LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
Data File : BN004704.D
Acq On : 09 Mar 2019 09:41
Operator : JU/SJ
Sample : K1762-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0959

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.017	3	5	15	rVB	42602	60240	1.29%	0.185%
2	3.193	31	35	44	rBV	112224	177855	3.82%	0.545%
3	3.328	53	58	67	rVV	71603	134289	2.89%	0.412%
4	3.399	67	70	79	rVB	28553	39367	0.85%	0.121%
5	3.487	81	85	94	rVV	28718	41815	0.90%	0.128%
6	3.758	127	131	138	rVB	38335	58363	1.25%	0.179%
7	3.875	138	151	163	rVB3	21915	75334	1.62%	0.231%
8	4.105	185	190	199	rVB2	89389	132483	2.85%	0.406%
9	4.446	244	248	254	rVV	74169	110851	2.38%	0.340%
10	4.740	291	298	306	rBV	1286936	2029531	43.63%	6.220%
11	4.940	327	332	335	rBV	82042	122044	2.62%	0.374%
12	4.975	335	338	345	rVB	158166	224309	4.82%	0.687%
13	5.111	355	361	367	rBV2	49466	99526	2.14%	0.305%
14	5.169	367	371	374	rBV	63154	78448	1.69%	0.240%
15	5.522	426	431	438	rBV	233694	343373	7.38%	1.052%
16	5.799	469	478	490	rVB5	34344	86804	1.87%	0.266%
17	5.934	495	501	506	rBV	154136	247674	5.32%	0.759%
18	6.010	506	514	519	rVB	2509343	4651969	100.00%	14.257%
19	6.134	531	535	541	rVB	35312	47444	1.02%	0.145%
20	6.287	552	561	567	rVB	273845	479510	10.31%	1.470%
21	6.428	579	585	589	rBV	147577	231827	4.98%	0.711%
22	6.534	597	603	612	rBV	33820	56528	1.22%	0.173%
23	6.622	612	618	625	rVB	25874	41565	0.89%	0.127%
24	6.763	627	642	645	rBV4	38881	108371	2.33%	0.332%
25	6.875	657	661	669	rVB2	39104	64739	1.39%	0.198%
26	7.005	675	683	688	rBV	115541	177080	3.81%	0.543%
27	7.063	688	693	697	rVV	95828	163676	3.52%	0.502%
28	7.134	700	705	715	rVV	317406	549322	11.81%	1.684%
29	7.434	746	756	763	rVV	98287	167854	3.61%	0.514%
30	7.716	795	804	810	rBV3	271647	509639	10.96%	1.562%
31	7.781	810	815	826	rVV2	421637	790966	17.00%	2.424%
32	7.981	844	849	854	rBV2	33508	51070	1.10%	0.157%
33	8.099	861	869	875	rVV	1677037	2864243	61.57%	8.778%
34	8.222	875	890	895	rVV2	1148458	2093658	45.01%	6.417%

LSC Area Percent Report

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Sample : K1762-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0959

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Title : SVOA CALIBRATION

35	8.316	901	906	911	rVB3	46258	82994	1.78%	0.254%
36	8.481	929	934	939	rBV2	25101	40019	0.86%	0.123%
37	8.546	939	945	946	rVV	82036	114175	2.45%	0.350%
38	8.569	947	949	956	rVB	137012	191343	4.11%	0.586%
39	8.693	964	970	977	rBV	183913	288306	6.20%	0.884%
40	8.881	993	1002	1013	rBV	902494	1478880	31.79%	4.532%
41	9.057	1014	1032	1039	rVV2	83545	289253	6.22%	0.887%
42	9.240	1057	1063	1070	rBV3	91855	181012	3.89%	0.555%
43	9.593	1118	1123	1130	rBV3	24675	51661	1.11%	0.158%
44	9.663	1130	1135	1142	rVB2	31557	58928	1.27%	0.181%
45	9.846	1144	1166	1174	rBV3	63163	252371	5.43%	0.773%
46	10.093	1204	1208	1217	rVB7	16303	44272	0.95%	0.136%
47	10.287	1236	1241	1247	rVB	148149	248151	5.33%	0.761%
48	10.440	1260	1267	1272	rVB3	111581	189588	4.08%	0.581%
49	10.504	1272	1278	1284	rVB	114072	185892	4.00%	0.570%
50	10.646	1296	1302	1313	rBV	350098	608272	13.08%	1.864%
51	10.963	1350	1356	1364	rBV	258329	497550	10.70%	1.525%
52	11.175	1385	1392	1403	rVB	746374	1374461	29.55%	4.212%
53	11.328	1406	1418	1420	rBV4	82004	191120	4.11%	0.586%
54	11.404	1426	1431	1438	rVB	359024	603250	12.97%	1.849%
55	11.475	1438	1443	1447	rVB	23488	39292	0.84%	0.120%
56	11.534	1447	1453	1458	rBV	331409	557664	11.99%	1.709%
57	11.581	1458	1461	1474	rVV8	44696	89859	1.93%	0.275%
58	11.834	1498	1504	1508	rBV	43382	72198	1.55%	0.221%
59	12.204	1562	1567	1571	rBV	48580	84035	1.81%	0.258%
60	12.769	1657	1663	1674	rVV2	231385	460369	9.90%	1.411%
61	13.234	1737	1742	1748	rBV2	87050	144518	3.11%	0.443%
62	13.310	1748	1755	1765	rVB3	129664	268570	5.77%	0.823%
63	13.487	1781	1785	1796	rVB	56182	89273	1.92%	0.274%
64	13.775	1828	1834	1843	rBV	378762	523182	11.25%	1.603%
65	14.392	1934	1939	1944	rBV	27842	41983	0.90%	0.129%
66	14.592	1966	1973	1977	rBV7	18057	45789	0.98%	0.140%
67	14.663	1980	1985	1989	rBV2	97503	193684	4.16%	0.594%
68	14.945	2030	2033	2036	rVB2	45152	53564	1.15%	0.164%
69	15.204	2069	2077	2086	rBV2	136440	249847	5.37%	0.766%
70	15.798	2174	2178	2191	rVV5	33892	63856	1.37%	0.196%
71	16.763	2333	2342	2350	rBV	172198	279010	6.00%	0.855%

LSC Area Percent Report

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Sample : K1762-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0959

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Title : SVOA CALIBRATION

72	16.969	2370	2377	2389	rVB2	38037	104531	2.25%	0.320%
73	17.192	2411	2415	2421	rVB	104214	145433	3.13%	0.446%
74	17.339	2431	2440	2444	rBV	95461	197961	4.26%	0.607%
75	17.386	2444	2448	2453	rBV	270987	374568	8.05%	1.148%
76	17.704	2498	2502	2510	rVB3	52772	81590	1.75%	0.250%
77	17.898	2530	2535	2537	rVV	41942	80607	1.73%	0.247%
78	17.928	2537	2540	2548	rVV	82809	153550	3.30%	0.471%
79	17.992	2548	2551	2557	rVB3	44932	74205	1.60%	0.227%
80	18.169	2576	2581	2591	rVB2	144011	223319	4.80%	0.684%
81	18.433	2621	2626	2632	rVB3	73624	109276	2.35%	0.335%
82	18.498	2632	2637	2641	rBV	138311	179376	3.86%	0.550%
83	18.639	2655	2661	2667	rBV2	303119	463680	9.97%	1.421%
84	18.751	2674	2680	2687	rVV4	95748	248238	5.34%	0.761%
85	18.816	2687	2691	2696	rVB	355184	472806	10.16%	1.449%
86	18.945	2706	2713	2720	rBV8	14566	49724	1.07%	0.152%
87	19.080	2732	2736	2744	rVB	26900	40830	0.88%	0.125%
88	19.222	2755	2760	2764	rBV	533718	627025	13.48%	1.922%
89	19.257	2764	2766	2772	rVB	39941	48047	1.03%	0.147%
90	19.757	2846	2851	2856	rBV4	32948	64639	1.39%	0.198%
91	19.898	2871	2875	2879	rBV3	56472	90259	1.94%	0.277%
92	19.939	2879	2882	2889	rVB2	52382	68817	1.48%	0.211%
93	20.022	2892	2896	2899	rBV	35405	45449	0.98%	0.139%
94	20.357	2949	2953	2958	rVB2	40590	45845	0.99%	0.141%
95	20.692	2996	3010	3025	rVB4	75566	297388	6.39%	0.911%
96	22.145	3253	3257	3261	rVB	92118	112965	2.43%	0.346%
97	22.298	3278	3283	3287	rBV2	74755	112568	2.42%	0.345%
98	22.674	3343	3347	3354	rVB2	30940	49524	1.06%	0.152%
99	23.380	3461	3467	3482	rVB3	154473	331148	7.12%	1.015%
100	23.657	3507	3514	3521	rVB2	203053	395043	8.49%	1.211%

Sum of corrected areas: 32628369

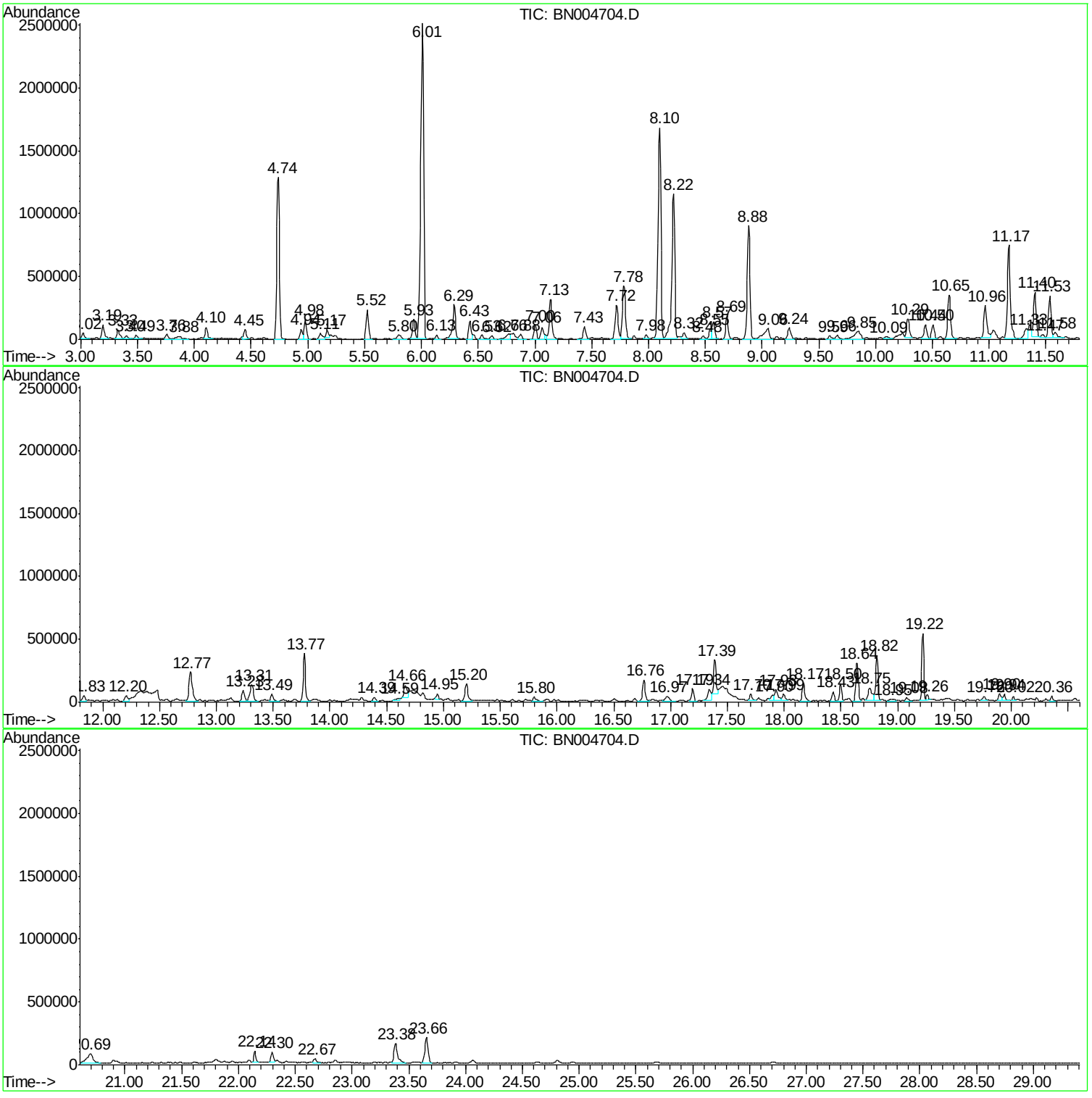
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
Data File : BN004704.D
Acq On : 09 Mar 2019 09:41
Operator : JU/SJ
Sample : K1762-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0959

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
Data File : BN004704.D
Acq On : 09 Mar 2019 09:41
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Instrument : BNA_N
ClientSampleId : C0959

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

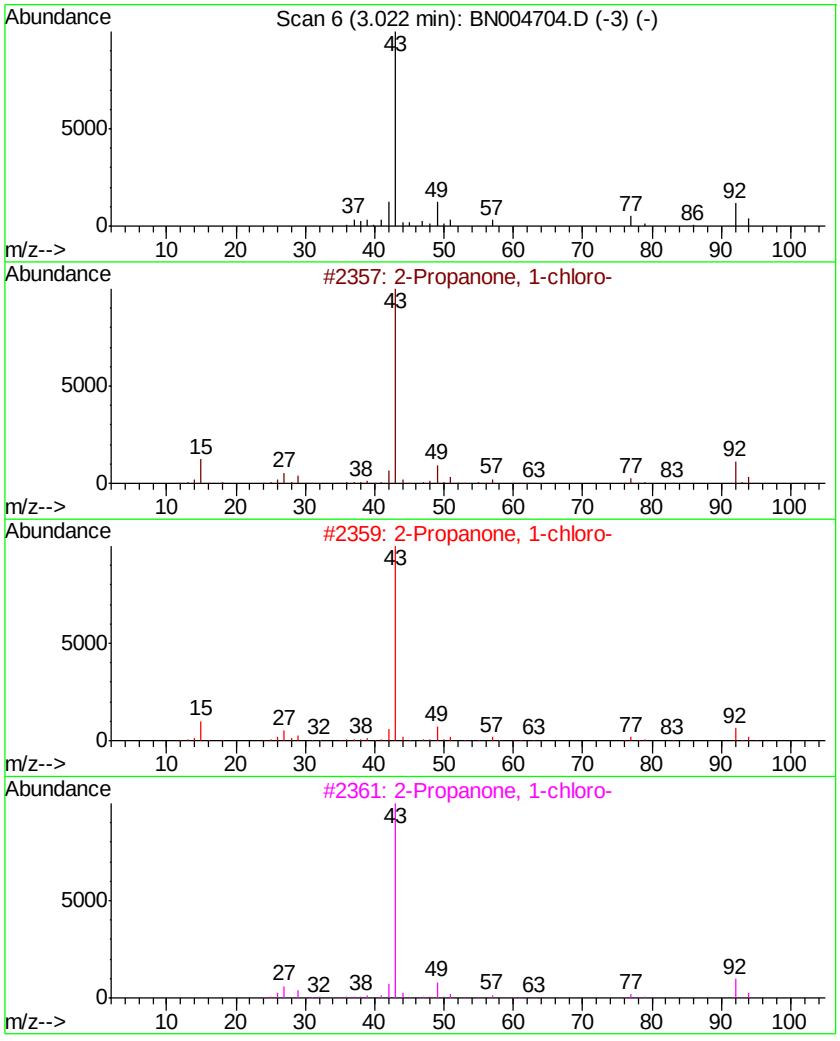
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

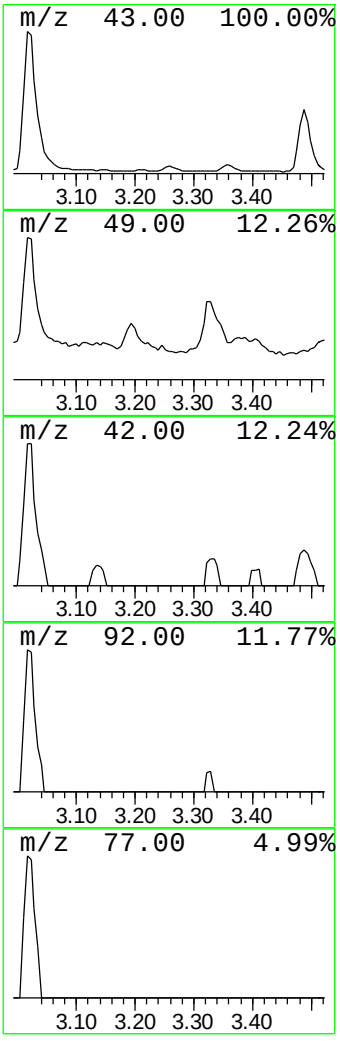
****

Peak Number 1 2-Propanone, 1-chloro- Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	2.36 ng/ul	60240	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1-chloro-	92	C3H5ClO	000078-95-5	86
2	2-Propanone, 1-chloro-	92	C3H5ClO	000078-95-5	80
3	2-Propanone, 1-chloro-	92	C3H5ClO	000078-95-5	64
4	Chloroacetamidine	92	C2H5ClN2	020846-52-0	59
5	2-Propanone, 1-chloro-	92	C3H5ClO	000078-95-5	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
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Misc :
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Instrument : BNA_N
ClientSampleId : C0959

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

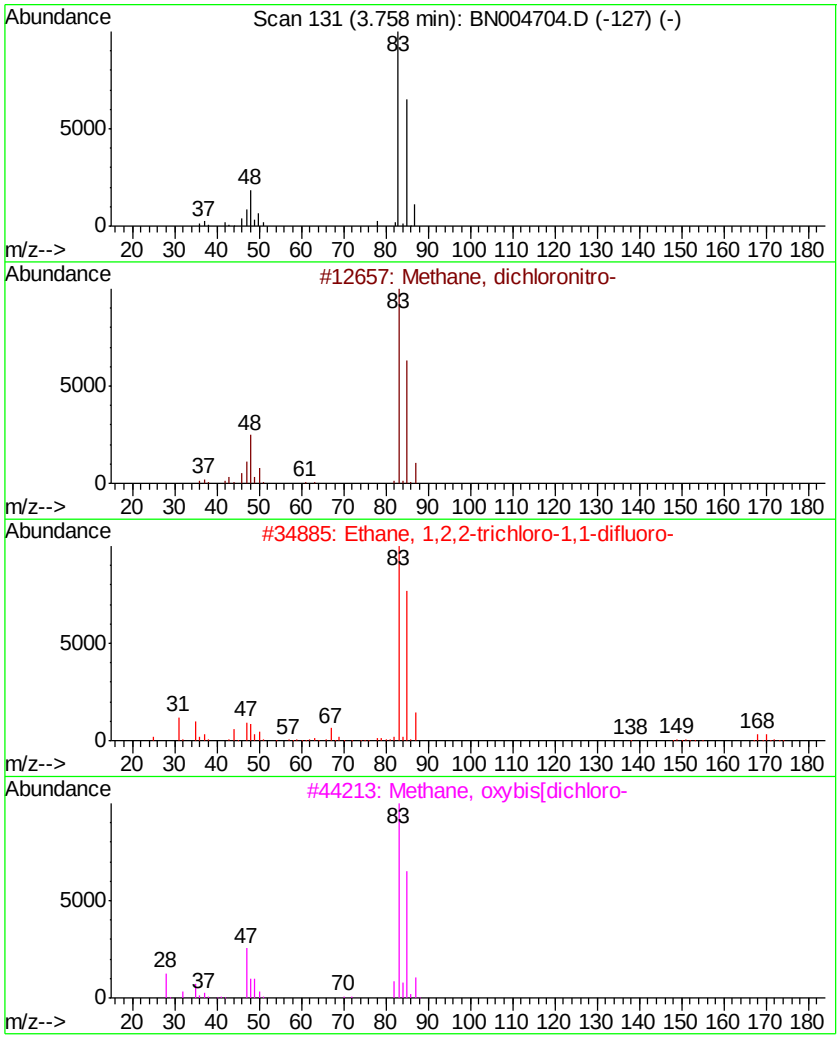
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

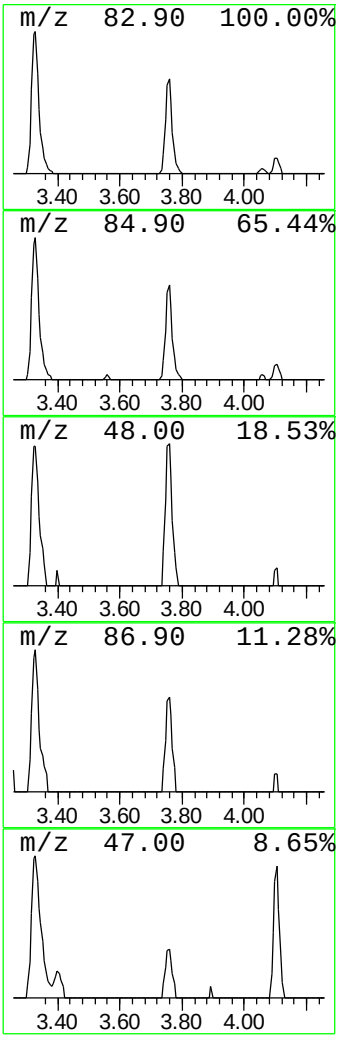
****

Peak Number 3 Methane, dichloronitro- Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	2.29 ng/ul	58363	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methane, dichloronitro-	129	CHCl2NO2	007119-89-3	83
2	Ethane, 1,2,2-trichloro-1,1-difl...	168	C2HCl3F2	000354-21-2	78
3	Methane, oxybis[dichloro-	182	C2H2Cl4O	020524-86-1	40
4	Trichloromethane	118	CHCl3	000067-66-3	40
5	Trichloromethane	118	CHCl3	000067-66-3	9





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ClientSampleId : C0959

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

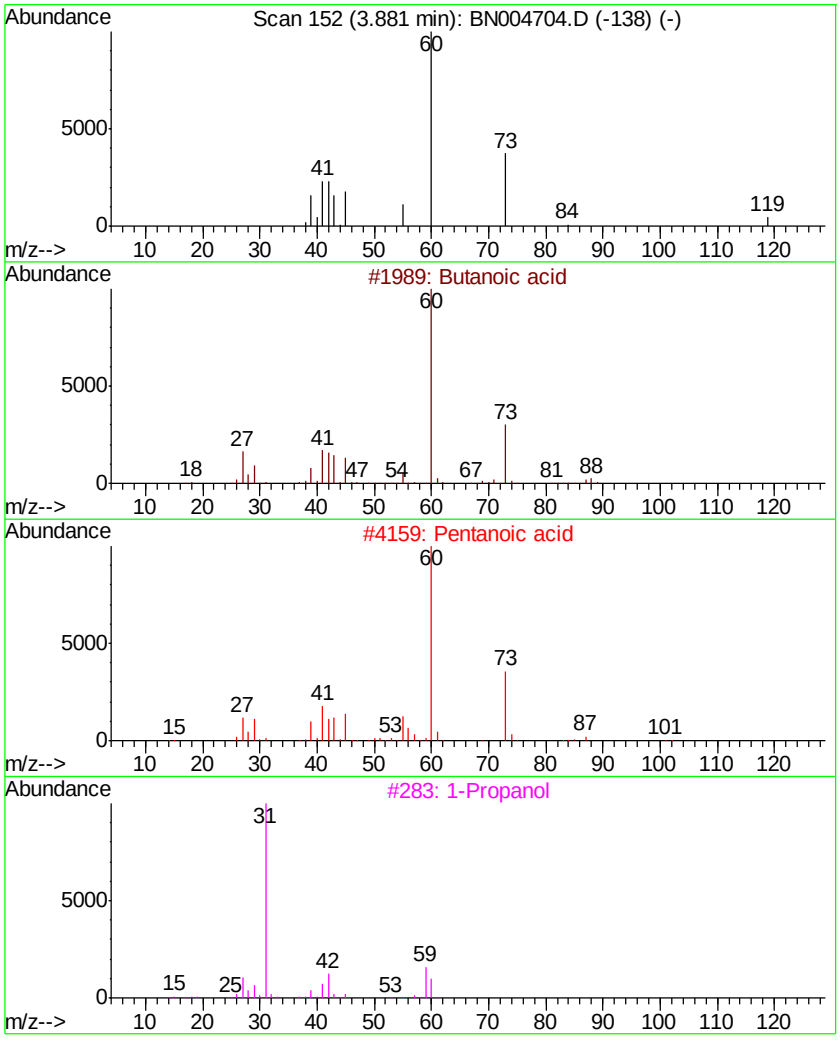
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

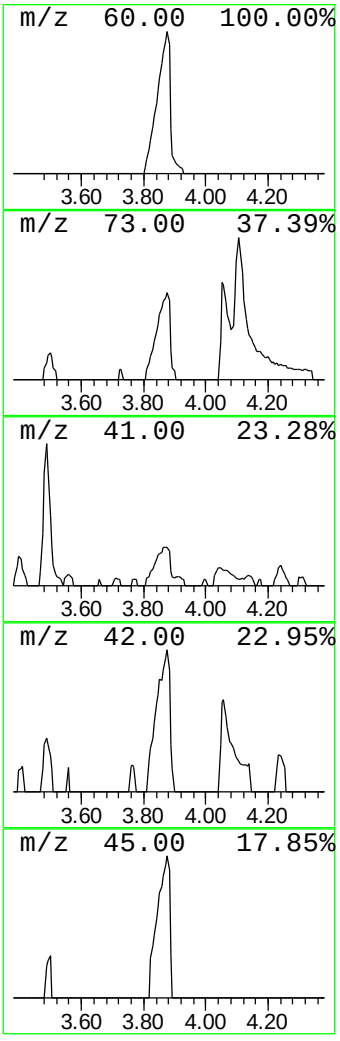
****

Peak Number 4 unknown-01 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	2.96 ng/ul	75334	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid	88	C4H8O2	000107-92-6	40
2	Pentanoic acid	102	C5H10O2	000109-52-4	9
3	1-Propanol	60	C3H8O	000071-23-8	5
4	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	4
5	Formic acid hydrazide	60	CH4N2O	000624-84-0	4





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Instrument : BNA_N
ClientSampleId : C0959

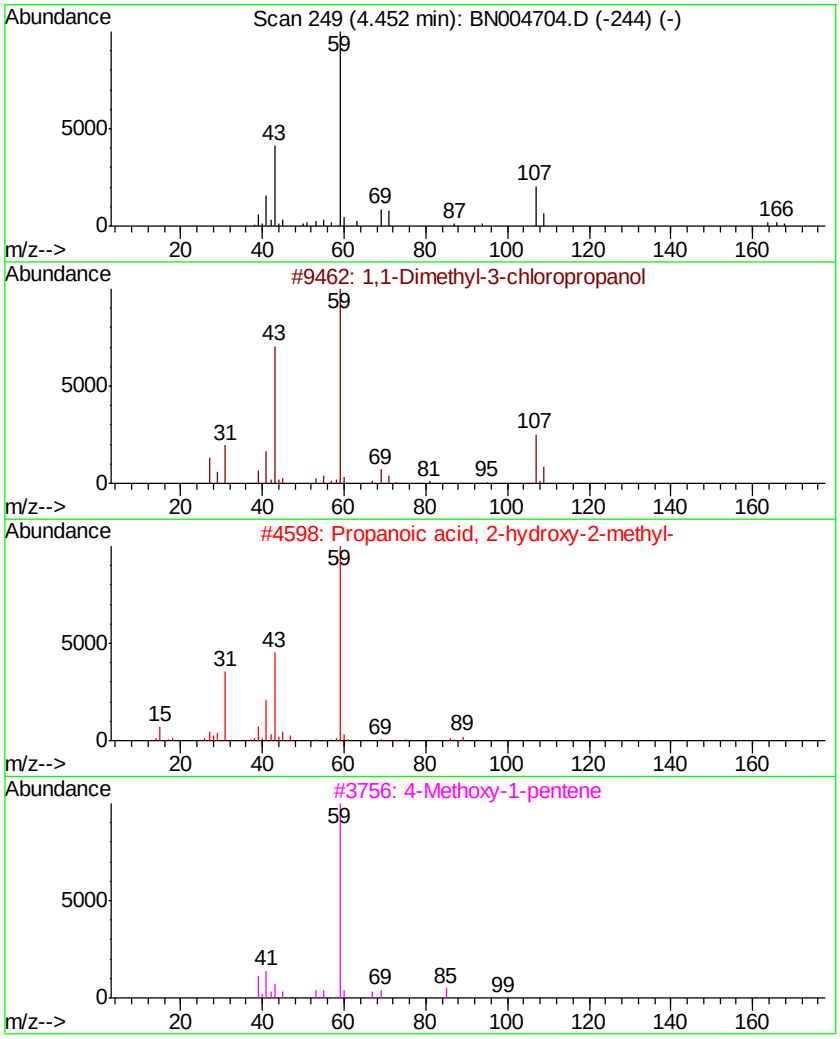
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

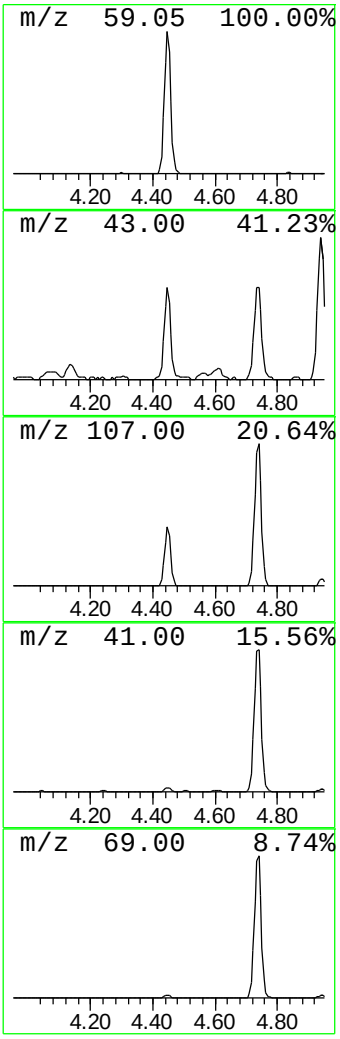
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1,1-Dimethyl-3-chloropropanol Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.45	4.35 ng/ul	110851	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dimethyl-3-chloropropanol	122	C5H11ClO	001985-88-2	64
2	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	50
3	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	36
4	Amylene Hydrate	88	C5H12O	000075-85-4	33
5	4-Pentene-2-ol, 2-methyl	100	C6H12O	000624-97-5	33





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
Data File : BN004704.D
Acq On : 09 Mar 2019 09:41
Operator : JU/SJ
Sample : K1762-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0959

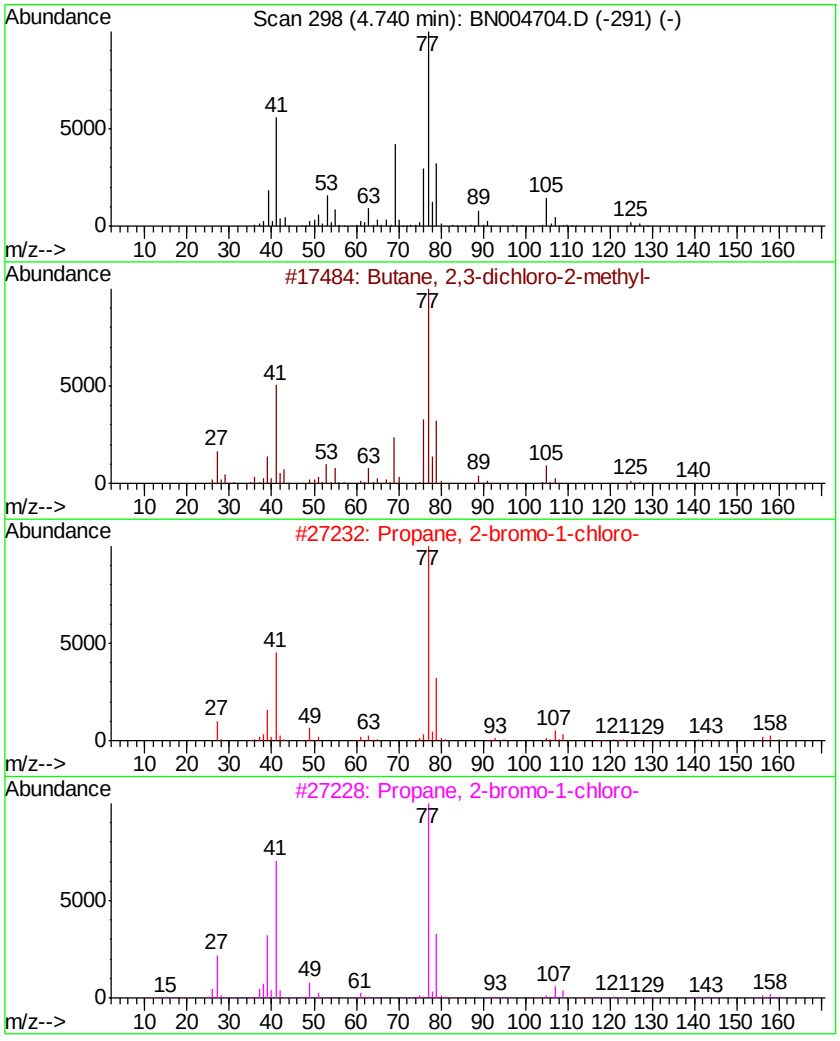
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

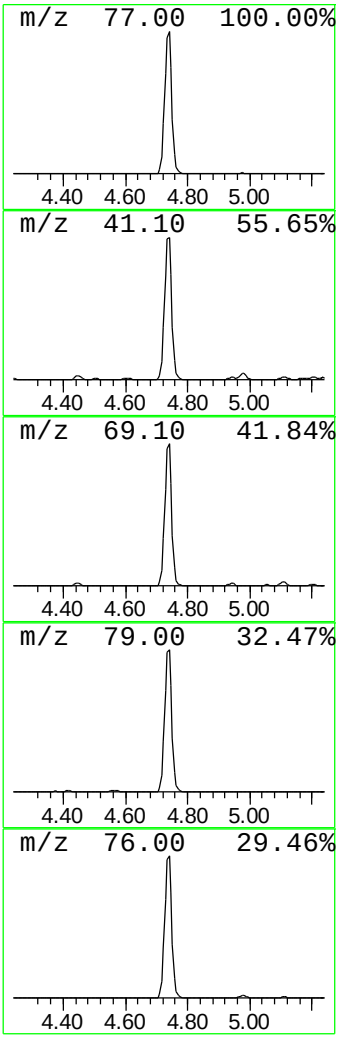
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Butane, 2,3-dichloro-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	79.65 ng/ul	2029530	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dichloro-2-methyl-	140	C5H10Cl2	000507-45-9	83
2	Propane, 2-bromo-1-chloro-	156	C3H6BrCl	003017-95-6	38
3	Propane, 2-bromo-1-chloro-	156	C3H6BrCl	003017-95-6	37
4	Butane, 1,3-dichloro-3-methyl-	140	C5H10Cl2	000624-96-4	16
5	Propane, 1,1-dichloro-	112	C3H6Cl2	000078-99-9	9





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Operator : JU/SJ
Sample : K1762-05
Misc :
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Instrument : BNA_N
ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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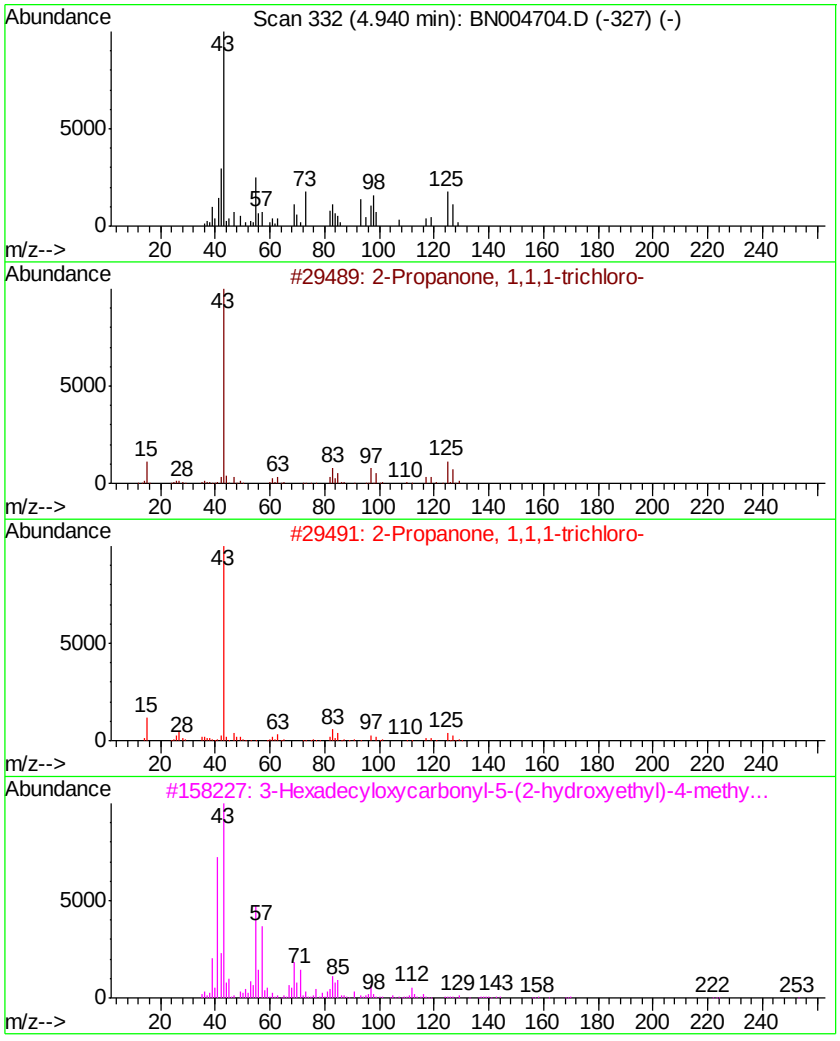
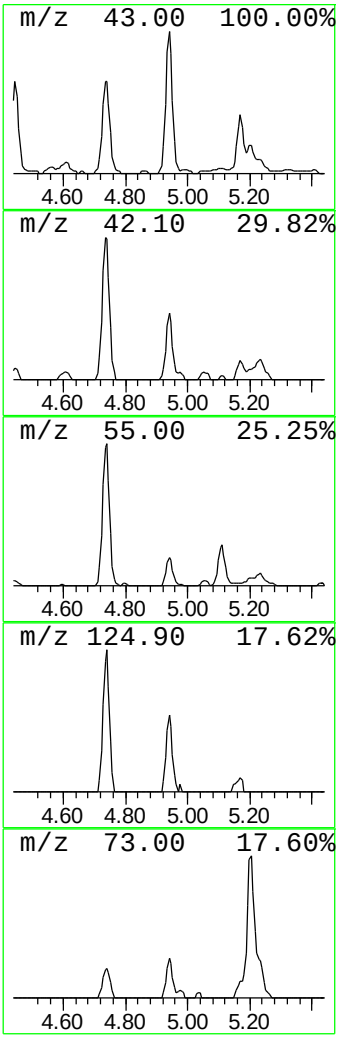
Peak Number 8 unknown-02 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	4.79 ng/ul	122044	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	38
2	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	32
3	3-Hexadecyloxycarbonyl-5-(2-hydr...	409	C24H45N2O3	1000222-82-8	25
4	1-Bromo-1,1-dichloro-2-propanone	204	C3H3BrCl2O	001751-16-2	16
5	2H-Azepin-2-one, hexahydro-6-met...	127	C7H13NO	006142-55-8	12





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Instrument : BNA_N
ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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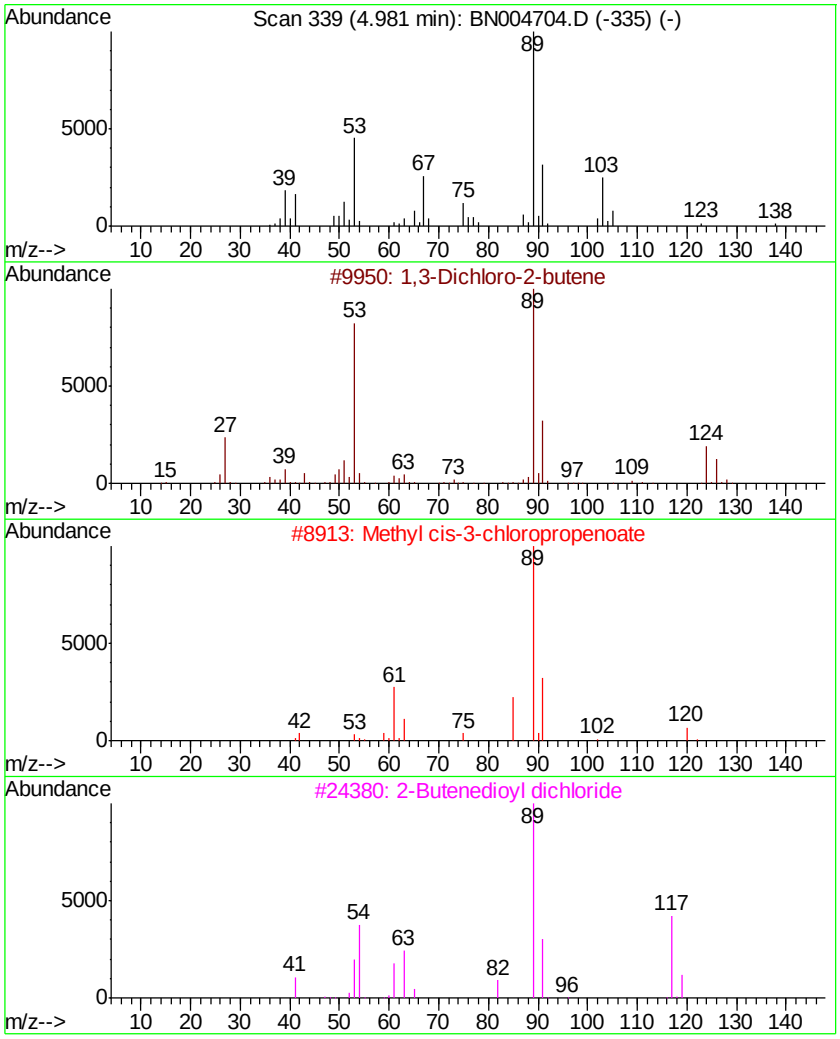
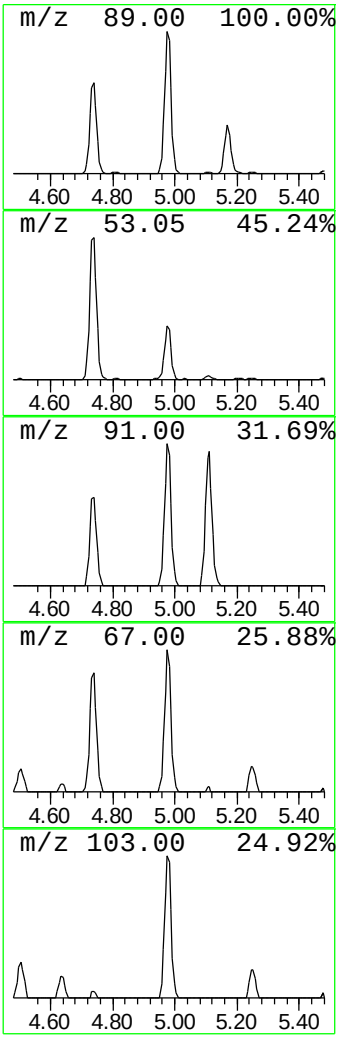
Peak Number 9 1,3-Dichloro-2-butene Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	8.80 ng/ul	224309	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dichloro-2-butene	124	C4H6Cl2	000926-57-8	72
2	Methyl cis-3-chloropropenoate	120	C4H5ClO2	1000144-78-7	9
3	2-Butenedioyl dichloride	152	C4H2Cl2O2	016769-97-4	9
4	10-Oxatetracyclo[5.5.2.0(1,5).0(...	352	C18H24O7	1000154-01-5	9
5	Methyl pyruvate dimethyl acetal	148	C6H12O4	010076-48-9	9





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ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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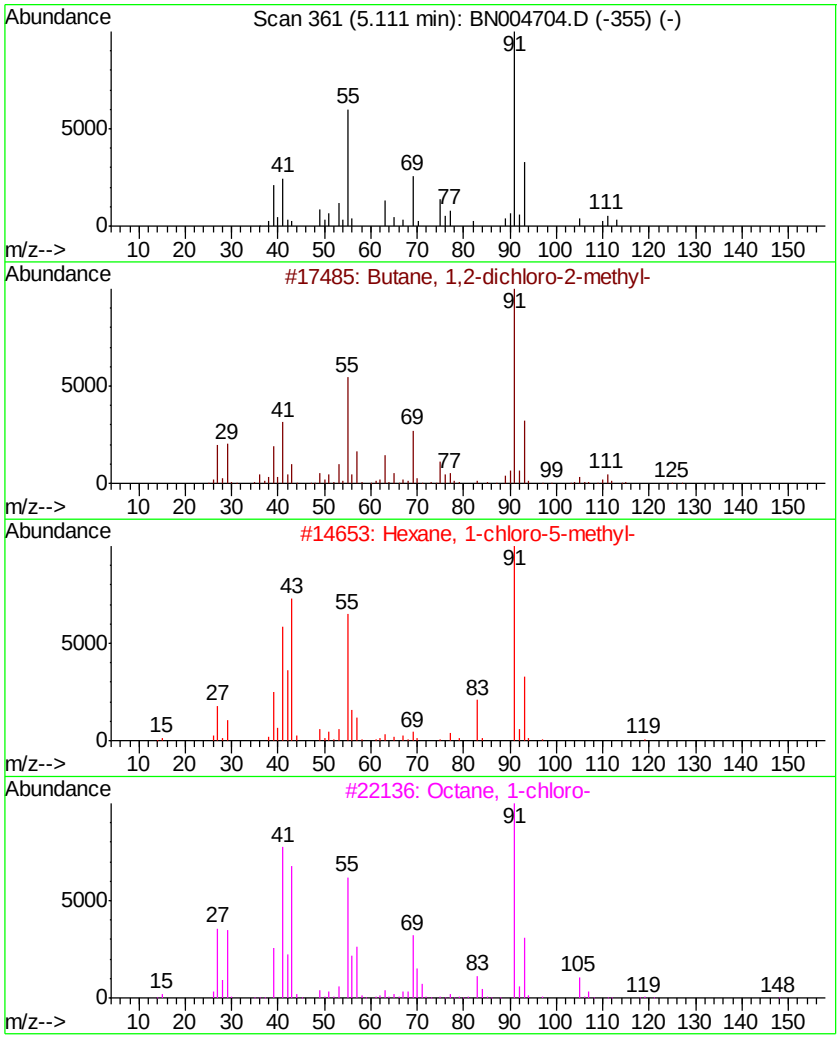
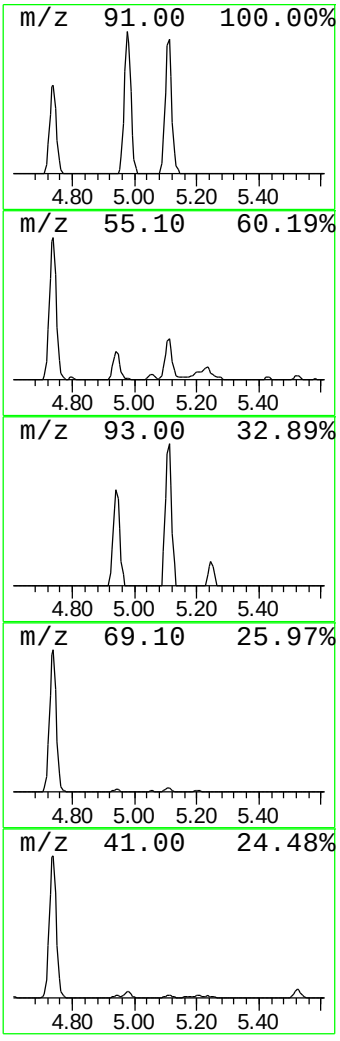
Peak Number 10 Butane, 1,2-dichloro-2-methyl- Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	3.91 ng/ul	99526	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,2-dichloro-2-methyl-	140	C5H10Cl2	023010-04-0	90
2	Hexane, 1-chloro-5-methyl-	134	C7H15Cl	033240-56-1	25
3	Octane, 1-chloro-	148	C8H17Cl	000111-85-3	25
4	Butane, 1,4-dichloro-2-methyl-	140	C5H10Cl2	000623-34-7	23
5	3,5,6-Trichloro-2-pyridyl .alpha...	351	C12H8Cl3NO3S	058236-69-4	23





Library Search Compound Report

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Sample : K1762-05
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ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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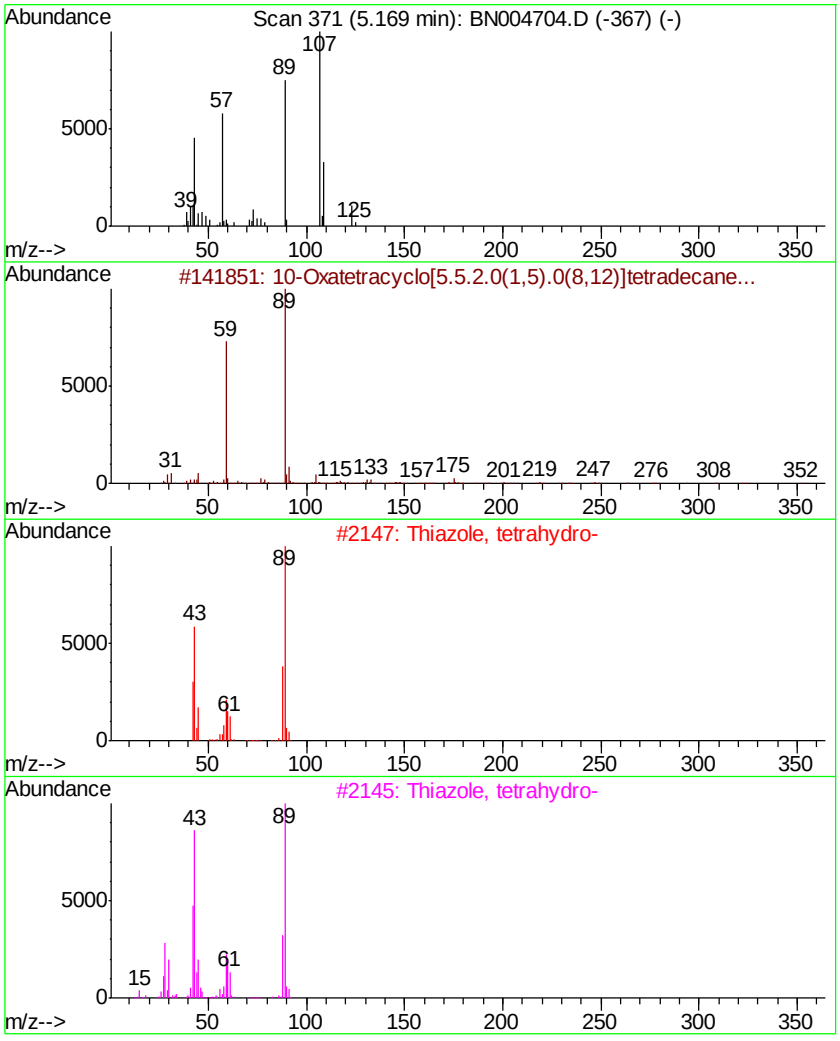
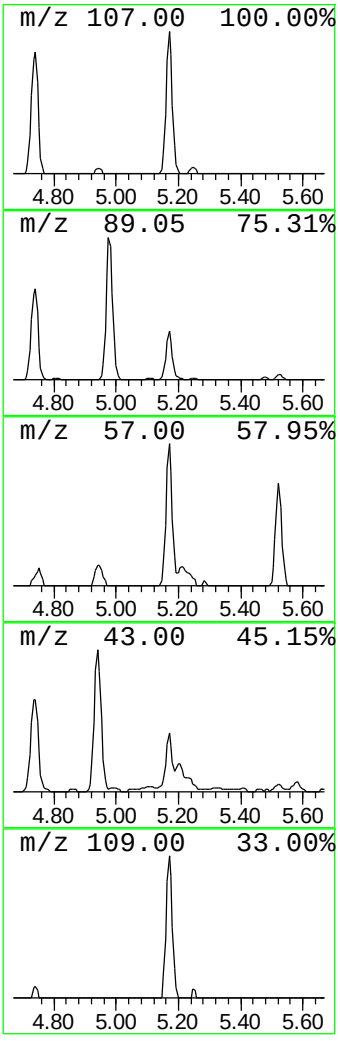
Peak Number 11 unknown-03 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	3.08 ng/ul	78448	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Oxatetracyclo[5.5.2.0(1,5).0(...	352	C18H24O7	1000154-01-5	36
2	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	9
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	9
4	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	9
5	Methyl pyruvate dimethyl acetal	148	C6H12O4	010076-48-9	9





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ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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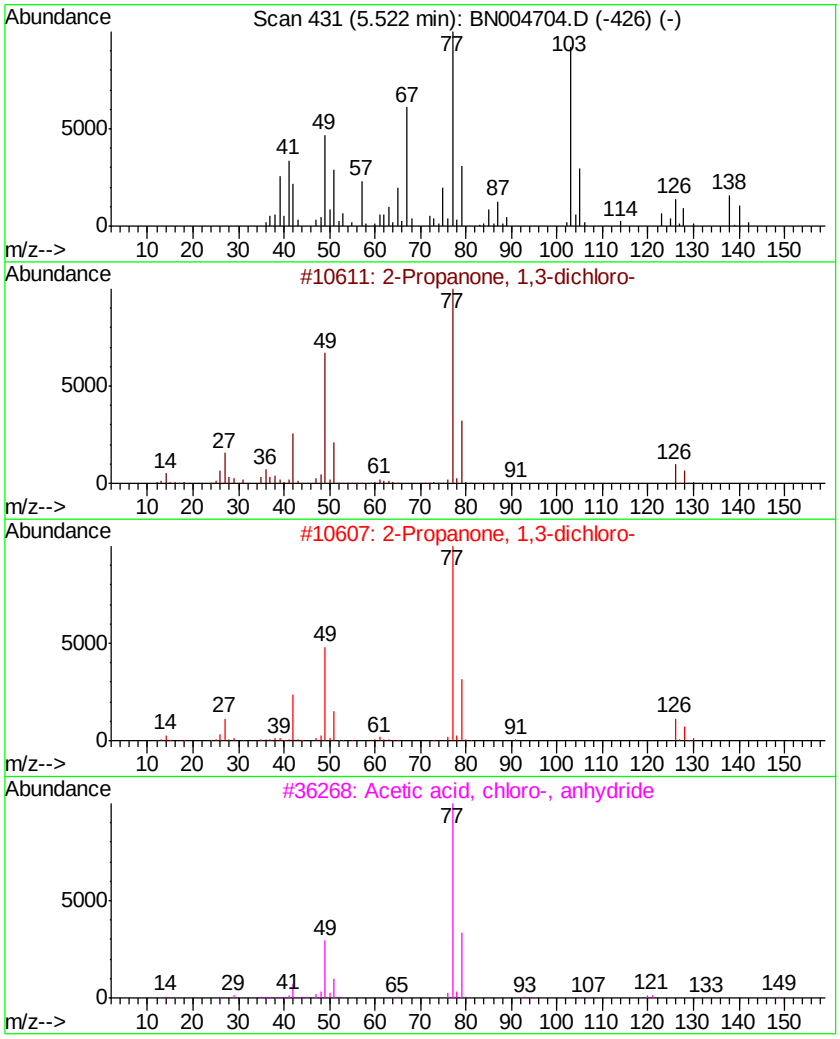
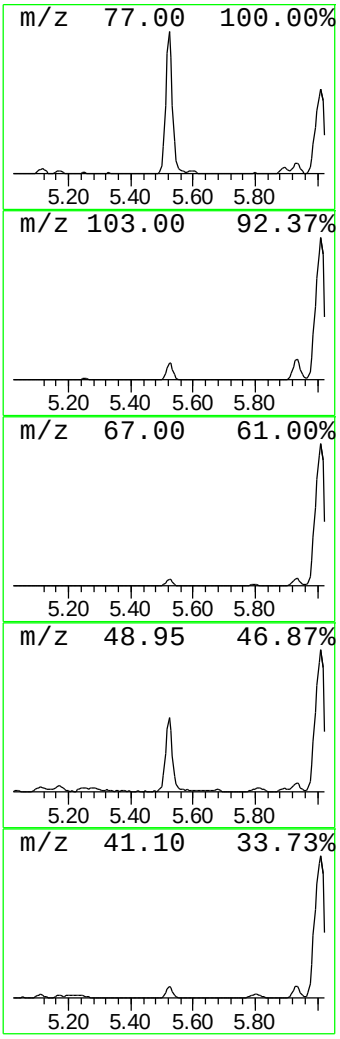
Peak Number 12 2-Propanone, 1,3-dichloro- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	13.48 ng/ul	343373	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,3-dichloro-	126	C3H4Cl2O	000534-07-6	60
2	2-Propanone, 1,3-dichloro-	126	C3H4Cl2O	000534-07-6	60
3	Acetic acid, chloro-, anhydride	170	C4H4Cl2O3	000541-88-8	43
4	Vinyl chloroacetate	120	C4H5ClO2	002549-51-1	43
5	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	43





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ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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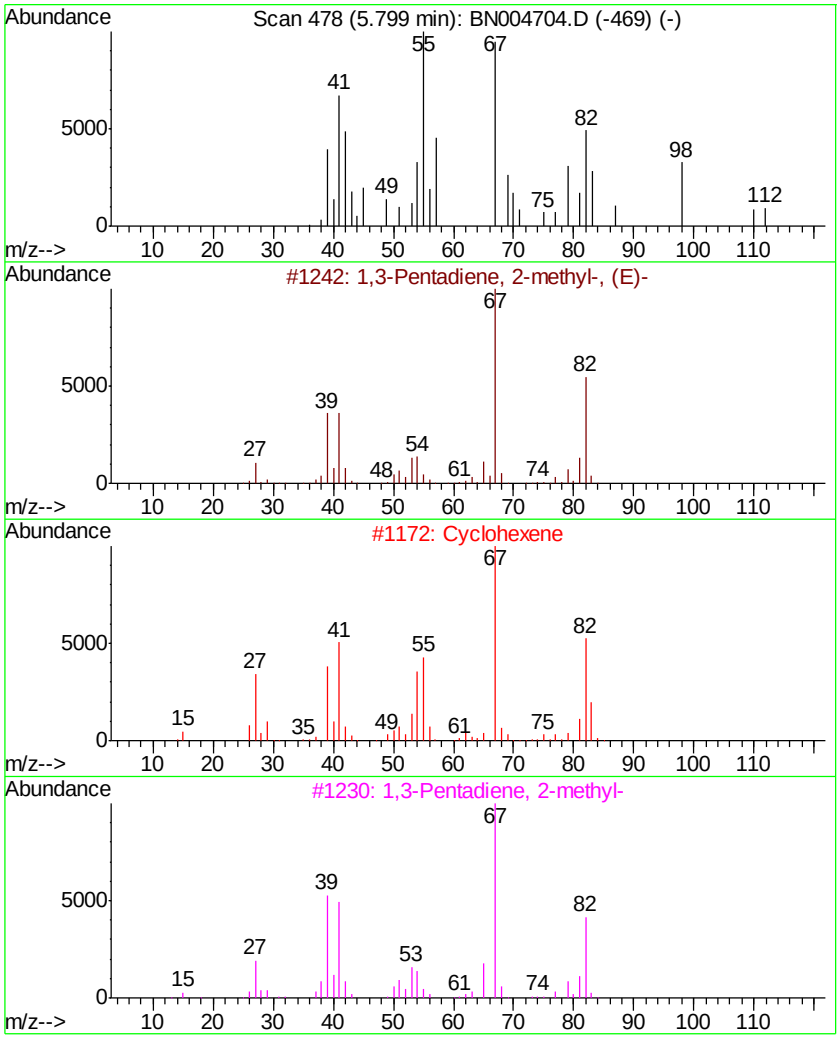
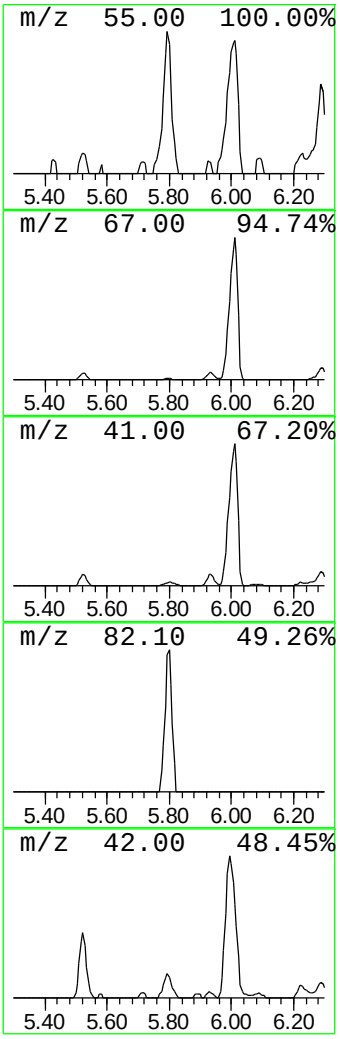
Peak Number 13 unknown-04 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	3.41 ng/ul	86804	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	38
2	Cyclohexene	82	C6H10	000110-83-8	38
3	1,3-Pentadiene, 2-methyl-	82	C6H10	001118-58-7	38
4	1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	38
5	Cyclohexene	82	C6H10	000110-83-8	38





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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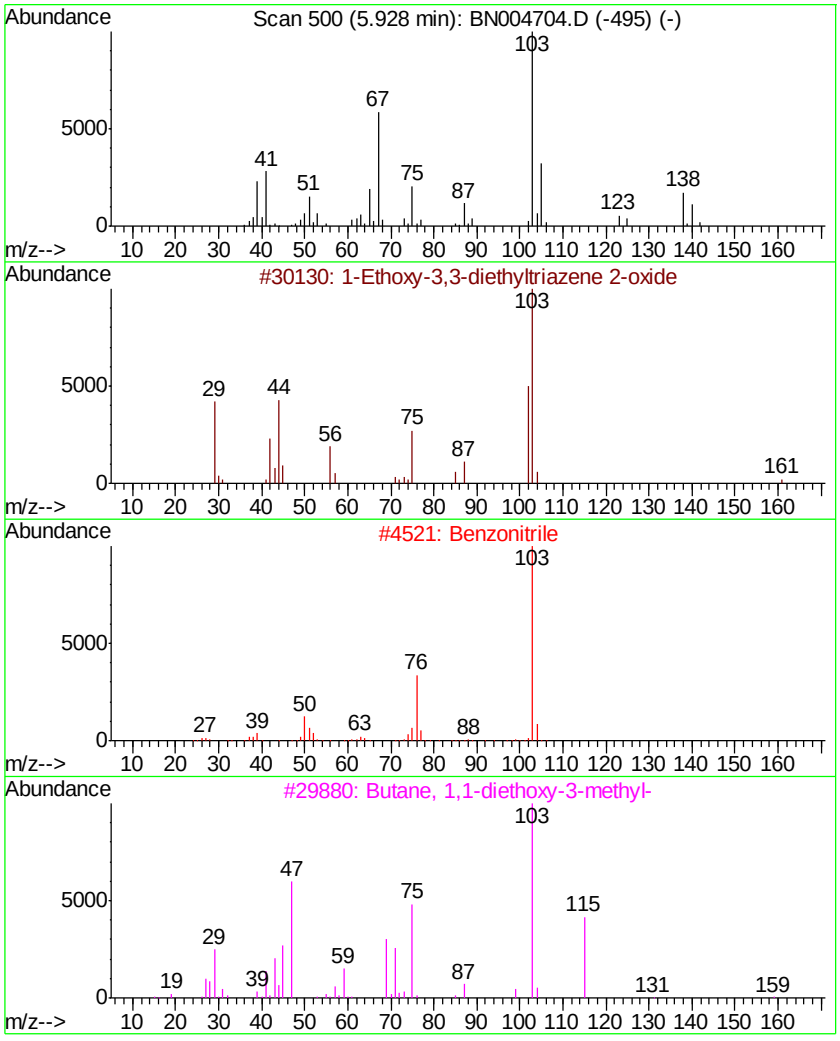
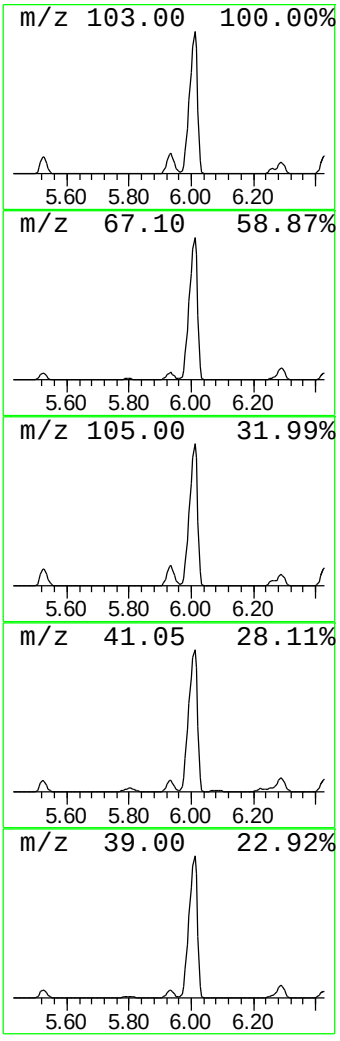
Peak Number 14 unknown-05 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	9.72 ng/ul	247674	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethoxy-3,3-diethyltriazene 2-o...	161	C6H15N3O2	091725-44-9	25
2	Benzonitrile	103	C7H5N	000100-47-0	17
3	Butane, 1,1-diethoxy-3-methyl-	160	C9H20O2	003842-03-3	17
4	Tricyclo[3.1.0.0(2,4)]hex-3-ene-...	103	C7H5N	103495-51-8	12
5	Ethanethioamide, N,N-dimethyl-	103	C4H9NS	000631-67-4	12





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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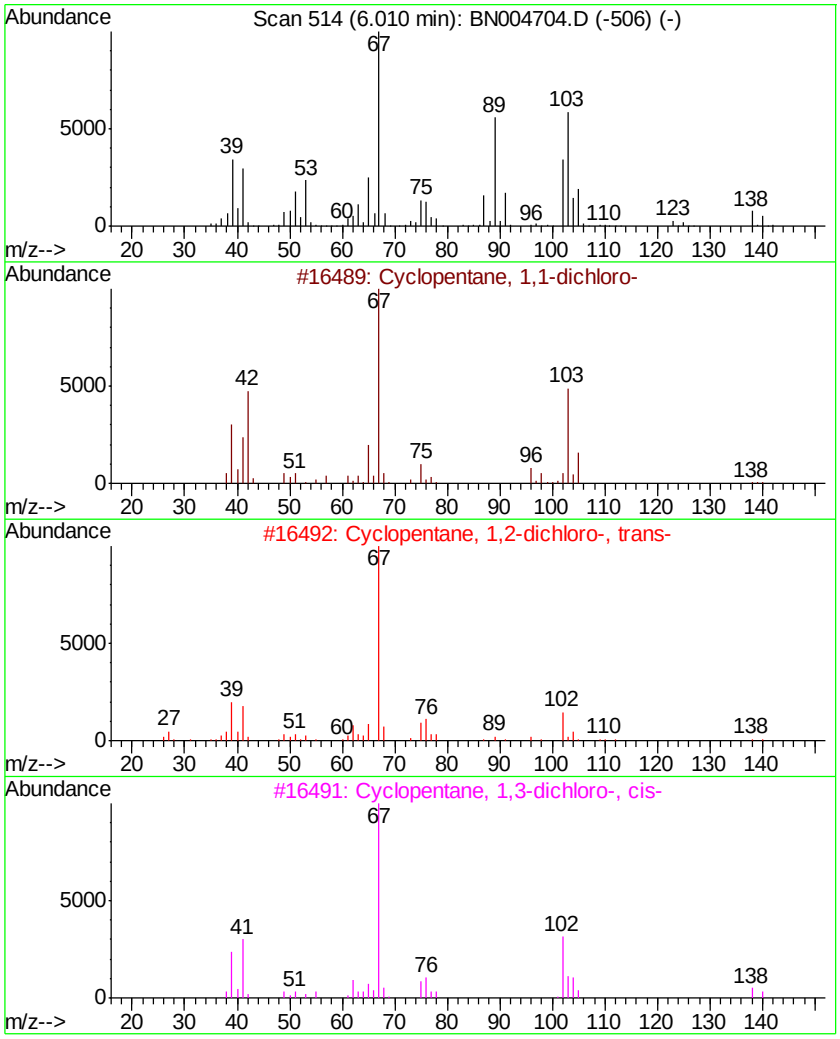
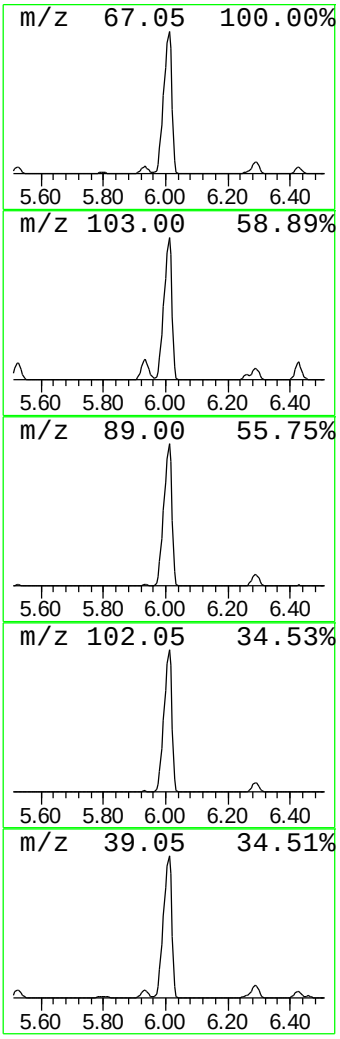
Peak Number 15 unknown-06 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.01	182.56 ng/ul	4651970	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dichloro-	138	C5H8Cl2	031038-06-9	47
2	Cyclopentane, 1,2-dichloro-, trans-	138	C5H8Cl2	014376-81-9	46
3	Cyclopentane, 1,3-dichloro-, cis-	138	C5H8Cl2	026688-51-7	45
4	Cyclopentene, 1-chloro-	102	C5H7Cl	000930-29-0	43
5	Cyclopropane, 1,2-dimethyl-3-met...	82	C6H10	062338-02-7	27





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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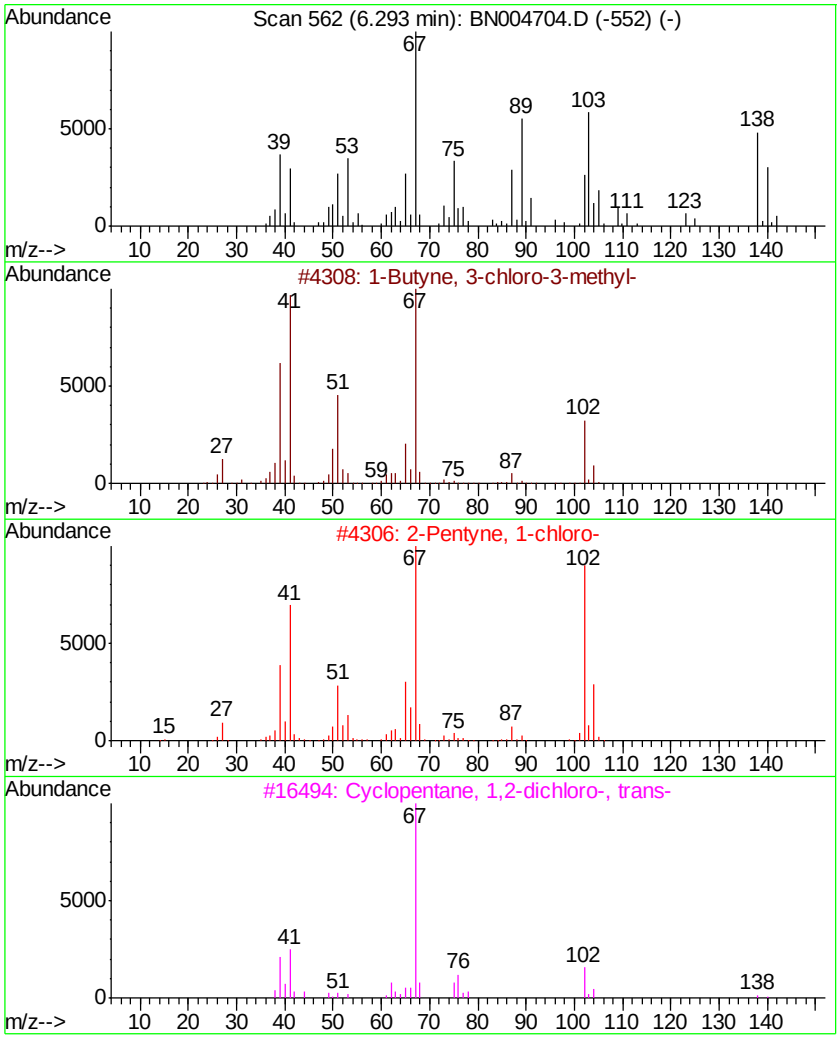
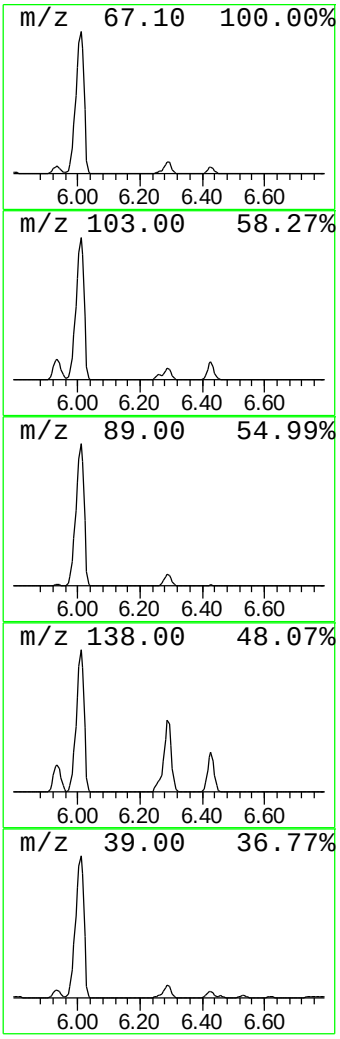
Peak Number 16 unknown-07 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	18.82 ng/ul	479510	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butyne, 3-chloro-3-methyl-	102	C5H7Cl	001111-97-3	27
2	2-Pentyne, 1-chloro-	102	C5H7Cl	022592-15-0	27
3	Cyclopentane, 1,2-dichloro-, trans-	138	C5H8Cl2	014376-81-9	27
4	Cyclopentane, 1,3-dichloro-, cis-	138	C5H8Cl2	026688-51-7	27
5	Cyclopentane, 1,1-dichloro-	138	C5H8Cl2	031038-06-9	25





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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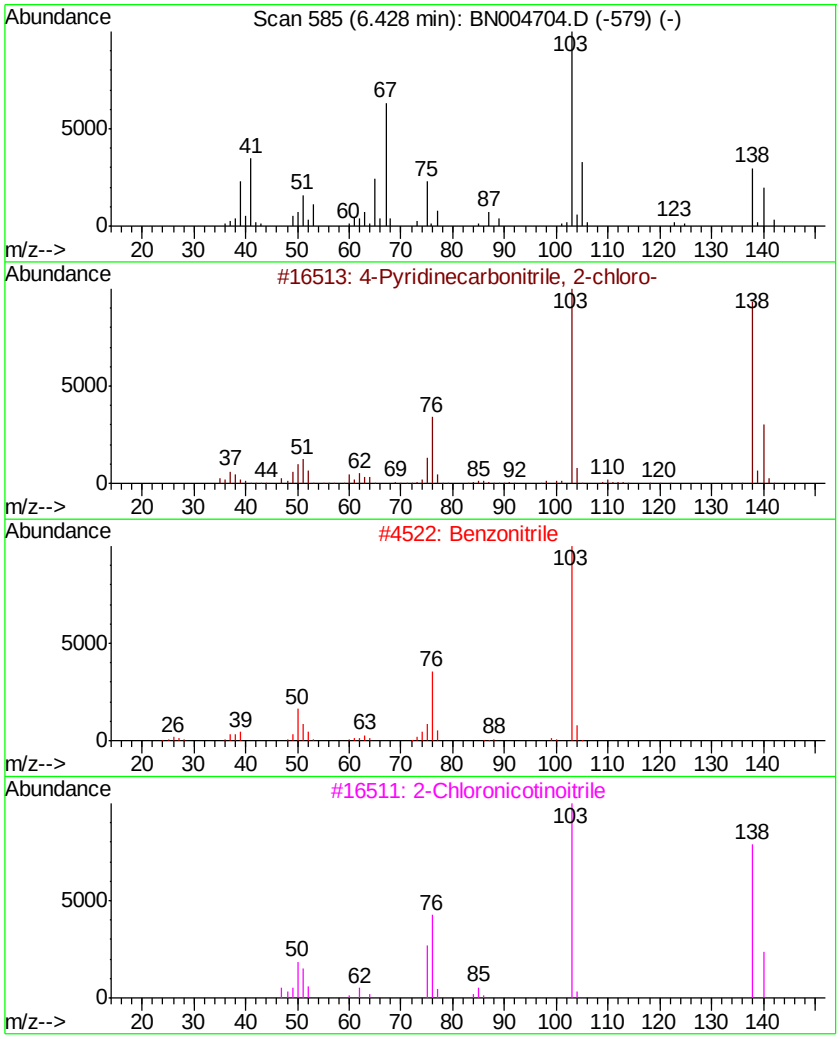
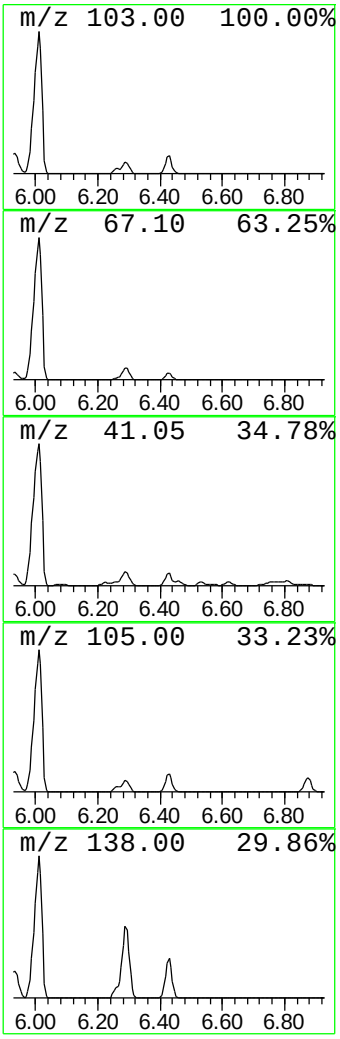
Peak Number 17 unknown-08 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	9.10 ng/ul	231827	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyridinecarbonitrile, 2-chloro-	138	C6H3ClN2	033252-30-1	35
2	Benzonitrile	103	C7H5N	000100-47-0	27
3	2-Chloronicotinoitrile	138	C6H3ClN2	006602-54-6	25
4	1-Ethoxy-3,3-diethyltriazene 2-o...	161	C6H15N3O2	091725-44-9	17
5	Benzonitrile	103	C7H5N	000100-47-0	16





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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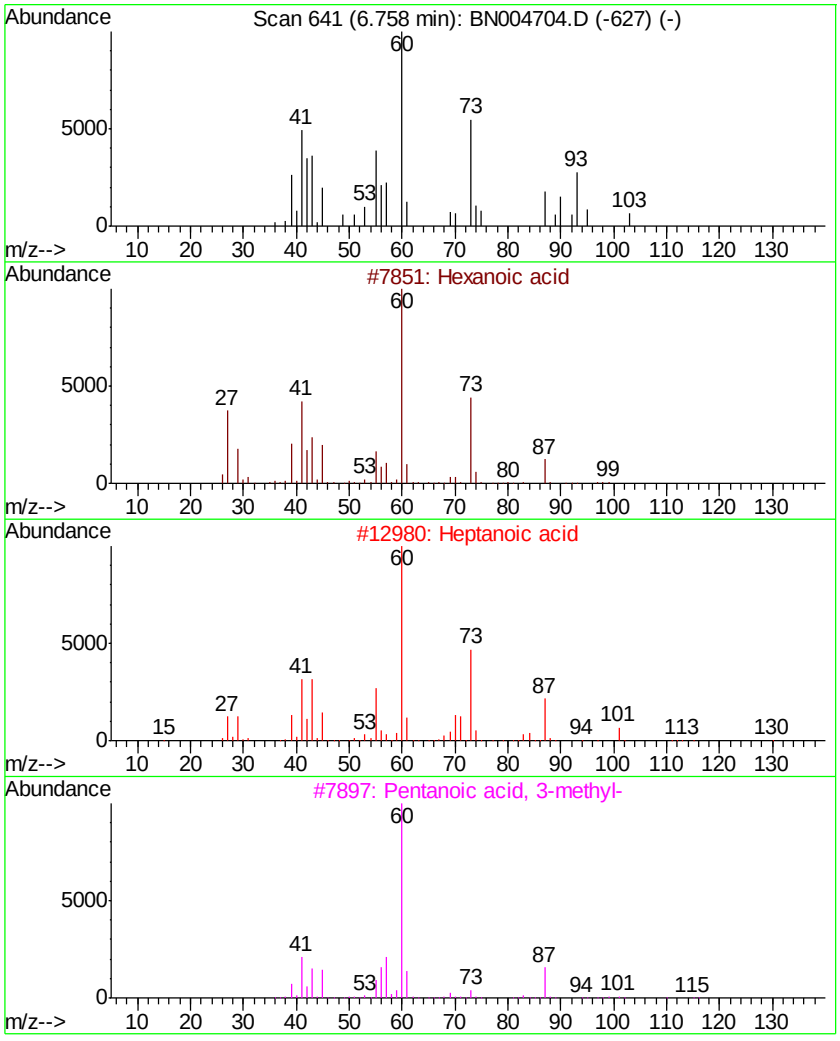
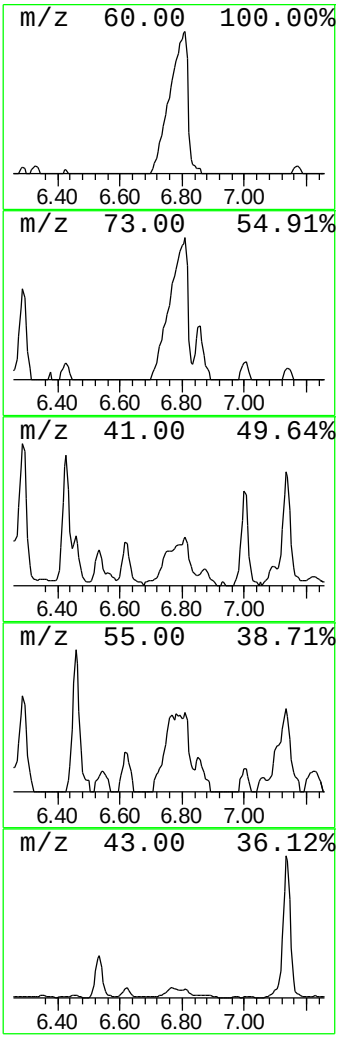
Peak Number 18 unknown-09 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	4.25 ng/ul	108371	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid	116	C6H12O2	000142-62-1	64
2	Heptanoic acid	130	C7H14O2	000111-14-8	50
3	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	50
4	D-Galactose, 6-deoxy-	164	C6H12O5	003615-37-0	47
5	Heptanoic acid	130	C7H14O2	000111-14-8	43





Library Search Compound Report

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Acq On : 09 Mar 2019 09:41
Operator : JU/SJ
Sample : K1762-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0959

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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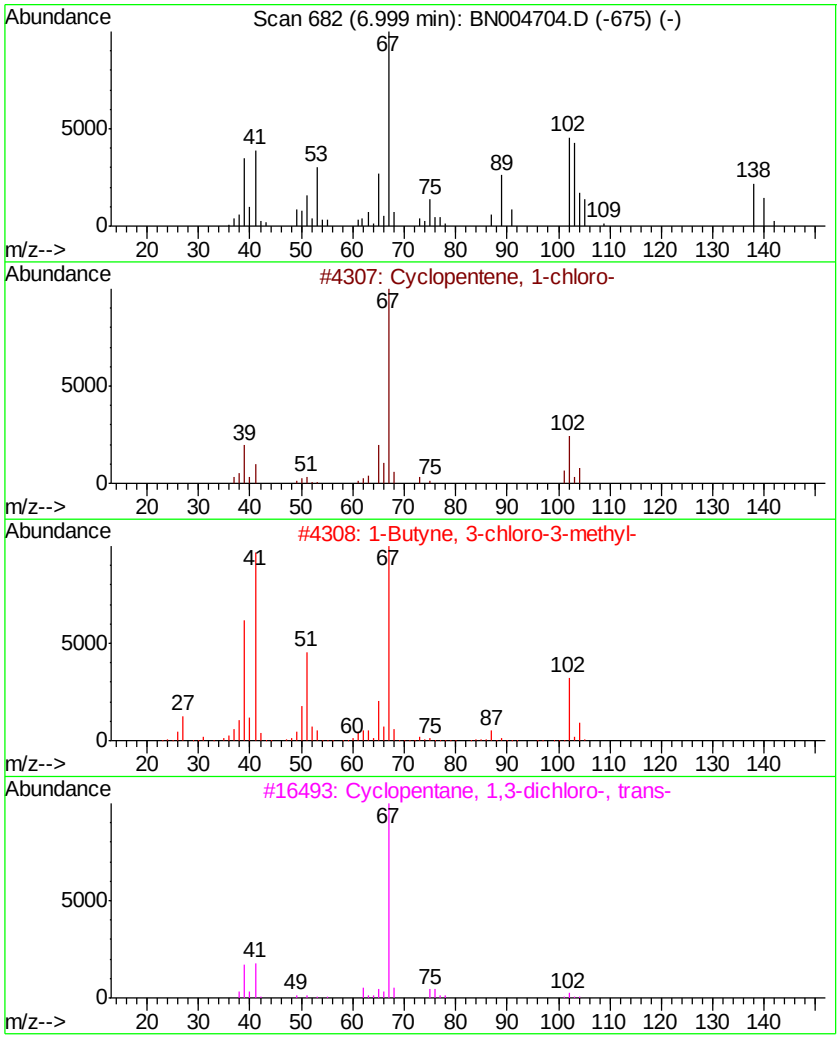
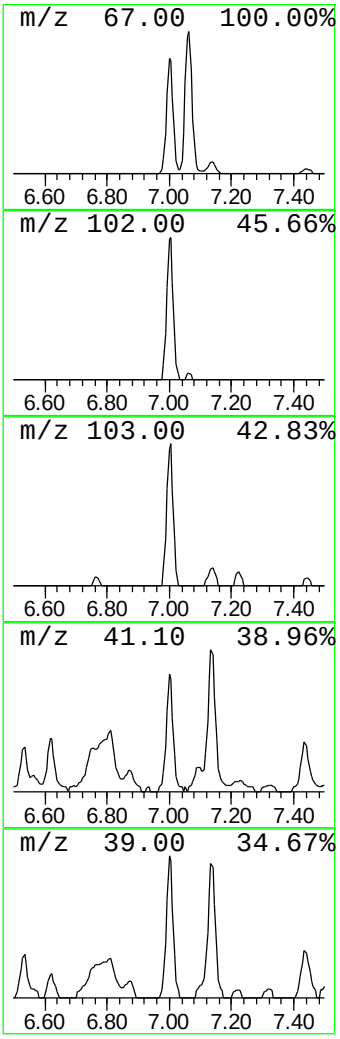
Peak Number 19 Cyclopentene, 1-chloro- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	6.95 ng/ul	177080	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-chloro-	102	C5H7Cl	000930-29-0	53
2	1-Butyne, 3-chloro-3-methyl-	102	C5H7Cl	001111-97-3	43
3	Cyclopentane, 1,3-dichloro-, trans-	138	C5H8Cl2	026688-50-6	38
4	Cyclopentane, 1,1-dichloro-	138	C5H8Cl2	031038-06-9	32
5	Cyclopentane, 1,2-dichloro-, cis-	138	C5H8Cl2	031025-65-7	27





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Instrument : BNA_N
ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

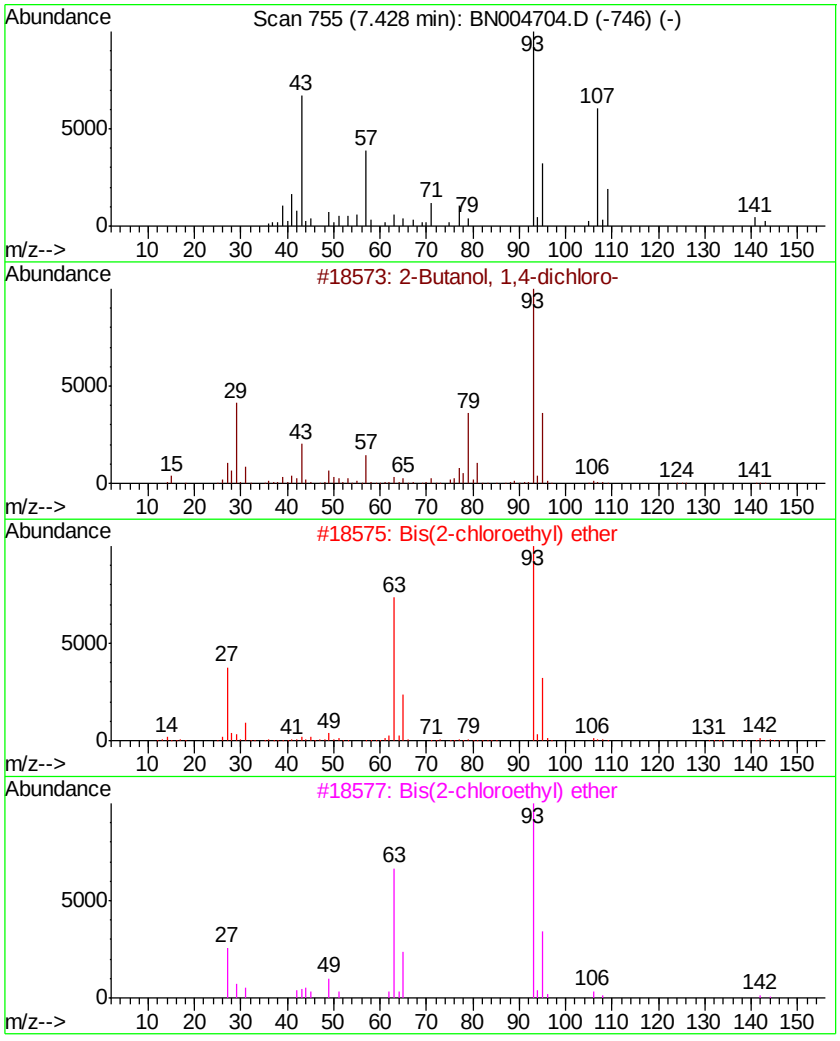
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

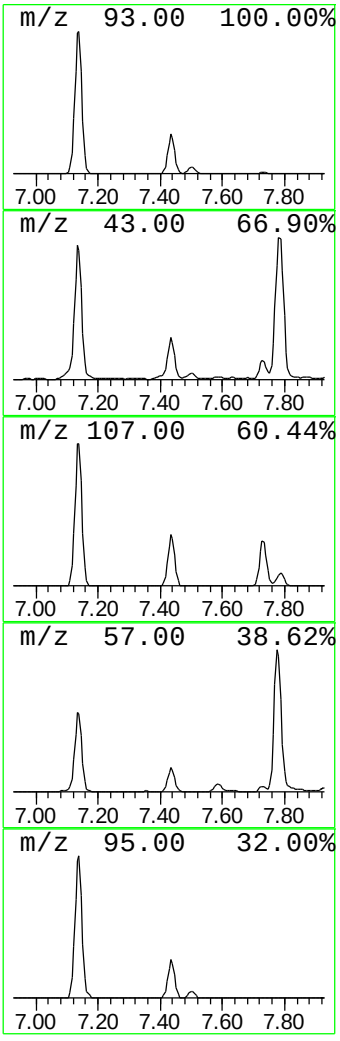
****

Peak Number 20 unknown-10 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	6.59 ng/ul	167854	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 1,4-dichloro-	142	C4H8Cl2O	002419-74-1	28
2	Bis(2-chloroethyl) ether	142	C4H8Cl2O	000111-44-4	23
3	Bis(2-chloroethyl) ether	142	C4H8Cl2O	000111-44-4	23
4	.alpha.-Phellandrene	136	C10H16	000099-83-2	12
5	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	9





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ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

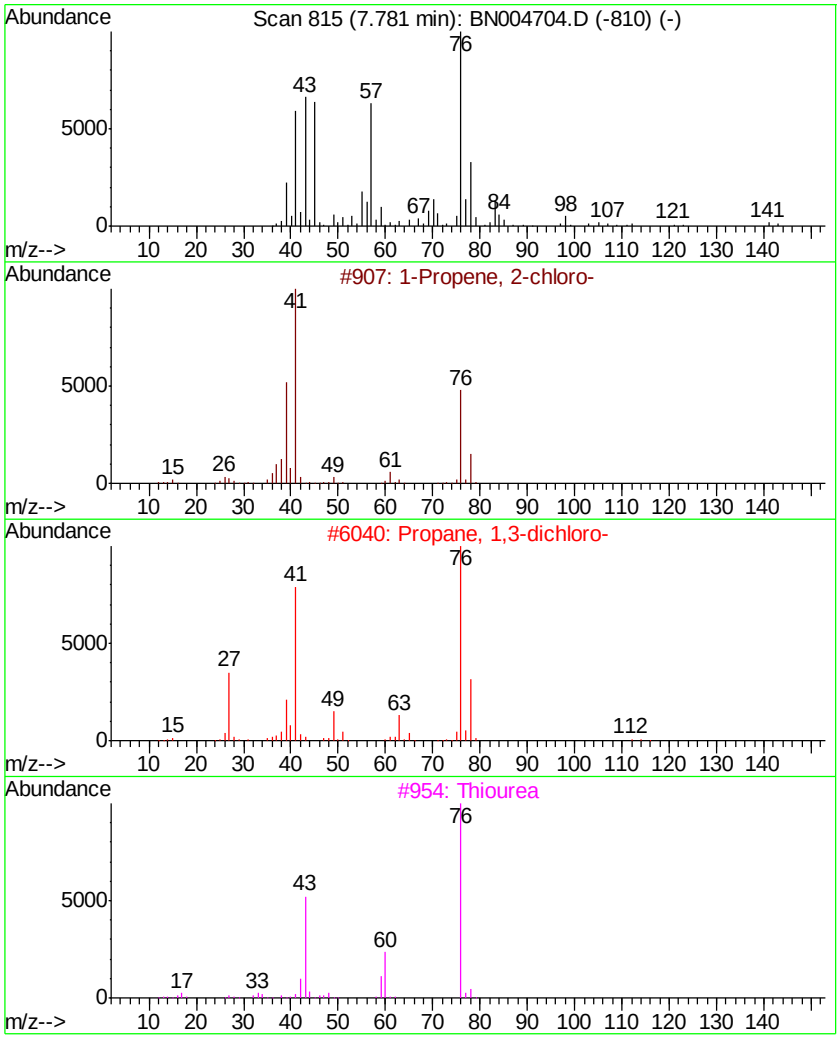
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

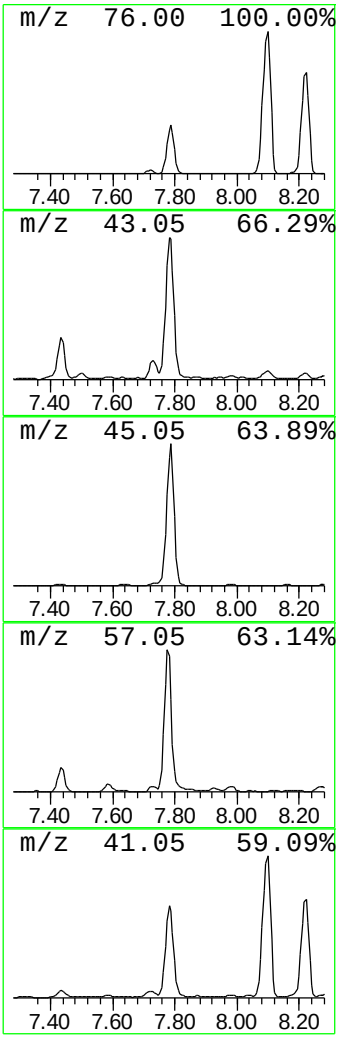
****

Peak Number 21 1-Propene, 2-chloro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	31.04 ng/ul	790966	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-chloro-	76	C3H5Cl	000557-98-2	64
2	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	50
3	Thiourea	76	CH4N2S	000062-56-6	45
4	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	39
5	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	39





Library Search Compound Report

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Acq On : 09 Mar 2019 09:41
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Sample : K1762-05
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Instrument : BNA_N
ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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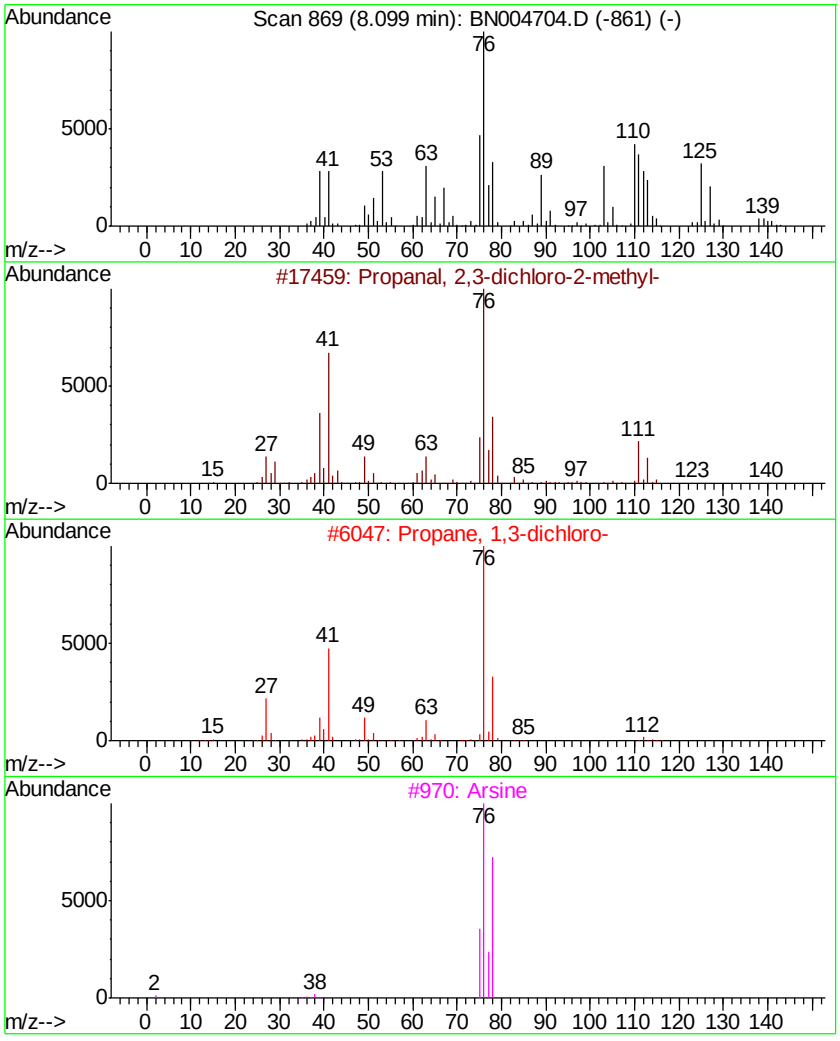
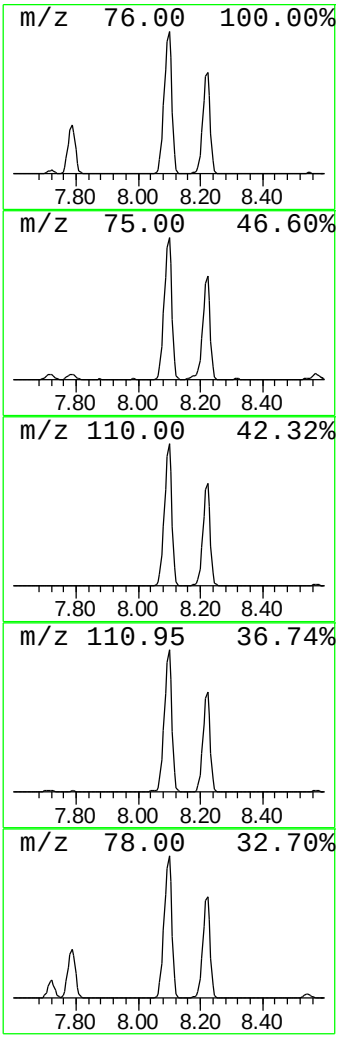
Peak Number 22 Propanal, 2,3-dichloro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	112.40 ng/ul	2864240	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2,3-dichloro-2-methyl-	140	C4H6Cl2O	010141-22-7	53
2	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	9
3	Arsine	78	AsH3	007784-42-1	9
4	(R,R)-Tartaric acid	150	C4H6O6	000087-69-4	9
5	Thiourea	76	CH4N2S	000062-56-6	5





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ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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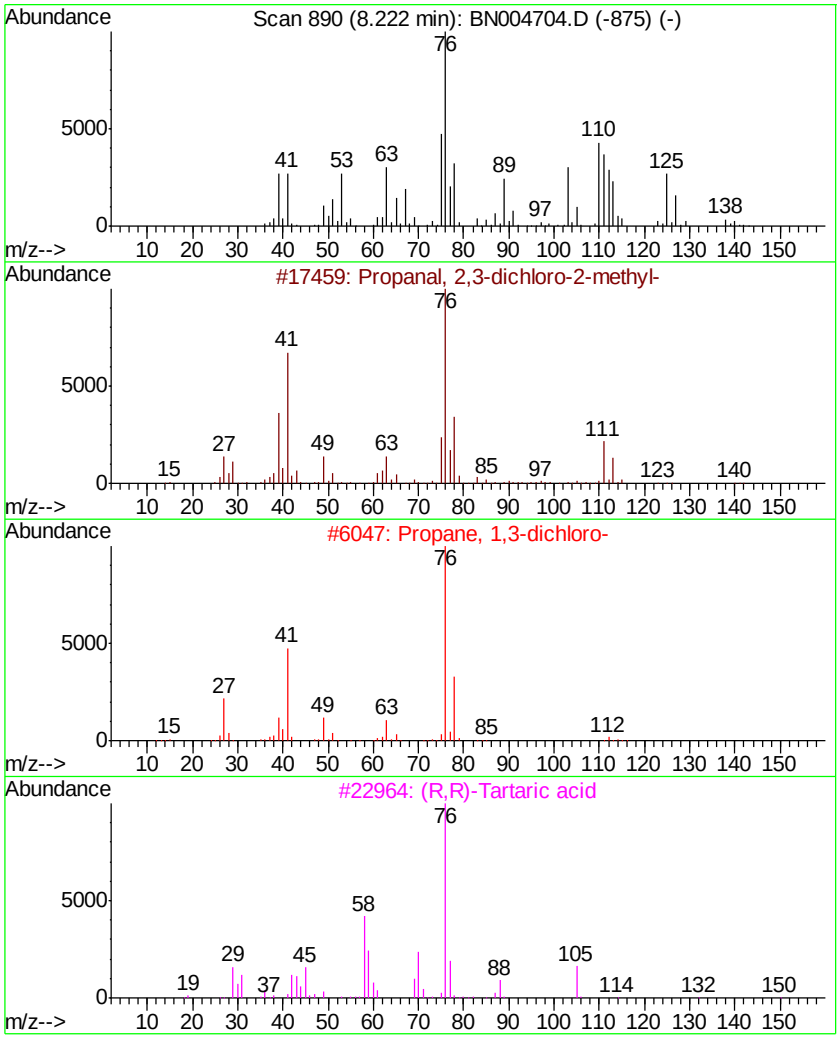
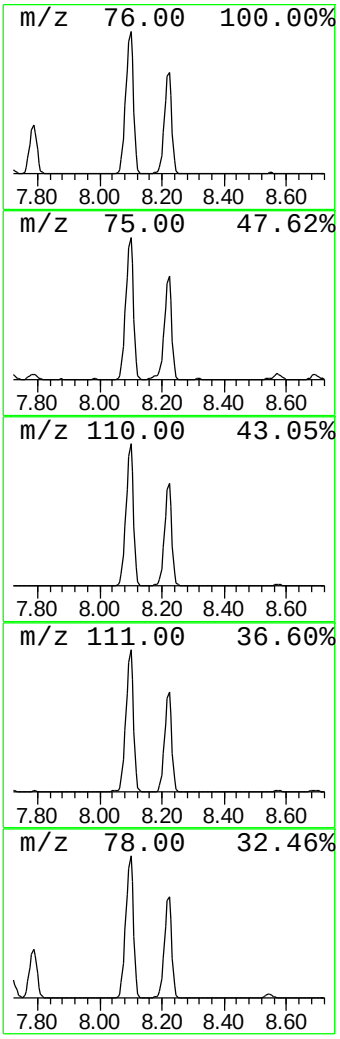
Peak Number 23 unknown-11 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	82.16 ng/ul	2093660	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2,3-dichloro-2-methyl-	140	C4H6Cl2O	010141-22-7	53
2	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	38
3	(R,R)-Tartaric acid	150	C4H6O6	000087-69-4	9
4	Thiourea	76	CH4N2S	000062-56-6	5
5	Carbon disulfide	76	CS2	000075-15-0	4





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

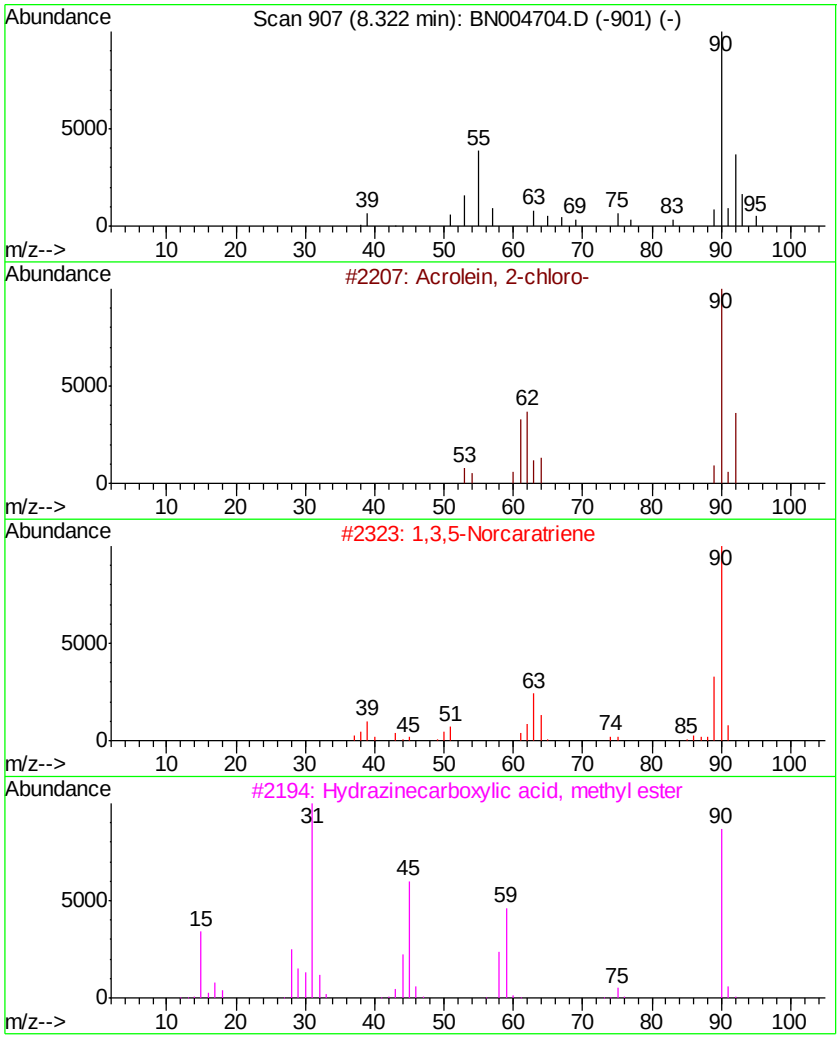
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

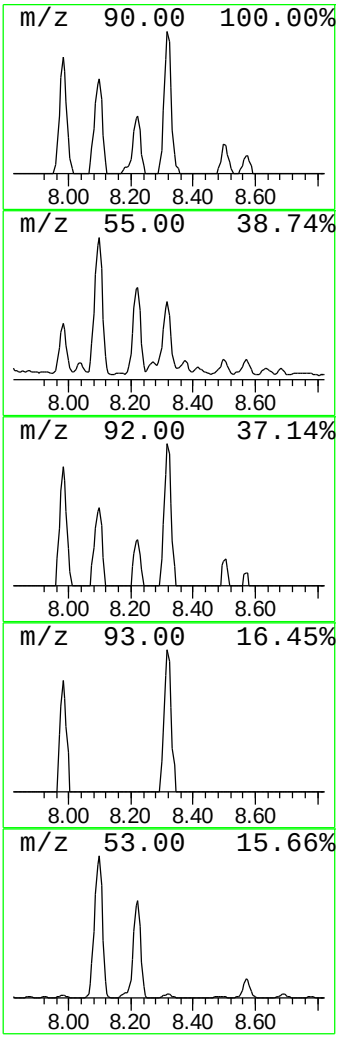
****

Peak Number 24 Acrolein, 2-chloro- Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	3.26 ng/ul	82994	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	72
2	1,3,5-Norcaratriene	90	C7H6	004646-69-9	9
3	Hydrazinecarboxylic acid, methyl...	90	C2H6N2O2	006294-89-9	9
4	Thiourea, methyl-	90	C2H6N2S	000598-52-7	4
5	Hydrazinecarboxylic acid, methyl...	90	C2H6N2O2	006294-89-9	3





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Misc :
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Instrument : BNA_N
ClientSampleId : C0959

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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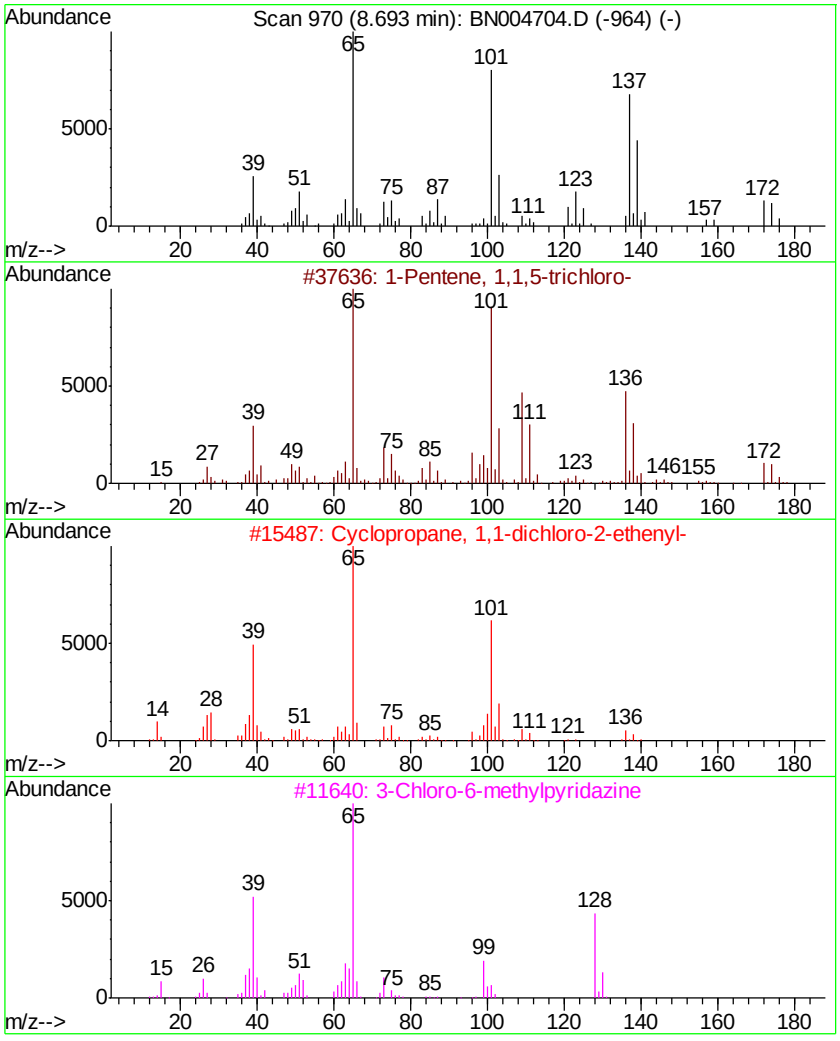
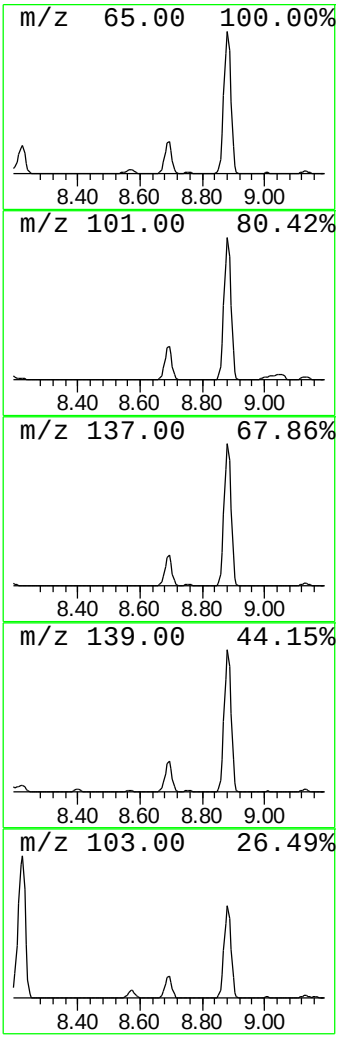
Peak Number 25 1-Pentene, 1,1,5-trichloro- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	11.31 ng/ul	288306	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 1,1,5-trichloro-	172	C5H7Cl3	002677-33-0	74
2	Cyclopropane, 1,1-dichloro-2-eth...	136	C5H6Cl2	000694-33-7	59
3	3-Chloro-6-methylpyridazine	128	C5H5ClN2	001121-79-5	47
4	Cyclopropanecarboxylic acid, 2,3...	216	C6H7Cl3O2	055937-90-1	38
5	m-Nitroaniline	138	C6H6N2O2	000099-09-2	37





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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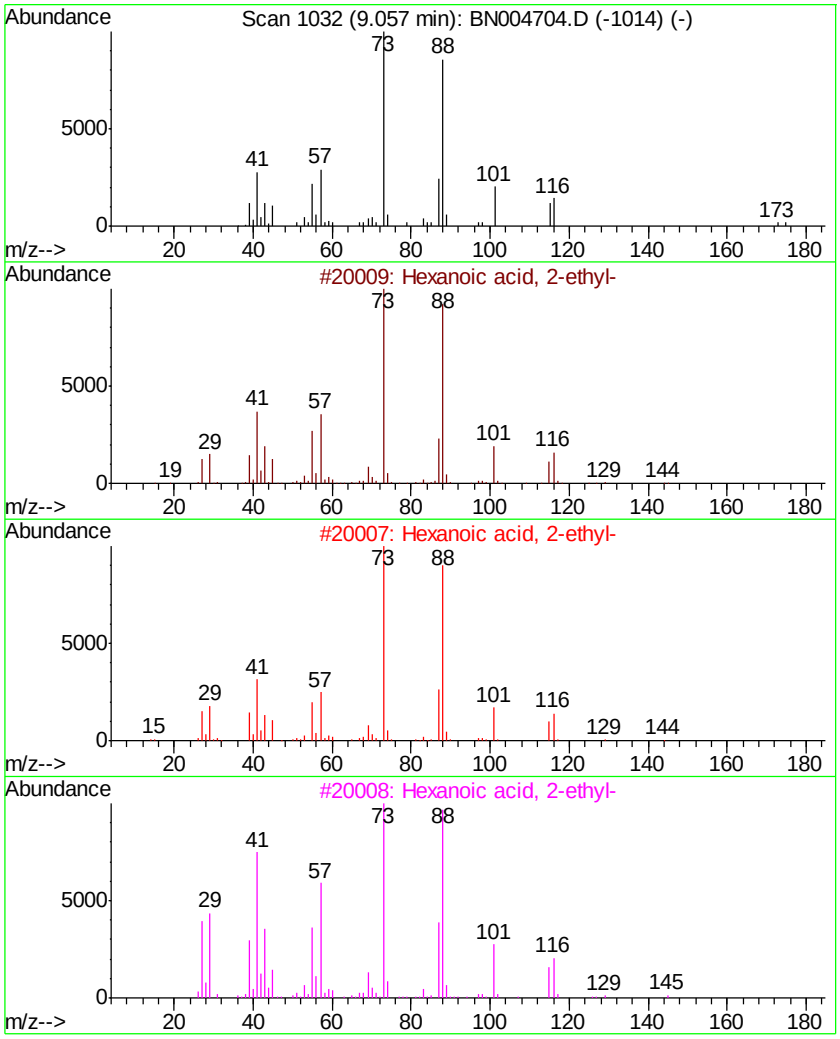
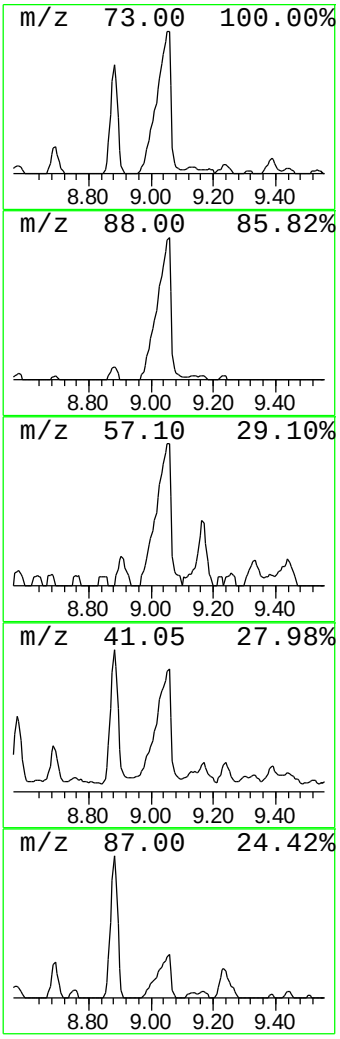
Peak Number 26 Hexanoic acid, 2-ethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	11.35 ng/ul	289253	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
3	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	72
4	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
5	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	45





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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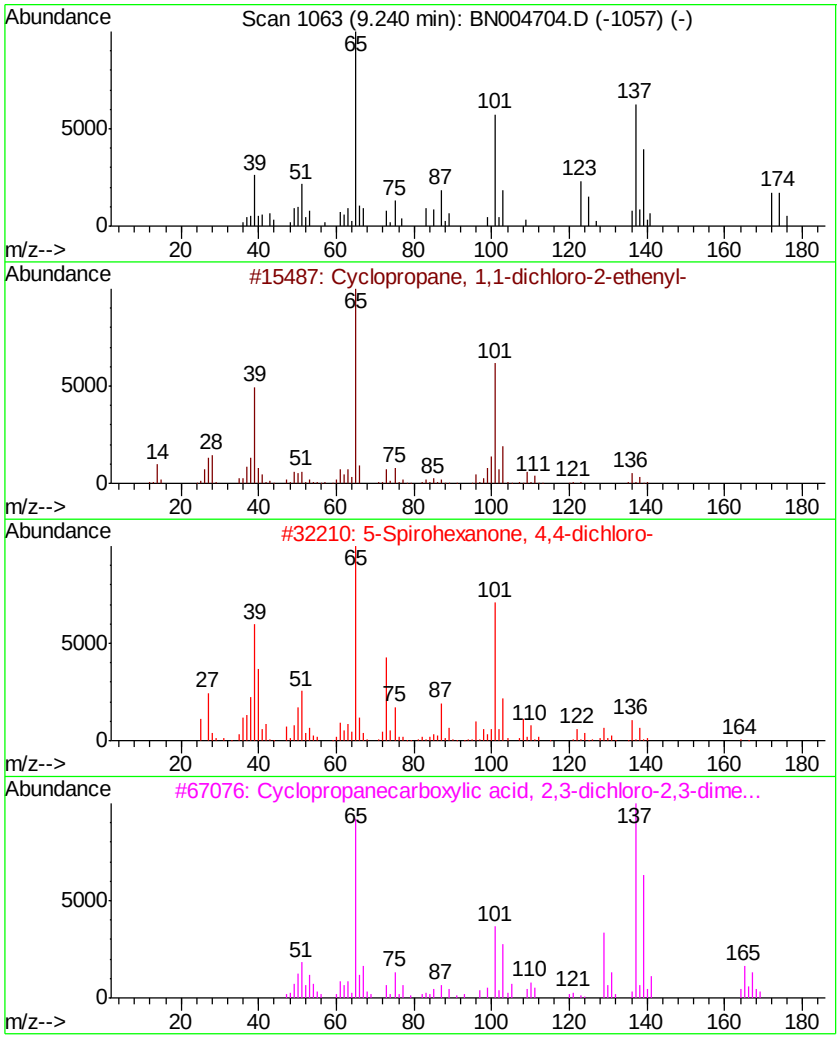
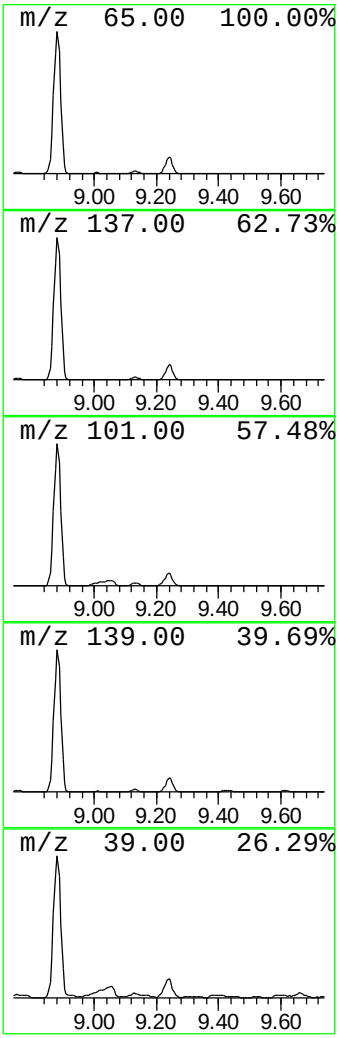
Peak Number 27 unknown-12 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	19.48 ng/ul	181012	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dichloro-2-eth...	136	C5H6Cl2	000694-33-7	45
2	5-Spirohexanone, 4,4-dichloro-	164	C6H6Cl2O	138469-23-5	42
3	Cyclopropanecarboxylic acid, 2,3...	216	C6H7Cl3O2	055937-90-1	38
4	3-Picoline, 6-nitro-	138	C6H6N2O2	001074-38-0	38
5	Phenol, 4-nitro-	139	C6H5NO3	000100-02-7	16





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ALS Vial : 32 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 28 Benzonitrile, 2-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	6.34 ng/ul	58928	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	94
2	Benzyl nitrile	117	C8H7N	000140-29-4	94
3	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	94
4	Benzyl nitrile	117	C8H7N	000140-29-4	94
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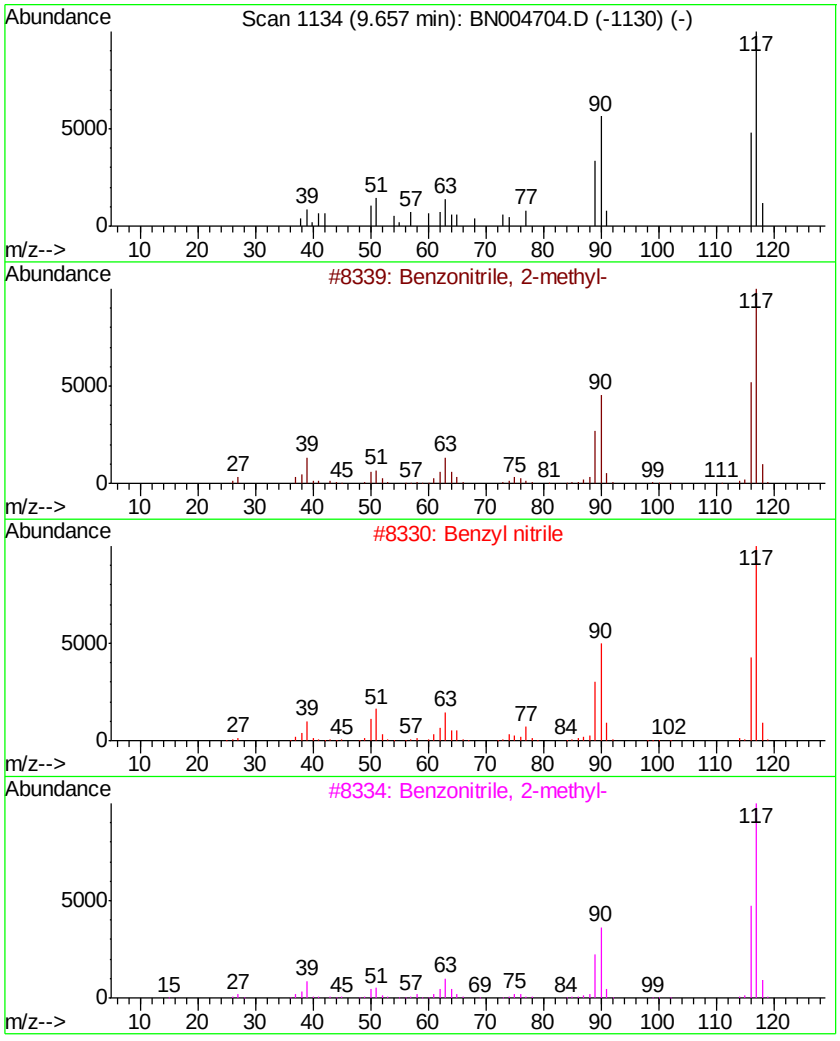

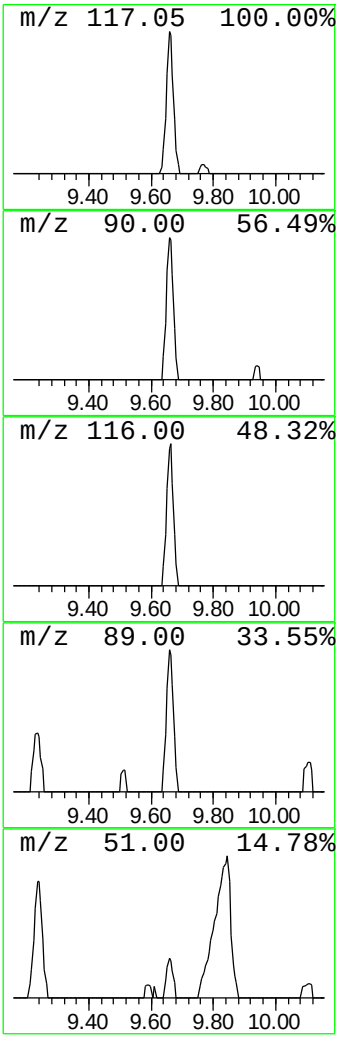

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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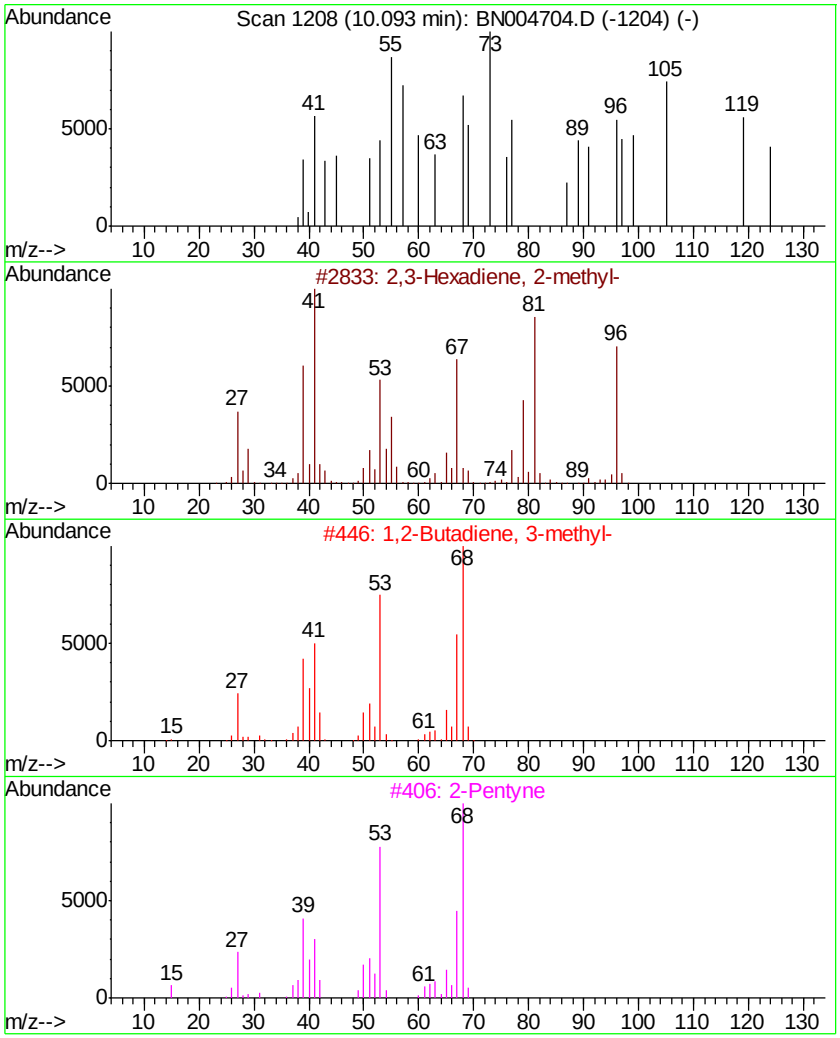
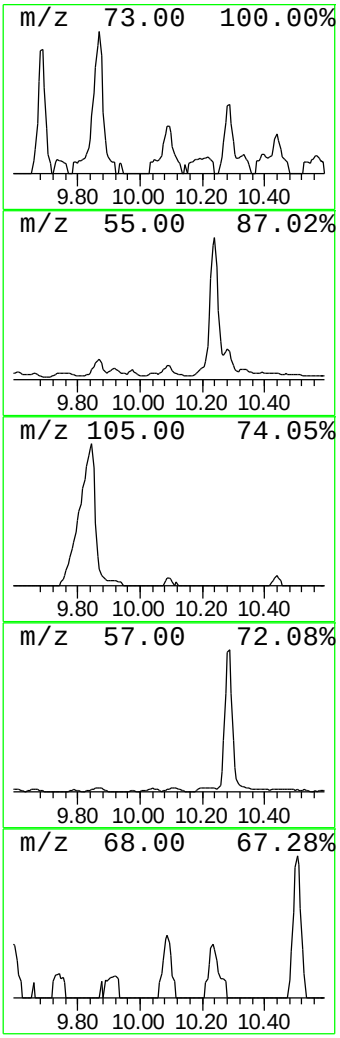
Peak Number 30 unknown-13 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	4.76 ng/ul	44272	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Hexadiene, 2-methyl-	96	C7H12	029212-09-7	27
2	1,2-Butadiene, 3-methyl-	68	C5H8	000598-25-4	9
3	2-Pentyne	68	C5H8	000627-21-4	9
4	2,3-Pentadiene	68	C5H8	000591-96-8	9
5	3-Ethenyl-3-methylcyclopentanone	124	C8H12O	049664-66-6	9





Tentatively Identified Compound (LSC) summary

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Sample : K1762-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0959

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Propanone, 1-ch...	3.02	2.4	ng/ul	60240	1	7.72	509639	20.0
Methane, dichloro...	3.76	2.3	ng/ul	58363	1	7.72	509639	20.0
unknown-01	3.88	3.0	ng/ul	75334	1	7.72	509639	20.0
1,1-Dimethyl-3-ch...	4.45	4.3	ng/ul	110851	1	7.72	509639	20.0
Butane, 2,3-dichl...	4.74	79.7	ng/ul	2029530	1	7.72	509639	20.0
unknown-02	4.94	4.8	ng/ul	122044	1	7.72	509639	20.0
1,3-Dichloro-2-bu...	4.98	8.8	ng/ul	224309	1	7.72	509639	20.0
Butane, 1,2-dichl...	5.11	3.9	ng/ul	99526	1	7.72	509639	20.0
unknown-03	5.17	3.1	ng/ul	78448	1	7.72	509639	20.0
2-Propanone, 1,3-...	5.52	13.5	ng/ul	343373	1	7.72	509639	20.0
unknown-04	5.80	3.4	ng/ul	86804	1	7.72	509639	20.0
unknown-05	5.93	9.7	ng/ul	247674	1	7.72	509639	20.0
unknown-06	6.01	182.6	ng/ul	4651970	1	7.72	509639	20.0
unknown-07	6.29	18.8	ng/ul	479510	1	7.72	509639	20.0
unknown-08	6.43	9.1	ng/ul	231827	1	7.72	509639	20.0
unknown-09	6.76	4.3	ng/ul	108371	1	7.72	509639	20.0
Cyclopentene, 1-c...	7.00	7.0	ng/ul	177080	1	7.72	509639	20.0
unknown-10	7.43	6.6	ng/ul	167854	1	7.72	509639	20.0
1-Propene, 2-chloro-	7.78	31.0	ng/ul	790966	1	7.72	509639	20.0
Propanal, 2,3-dic...	8.10	112.4	ng/ul	2864240	1	7.72	509639	20.0
unknown-11	8.22	82.2	ng/ul	2093660	1	7.72	509639	20.0
Acrolein, 2-chloro-	8.32	3.3	ng/ul	82994	1	7.72	509639	20.0
1-Pentene, 1,1,5-...	8.69	11.3	ng/ul	288306	1	7.72	509639	20.0
Hexanoic acid, 2-...	9.06	11.4	ng/ul	289253	1	7.72	509639	20.0
unknown-12	9.24	19.5	ng/ul	181012	2	10.50	185892	20.0
Benzonitrile, 2-m...	9.66	6.3	ng/ul	58928	2	10.50	185892	20.0
unknown-13	10.09	4.8	ng/ul	44272	2	10.50	185892	20.0