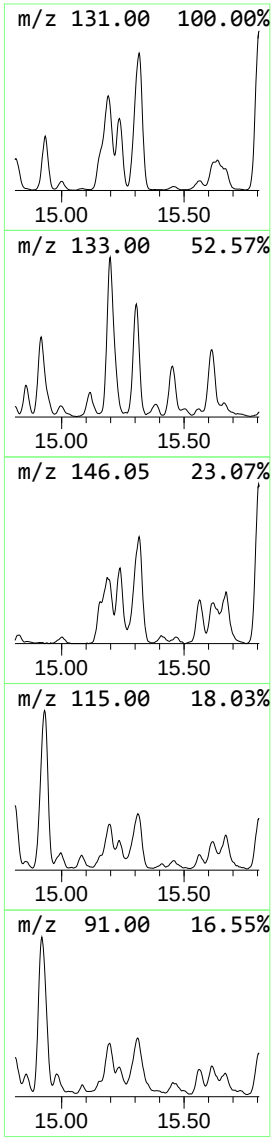
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.308	28.30 ug/l	1548320	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	64
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

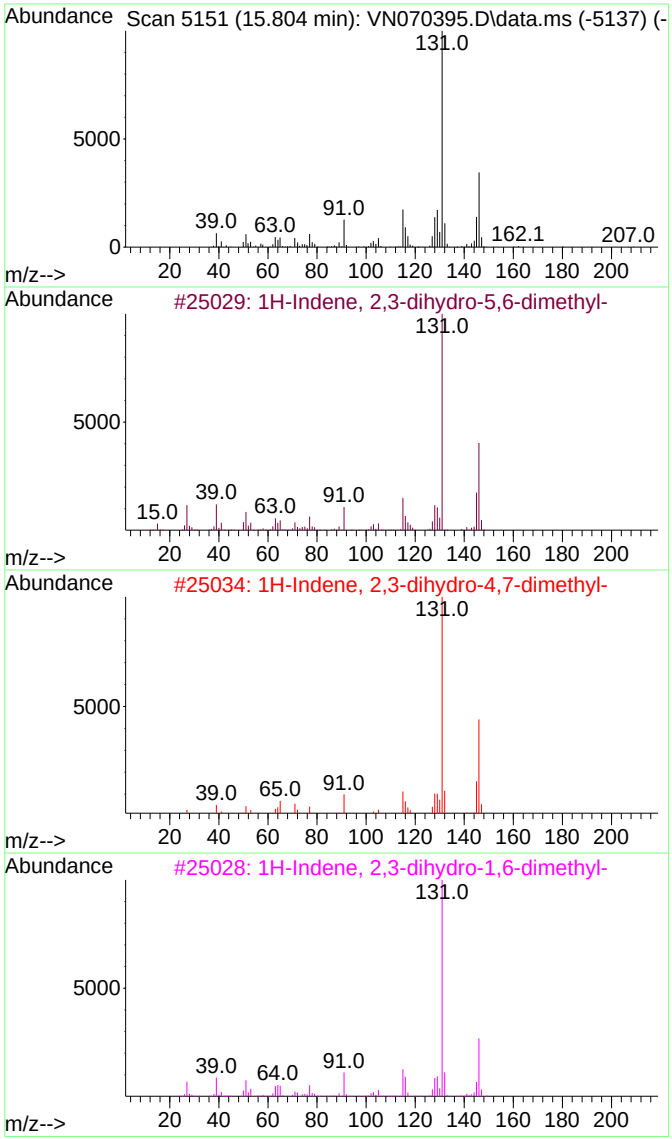
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

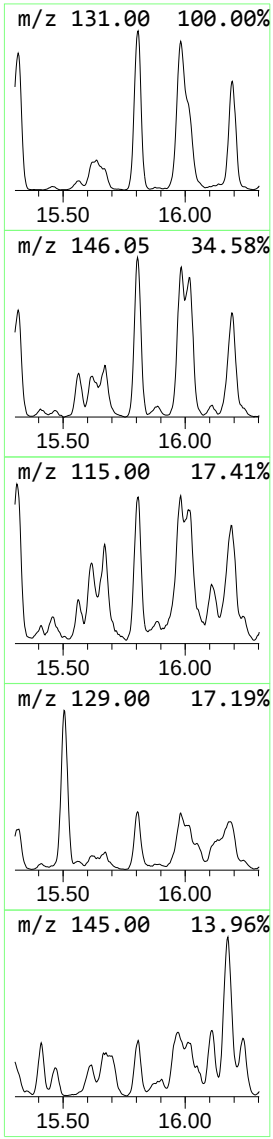
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.804	23.04 ug/l	1260710	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





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Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

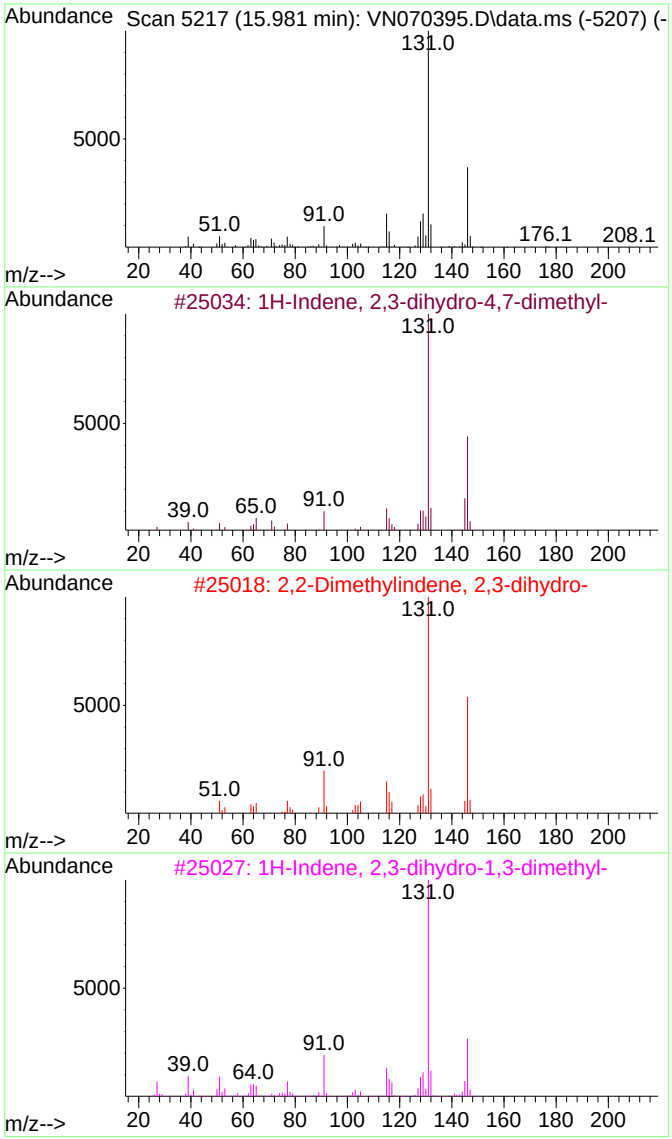
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

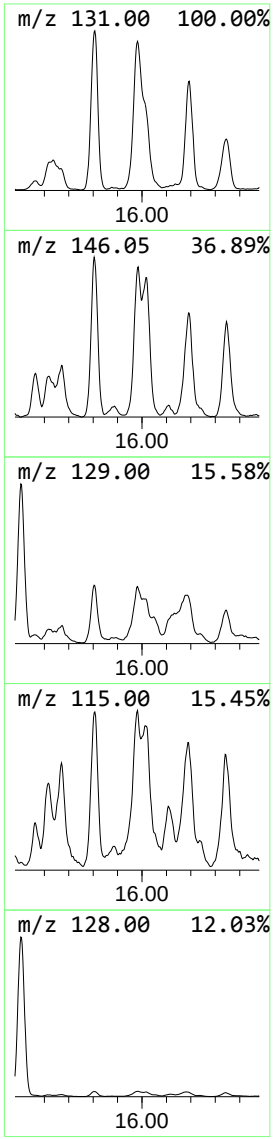
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 2,2-Dimethylindene, 2,3-dih... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.981	11.75 ug/l	643095	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

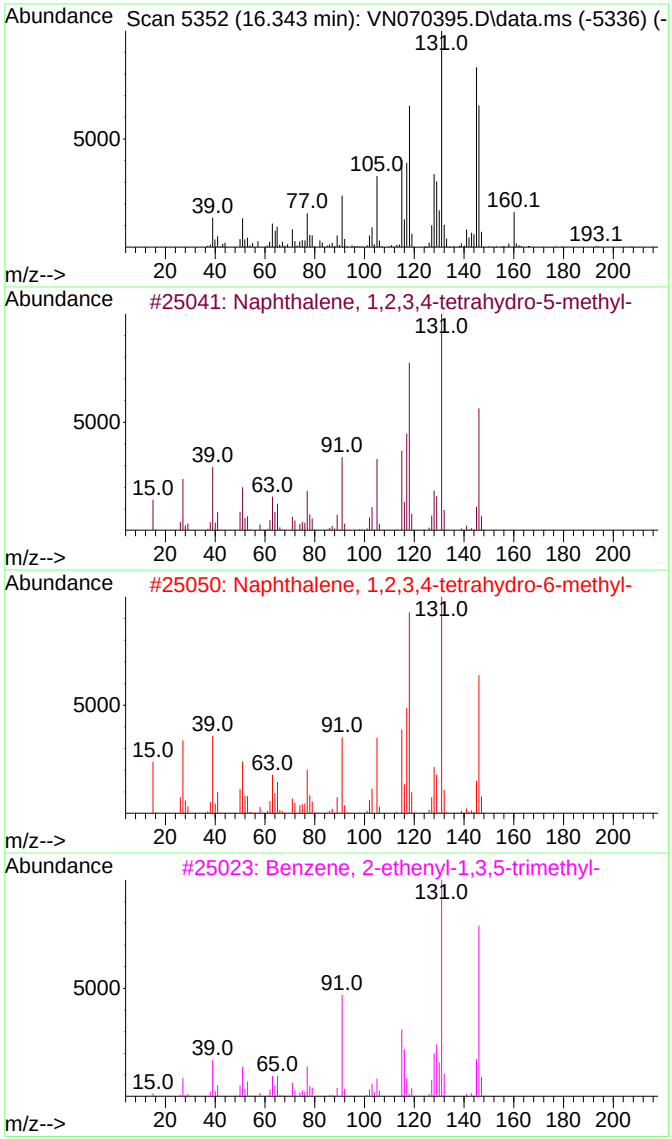
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260

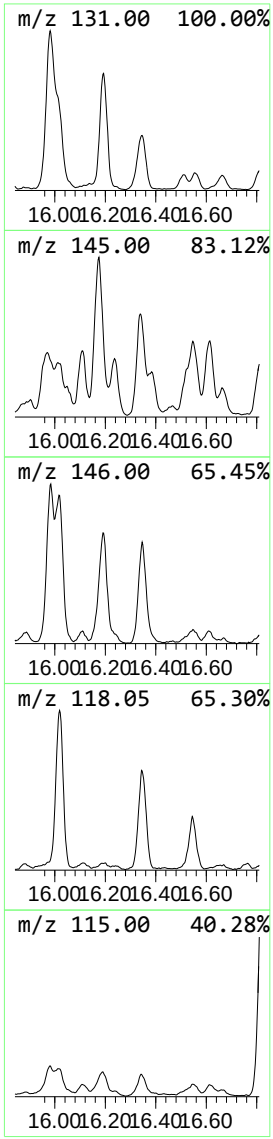
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.343	21.03 ug/l	1150520	1,4-Dichlorobenzene-d4	13.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	86
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	64
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	60
4	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	55
5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
Data File : VN070395.D
Acq On : 30 Dec 2021 13:25
Operator : JC/MD
Sample : M5219-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
N48854-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.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
Benzene, 4-ethy...	14.217	22.8	ug/l	1250000	4	13.675	2735930	50.0
1-Methyl-2-phen...	14.326	16.1	ug/l	880345	4	13.675	2735930	50.0
Benzene, 1,2,4,...	14.541	21.8	ug/l	1193560	4	13.675	2735930	50.0
Benzene, 2-ethe...	14.809	14.7	ug/l	804642	4	13.675	2735930	50.0
Benzene, 2-bute...	14.922	69.7	ug/l	3811970	4	13.675	2735930	50.0
Benzene, (1,2-d...	15.195	24.7	ug/l	1351550	4	13.675	2735930	50.0
1H-Indene, 2,3-...	15.308	28.3	ug/l	1548320	4	13.675	2735930	50.0
1H-Indene, 2,3-...	15.804	23.0	ug/l	1260710	4	13.675	2735930	50.0
2,2-Dimethylind...	15.981	11.8	ug/l	643095	4	13.675	2735930	50.0
Naphthalene, 1,...	16.343	21.0	ug/l	1150520	4	13.675	2735930	50.0