LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

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\82D060121S.M
Title : SW846 8260

Signal : TIC: VD069335.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.156	365	380	403	rBV	7575777	21510611	14.94%	5.903%
2	5.014	503	526	544	rBV3	391908	1868366	1.30%	0.513%
3	5.997	678	693	712	rBV2	483477	1449751	1.01%	0.398%
4	7.732	967	988	999	rBV	745627	2066249	1.43%	0.567%
5	7.961	1010	1027	1037	rBV2	7512321	19891329	13.81%	5.458%
6	8.067	1037	1045	1055	rVV	2730783	6852697	4.76%	1.880%
7	8.191	1055	1066	1083	rVV	10059827	24083026	16.72%	6.609%
8	8.455	1101	1111	1116	rVV3	1534667	4049201	2.81%	1.111%
9	8.514	1116	1121	1130	rVV3	991243	3198830	2.22%	0.878%
10	8.602	1130	1136	1147	rVV2	749040	1719552	1.19%	0.472%
11	8.726	1147	1157	1171	rVV	8005484	16093095	11.18%	4.416%
12	8.867	1172	1181	1201	rVB	942168	2147415	1.49%	0.589%
13	9.355	1248	1264	1270	rBV	1978929	4923624	3.42%	1.351%
14	10.344	1425	1432	1435	rBV	1410898	2675330	1.86%	0.734%
15	10.408	1435	1443	1457	rVV2	60629399	143998566	100.00%	39.515%
16	11.426	1607	1616	1627	rVB3	612287	1566507	1.09%	0.430%
17	11.643	1646	1653	1662	rVB	1138456	1964441	1.36%	0.539%
18	11.743	1662	1670	1678	rBV	940016	1757704	1.22%	0.482%
19	11.849	1679	1688	1698	rBV2	4606262	9176602	6.37%	2.518%
20	12.179	1731	1744	1751	rBV2	1835648	4513397	3.13%	1.239%
21	12.390	1775	1780	1789	rVV5	617361	1744123	1.21%	0.479%
22	12.555	1799	1808	1810	rVV4	776995	2055313	1.43%	0.564%
23	12.626	1816	1820	1824	rVV	940085	1609914	1.12%	0.442%
24	12.814	1845	1852	1857	rVB	882277	1556755	1.08%	0.427%
25	12.879	1857	1863	1866	rBV	3258221	5194303	3.61%	1.425%
26	12.943	1870	1874	1881	rVB2	5665070	9773758	6.79%	2.682%
27	13.049	1887	1892	1896	rBV	1364695	1890816	1.31%	0.519%
28	13.114	1896	1903	1910	rVV	1720122	3351715	2.33%	0.920%
29	13.261	1921	1928	1940	rBV	5928147	9863075	6.85%	2.707%
30	13.455	1955	1961	1965	rVV3	1239894	2395801	1.66%	0.657%
31	13.567	1976	1980	1982	rVV	1490468	2173100	1.51%	0.596%
32	13.596	1982	1985	1990	rVV	2122257	3422688	2.38%	0.939%
33	13.767	2009	2014	2017	rVV2	2383193	4171887	2.90%	1.145%
34	13.802	2017	2020	2030	rVB3	1537035	3304077	2.29%	0.907%
35	13.890	2030	2035	2040	rBV	3765799	5771997	4.01%	1.584%
36	13.961	2043	2047	2052	rVV	897308	1536141	1.07%	0.422%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

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\82D060121S.M
Title : SW846 8260

37	14.026	2053	2058	2060	rVV	1040959	1790750	1.24%	0.491%
38	14.055	2060	2063	2067	rVV	1251069	1825592	1.27%	0.501%
39	14.108	2067	2072	2077	rVB	1362912	2051624	1.42%	0.563%
40	14.220	2086	2091	2096	rVB	1622795	2601937	1.81%	0.714%
41	14.355	2108	2114	2118	rBV3	705685	1549202	1.08%	0.425%
42	14.702	2169	2173	2176	rBV	1100539	1784135	1.24%	0.490%
43	14.743	2176	2180	2185	rVB3	1948973	3019064	2.10%	0.828%
44	14.820	2185	2193	2199	rBV4	2284594	5745526	3.99%	1.577%
45	14.973	2214	2219	2226	rVB	1740686	2997166	2.08%	0.822%
46	15.202	2250	2258	2266	rVV3	669375	1667436	1.16%	0.458%
47	15.896	2371	2376	2386	rVB	1233209	2472448	1.72%	0.678%
48	16.220	2422	2431	2446	rVB2	624782	1588919	1.10%	0.436%

Sum of corrected areas: 364415555

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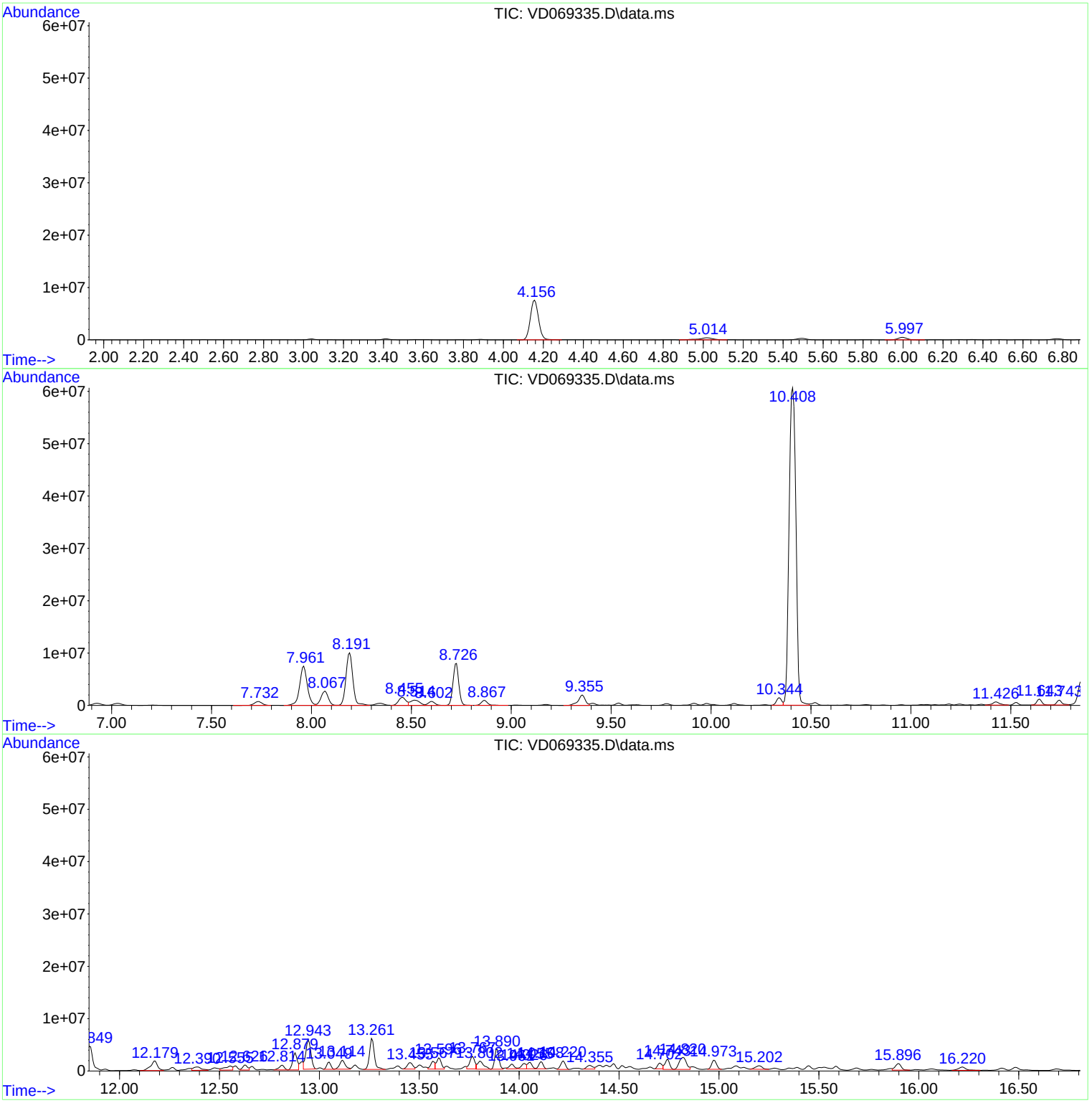
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
41122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

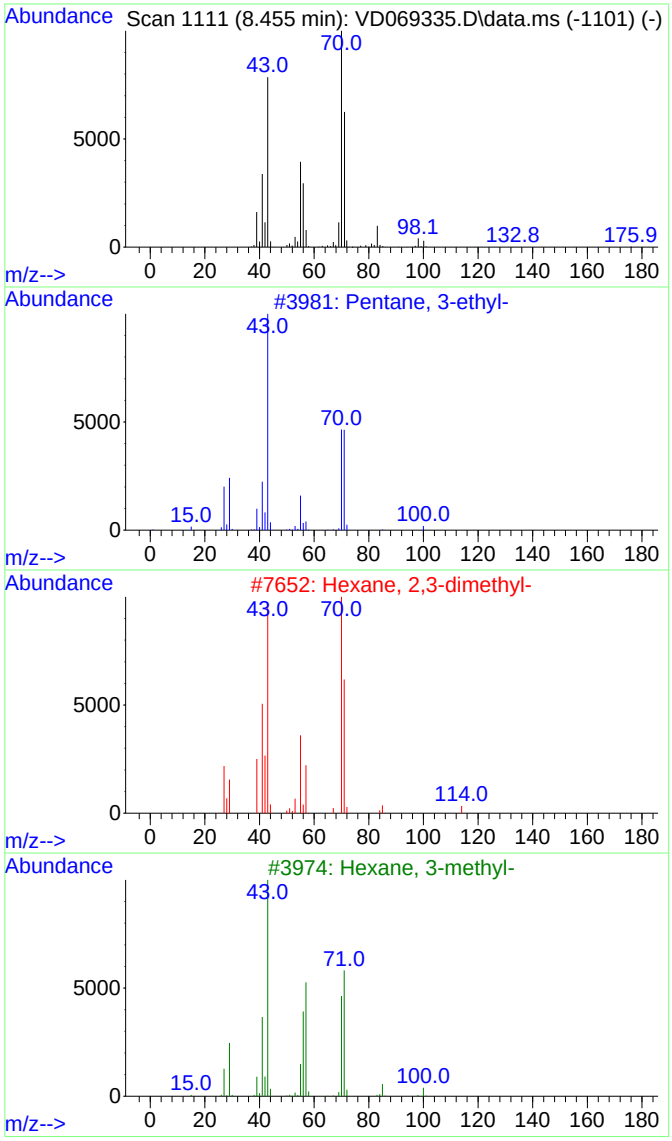
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

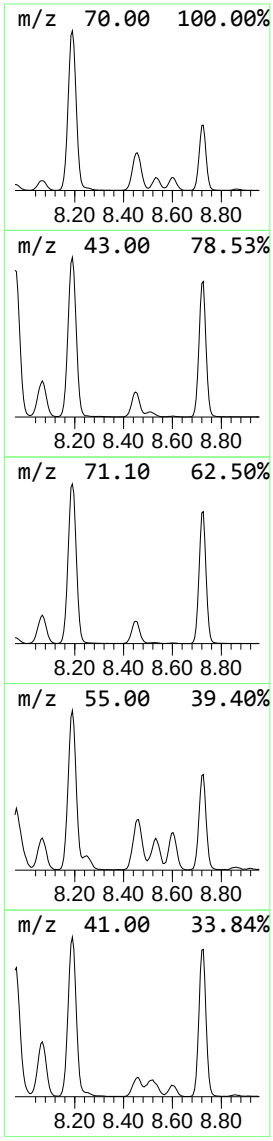
****

Peak Number 1 unknown8.455 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.455	94.28 ug/l	4049200	1,4-Difluorobenzene	8.867

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-	100	C7H16	000617-78-7	46
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	45
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	43
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	38
5	Butane, 2-bromo-2-methyl-	150	C5H11Br	000507-36-8	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

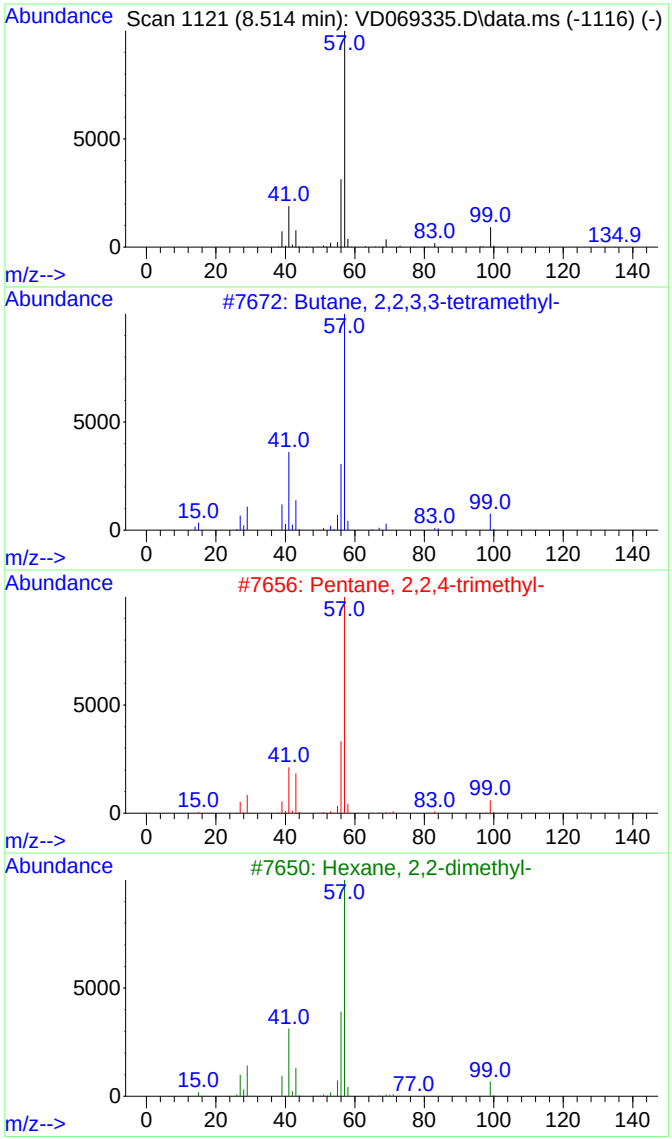
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

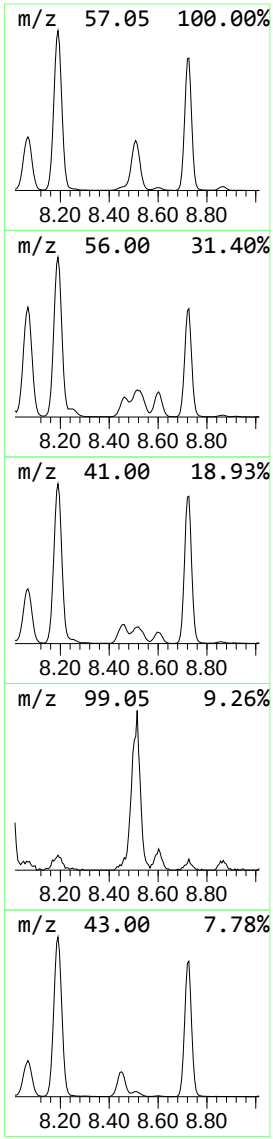
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2,2,3,3-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.514	74.48 ug/l	3198830	1,4-Difluorobenzene	8.867

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	50
4	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	33
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

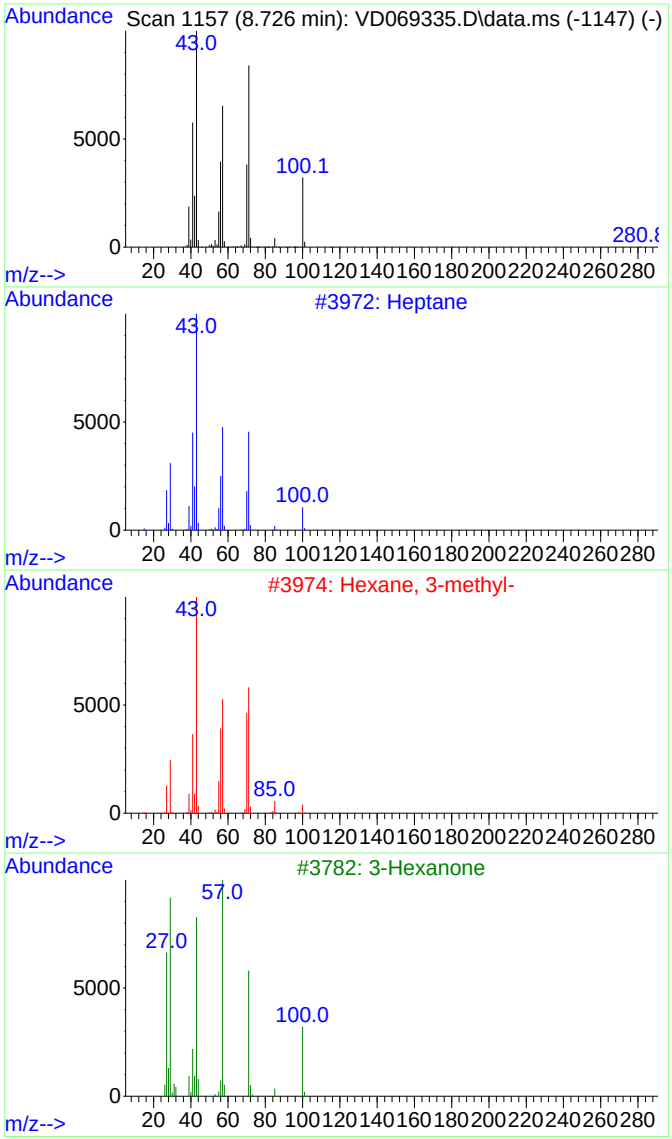
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

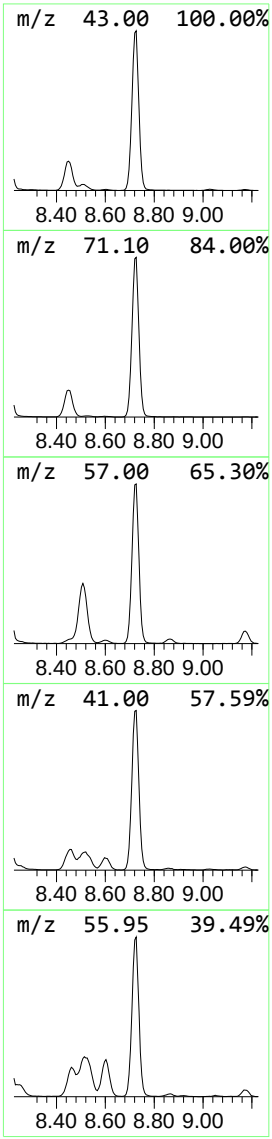
****

Peak Number 3 Heptane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.726	374.71 ug/l	16093100	1,4-Difluorobenzene	8.867

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	50
3	3-Hexanone	100	C6H12O	000589-38-8	43
4	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	43
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

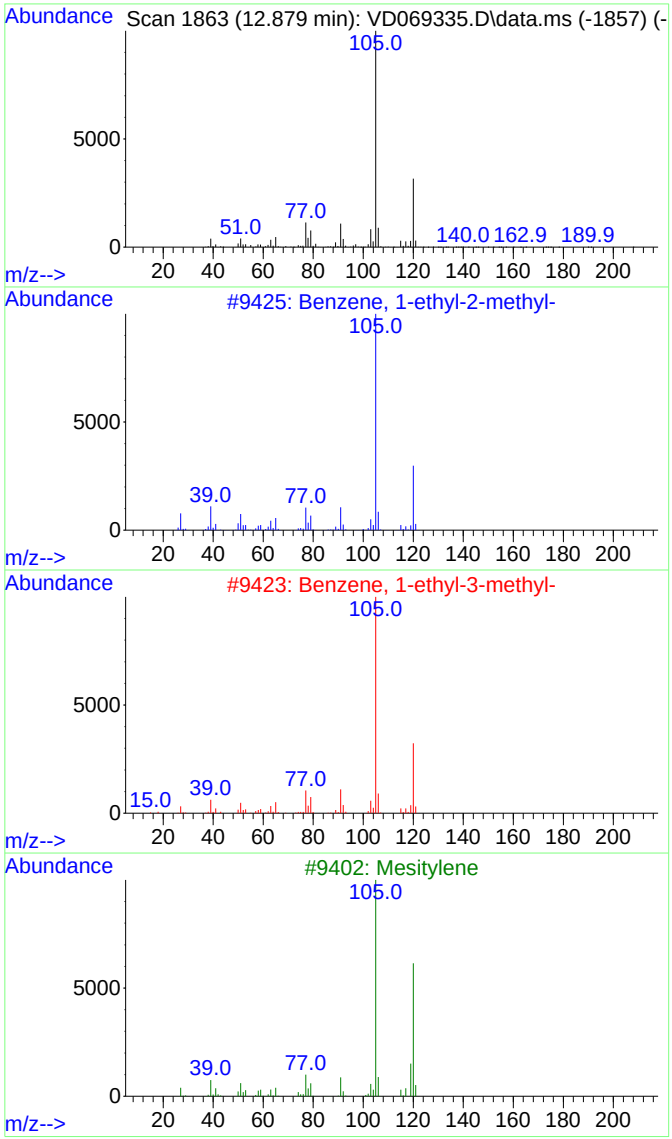
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

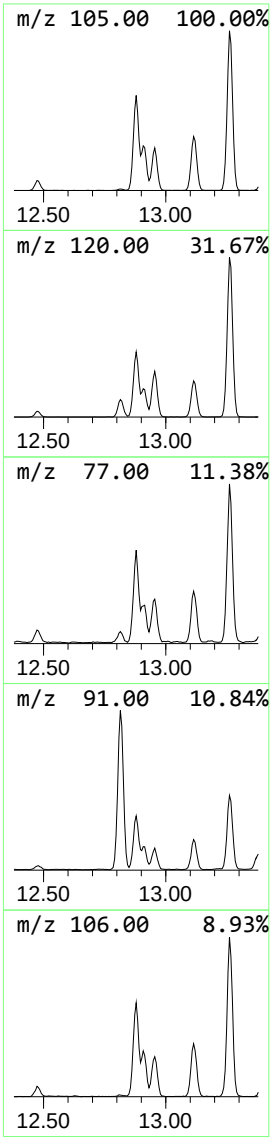
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.879	119.51 ug/l	5194300	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
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\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

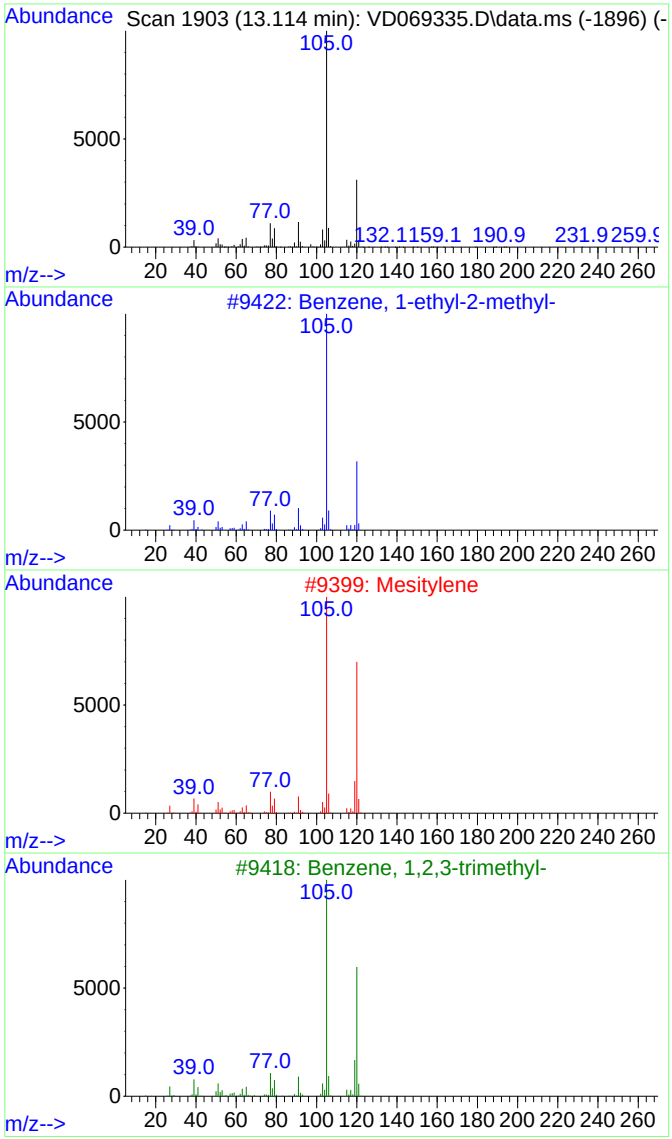
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

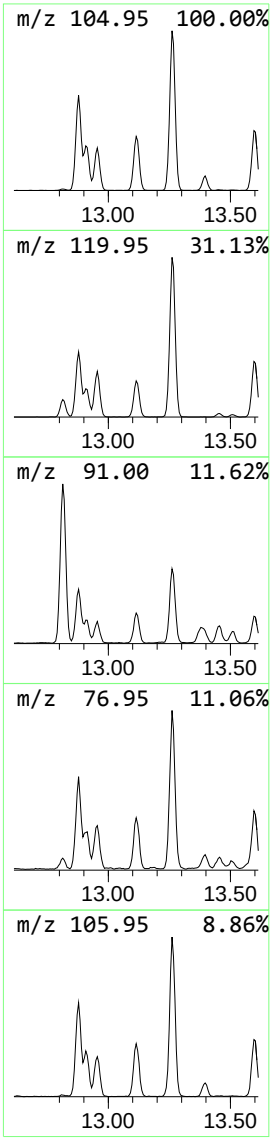
****

Peak Number 5 Mesitylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.114	77.12 ug/l	3351720	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

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

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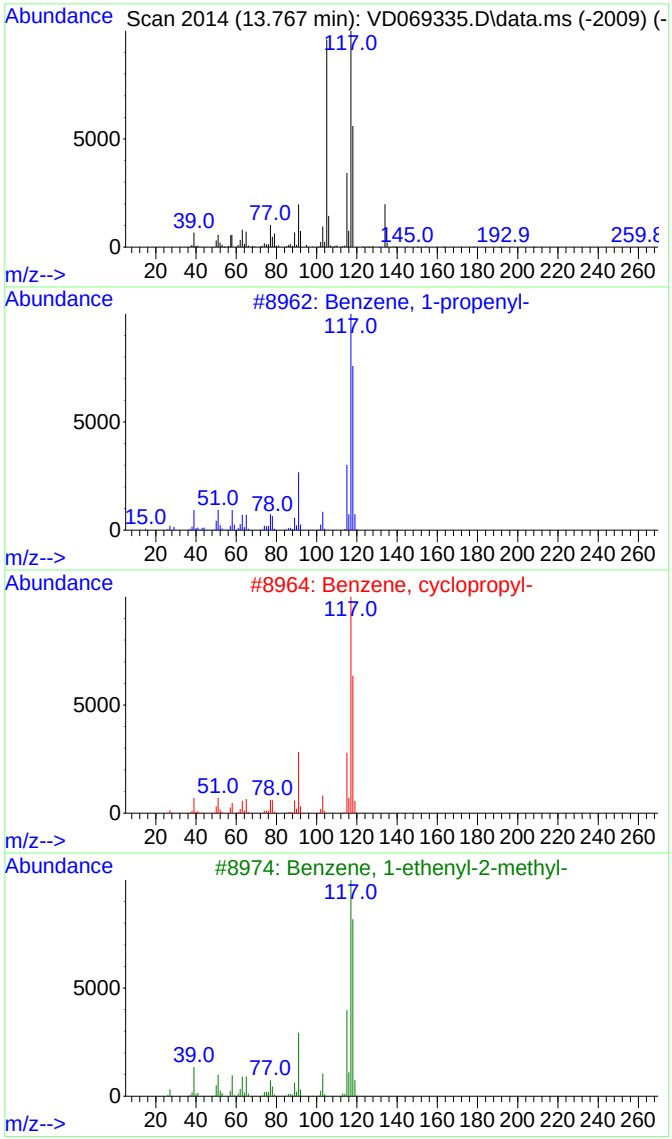
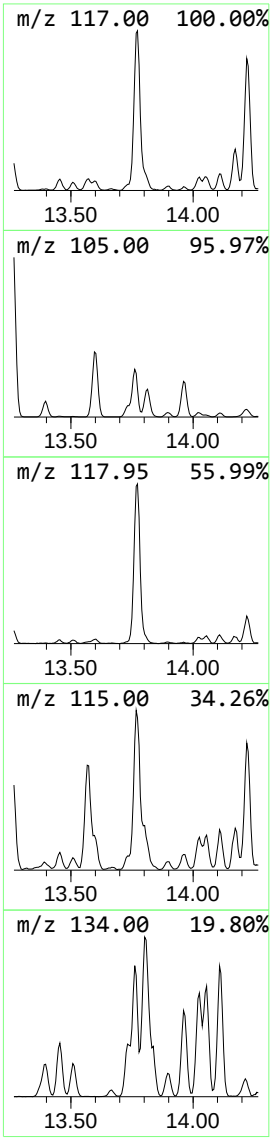
Peak Number 6 Benzene, 1-propenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.767	95.99 ug/l	4171890	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, cyclopropyl-	118	C9H10	000873-49-4	64
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	58
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	52
5	Indane	118	C9H10	000496-11-7	49





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Sample : M2583-03
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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

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

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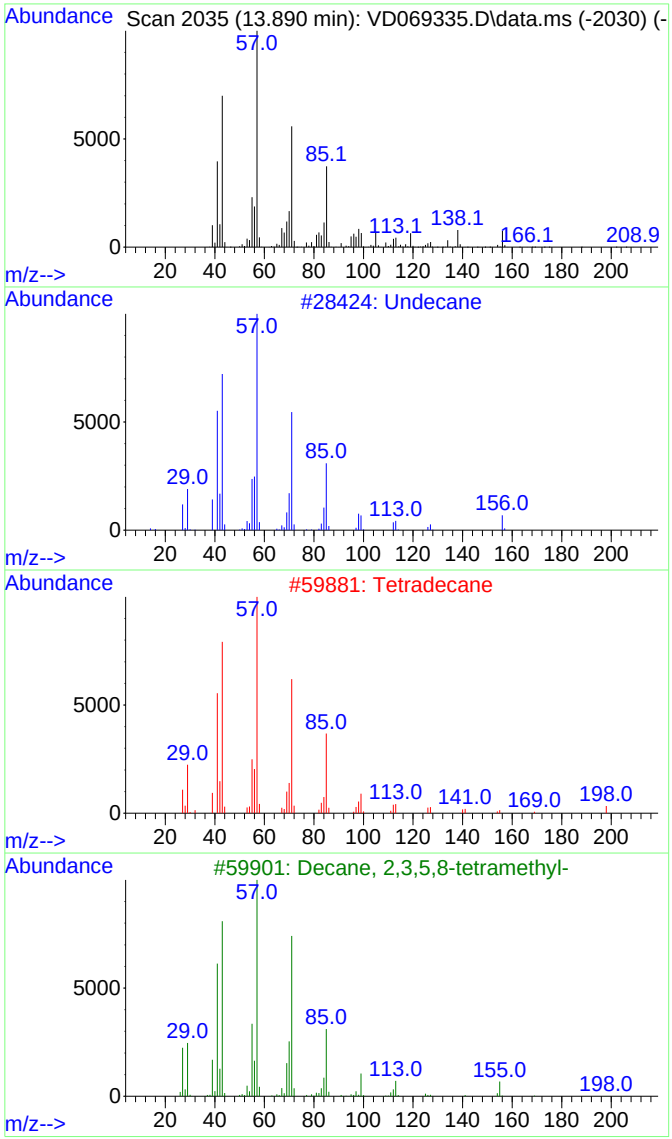
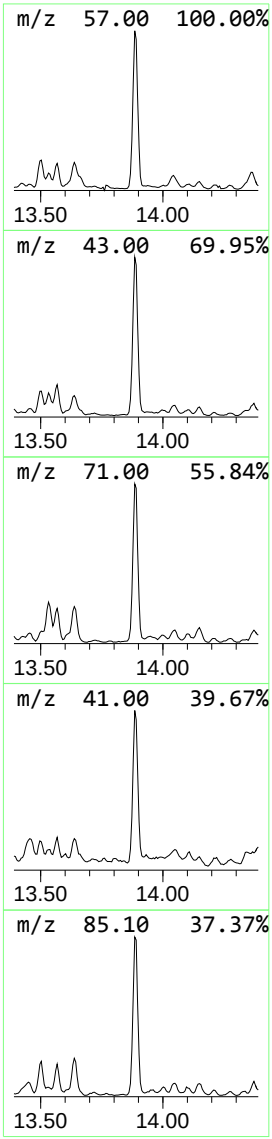
Peak Number 7 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.890	132.81 ug/l	5772000	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	93
2	Tetradecane	198	C14H30	000629-59-4	80
3	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	72
4	Nonadecane	268	C19H40	000629-92-5	64
5	Hexadecane	226	C16H34	000544-76-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

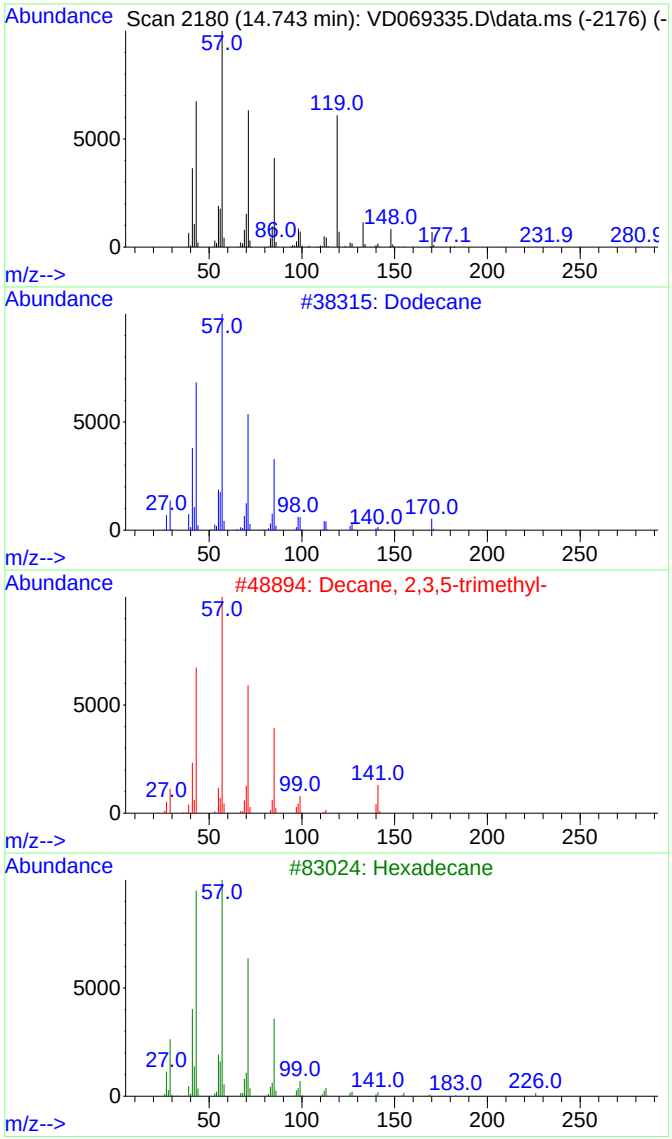
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

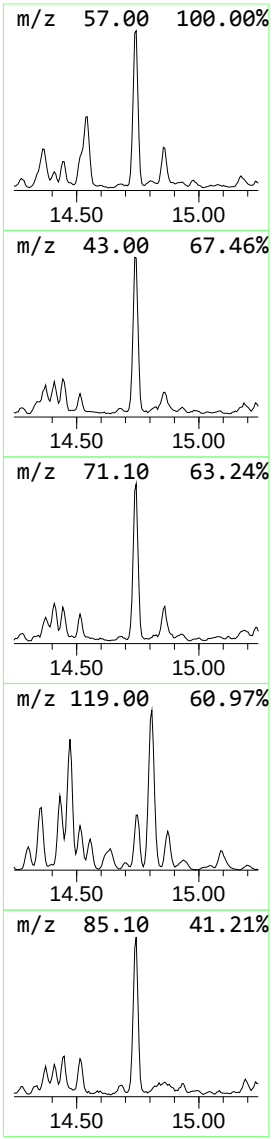
****

Peak Number 8 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.743	69.46 ug/l	3019060	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	47
3	Hexadecane	226	C16H34	000544-76-3	43
4	Tetradecane	198	C14H30	000629-59-4	38
5	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

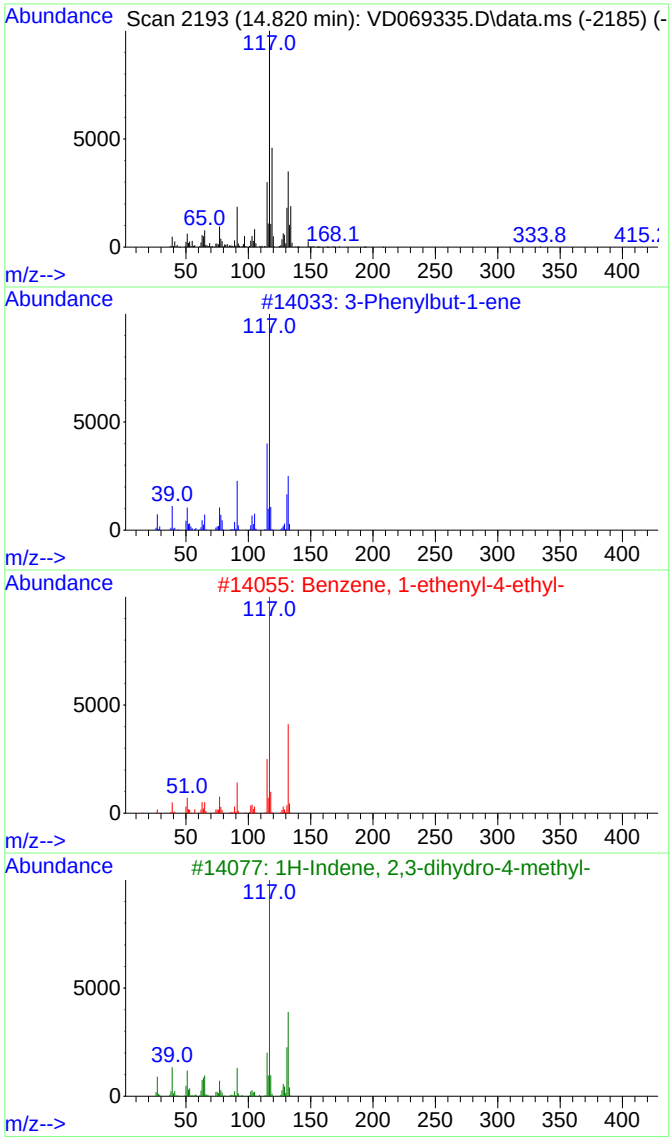
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

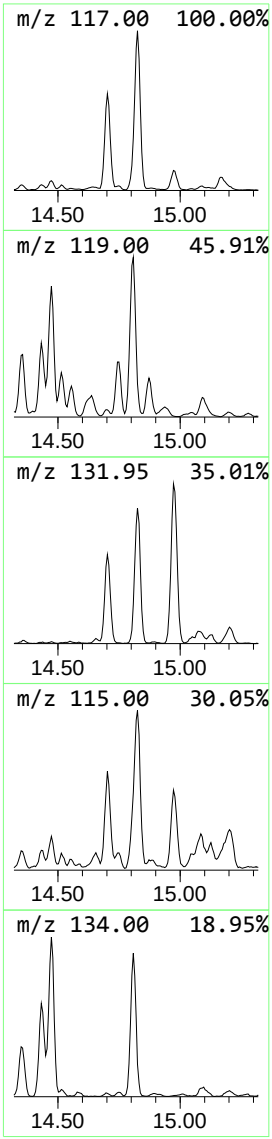
****

Peak Number 9 3-Phenylbut-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.820	132.20 ug/l	5745530	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	68
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

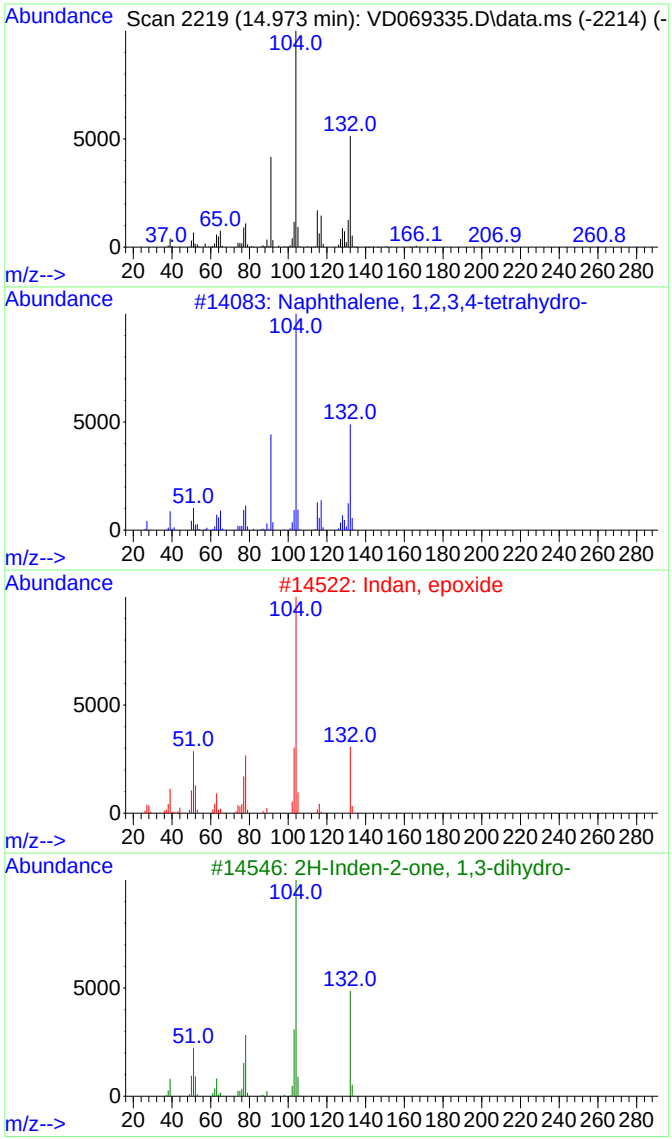
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260

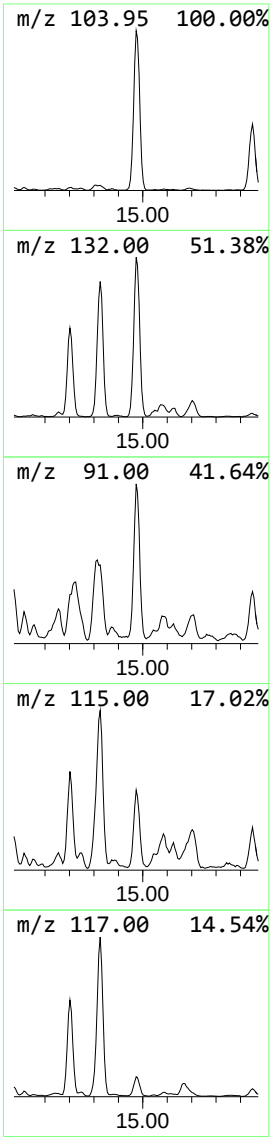
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.973	68.96 ug/l	2997170	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2	Indan, epoxide	132	C9H8O	000768-22-9	58
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	53
4	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
5	Acetic acid, 2-phenylethyl ester	164	C10H12O2	000103-45-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069335.D
Acq On : 03 Jun 2021 20:00
Operator : VA/SY
Sample : M2583-03
Misc : 1.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.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
unknown8.455	8.455	94.3	ug/l	4049200	2	8.867	2147420	50.0
Butane, 2,2,3,3...	8.514	74.5	ug/l	3198830	2	8.867	2147420	50.0
Heptane	8.726	374.7	ug/l	16093100	2	8.867	2147420	50.0
Benzene, 1-ethy...	12.879	119.5	ug/l	5194300	4	13.567	2173100	50.0
Mesitylene	13.114	77.1	ug/l	3351720	4	13.567	2173100	50.0
Benzene, 1-prop...	13.767	96.0	ug/l	4171890	4	13.567	2173100	50.0
Undecane	13.890	132.8	ug/l	5772000	4	13.567	2173100	50.0
Dodecane	14.743	69.5	ug/l	3019060	4	13.567	2173100	50.0
3-Phenylbut-1-ene	14.820	132.2	ug/l	5745530	4	13.567	2173100	50.0
Naphthalene, 1,...	14.973	69.0	ug/l	2997170	4	13.567	2173100	50.0