LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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	6.582	1485	1506	1526	rBV	568377	1793077	1.64%	0.267%
2	7.621	1816	1829	1846	rVB4	664289	1755400	1.60%	0.262%
3	8.003	1928	1948	1969	rBV3	1492583	3719613	3.40%	0.555%
4	8.550	2101	2118	2141	rBV2	729689	1771435	1.62%	0.264%
5	9.048	2247	2273	2288	rBV3	505200	1425066	1.30%	0.212%
6	10.061	2574	2588	2597	rBV	910471	1699333	1.55%	0.253%
7	10.125	2597	2608	2633	rVV	3734198	6822419	6.23%	1.017%
8	10.273	2634	2654	2666	rVV2	670760	1238294	1.13%	0.185%
9	10.351	2666	2678	2691	rVV	701706	1194923	1.09%	0.178%
10	11.383	2985	2999	3016	rBV	919775	1776123	1.62%	0.265%
11	11.486	3017	3031	3049	rVV	33030299	61729437	56.37%	9.204%
12	11.604	3050	3068	3090	rVB	50731275	109500781	100.00%	16.326%
13	11.926	3154	3168	3210	rVB	54272511	108030342	98.66%	16.107%
14	12.225	3249	3261	3275	rVB	2637789	4255634	3.89%	0.635%
15	12.376	3297	3308	3320	rBV	824708	1359894	1.24%	0.203%
16	12.566	3340	3367	3377	rBV	5260136	8884649	8.11%	1.325%
17	12.633	3377	3388	3393	rVV	16238138	28453618	25.98%	4.242%
18	12.666	3393	3398	3405	rVV	14116964	22030087	20.12%	3.285%
19	12.711	3405	3412	3426	rVB	8434450	13454355	12.29%	2.006%
20	12.868	3447	3461	3478	rBV	15647799	27064826	24.72%	4.035%
21	13.019	3492	3508	3521	rBV	47129625	82942355	75.75%	12.367%
22	13.209	3557	3567	3576	rBV	744269	1158288	1.06%	0.173%
23	13.350	3592	3611	3642	rVB	19167359	35017390	31.98%	5.221%
24	13.518	3642	3663	3673	rBV	19466521	37535038	34.28%	5.596%
25	13.559	3673	3676	3694	rVB3	2813070	4493036	4.10%	0.670%
26	13.701	3709	3720	3734	rVV2	3809713	7390165	6.75%	1.102%
27	13.778	3734	3744	3749	rVV	3099920	4997804	4.56%	0.745%
28	13.807	3750	3753	3762	rVV	2592781	3194469	2.92%	0.476%
29	13.865	3762	3771	3780	rVV	4639315	7078574	6.46%	1.055%
30	13.919	3780	3788	3795	rVV	1000238	1590056	1.45%	0.237%
31	13.971	3795	3804	3822	rVB2	3766231	6220820	5.68%	0.928%
32	14.103	3834	3845	3856	rBV	1412259	2175685	1.99%	0.324%
33	14.183	3858	3870	3876	rBV	2585836	4142314	3.78%	0.618%
34	14.222	3876	3882	3892	rVB	3770491	5655420	5.16%	0.843%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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	14.450	3943	3953	3963	rBV	3527087	5346504	4.88%	0.797%
36	14.569	3976	3990	4001	rBV3	6489122	12165403	11.11%	1.814%
37	14.630	4001	4009	4022	rVB3	984012	1626298	1.49%	0.242%
38	14.714	4023	4035	4051	rBV	1620367	2745010	2.51%	0.409%
39	14.823	4052	4069	4076	rBV5	588980	1426674	1.30%	0.213%
40	14.932	4090	4103	4123	rVB3	571540	1290541	1.18%	0.192%
41	15.103	4139	4156	4172	rBV	13949645	26022509	23.76%	3.880%
42	15.199	4174	4186	4198	rVV	1070894	2032939	1.86%	0.303%
43	16.122	4460	4473	4497	rVB	1961083	4089224	3.73%	0.610%
44	16.312	4517	4532	4554	rVB	1133678	2404543	2.20%	0.359%

Sum of corrected areas: 670700365

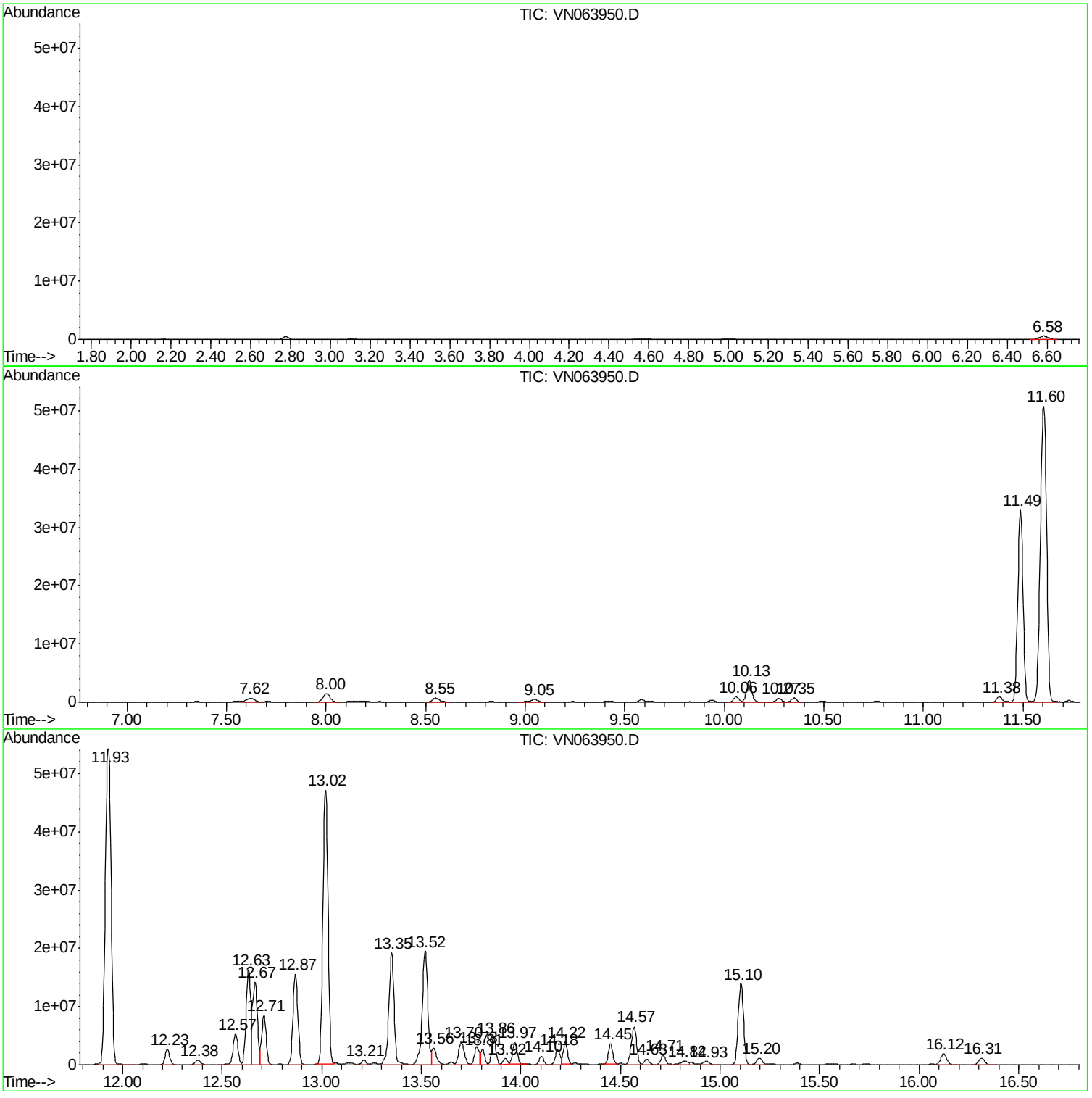
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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 : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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

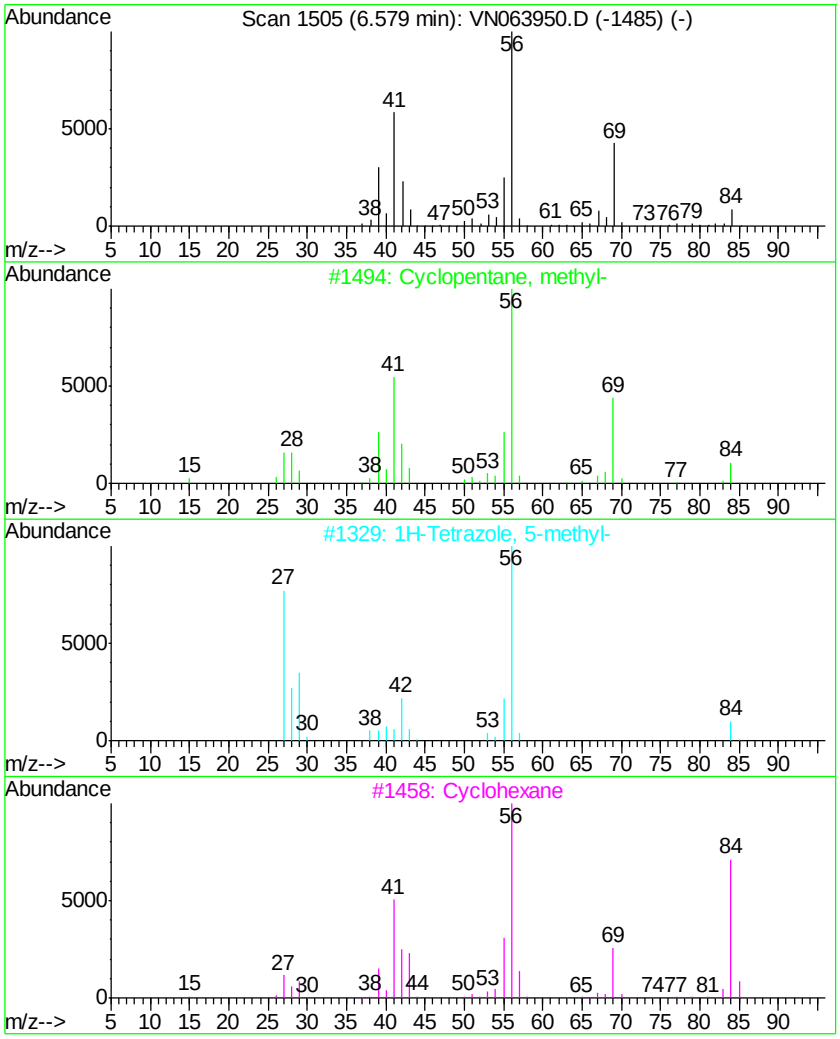
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

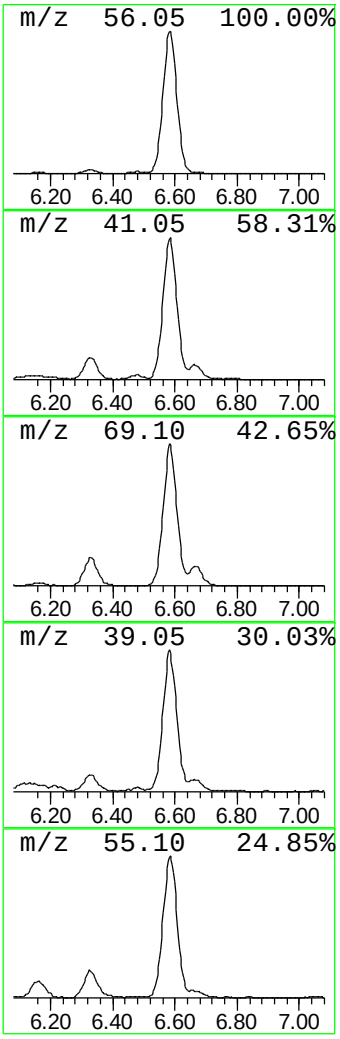
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	51.07 ug/l	1793080	Pentafluorobenzene	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclohexane	84	C6H12	000110-82-7	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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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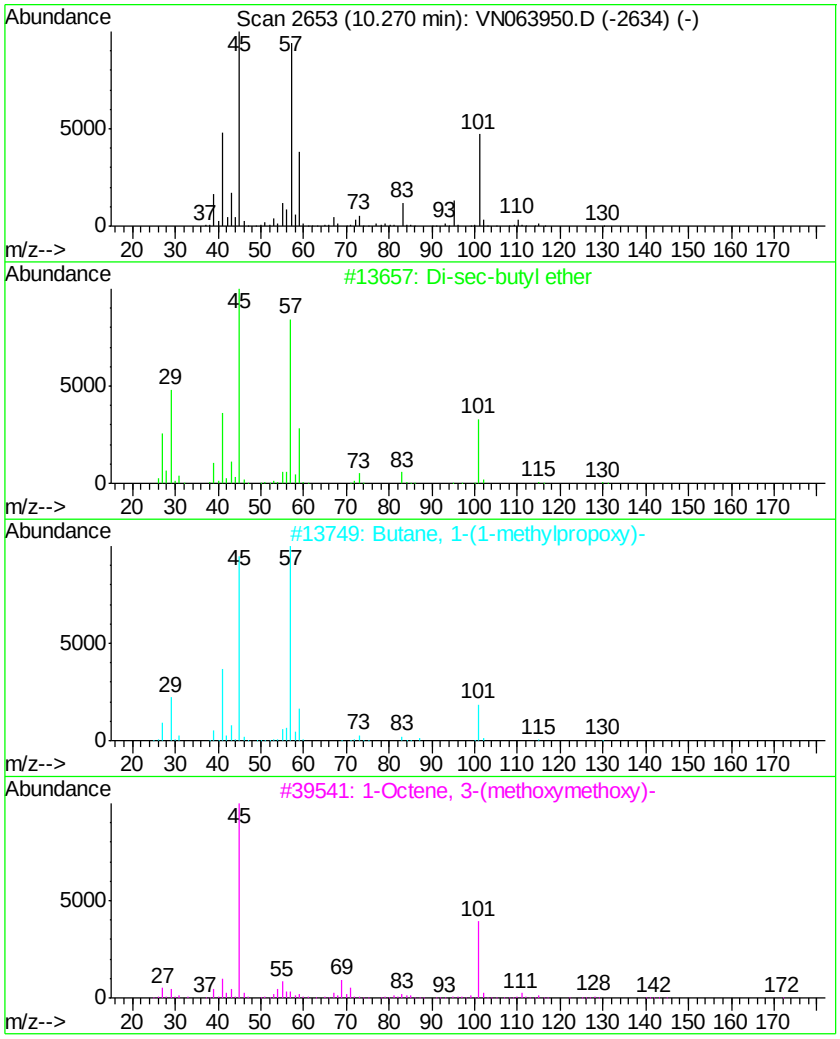
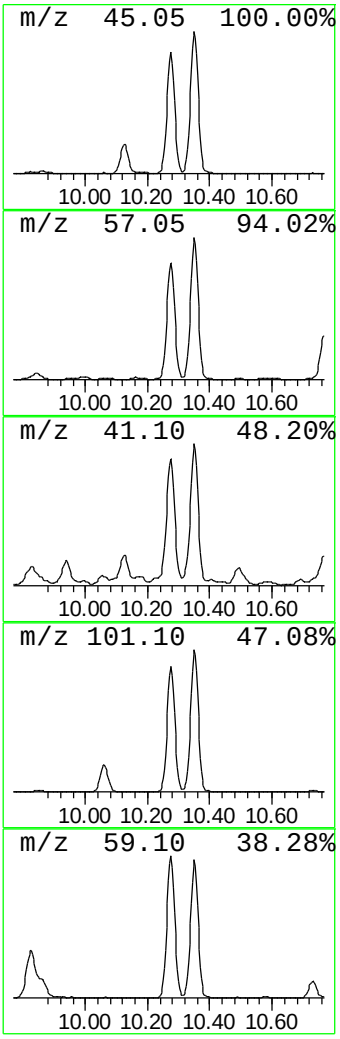
Peak Number 2 Di-sec-butyl ether Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	34.86 ug/l	1238290	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-sec-butyl ether	130	C8H18O	006863-58-7	90
2	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	50
3	1-Octene, 3-(methoxymethoxy)-	172	C10H20O2	088738-34-5	40
4	3-Pentanol, 3-ethyl-2-methyl-	130	C8H18O	000597-05-7	38
5	Fructofuranose, 2,6-anhydro-1,3,...	204	C9H16O5	004451-11-0	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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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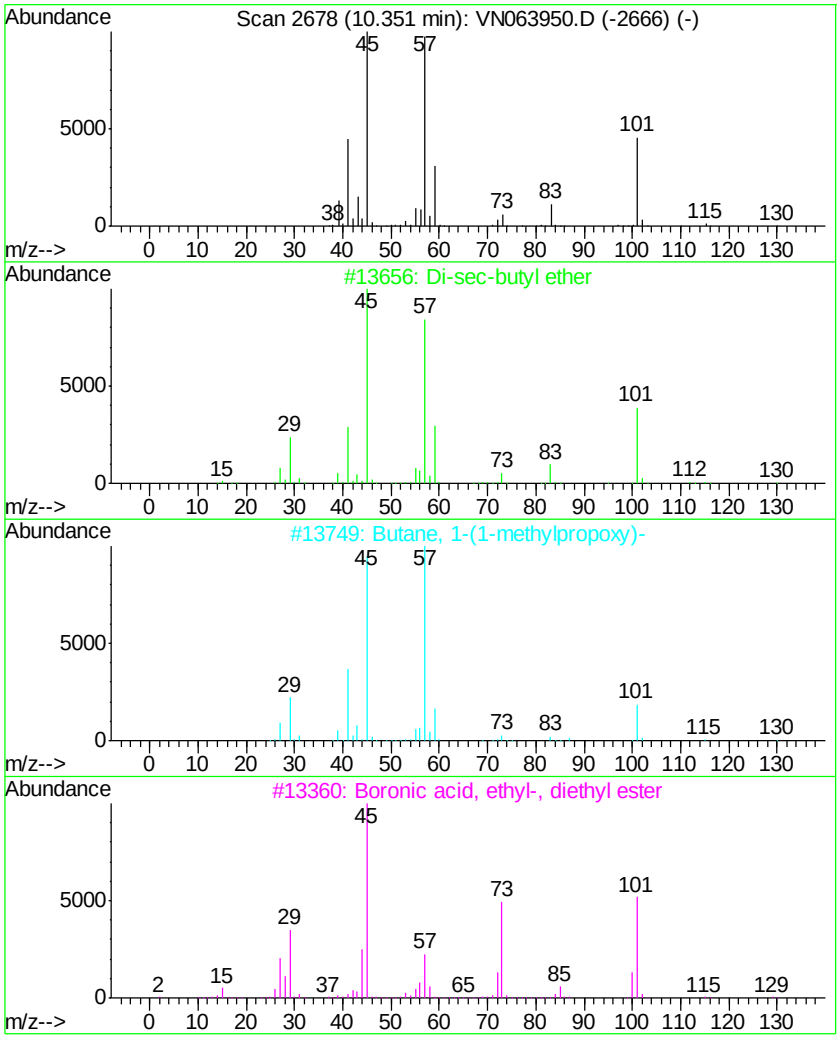
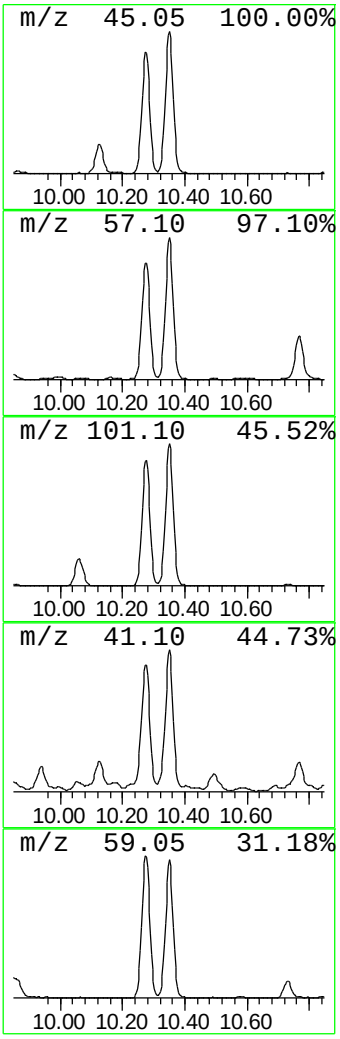
Peak Number 3 Butane, 1-(1-methylpropoxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	33.64 ug/l	1194920	Chlorobenzene-d5	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-sec-butyl ether	130	C8H18O	006863-58-7	91
2	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	53
3	Boronic acid, ethyl-, diethyl ester	130	C6H15BO2	053907-92-9	42
4	Butanoic acid, 4-methoxy-	118	C5H10O3	029006-02-8	37
5	Fructofuranose, 2,6-anhydro-1,3,...	204	C9H16O5	004451-11-0	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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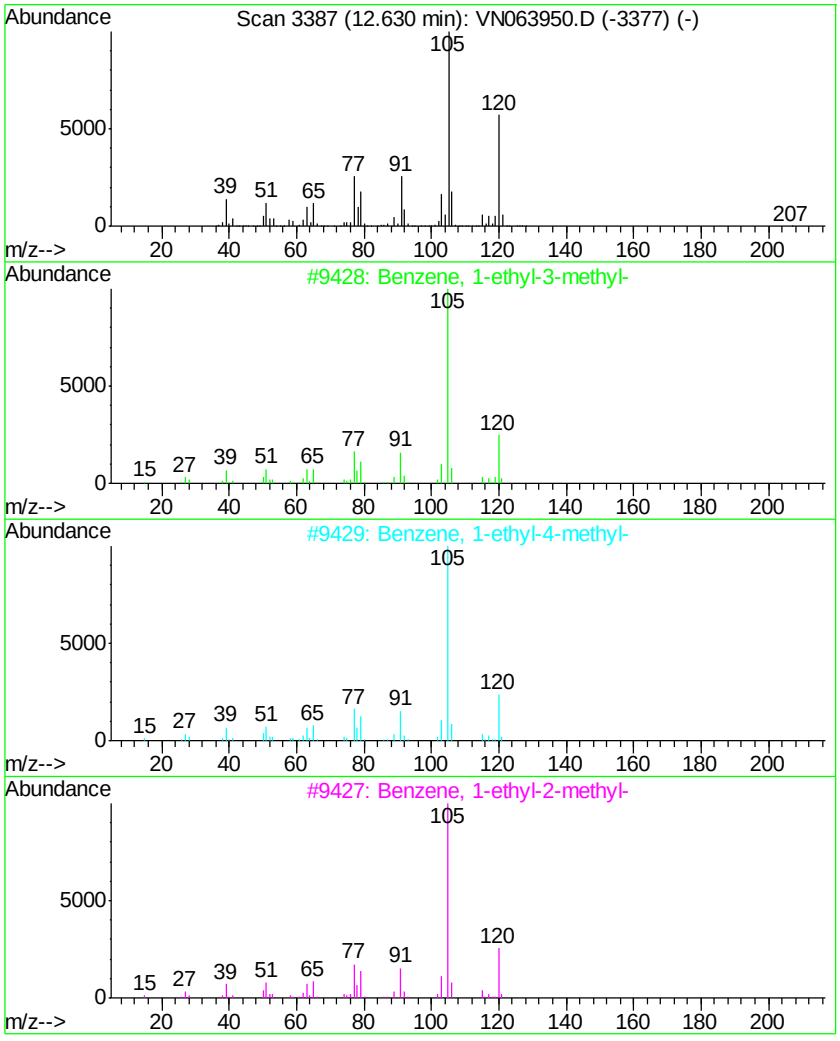
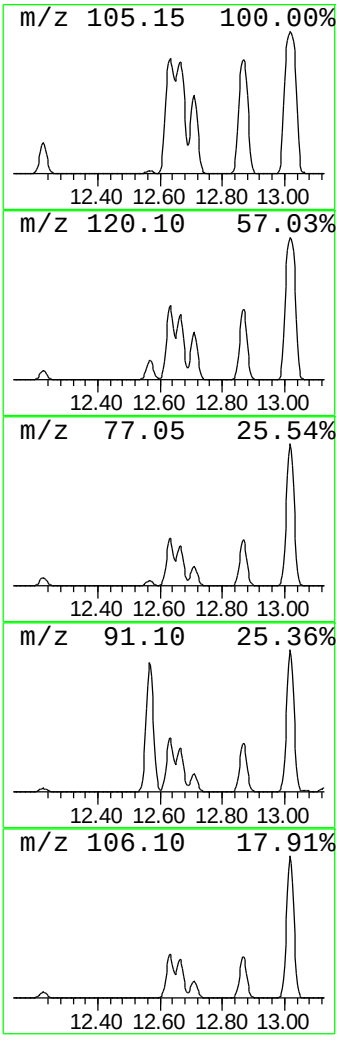
Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	40.63 ug/l	28453600	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86
5	Mesitylene	120	C9H12	000108-67-8	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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

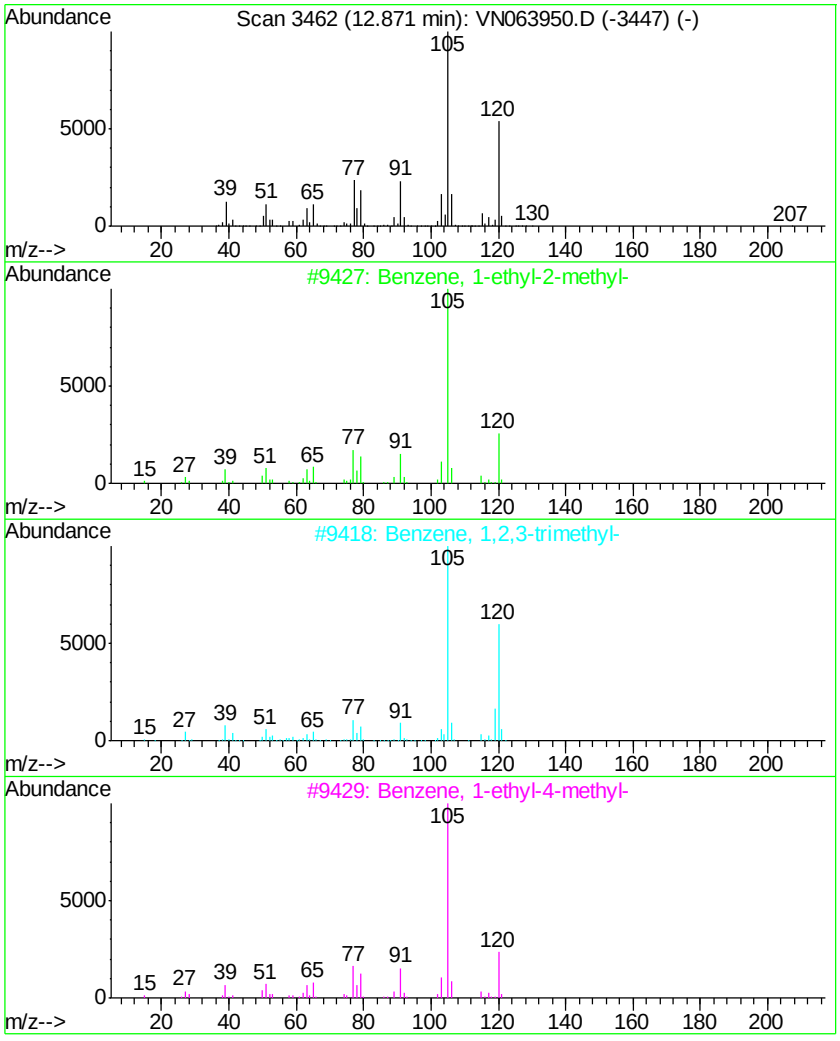
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

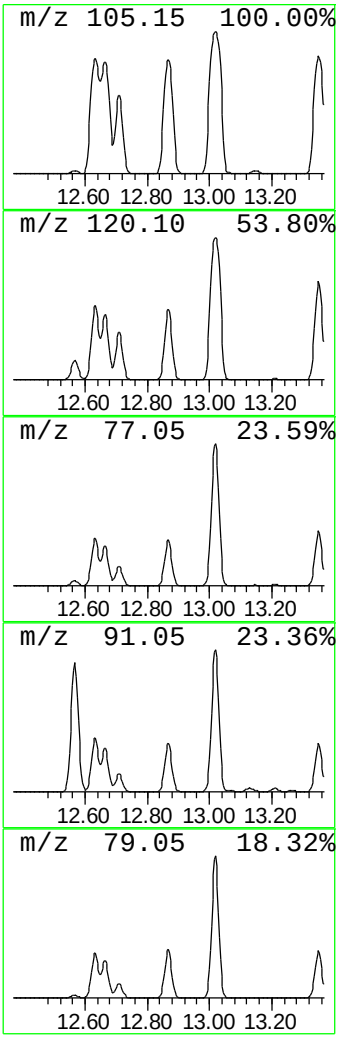
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	38.64 ug/l	27064800	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	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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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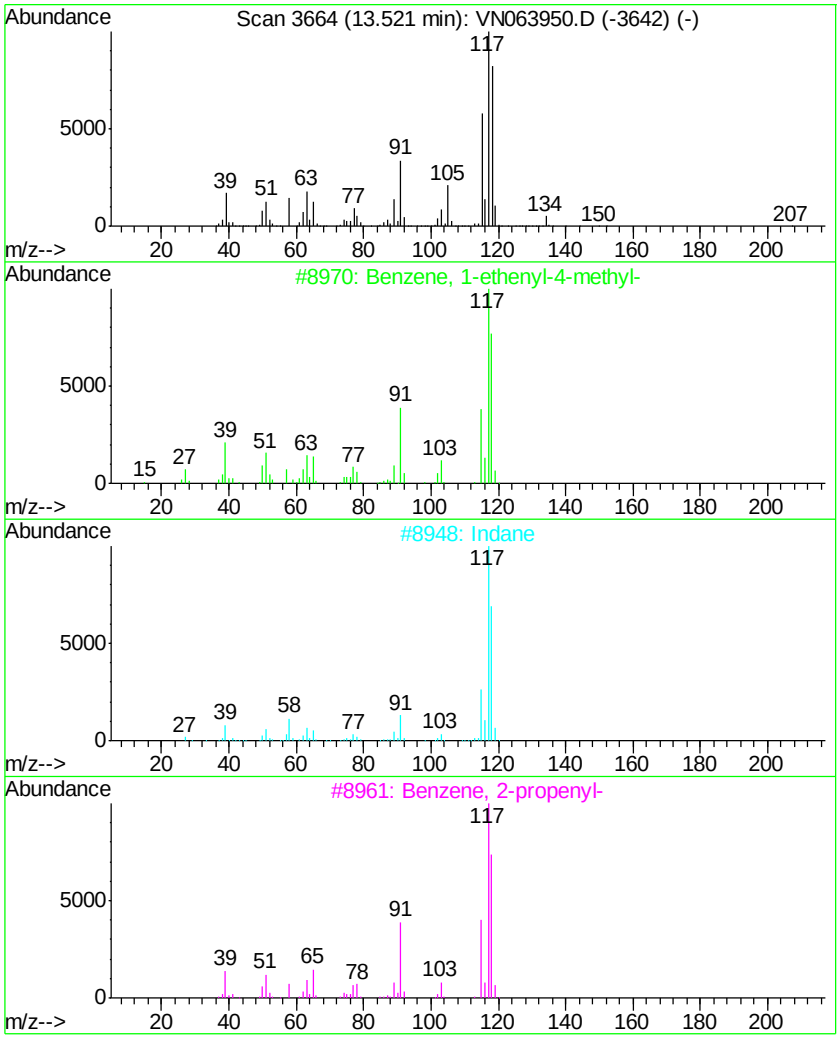
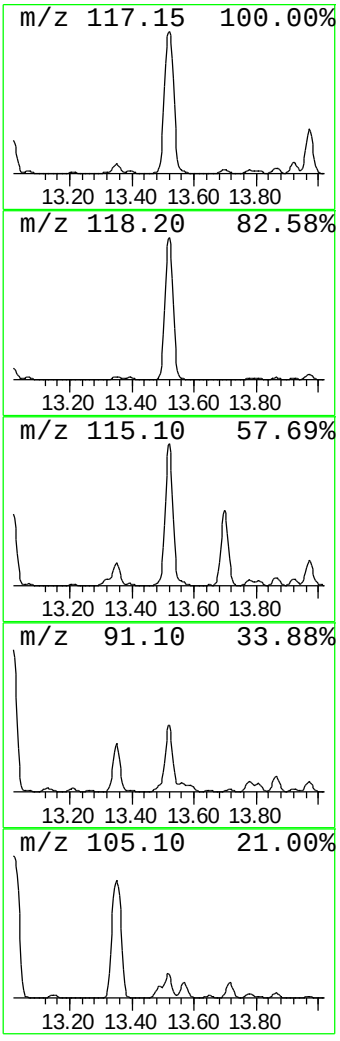
Peak Number 6 Benzene, 1-ethenyl-4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	53.59 ug/l	37535000	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	96
2	Indane	118	C9H10	000496-11-7	95
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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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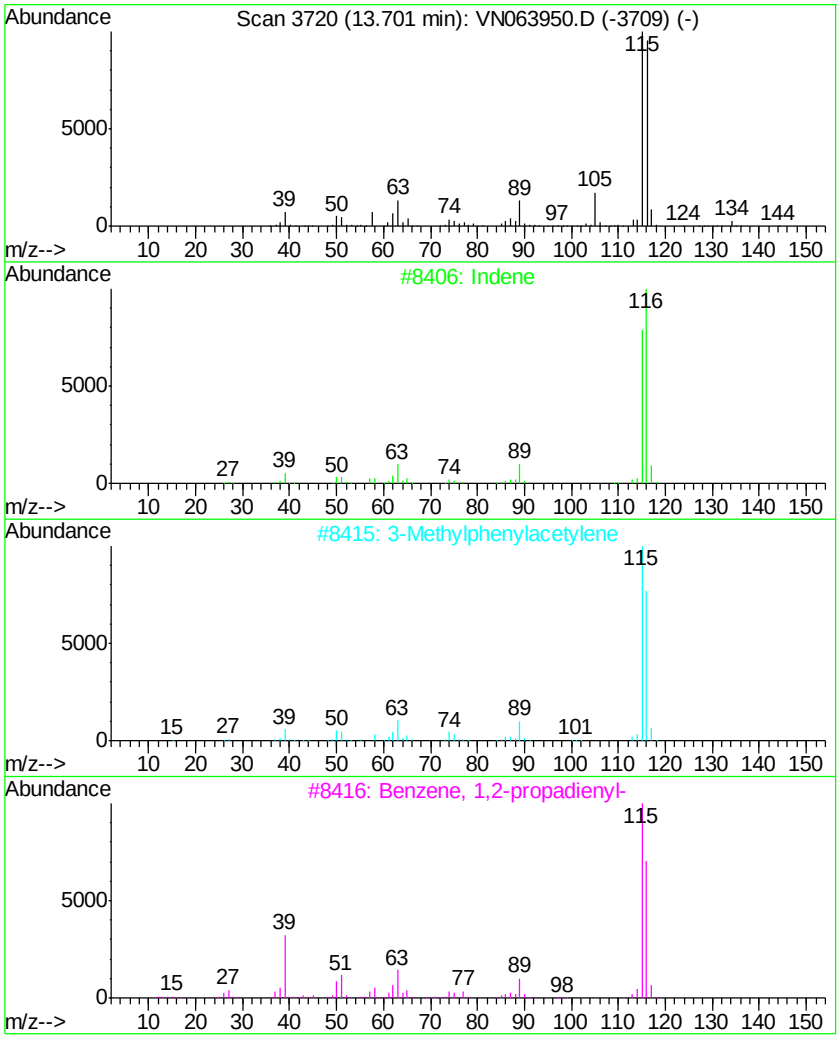
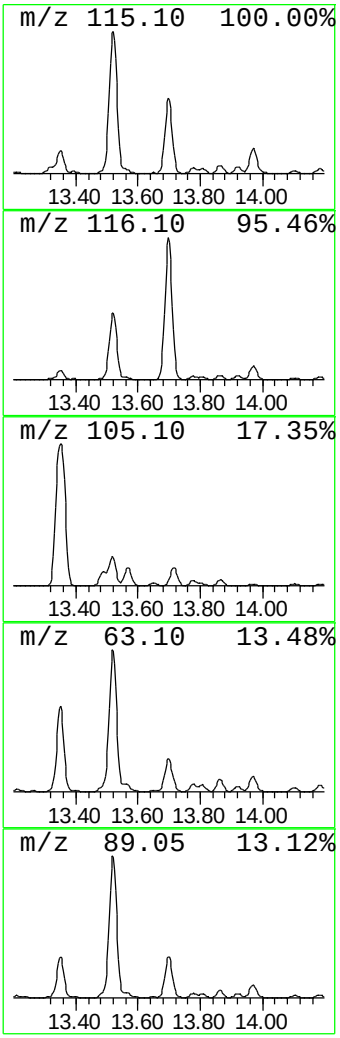
Peak Number 7 Indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	10.55 ug/l	7390170	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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

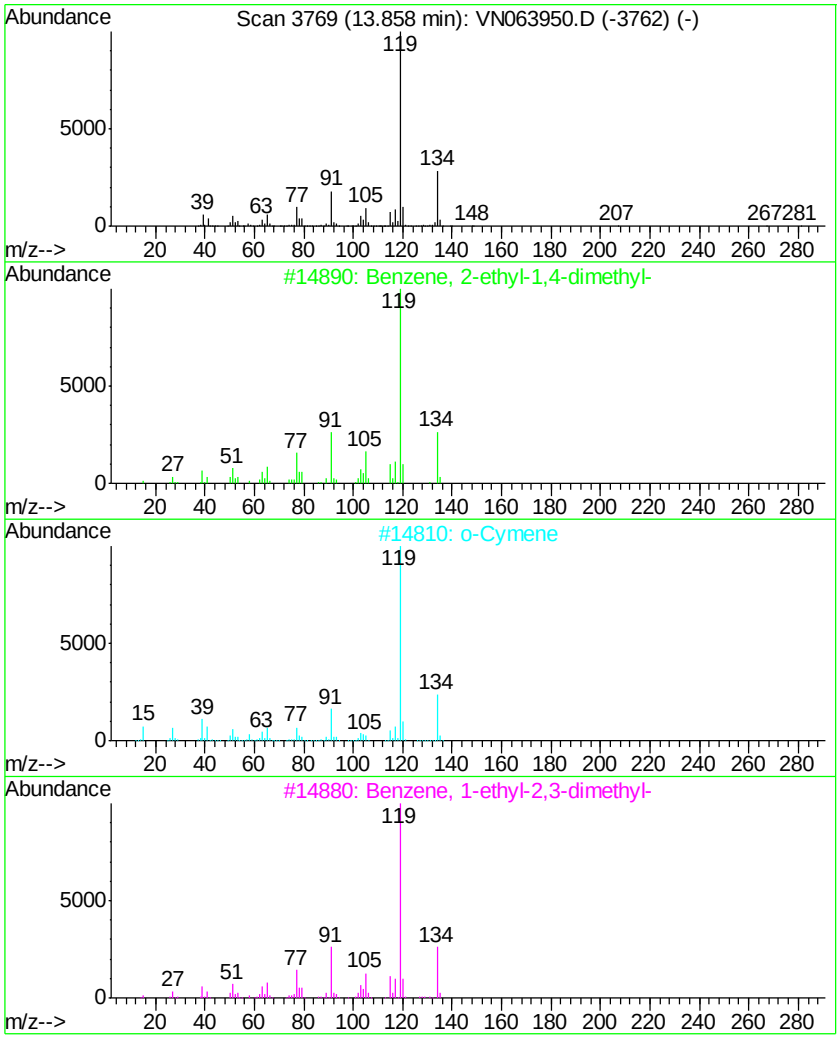
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

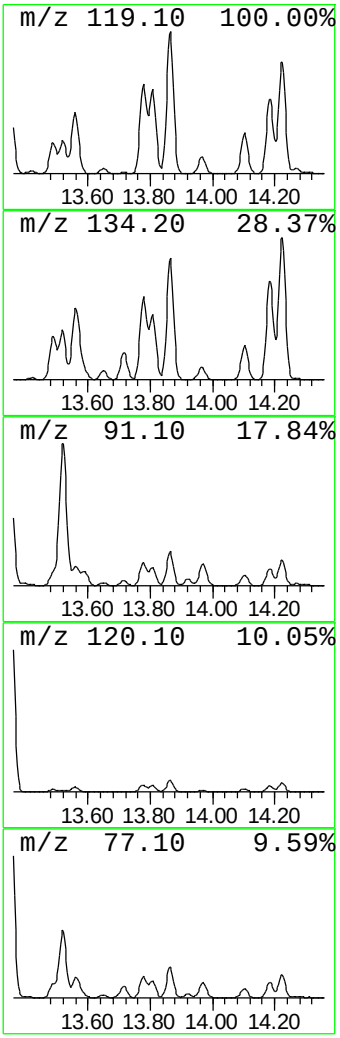
****

Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	10.11 ug/l	7078570	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	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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

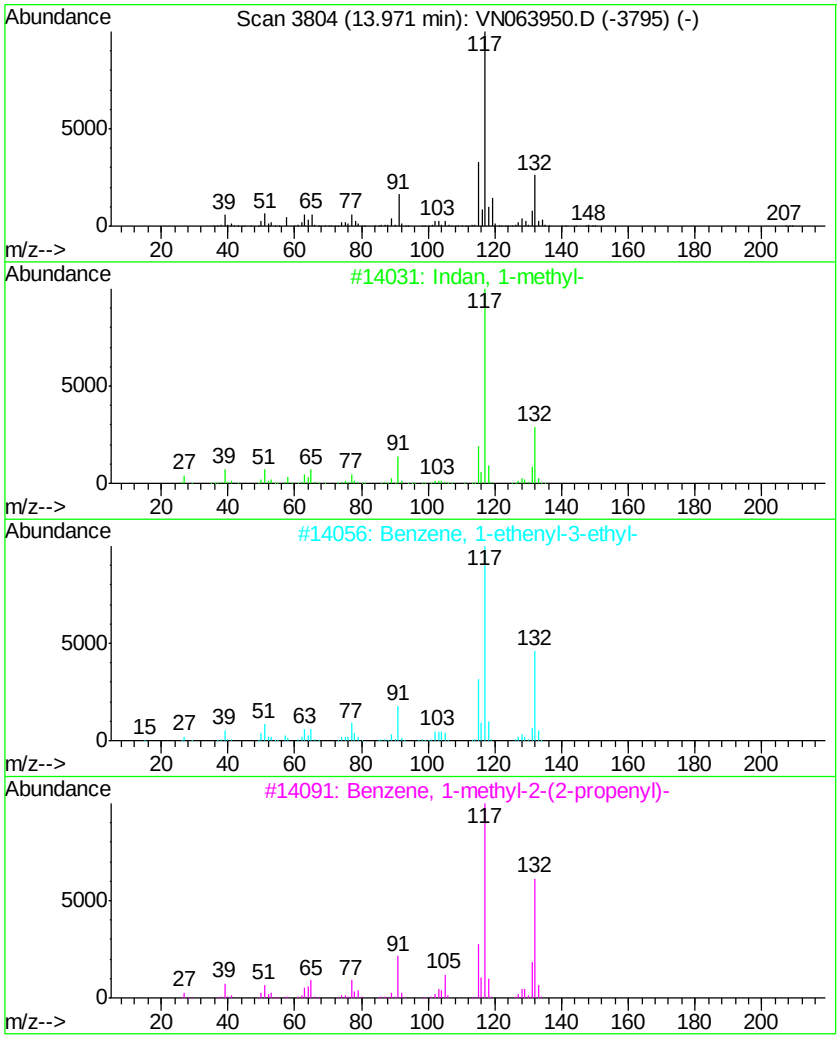
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

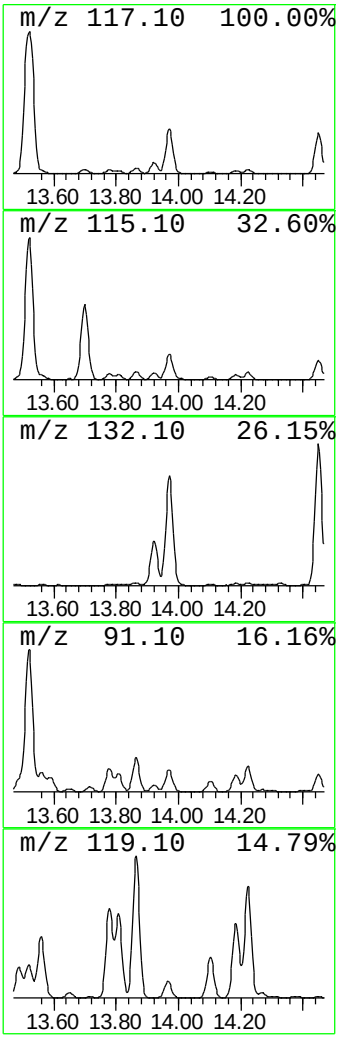
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	8.88 ug/l	6220820	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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

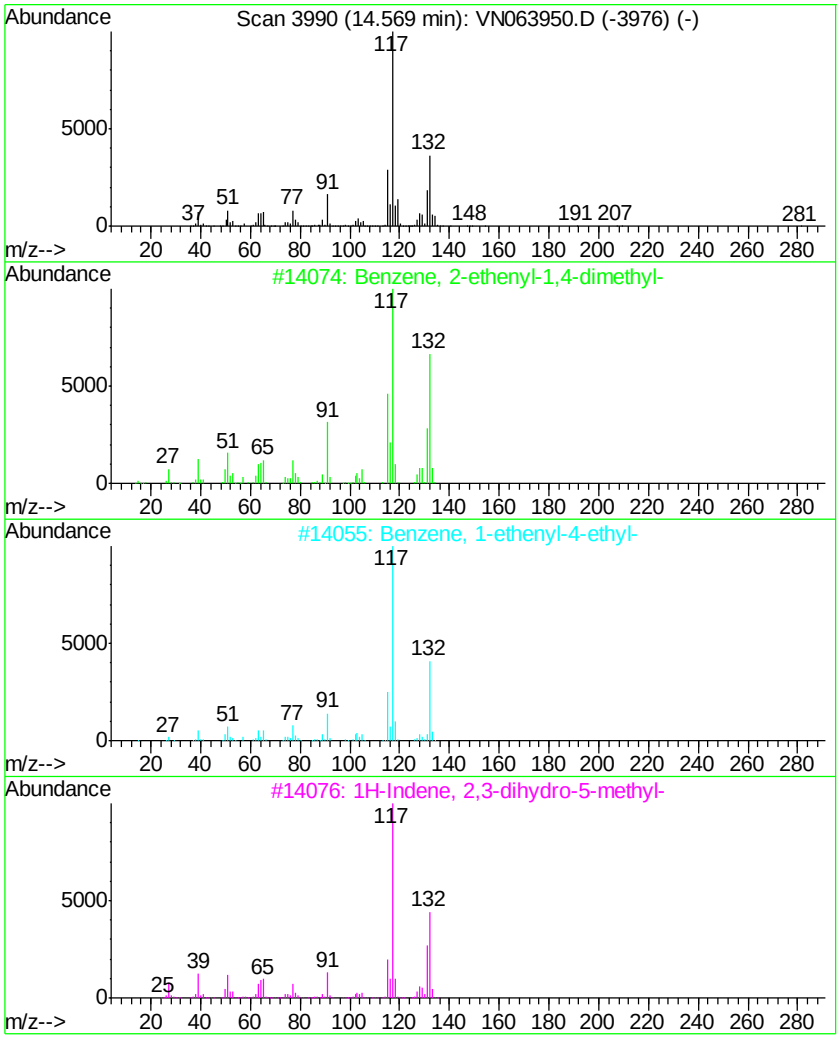
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

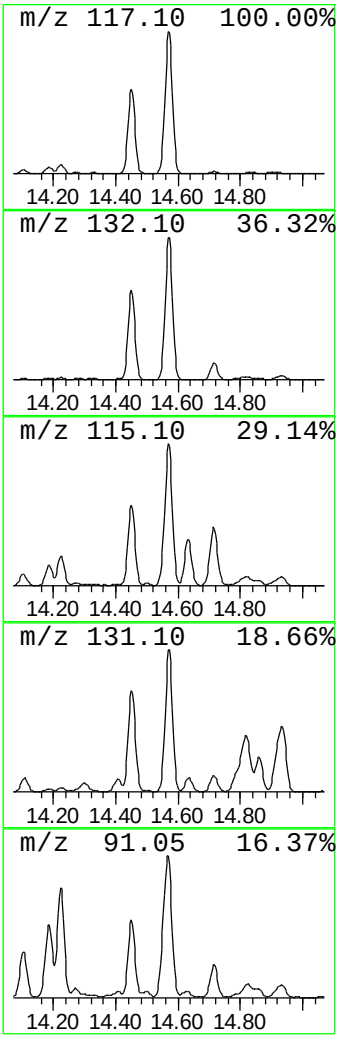
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	17.37 ug/l	12165400	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	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100720\
Data File : VN063950.D
Acq On : 7 Oct 2020 18:07
Operator : JC/MD
Sample : L4250-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-08

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
Cyclopentane, met...	6.58	51.1	ug/l	1793080	1	7.63	1755400	50.0
Di-sec-butyl ether	10.27	34.9	ug/l	1238290	3	11.38	1776120	50.0
Butane, 1-(1-meth...	10.35	33.6	ug/l	1194920	3	11.38	1776120	50.0
Benzene, 1-ethyl-...	12.63	40.6	ug/l	28453600	4	13.32	35017400	50.0
Benzene, 1-ethyl-...	12.87	38.6	ug/l	27064800	4	13.32	35017400	50.0
Benzene, 1-etheny...	13.52	53.6	ug/l	37535000	4	13.32	35017400	50.0
Indene	13.70	10.6	ug/l	7390170	4	13.32	35017400	50.0
Benzene, 2-ethyl-...	13.86	10.1	ug/l	7078570	4	13.32	35017400	50.0
Indan, 1-methyl-	13.97	8.9	ug/l	6220820	4	13.32	35017400	50.0
Benzene, 2-etheny...	14.57	17.4	ug/l	12165400	4	13.32	35017400	50.0