LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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	7.550	1788	1807	1818	rBV2	195538	489307	2.04%	0.264%
2	7.627	1818	1831	1855	rVB2	312181	749272	3.13%	0.404%
3	7.987	1925	1943	1962	rBV	224032	527617	2.20%	0.284%
4	8.550	2102	2118	2136	rBV	502663	1061710	4.43%	0.572%
5	10.061	2572	2588	2601	rBV	818469	1505713	6.28%	0.811%
6	11.379	2984	2998	3022	rBV	827277	1432604	5.98%	0.772%
7	12.376	3291	3308	3326	rBV	671301	1115362	4.65%	0.601%
8	12.566	3354	3367	3376	rBV	223653	359616	1.50%	0.194%
9	12.630	3376	3387	3393	rVV	1047400	1738840	7.25%	0.937%
10	12.662	3394	3397	3404	rVV	580003	748397	3.12%	0.403%
11	12.707	3404	3411	3429	rVB	910162	1438426	6.00%	0.775%
12	12.865	3447	3460	3476	rBV	1229122	1958704	8.17%	1.055%
13	13.016	3487	3507	3531	rBV	9994642	16317549	68.07%	8.793%
14	13.145	3531	3547	3557	rBV3	245166	569673	2.38%	0.307%
15	13.209	3557	3567	3576	rBV	568780	867625	3.62%	0.468%
16	13.264	3576	3584	3591	rBV	208735	300130	1.25%	0.162%
17	13.347	3591	3610	3625	rBV	7907109	14342655	59.83%	7.729%
18	13.518	3642	3663	3670	rBV	6539770	12316239	51.38%	6.637%
19	13.559	3670	3676	3695	rVB4	4058607	8092010	33.76%	4.360%
20	13.649	3695	3704	3711	rBV	347128	510677	2.13%	0.275%
21	13.714	3711	3724	3733	rBV2	1997820	3466092	14.46%	1.868%
22	13.778	3733	3744	3748	rBV	3678537	5707702	23.81%	3.076%
23	13.807	3749	3753	3761	rVV	3514341	4705726	19.63%	2.536%
24	13.862	3761	3770	3781	rVB	6546665	10126849	42.25%	5.457%
25	13.968	3793	3803	3814	rVB2	1897263	3128407	13.05%	1.686%
26	14.103	3834	3845	3855	rBV	2614786	4030939	16.82%	2.172%
27	14.183	3855	3870	3876	rVV	5036079	8254453	34.44%	4.448%
28	14.222	3876	3882	3891	rVV	8126337	12530673	52.27%	6.752%
29	14.270	3891	3897	3904	rVV2	833348	1212629	5.06%	0.653%
30	14.309	3904	3909	3923	rVB2	386016	641834	2.68%	0.346%
31	14.408	3934	3940	3944	rBV	276499	341334	1.42%	0.184%
32	14.450	3944	3953	3961	rVV	2768621	4360828	18.19%	2.350%
33	14.498	3962	3968	3975	rVB	1030143	1422084	5.93%	0.766%
34	14.559	3975	3987	4000	rBV3	7266203	15347833	64.03%	8.270%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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	14.624	4000	4007	4018	rVB3	969908	1573898	6.57%	0.848%
36	14.714	4027	4035	4042	rBV	427818	655817	2.74%	0.353%
37	14.829	4060	4071	4090	rVB	1747131	3980656	16.61%	2.145%
38	14.926	4091	4101	4120	rVB2	949442	1639469	6.84%	0.883%
39	15.103	4135	4156	4179	rBV	12392788	23971100	100.00%	12.917%
40	15.209	4180	4189	4198	rVV2	491127	825053	3.44%	0.445%
41	15.260	4198	4205	4212	rVV2	226248	377796	1.58%	0.204%
42	15.302	4212	4218	4232	rVB	290176	435148	1.82%	0.234%
43	15.386	4233	4244	4264	rBV	515639	1033026	4.31%	0.557%
44	15.546	4276	4294	4316	rVB2	305595	832718	3.47%	0.449%
45	15.665	4319	4331	4342	rVV	503613	961013	4.01%	0.518%
46	15.736	4343	4353	4368	rVB	237283	487934	2.04%	0.263%
47	16.122	4458	4473	4486	rBV	2049607	4086331	17.05%	2.202%
48	16.193	4486	4495	4515	rVB	414492	769106	3.21%	0.414%
49	16.308	4517	4531	4556	rVB	1018293	2227605	9.29%	1.200%

Sum of corrected areas: 185576179

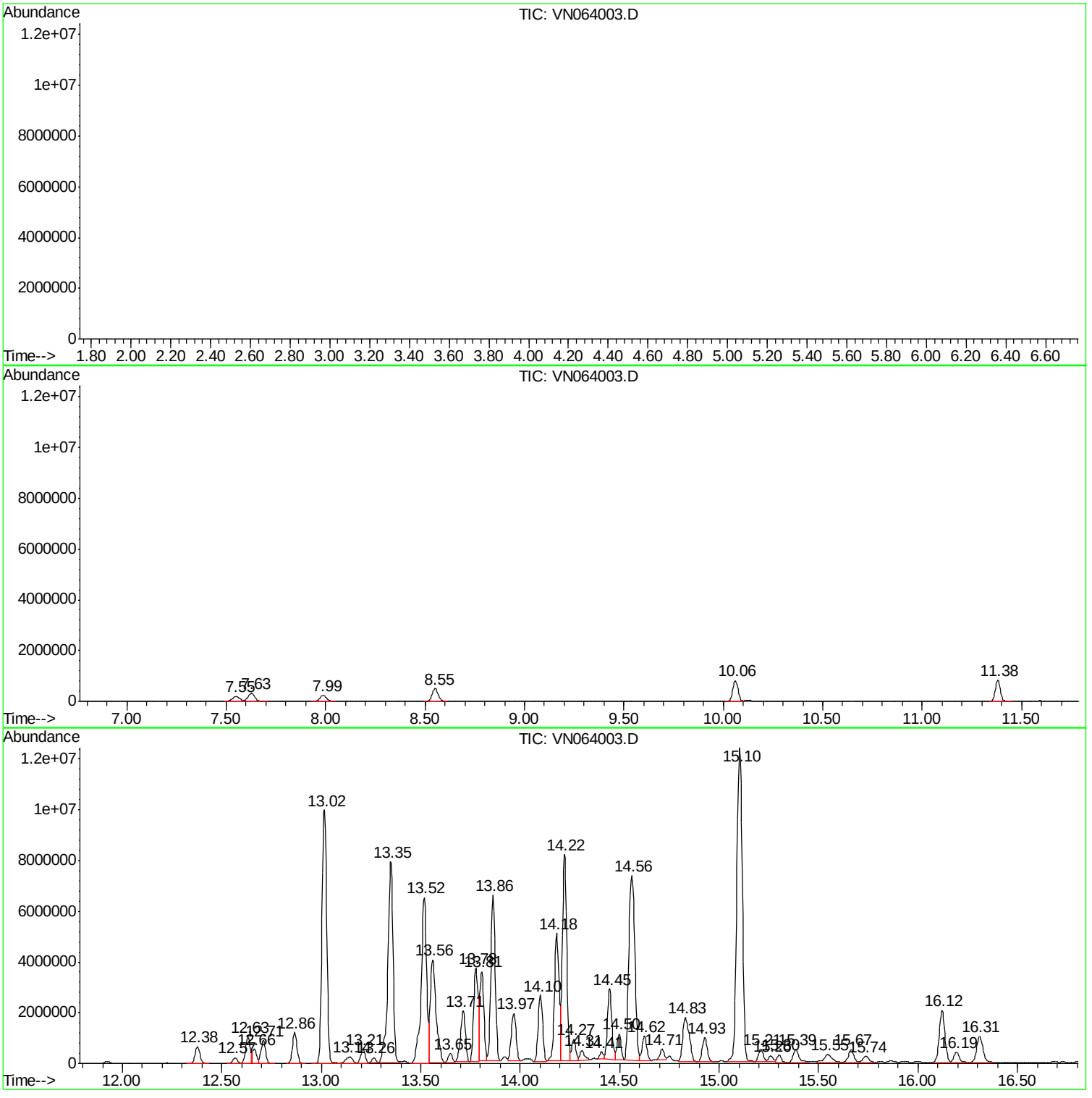
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
UST-CONTENT-LIQUID

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\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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

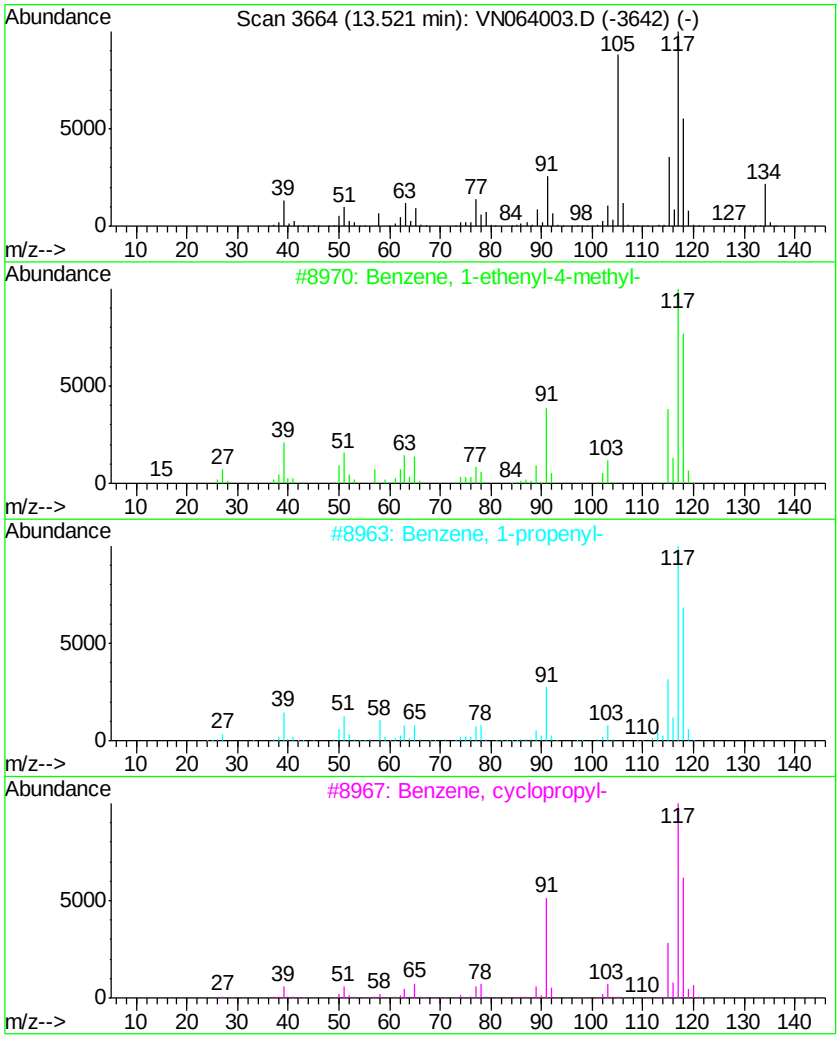
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

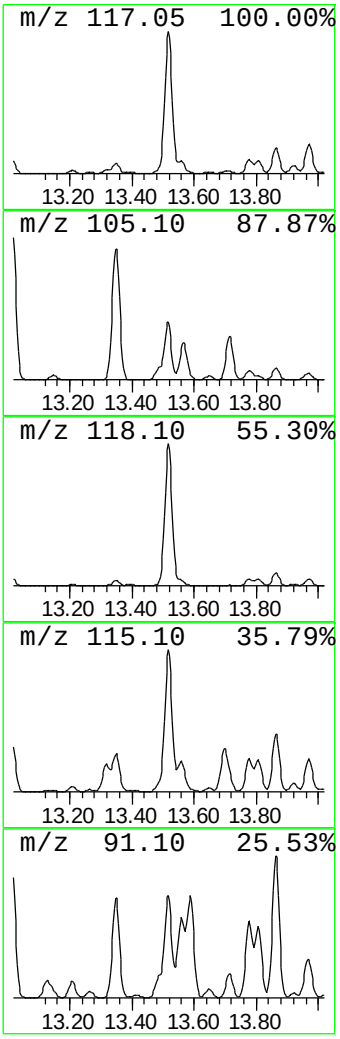
****

Peak Number 1 Benzene, 1-ethenyl-4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	42.94 ug/l	12316200	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	86
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	60
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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

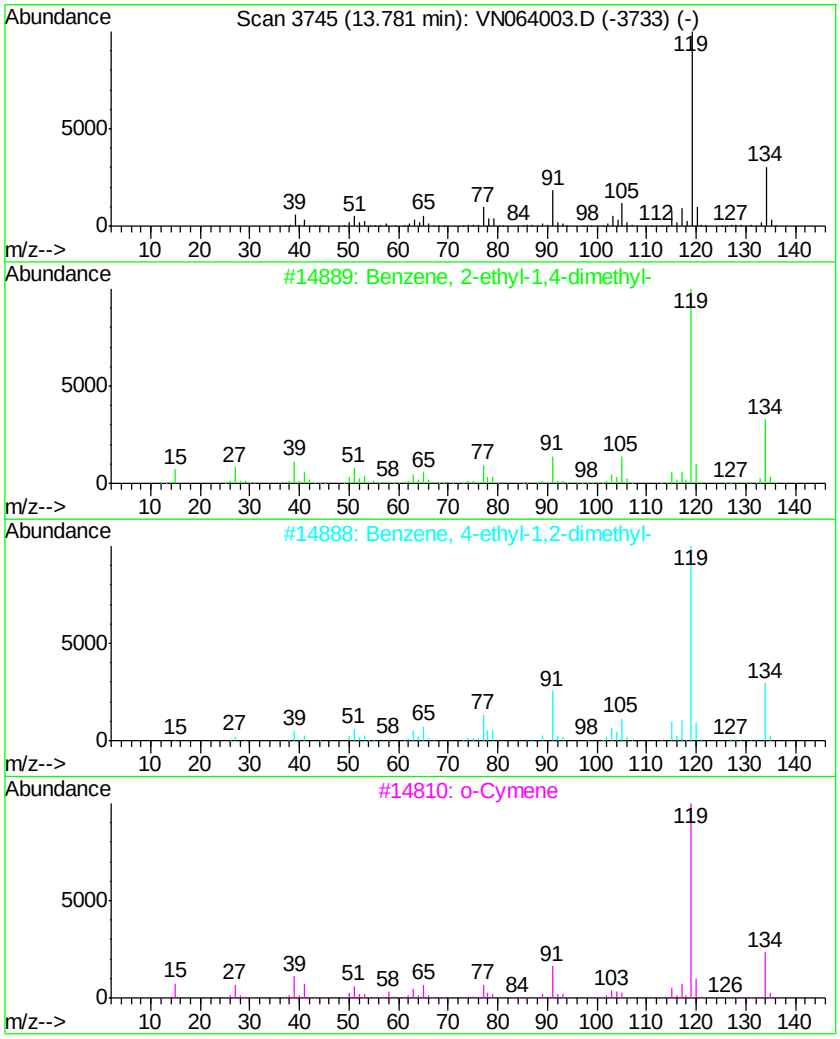
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

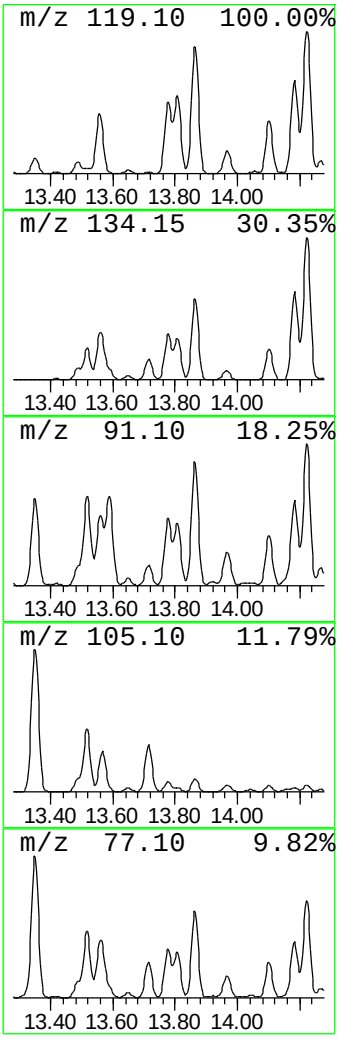
****

Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	19.90 ug/l	5707700	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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

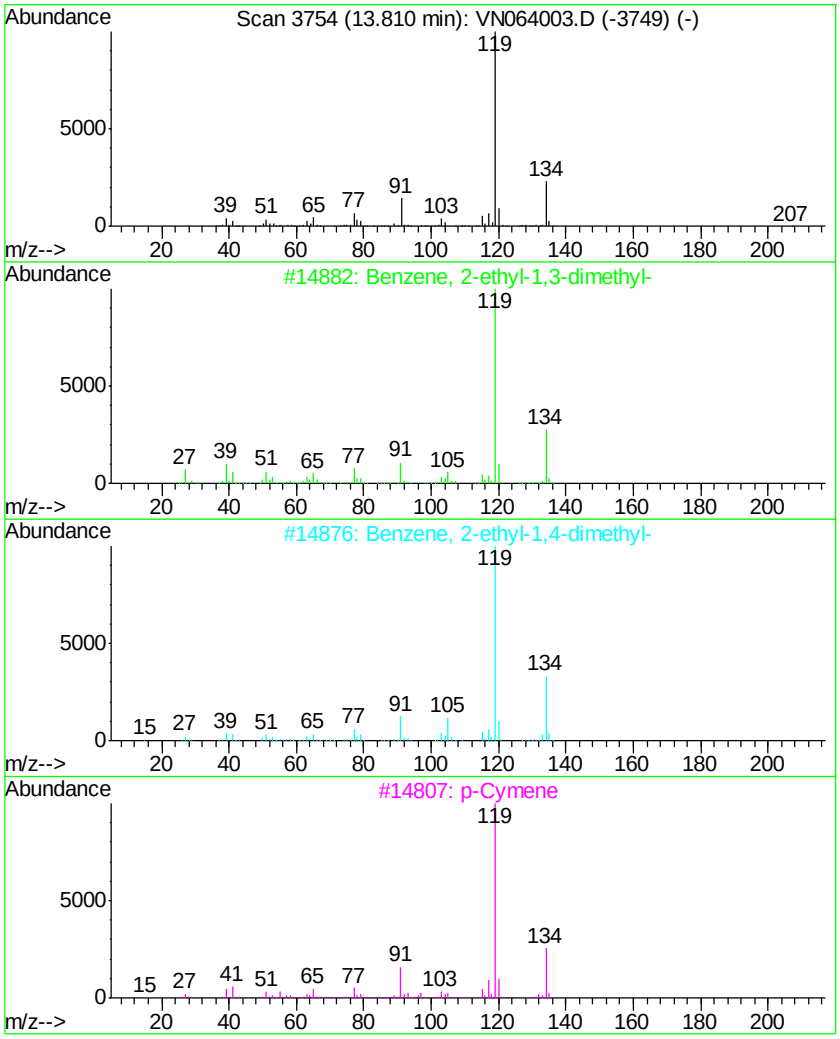
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

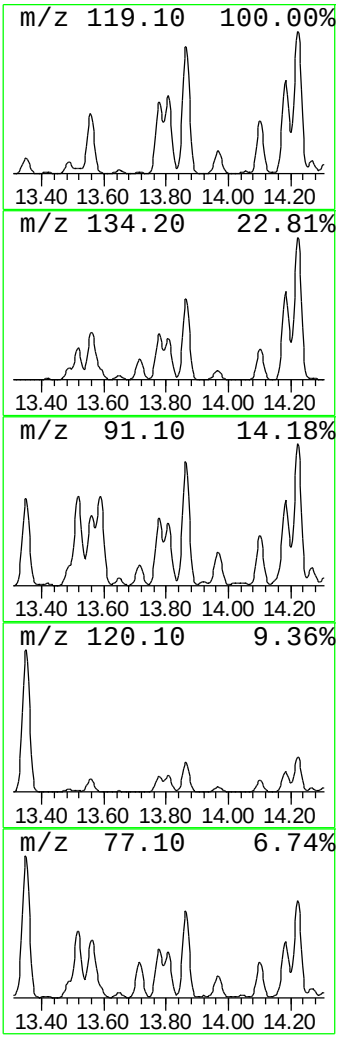
****

Peak Number 3 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	16.40 ug/l	4705730	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	o-Cymene	134	C10H14	000527-84-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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

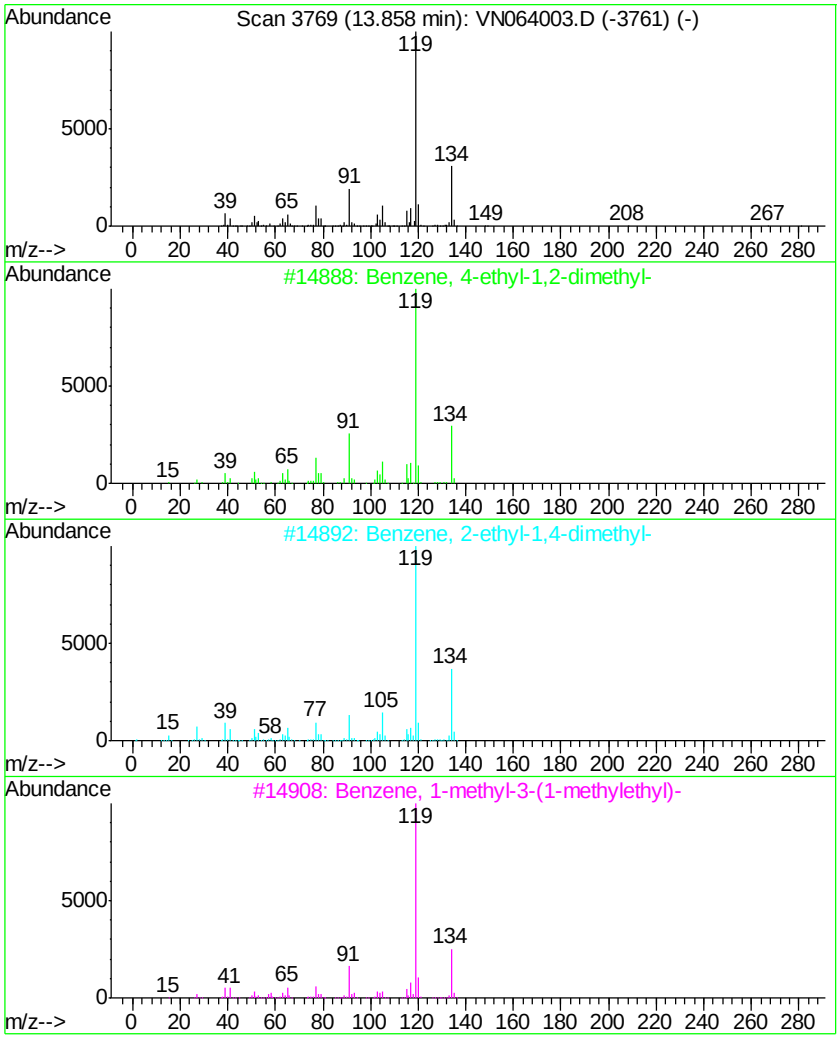
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

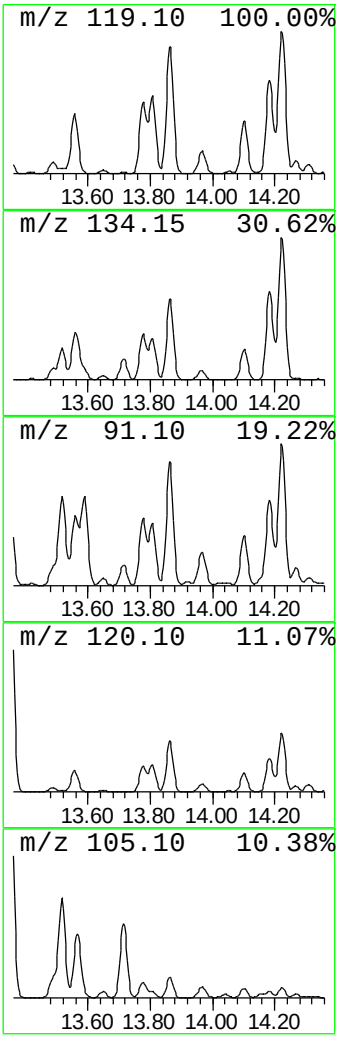
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	35.30 ug/l	10126800	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	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	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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

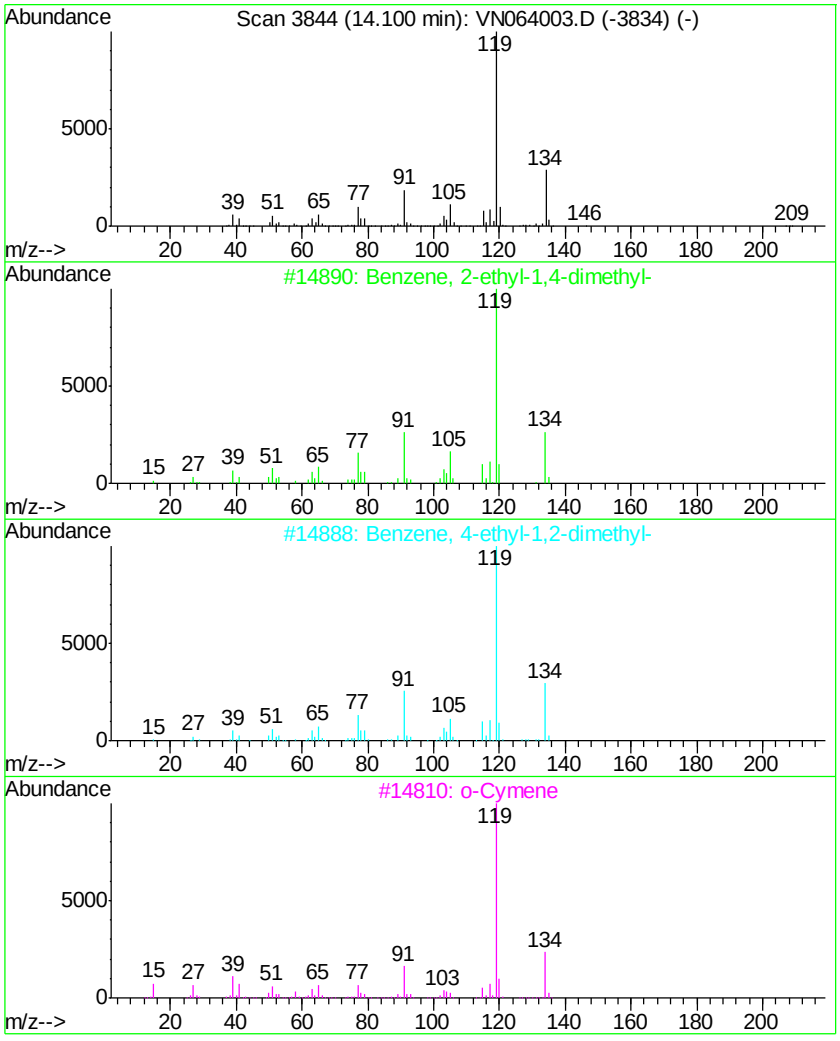
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

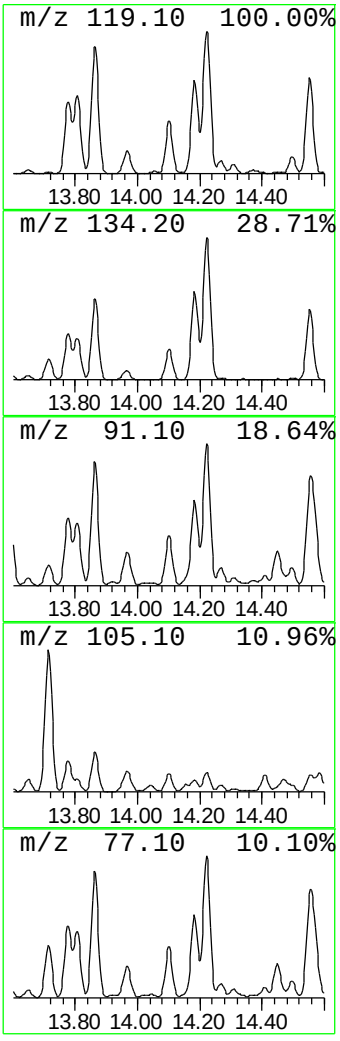
****

Peak Number 5 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	14.05 ug/l	4030940	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
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\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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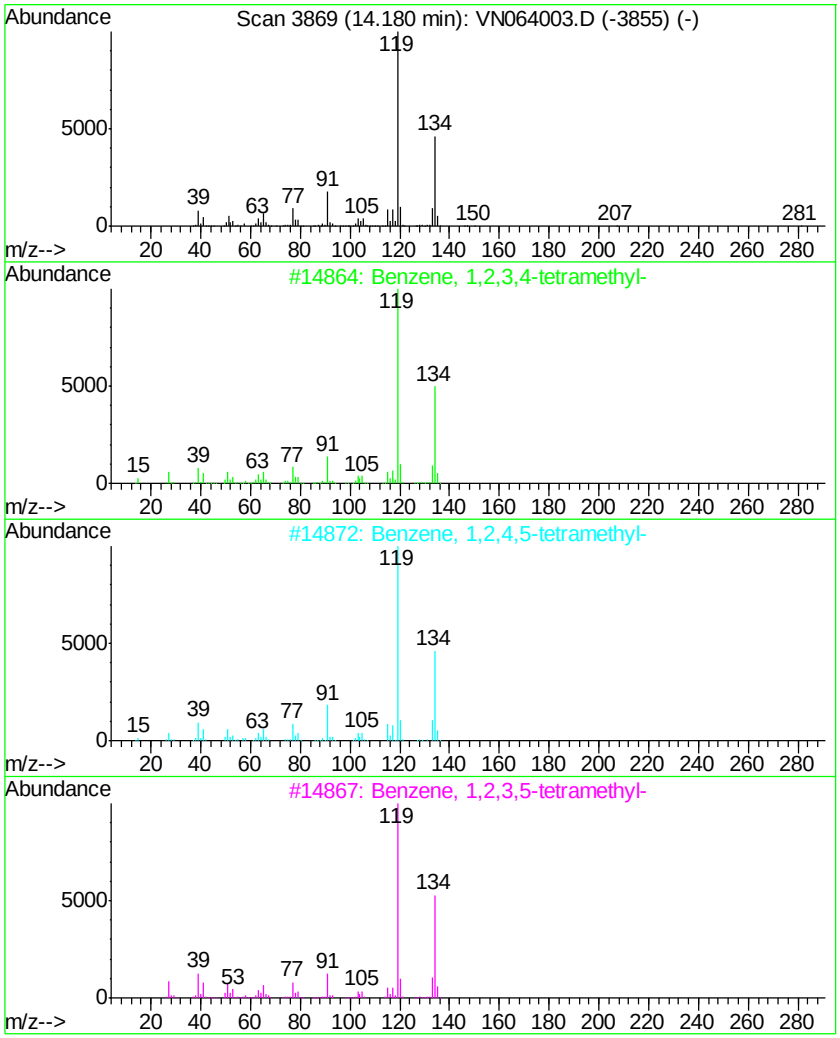
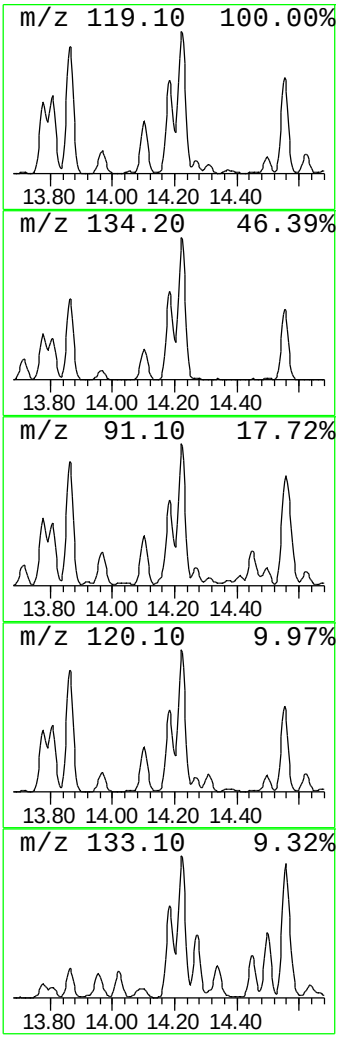
Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	28.78 ug/l	8254450	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	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	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\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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

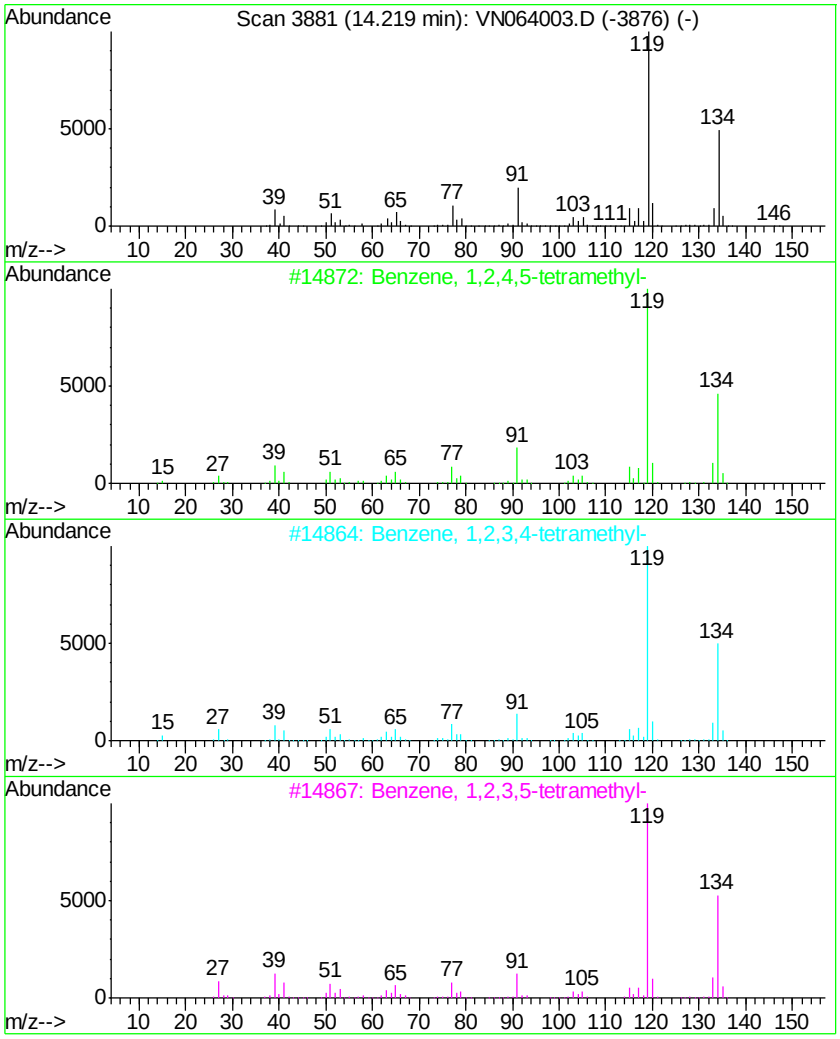
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

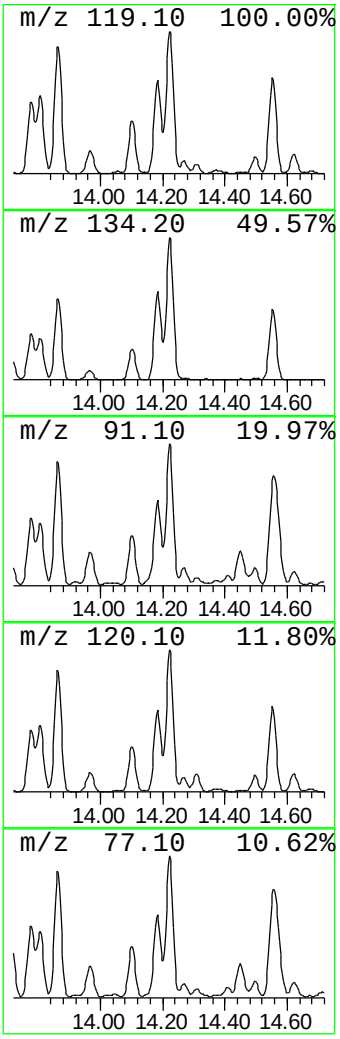
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	43.68 ug/l	12530700	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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

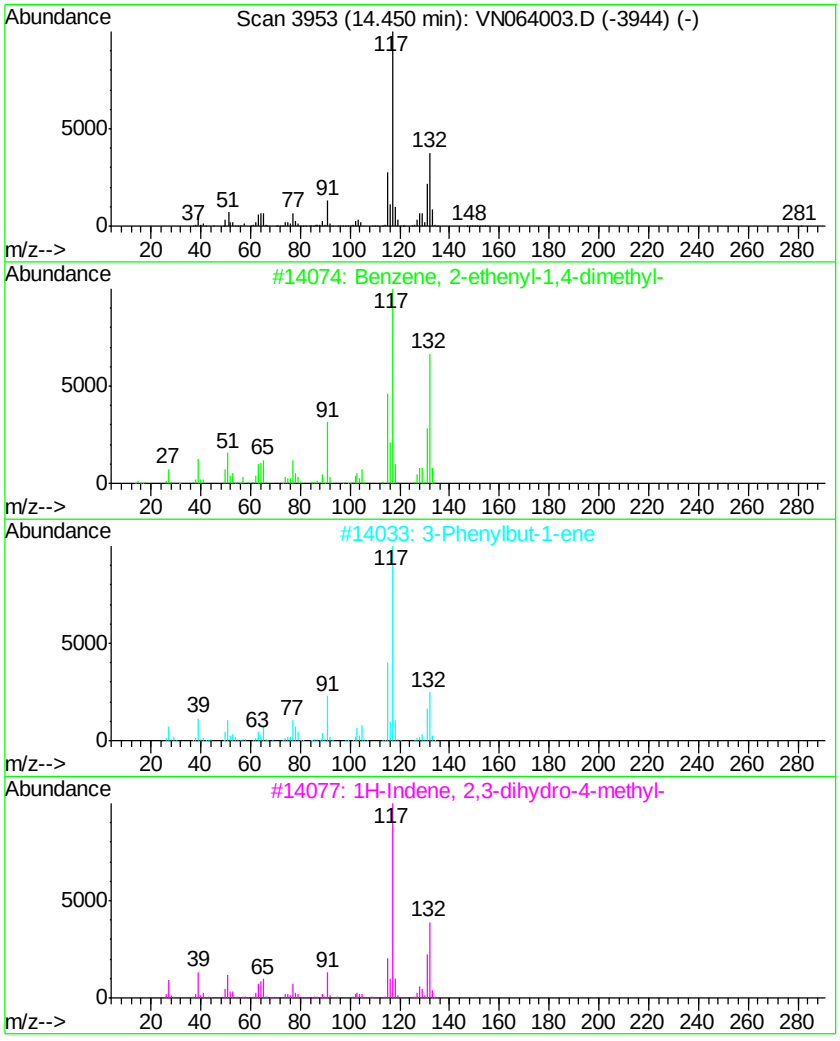
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

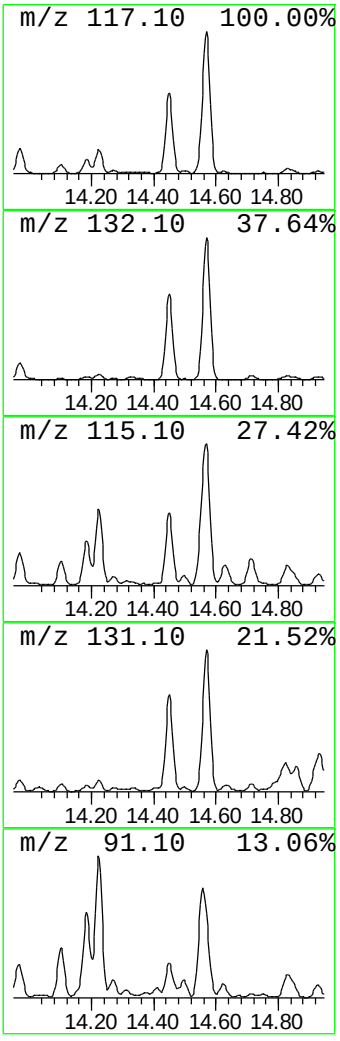
****

Peak Number 8 3-Phenylbut-1-ene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	15.20 ug/l	4360830	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	80





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Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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

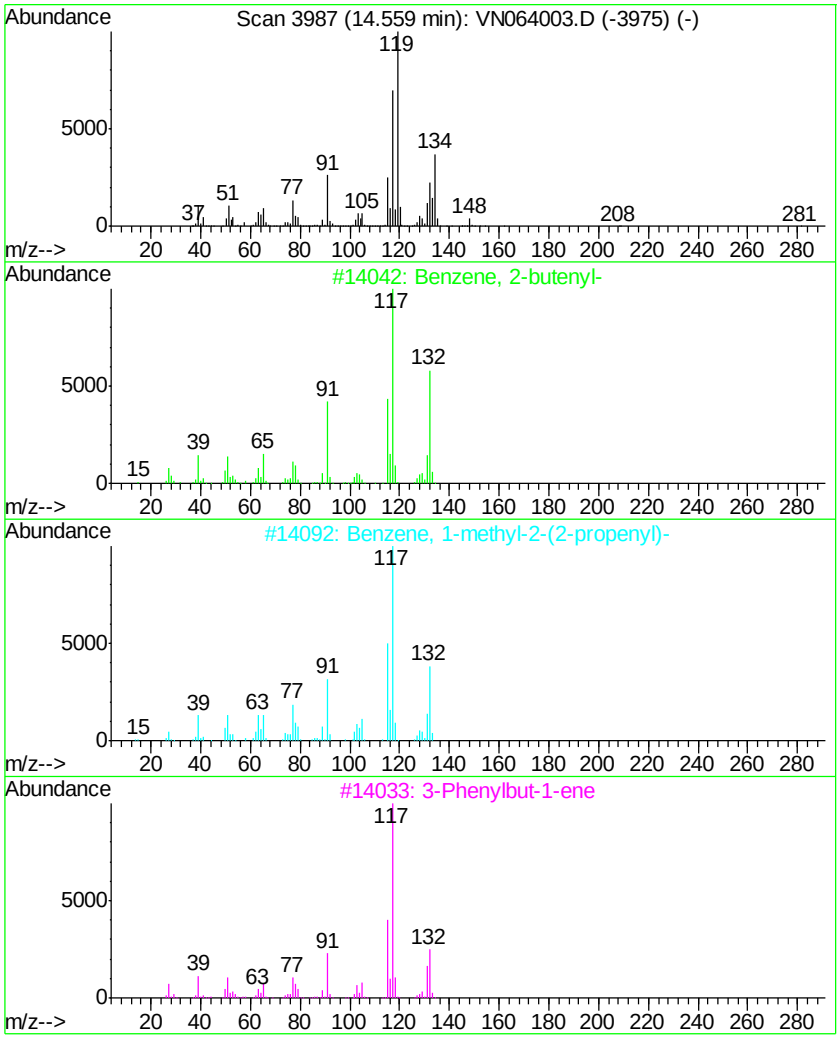
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

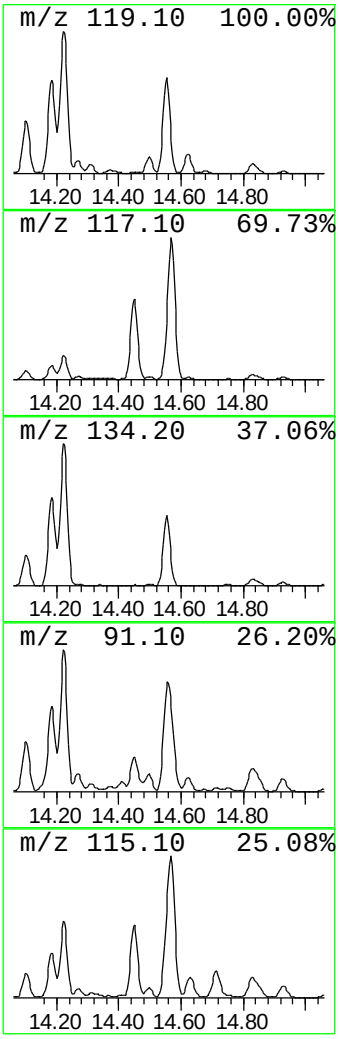
****

Peak Number 9 Benzene, 2-butenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	53.50 ug/l	15347800	1,4-Dichlorobenzene-d4	13.32

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	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
5	o-Cymene	134	C10H14	000527-84-4	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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

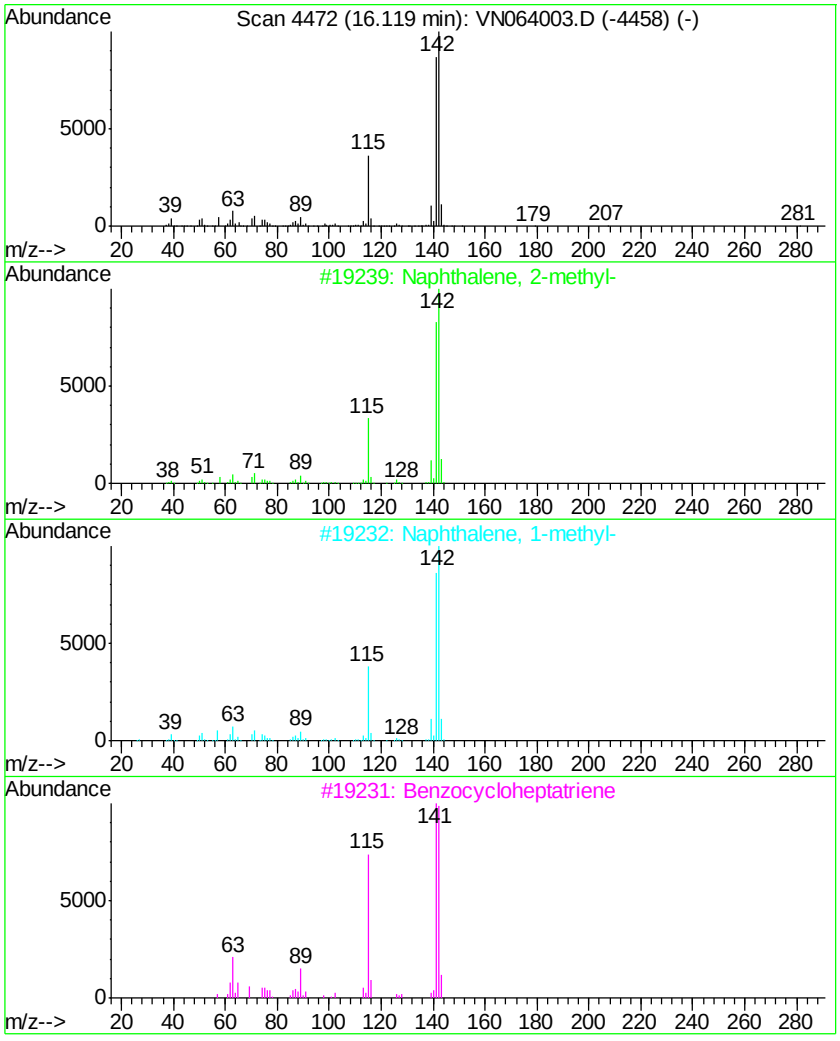
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

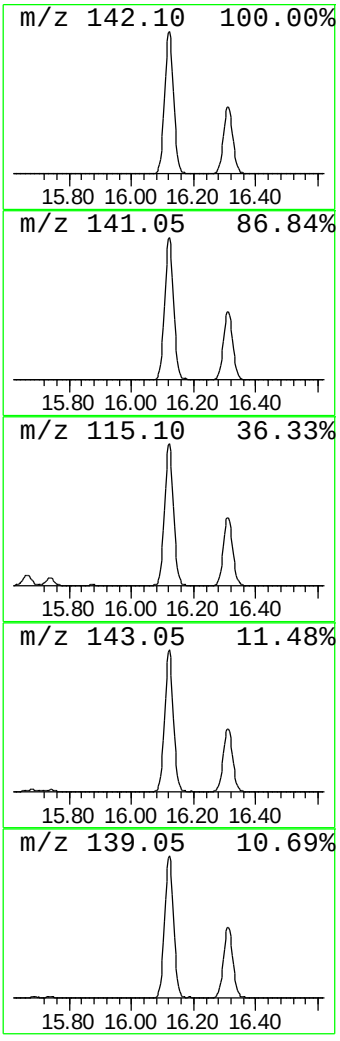
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	14.25 ug/l	4086330	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100820\
Data File : VN064003.D
Acq On : 8 Oct 2020 20:05
Operator : JC/MD
Sample : L4234-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : UST-CONTENT-LIQUID

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
Benzene, 1-etheny...	13.52	42.9	ug/l	12316200	4	13.32	14342700	50.0
Benzene, 2-ethyl-...	13.78	19.9	ug/l	5707700	4	13.32	14342700	50.0
Benzene, 2-ethyl-...	13.81	16.4	ug/l	4705730	4	13.32	14342700	50.0
Benzene, 4-ethyl-...	13.86	35.3	ug/l	10126800	4	13.32	14342700	50.0
o-Cymene	14.10	14.1	ug/l	4030940	4	13.32	14342700	50.0
Benzene, 1,2,3,4-...	14.18	28.8	ug/l	8254450	4	13.32	14342700	50.0
Benzene, 1,2,4,5-...	14.22	43.7	ug/l	12530700	4	13.32	14342700	50.0
3-Phenylbut-1-ene	14.45	15.2	ug/l	4360830	4	13.32	14342700	50.0
Benzene, 2-butenyl-	14.56	53.5	ug/l	15347800	4	13.32	14342700	50.0
Naphthalene, 1-me...	16.12	14.3	ug/l	4086330	4	13.32	14342700	50.0