LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

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_R\METHODS\SOMRTR121718WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.789	15	18	44	rVB4	166917	613751	1.92%	0.415%
2	2.628	145	156	167	rBV2	131728	373494	1.17%	0.253%
3	3.303	258	267	277	rBV	519541	1277831	4.00%	0.864%
4	3.601	307	316	334	rBV	223952	847212	2.66%	0.573%
5	7.203	898	908	926	rBV	297891	811834	2.54%	0.549%
6	7.519	947	960	973	rBV3	193144	584597	1.83%	0.395%
7	7.854	1006	1015	1018	rBV	602896	1239184	3.88%	0.838%
8	7.909	1018	1024	1038	rVB	1246004	3068738	9.62%	2.075%
9	8.462	1107	1115	1125	rBV	652735	1263368	3.96%	0.854%
10	8.900	1178	1187	1193	rBV	380101	800024	2.51%	0.541%
11	9.971	1356	1363	1371	rBV	1074448	1761964	5.52%	1.191%
12	10.318	1413	1420	1428	rVB2	207972	367040	1.15%	0.248%
13	10.592	1458	1465	1474	rBV	438405	727125	2.28%	0.492%
14	10.804	1490	1500	1502	rBV2	207435	479438	1.50%	0.324%
15	10.835	1502	1505	1509	rVV	282482	413318	1.30%	0.279%
16	10.890	1509	1514	1519	rVB	368916	604079	1.89%	0.408%
17	11.096	1542	1548	1559	rVB2	386680	719791	2.26%	0.487%
18	11.291	1574	1580	1589	rBV	964065	1634630	5.12%	1.105%
19	11.382	1589	1595	1599	rVV2	311905	639657	2.00%	0.432%
20	11.425	1599	1602	1606	rVV2	406096	580915	1.82%	0.393%
21	11.480	1606	1611	1614	rVV2	313263	531257	1.66%	0.359%
22	11.541	1614	1621	1626	rVV3	847982	2058781	6.45%	1.392%
23	11.583	1626	1628	1633	rVB	337131	388360	1.22%	0.263%
24	11.699	1641	1647	1652	rBV	398076	612793	1.92%	0.414%
25	11.802	1657	1664	1669	rBV2	1105518	2331843	7.31%	1.577%
26	11.851	1669	1672	1676	rVV	550901	958166	3.00%	0.648%
27	11.887	1676	1678	1685	rVB2	324028	442670	1.39%	0.299%
28	11.966	1685	1691	1693	rBV	472948	732348	2.30%	0.495%
29	12.003	1693	1697	1702	rVB	843339	1268166	3.97%	0.857%
30	12.052	1702	1705	1707	rBV	261750	352433	1.10%	0.238%
31	12.082	1707	1710	1713	rVV2	493981	749114	2.35%	0.506%
32	12.131	1713	1718	1726	rVB	20399417	31909033	100.00%	21.573%
33	12.222	1730	1733	1738	rVB2	334954	489951	1.54%	0.331%
34	12.356	1749	1755	1761	rBV3	831391	1835094	5.75%	1.241%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

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_R\METHODS\SOMRTR121718WMA.M
Title : TRACE VOA SOM01.0

35	12.471	1761	1774	1781	rBV	17881189	29610854	92.80%	20.019%
36	12.611	1791	1797	1803	rVB5	523107	1112673	3.49%	0.752%
37	12.745	1815	1819	1822	rBV4	221235	332126	1.04%	0.225%
38	12.842	1829	1835	1837	rBV	646603	1047804	3.28%	0.708%
39	12.873	1837	1840	1845	rVB	903257	1249856	3.92%	0.845%
40	13.049	1863	1869	1873	rBV2	1260155	2678477	8.39%	1.811%
41	13.086	1873	1875	1883	rVB4	353441	595830	1.87%	0.403%
42	13.226	1892	1898	1905	rBV	864290	1393116	4.37%	0.942%
43	13.323	1911	1914	1920	rBV	440312	770131	2.41%	0.521%
44	13.396	1920	1926	1928	rVV	7126889	10628622	33.31%	7.186%
45	13.420	1928	1930	1935	rVV	8352113	10996318	34.46%	7.434%
46	13.475	1935	1939	1943	rVV	1523150	2381688	7.46%	1.610%
47	13.518	1943	1946	1947	rVV	785887	1017432	3.19%	0.688%
48	13.548	1947	1951	1957	rVB2	1677085	3050352	9.56%	2.062%
49	13.767	1981	1987	1993	rBV	5984239	8256829	25.88%	5.582%
50	13.828	1993	1997	2000	rVV	361089	569754	1.79%	0.385%
51	13.871	2000	2004	2009	rVV2	1320841	2216587	6.95%	1.499%
52	13.919	2009	2012	2021	rVB4	529621	1038327	3.25%	0.702%
53	14.010	2021	2027	2031	rBV	688828	965479	3.03%	0.653%
54	14.090	2031	2040	2049	rVB2	1508773	2975361	9.32%	2.012%
55	14.461	2096	2101	2109	rBV2	854170	1556735	4.88%	1.052%

Sum of corrected areas: 147912350

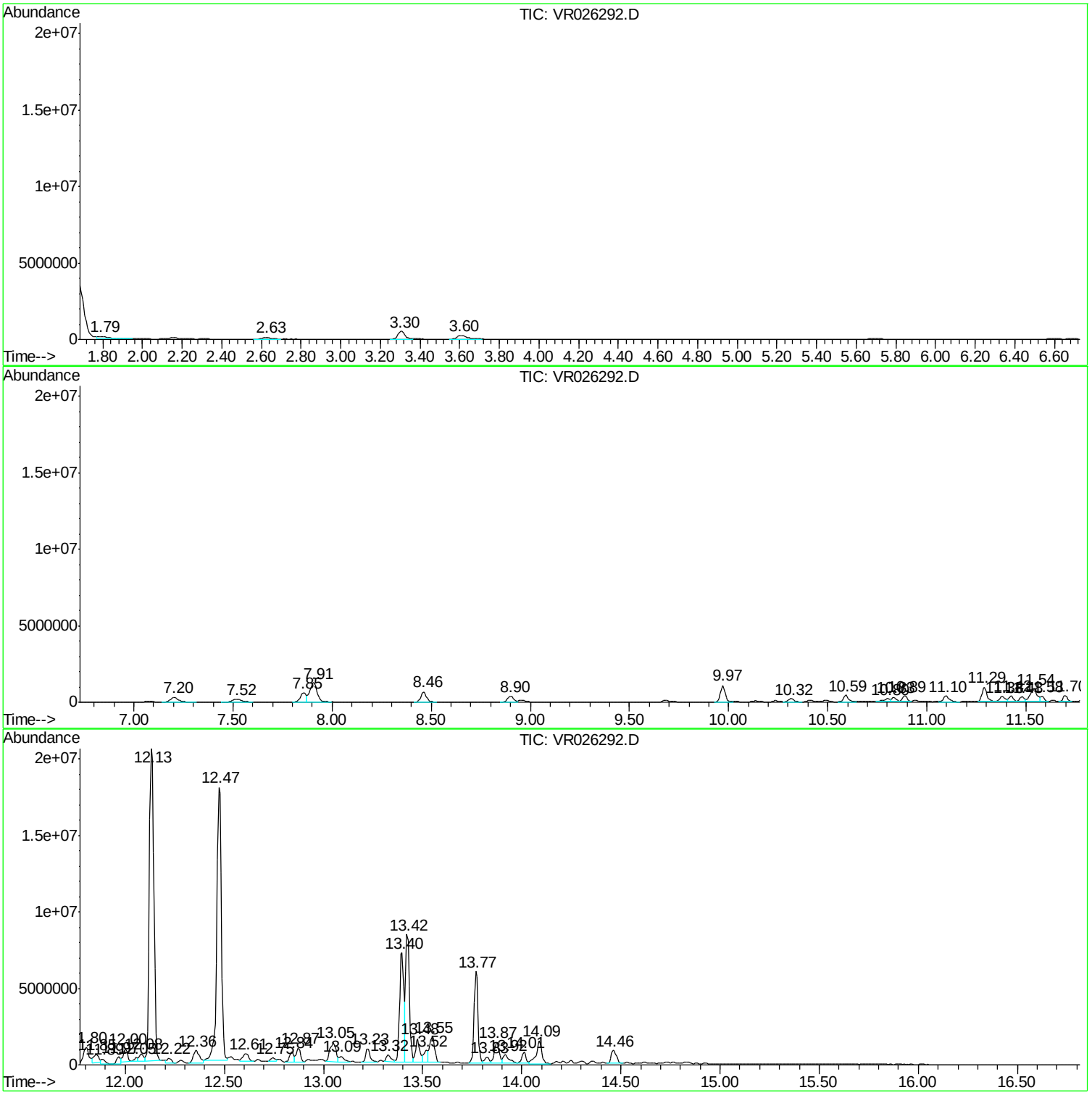
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

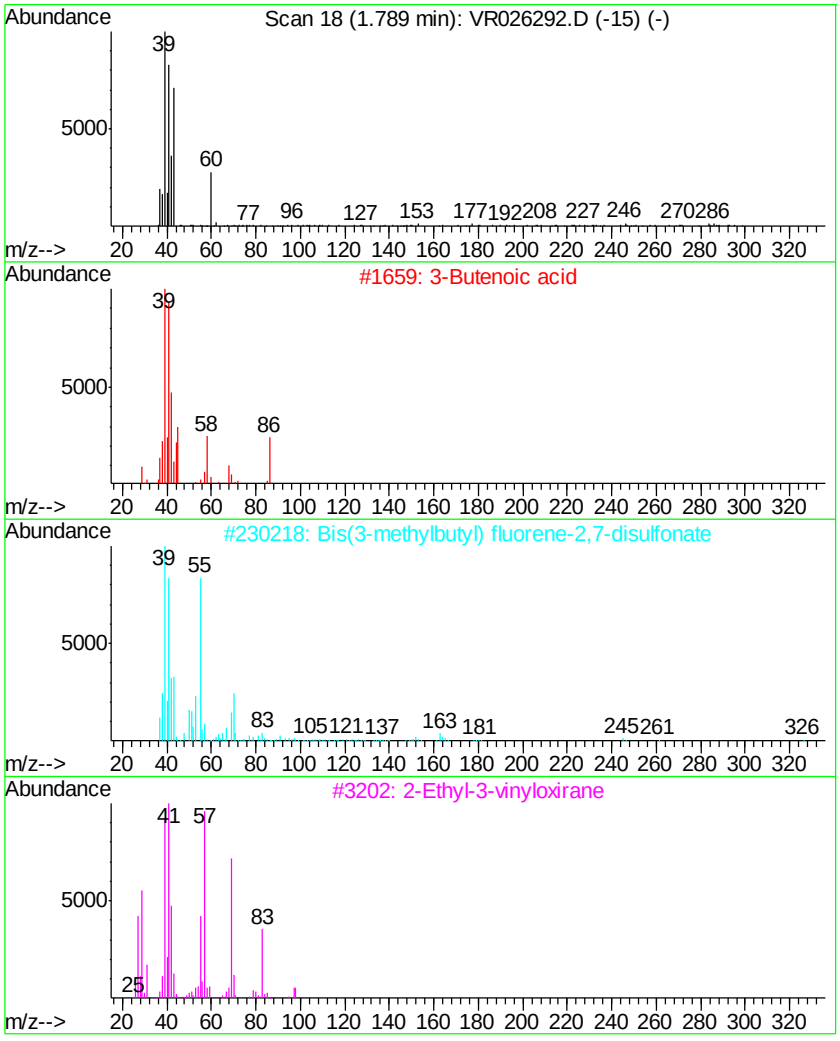
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

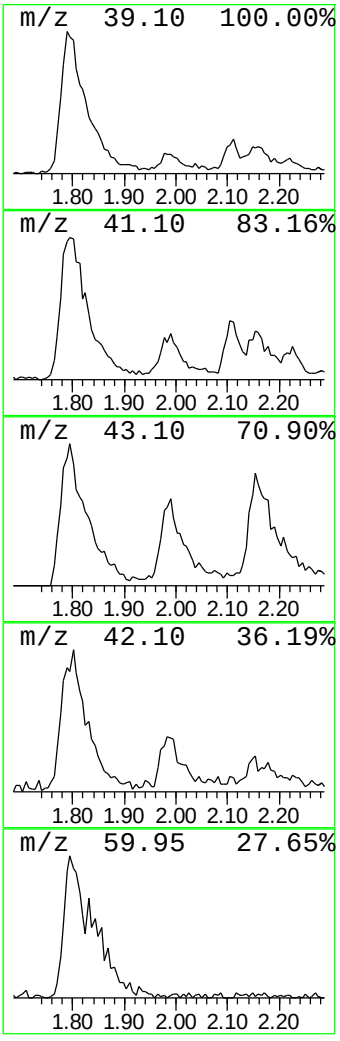
****

Peak Number 1 3-Butenoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	2.43 ug/L	613751	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid	86	C4H6O2	000625-38-7	64
2	Bis(3-methylbutyl) fluorene-2,7-...	466	C23H30O6S2	253664-95-8	40
3	2-Ethyl-3-vinyloxirane	98	C6H10O	034485-78-4	9
4	Furan, 2,3-dihydro-	70	C4H6O	001191-99-7	9
5	2-Nonynoic acid	154	C9H14O2	001846-70-4	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

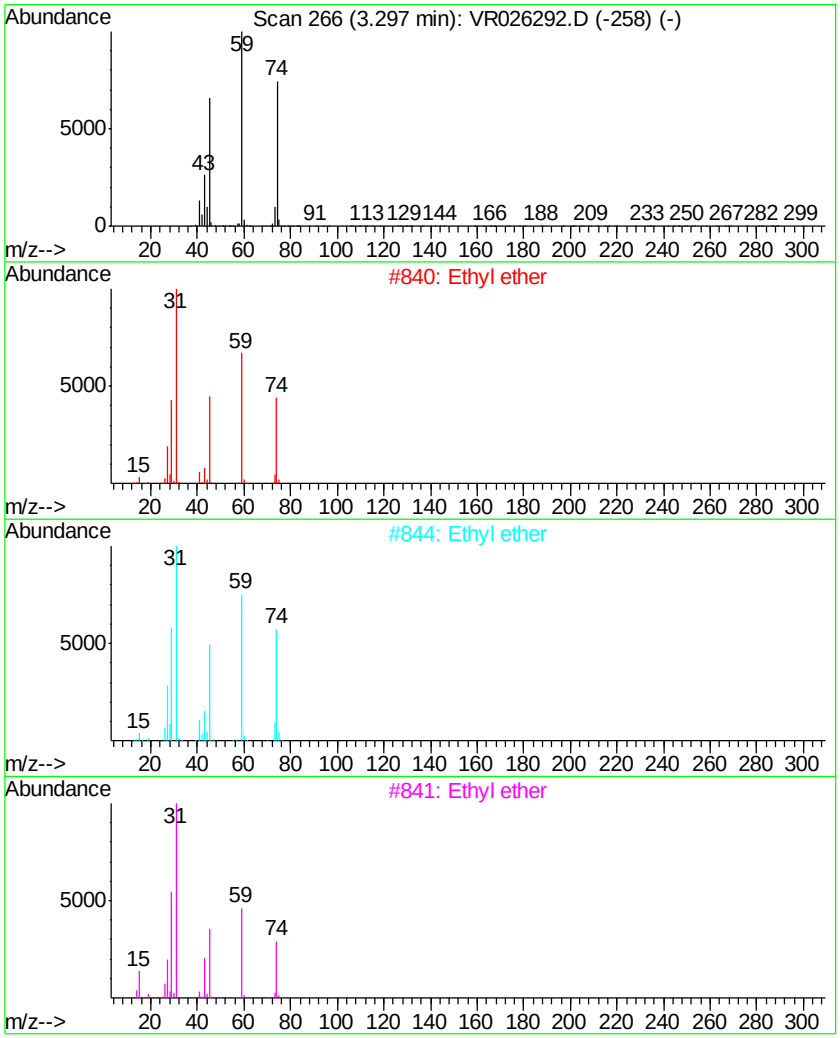
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

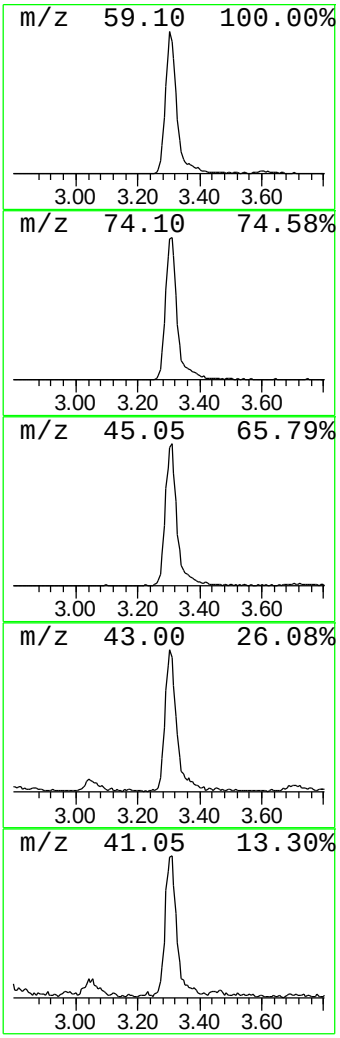
****

Peak Number 2 Ethyl ether Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	5.06 ug/L	1277830	1,4-Difluorobenzene	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	83
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	72
5	Hydrazine, trimethyl-	74	C3H10N2	001741-01-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

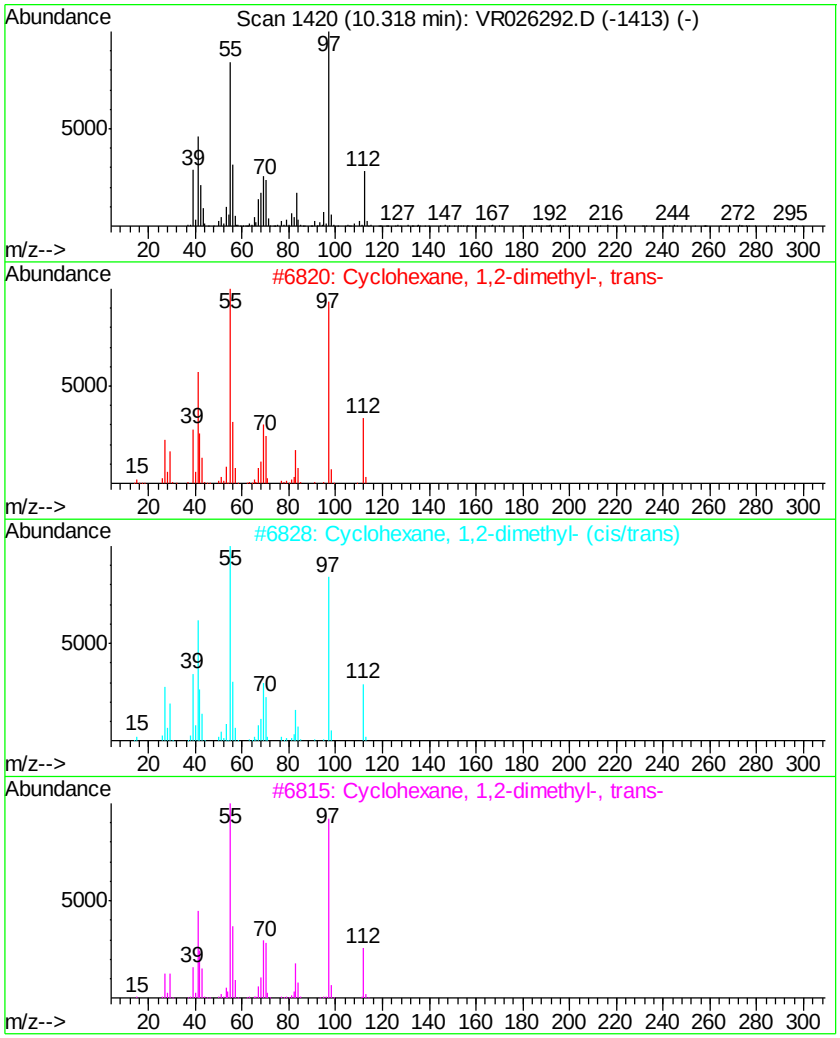
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

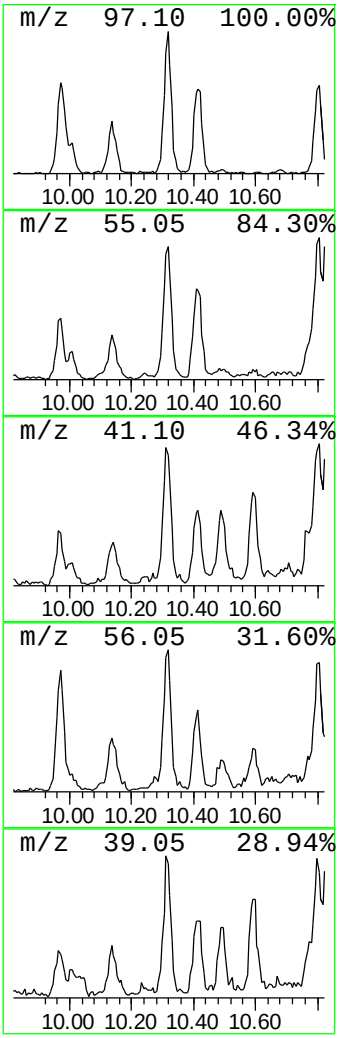
****

Peak Number 3 (DEL) Alkane: Cyclic10.32 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	1.12 ug/L	367040	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

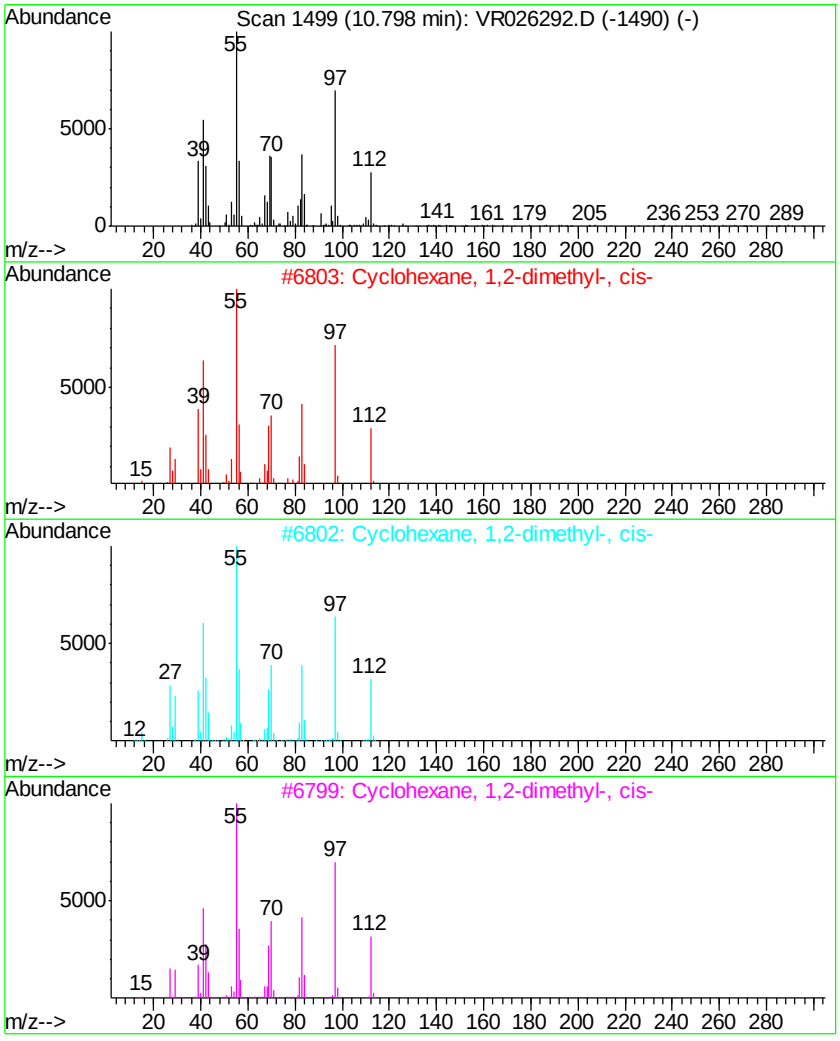
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

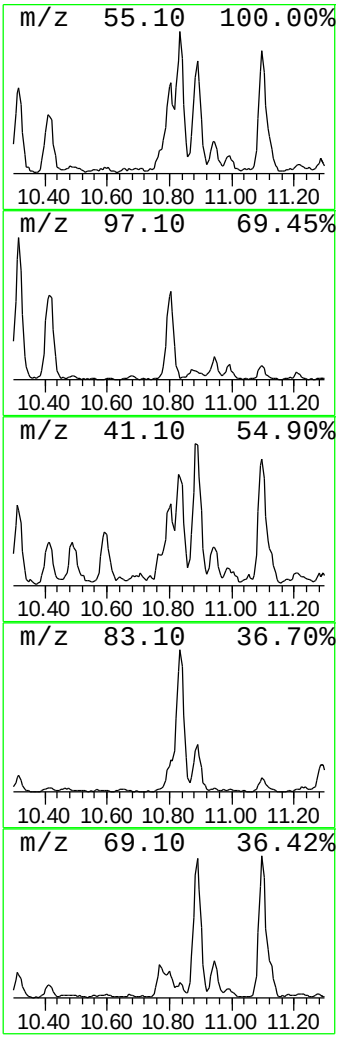
****

Peak Number 4 (DEL) Alkane: Cyclic10.80 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	1.47 ug/L	479438	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	96
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

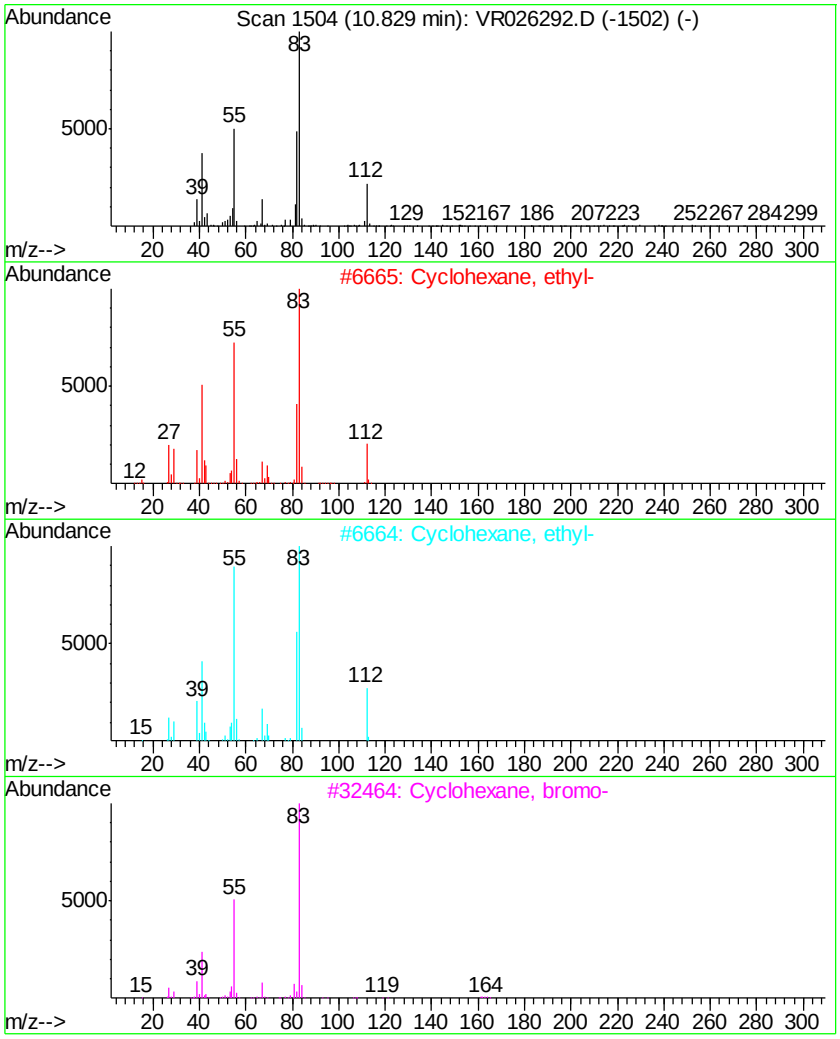
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

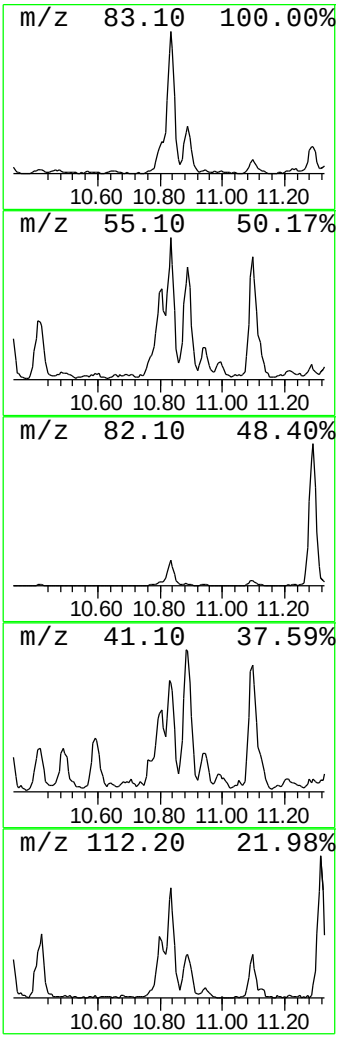
****

Peak Number 5 (DEL) Alkane: Cyclic10.83 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	1.26 ug/L	413318	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
3	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	50
4	(E)-4-Oxohex-2-enal	112	C6H8O2	1000374-04-2	50
5	2,4-Dimethyl-3-hexene(c,t)	112	C8H16	1000118-16-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

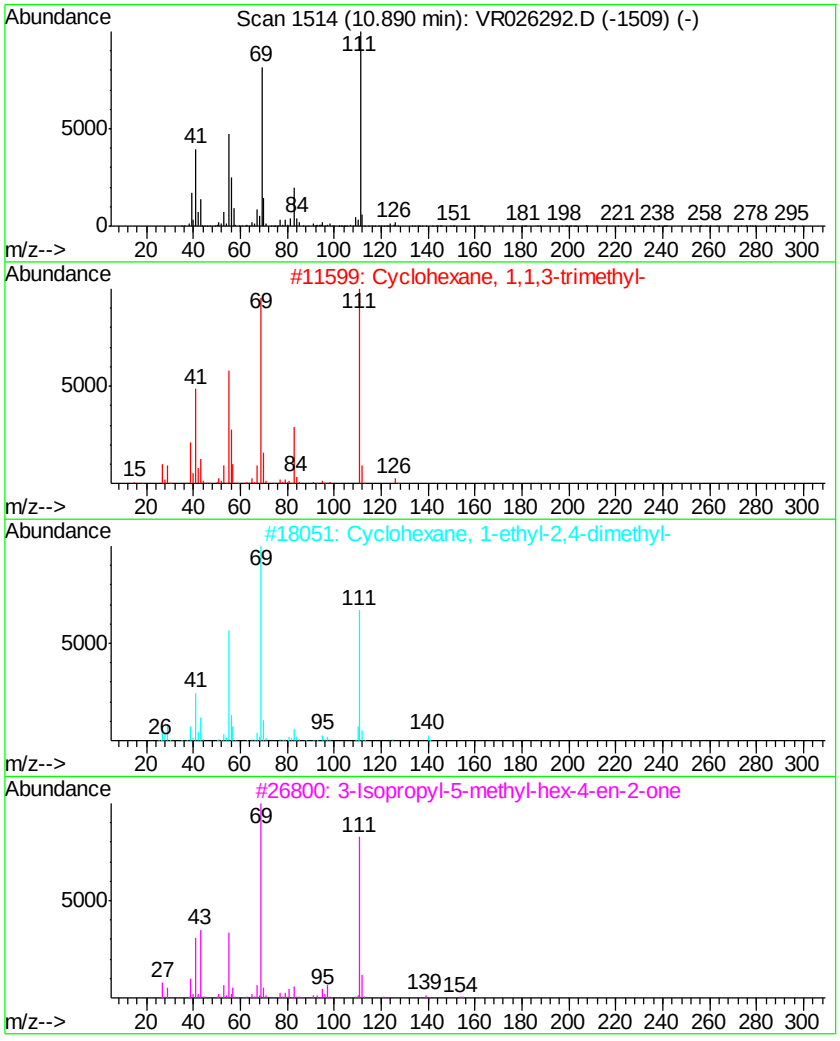
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

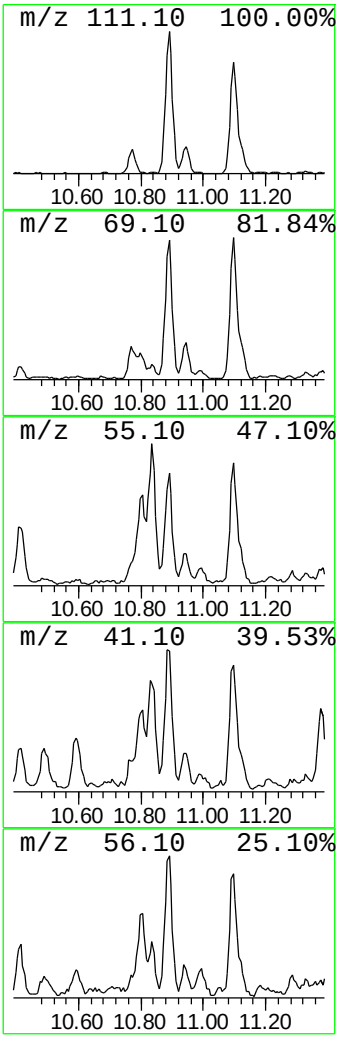
****

Peak Number 6 (DEL) Alkane: Cyclic10.89 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	1.85 ug/L	604079	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	64
3	3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	59
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	59
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

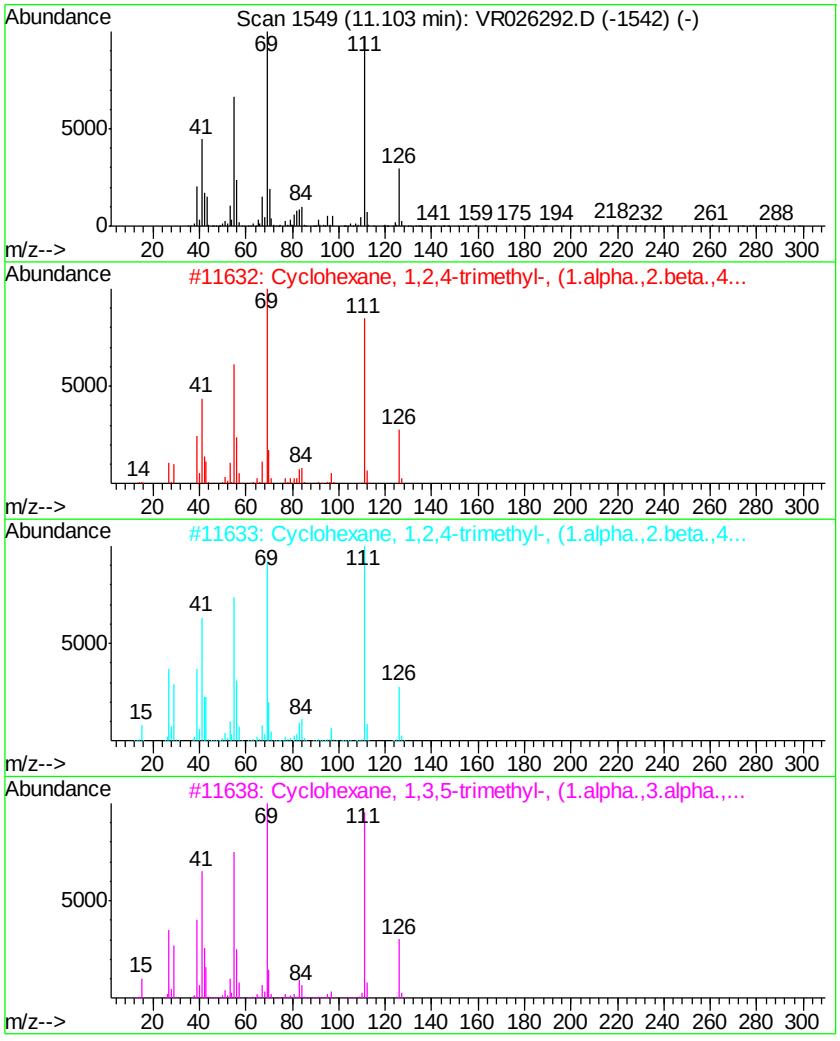
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

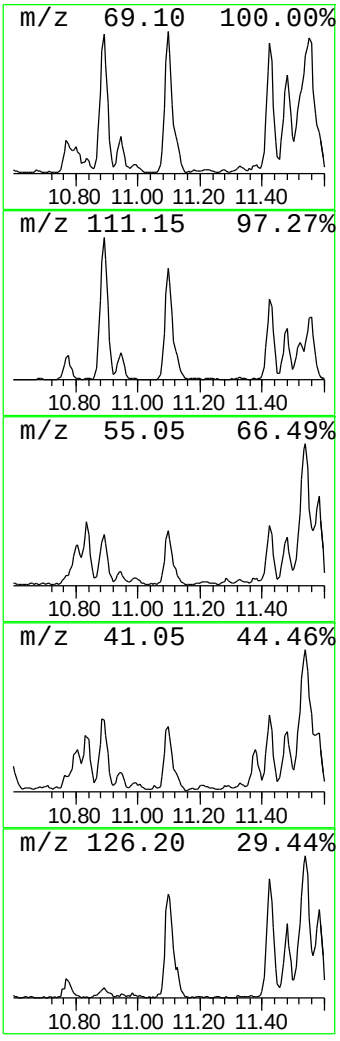
****

Peak Number 7 (DEL) Alkane: Cyclic11.10 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.20 ug/L	719791	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

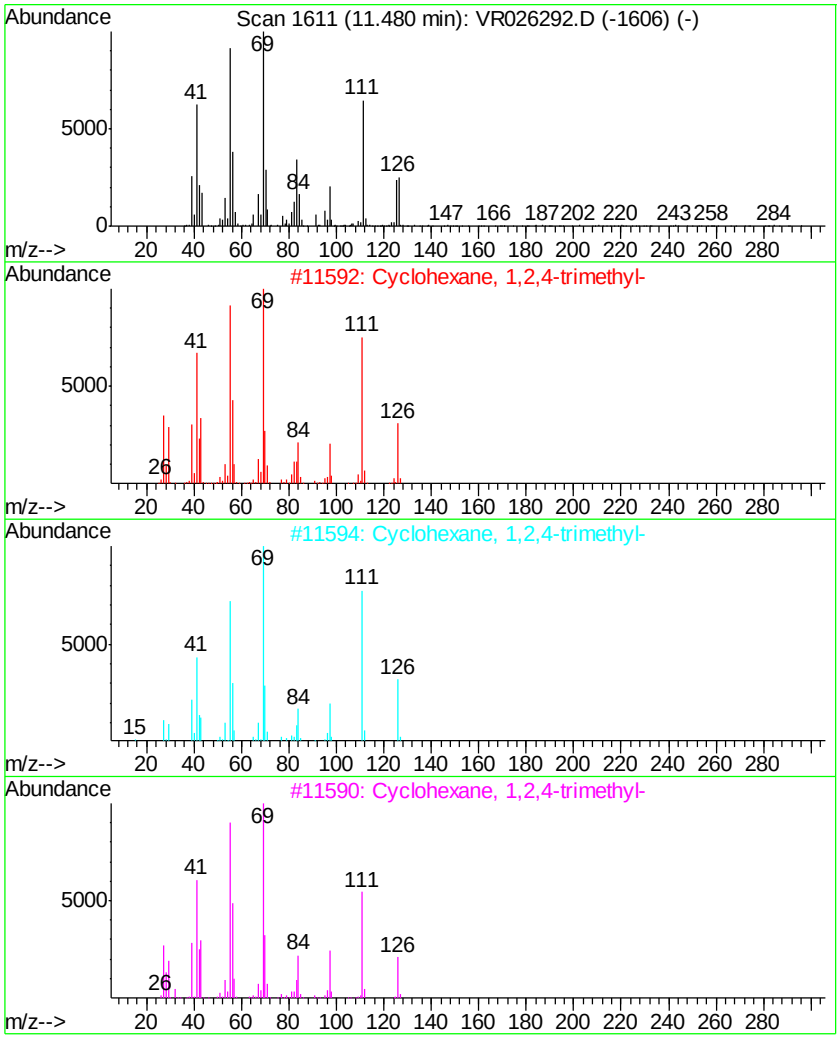
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

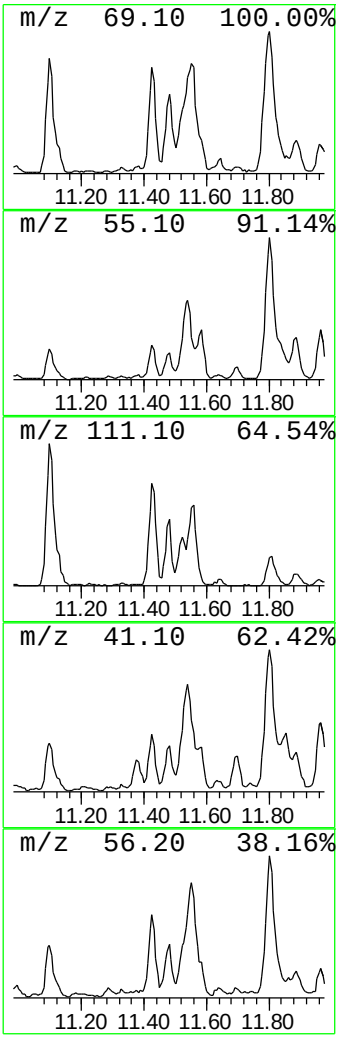
****

Peak Number 8 (DEL) Alkane: Cyclic11.48 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	1.63 ug/L	531257	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	80
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	70





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Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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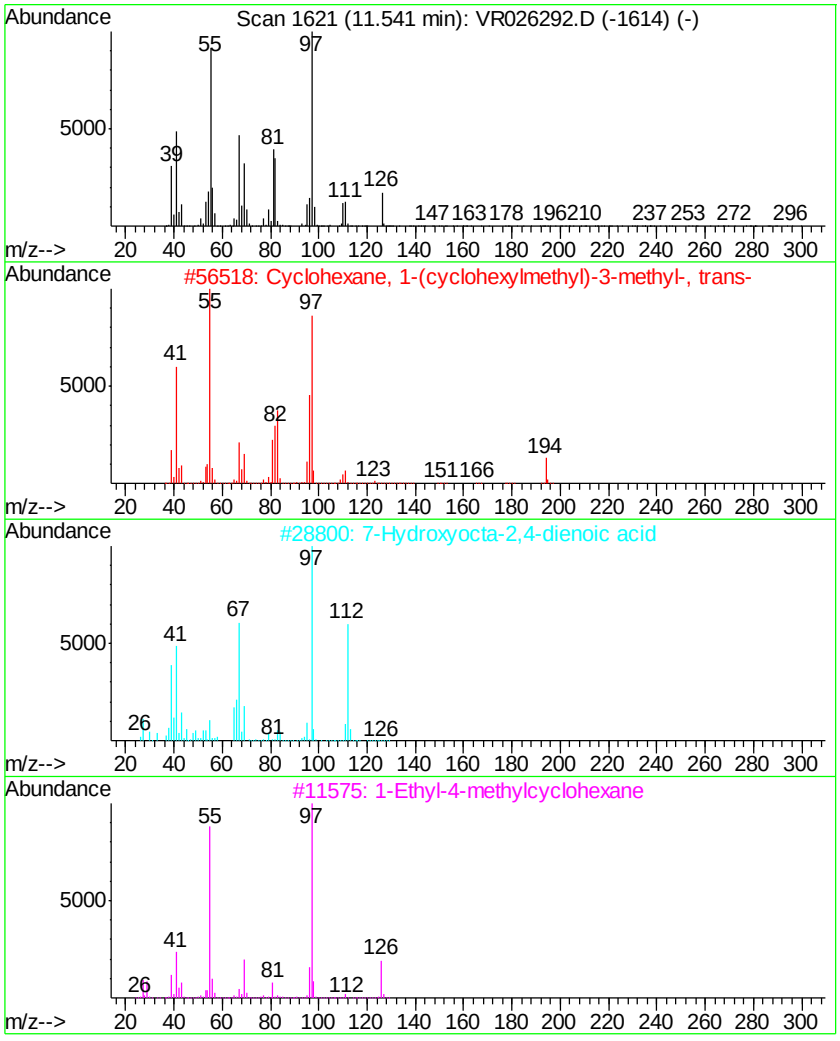
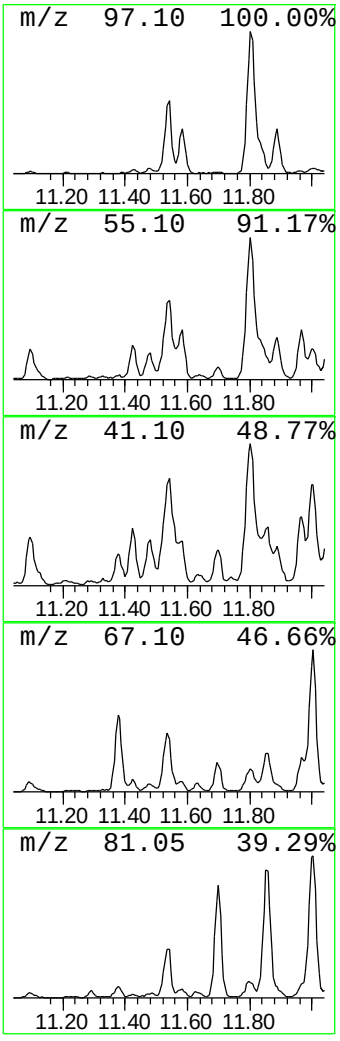
Peak Number 9 Cyclohexane, 1-(cyclohexylm... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	6.30 ug/L	2058780	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-95-9	53
2	7-Hydroxyocta-2,4-dienoic acid	156	C8H12O3	1000191-79-4	50
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	46
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	43
5	2,4-Pentadien-1-ol, 3-propyl-, (...	126	C8H14O	1000142-17-9	43





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Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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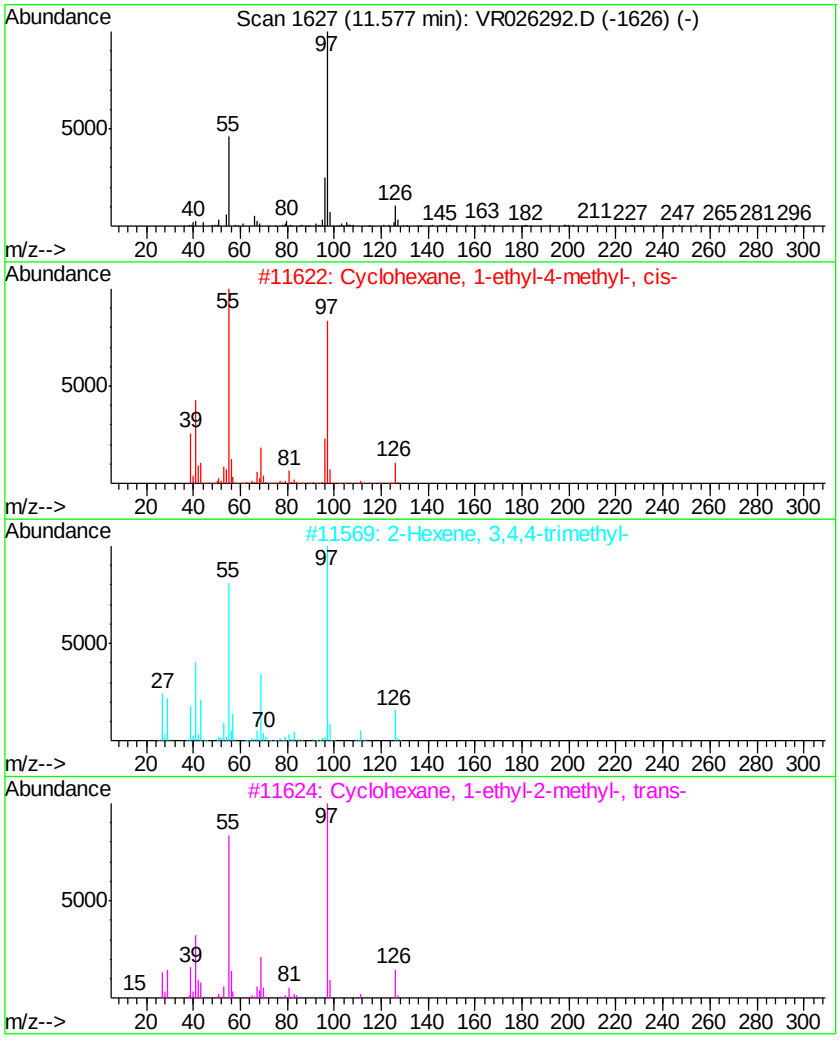
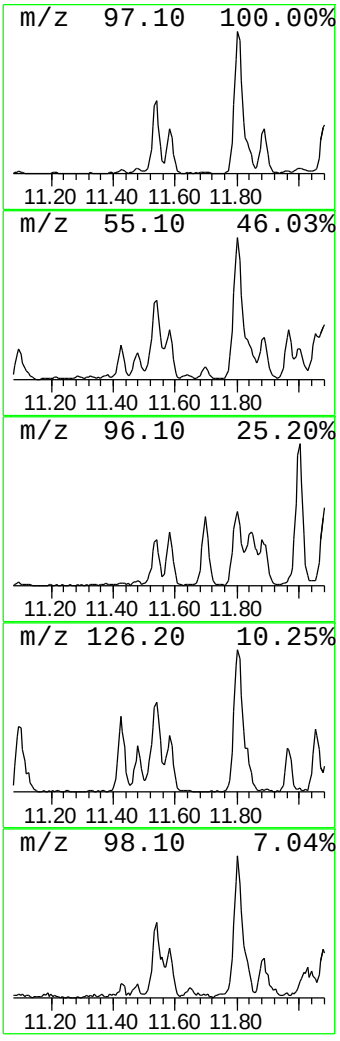
Peak Number 10 (DEL) Alkane: Cyclic11.58 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	1.19 ug/L	388360	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	59
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	59
4	4-Octen-3-one	126	C8H14O	014129-48-7	59
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50





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Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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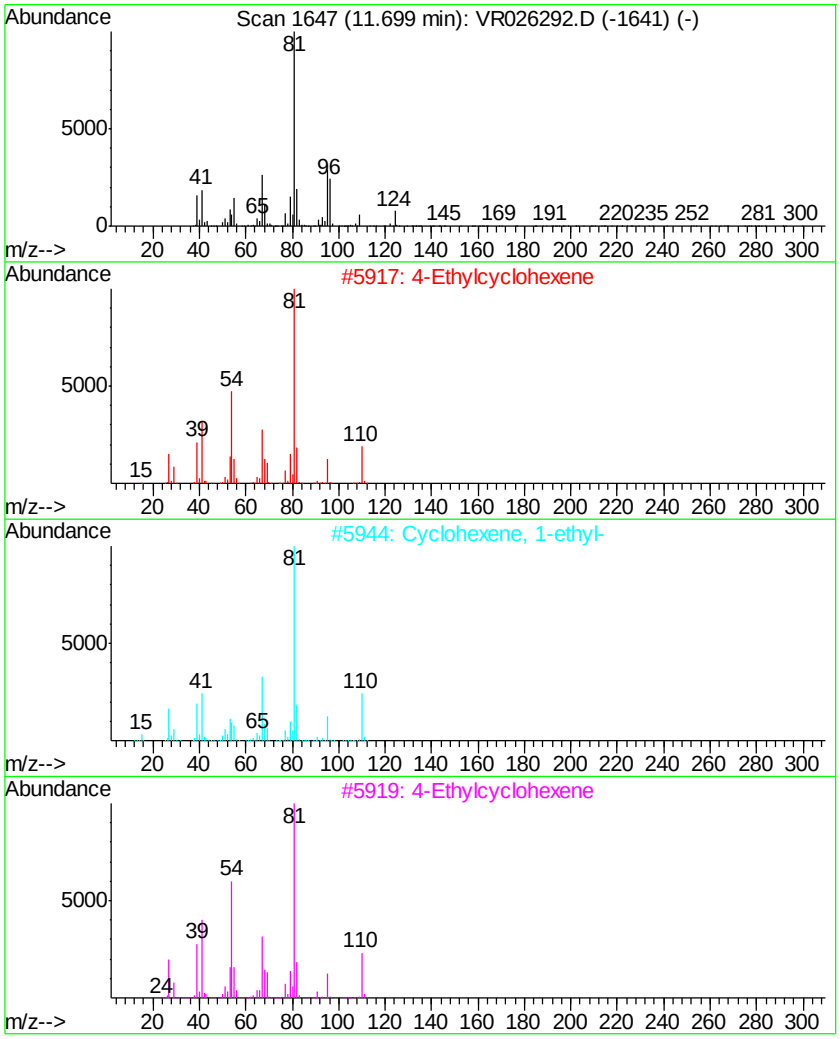
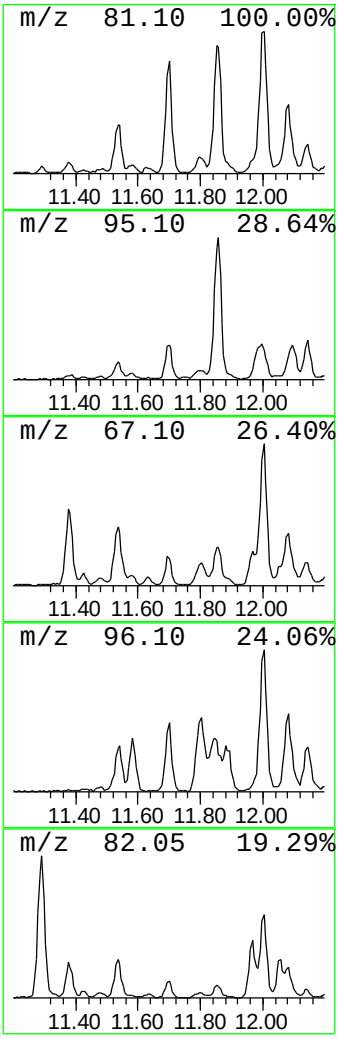
Peak Number 11 4-Ethylcyclohexene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	1.87 ug/L	612793	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylcyclohexene	110	C8H14	003742-42-5	64
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	59
3	4-Ethylcyclohexene	110	C8H14	003742-42-5	59
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
5	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	53





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Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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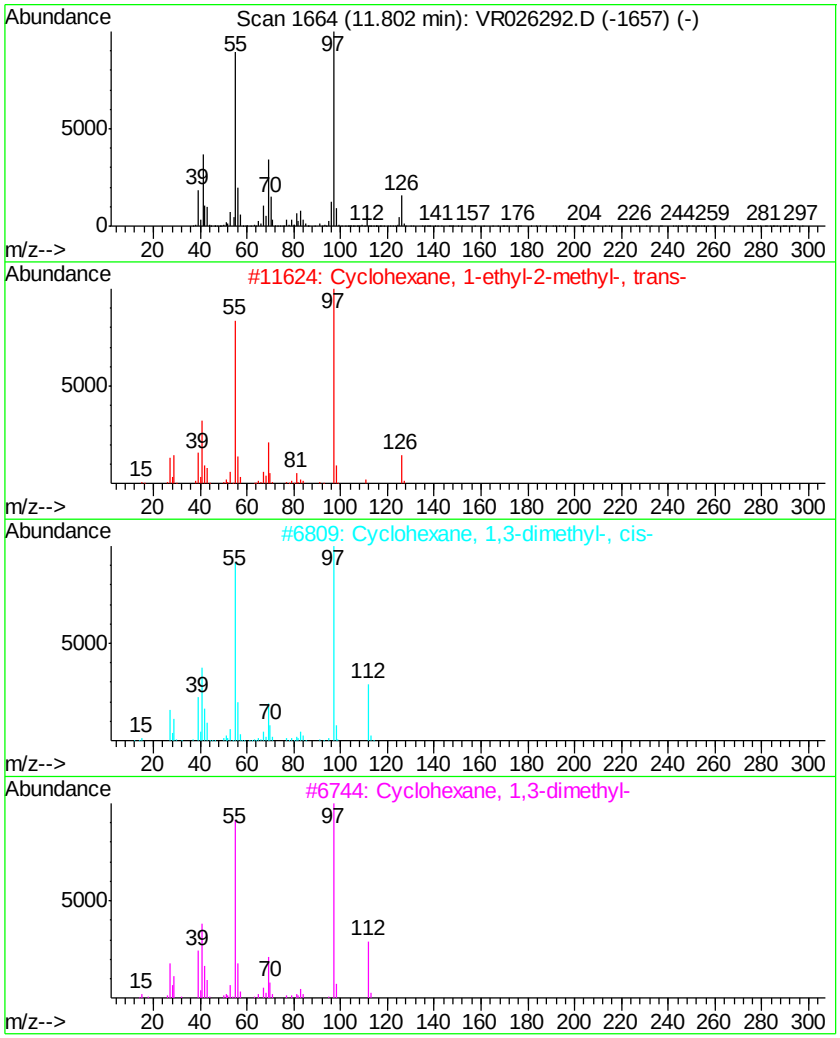
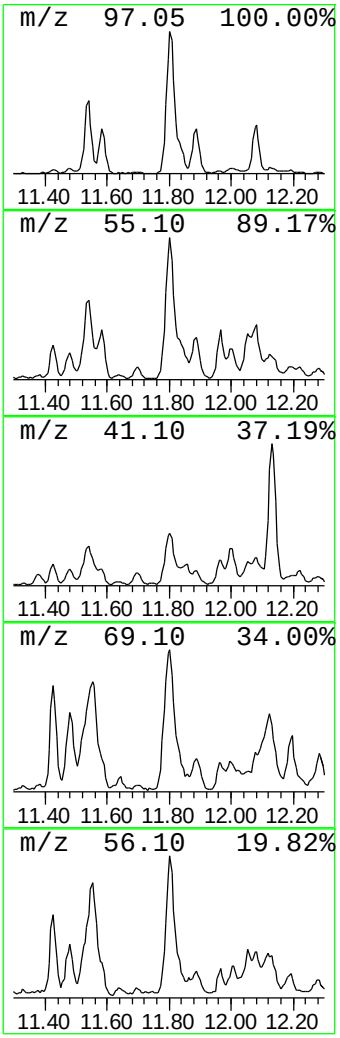
Peak Number 12 (DEL) Alkane: Cyclic11.80 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	7.13 ug/L	2331840	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	74
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72
3	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	72
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72





Library Search Compound Report

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Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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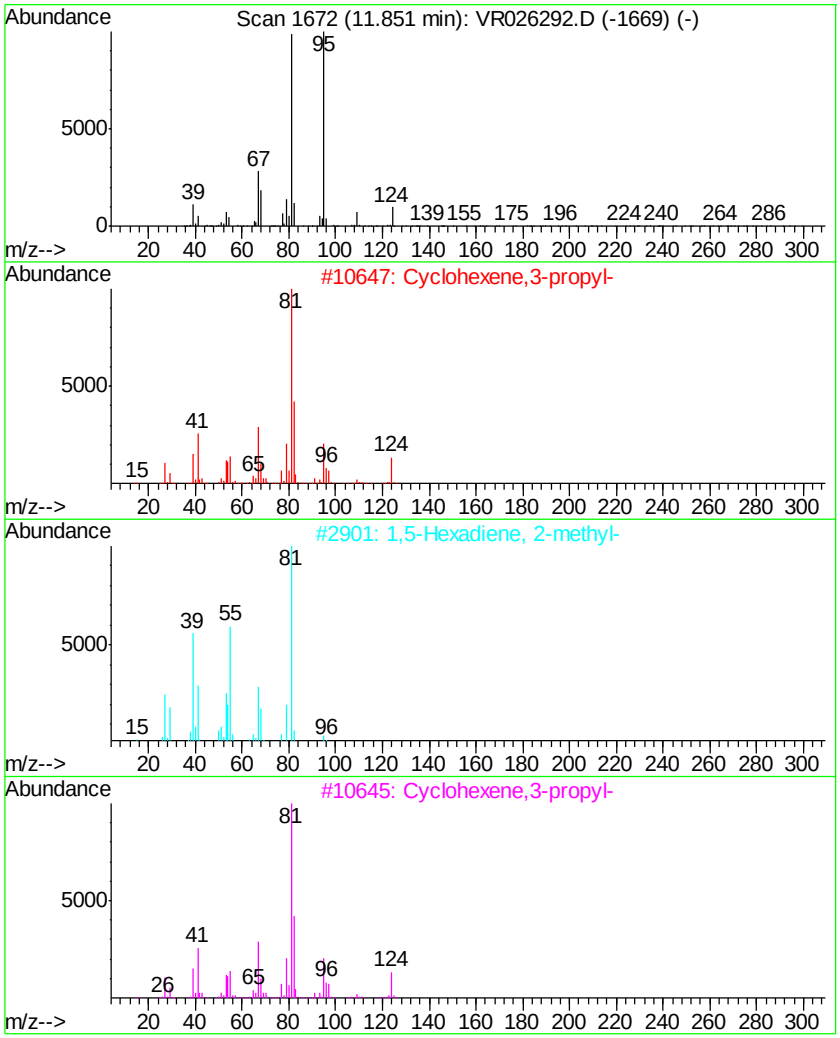
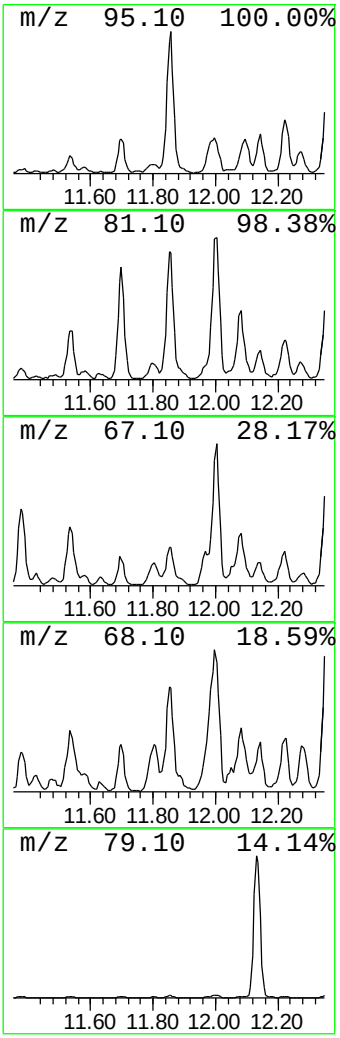
Peak Number 13 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.93 ug/L	958166	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	38
2	1,5-Hexadiene, 2-methyl-	96	C7H12	004049-81-4	38
3	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	37
4	4-Ethylcyclohexene	110	C8H14	003742-42-5	37
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	37





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Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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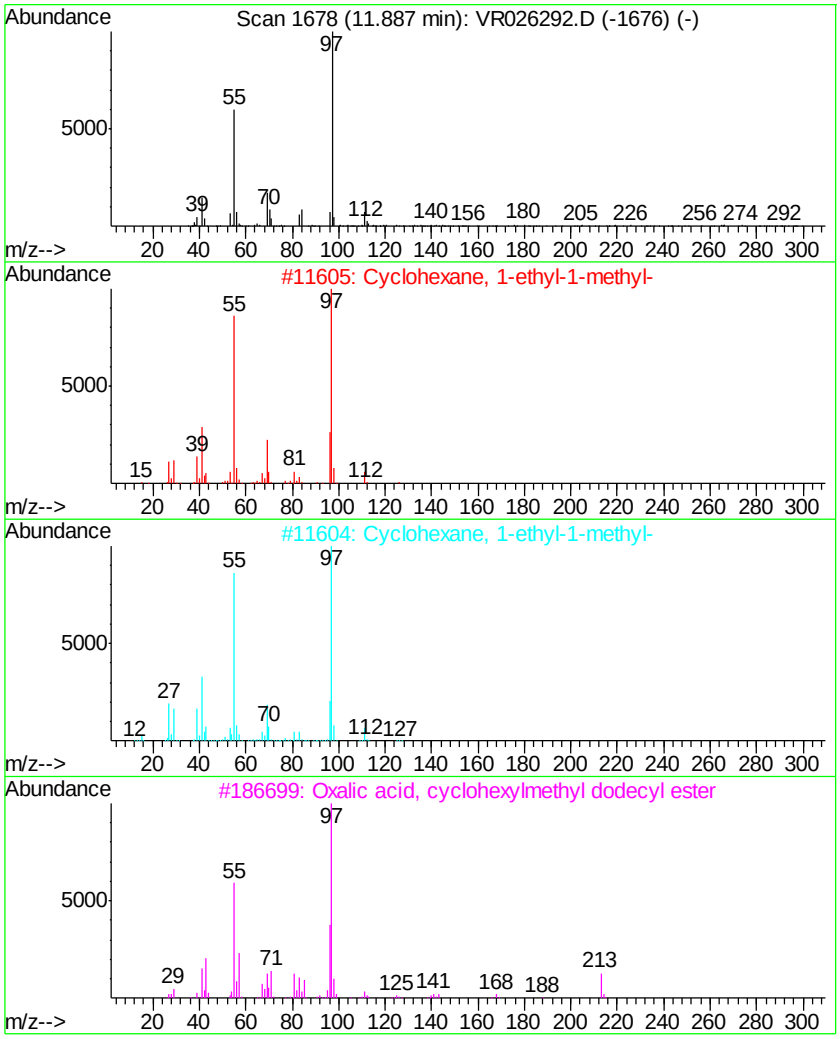
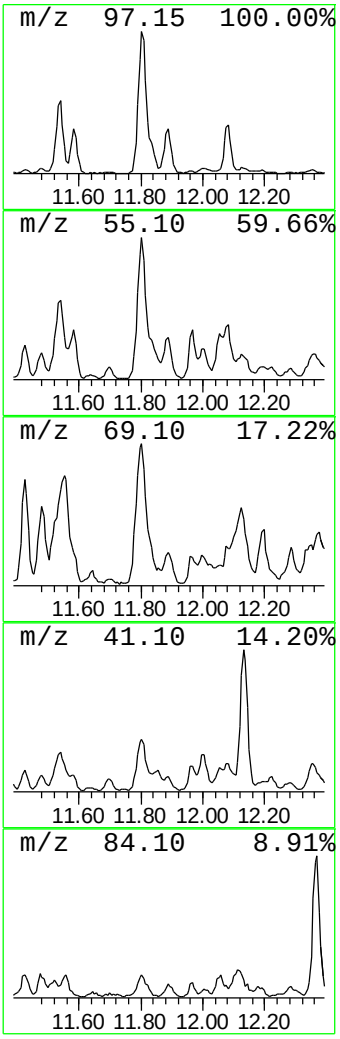
Peak Number 14 (DEL) Alkane: Cyclic11.89 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	1.35 ug/L	442670	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	45
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	43
3	Oxalic acid, cyclohexylmethyl do...	354	C21H38O4	1000309-68-9	40
4	2,2,3,3-Tetramethylcyclopropanec...	238	C15H26O2	1000221-97-5	40
5	1-[6,8-Dichloro-2-phenyl-4-quino...	398	C22H20Cl2N2O	1000252-18-9	38





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Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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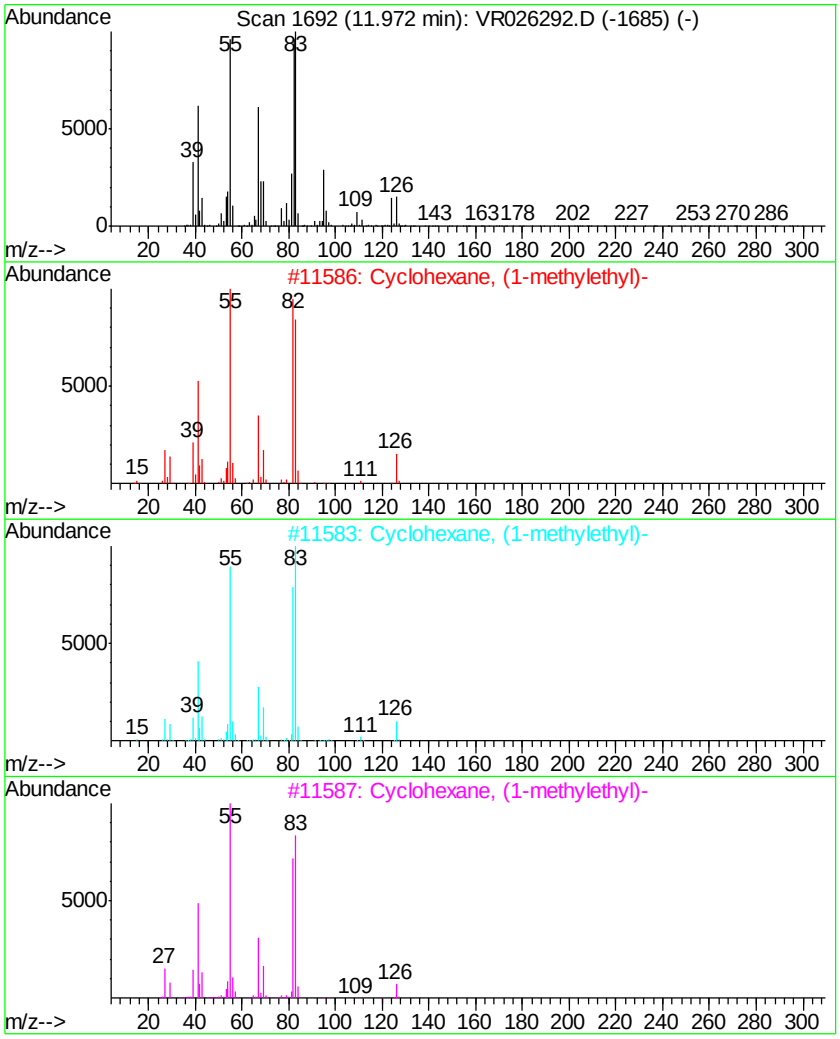
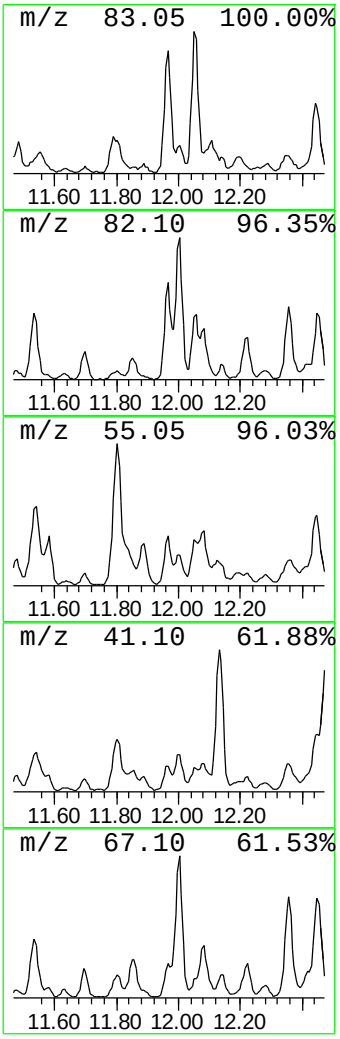
Peak Number 15 (DEL) Alkane: Cyclic11.97 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.24 ug/L	732348	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53





Library Search Compound Report

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Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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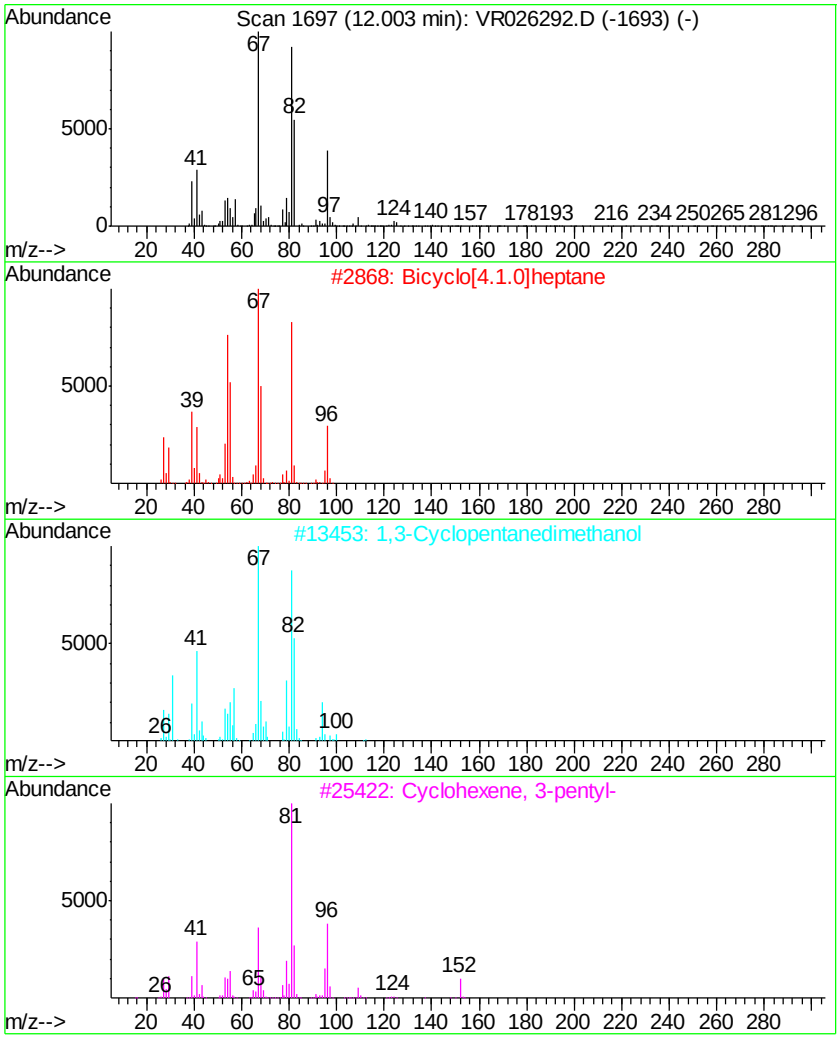
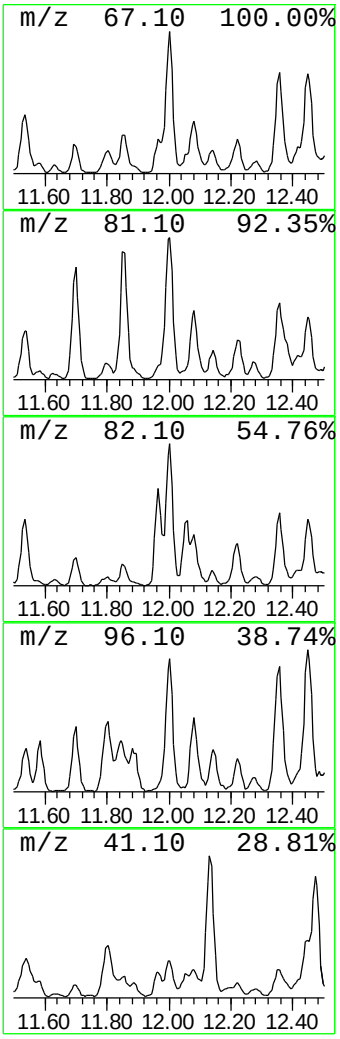
Peak Number 16 Bicyclo[4.1.0]heptane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.88 ug/L	1268170	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	72
2	1,3-Cyclopentanedimethanol	130	C7H14O2	034957-72-7	59
3	Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	53
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	52
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	50





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Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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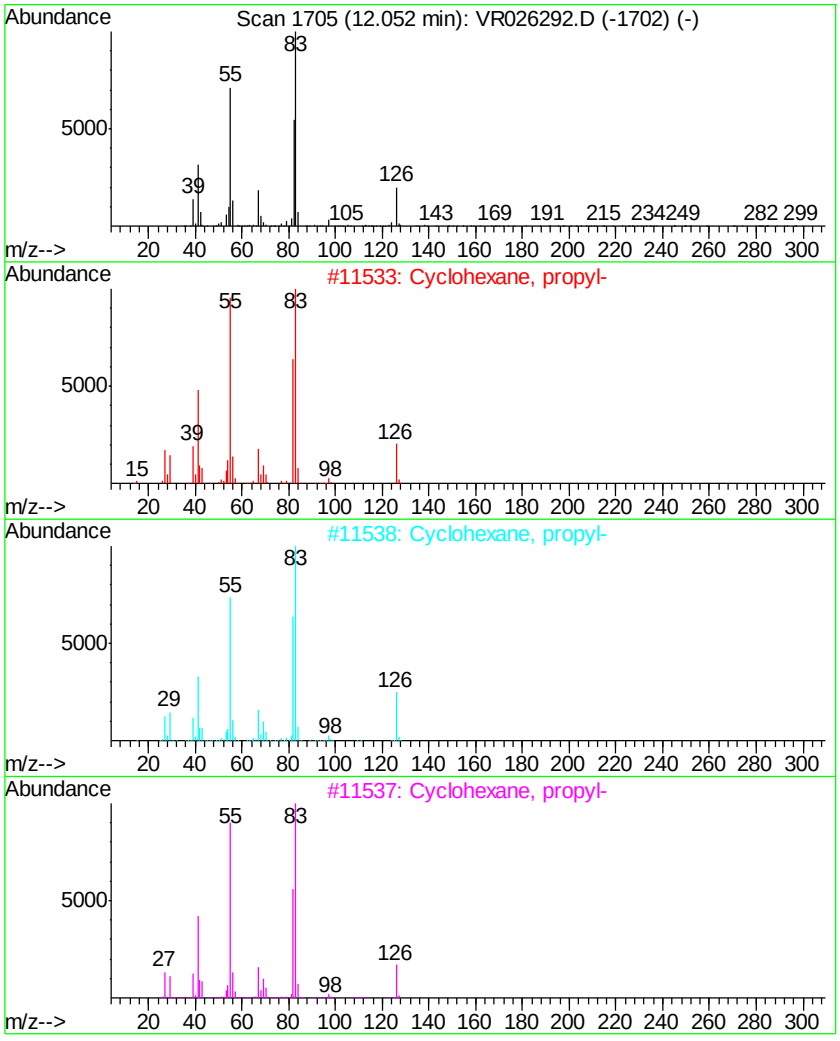
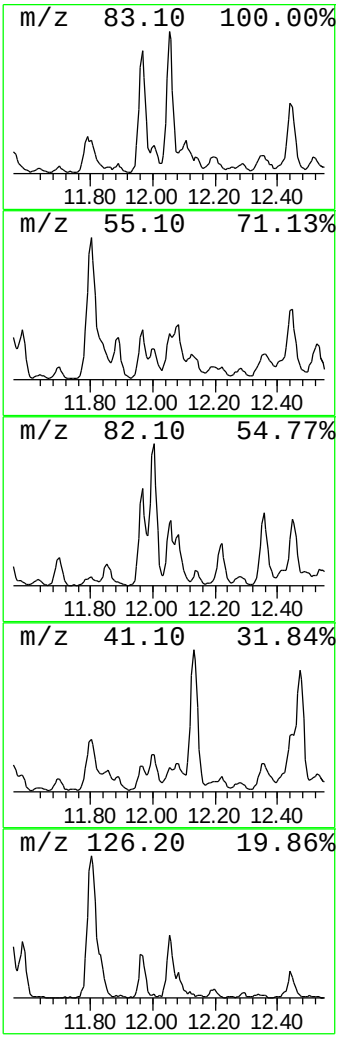
Peak Number 17 (DEL) Alkane: Cyclic12.05 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	1.08 ug/L	352433	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	94
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	91
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	91
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	91
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	72





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Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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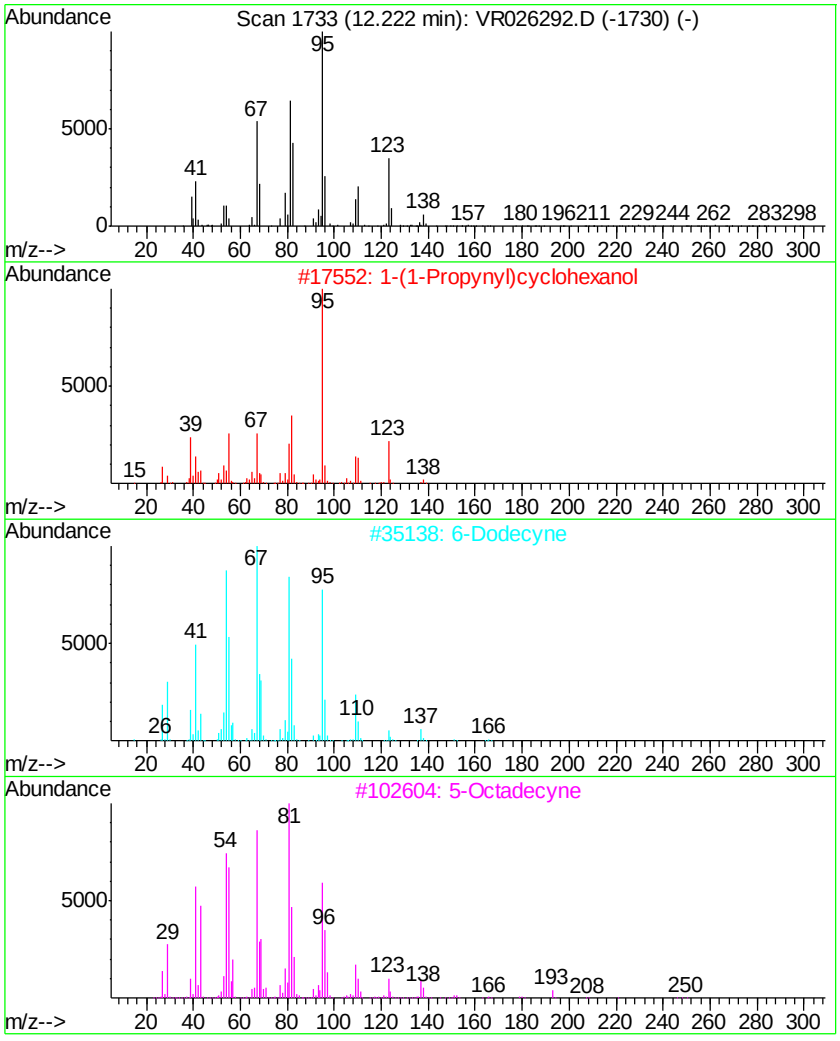
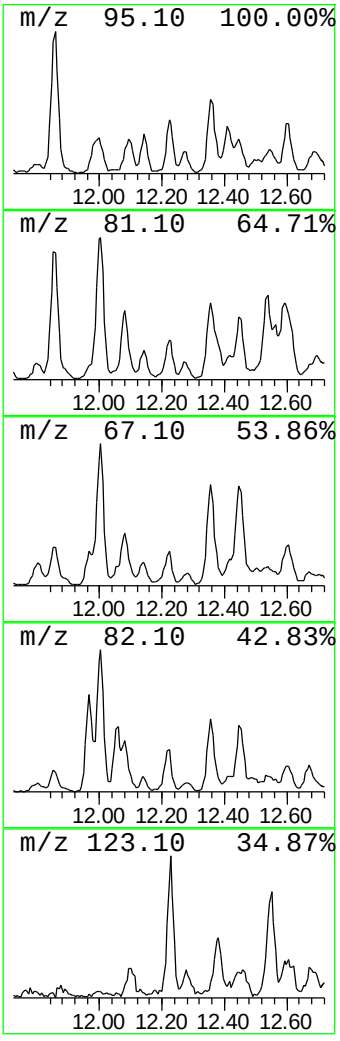
Peak Number 18 1-(1-Propynyl)cyclohexanol Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	1.50 ug/L	489951	Chlorobenzene-d5	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-Propynyl)cyclohexanol	138	C9H14O	000697-37-0	80
2	6-Dodecyne	166	C12H22	006975-99-1	74
3	5-Octadecyne	250	C18H34	071899-42-8	64
4	9-Octadecyne	250	C18H34	035365-59-4	64
5	Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	59





Library Search Compound Report

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Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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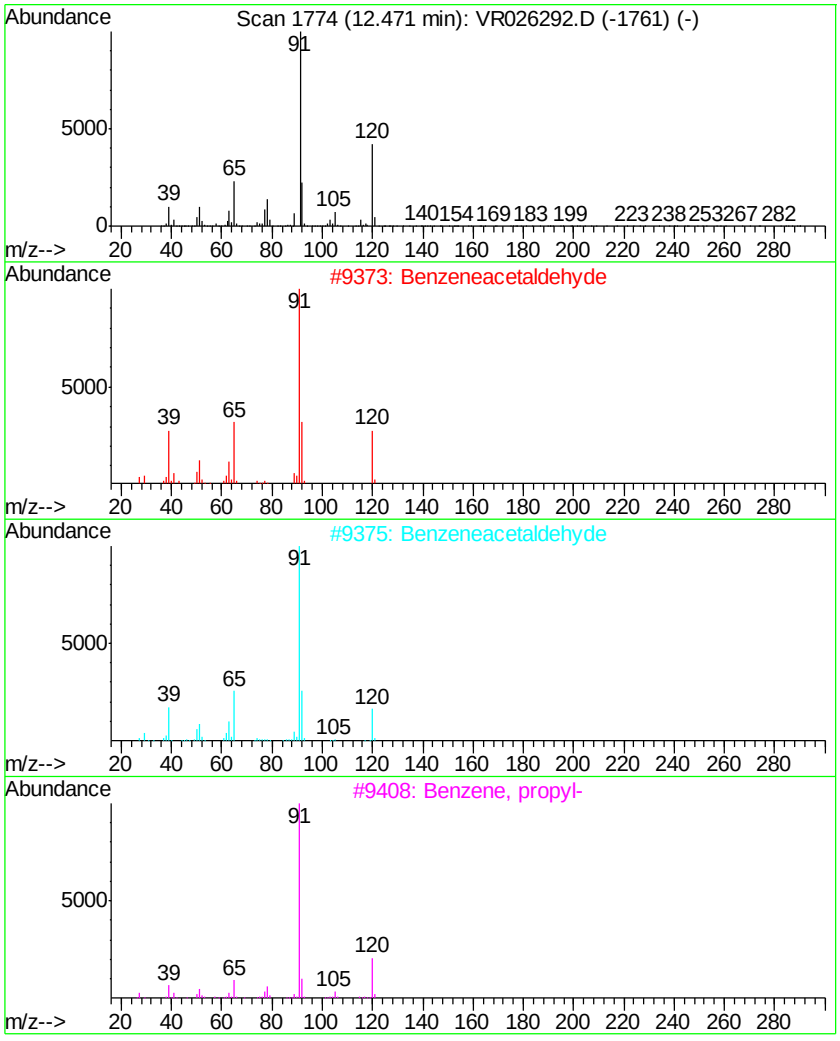
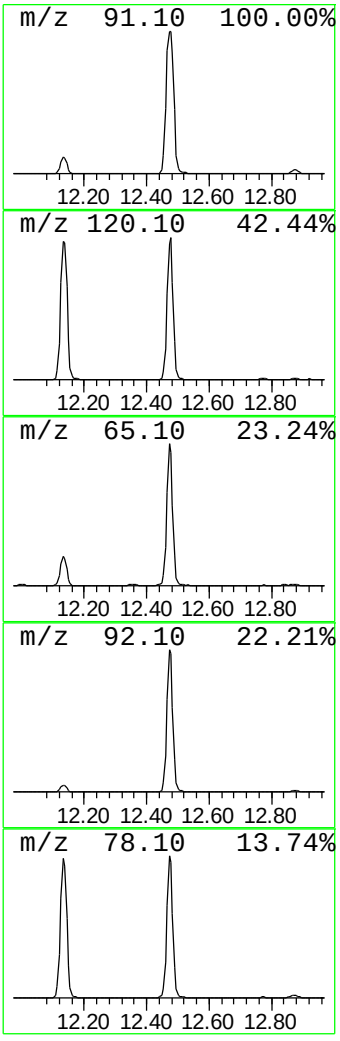
Peak Number 19 Benzeneacetaldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	106.28 ug/L	29610900	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde	120	C8H8O	000122-78-1	87
2	Benzeneacetaldehyde	120	C8H8O	000122-78-1	83
3	Benzene, propyl-	120	C9H12	000103-65-1	81
4	Benzene, propyl-	120	C9H12	000103-65-1	81
5	Benzene, propyl-	120	C9H12	000103-65-1	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

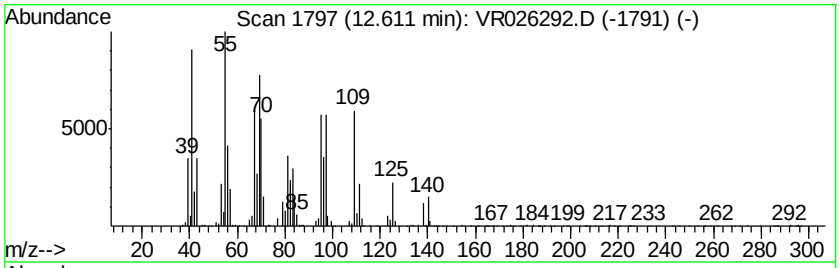
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

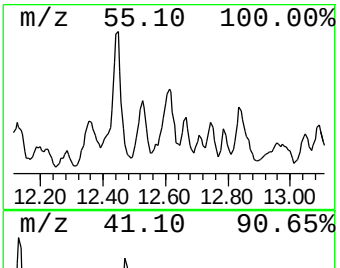
****

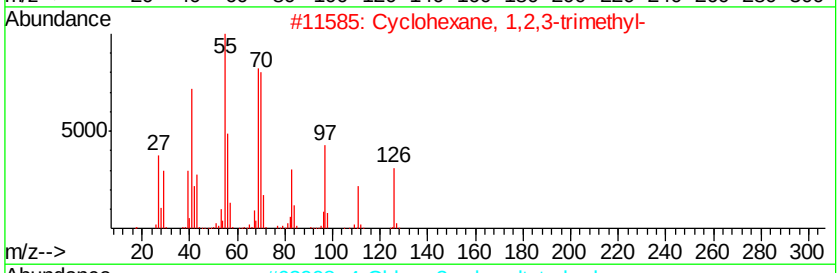
Peak Number 20 (DEL) Alkane: Cyclic12.61 Concentration Rank 13

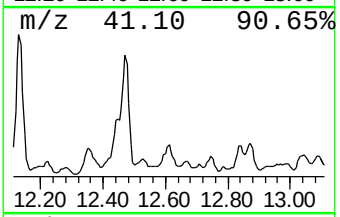
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	3.99 ug/L	1112670	1,4-Dichlorobenzene-d4	13.23

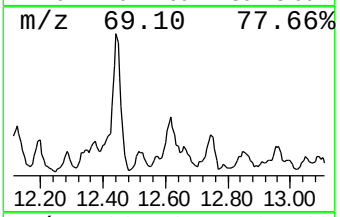
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	46
2	4-Chloro-3-n-hexyltetrahydropyran	204	C11H21ClO	066555-66-6	43
3	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	41
4	cis-3-Decene	140	C10H20	019398-86-8	41
5	Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	38

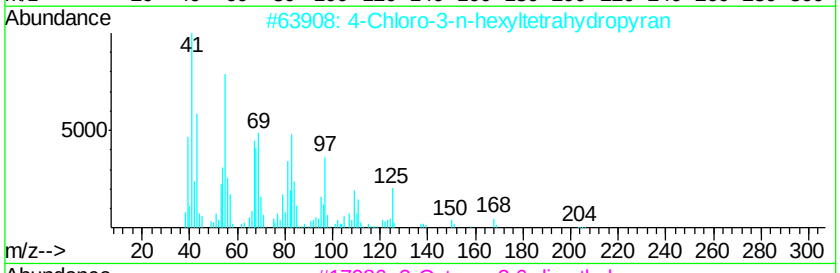


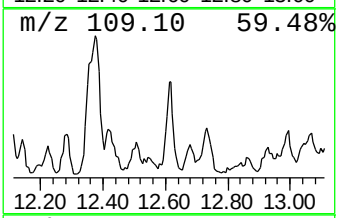


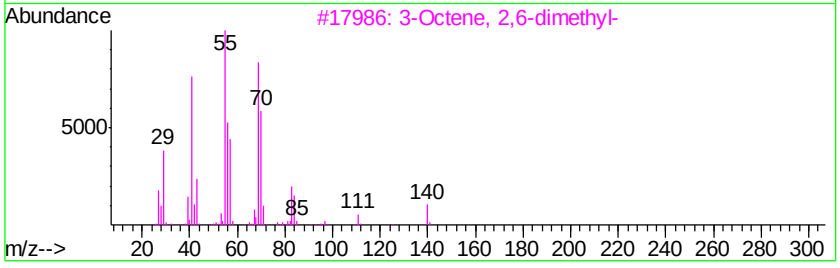


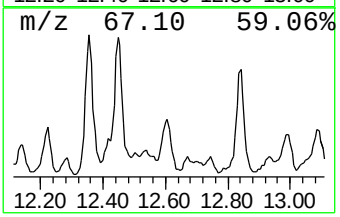












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

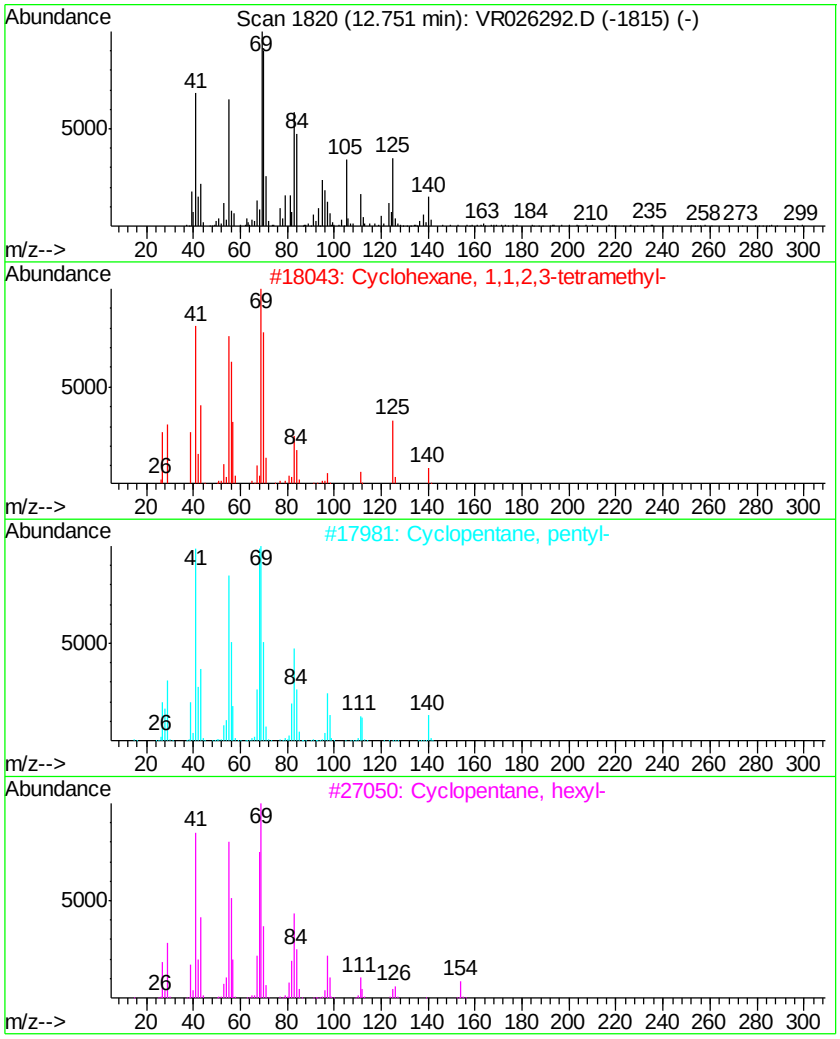
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

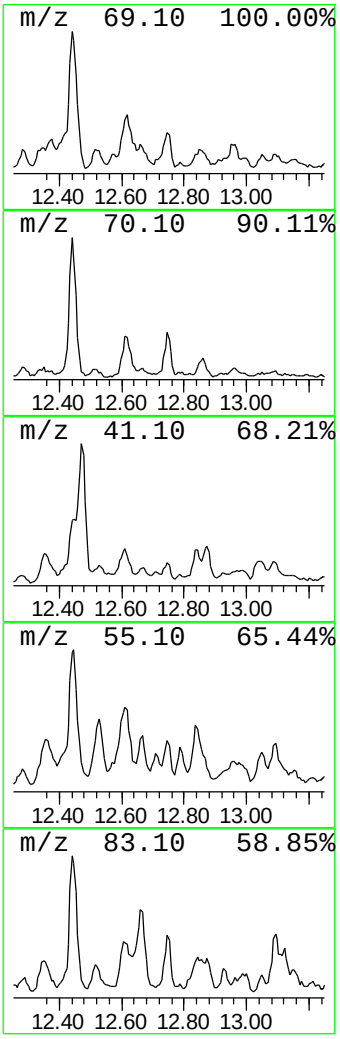
****

Peak Number 21 (DEL) Alkane: Cyclic12.75 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	1.19 ug/L	332126	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	70
2	Cyclopentane, pentyl-	140	C10H20	003741-00-2	49
3	Cyclopentane, hexyl-	154	C11H22	004457-00-5	43
4	Octane, 2-chloro-	148	C8H17Cl	000628-61-5	35
5	Triallylsilane	152	C9H16Si	001116-62-7	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

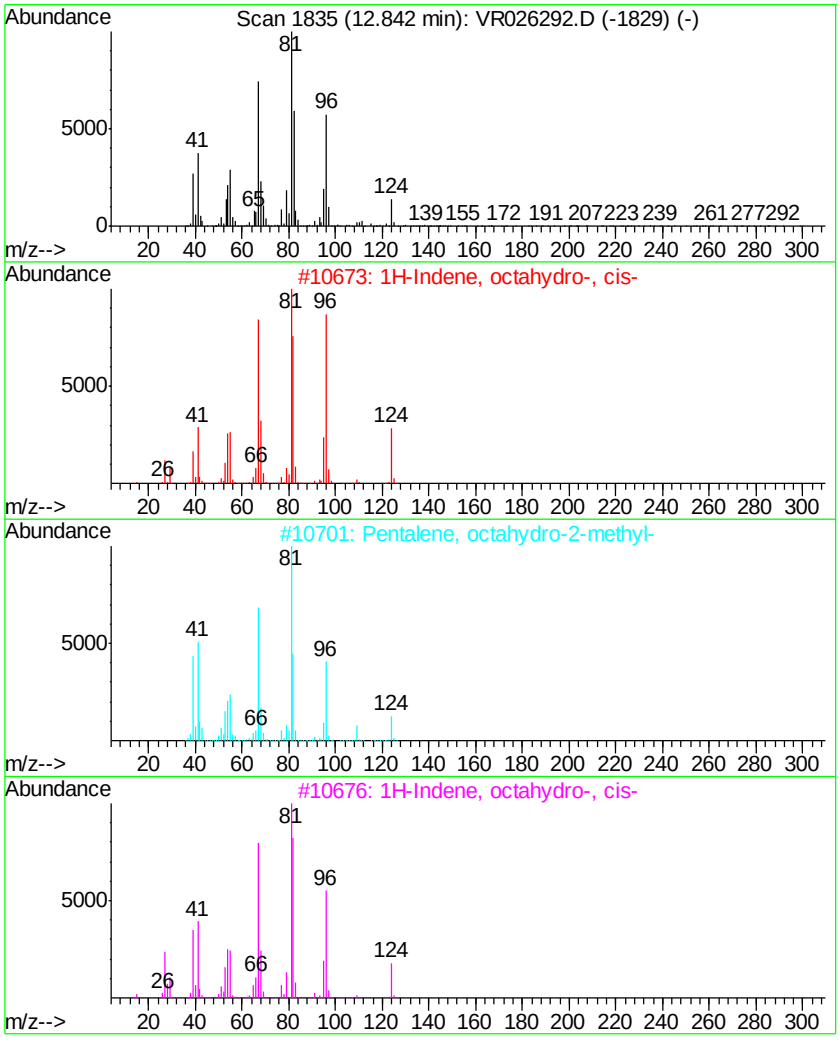
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

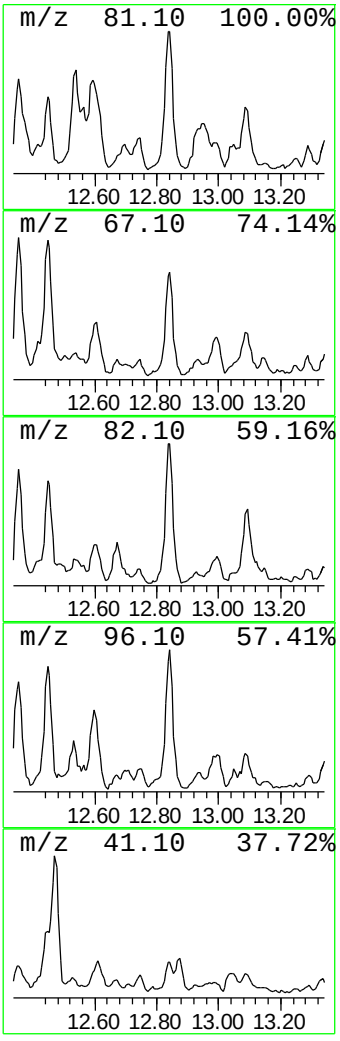
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 1H-Indene, octahydro-, cis- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	3.76 ug/L	1047800	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	96
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	90
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	64
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

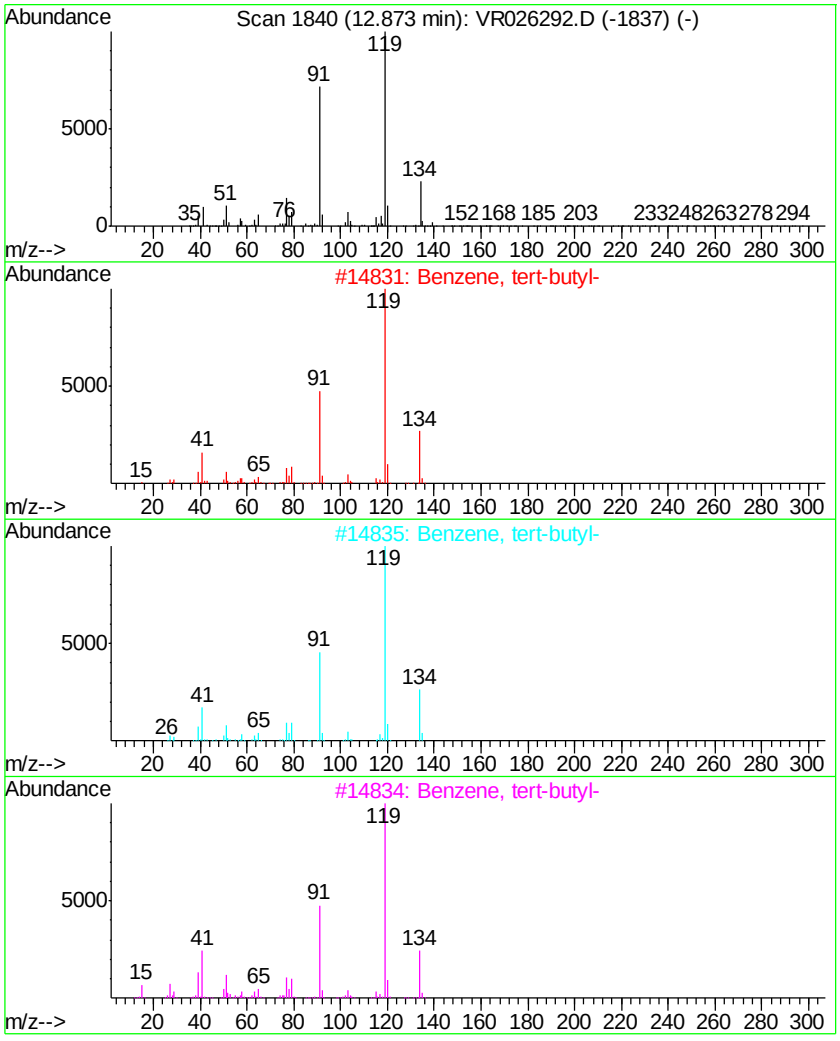
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

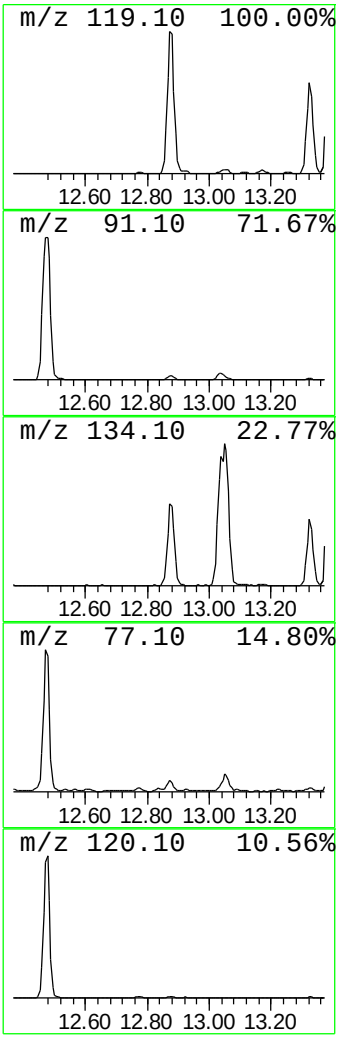
****

Peak Number 23 Benzene, tert-butyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	4.49 ug/L	1249860	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	93
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
4	o-Cymene	134	C10H14	000527-84-4	83
5	o-Cymene	134	C10H14	000527-84-4	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

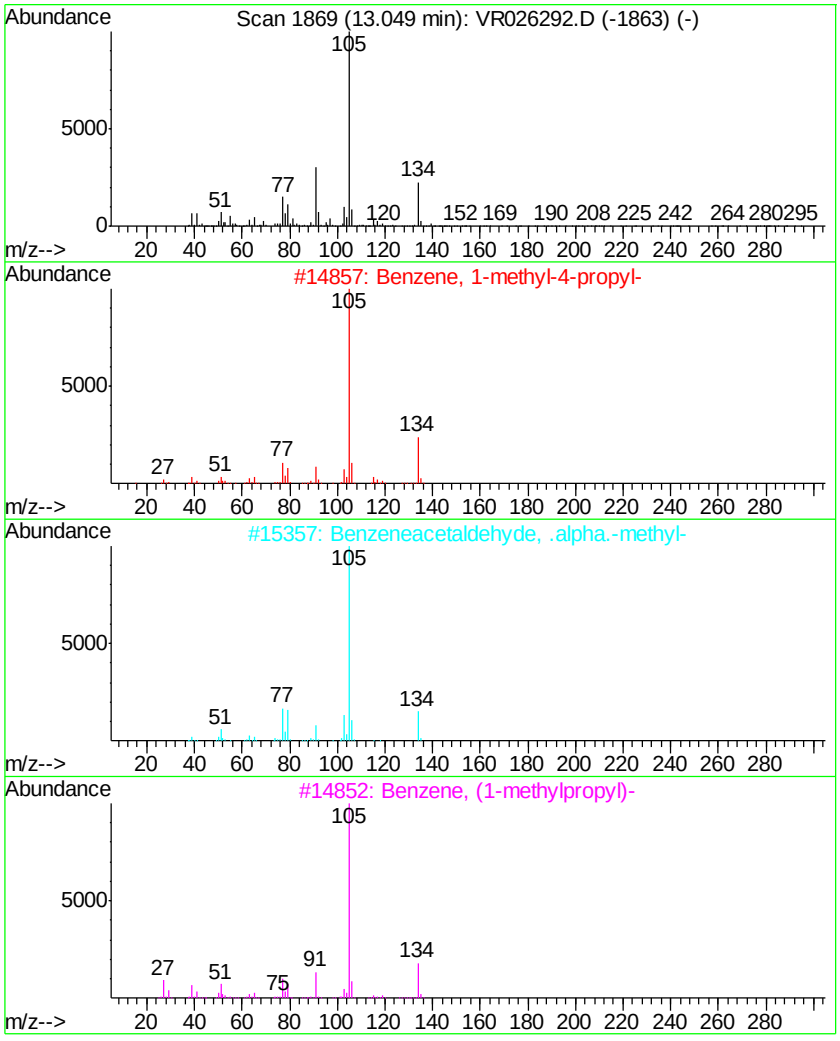
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

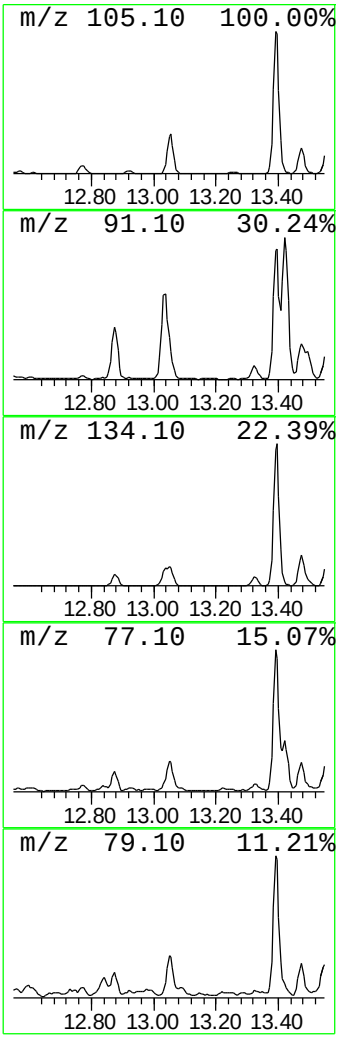
****

Peak Number 24 Benzene, 1-methyl-4-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	9.61 ug/L	2678480	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
4	2-Tolyloxirane	134	C9H10O	002783-26-8	83
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

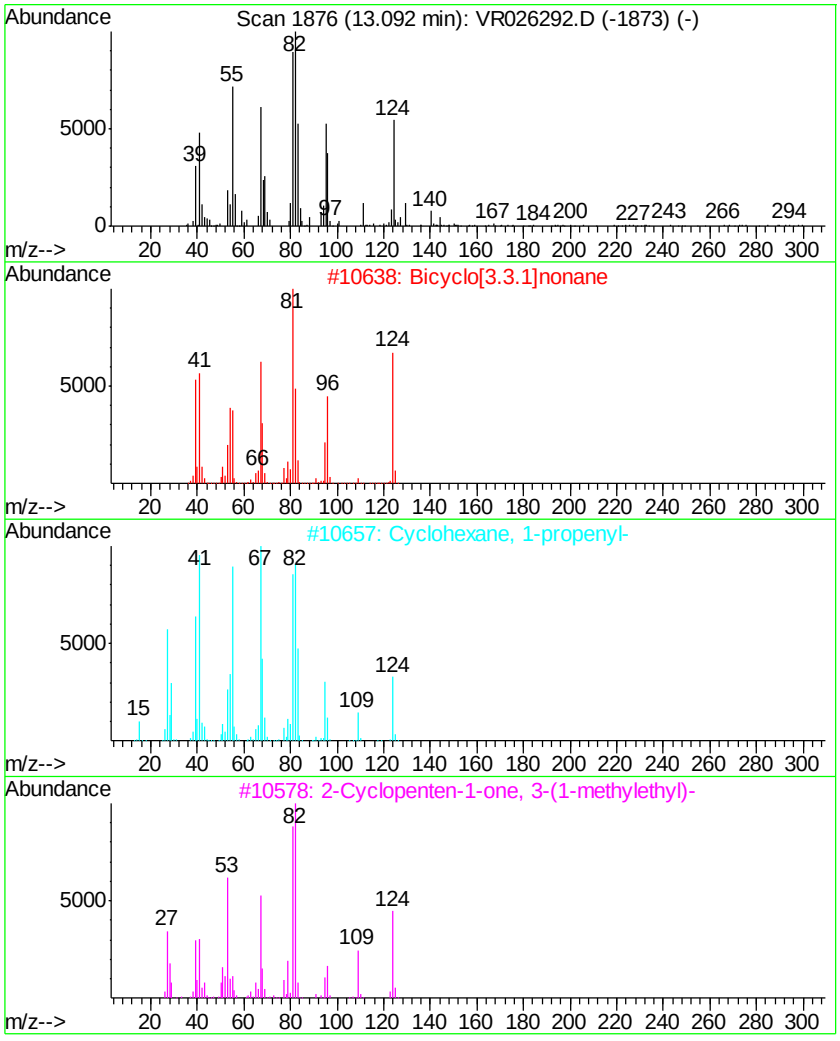
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

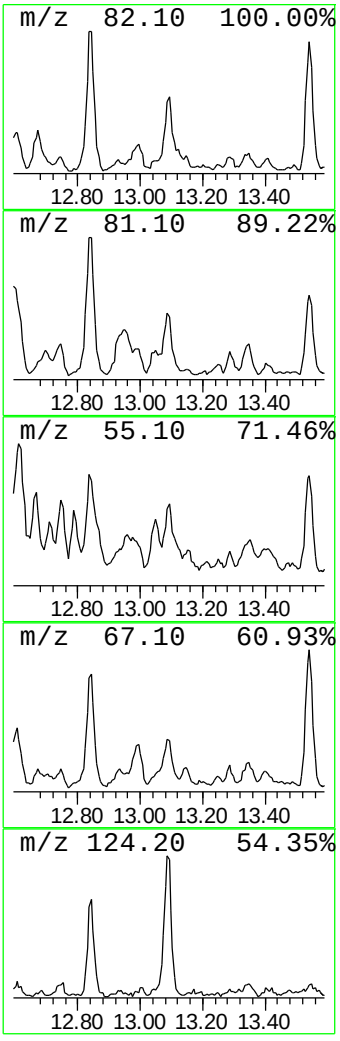
****

Peak Number 25 Bicyclo[3.3.1]nonane Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.14 ug/L	595830	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	68
2	Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	62
3	2-Cyclopenten-1-one, 3-(1-methyl...	124	C8H12O	001619-28-9	58
4	1-Hexadecyne	222	C16H30	000629-74-3	53
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	49





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Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

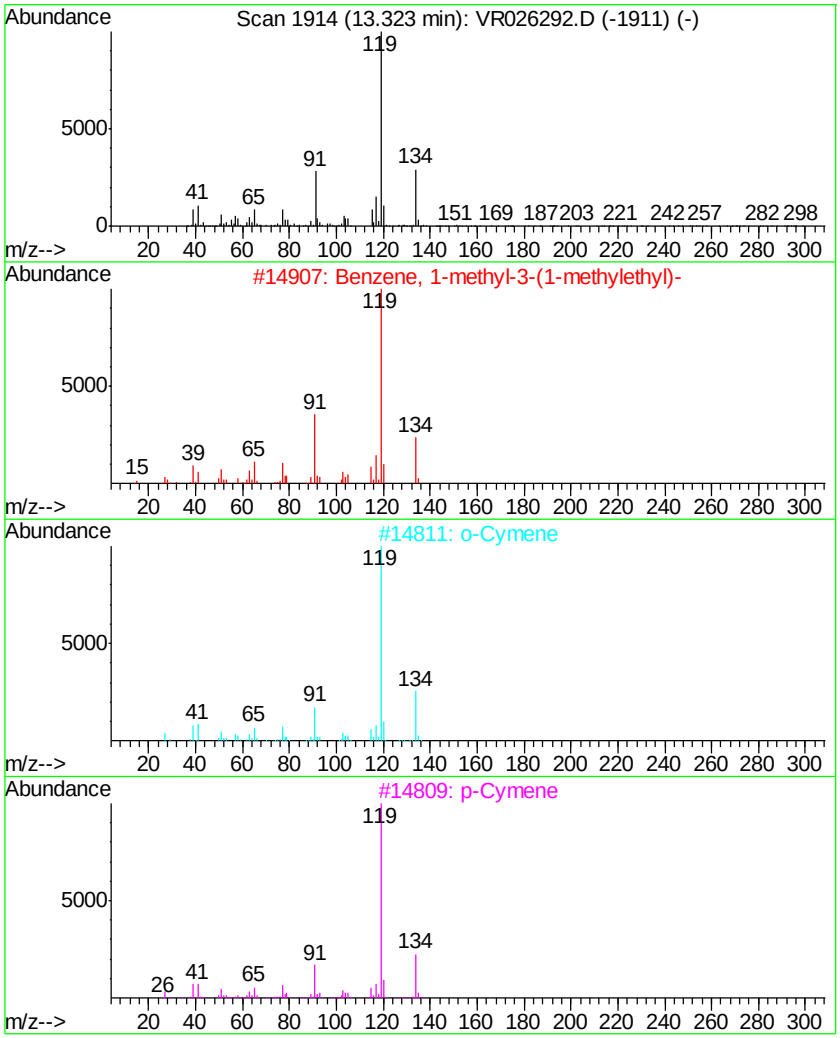
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

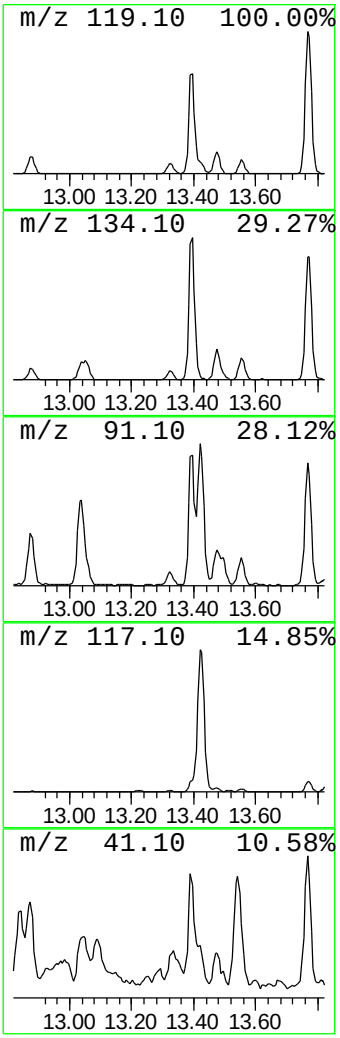
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1-methyl-3-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.76 ug/L	770131	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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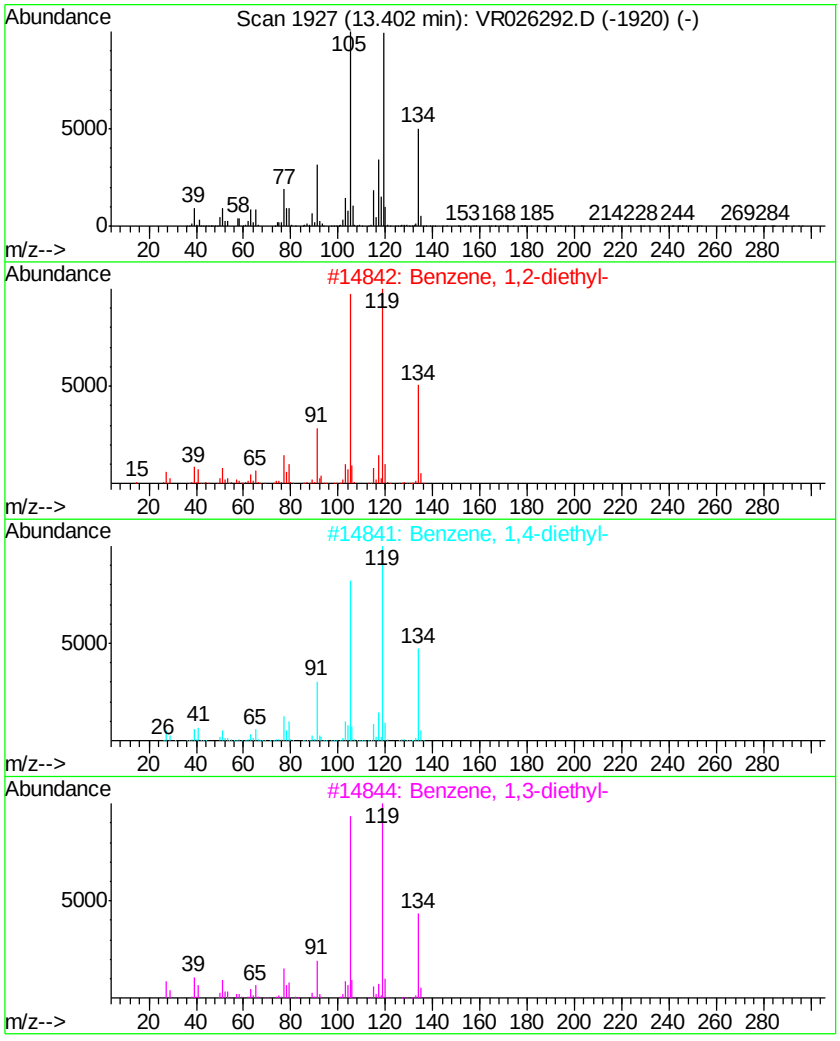
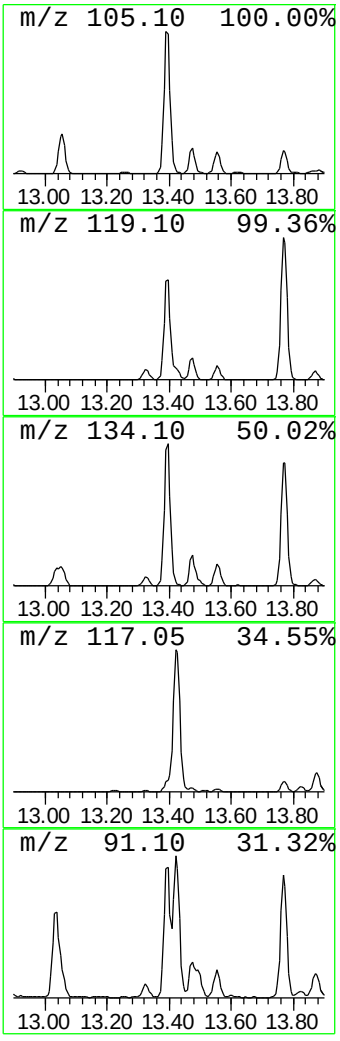
Peak Number 27 Benzene, 1,2-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	38.15 ug/L	10628600	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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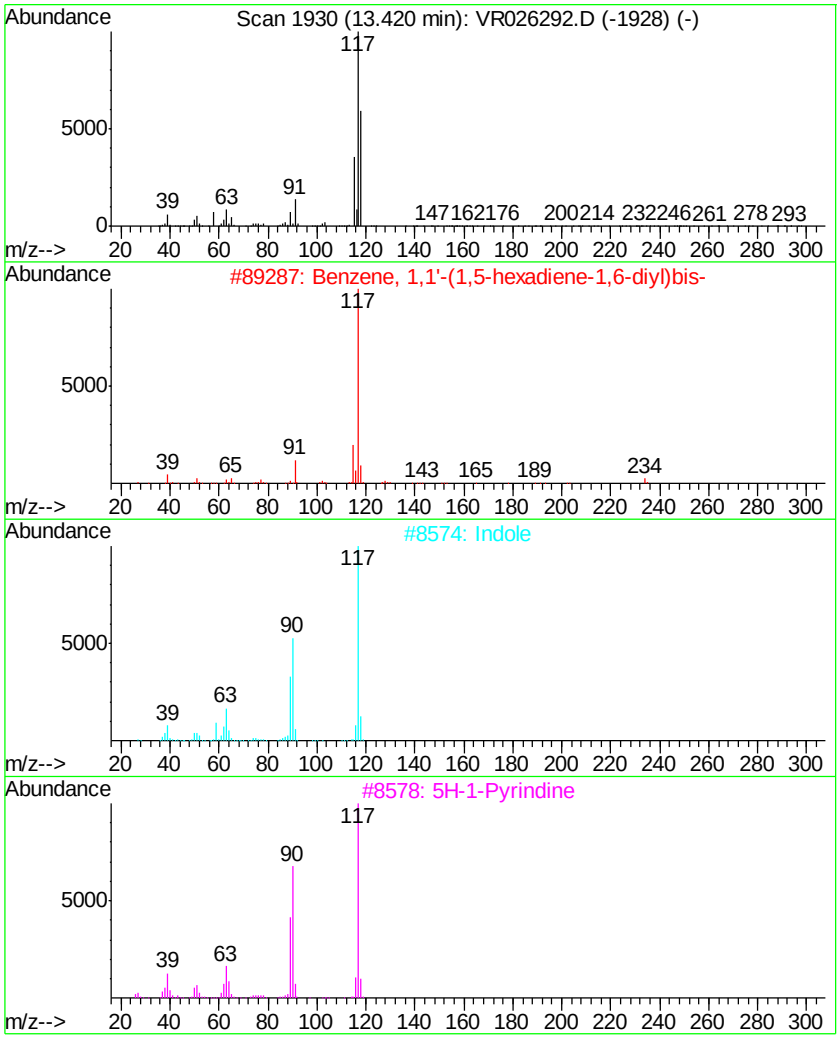
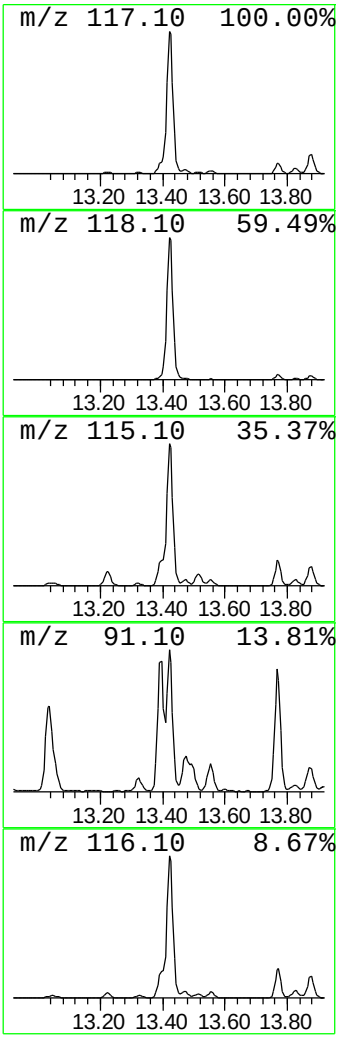
Peak Number 28 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	39.47 ug/L	10996300	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	50
2	Indole	117	C8H7N	000120-72-9	43
3	5H-1-Pyrindine	117	C8H7N	000270-91-7	43
4	Indole	117	C8H7N	000120-72-9	43
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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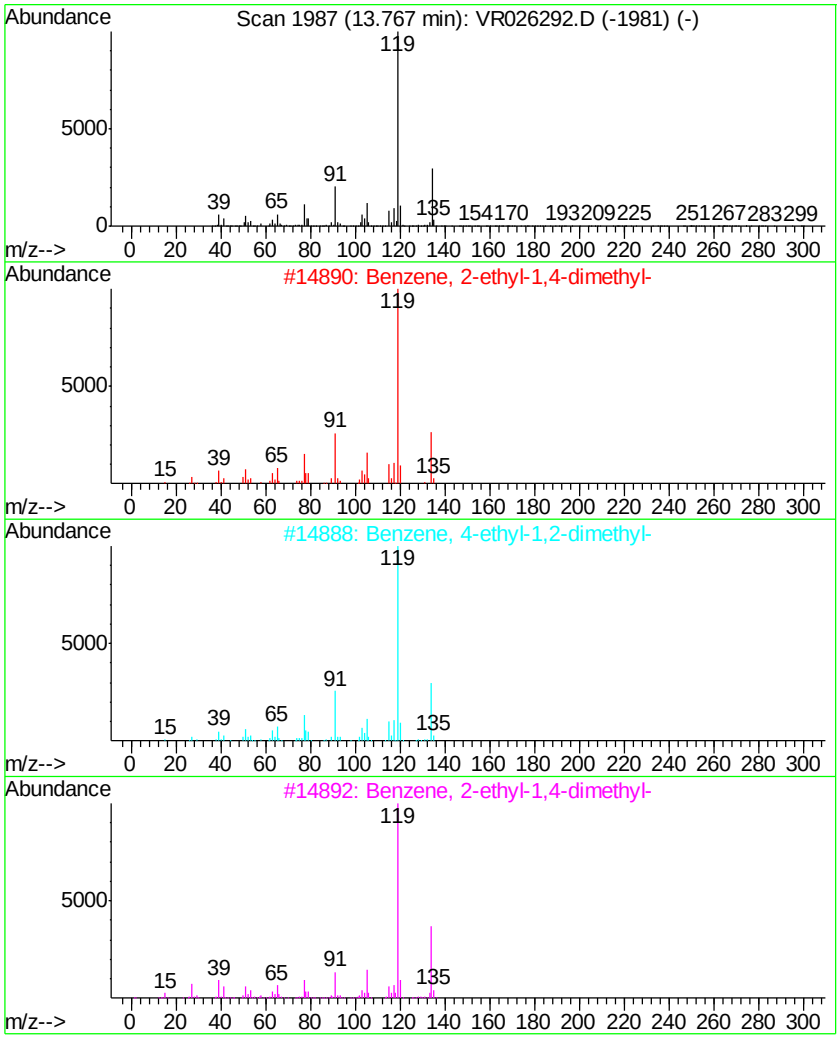
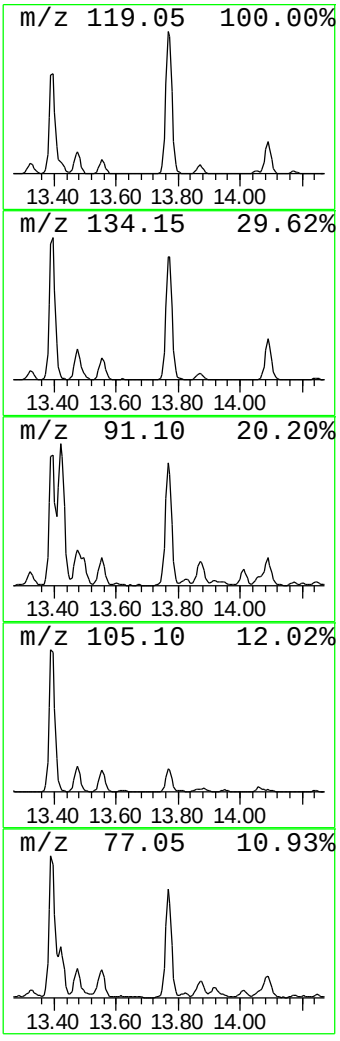
Peak Number 29 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	29.63 ug/L	8256830	1,4-Dichlorobenzene-d4	13.23

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	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	p-Cymene	134	C10H14	000099-87-6	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

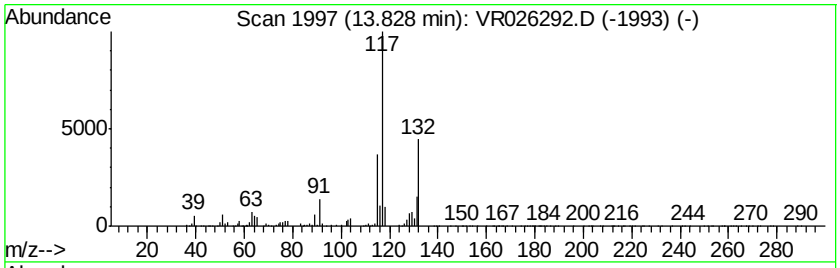
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

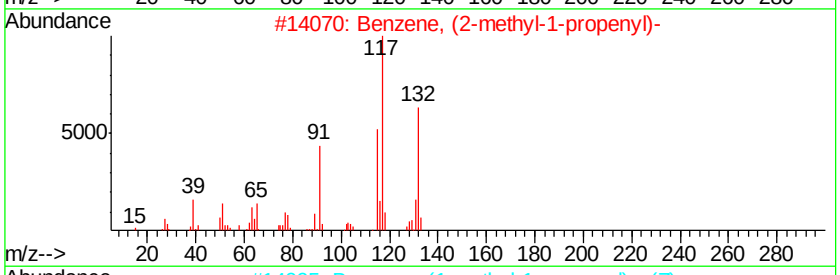
****

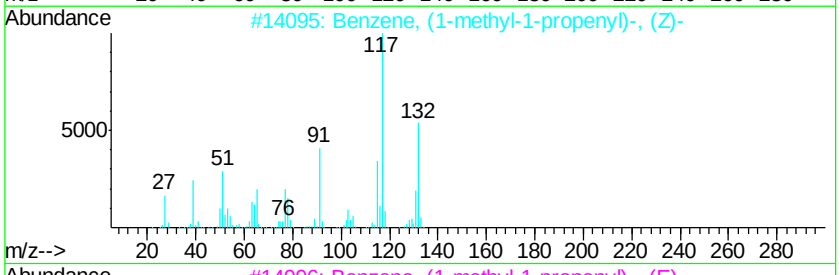
Peak Number 30 Benzene, (2-methyl-1-propen... Concentration Rank 24

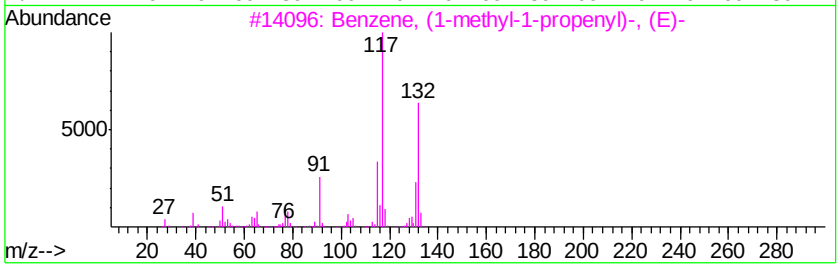
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.04 ug/L	569754	1,4-Dichlorobenzene-d4	13.23

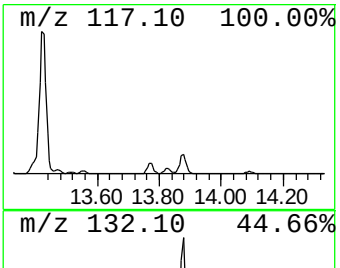
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90

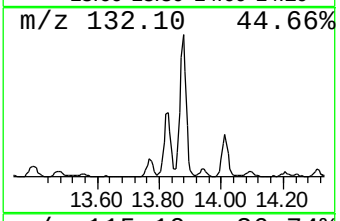


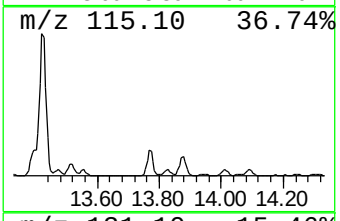


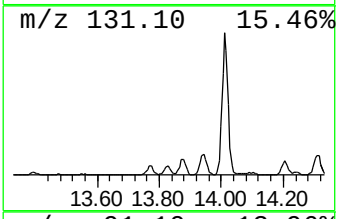


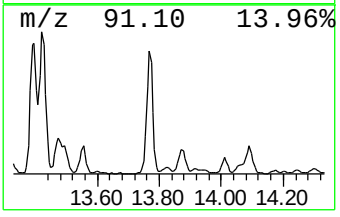












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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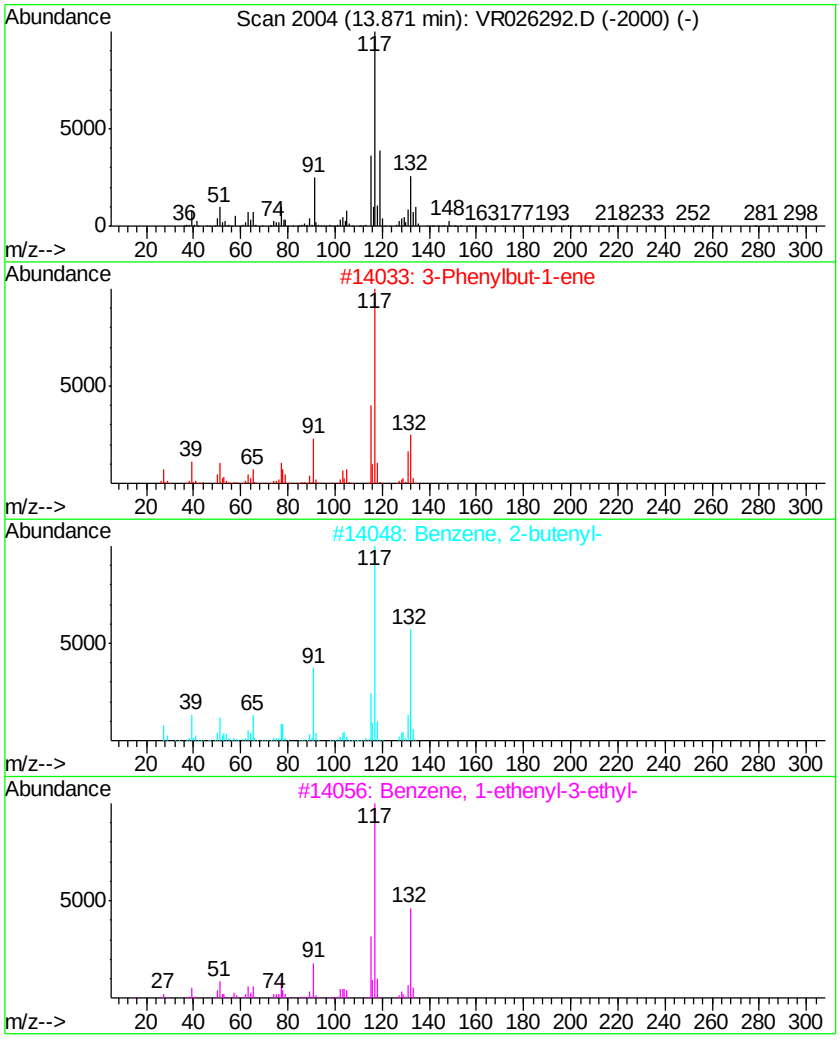
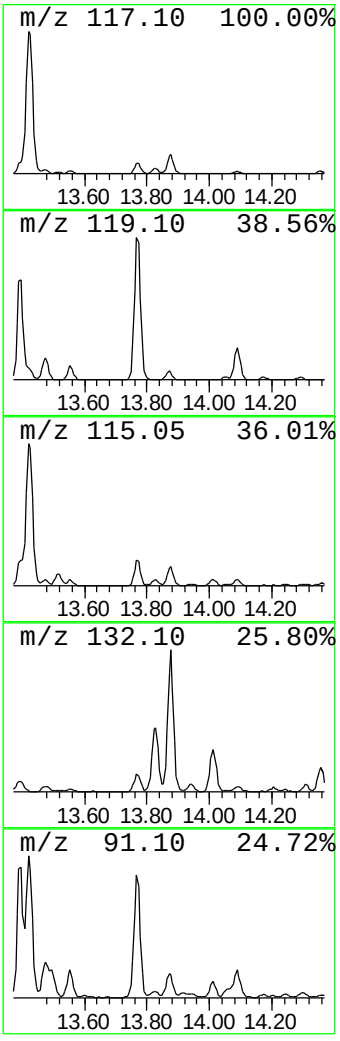
Peak Number 31 3-Phenylbut-1-ene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	7.96 ug/L	2216590	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	62
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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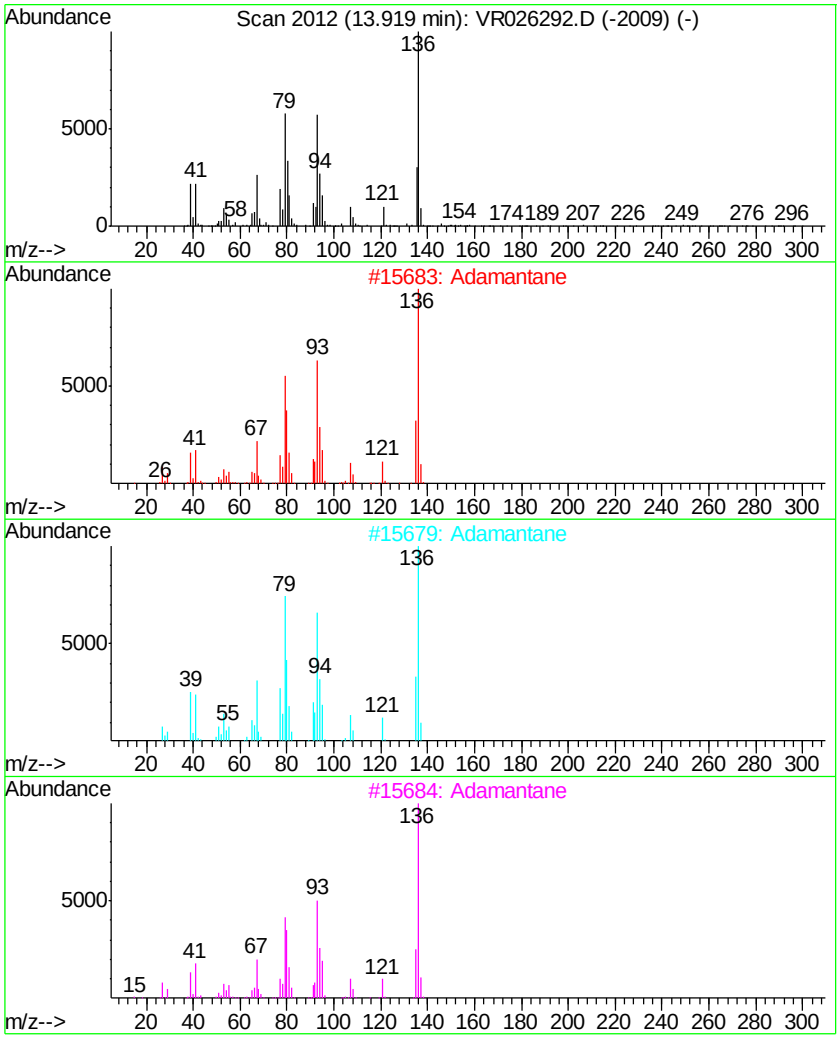
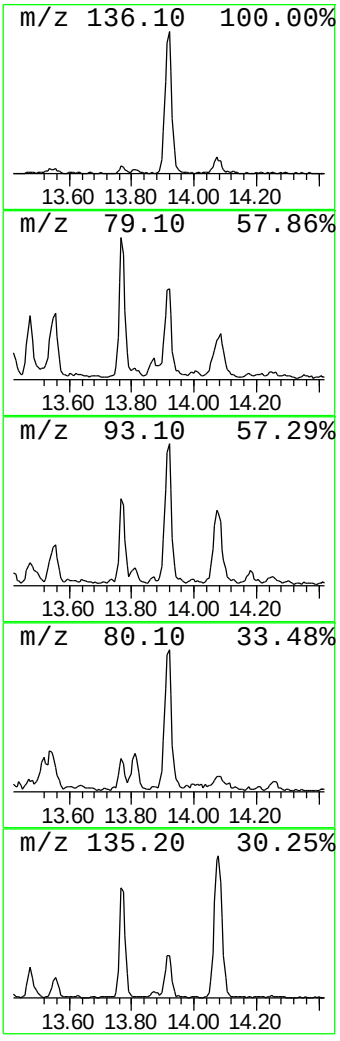
Peak Number 32 Adamantane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	3.73 ug/L	1038330	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	98
2	Adamantane	136	C10H16	000281-23-2	98
3	Adamantane	136	C10H16	000281-23-2	96
4	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	68
5	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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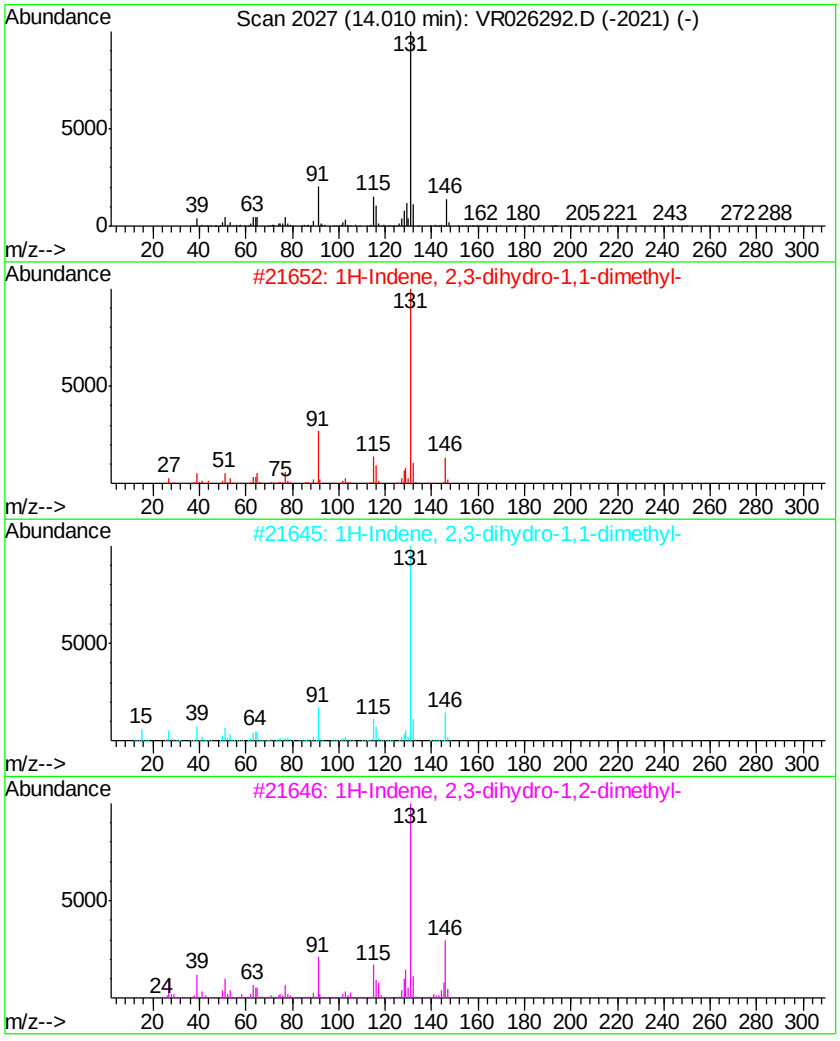
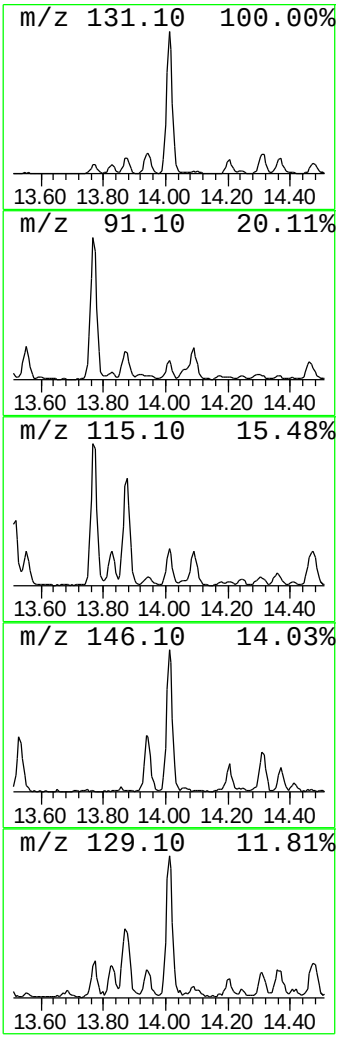
Peak Number 33 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	3.47 ug/L	965479	1,4-Dichlorobenzene-d4	13.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

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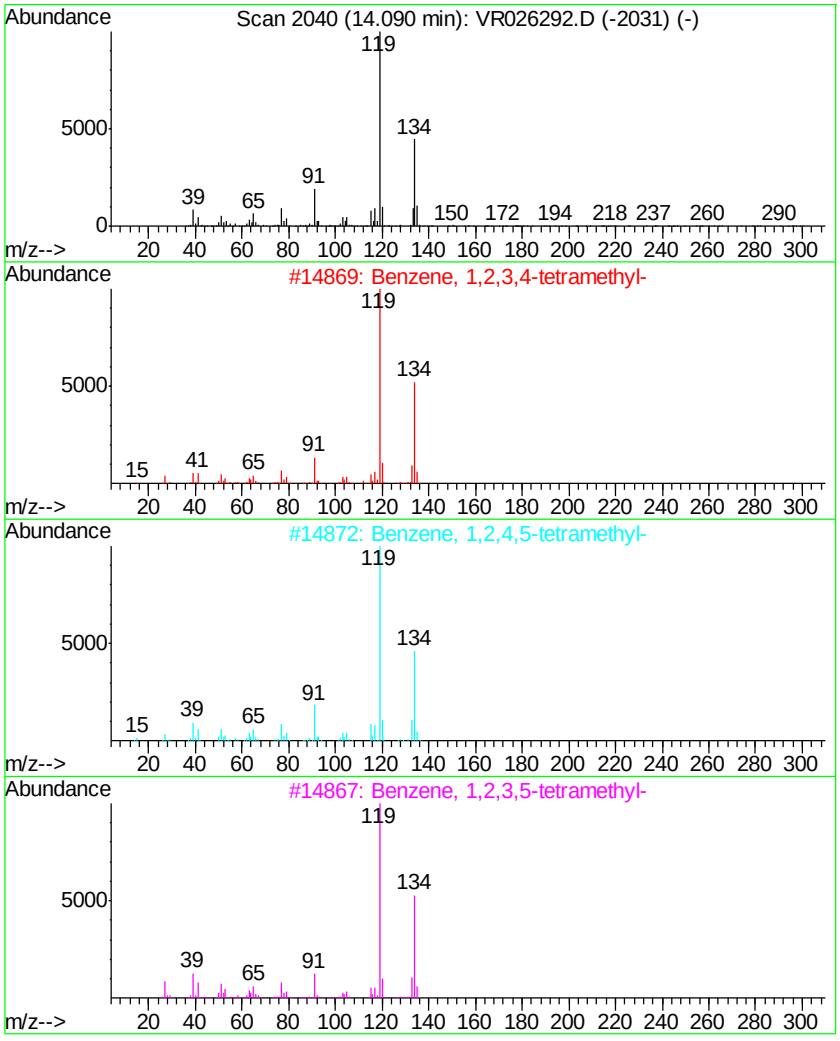
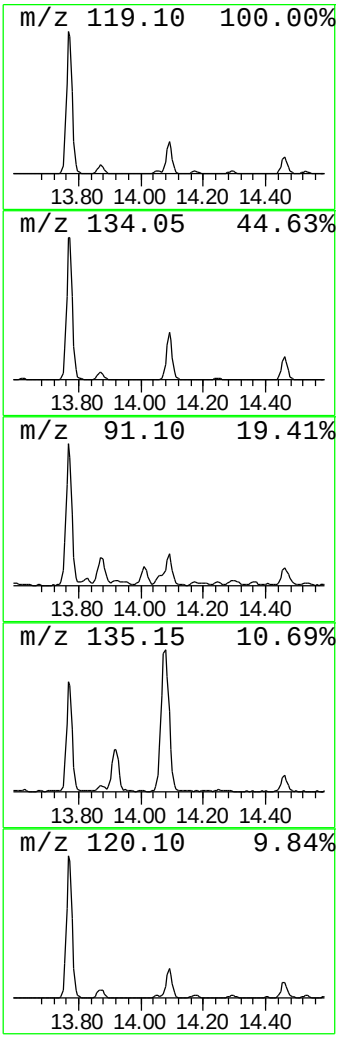
Peak Number 34 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	10.68 ug/L	2975360	1,4-Dichlorobenzene-d4	13.23

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
Data File : VR026292.D
Acq On : 21 Dec 2018 21:11
Operator : SY/MD
Sample : J6536-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_R
ClientSampleId : BE809

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Butenoic acid	1.79	2.4	ug/L	613751	1	8.46	1263370	5.0
Ethyl ether	3.30	5.1	ug/L	1277830	1	8.46	1263370	5.0
(DEL) Alkane: Cyc...	10.32	1.1	ug/L	367040	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	10.80	1.5	ug/L	479438	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	10.83	1.3	ug/L	413318	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	10.89	1.9	ug/L	604079	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	11.10	2.2	ug/L	719791	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	11.48	1.6	ug/L	531257	2	11.29	1634630	5.0
Cyclohexane, 1-(c...	11.54	6.3	ug/L	2058780	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	11.58	1.2	ug/L	388360	2	11.29	1634630	5.0
4-Ethylcyclohexene	11.70	1.9	ug/L	612793	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	11.80	7.1	ug/L	2331840	2	11.29	1634630	5.0
unknown-01	11.85	2.9	ug/L	958166	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	11.89	1.4	ug/L	442670	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	11.97	2.2	ug/L	732348	2	11.29	1634630	5.0
Bicyclo[4.1.0]hep...	12.00	3.9	ug/L	1268170	2	11.29	1634630	5.0
(DEL) Alkane: Cyc...	12.05	1.1	ug/L	352433	2	11.29	1634630	5.0
1-(1-Propynyl)cyc...	12.22	1.5	ug/L	489951	2	11.29	1634630	5.0
Benzeneacetaldehyde	12.47	106.3	ug/L	29610900	3	13.23	1393120	5.0
(DEL) Alkane: Cyc...	12.61	4.0	ug/L	1112670	3	13.23	1393120	5.0
(DEL) Alkane: Cyc...	12.75	1.2	ug/L	332126	3	13.23	1393120	5.0
1H-Indene, octahy...	12.84	3.8	ug/L	1047800	3	13.23	1393120	5.0
Benzene, tert-butyl-	12.87	4.5	ug/L	1249860	3	13.23	1393120	5.0
Benzene, 1-methyl...	13.05	9.6	ug/L	2678480	3	13.23	1393120	5.0
Bicyclo[3.3.1]nonane	13.09	2.1	ug/L	595830	3	13.23	1393120	5.0
Benzene, 1-methyl...	13.32	2.8	ug/L	770131	3	13.23	1393120	5.0
Benzene, 1,2-diet...	13.40	38.1	ug/L	10628600	3	13.23	1393120	5.0
Benzene, 1,1'-(1,...	13.42	39.5	ug/L	10996300	3	13.23	1393120	5.0
Benzene, 2-ethyl-...	13.77	29.6	ug/L	8256830	3	13.23	1393120	5.0
Benzene, (2-methy...	13.83	2.0	ug/L	569754	3	13.23	1393120	5.0
3-Phenylbut-1-ene	13.87	8.0	ug/L	2216590	3	13.23	1393120	5.0
Adamantane	13.92	3.7	ug/L	1038330	3	13.23	1393120	5.0
1H-Indene, 2,3-di...	14.01	3.5	ug/L	965479	3	13.23	1393120	5.0
Benzene, 1,2,3,4-...	14.09	10.7	ug/L	2975360	3	13.23	1393120	5.0