LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069114.D
Acq On : 07 May 2021 20:48
Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DRUM-D-E

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\82D050421S.M
Title : SW846 8260

Signal : TIC: VD069114.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	373	380	392	rVB2	19245	53200	1.00%	0.218%
2	7.914	1007	1019	1024	rBV2	106744	250513	4.73%	1.028%
3	7.979	1024	1030	1042	rVB	216679	491881	9.28%	2.018%
4	8.326	1080	1089	1100	rBV	145319	338455	6.39%	1.388%
5	8.867	1172	1181	1190	rBV	334942	684226	12.92%	2.807%
6	10.338	1423	1431	1438	rBV	606496	1083989	20.46%	4.447%
7	10.403	1438	1442	1449	rVB	31249	57569	1.09%	0.236%
8	11.444	1607	1619	1628	rVB7	44056	143290	2.70%	0.588%
9	11.644	1646	1653	1663	rVB	545324	962967	18.18%	3.950%
10	11.744	1663	1670	1678	rBV	201501	387352	7.31%	1.589%
11	11.844	1679	1687	1693	rBV	239975	562405	10.62%	2.307%
12	11.926	1698	1701	1706	rVB2	45156	74419	1.40%	0.305%
13	12.144	1731	1738	1739	rBV2	93699	137230	2.59%	0.563%
14	12.173	1739	1743	1751	rVV	183248	381473	7.20%	1.565%
15	12.261	1755	1758	1763	rVB2	39456	60577	1.14%	0.249%
16	12.350	1768	1773	1775	rBV4	53715	83250	1.57%	0.342%
17	12.473	1790	1794	1799	rVB2	55168	93669	1.77%	0.384%
18	12.626	1814	1820	1830	rVB	715017	1171037	22.10%	4.804%
19	12.714	1830	1835	1839	rBV7	27824	55460	1.05%	0.228%
20	12.797	1844	1849	1855	rVB5	63674	137023	2.59%	0.562%
21	12.879	1855	1863	1866	rBV	167545	312415	5.90%	1.282%
22	12.949	1870	1875	1881	rVV2	246192	505919	9.55%	2.075%
23	12.997	1881	1883	1891	rVB6	46630	76179	1.44%	0.313%
24	13.091	1895	1899	1902	rBV4	44624	72497	1.37%	0.297%
25	13.179	1911	1914	1922	rVB5	78214	141007	2.66%	0.578%
26	13.261	1923	1928	1933	rBV	358108	582579	11.00%	2.390%
27	13.391	1947	1950	1955	rBV7	32387	54656	1.03%	0.224%
28	13.455	1957	1961	1965	rVV5	94627	171897	3.24%	0.705%
29	13.497	1965	1968	1972	rVV6	43203	68835	1.30%	0.282%
30	13.567	1975	1980	1989	rVB2	615701	1171558	22.11%	4.806%
31	13.773	2008	2015	2024	rVB	1467029	2476651	46.75%	10.160%
32	13.891	2029	2035	2040	rBV3	216426	397827	7.51%	1.632%
33	13.949	2041	2045	2049	rVV	77488	124761	2.35%	0.512%
34	14.108	2067	2072	2084	rVB3	154587	395425	7.46%	1.622%
35	14.220	2086	2091	2096	rBV7	93731	204242	3.86%	0.838%
36	14.279	2098	2101	2108	rVB6	81245	128602	2.43%	0.528%

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Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DRUM-D-E

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\82D050421S.M
Title : SW846 8260

37	14.349	2108	2113	2117	rBV6	52954	117182	2.21%	0.481%
38	14.402	2117	2122	2125	rBV4	185428	348536	6.58%	1.430%
39	14.508	2136	2140	2146	rBV4	94242	186258	3.52%	0.764%
40	14.702	2169	2173	2178	rBV	129969	208971	3.94%	0.857%
41	14.820	2187	2193	2198	rBV4	215436	480932	9.08%	1.973%
42	14.973	2215	2219	2225	rBV4	133420	253647	4.79%	1.041%
43	15.091	2234	2239	2244	rVB4	109395	170705	3.22%	0.700%
44	15.391	2283	2290	2301	rVB	2915561	5297725	100.00%	21.733%
45	15.496	2304	2308	2315	rVB2	92819	179108	3.38%	0.735%
46	16.485	2469	2476	2490	rVB	791416	1792595	33.84%	7.354%
47	16.690	2503	2511	2523	rVB	512986	1245284	23.51%	5.109%

Sum of corrected areas: 24375978

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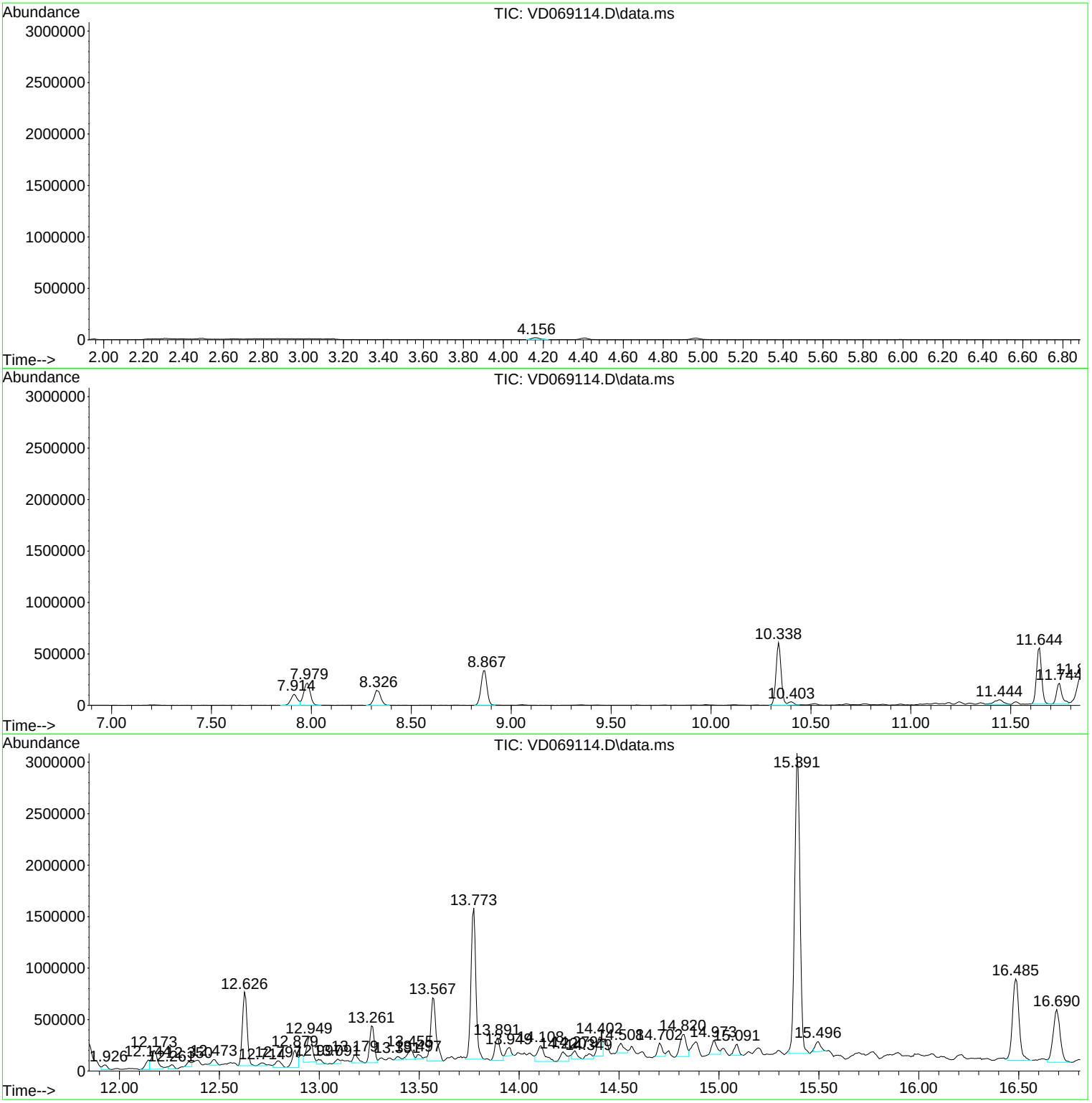
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069114.D
Acq On : 07 May 2021 20:48
Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

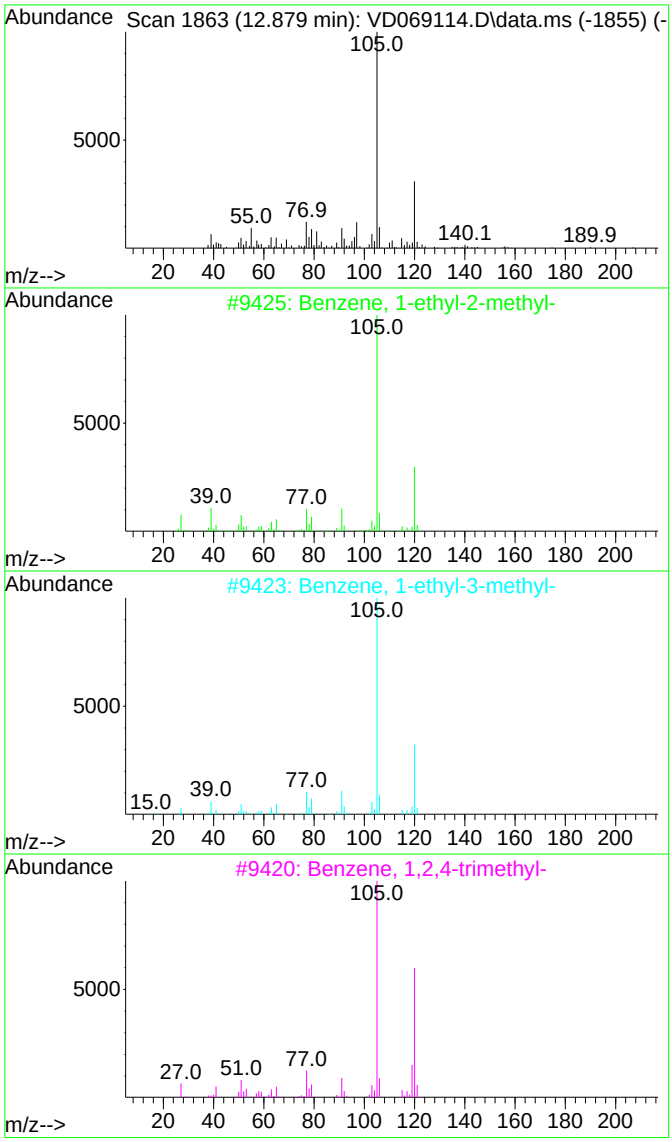
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

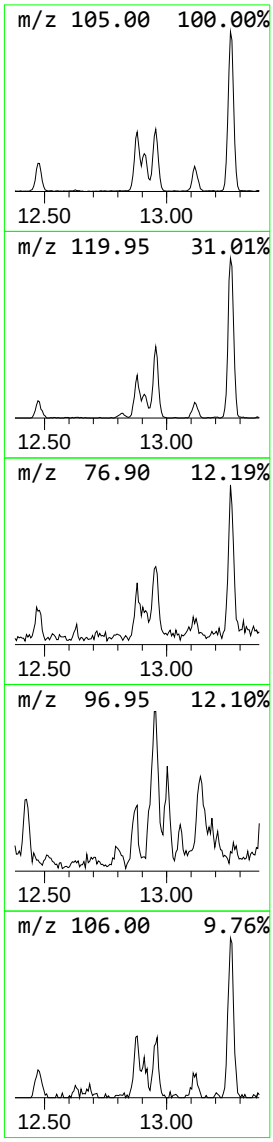
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.879	13.33 ug/l	312415	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	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
4	Mesitylene	120	C9H12	000108-67-8	81
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069114.D
Acq On : 07 May 2021 20:48
Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DRUM-D-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

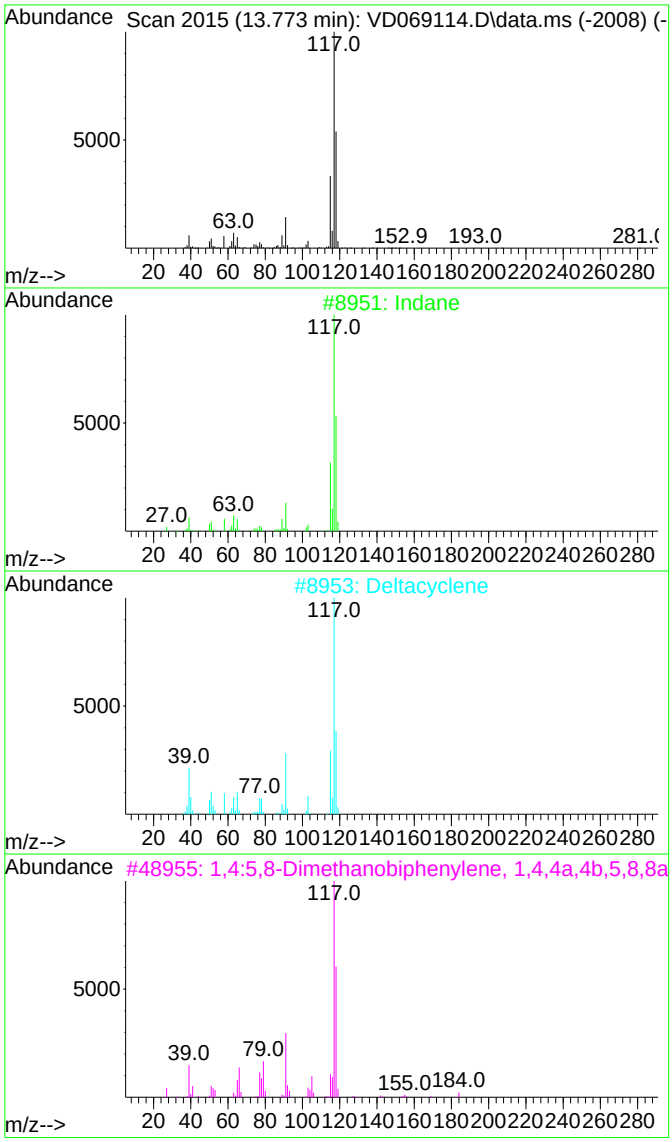
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

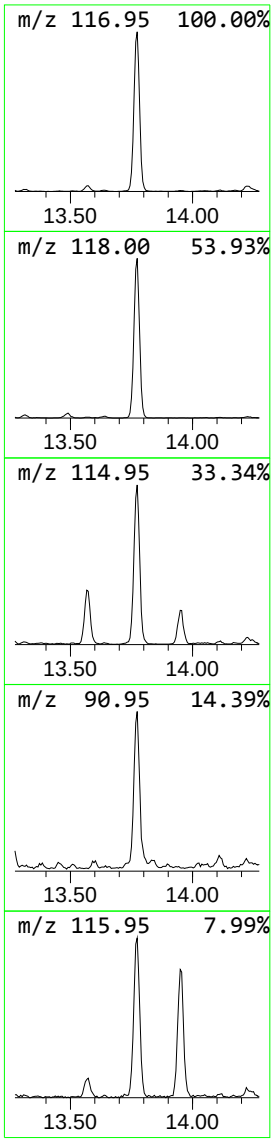
****

Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.773	105.70 ug/l	2476650	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Deltacyclene	118	C9H10	007785-10-6	72
3	1,4:5,8-Dimethanobiphenylene, 1,...	184	C14H16	001624-13-1	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069114.D
Acq On : 07 May 2021 20:48
Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

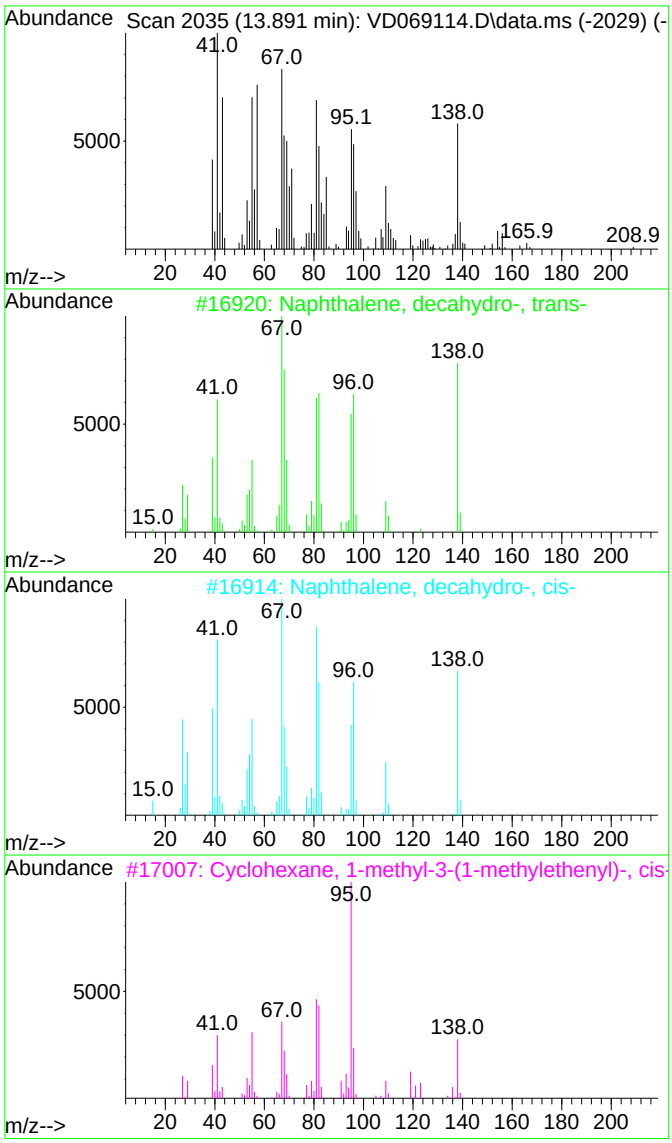
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

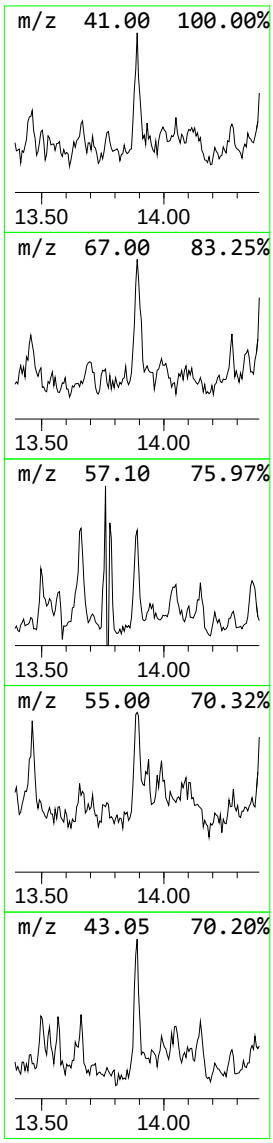
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, decahydro-, tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.891	16.98 ug/l	397827	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	87
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76
3	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	70
4	Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	70
5	endo-2-Methylbicyclo[3.3.1]nonane	138	C10H18	042558-37-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069114.D
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Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DRUM-D-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

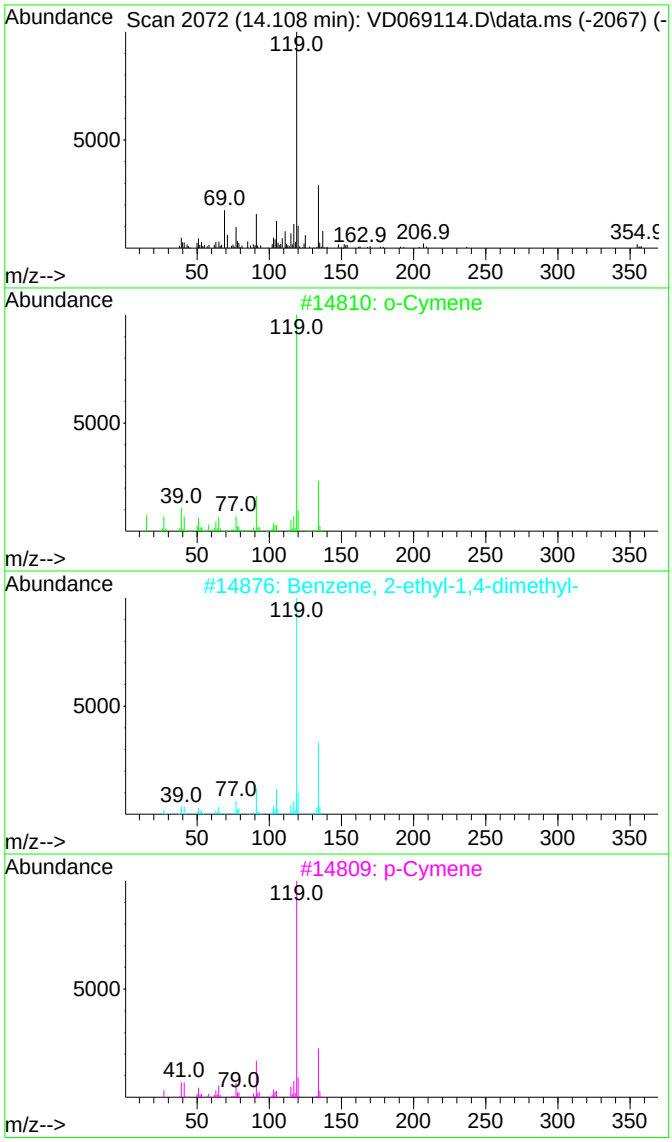
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

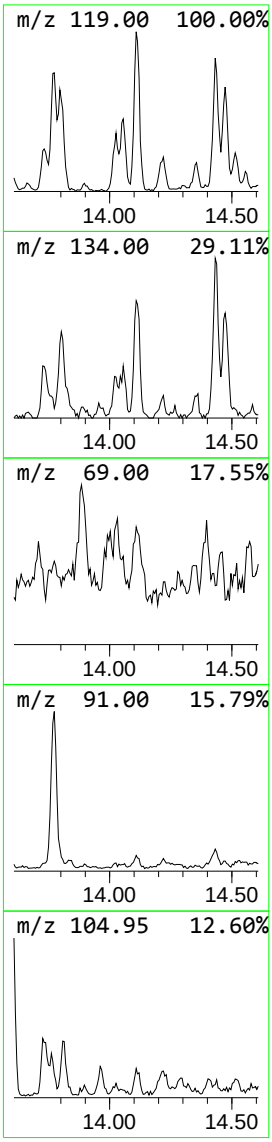
****

Peak Number 4 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.108	16.88 ug/l	395425	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	p-Cymene	134	C10H14	000099-87-6	89
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	89
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87





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Data File : VD069114.D
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Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

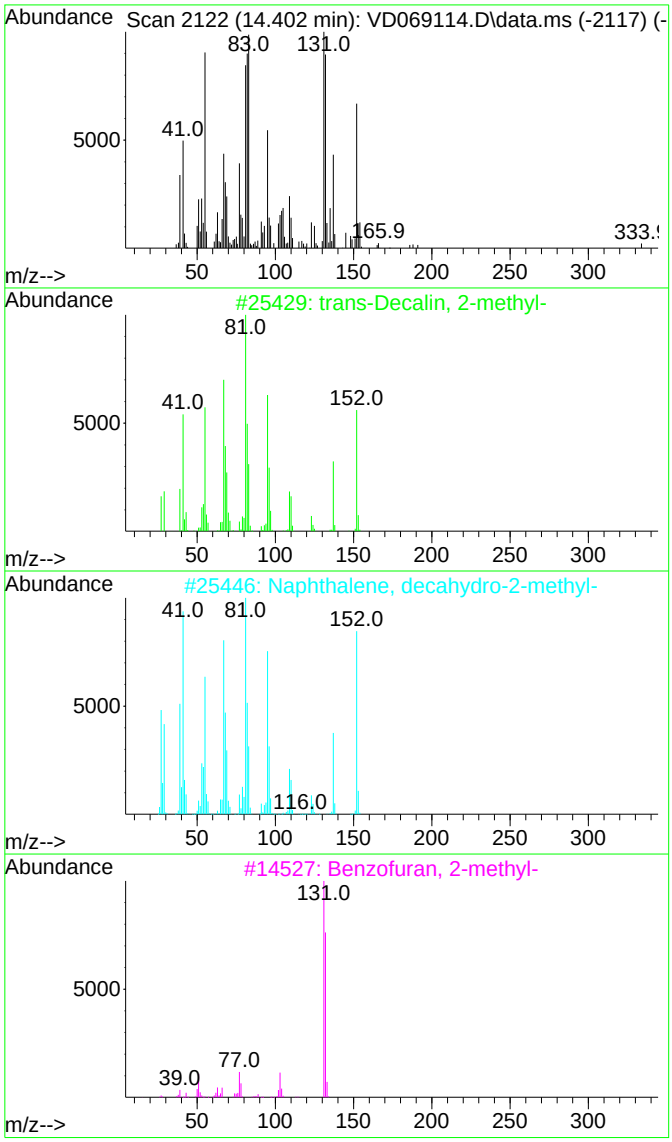
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

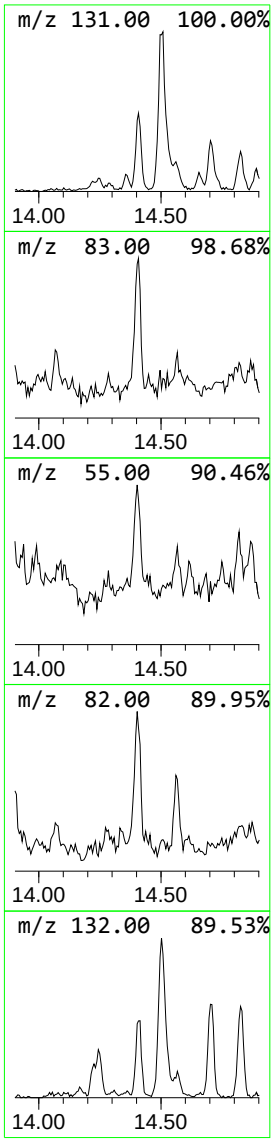
****

Peak Number 5 unknown14.402 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.402	14.87 ug/l	348536	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	38
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	38
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	35
4	Dodeca-1,6-dien-12-ol, 6,10-dime...	210	C14H26O	1000156-13-8	30
5	9-Tetradecen-1-ol, acetate, (E)-	254	C16H30O2	023192-82-7	27





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Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

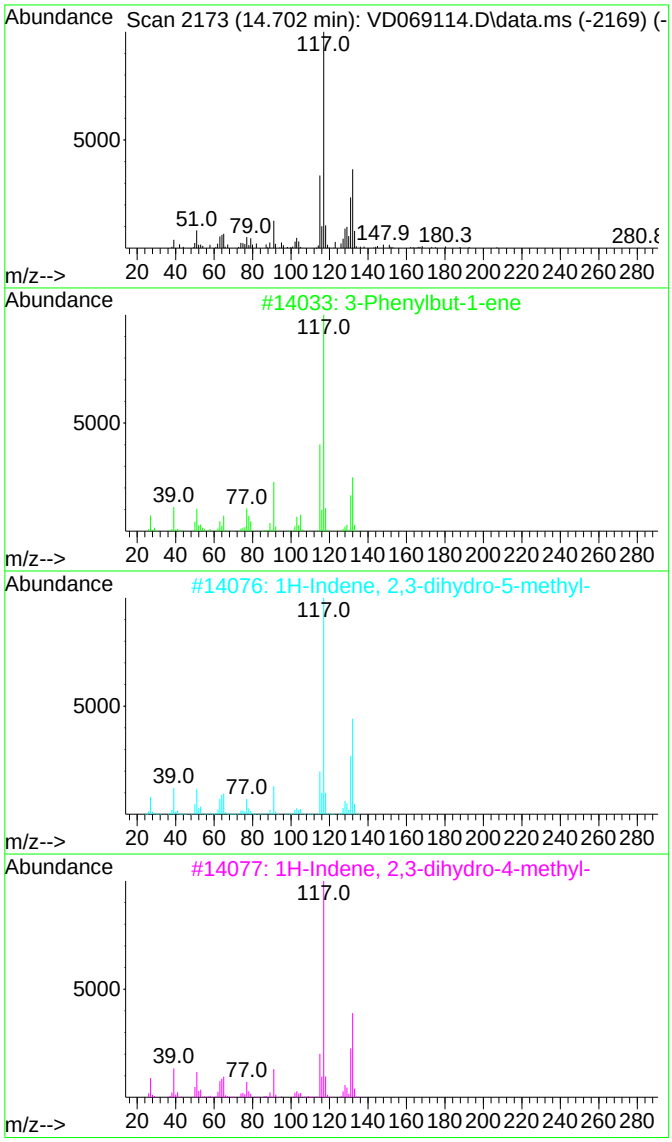
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

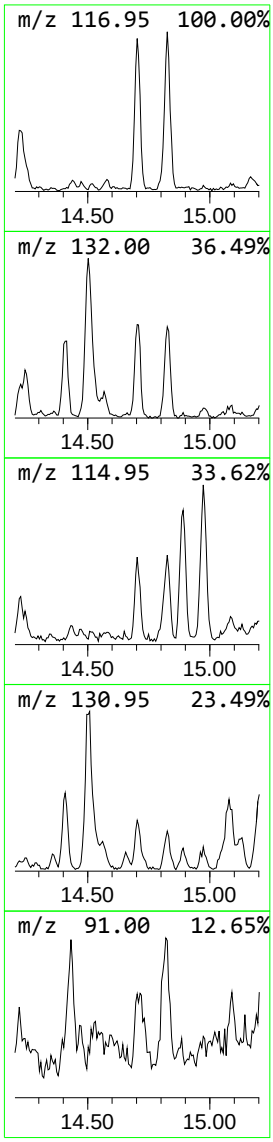
****

Peak Number 6 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.702	8.92 ug/l	208971	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	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	81





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Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

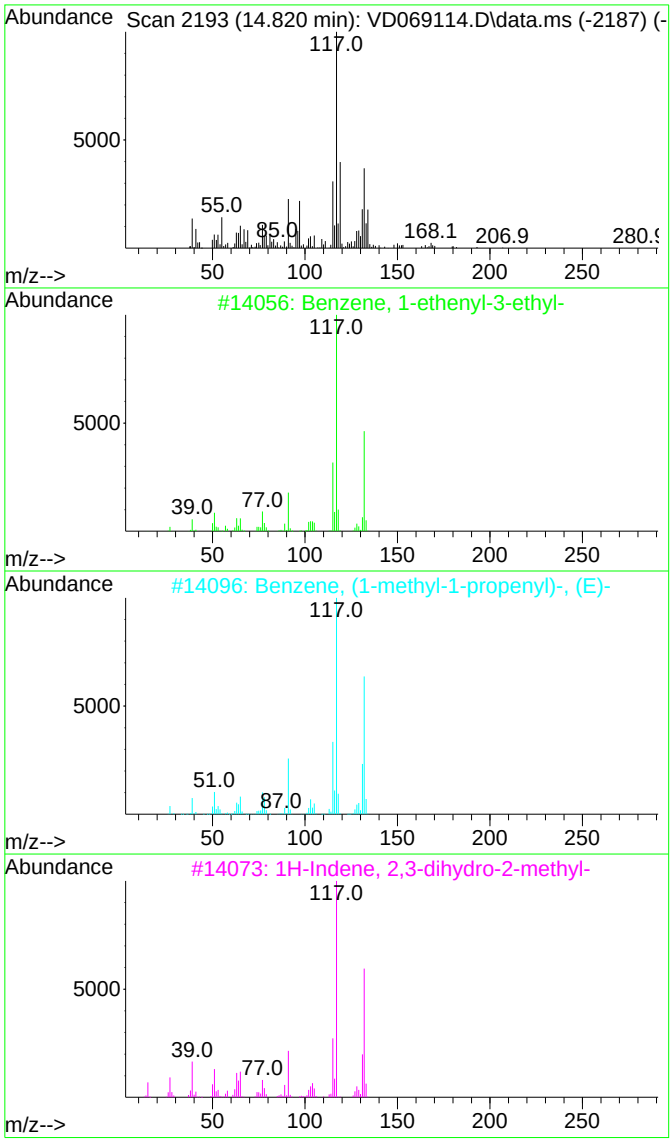
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

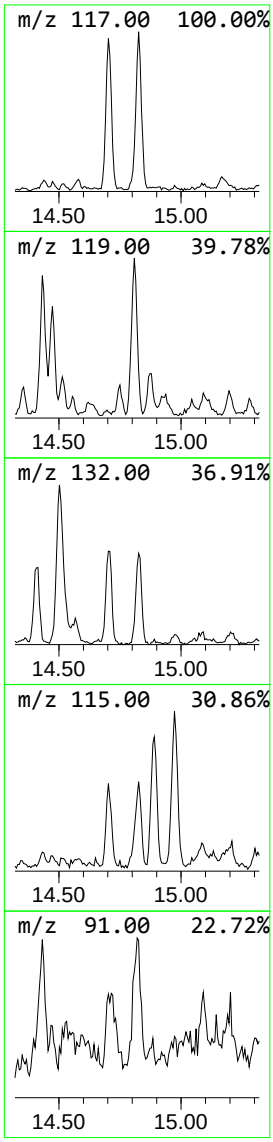
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.820	20.53 ug/l	480932	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	64
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	60
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	58
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069114.D
Acq On : 07 May 2021 20:48
Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

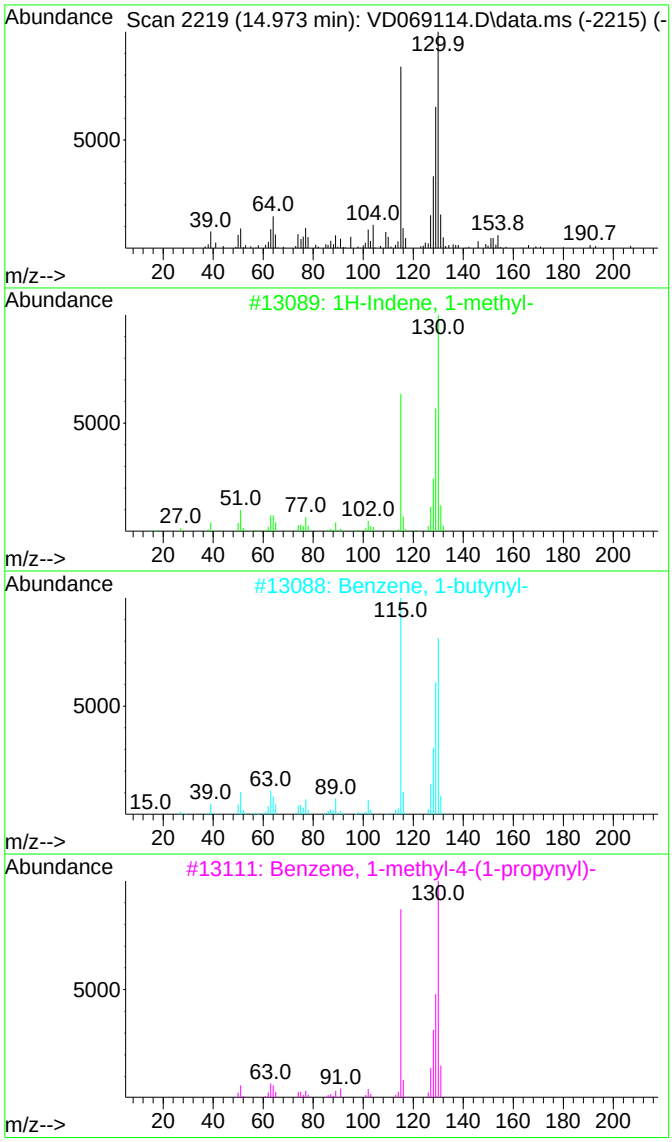
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

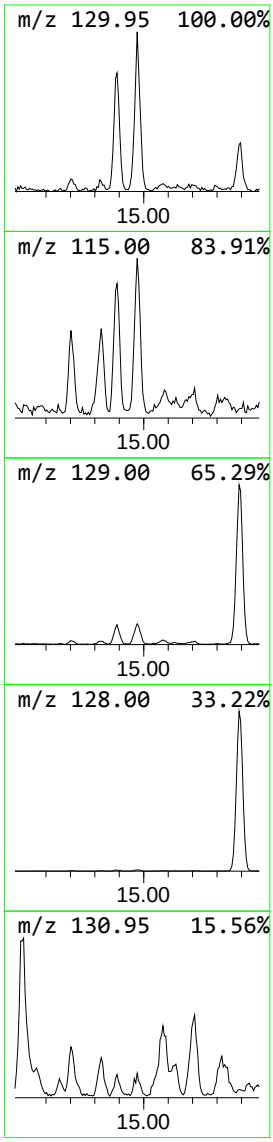
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.973	10.83 ug/l	253647	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
3	Benzene, 1-methyl-4-(1-propynyl)-	130	C10H10	002749-93-1	93
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	87
5	2-Methylindene	130	C10H10	002177-47-1	87





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Data File : VD069114.D
Acq On : 07 May 2021 20:48
Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DRUM-D-E

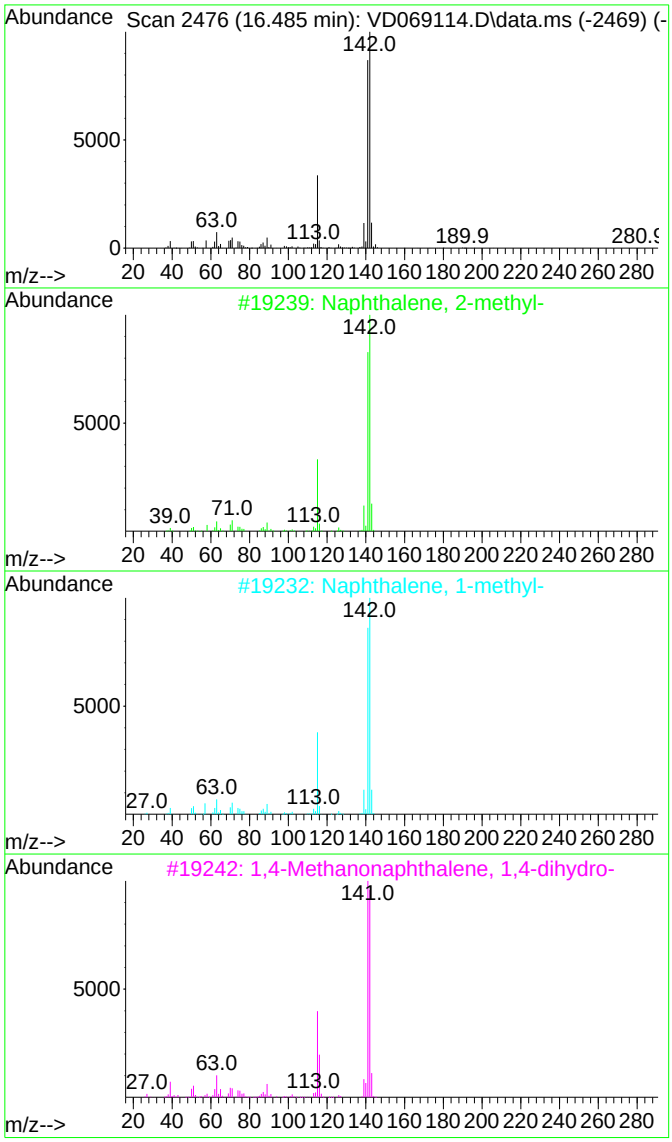
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

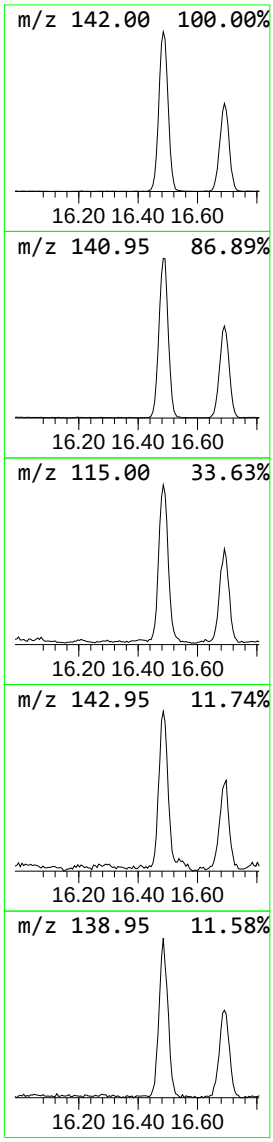
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.485	76.50 ug/l	1792600	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069114.D
Acq On : 07 May 2021 20:48
Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DRUM-D-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260

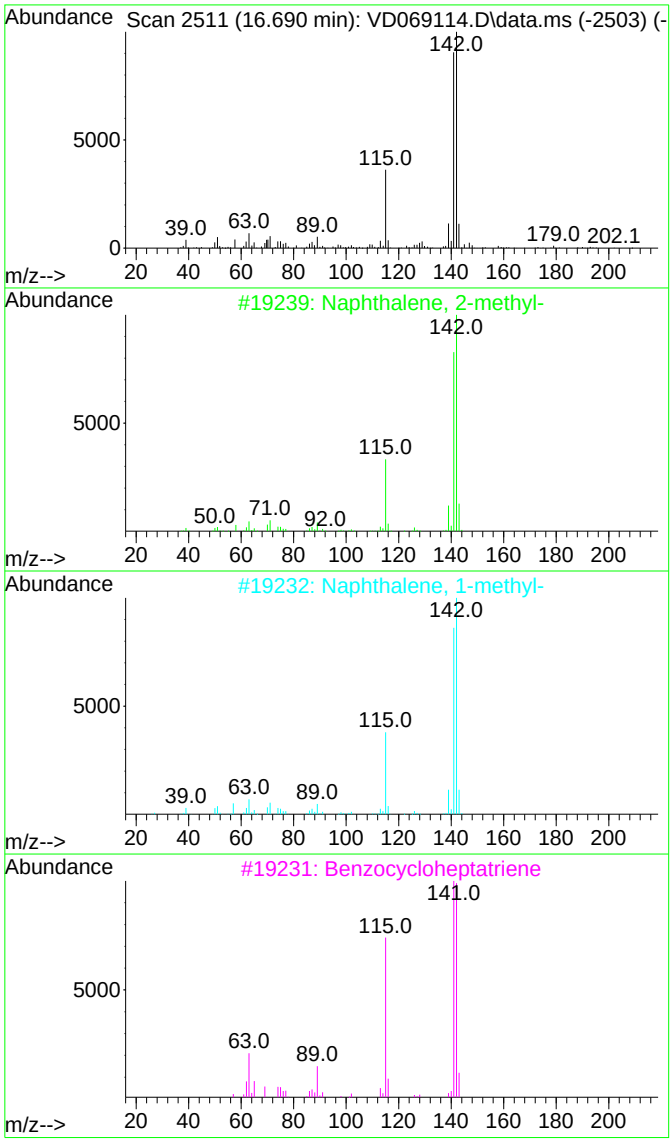
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

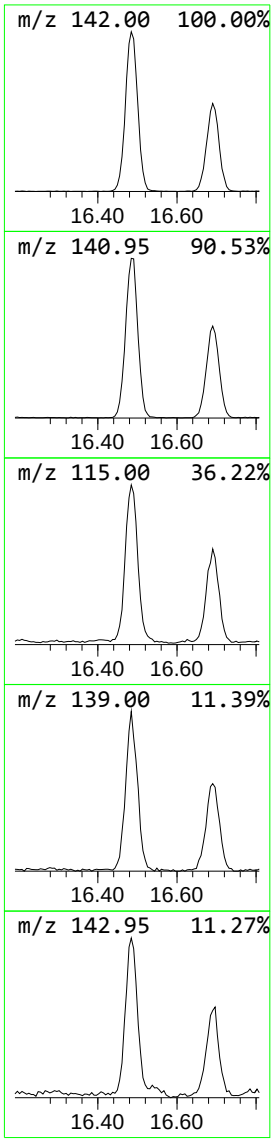
****

Peak Number 10 Benzocycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.691	53.15 ug/l	1245280	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069114.D
Acq On : 07 May 2021 20:48
Operator : VA/SY
Sample : M2295-05
Misc : 4.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DRUM-D-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.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
Benzene, 1-ethy...	12.879	13.3	ug/l	312415	4	13.567	1171560	50.0
Indane	13.773	105.7	ug/l	2476650	4	13.567	1171560	50.0
Naphthalene, de...	13.891	17.0	ug/l	397827	4	13.567	1171560	50.0
o-Cymene	14.108	16.9	ug/l	395425	4	13.567	1171560	50.0
unknown14.402	14.402	14.9	ug/l	348536	4	13.567	1171560	50.0
3-Phenylbut-1-ene	14.702	8.9	ug/l	208971	4	13.567	1171560	50.0
Benzene, 1-ethe...	14.820	20.5	ug/l	480932	4	13.567	1171560	50.0
1H-Indene, 1-me...	14.973	10.8	ug/l	253647	4	13.567	1171560	50.0
Naphthalene, 1-...	16.485	76.5	ug/l	1792600	4	13.567	1171560	50.0
Benzocyclohepta...	16.691	53.1	ug/l	1245280	4	13.567	1171560	50.0