LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
Data File : VD070315.D
Acq On : 10 Sep 2021 22:30
Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

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_D\Method\82D090821S.M
Title : SW846 8260

Signal : TIC: VD070315.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.332	1423	1430	1442	rVB	104385	216500	2.31%	0.170%
2	11.043	1541	1551	1559	rBV4	33093	95833	1.02%	0.075%
3	11.185	1567	1575	1580	rBV	67110	111133	1.19%	0.087%
4	11.243	1580	1585	1590	rVB2	84425	145422	1.55%	0.114%
5	11.349	1597	1603	1607	rBV3	60023	100672	1.07%	0.079%
6	11.426	1607	1616	1627	rVB5	138361	446459	4.76%	0.350%
7	11.526	1627	1633	1638	rBV	169789	294671	3.14%	0.231%
8	11.638	1646	1652	1657	rBV	111608	202097	2.16%	0.158%
9	11.820	1678	1683	1688	rVB4	80039	152116	1.62%	0.119%
10	11.885	1688	1694	1697	rVV2	209425	378323	4.04%	0.296%
11	11.926	1698	1701	1706	rVB2	138347	208876	2.23%	0.164%
12	12.073	1718	1726	1731	rBV4	92554	184067	1.96%	0.144%
13	12.149	1731	1739	1745	rBV3	367982	824615	8.80%	0.646%
14	12.261	1751	1758	1763	rVB	514363	818359	8.73%	0.641%
15	12.343	1763	1772	1774	rBV4	368817	840683	8.97%	0.659%
16	12.379	1774	1778	1785	rVB2	428705	983299	10.49%	0.770%
17	12.520	1794	1802	1804	rBV3	384829	842796	8.99%	0.660%
18	12.549	1804	1807	1814	rVB3	609093	1006030	10.74%	0.788%
19	12.626	1817	1820	1823	rBV4	97010	123969	1.32%	0.097%
20	12.661	1823	1826	1830	rVB	418908	499021	5.33%	0.391%
21	12.714	1830	1835	1838	rBV4	208642	351867	3.76%	0.276%
22	12.790	1840	1848	1855	rVB6	668857	1643711	17.54%	1.288%
23	12.867	1855	1861	1866	rBV4	391801	890009	9.50%	0.697%
24	12.949	1867	1875	1880	rBV5	1094467	2827243	30.17%	2.215%
25	13.002	1880	1884	1889	rVB3	650176	1100108	11.74%	0.862%
26	13.049	1890	1892	1894	rBV3	90339	108407	1.16%	0.085%
27	13.090	1894	1899	1902	rBV3	762033	1249100	13.33%	0.979%
28	13.137	1903	1907	1909	rVV3	540888	771001	8.23%	0.604%
29	13.173	1909	1913	1921	rVB	2715916	4246423	45.32%	3.327%
30	13.302	1931	1935	1939	rBV	820597	1184373	12.64%	0.928%
31	13.355	1940	1944	1947	rBV	701466	978580	10.44%	0.767%
32	13.455	1952	1961	1965	rVV4	1917522	4324728	46.16%	3.388%
33	13.496	1965	1968	1971	rVV2	1594497	1990423	21.24%	1.559%
34	13.532	1971	1974	1979	rVB3	919658	1278433	13.64%	1.001%
35	13.602	1982	1986	1989	rBV3	651232	1133358	12.10%	0.888%
36	13.726	1998	2007	2014	rBV4	1330650	3412527	36.42%	2.673%

LSC Area Percent Report

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Acq On : 10 Sep 2021 22:30
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Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

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_D\Method\82D090821S.M
Title : SW846 8260

37	13.814	2018	2022	2028	rBV4	468504	1194642	12.75%	0.936%
38	13.890	2029	2035	2039	rBV3	3200406	5926079	63.25%	4.642%
39	13.932	2039	2042	2044	rBV	551131	657367	7.02%	0.515%
40	14.043	2056	2061	2066	rBV6	975824	2179204	23.26%	1.707%
41	14.102	2067	2071	2076	rVB	3530171	4980418	53.15%	3.901%
42	14.143	2076	2078	2085	rVB2	1257825	1898554	20.26%	1.487%
43	14.214	2085	2090	2095	rVB4	2360941	4002206	42.71%	3.135%
44	14.273	2096	2100	2106	rVB4	1413293	2422940	25.86%	1.898%
45	14.349	2106	2113	2117	rBV3	1828620	4261613	45.48%	3.338%
46	14.396	2117	2121	2124	rBV2	3022483	4895764	52.25%	3.835%
47	14.508	2136	2140	2144	rBV3	1746975	3238063	34.56%	2.537%
48	14.555	2145	2148	2154	rVV4	1938458	3418233	36.48%	2.678%
49	14.614	2155	2158	2162	rVB3	575001	856408	9.14%	0.671%
50	14.702	2169	2173	2177	rBV3	1045950	1550865	16.55%	1.215%
51	14.749	2178	2181	2185	rVB3	774555	1014834	10.83%	0.795%
52	14.808	2186	2191	2196	rBV4	4077149	9369875	100.00%	7.340%
53	14.861	2196	2200	2207	rVB4	3748454	7699412	82.17%	6.031%
54	15.079	2233	2237	2242	rVB3	3481509	5396518	57.59%	4.227%
55	15.126	2242	2245	2251	rVV4	846876	1873359	19.99%	1.468%
56	15.196	2251	2257	2263	rVB2	2701669	5916108	63.14%	4.634%
57	15.349	2278	2283	2291	rVB3	2119708	3882961	41.44%	3.042%
58	15.431	2291	2297	2301	rBV5	901819	2088204	22.29%	1.636%
59	15.496	2303	2308	2312	rBV3	1355611	2485369	26.53%	1.947%
60	15.684	2332	2340	2347	rBV2	1738826	4346230	46.39%	3.405%
61	15.761	2349	2353	2359	rVB7	840294	1573762	16.80%	1.233%
62	15.979	2386	2390	2395	rVB3	589827	963625	10.28%	0.755%
63	16.202	2423	2428	2434	rBV4	518734	1041516	11.12%	0.816%
64	16.678	2502	2509	2523	rVB3	812083	2554569	27.26%	2.001%

Sum of corrected areas: 127653930

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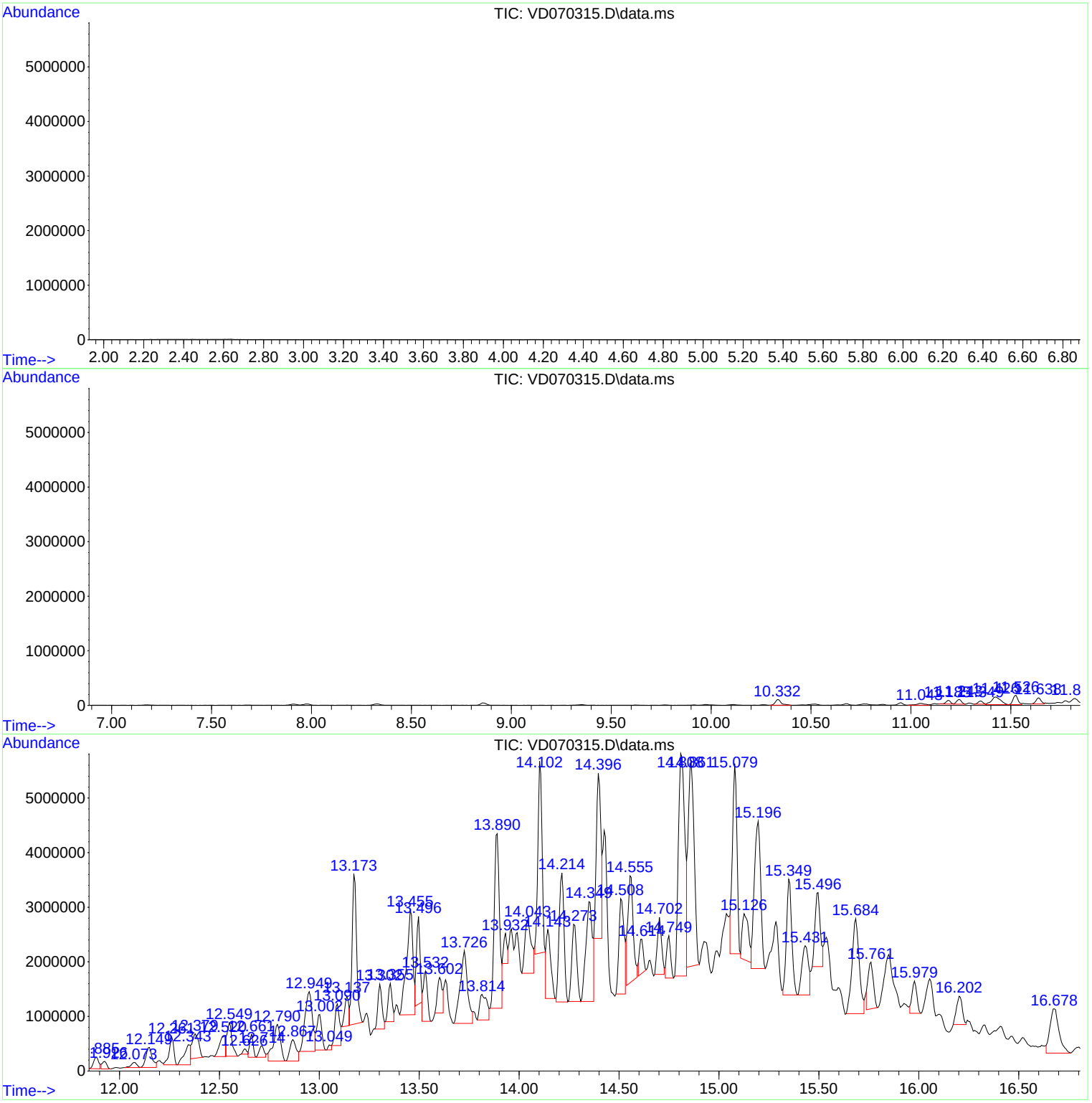
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
Data File : VD070315.D
Acq On : 10 Sep 2021 22:30
Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

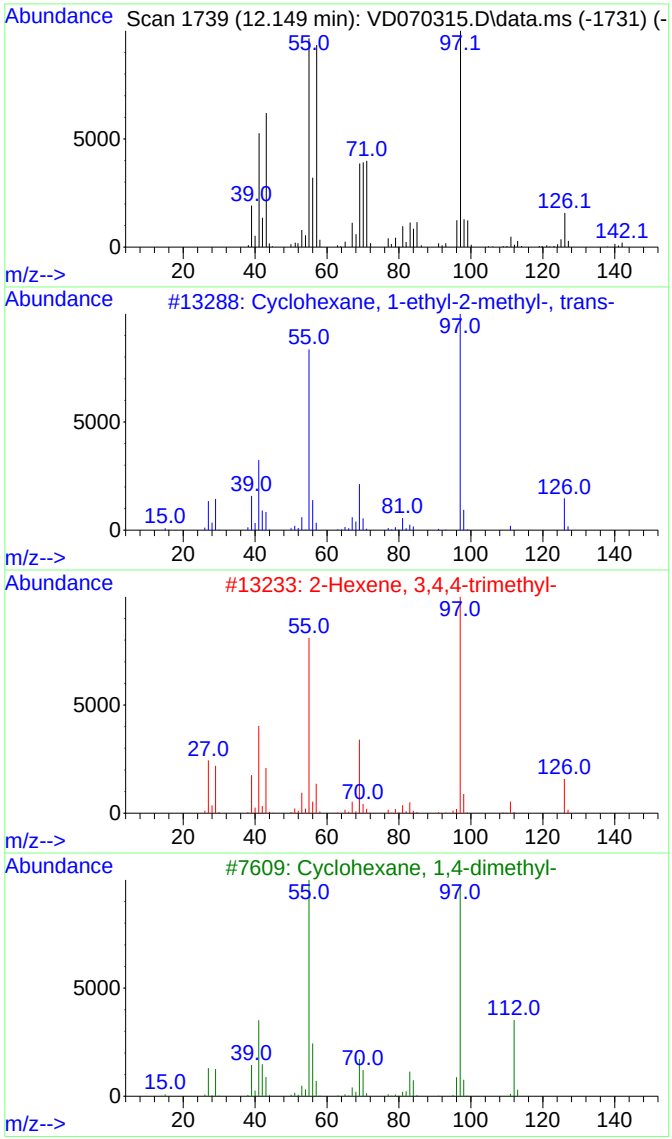
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

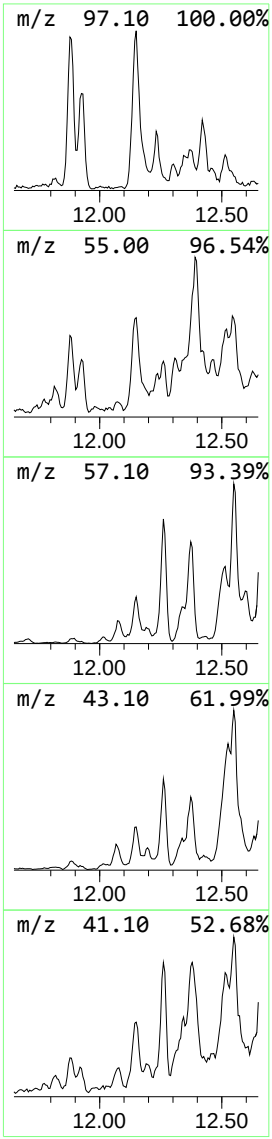
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown12.149 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.149	204.01 ug/l	824615	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	41
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	38
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	38
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	38
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
Data File : VD070315.D
Acq On : 10 Sep 2021 22:30
Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

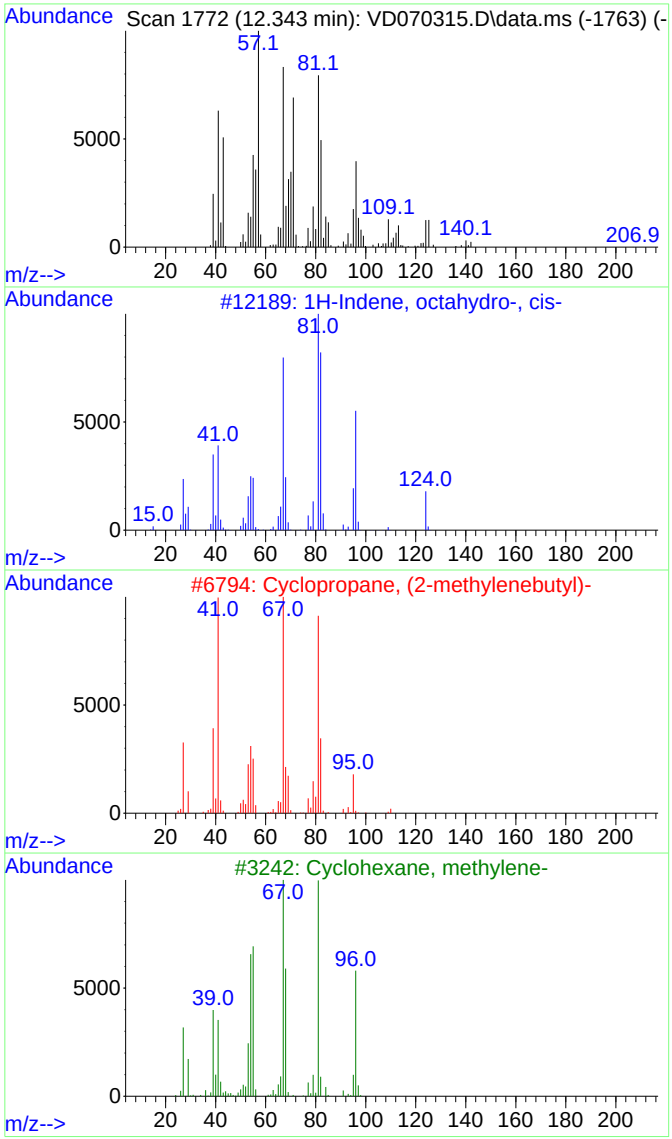
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

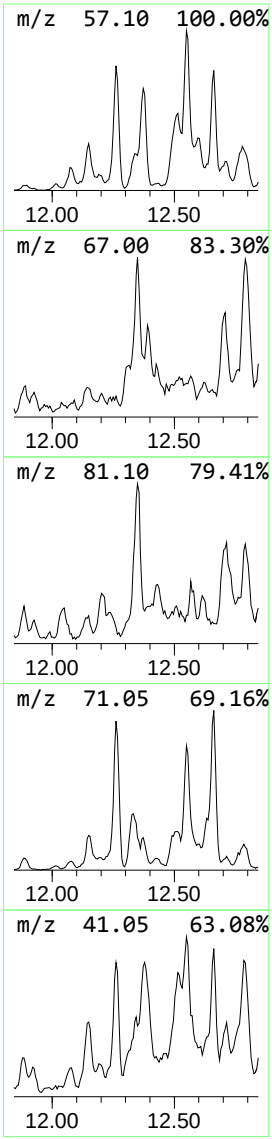
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1H-Indene, octahydro-, cis- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.343	207.99 ug/l	840683	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	64
2	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	55
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	49
4	7-Methyl-8-oxabicyclo[4.3.0]nonane	140	C9H16O	1000216-87-6	49
5	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
Data File : VD070315.D
Acq On : 10 Sep 2021 22:30
Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

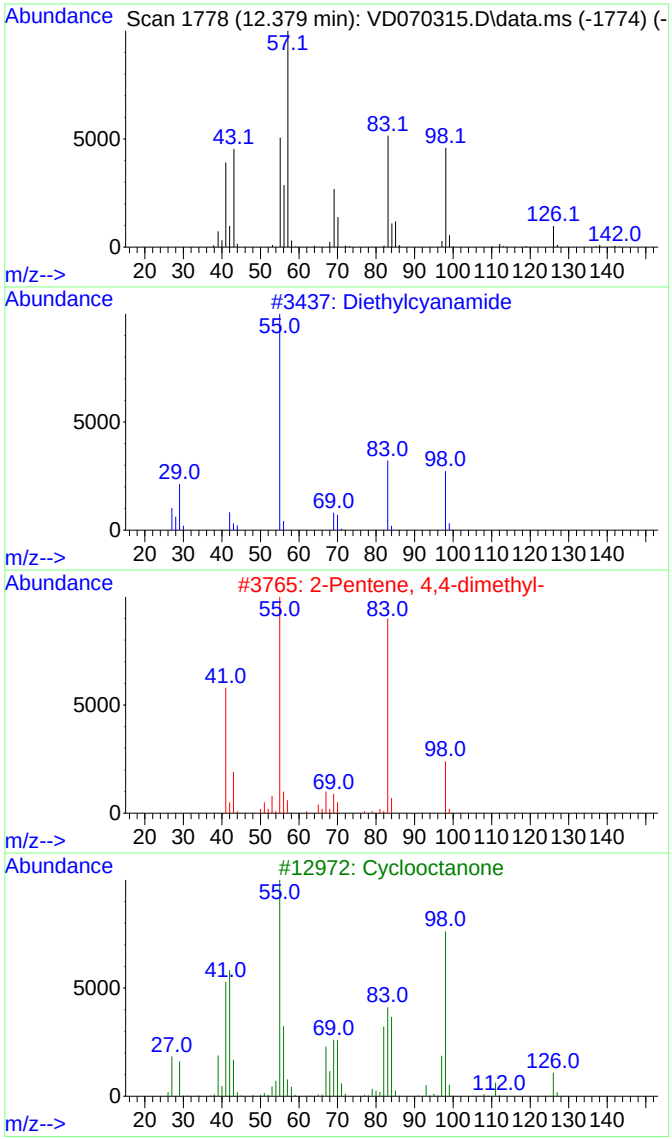
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

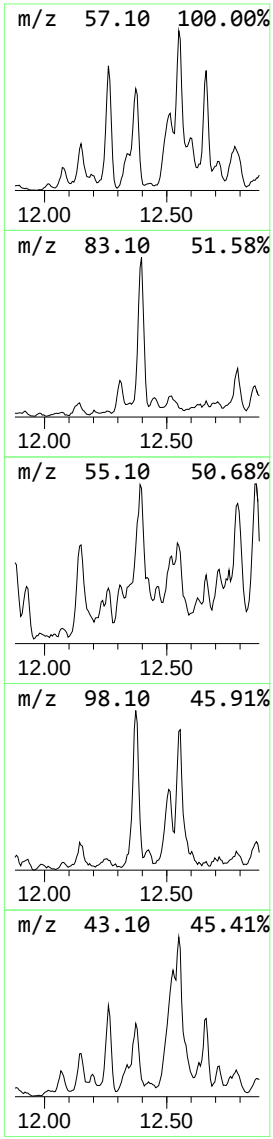
****

Peak Number 3 unknown12.379 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.379	243.27 ug/l	983299	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethylcyanamide	98	C5H10N2	000617-83-4	47
2	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	47
3	Cyclooctanone	126	C8H14O	000502-49-8	47
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	46
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
Data File : VD070315.D
Acq On : 10 Sep 2021 22:30
Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-1

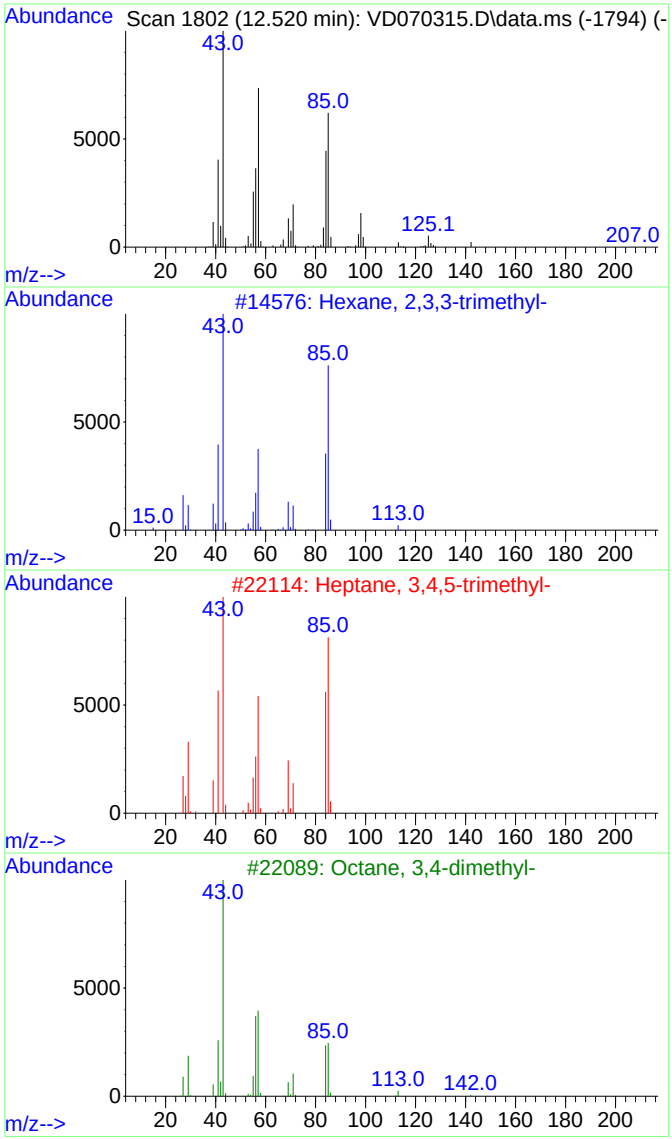
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

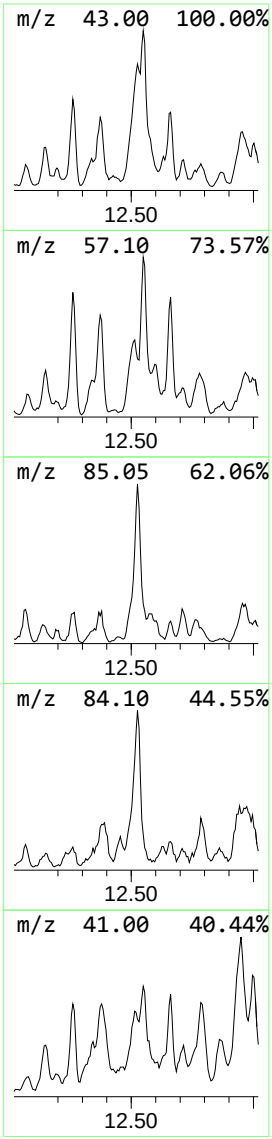
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hexane, 2,3,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.520	208.51 ug/l	842796	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	80
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72
3	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	58
4	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	50
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
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Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

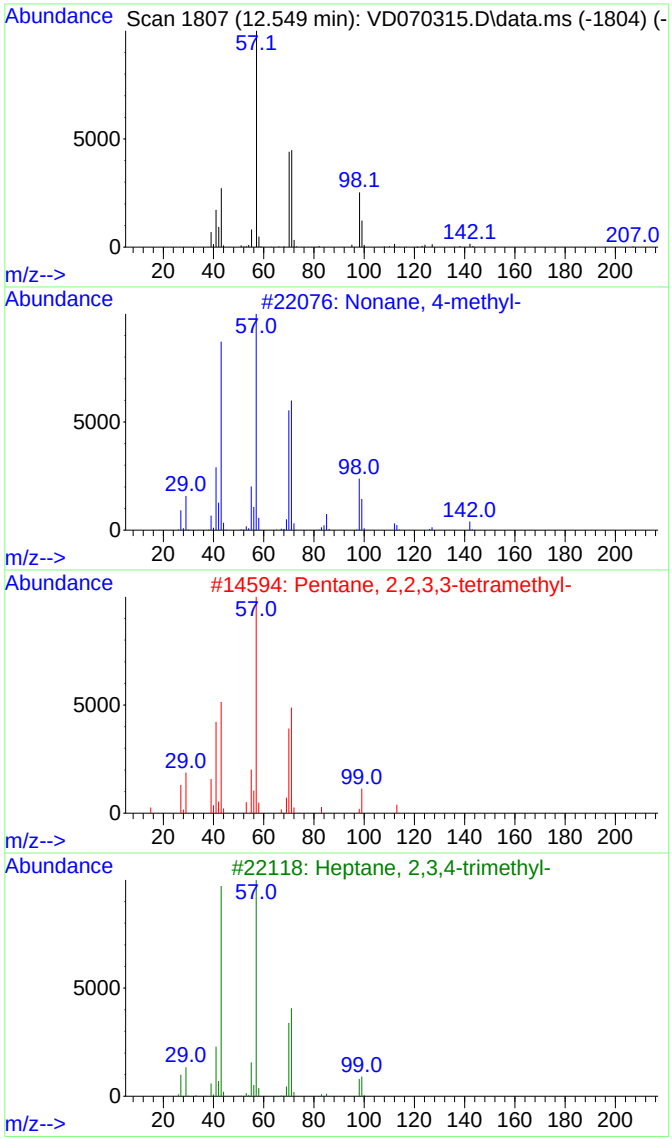
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

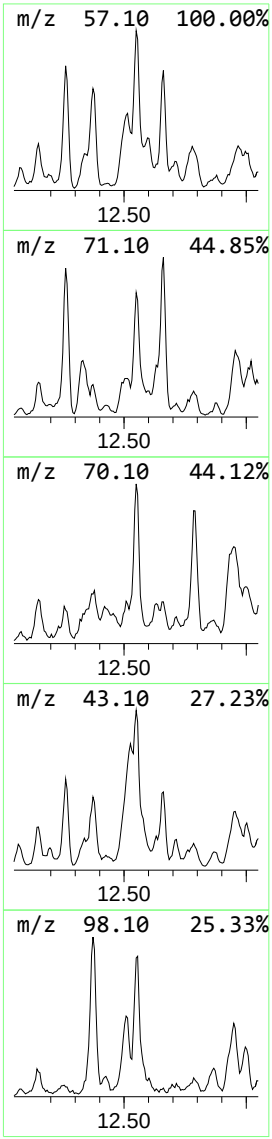
****

Peak Number 5 Nonane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.549	248.90 ug/l	1006030	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	74
2	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43





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ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

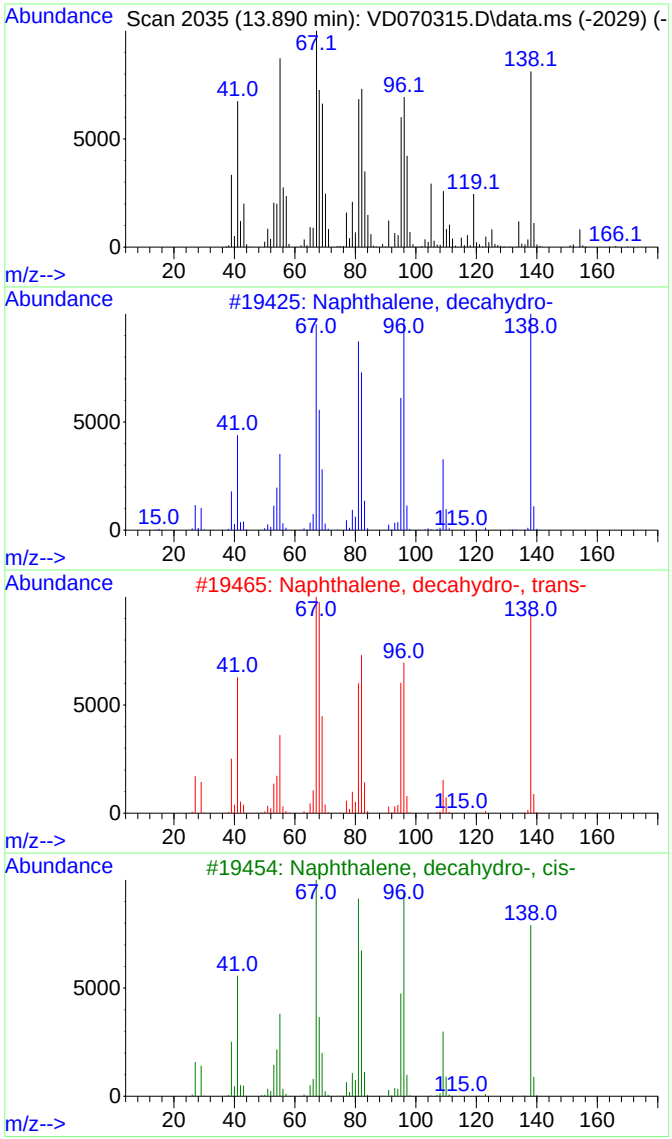
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

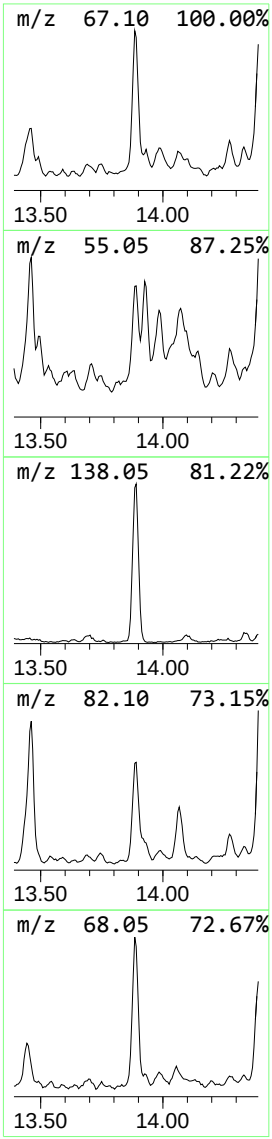
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, decahydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.890	231.77 ug/l	5926080	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	94
4	Spiro[4.5]decane	138	C10H18	000176-63-6	76
5	Cyclodecene	138	C10H18	003618-12-0	74





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Data File : VD070315.D
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Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

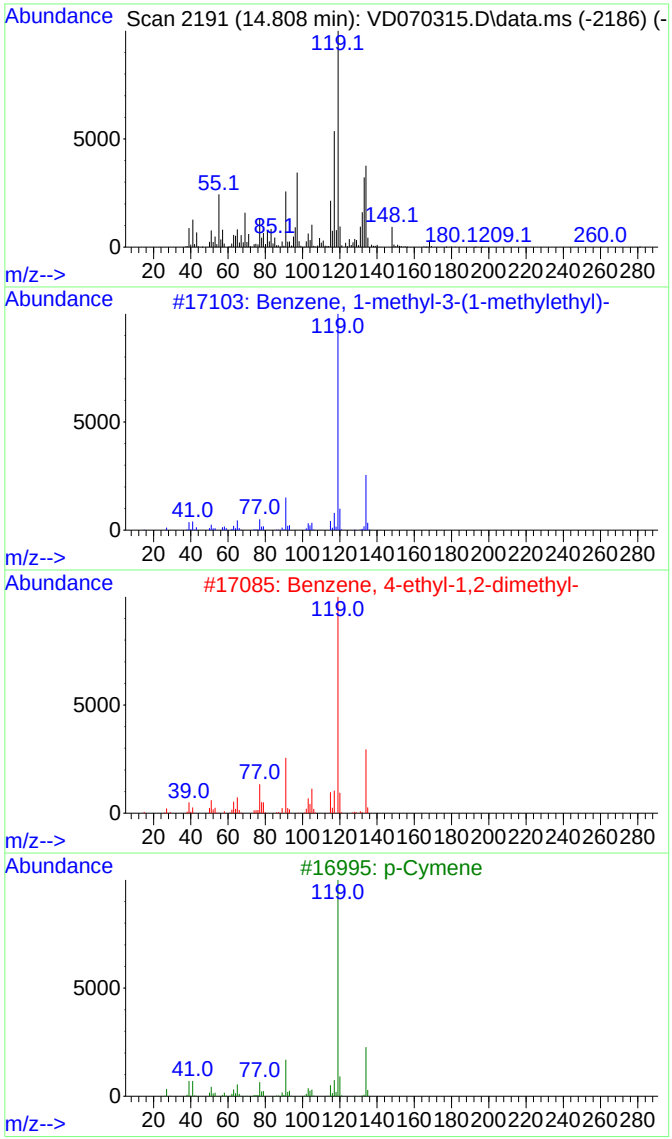
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

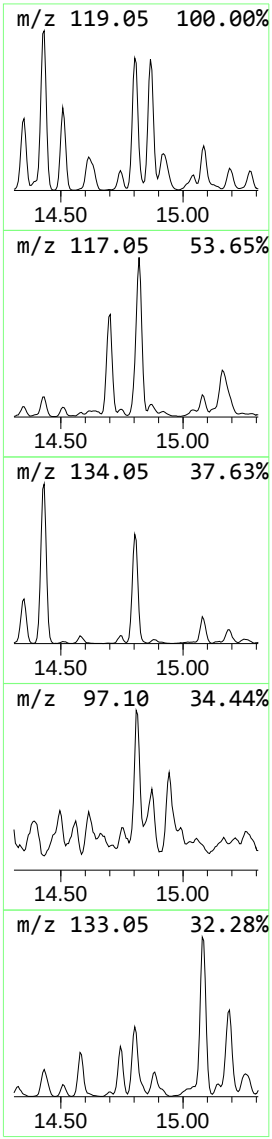
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.808	366.46 ug/l	9369880	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
3	p-Cymene	134	C10H14	000099-87-6	50
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
5	o-Cymene	134	C10H14	000527-84-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
Data File : VD070315.D
Acq On : 10 Sep 2021 22:30
Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

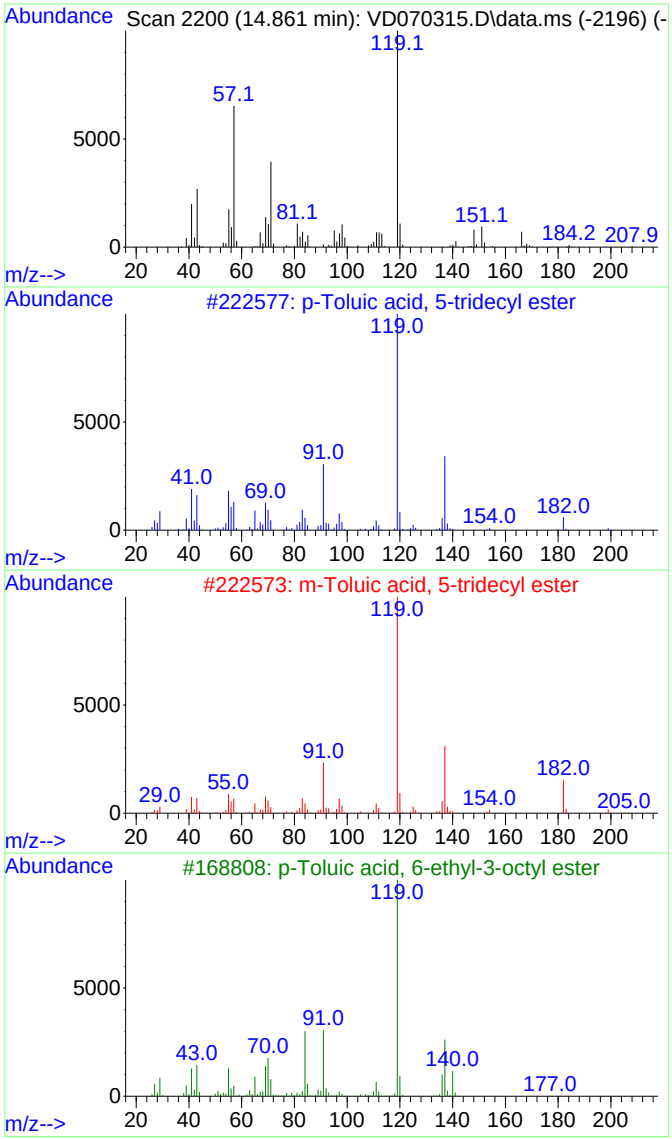
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

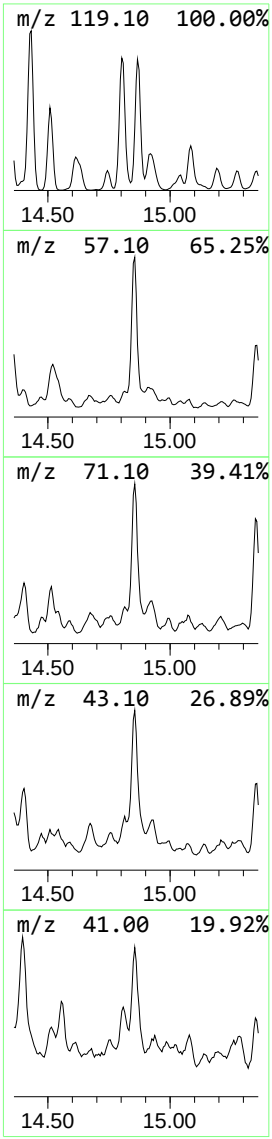
****

Peak Number 8 unknown14.861 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.861	301.13 ug/l	7699410	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Toluic acid, 5-tridecyl ester	318	C21H34O2	1000299-80-5	43
2	m-Toluic acid, 5-tridecyl ester	318	C21H34O2	1000299-78-1	43
3	p-Toluic acid, 6-ethyl-3-octyl e...	276	C18H28O2	1000293-34-2	37
4	5-Chlorovaleric acid, 5-tridecyl...	318	C18H35ClO2	1000299-91-5	37
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
Data File : VD070315.D
Acq On : 10 Sep 2021 22:30
Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-1

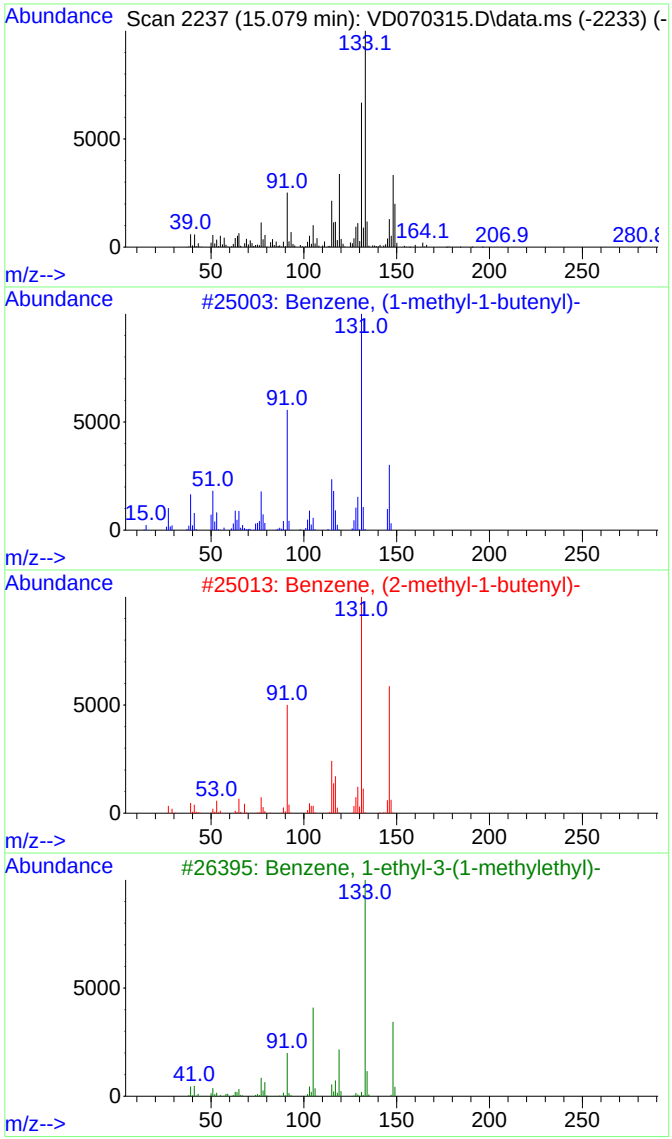
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

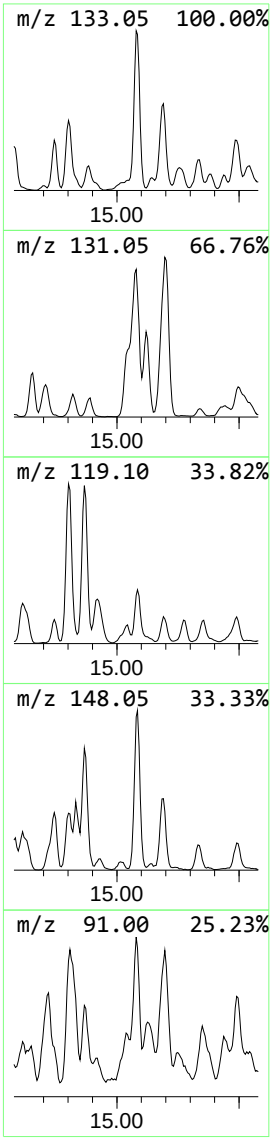
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, (1-methyl-1-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.079	211.06 ug/l	5396520	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	76
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	74
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	49
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	46
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
Data File : VD070315.D
Acq On : 10 Sep 2021 22:30
Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

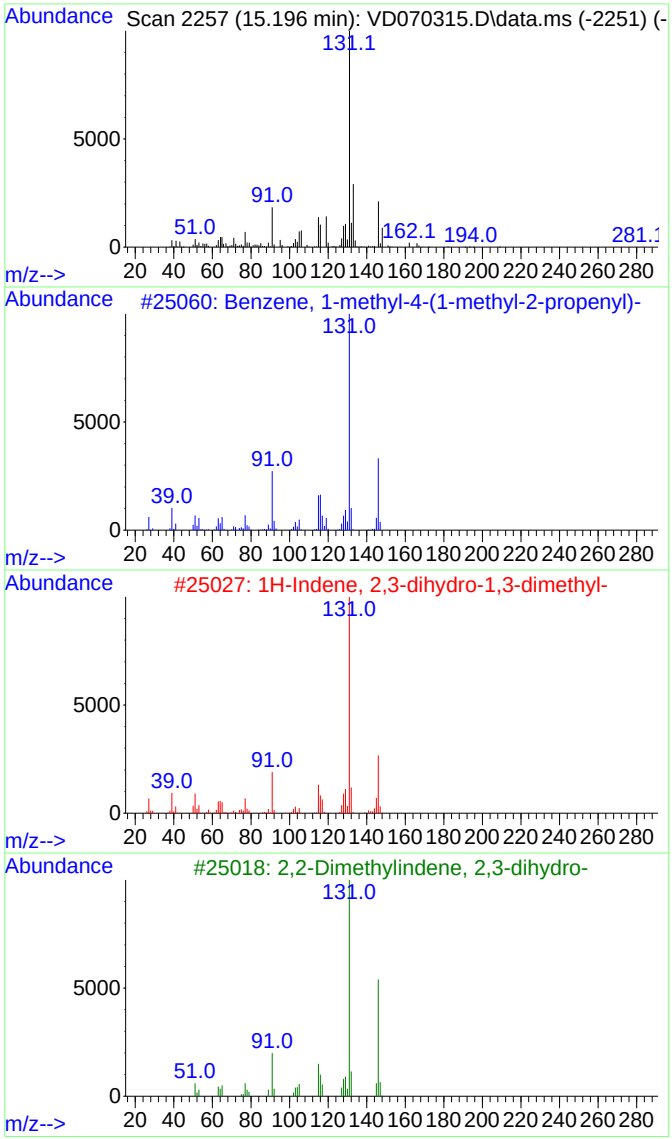
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

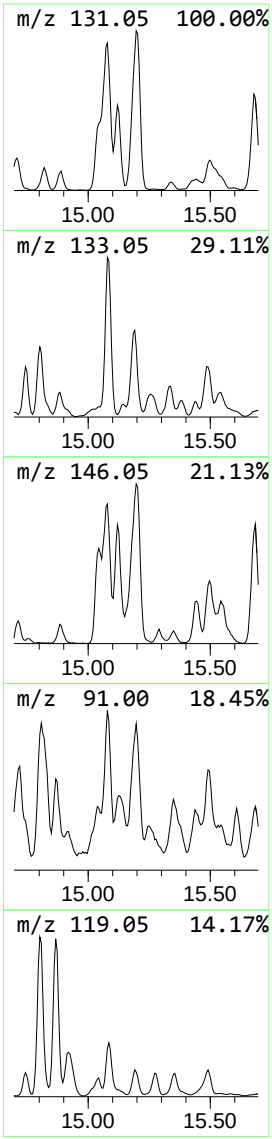
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-methyl-4-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.196	231.38 ug/l	5916110	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	81
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	81
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
Data File : VD070315.D
Acq On : 10 Sep 2021 22:30
Operator : VA/SY
Sample : M3694-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : S-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown12.149	12.149	204.0	ug/l	824615	3	11.638	202097	50.0
1H-Indene, octa...	12.343	208.0	ug/l	840683	3	11.638	202097	50.0
unknown12.379	12.379	243.3	ug/l	983299	3	11.638	202097	50.0
Hexane, 2,3,3-t...	12.520	208.5	ug/l	842796	3	11.638	202097	50.0
Nonane, 4-methyl-	12.549	248.9	ug/l	1006030	3	11.638	202097	50.0
Naphthalene, de...	13.890	231.8	ug/l	5926080	4	13.561	1278430	50.0
Benzene, 1-meth...	14.808	366.5	ug/l	9369880	4	13.561	1278430	50.0
unknown14.861	14.861	301.1	ug/l	7699410	4	13.561	1278430	50.0
Benzene, (1-met...	15.079	211.1	ug/l	5396520	4	13.561	1278430	50.0
Benzene, 1-meth...	15.196	231.4	ug/l	5916110	4	13.561	1278430	50.0