LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091120\
Data File : VN063314.D
Acq On : 11 Sep 2020 15:06
Operator : JC/MD
Sample : L3988-21
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

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\82N091020W.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	2.415	201	210	219	rBV3	26167	47407	1.37%	0.110%
2	2.779	312	323	332	rBV5	29010	59961	1.73%	0.139%
3	3.106	410	425	446	rVB	154344	331494	9.58%	0.771%
4	4.489	835	855	874	rBV4	33852	123853	3.58%	0.288%
5	4.592	875	887	905	rVB5	18674	60235	1.74%	0.140%
6	6.585	1490	1507	1525	rVB4	20748	61422	1.77%	0.143%
7	7.344	1725	1743	1766	rVB4	19930	56857	1.64%	0.132%
8	7.550	1791	1807	1818	rBV	286821	721352	20.85%	1.678%
9	7.627	1819	1831	1845	rVV	518177	1273650	36.81%	2.962%
10	7.708	1846	1856	1873	rVB3	86106	219523	6.34%	0.511%
11	7.843	1883	1898	1905	rBV5	31789	75651	2.19%	0.176%
12	7.894	1906	1914	1928	rVV4	34150	79363	2.29%	0.185%
13	7.987	1928	1943	1964	rVV2	336863	787262	22.75%	1.831%
14	8.119	1966	1984	1997	rVV5	99286	255340	7.38%	0.594%
15	8.196	1997	2008	2019	rVV2	78266	180872	5.23%	0.421%
16	8.267	2019	2030	2044	rVB4	80107	185190	5.35%	0.431%
17	8.550	2101	2118	2141	rBV	801775	1729563	49.98%	4.023%
18	9.048	2245	2273	2287	rBV4	172960	501769	14.50%	1.167%
19	9.238	2320	2332	2344	rBV2	39229	75927	2.19%	0.177%
20	9.331	2345	2361	2375	rVB6	13906	38134	1.10%	0.089%
21	9.482	2396	2408	2425	rVB6	21533	48042	1.39%	0.112%
22	9.814	2500	2511	2522	rBV5	37261	76775	2.22%	0.179%
23	10.061	2573	2588	2620	rBV	1485309	2957207	85.46%	6.878%
24	10.225	2620	2639	2662	rVB4	80661	215692	6.23%	0.502%
25	10.405	2681	2695	2710	rVB2	185655	361851	10.46%	0.842%
26	10.502	2710	2725	2739	rBV2	96413	196412	5.68%	0.457%
27	10.894	2829	2847	2848	rBV5	63261	102100	2.95%	0.237%
28	10.923	2849	2856	2865	rVV2	192190	344927	9.97%	0.802%
29	10.978	2865	2873	2883	rVV2	109456	200037	5.78%	0.465%
30	11.029	2883	2889	2898	rVV4	24376	40783	1.18%	0.095%
31	11.187	2928	2938	2954	rVB3	52685	96507	2.79%	0.224%
32	11.299	2958	2973	2984	rBV4	23105	45801	1.32%	0.107%
33	11.379	2984	2998	3015	rBV	1245640	2219134	64.13%	5.161%
34	11.486	3015	3031	3049	rBV	1956399	3460407	100.00%	8.048%

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

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

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Title : SW846 8260

35	11.592	3050	3064	3066	rBV5	40730	69899	2.02%	0.163%
36	11.627	3068	3075	3087	rVB8	88871	165828	4.79%	0.386%
37	11.788	3115	3125	3142	rVB2	63841	116487	3.37%	0.271%
38	11.897	3145	3159	3165	rBV2	64471	139165	4.02%	0.324%
39	12.061	3199	3210	3212	rBV4	32746	44673	1.29%	0.104%
40	12.093	3212	3220	3229	rVB3	117123	194533	5.62%	0.452%
41	12.145	3229	3236	3239	rBV	29975	36831	1.06%	0.086%
42	12.225	3250	3261	3275	rVB	788719	1279856	36.99%	2.977%
43	12.376	3296	3308	3322	rBV	984419	1682573	48.62%	3.913%
44	12.450	3322	3331	3342	rVB3	51936	93882	2.71%	0.218%
45	12.566	3343	3367	3381	rBV	807167	1397700	40.39%	3.251%
46	12.707	3402	3411	3422	rVB	242557	405501	11.72%	0.943%
47	12.939	3472	3483	3486	rBV3	40496	65324	1.89%	0.152%
48	12.968	3487	3492	3497	rVV2	61514	94765	2.74%	0.220%
49	13.016	3497	3507	3524	rVB	1705473	2705101	78.17%	6.291%
50	13.148	3533	3548	3574	rVB3	192995	453662	13.11%	1.055%
51	13.318	3589	3601	3622	rVV	1178809	2033477	58.76%	4.729%
52	13.418	3623	3632	3644	rVV	93796	164948	4.77%	0.384%
53	13.489	3644	3654	3657	rVV	257516	381337	11.02%	0.887%
54	13.518	3657	3663	3673	rVV	548608	934379	27.00%	2.173%
55	13.569	3673	3679	3692	rVV2	117724	308322	8.91%	0.717%
56	13.646	3692	3703	3714	rVB6	169888	352341	10.18%	0.819%
57	13.775	3732	3743	3750	rBV2	69671	125526	3.63%	0.292%
58	13.865	3761	3771	3780	rBV	617870	934206	27.00%	2.173%
59	13.923	3780	3789	3795	rVV	175178	286013	8.27%	0.665%
60	13.968	3795	3803	3816	rVB2	486574	827148	23.90%	1.924%
61	14.109	3835	3847	3854	rBV	82787	138654	4.01%	0.322%
62	14.186	3854	3871	3879	rVV	473464	840153	24.28%	1.954%
63	14.222	3879	3882	3890	rVB	108075	131694	3.81%	0.306%
64	14.270	3891	3897	3903	rBV3	40511	48007	1.39%	0.112%
65	14.341	3912	3919	3925	rBV	47930	62910	1.82%	0.146%
66	14.395	3927	3936	3946	rVB4	56446	115895	3.35%	0.270%
67	14.453	3946	3954	3963	rBV3	92299	145427	4.20%	0.338%
68	14.502	3963	3969	3975	rVB4	37886	46545	1.35%	0.108%
69	14.559	3975	3987	4001	rBV4	1096235	2084600	60.24%	4.848%
70	14.627	4001	4008	4018	rVB3	66645	109981	3.18%	0.256%
71	14.717	4020	4036	4047	rBV	572044	942835	27.25%	2.193%

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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
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Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Title : SW846 8260

72	14.826	4062	4070	4076	rBV4	101429	164613	4.76%	0.383%
73	14.858	4076	4080	4090	rVV2	95569	148259	4.28%	0.345%
74	14.929	4093	4102	4115	rVB3	204739	422298	12.20%	0.982%
75	15.019	4123	4130	4136	rBV3	34089	51384	1.48%	0.120%
76	15.064	4136	4144	4146	rBV	59246	70747	2.04%	0.165%
77	15.106	4146	4157	4168	rVB	1101712	1870567	54.06%	4.350%
78	15.161	4169	4174	4181	rVB2	50426	61325	1.77%	0.143%
79	15.215	4182	4191	4204	rBV5	69617	190019	5.49%	0.442%
80	15.386	4233	4244	4253	rBV4	33459	67051	1.94%	0.156%
81	15.453	4258	4265	4275	rVV5	32806	58240	1.68%	0.135%
82	15.543	4278	4293	4298	rVV5	76504	167576	4.84%	0.390%
83	15.582	4300	4305	4319	rVB2	116060	193075	5.58%	0.449%
84	15.665	4323	4331	4341	rVB4	48039	87490	2.53%	0.203%
85	15.733	4344	4352	4361	rBV4	25280	51178	1.48%	0.119%
86	15.878	4383	4397	4412	rBV2	169899	346929	10.03%	0.807%
87	16.064	4440	4455	4461	rBV6	33956	74427	2.15%	0.173%
88	16.125	4462	4474	4498	rVB	400672	899742	26.00%	2.093%
89	16.312	4518	4532	4547	rBV	407759	881434	25.47%	2.050%

Sum of corrected areas: 42997032

LSC Report - Integrated Chromatogram

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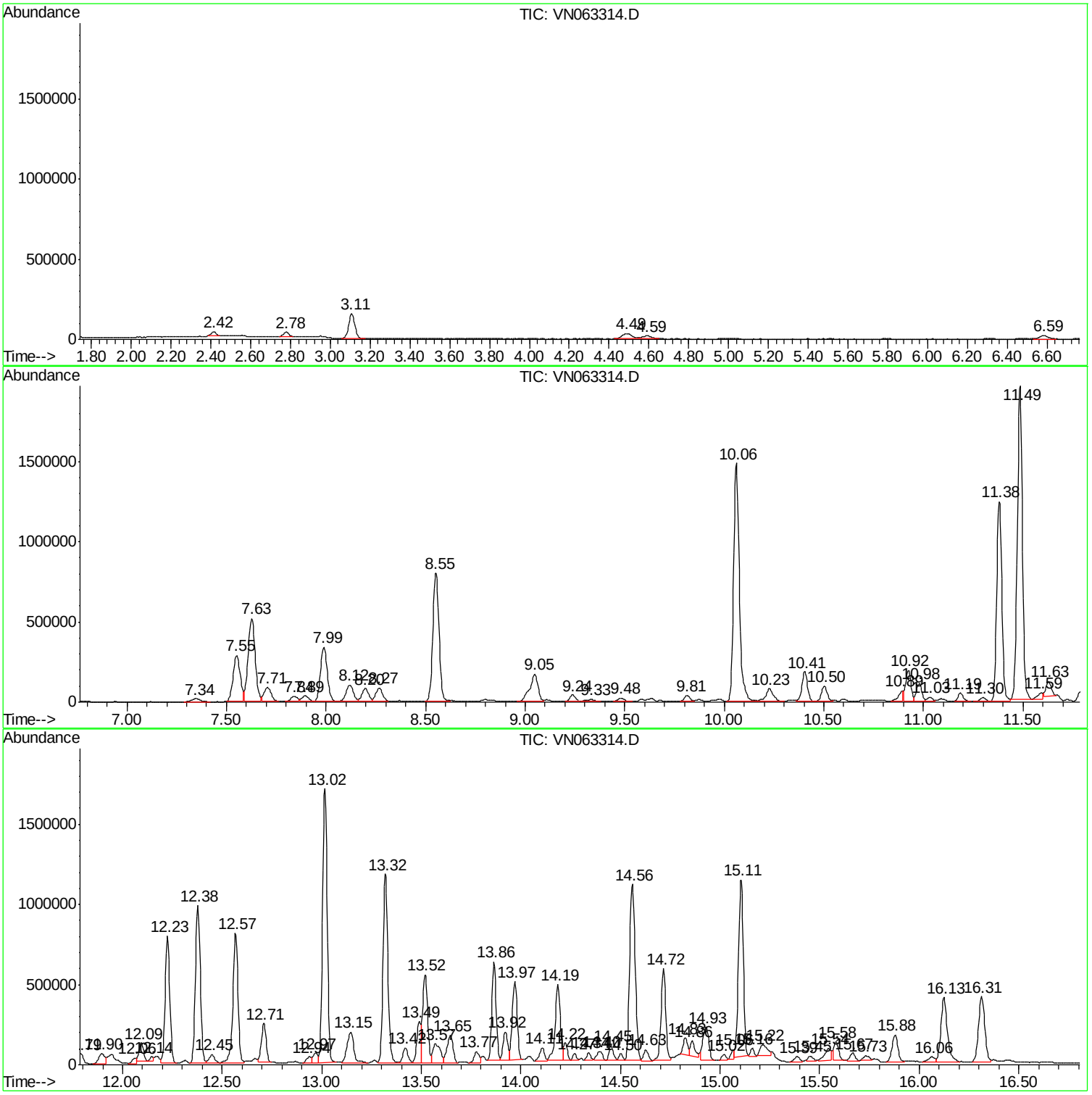
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.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\VN091120\
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Quant Title : SW846 8260

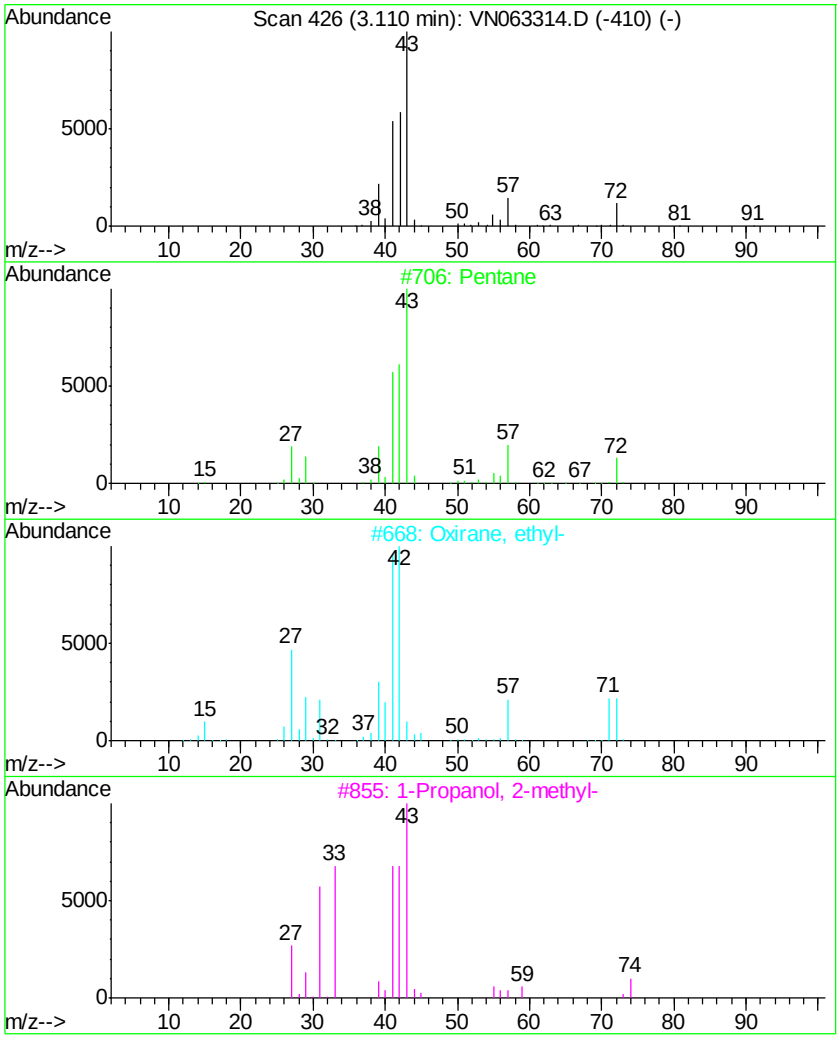
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

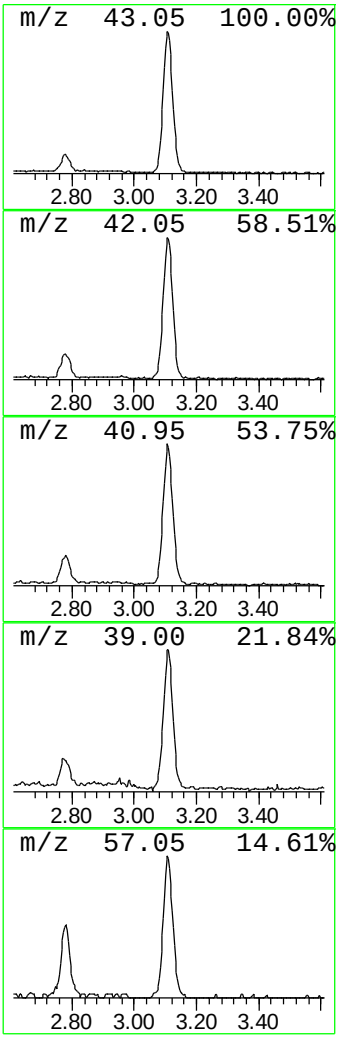
****

Peak Number 1 Pentane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	13.01 ug/l	331494	Pentafluorobenzene	7.63

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	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	39
4	Butane, 2-methyl-	72	C5H12	000078-78-4	10
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9





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Operator : JC/MD
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ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260

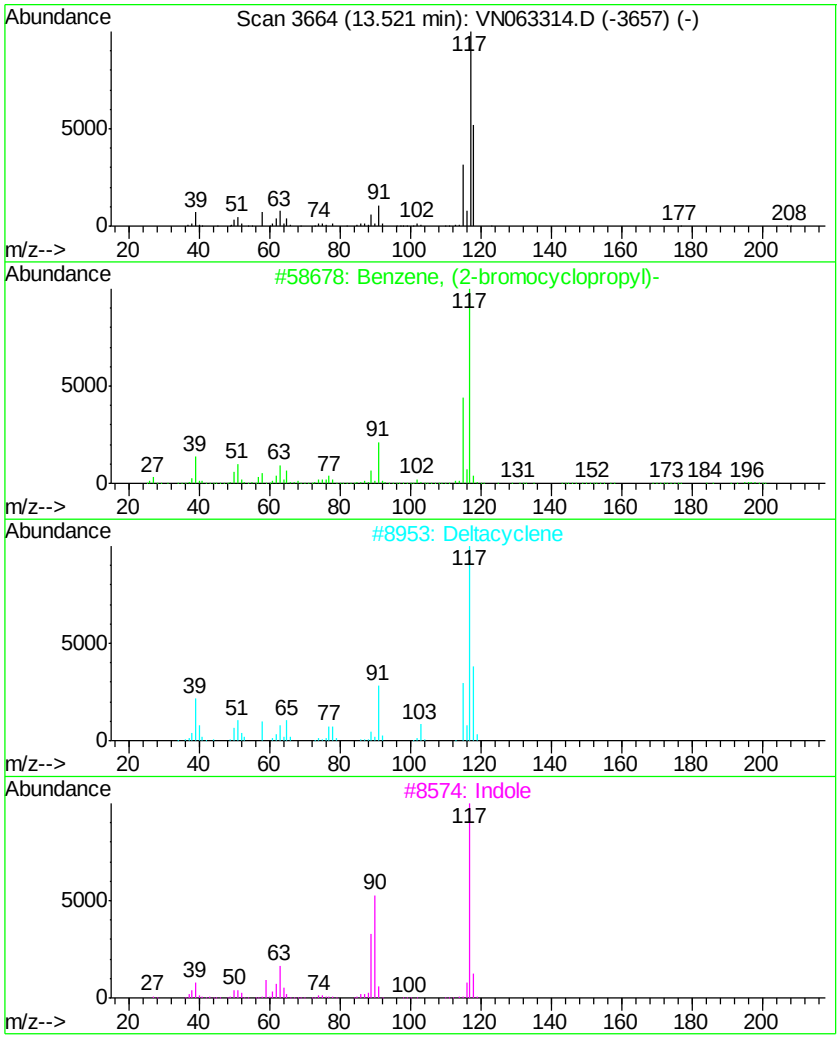
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

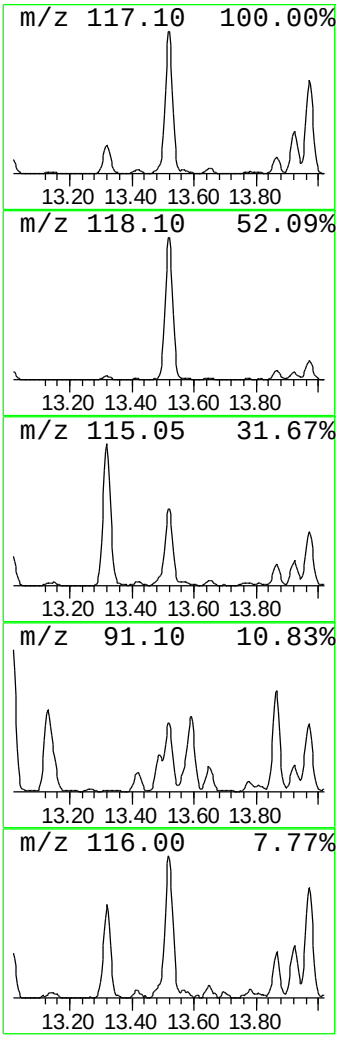
****

Peak Number 2 Benzene, (2-bromocyclopropyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	22.97 ug/l	934379	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	59
2	Deltacyclene	118	C9H10	007785-10-6	53
3	Indole	117	C8H7N	000120-72-9	47
4	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	42
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	40





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Quant Title : SW846 8260

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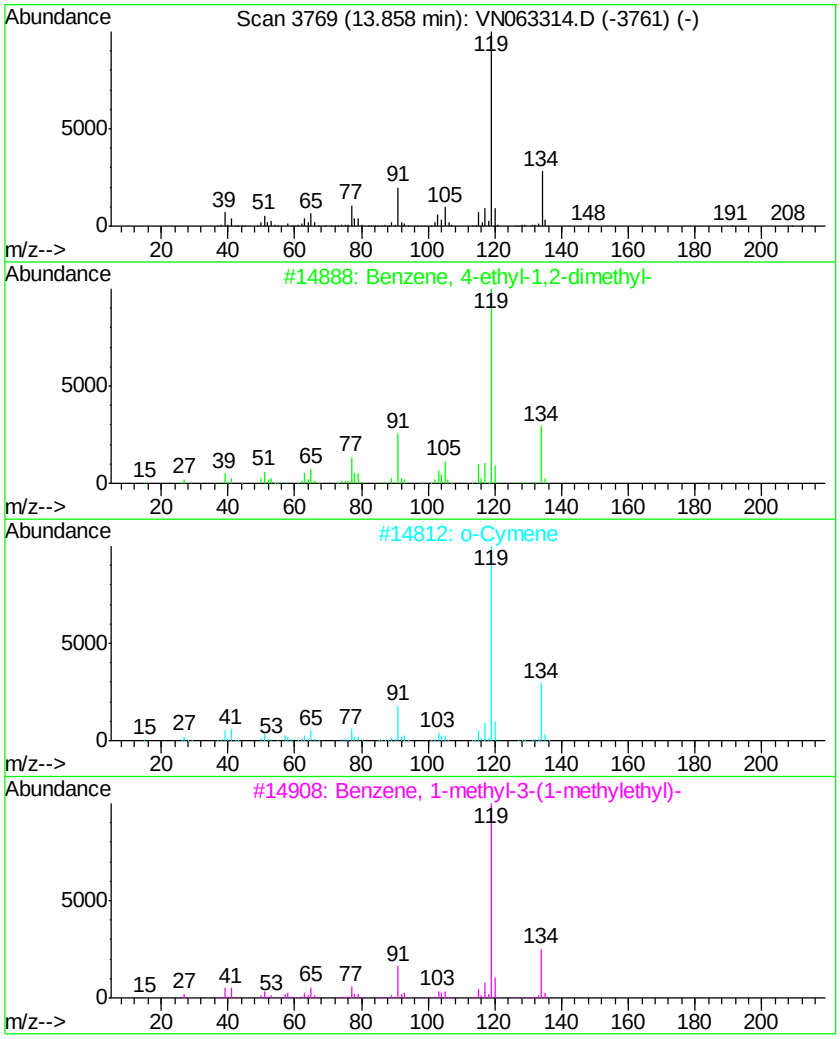
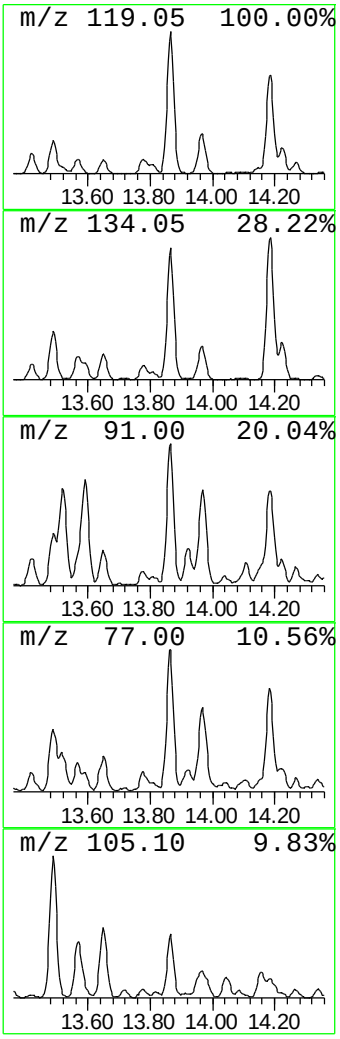
Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	22.97 ug/l	934206	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	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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TIC Library : C:\DATABASE\NIST11.L
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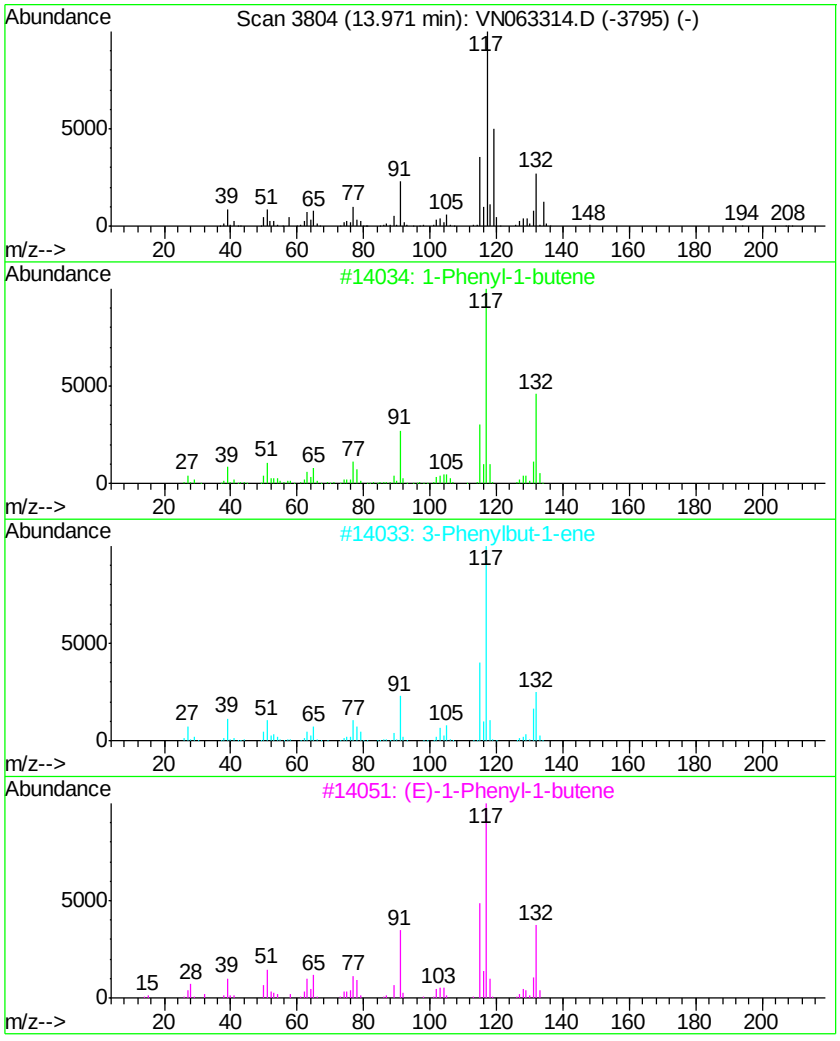
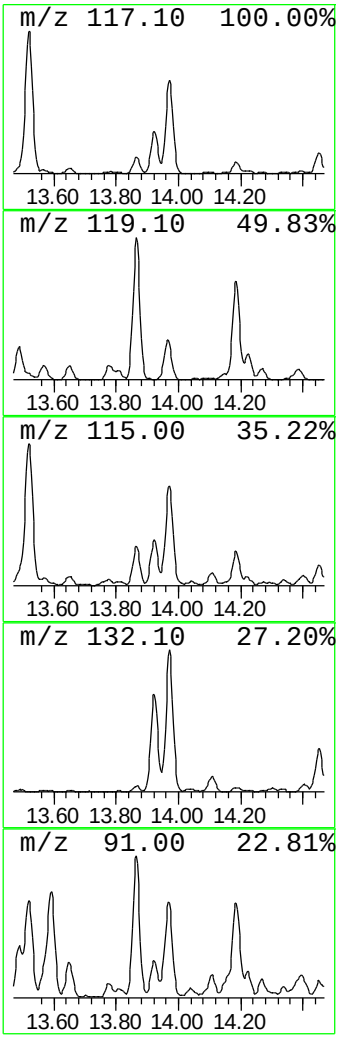
****

Peak Number 4 1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	20.34 ug/l	827148	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	86
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





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Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260

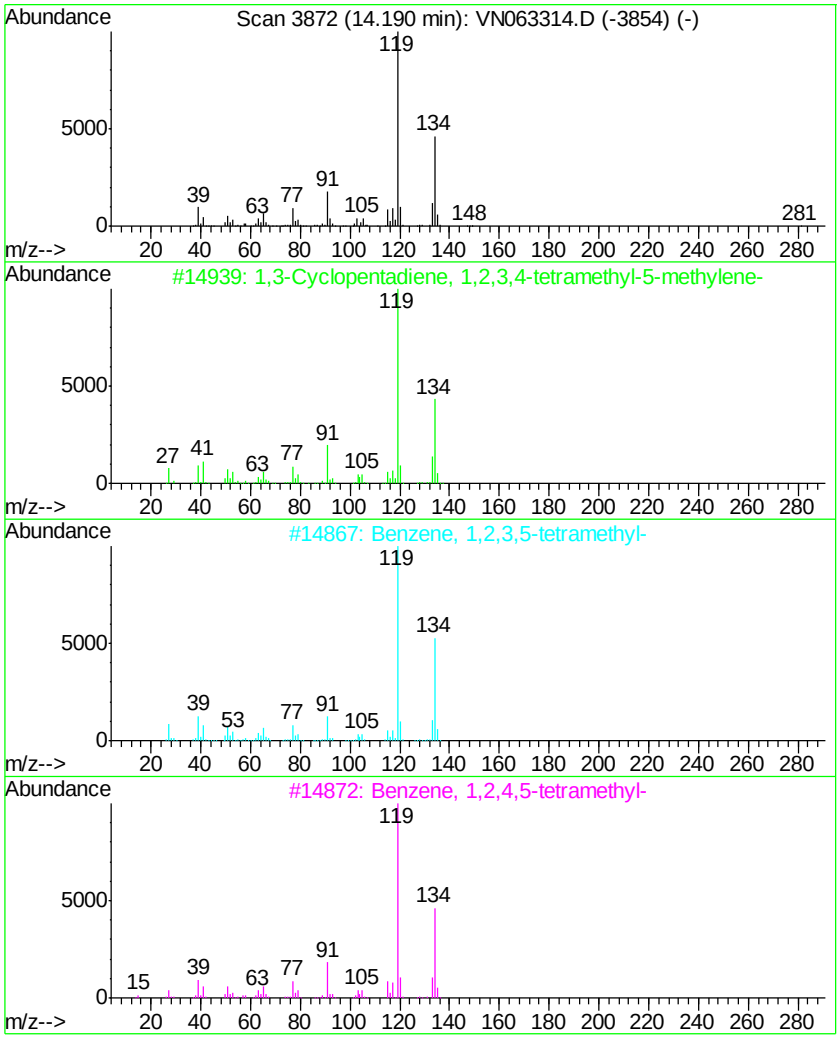
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

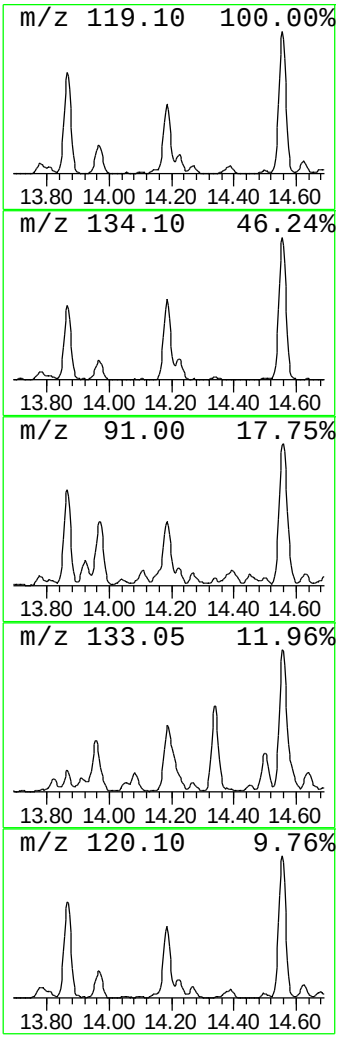
****

Peak Number 5 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	20.66 ug/l	840153	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	o-Cymene	134	C10H14	000527-84-4	94





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ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260

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

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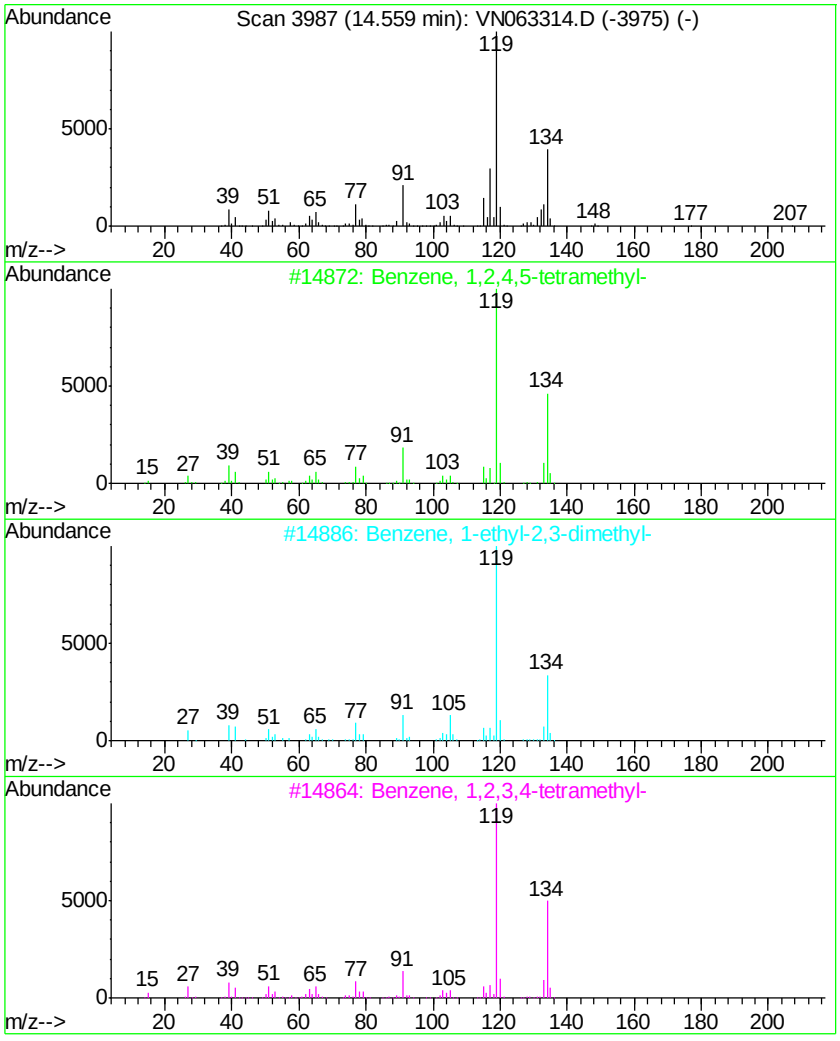
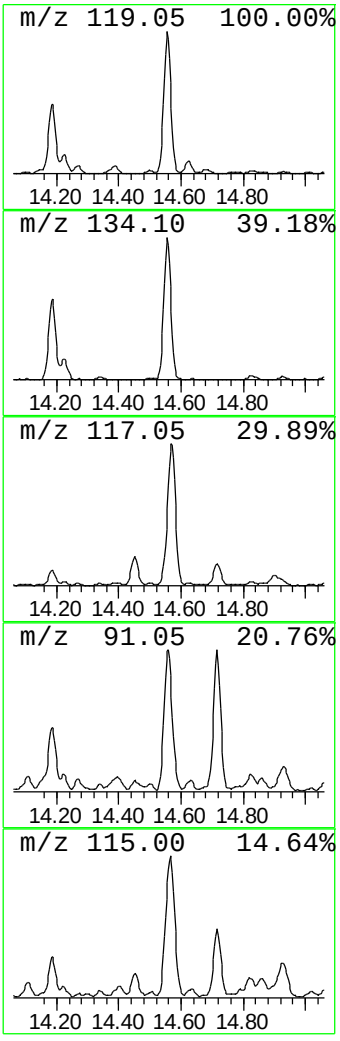
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	51.26 ug/l	2084600	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	93
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091120\
Data File : VN063314.D
Acq On : 11 Sep 2020 15:06
Operator : JC/MD
Sample : L3988-21
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260

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

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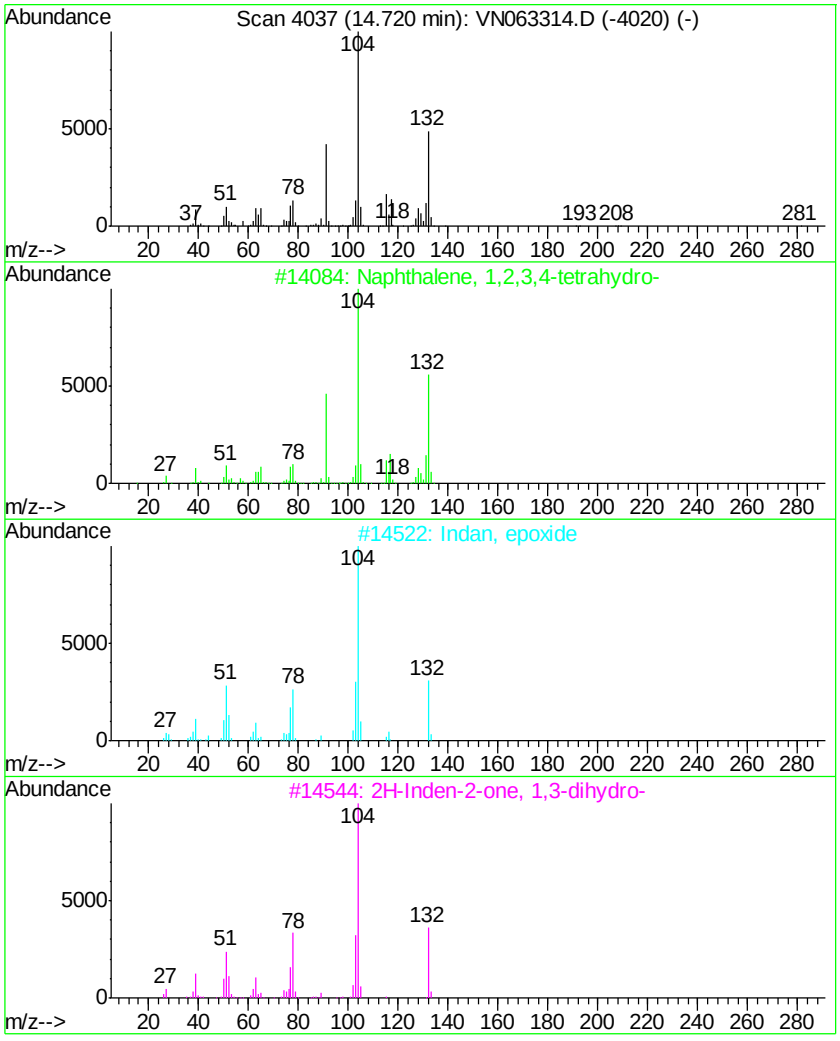
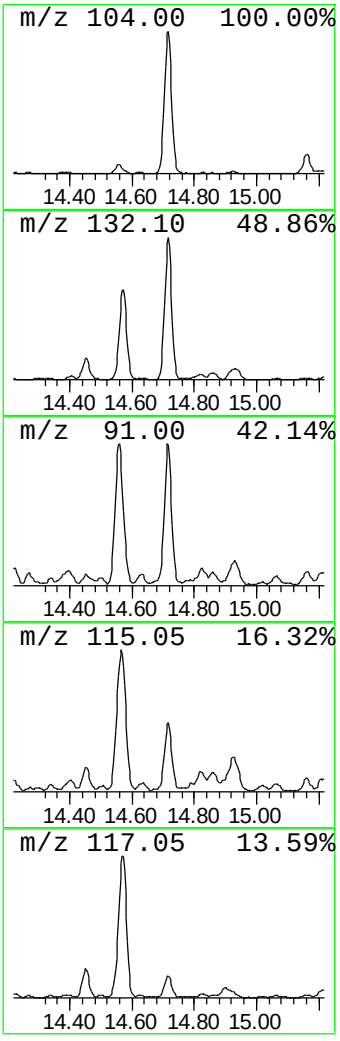
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	23.18 ug/l	942835	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Indan, epoxide	132	C9H8O	000768-22-9	62
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	53
4	Benzene, cyclobutyl-	132	C10H12	004392-30-7	45
5	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	43





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Data File : VN063314.D
Acq On : 11 Sep 2020 15:06
Operator : JC/MD
Sample : L3988-21
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260

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

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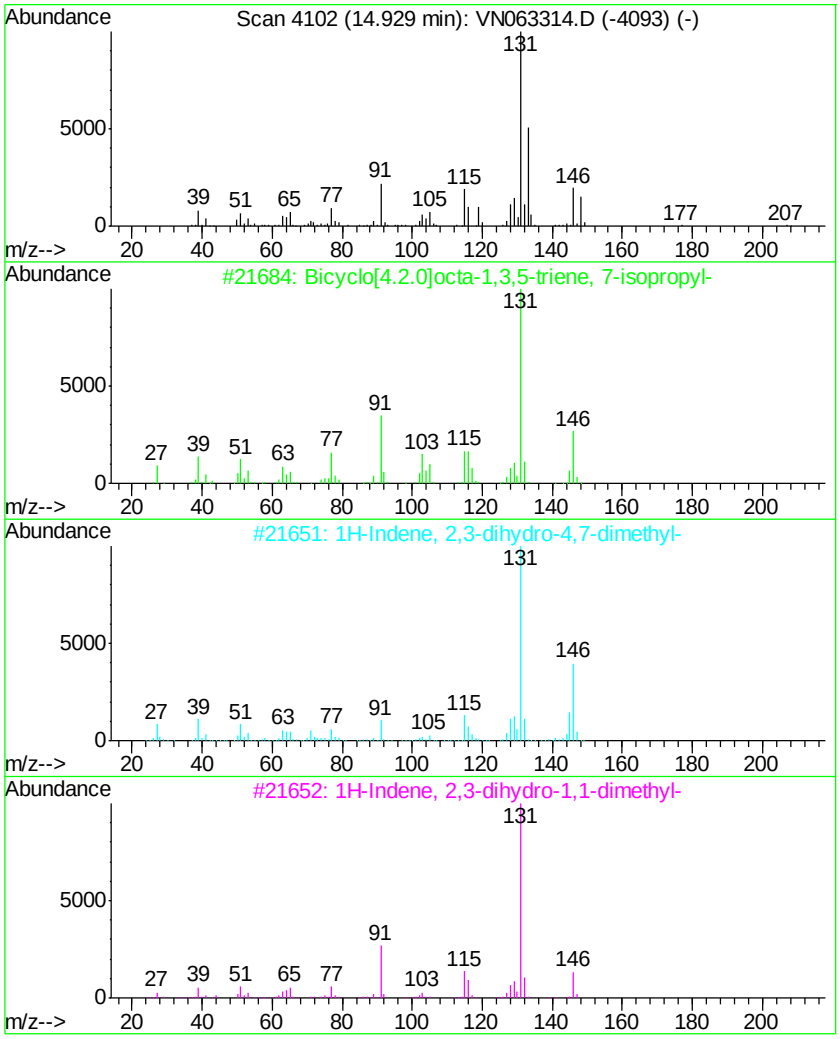
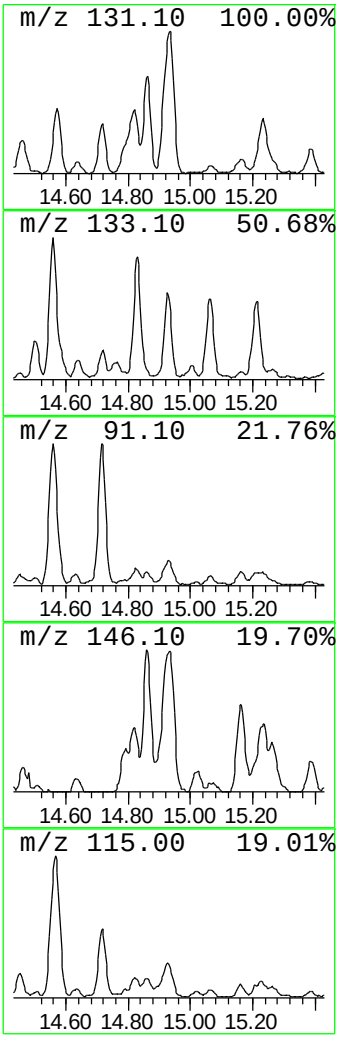
Peak Number 8 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	10.38 ug/l	422298	1,4-Dichlorobenzene-d4	13.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	64
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	58
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
Data File : VN063314.D
Acq On : 11 Sep 2020 15:06
Operator : JC/MD
Sample : L3988-21
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260

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

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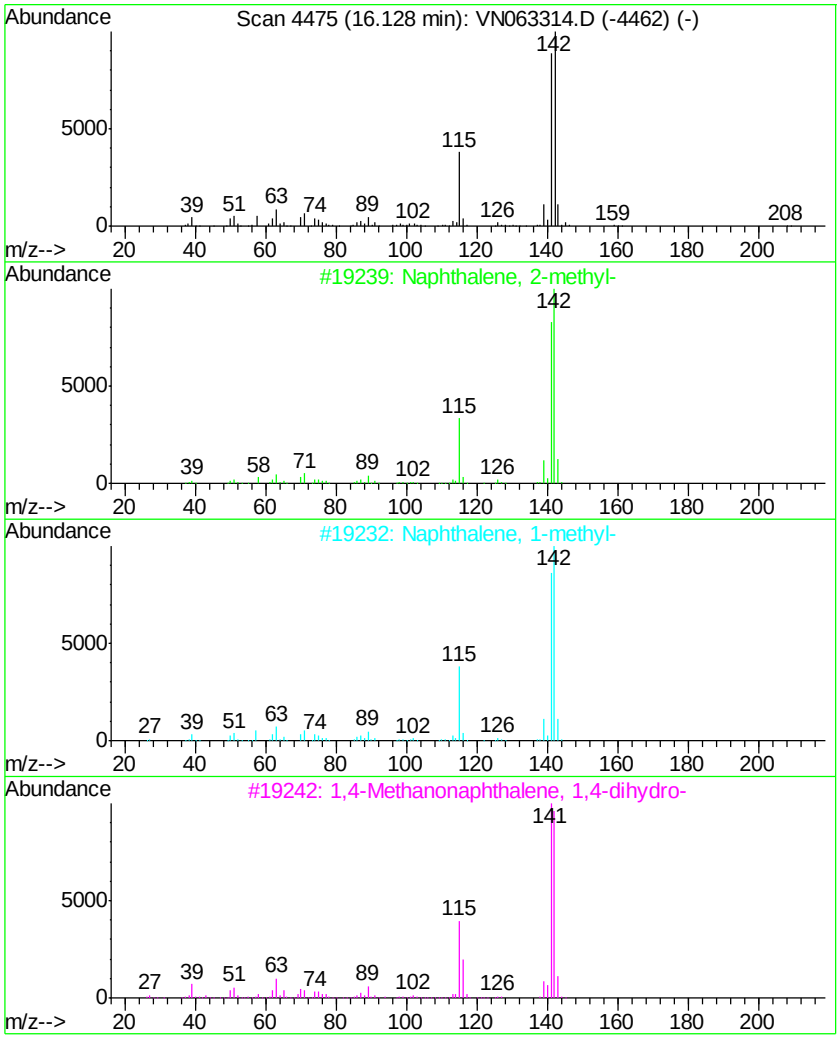
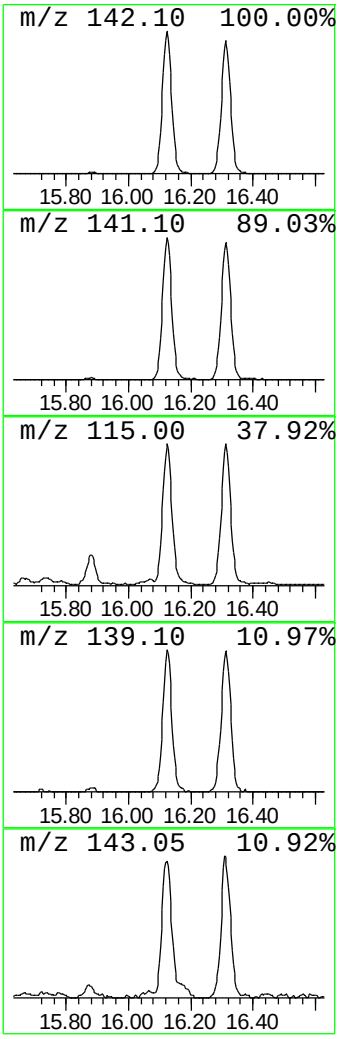
Peak Number 9 1,4-Methanonaphthalene, 1,4... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	22.12 ug/l	899742	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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





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Data File : VN063314.D
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Sample : L3988-21
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260

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

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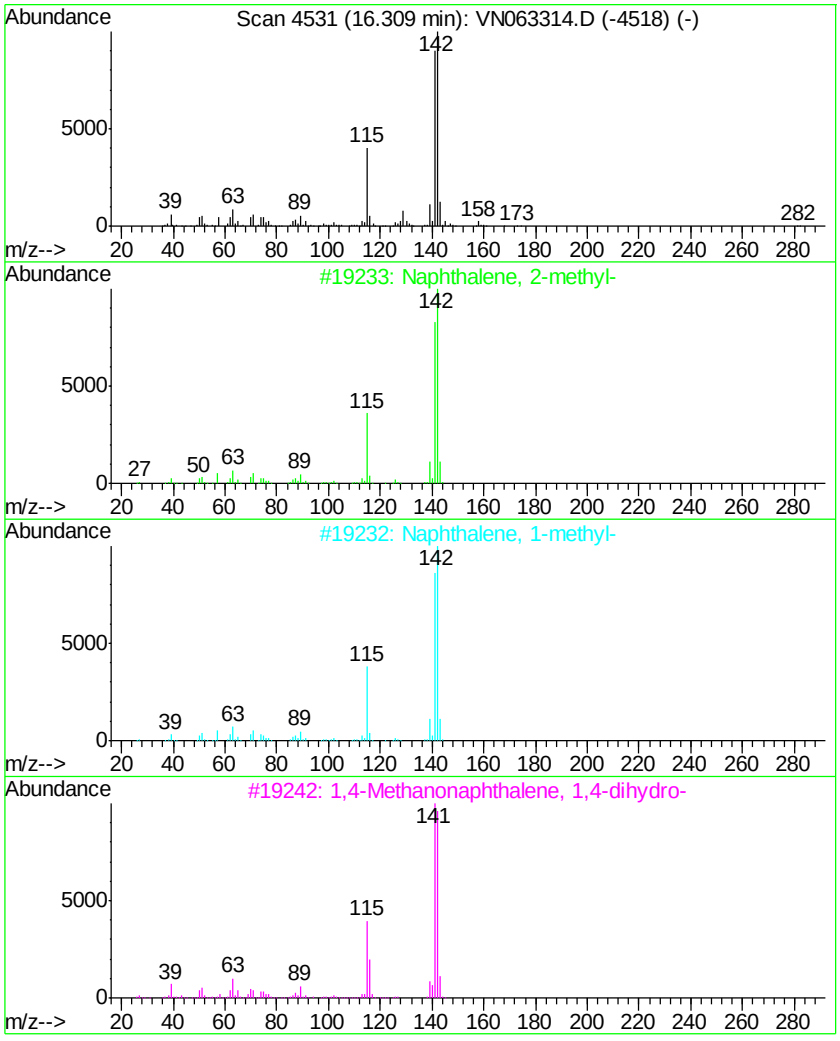
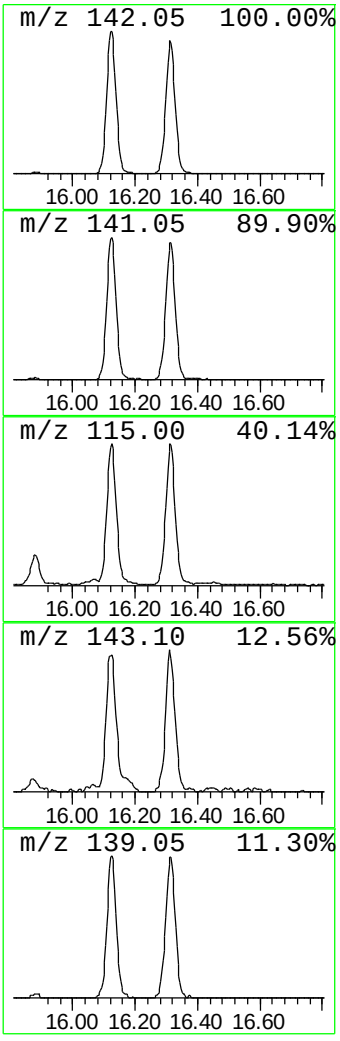
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	21.67 ug/l	881434	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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091120\
Data File : VN063314.D
Acq On : 11 Sep 2020 15:06
Operator : JC/MD
Sample : L3988-21
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : FC-MW03SR1-20200910

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.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
Pentane	3.11	13.0	ug/l	331494	1	7.63	1273650	50.0
Benzene, (2-bromo...	13.52	23.0	ug/l	934379	4	13.32	2033480	50.0
Benzene, 4-ethyl-...	13.86	23.0	ug/l	934206	4	13.32	2033480	50.0
1-Phenyl-1-butene	13.97	20.3	ug/l	827148	4	13.32	2033480	50.0
1,3-Cyclopentadie...	14.19	20.7	ug/l	840153	4	13.32	2033480	50.0
Benzene, 1,2,4,5-...	14.56	51.3	ug/l	2084600	4	13.32	2033480	50.0
Naphthalene, 1,2,...	14.72	23.2	ug/l	942835	4	13.32	2033480	50.0
Bicyclo[4.2.0]oct...	14.93	10.4	ug/l	422298	4	13.32	2033480	50.0
1,4-Methanonaphth...	16.13	22.1	ug/l	899742	4	13.32	2033480	50.0
Naphthalene, 1-me...	16.31	21.7	ug/l	881434	4	13.32	2033480	50.0