LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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: VD068176.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.038	185	190	198	rVB3	19177	41990	1.25%	0.172%
2	3.426	245	256	269	rVB7	20256	71563	2.14%	0.293%
3	4.156	366	380	394	rBV	143400	410141	12.25%	1.681%
4	4.415	415	424	436	rVB	16254	45327	1.35%	0.186%
5	4.973	505	519	542	rBV4	37351	208234	6.22%	0.854%
6	5.491	599	607	617	rBV6	15132	47565	1.42%	0.195%
7	5.815	652	662	674	rBV6	9643	34976	1.04%	0.143%
8	5.997	679	693	702	rBV2	32173	103536	3.09%	0.424%
9	6.773	816	825	836	rVB6	11838	38998	1.16%	0.160%
10	7.032	860	869	879	rVB4	25874	80451	2.40%	0.330%
11	7.191	886	896	910	rVB	28474	80042	2.39%	0.328%
12	7.732	973	988	996	rBV5	30670	96361	2.88%	0.395%
13	7.920	1008	1020	1023	rBV2	314669	744847	22.24%	3.053%
14	7.973	1023	1029	1038	rVV2	683667	2003628	59.83%	8.213%
15	8.067	1038	1045	1056	rVB3	110910	283503	8.47%	1.162%
16	8.191	1056	1066	1075	rBV	482806	1108694	33.11%	4.545%
17	8.338	1078	1091	1102	rVV	286631	720514	21.52%	2.954%
18	8.456	1102	1111	1116	rVV3	67412	180147	5.38%	0.738%
19	8.514	1116	1121	1130	rVV4	42834	142484	4.25%	0.584%
20	8.603	1130	1136	1145	rVB3	34179	82615	2.47%	0.339%
21	8.726	1149	1157	1171	rBV	543638	1094095	32.67%	4.485%
22	8.867	1173	1181	1194	rBV	820995	1652207	49.34%	6.773%
23	9.167	1227	1232	1240	rVB3	17867	41243	1.23%	0.169%
24	9.361	1250	1265	1271	rBV2	133788	348096	10.39%	1.427%
25	9.408	1271	1273	1281	rVB4	26389	43091	1.29%	0.177%
26	9.544	1288	1296	1301	rVV4	27175	55591	1.66%	0.228%
27	9.773	1326	1335	1343	rBV3	19754	45510	1.36%	0.187%
28	9.920	1353	1360	1364	rBV5	18062	37850	1.13%	0.155%
29	9.979	1364	1370	1375	rBV3	37477	70910	2.12%	0.291%
30	10.120	1385	1394	1405	rBV3	33162	90523	2.70%	0.371%
31	10.344	1424	1432	1437	rBV	1151255	2163736	64.61%	8.870%
32	10.408	1437	1443	1451	rVB	1861390	3348822	100.00%	13.728%
33	10.526	1456	1463	1470	rVB	89624	178790	5.34%	0.733%
34	10.779	1500	1506	1511	rVB4	25034	44835	1.34%	0.184%
35	10.955	1531	1536	1541	rBV3	19785	34464	1.03%	0.141%
36	11.197	1572	1577	1581	rVB2	29791	44597	1.33%	0.183%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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	11.250	1581	1586	1593	rVB2	29405	53266	1.59%	0.218%
38	11.432	1608	1617	1629	rVB3	60294	167183	4.99%	0.685%
39	11.532	1629	1634	1640	rBV	50651	81444	2.43%	0.334%
40	11.650	1646	1654	1664	rBV	887874	1587728	47.41%	6.509%
41	11.750	1664	1671	1675	rVV	74249	132822	3.97%	0.544%
42	11.855	1679	1689	1699	rVV2	331132	720476	21.51%	2.953%
43	11.932	1699	1702	1708	rVB4	25930	41222	1.23%	0.169%
44	12.179	1732	1744	1752	rBV3	122084	307770	9.19%	1.262%
45	12.273	1752	1760	1764	rVB3	35339	64546	1.93%	0.265%
46	12.385	1776	1779	1786	rVB5	29742	62727	1.87%	0.257%
47	12.485	1791	1796	1801	rBV5	37721	80737	2.41%	0.331%
48	12.632	1816	1821	1833	rVB	684572	1184263	35.36%	4.855%
49	12.814	1845	1852	1858	rVB2	31402	66819	2.00%	0.274%
50	12.885	1858	1864	1867	rVV	99873	172396	5.15%	0.707%
51	12.949	1867	1875	1882	rVV2	252298	530076	15.83%	2.173%
52	13.126	1897	1905	1911	rBV3	37401	90174	2.69%	0.370%
53	13.185	1911	1915	1922	rVB5	33790	53457	1.60%	0.219%
54	13.267	1923	1929	1935	rBV	135752	216682	6.47%	0.888%
55	13.467	1955	1963	1964	rBV6	33254	55211	1.65%	0.226%
56	13.514	1964	1971	1976	rVV	175334	344301	10.28%	1.411%
57	13.573	1976	1981	1990	rVV	704734	1239915	37.03%	5.083%
58	13.773	2010	2015	2019	rBV2	39213	61985	1.85%	0.254%
59	13.808	2019	2021	2031	rVB3	33718	67753	2.02%	0.278%
60	13.896	2031	2036	2042	rBV2	88551	137331	4.10%	0.563%
61	14.020	2052	2057	2061	rBV3	41179	74291	2.22%	0.305%
62	14.055	2061	2063	2068	rVV	23981	36575	1.09%	0.150%
63	14.114	2068	2073	2078	rVB3	39873	72980	2.18%	0.299%
64	14.226	2088	2092	2098	rVB4	21426	33731	1.01%	0.138%
65	14.349	2108	2113	2119	rBV9	15984	39706	1.19%	0.163%
66	14.749	2177	2181	2187	rVB2	39672	55392	1.65%	0.227%
67	14.826	2187	2194	2195	rBV3	26441	45133	1.35%	0.185%
68	15.243	2253	2265	2280	rVB	253570	443984	13.26%	1.820%
69	15.902	2374	2377	2384	rVB9	18138	36097	1.08%	0.148%
70	16.090	2403	2409	2418	rVB2	115180	216309	6.46%	0.887%

Sum of corrected areas: 24394458

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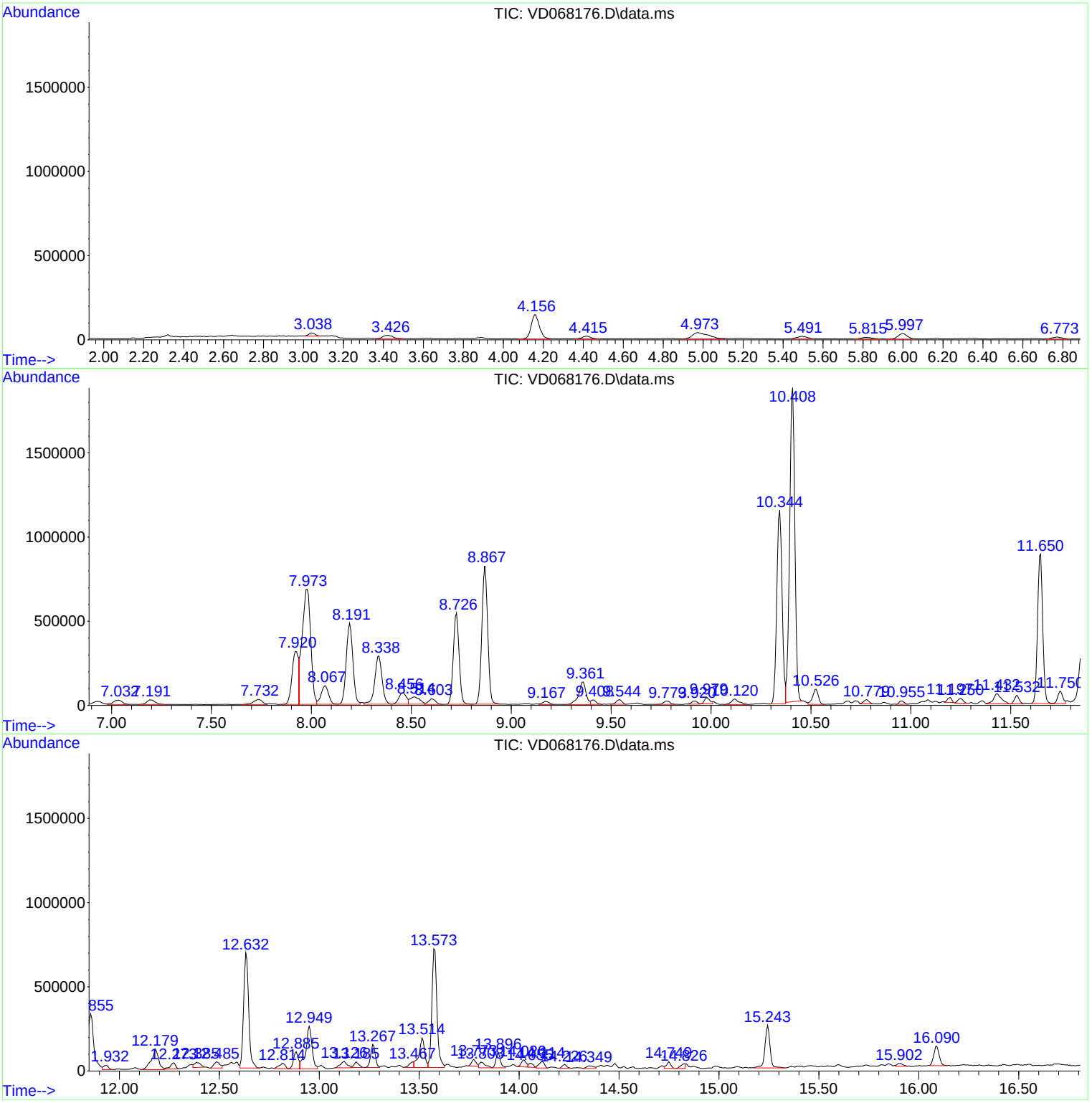
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
1617RE

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 : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId : 1617RE

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

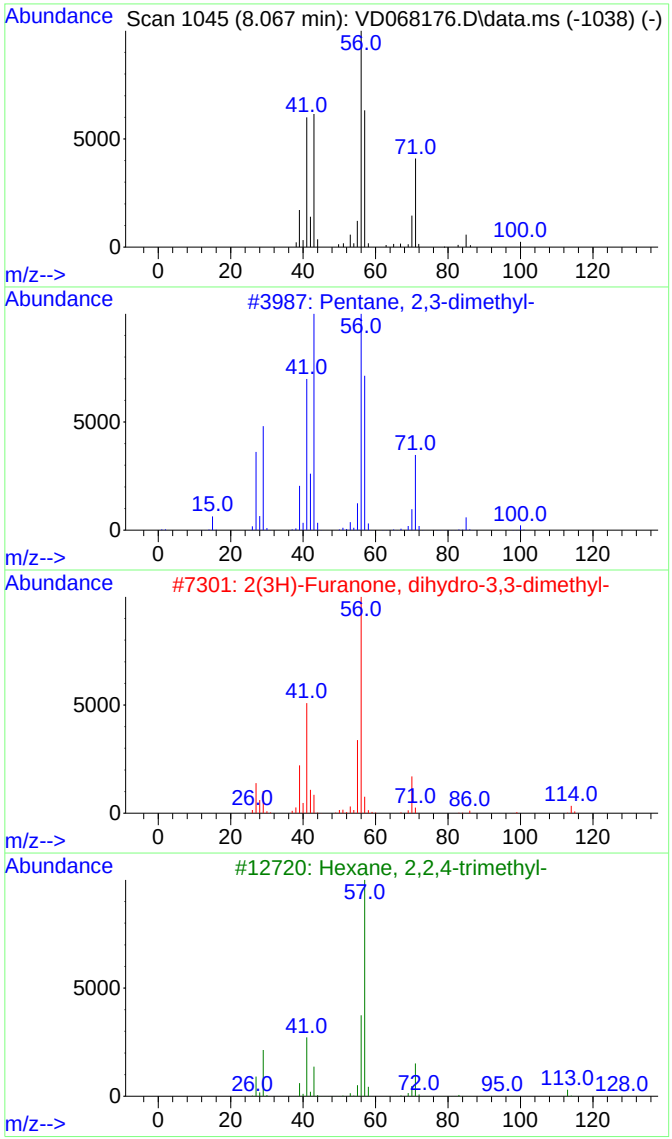
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

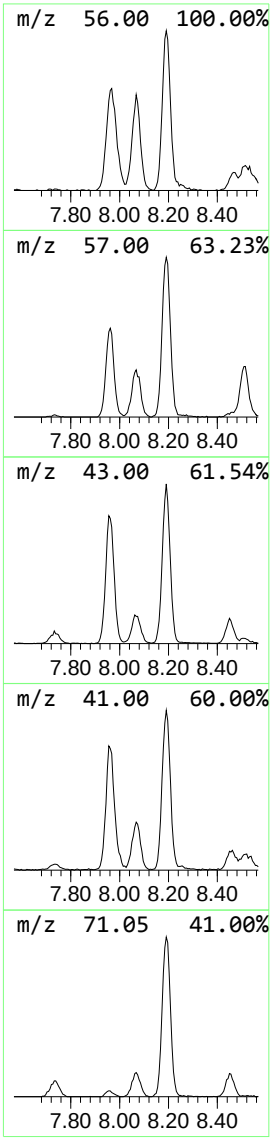
****

Peak Number 1 Pentane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.067	7.07 ug/l	283503	Pentafluorobenzene	7.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
2	2(3H)-Furanone, dihydro-3,3-dime...	114	C6H10O2	003709-08-8	50
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	50
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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

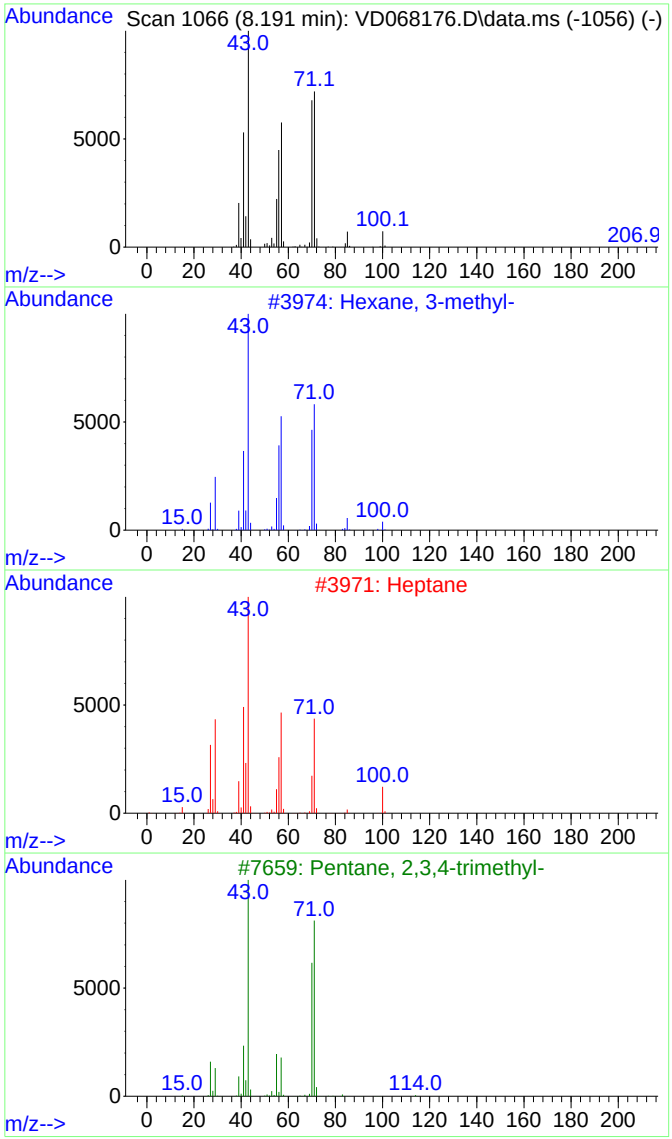
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

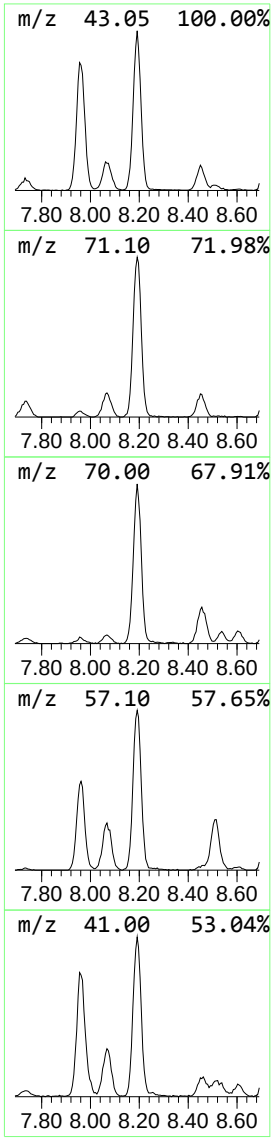
****

Peak Number 2 Hexane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.191	27.67 ug/l	1108690	Pentafluorobenzene	7.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Heptane	100	C7H16	000142-82-5	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	53
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
1617RE

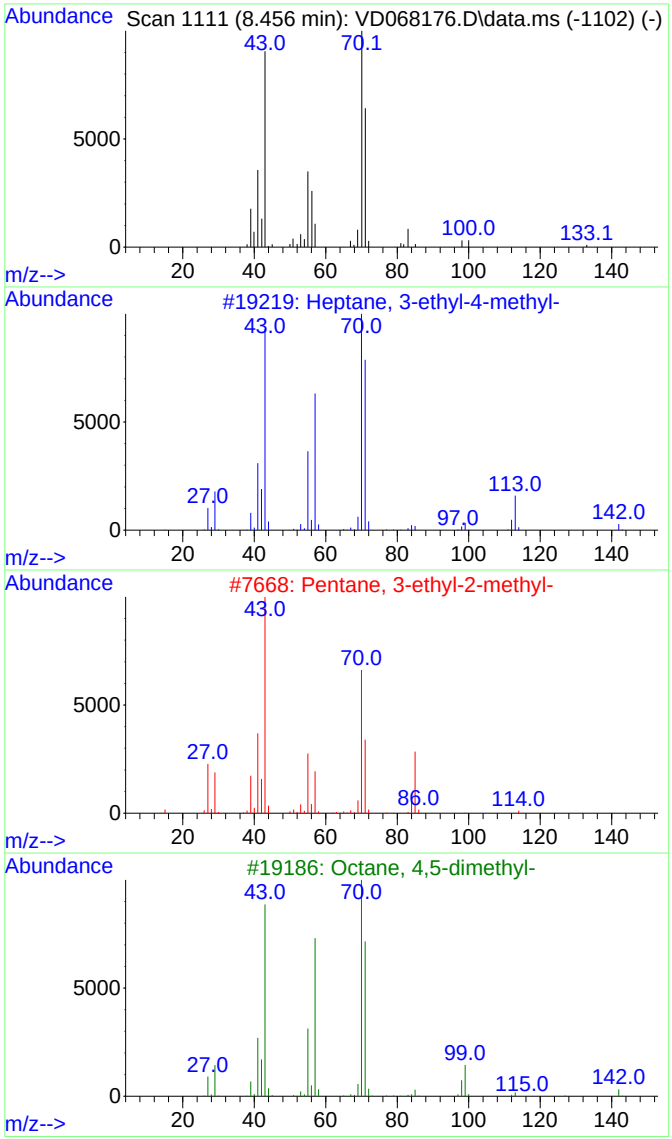
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260

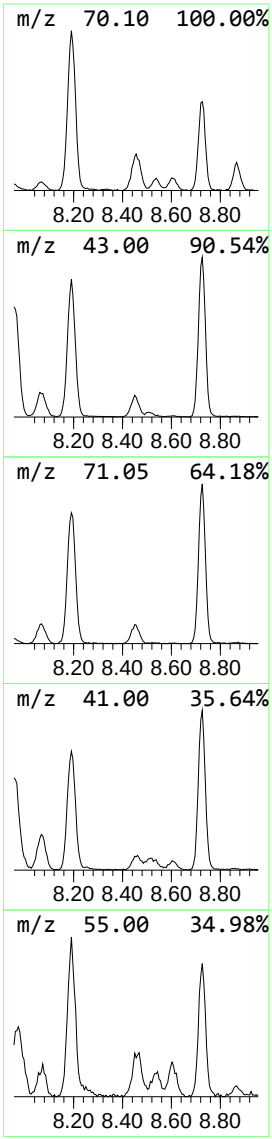
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptane, 3-ethyl-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.456	5.45 ug/l	180147	1,4-Difluorobenzene	8.867

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	64
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50
3	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	50
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	50
5	Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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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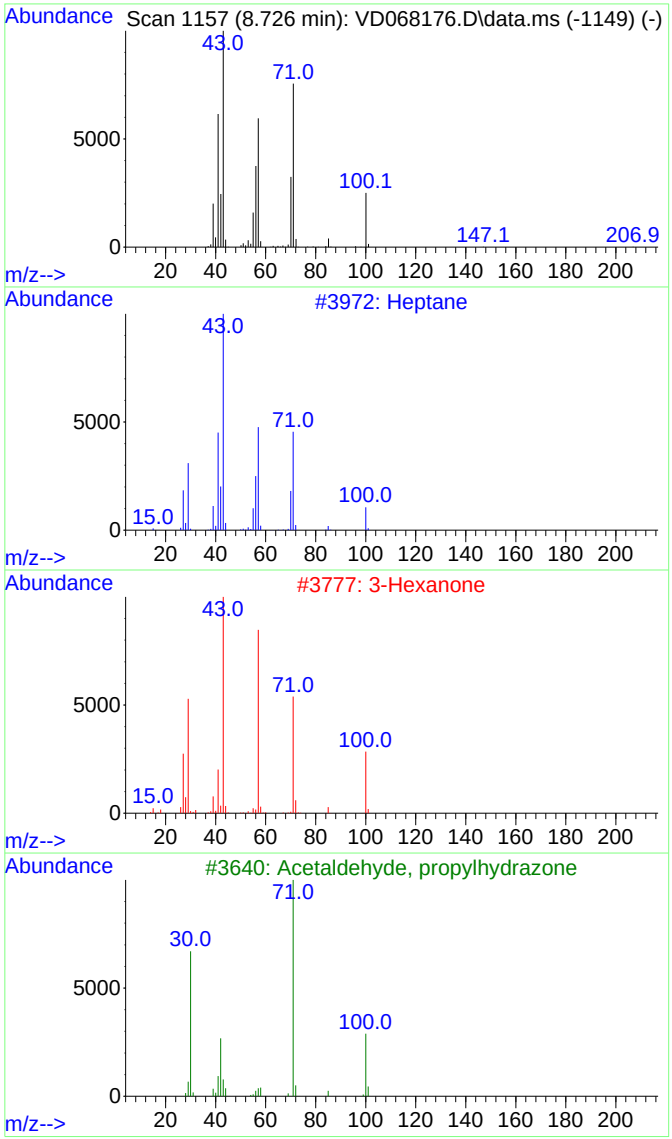
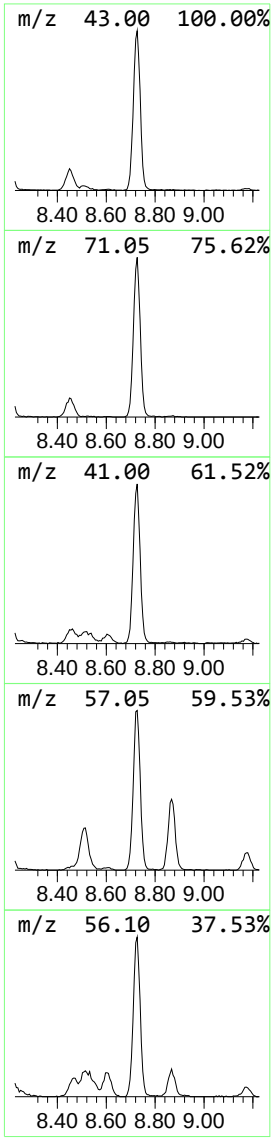
Peak Number 4 Heptane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.726	33.11 ug/l	1094100	1,4-Difluorobenzene	8.867

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	3-Hexanone	100	C6H12O	000589-38-8	52
3	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	50
4	Oxirane, butyl-	100	C6H12O	001436-34-6	47
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
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Operator : VA/SY
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Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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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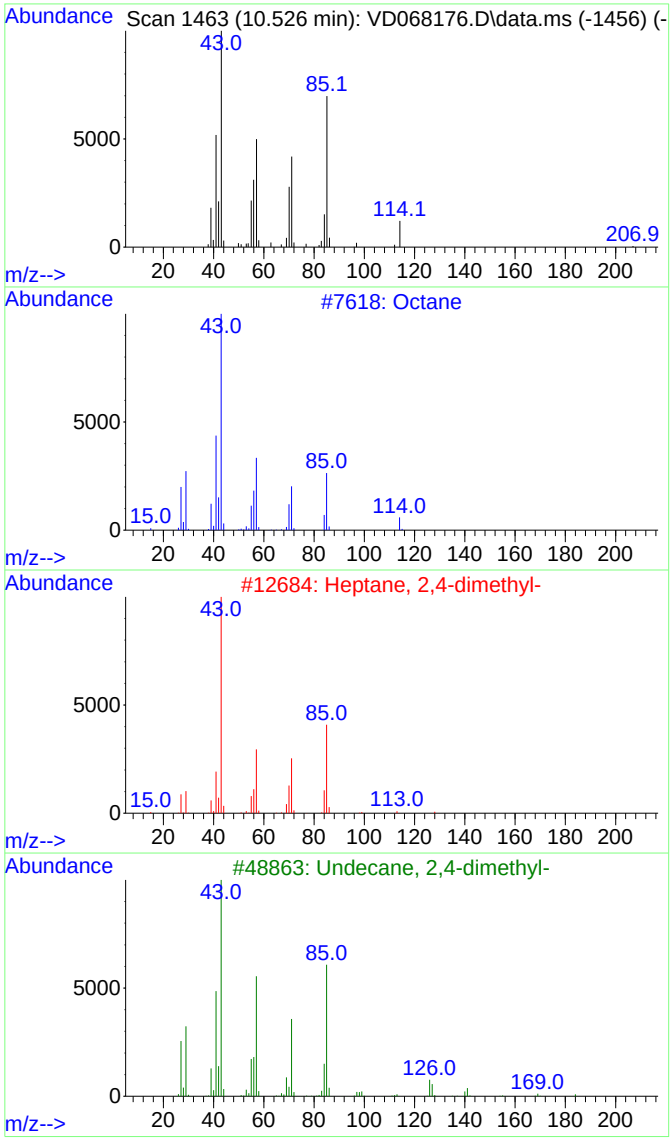
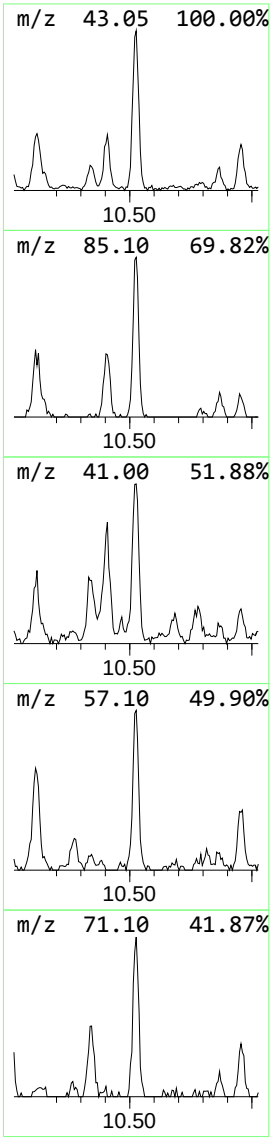
Peak Number 5 Octane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.526	5.63 ug/l	178790	Chlorobenzene-d5	11.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	59
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	59
5	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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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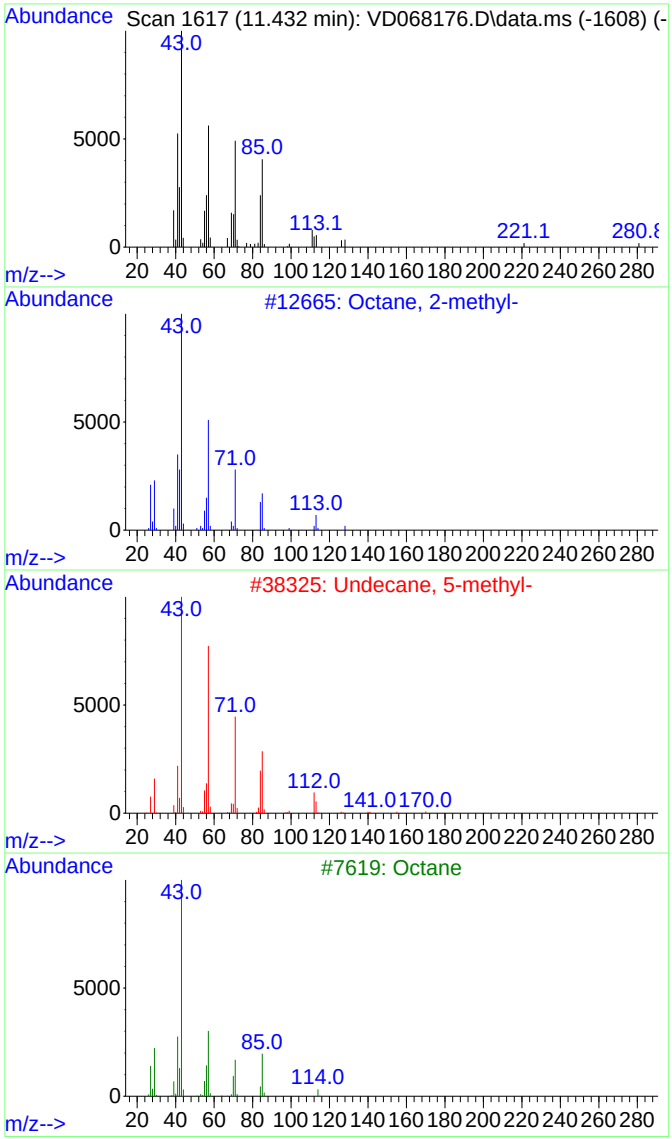
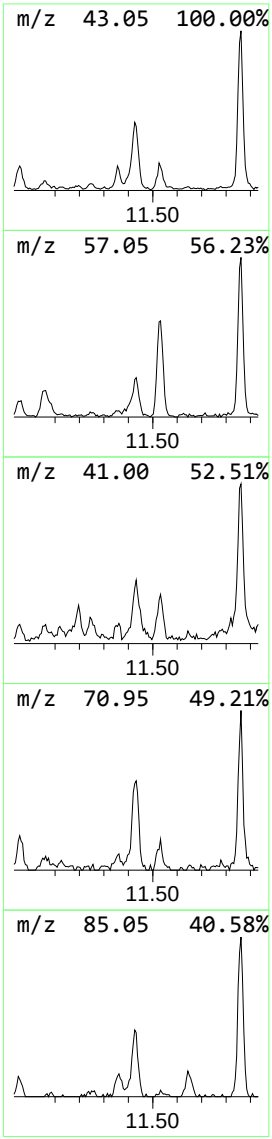
Peak Number 6 Octane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.432	5.26 ug/l	167183	Chlorobenzene-d5	11.650

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	86
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
3	Octane	114	C8H18	000111-65-9	53
4	Oxalic acid, hexyl tetradecyl ester	370	C22H42O4	1000309-24-8	53
5	10-Methylnonadecane	282	C20H42	056862-62-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
1617RE

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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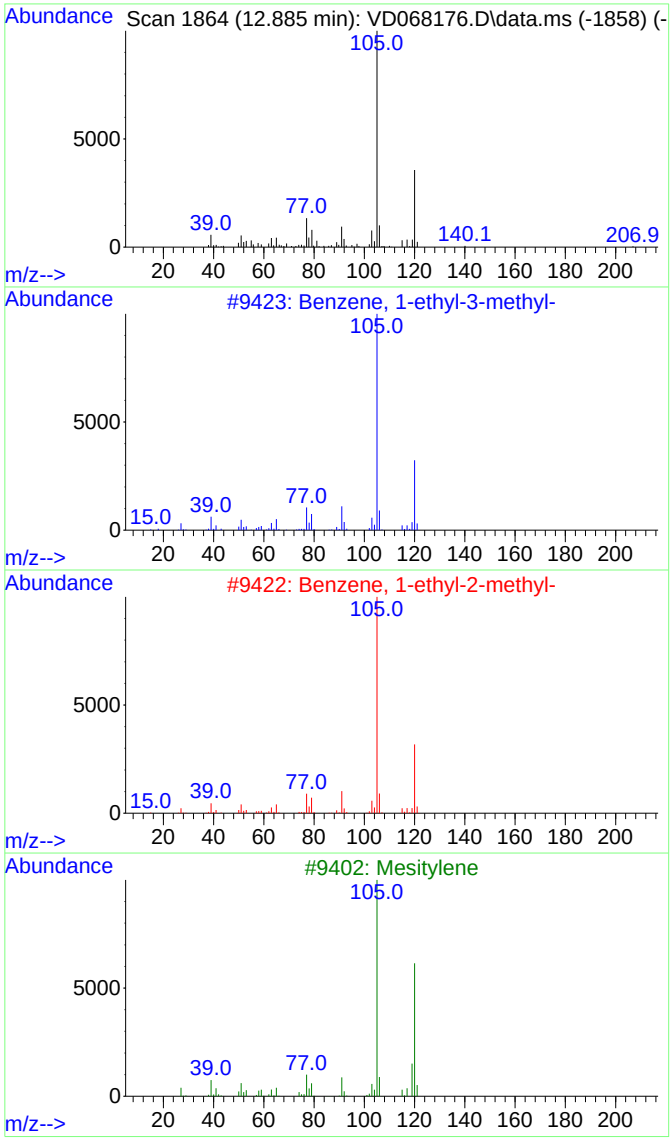
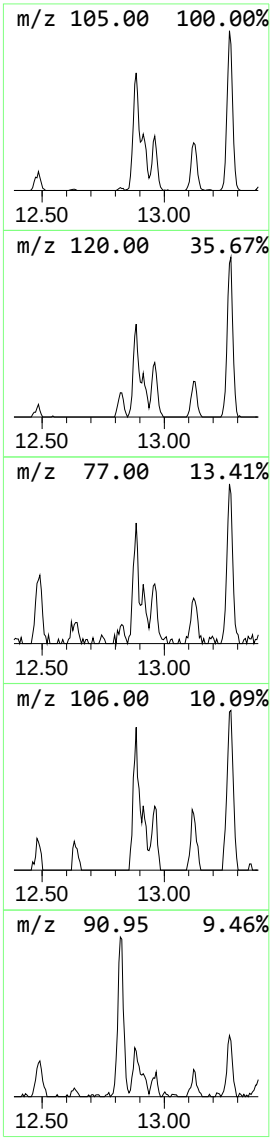
Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.885	6.95 ug/l	172396	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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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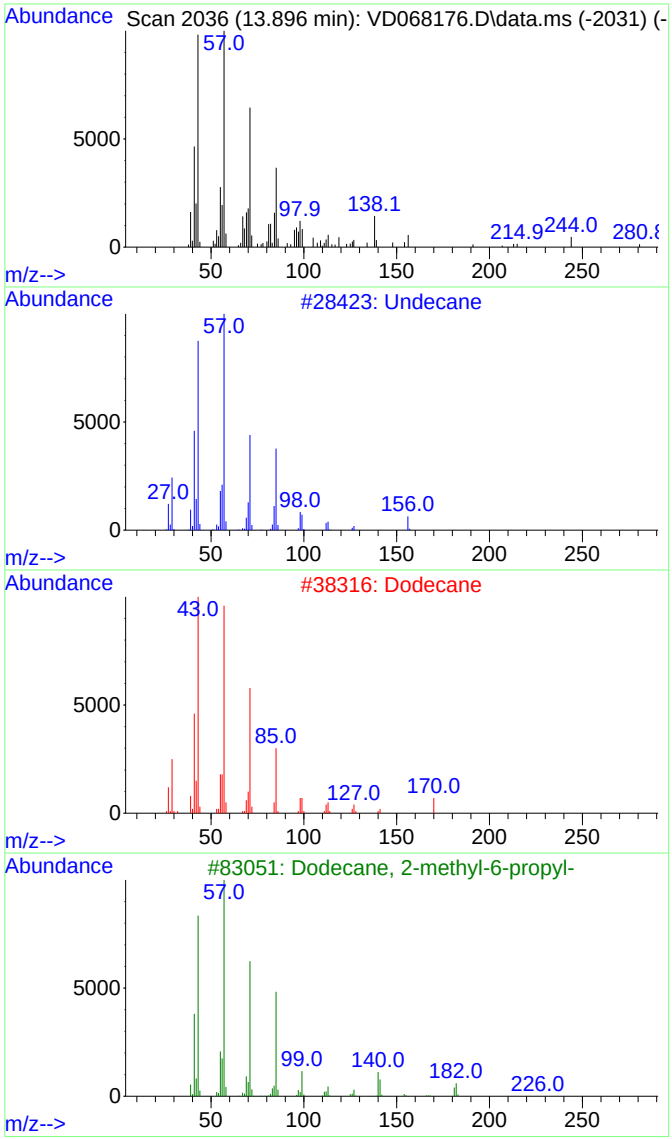
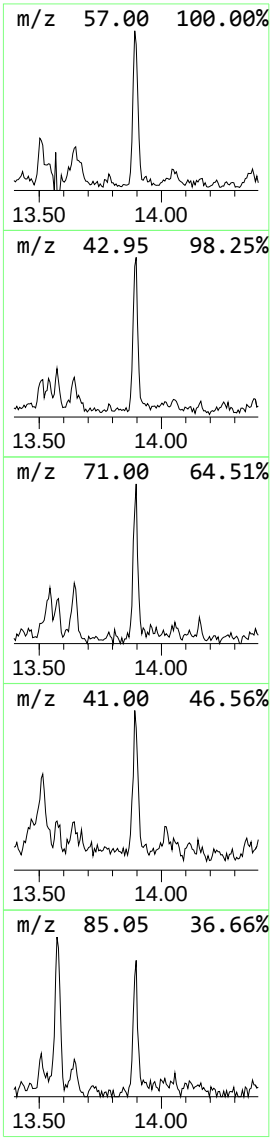
Peak Number 8 Undecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.897	5.54 ug/l	137331	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	81
2	Dodecane	170	C12H26	000112-40-3	64
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	53
4	Tridecane	184	C13H28	000629-50-5	53
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	53





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Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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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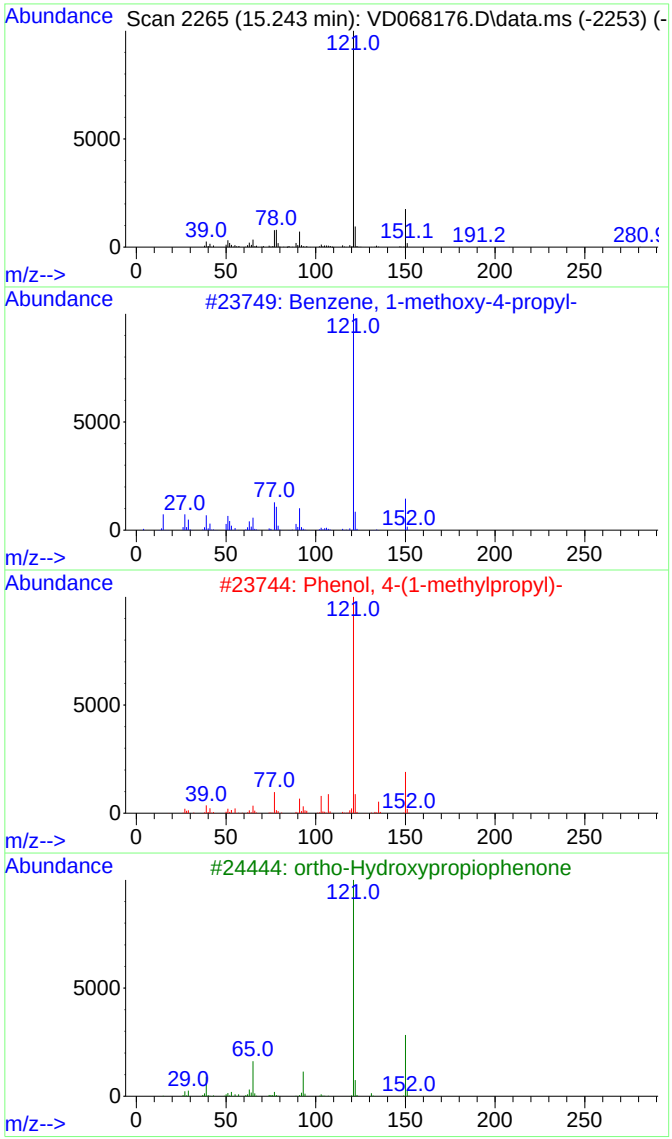
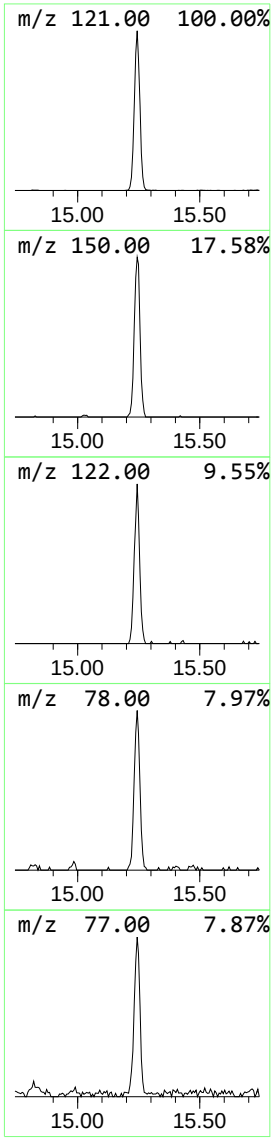
Peak Number 9 Benzene, 1-methoxy-4-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	17.90 ug/l	443984	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-4-propyl-	150	C10H14O	000104-45-0	91
2	Phenol, 4-(1-methylpropyl)-	150	C10H14O	000099-71-8	86
3	ortho-Hydroxypropiophenone	150	C9H10O2	000610-99-1	80
4	Propanedinitrile, [3-(4-methoxyp...	226	C14H14N2O	069244-84-4	72
5	Phenol, 2-(1-methylpropyl)-	150	C10H14O	000089-72-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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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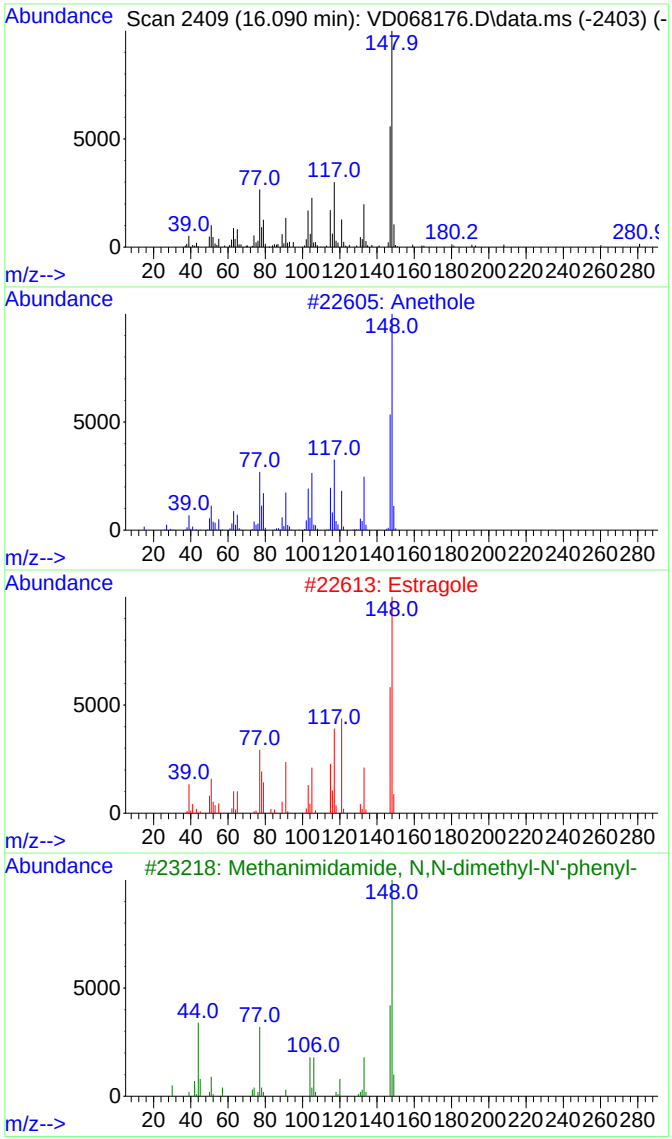
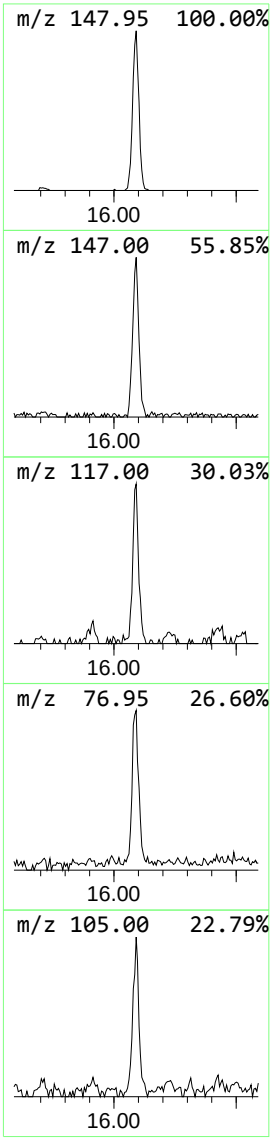
Peak Number 10 Anethole Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.090	8.72 ug/l	216309	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anethole	148	C10H12O	000104-46-1	98
2	Estragole	148	C10H12O	000140-67-0	94
3	Methanimidamide, N,N-dimethyl-N'...	148	C9H12N2	001783-25-1	52
4	2-Methyl-5,6,7,8-tetrahydroquino...	148	C9H12N2	038917-65-6	50
5	2-Hydroxymethylbenzimidazole	148	C8H8N2O	022128-99-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
Data File : VD068176.D
Acq On : 25 Jan 2021 19:06
Operator : VA/SY
Sample : M1217-01RE
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 1617RE

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
Pentane, 2,3-di...	8.067	7.1	ug/l	283503	1	7.985	2003630	50.0
Hexane, 3-methyl-	8.191	27.7	ug/l	1108690	1	7.985	2003630	50.0
Heptane, 3-ethy...	8.456	5.5	ug/l	180147	2	8.867	1652210	50.0
Heptane	8.726	33.1	ug/l	1094100	2	8.867	1652210	50.0
Octane	10.526	5.6	ug/l	178790	3	11.650	1587730	50.0
Octane, 2-methyl-	11.432	5.3	ug/l	167183	3	11.650	1587730	50.0
Benzene, 1-ethy...	12.885	7.0	ug/l	172396	4	13.573	1239920	50.0
Undecane	13.897	5.5	ug/l	137331	4	13.573	1239920	50.0
Benzene, 1-meth...	15.243	17.9	ug/l	443984	4	13.573	1239920	50.0
Anethole	16.090	8.7	ug/l	216309	4	13.573	1239920	50.0