LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068172.D
Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-104

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\82D011921S.M
Title : SW846 8260

Signal : TIC: VD068172.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.026	502	528	559	rBV4	768200	4034062	1.51%	0.073%
2	6.003	678	694	718	rBV	1903812	6436491	2.40%	0.116%
3	7.038	860	870	890	rVB	3374866	11032330	4.12%	0.199%
4	7.979	1009	1030	1041	rVV4	17124269	61291456	22.88%	1.104%
5	8.073	1041	1046	1058	rVV	4835356	13950324	5.21%	0.251%
6	8.203	1058	1068	1086	rVV	17511258	51543233	19.24%	0.928%
7	8.356	1086	1094	1103	rVV	3219986	8182506	3.05%	0.147%
8	8.473	1103	1114	1120	rVV2	6010551	17415457	6.50%	0.314%
9	8.544	1120	1126	1131	rVV2	4328790	11582389	4.32%	0.209%
10	8.609	1131	1137	1149	rVV	6264914	17110089	6.39%	0.308%
11	8.732	1149	1158	1175	rVV	31254793	79478552	29.67%	1.431%
12	9.367	1249	1266	1287	rBV2	65758052	203314164	75.89%	3.661%
13	9.550	1288	1297	1304	rBV	9870855	22878627	8.54%	0.412%
14	9.638	1305	1312	1327	rVB	8079620	21780412	8.13%	0.392%
15	9.785	1327	1337	1350	rBV2	8637464	21573572	8.05%	0.388%
16	9.932	1352	1362	1365	rBV	5987136	13447119	5.02%	0.242%
17	9.991	1365	1372	1386	rVB3	37169885	126489951	47.21%	2.278%
18	10.132	1386	1396	1410	rVB	33726993	105600436	39.42%	1.902%
19	10.273	1410	1420	1426	rBV4	4954628	13298326	4.96%	0.239%
20	10.355	1426	1434	1438	rBV2	48326602	126629369	47.26%	2.280%
21	10.403	1438	1442	1451	rVB4	59065821	163973581	61.20%	2.953%
22	10.479	1451	1455	1457	rBV	8563356	13144897	4.91%	0.237%
23	10.532	1457	1464	1467	rBV3	59537280	129970325	48.51%	2.340%
24	10.697	1480	1492	1501	rVB2	31875415	87028187	32.48%	1.567%
25	10.791	1501	1508	1517	rBV	42707645	105947840	39.55%	1.908%
26	10.879	1517	1523	1531	rVB	15965671	36147272	13.49%	0.651%
27	10.973	1531	1539	1545	rBV	28489435	73423357	27.41%	1.322%
28	11.073	1550	1556	1563	rBV	21357651	54839032	20.47%	0.988%
29	11.208	1563	1579	1584	rVV6	44466792	179229818	66.90%	3.228%
30	11.261	1584	1588	1595	rVB	42417456	95523426	35.65%	1.720%
31	11.367	1600	1606	1612	rBV3	27514164	69036003	25.77%	1.243%
32	11.467	1612	1623	1631	rVB6	66161589	267915606	100.00%	4.825%
33	11.550	1631	1637	1656	rVB5	56171098	194295359	72.52%	3.499%
34	11.708	1657	1664	1666	rBV	10211218	21721773	8.11%	0.391%
35	11.755	1666	1672	1678	rBV3	59170682	162708549	60.73%	2.930%
36	11.855	1683	1689	1693	rBV3	54602956	130562622	48.73%	2.351%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
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Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-104

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\82D011921S.M
Title : SW846 8260

37	11.902	1694	1697	1702	rVB3	33626068	59244223	22.11%	1.067%
38	12.026	1712	1718	1723	rBV5	6623640	17668036	6.59%	0.318%
39	12.097	1723	1730	1735	rVB3	23199048	47890033	17.88%	0.862%
40	12.185	1735	1745	1748	rBV5	79062964	243752074	90.98%	4.389%
41	12.291	1757	1763	1768	rVB3	35777014	82860511	30.93%	1.492%
42	12.379	1771	1778	1779	rBV2	42979652	85736948	32.00%	1.544%
43	12.497	1793	1798	1801	rBV	25210120	50925597	19.01%	0.917%
44	12.697	1822	1832	1836	rBV5	43935856	114061014	42.57%	2.054%
45	12.820	1847	1853	1860	rVB4	58257824	151721831	56.63%	2.732%
46	12.897	1860	1866	1871	rBV5	65333248	200518641	74.84%	3.611%
47	12.985	1879	1881	1885	rVB4	47326476	57060636	21.30%	1.028%
48	13.026	1885	1888	1894	rVB3	45243272	79314988	29.60%	1.428%
49	13.126	1894	1905	1913	rBV4	63275776	240973621	89.94%	4.339%
50	13.202	1913	1918	1924	rVB5	47025902	103305566	38.56%	1.860%
51	13.279	1925	1931	1932	rBV5	52938390	87419270	32.63%	1.574%
52	13.379	1944	1948	1950	rBV4	15763118	25221672	9.41%	0.454%
53	13.408	1950	1953	1958	rVB3	29622746	47702079	17.80%	0.859%
54	13.473	1958	1964	1968	rBV5	56708038	119048333	44.44%	2.144%
55	13.514	1968	1971	1975	rVV2	31698468	52209714	19.49%	0.940%
56	13.579	1979	1982	1984	rVV2	15851929	20001624	7.47%	0.360%
57	13.614	1984	1988	1992	rVV2	46802747	80946575	30.21%	1.458%
58	13.649	1992	1994	2000	rVB3	21055008	28189824	10.52%	0.508%
59	13.738	2000	2009	2011	rBV4	23736300	56467773	21.08%	1.017%
60	13.779	2011	2016	2020	rVV4	60347904	125476725	46.83%	2.260%
61	13.820	2020	2023	2032	rVB5	39810382	94695678	35.35%	1.705%
62	13.902	2032	2037	2043	rBV3	69593478	135426265	50.55%	2.439%
63	13.973	2045	2049	2055	rVV	24430532	45113009	16.84%	0.812%
64	14.038	2056	2060	2062	rVV	22434453	36352374	13.57%	0.655%
65	14.061	2062	2064	2069	rVV	23687769	35603933	13.29%	0.641%
66	14.120	2069	2074	2079	rVB	26983806	43657114	16.30%	0.786%
67	14.232	2087	2093	2098	rVB2	31703685	56284183	21.01%	1.014%
68	14.302	2099	2105	2109	rVV6	5239081	12203195	4.55%	0.220%
69	14.361	2109	2115	2119	rVV4	11151551	20968390	7.83%	0.378%
70	14.408	2119	2123	2127	rVV2	17562150	30181056	11.27%	0.543%
71	14.444	2127	2129	2132	rVV3	8995624	11600905	4.33%	0.209%
72	14.479	2132	2135	2139	rVB	11181618	15051729	5.62%	0.271%
73	14.520	2139	2142	2146	rVB2	6299051	7807495	2.91%	0.141%
74	14.567	2146	2150	2156	rVB5	6986737	12396715	4.63%	0.223%
75	14.626	2156	2160	2164	rBV2	3798137	7587388	2.83%	0.137%
76	14.714	2170	2175	2178	rBV2	7435732	14030389	5.24%	0.253%

LSC Area Percent Report

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Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-104

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\82D011921S.M
Title : SW846 8260

77	14.749	2178	2181	2187	rVV2	9880989	15235036	5.69%	0.274%
78	14.832	2187	2195	2200	rVV3	13379474	32336962	12.07%	0.582%
79	14.879	2201	2203	2210	rVB5	3456970	5311852	1.98%	0.096%
80	14.985	2216	2221	2227	rVB	8238954	13697366	5.11%	0.247%
81	15.091	2234	2239	2243	rVB3	1908771	2983360	1.11%	0.054%
82	15.208	2252	2259	2265	rVB3	1835159	4399400	1.64%	0.079%

Sum of corrected areas: 5553177614

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
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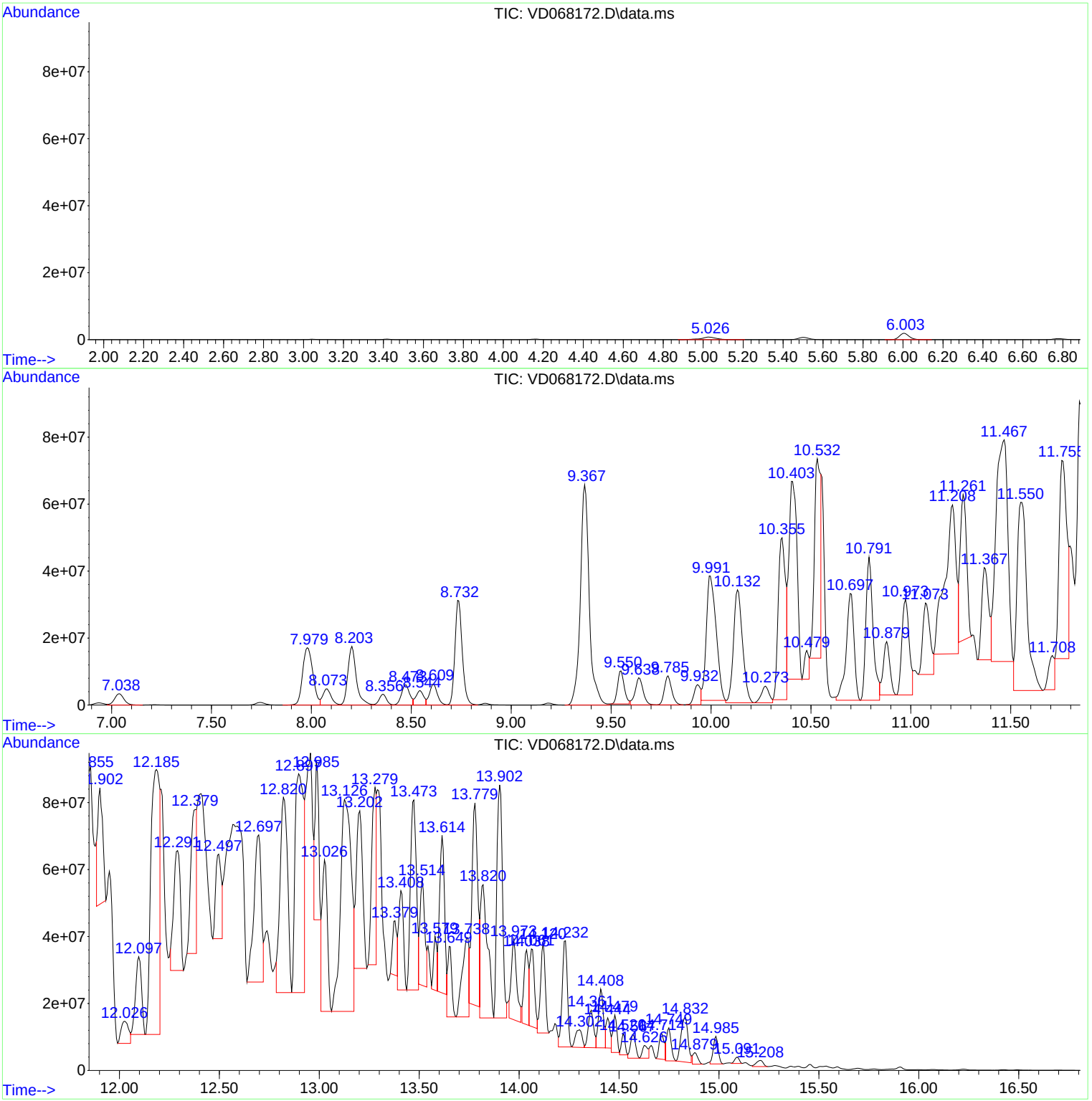
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068172.D
Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-104

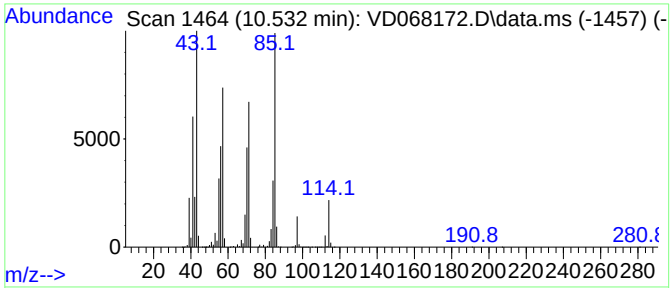
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

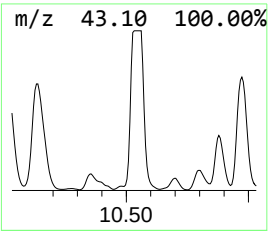
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

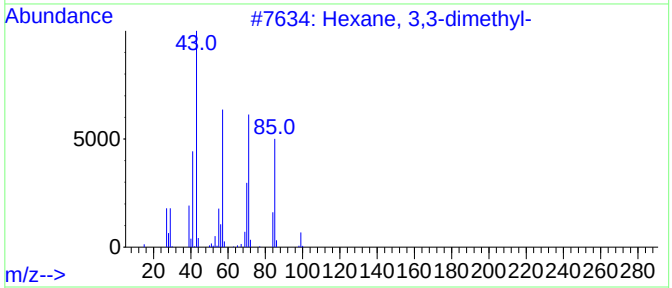
****
Peak Number 1 Hexane, 3,3-dimethyl- Concentration Rank 8

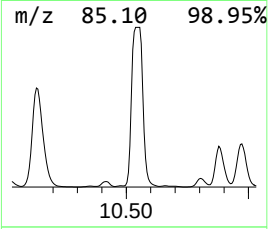
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.532	299.17 ug/l	129970000	Chlorobenzene-d5	11.655

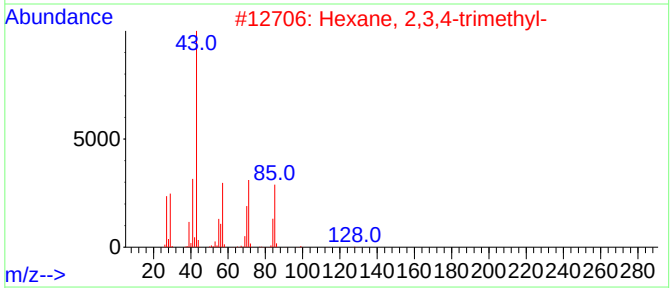
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
3	Octane	114	C8H18	000111-65-9	53
4	4-Methyl-5-nonanone	156	C10H20O	035900-26-6	47
5	Carbonic acid, dihexyl ester	230	C13H26O3	007523-15-1	47

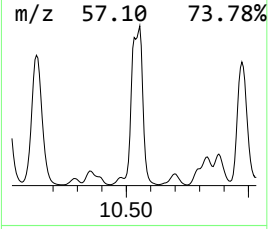


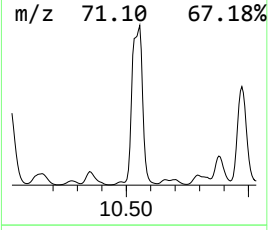


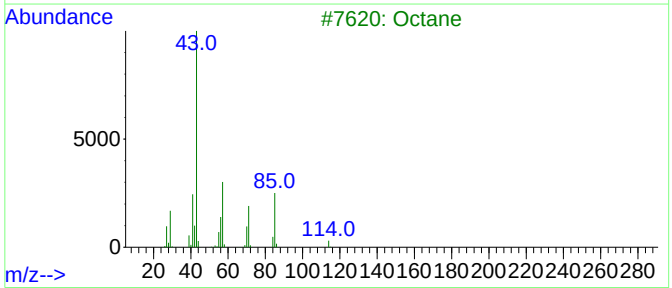


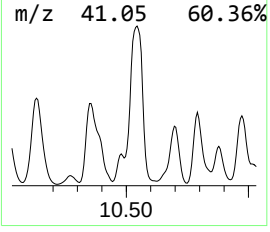












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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-104

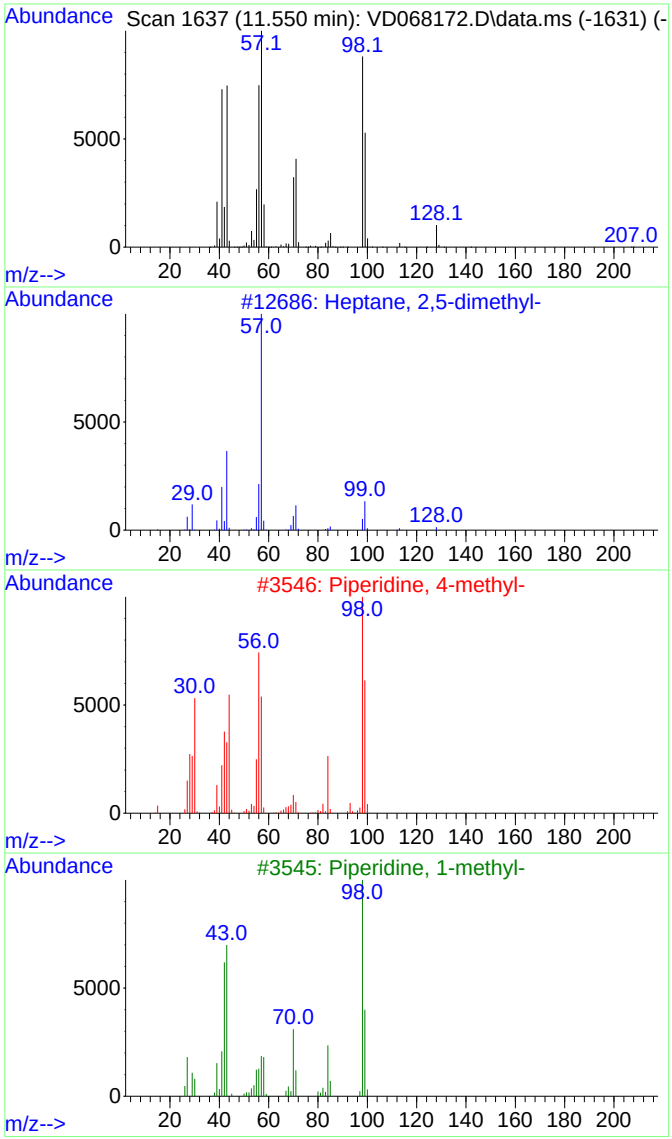
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

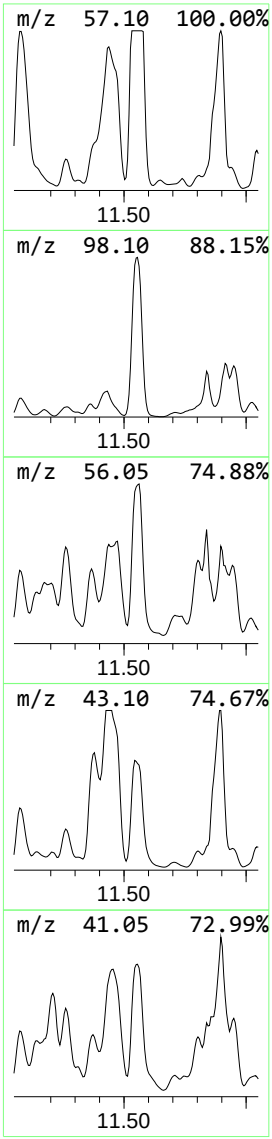
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptane, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.550	447.24 ug/l	194295000	Chlorobenzene-d5	11.655

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
2	Piperidine, 4-methyl-	99	C6H13N	000626-58-4	50
3	Piperidine, 1-methyl-	99	C6H13N	000626-67-5	47
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
5	Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	35





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Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

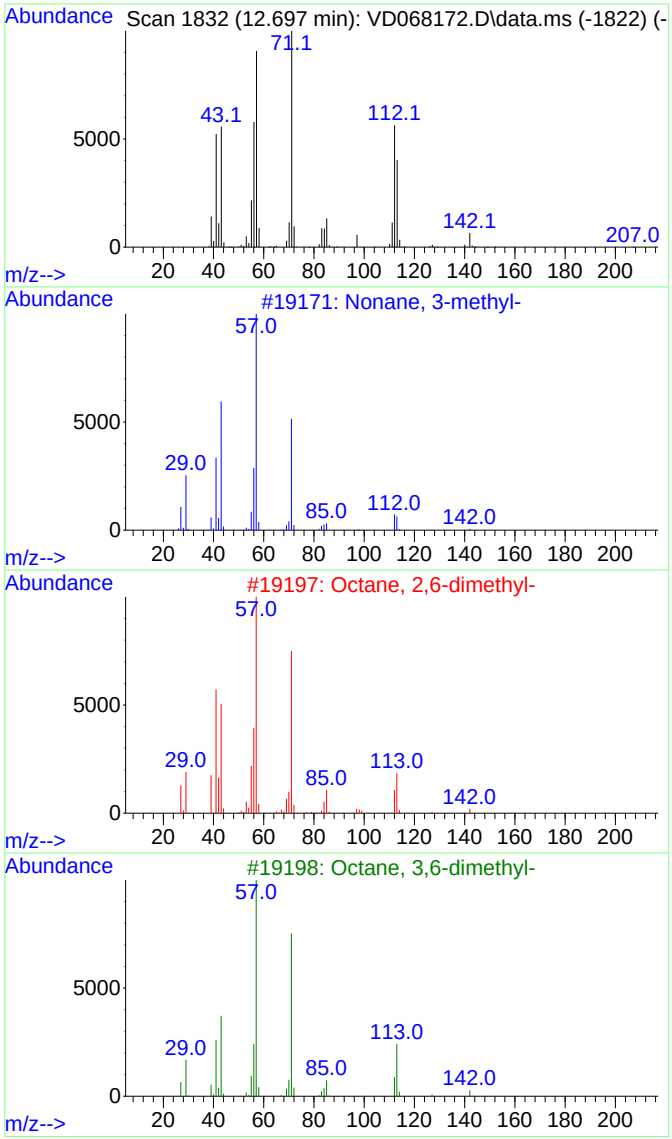
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

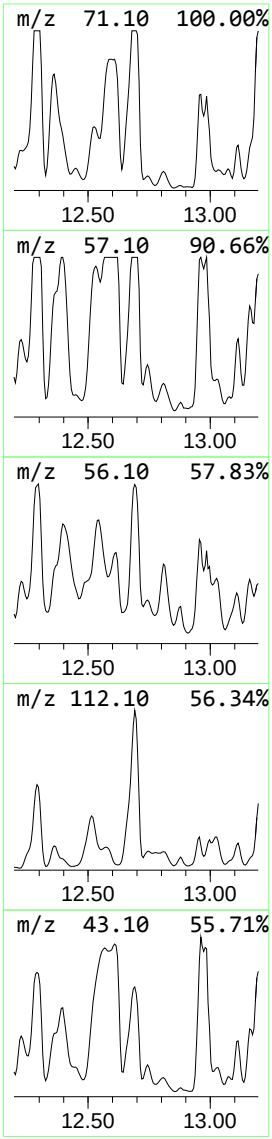
****

Peak Number 5 Nonane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.697	285.13 ug/l	114061000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	80
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	62
4	Decane, 4-methyl-	156	C11H24	002847-72-5	53
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	47





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Data File : VD068172.D
Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-104

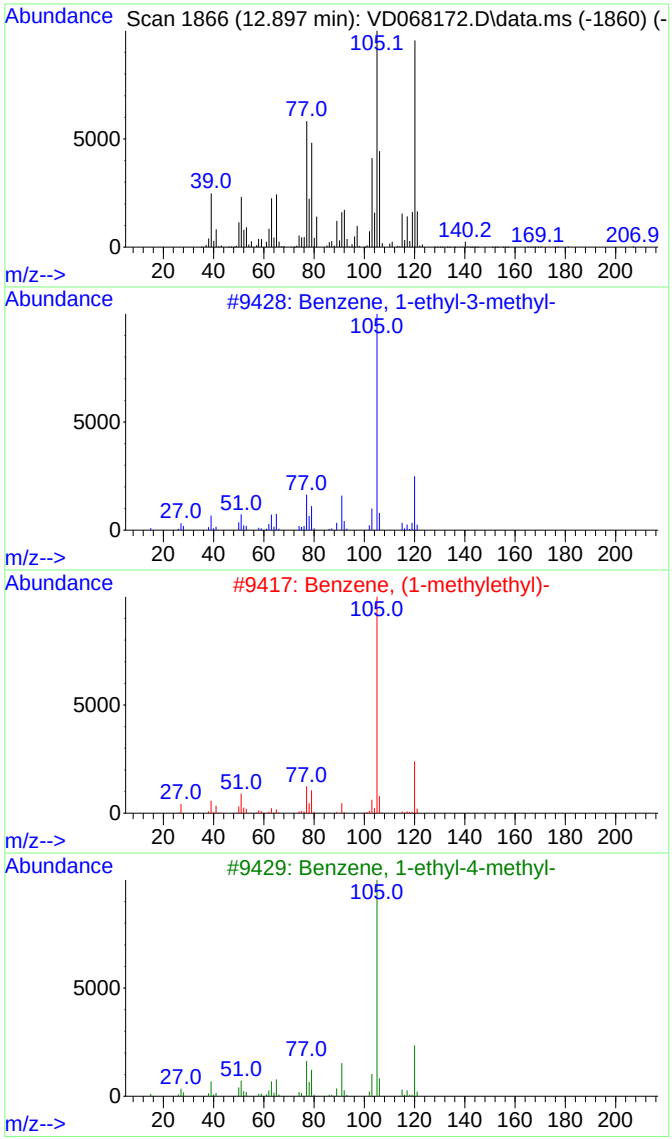
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

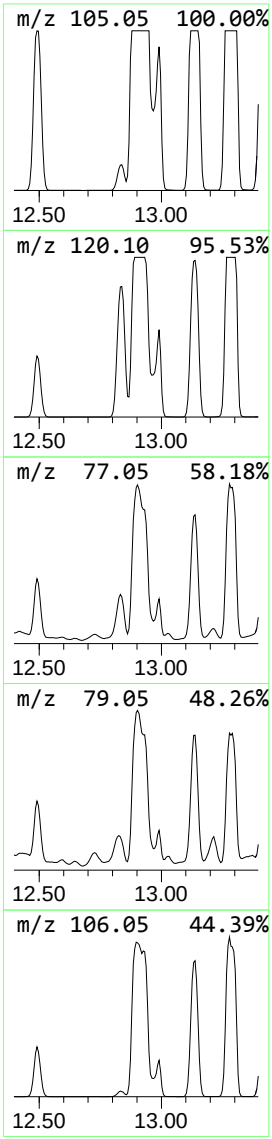
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.897	501.26 ug/l	200519000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	72
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	68
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64
5	1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068172.D
Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-104

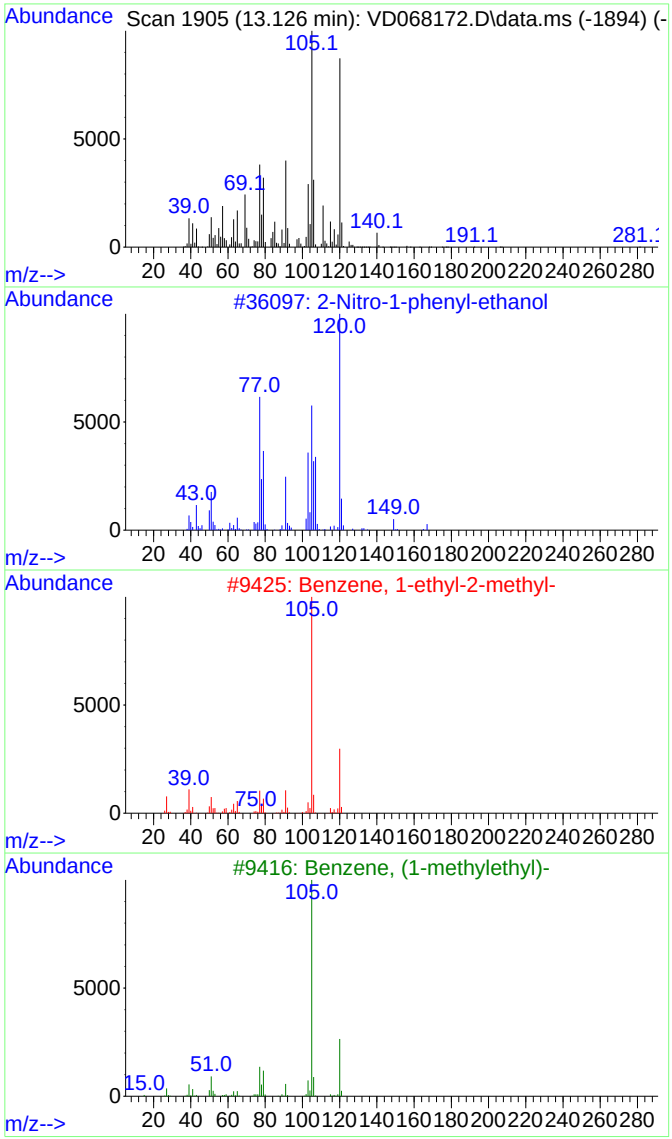
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

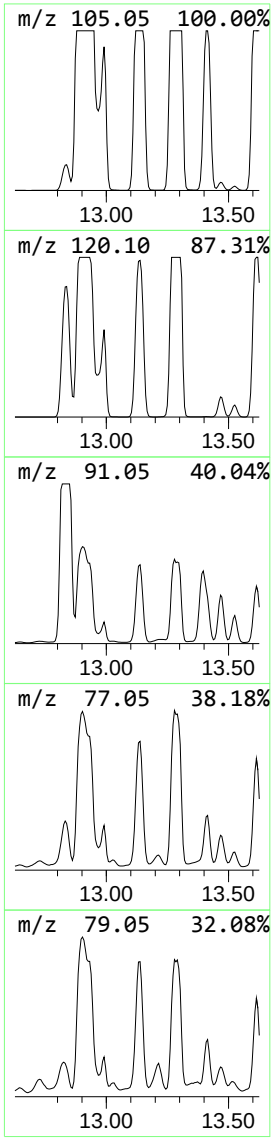
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2-Nitro-1-phenyl-ethanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.126	602.38 ug/l	240974000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nitro-1-phenyl-ethanol	167	C8H9NO3	015990-45-1	80
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	74
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64
5	Cyclohexene, 1-(1-propynyl)-	120	C9H12	001655-05-6	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068172.D
Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

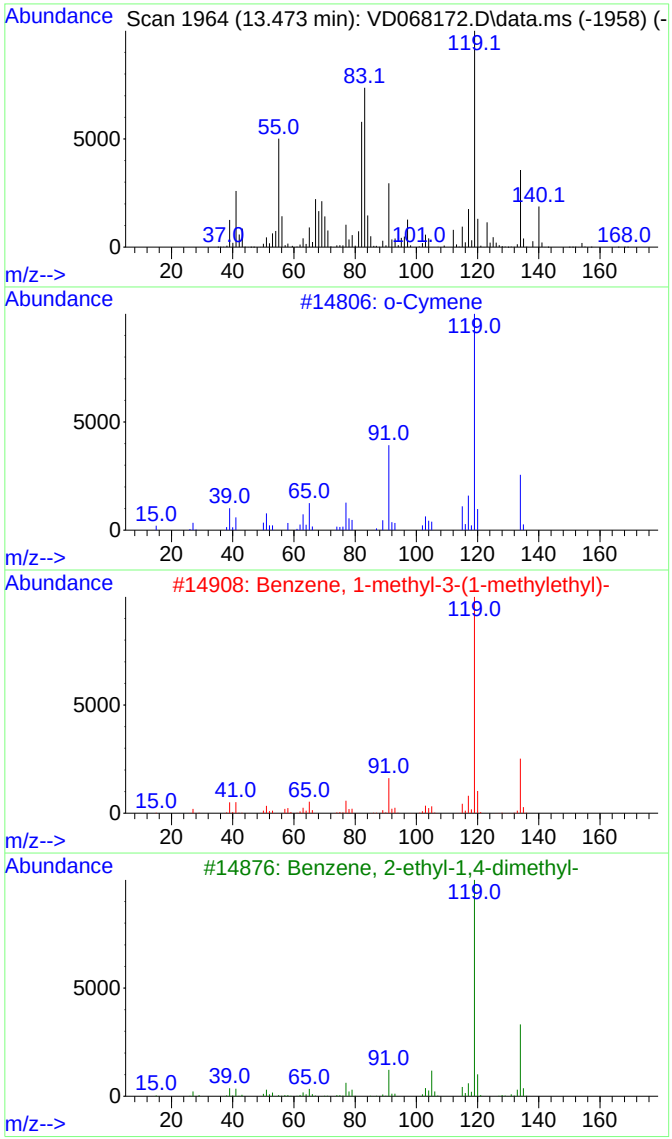
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

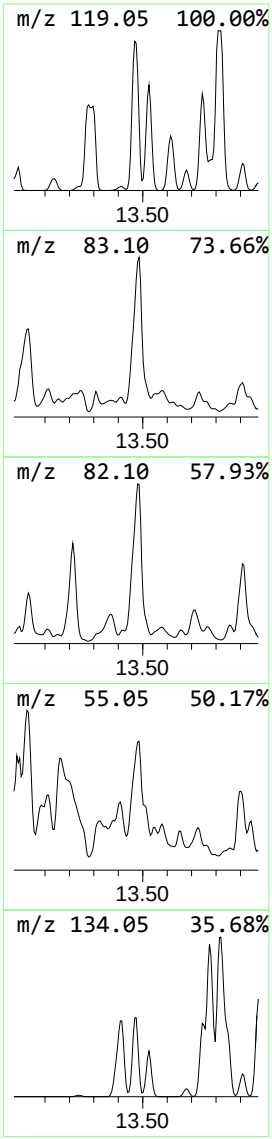
****

Peak Number 8 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.473	297.60 ug/l	119048000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	84
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	80
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	42
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	42
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068172.D
Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

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

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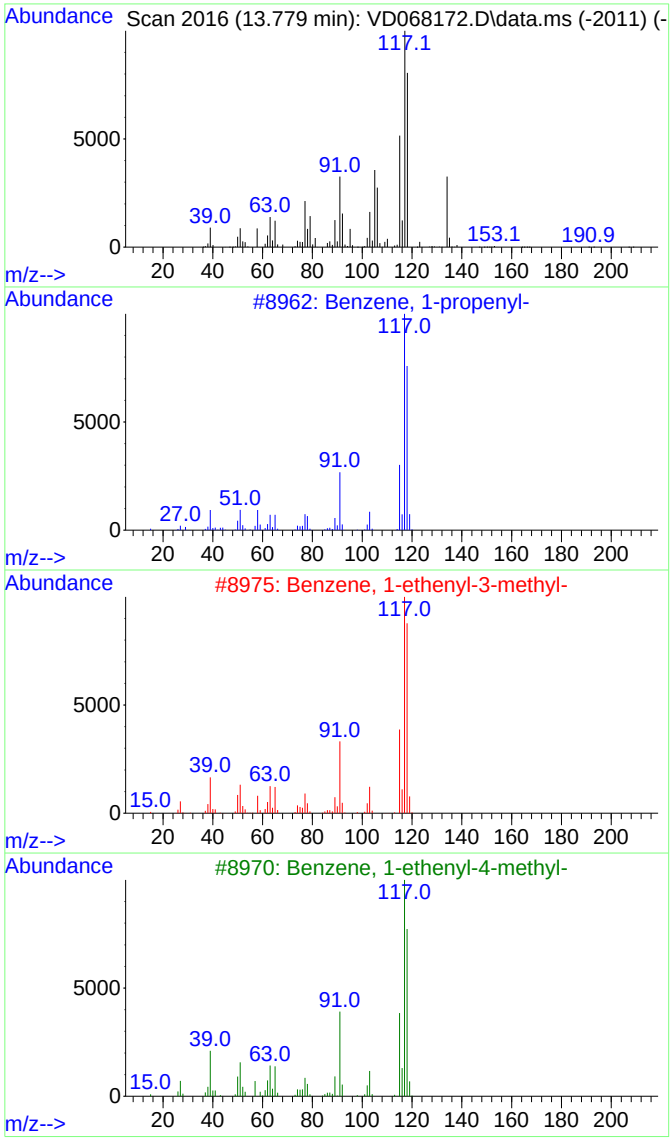
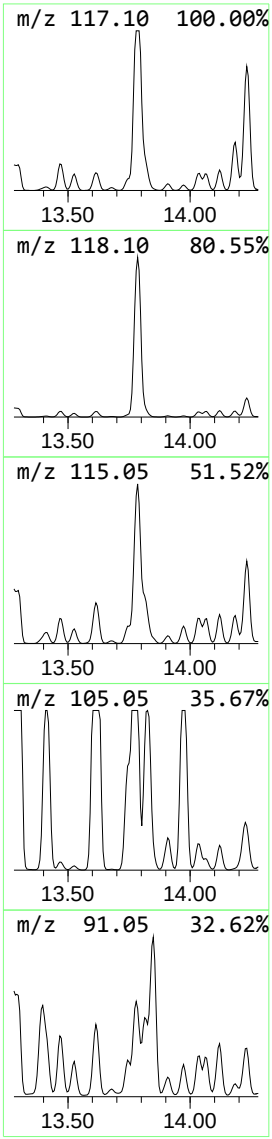
Peak Number 9 Benzene, 1-propenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.779	313.67 ug/l	125477000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	64
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	60
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068172.D
Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PS-104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

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

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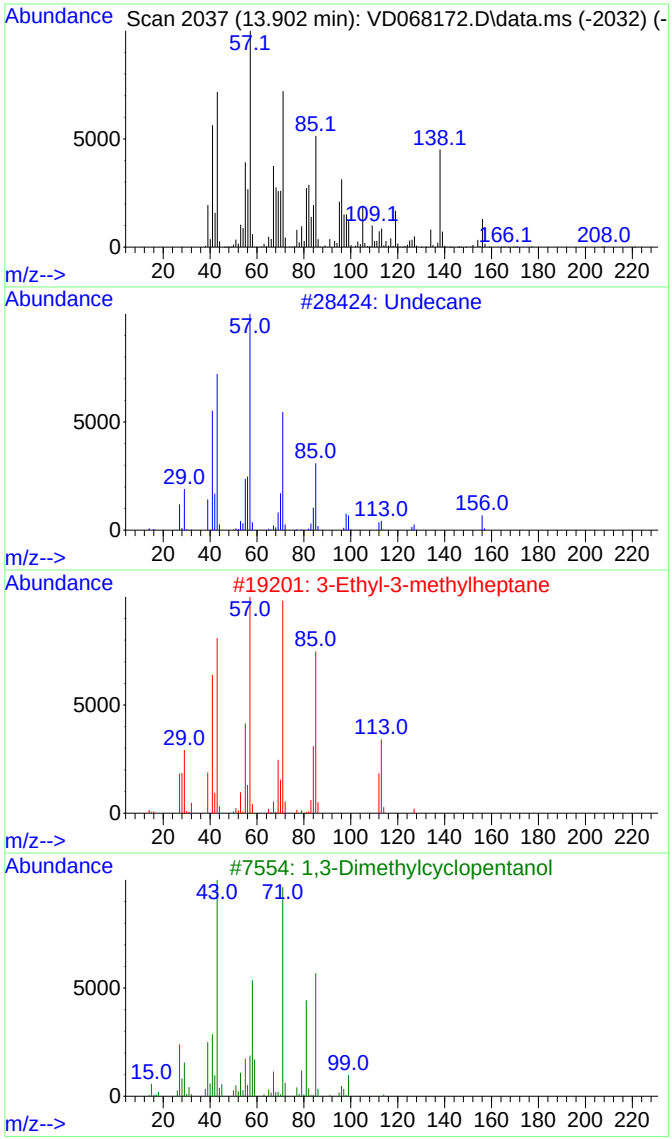
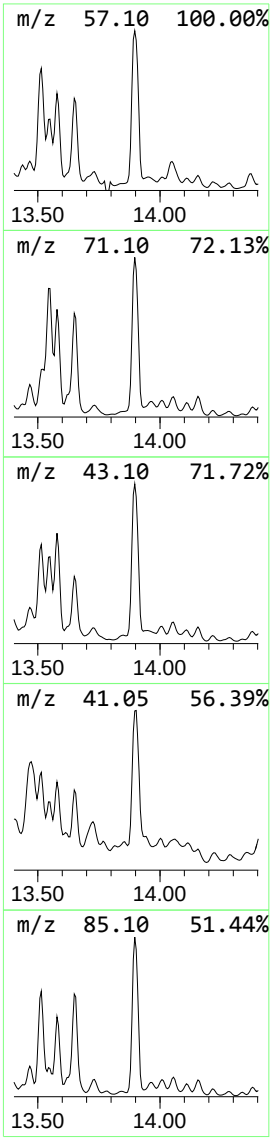
Peak Number 10 Undecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.902	338.54 ug/l	135426000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	83
2	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	30
3	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	30
4	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	30
5	2,6-Dimethyldecane	170	C12H26	013150-81-7	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068172.D
Acq On : 25 Jan 2021 16:24
Operator : VA/SY
Sample : M1216-02
Misc : 1.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : PS-104

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexane, 3,3-dim...	10.532	299.2	ug/l	129970000	3	11.655	21721800	50.0
Heptane, 2,5-di...	11.550	447.2	ug/l	194295000	3	11.655	21721800	50.0
Nonane, 3-methyl-	12.697	285.1	ug/l	114061000	4	13.567	20001600	50.0
Benzene, 1-ethy...	12.897	501.3	ug/l	200519000	4	13.567	20001600	50.0
2-Nitro-1-pheny...	13.126	602.4	ug/l	240974000	4	13.567	20001600	50.0
o-Cymene	13.473	297.6	ug/l	119048000	4	13.567	20001600	50.0
Benzene, 1-prop...	13.779	313.7	ug/l	125477000	4	13.567	20001600	50.0
Undecane	13.902	338.5	ug/l	135426000	4	13.567	20001600	50.0