LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

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\82D080823S.M
Title : SW846 8260

Signal : TIC: VD076999.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	18	26	36	rVB	548782	979731	8.49%	1.365%
2	7.805	1044	1057	1063	rBV2	143582	357121	3.09%	0.497%
3	7.875	1063	1069	1078	rVB	255058	571638	4.95%	0.796%
4	8.228	1115	1129	1140	rBV2	107323	265836	2.30%	0.370%
5	8.775	1213	1222	1233	rBV	445527	879916	7.62%	1.226%
6	10.269	1467	1476	1485	rBV	578184	1022559	8.86%	1.424%
7	11.581	1690	1699	1709	rBV	678254	1149634	9.96%	1.601%
8	12.575	1860	1868	1875	rBV	412800	683441	5.92%	0.952%
9	13.210	1970	1976	1984	rBV	135729	222545	1.93%	0.310%
10	13.516	2022	2028	2032	rBV	669595	1186471	10.28%	1.653%
11	13.716	2050	2062	2065	rBV2	731840	1470931	12.75%	2.049%
12	13.757	2065	2069	2079	rVV3	1225346	2464504	21.35%	3.433%
13	13.845	2079	2084	2089	rVB2	109803	163888	1.42%	0.228%
14	13.916	2089	2096	2101	rBV	548065	863876	7.49%	1.203%
15	13.975	2101	2106	2108	rVV	1429212	2058414	17.84%	2.867%
16	14.004	2108	2111	2116	rVV	1790525	2631442	22.80%	3.666%
17	14.063	2116	2121	2127	rVB	4000135	5751477	49.83%	8.012%
18	14.169	2132	2139	2144	rVV2	1202741	2024178	17.54%	2.820%
19	14.222	2144	2148	2149	rVV	150031	206888	1.79%	0.288%
20	14.245	2149	2152	2156	rVV3	210708	350011	3.03%	0.488%
21	14.304	2156	2162	2167	rVV	1492291	2259118	19.57%	3.147%
22	14.387	2167	2176	2179	rVV	3953258	6228530	53.97%	8.676%
23	14.428	2179	2183	2187	rVV	6566039	9634451	83.48%	13.420%
24	14.469	2187	2190	2194	rVV	1355686	1954183	16.93%	2.722%
25	14.510	2194	2197	2204	rVV2	769769	1313930	11.38%	1.830%
26	14.569	2204	2207	2210	rVV	223320	341964	2.96%	0.476%
27	14.610	2210	2214	2218	rVV	665377	1000846	8.67%	1.394%
28	14.657	2218	2222	2226	rVV2	1501658	2545517	22.06%	3.546%
29	14.698	2226	2229	2234	rVB	1116638	1659981	14.38%	2.312%
30	14.769	2234	2241	2247	rBV2	5248792	11541179	100.00%	16.076%
31	14.828	2247	2251	2257	rVB	1013543	1514409	13.12%	2.110%
32	14.922	2263	2267	2270	rBV2	166273	236060	2.05%	0.329%
33	14.957	2270	2273	2281	rVB	138362	203434	1.76%	0.283%
34	15.039	2281	2287	2299	rVB	1231570	2788663	24.16%	3.885%
35	15.145	2299	2305	2313	rBV2	518942	902627	7.82%	1.257%
36	15.287	2323	2329	2333	rBV	73996	146463	1.27%	0.204%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

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\82D080823S.M
Title : SW846 8260

37	15.334	2333	2337	2343	rVB	68353	120875	1.05%	0.168%
38	15.439	2349	2355	2360	rBV	177784	305775	2.65%	0.426%
39	15.528	2367	2370	2380	rVB2	72284	125541	1.09%	0.175%
40	15.628	2380	2387	2394	rBV	165710	351365	3.04%	0.489%
41	15.798	2411	2416	2428	rVB2	68580	185819	1.61%	0.259%
42	15.922	2430	2437	2443	rVV	101584	197979	1.72%	0.276%
43	15.992	2443	2449	2456	rVB5	52880	137902	1.19%	0.192%
44	16.469	2524	2530	2537	rBV	259850	461101	4.00%	0.642%
45	16.604	2543	2553	2566	rBV6	94401	326979	2.83%	0.455%

Sum of corrected areas: 71789192

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
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Acq On : 14 Aug 2023 14:17
Operator : JC/SY
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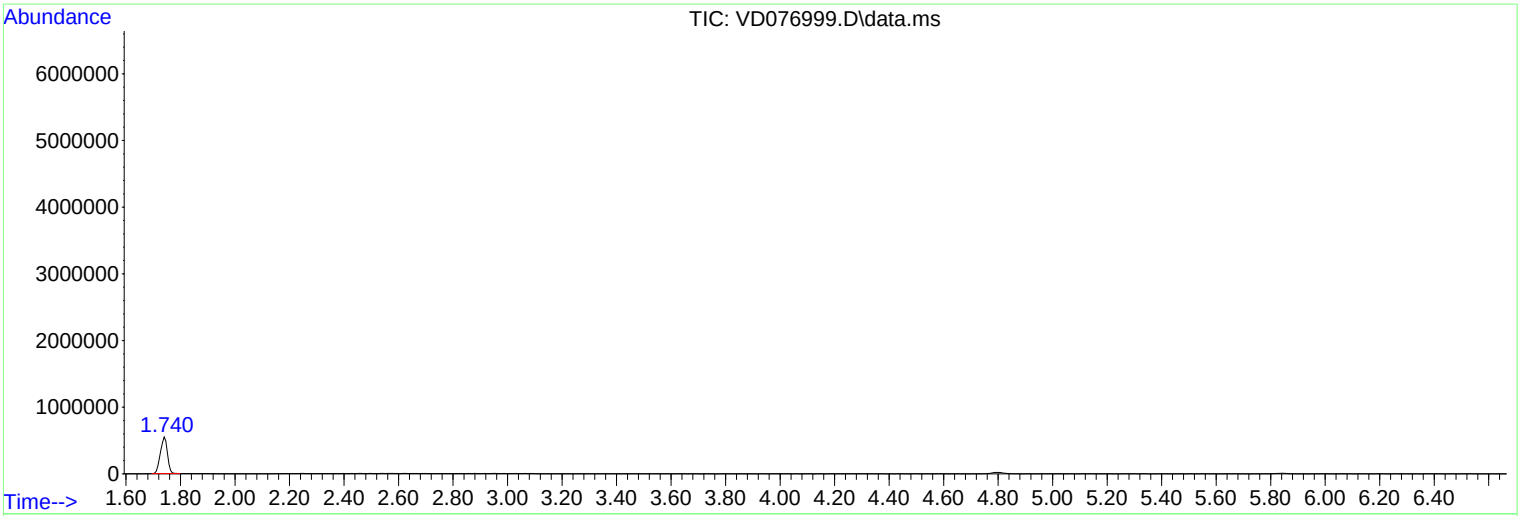
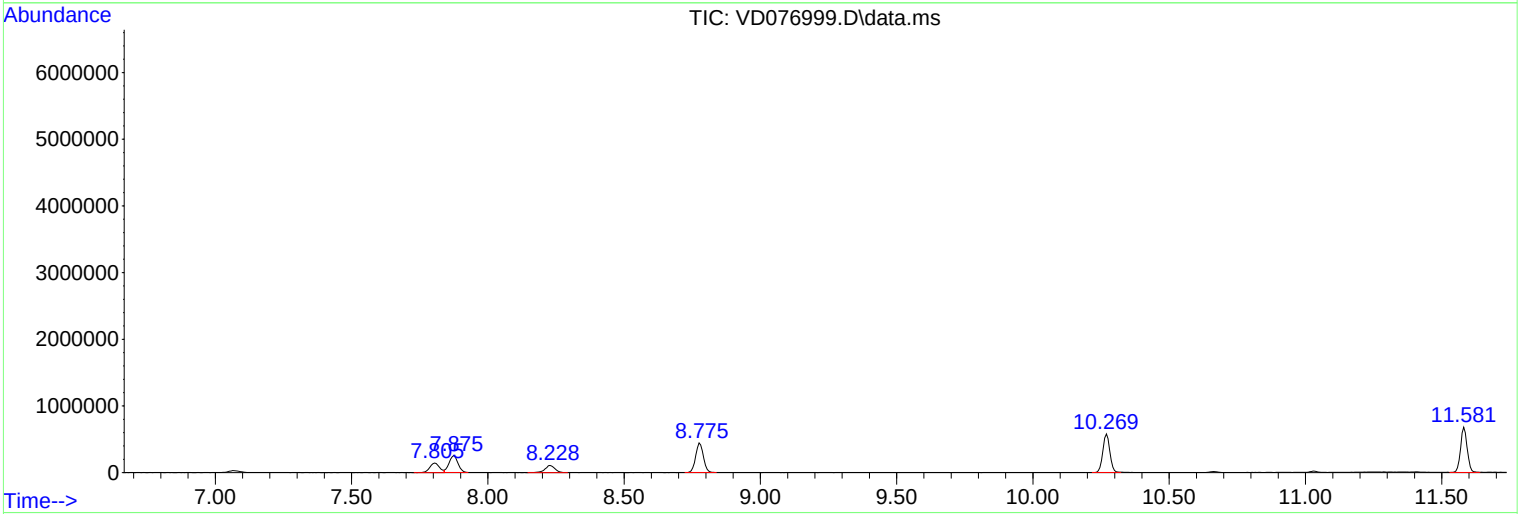
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

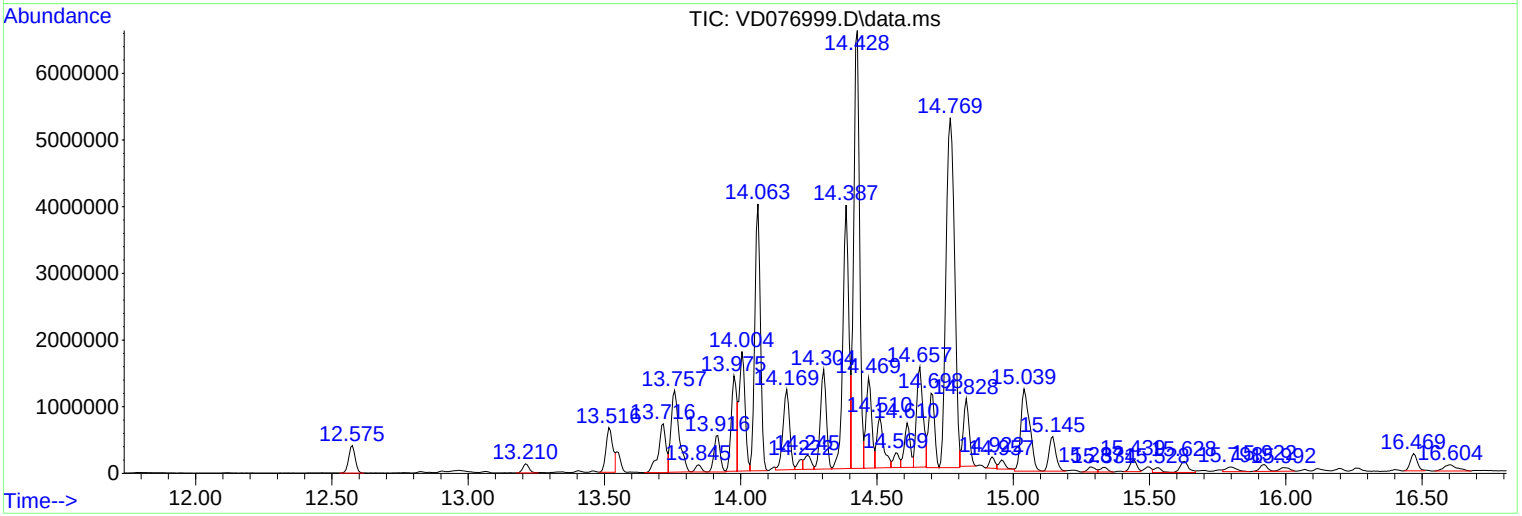
Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

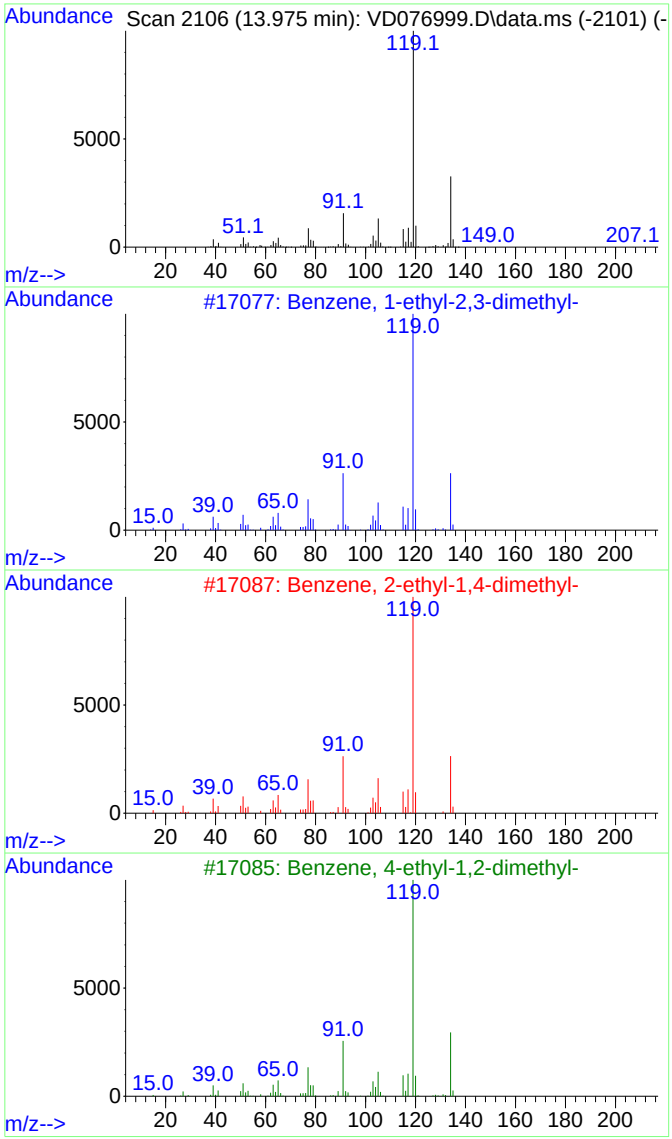
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

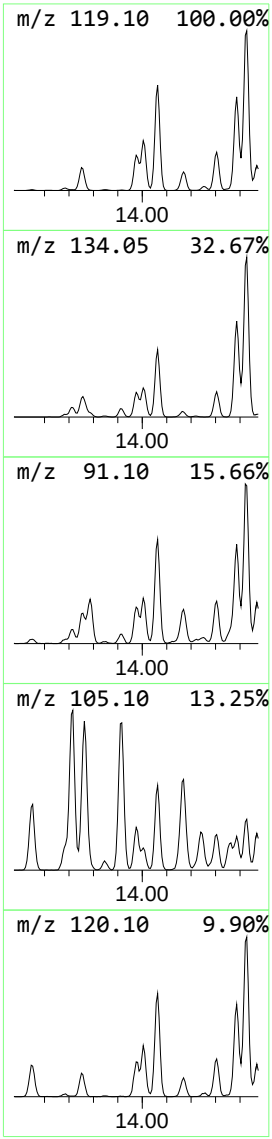
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.975	86.75 ug/l	2058410	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

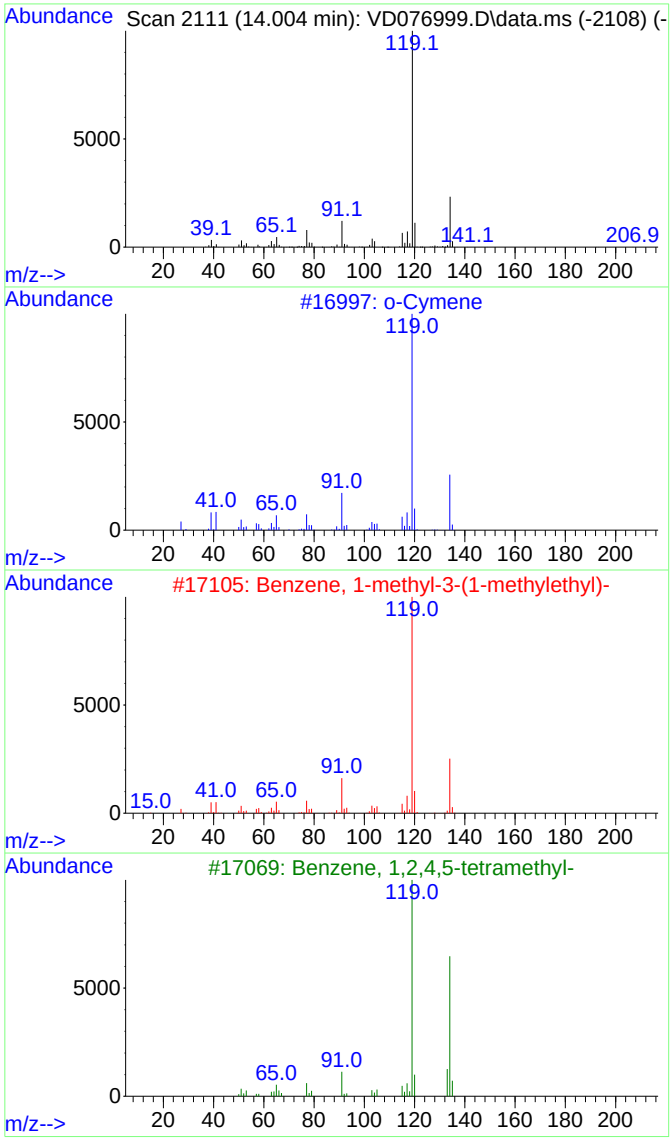
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

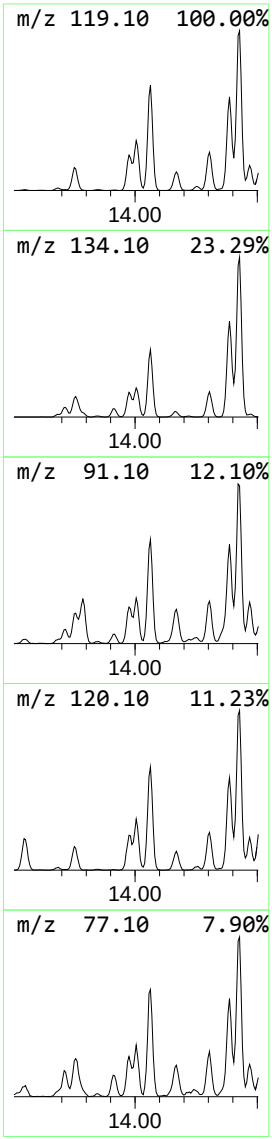
****

Peak Number 3 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.004	110.89 ug/l	2631440	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

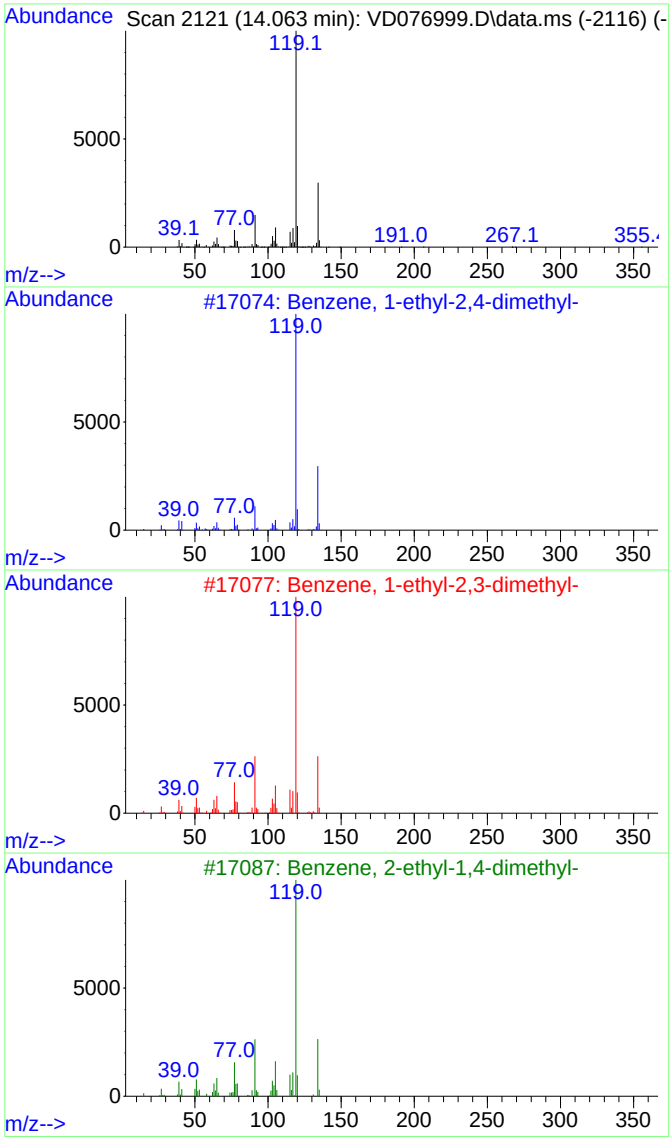
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

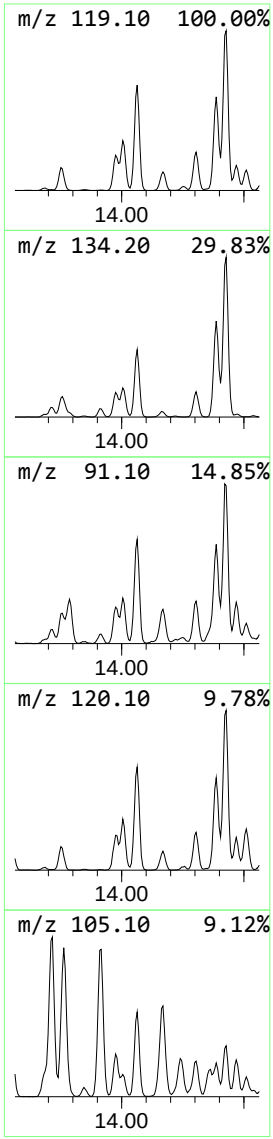
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.063	242.38 ug/l	5751480	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

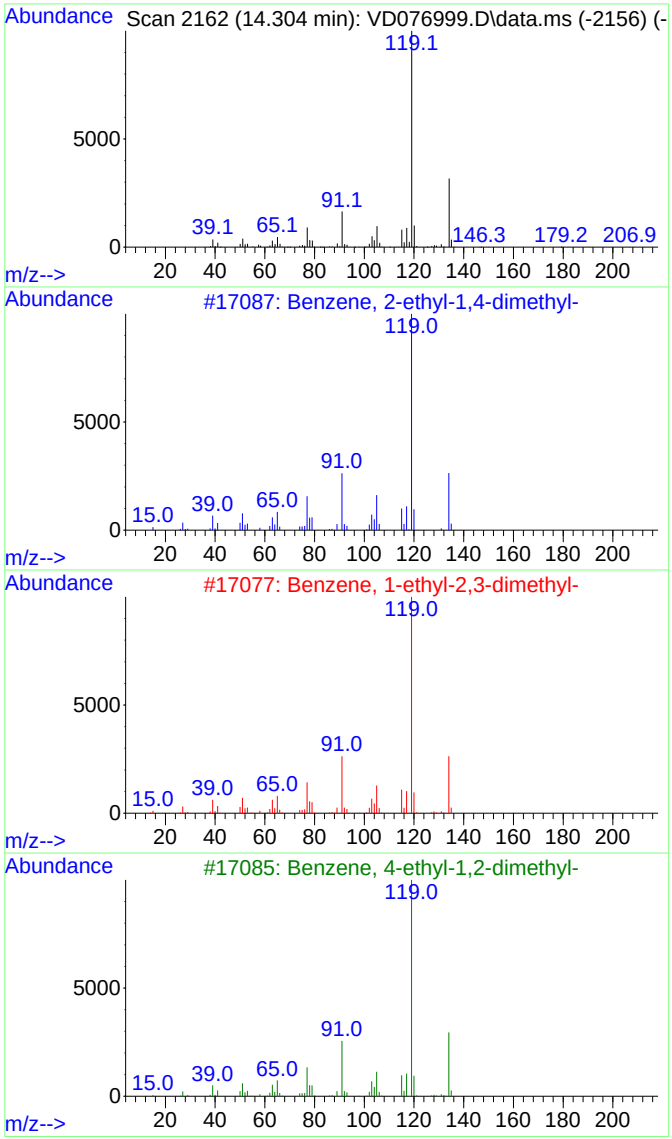
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

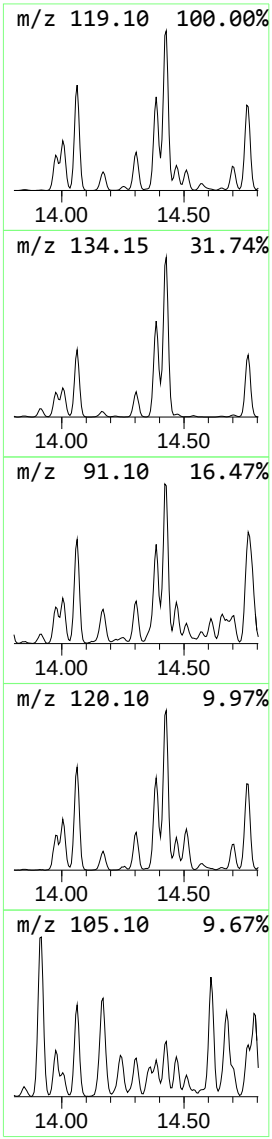
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.304	95.20 ug/l	2259120	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

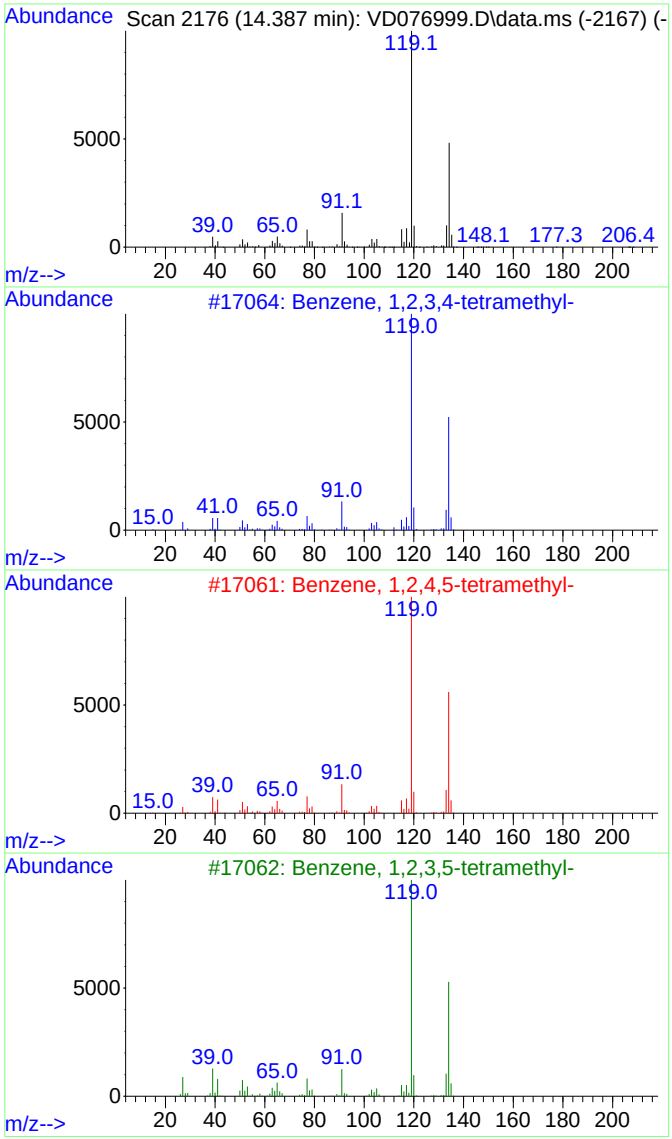
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

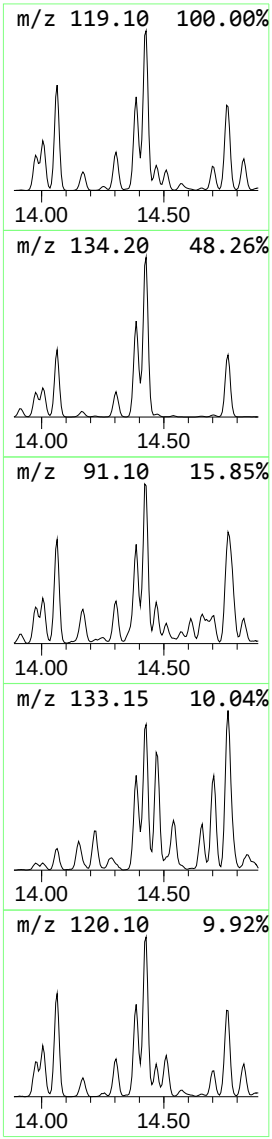
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.387	262.48 ug/l	6228530	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

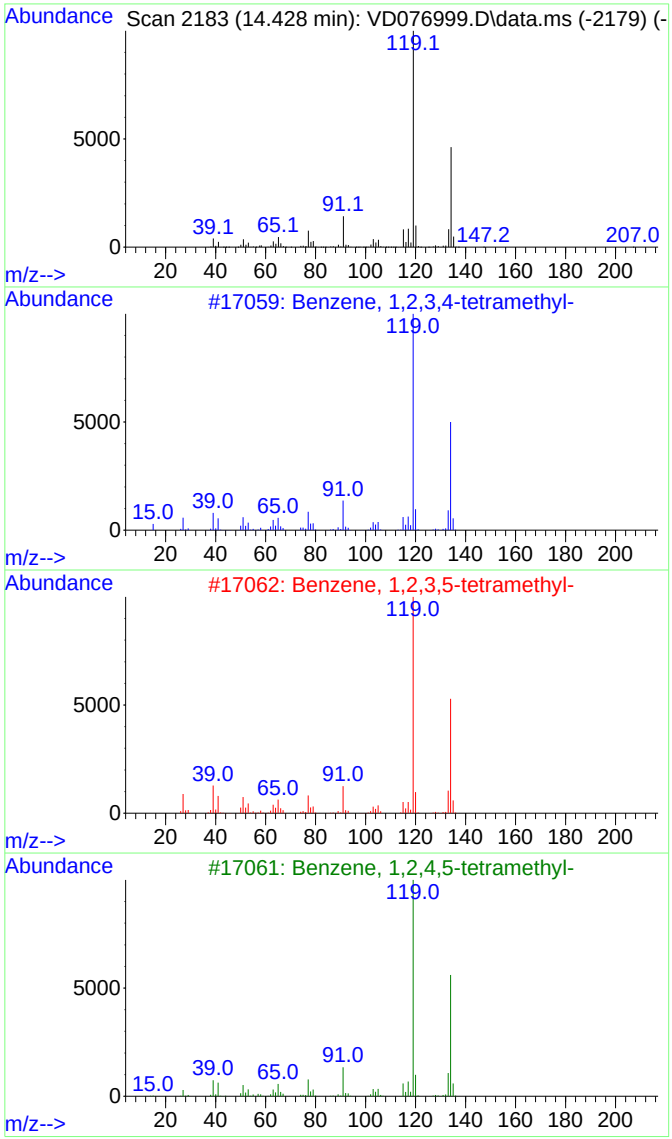
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

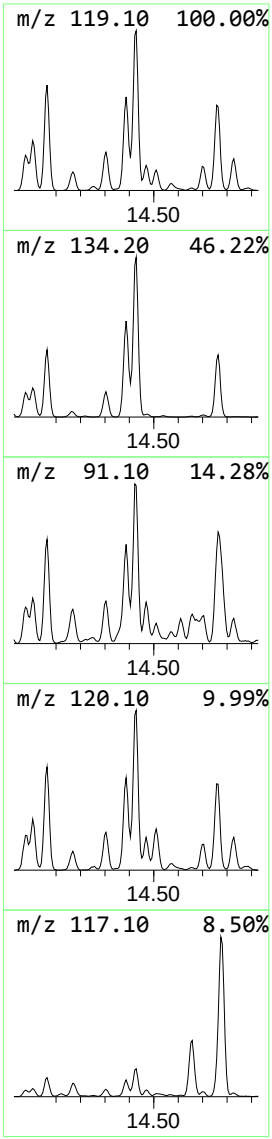
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.428	406.01 ug/l	9634450	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	o-Cymene	134	C10H14	000527-84-4	96
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
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Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

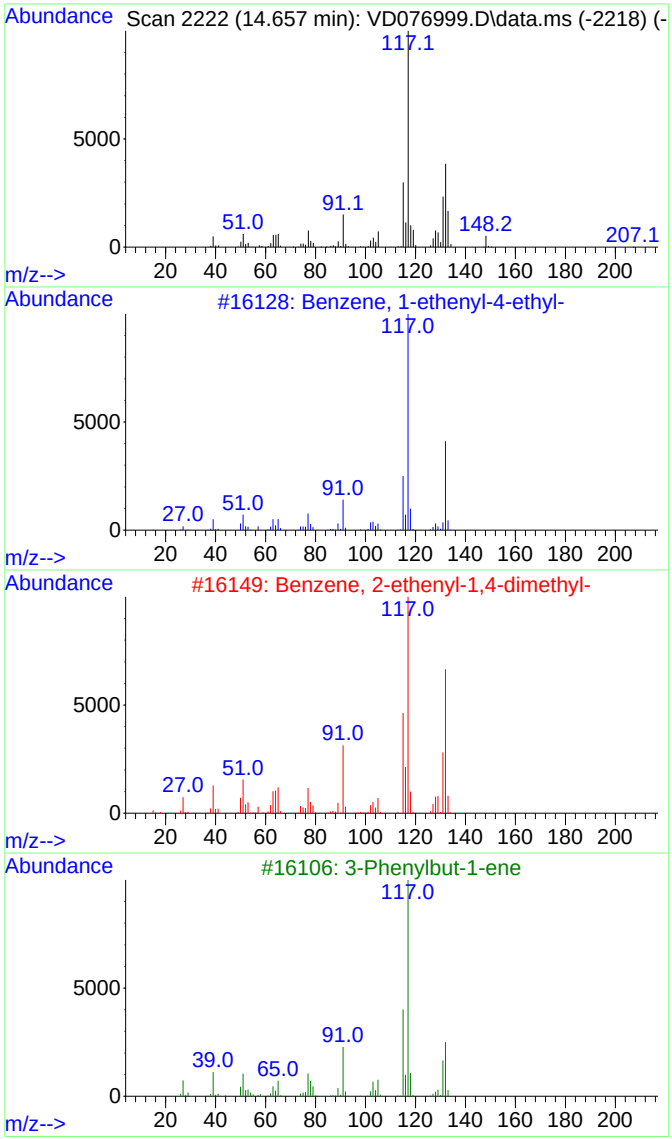
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

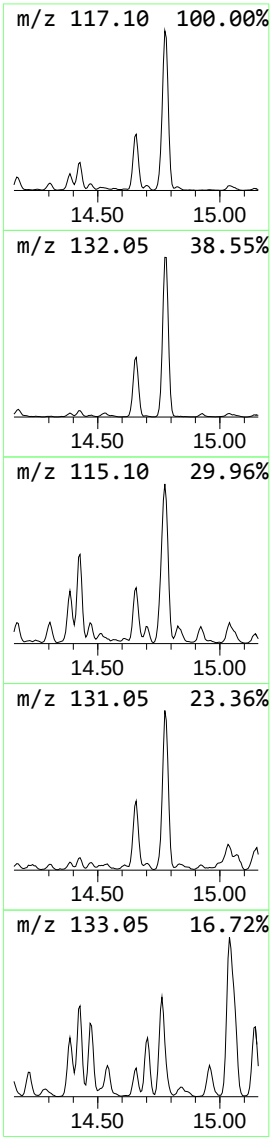
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.657	107.27 ug/l	2545520	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

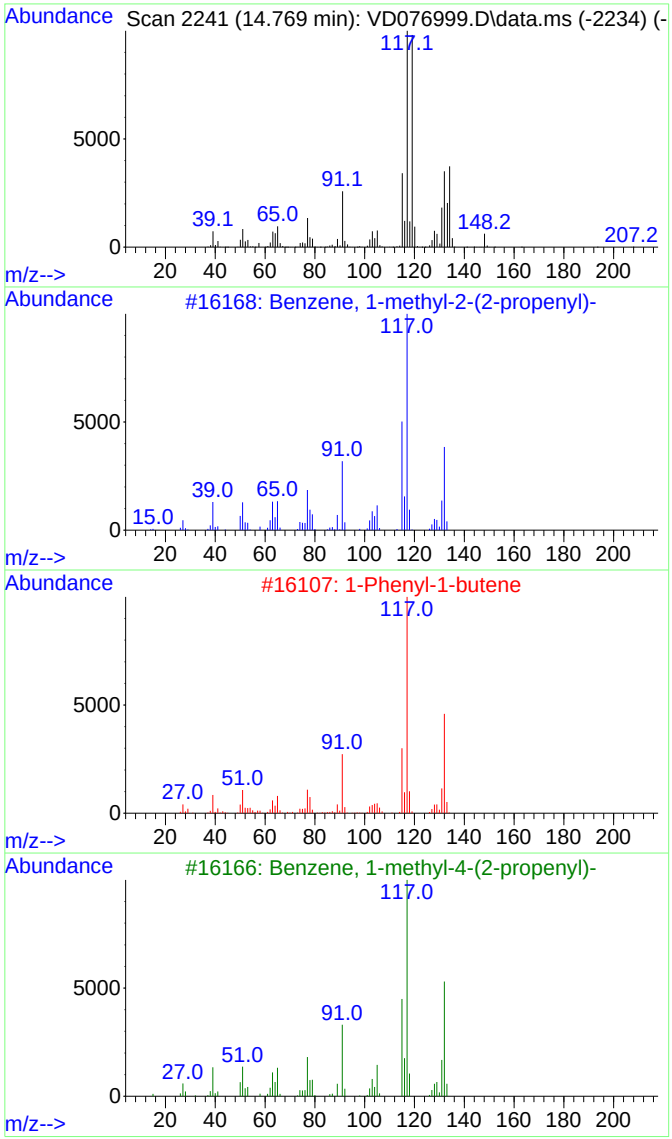
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

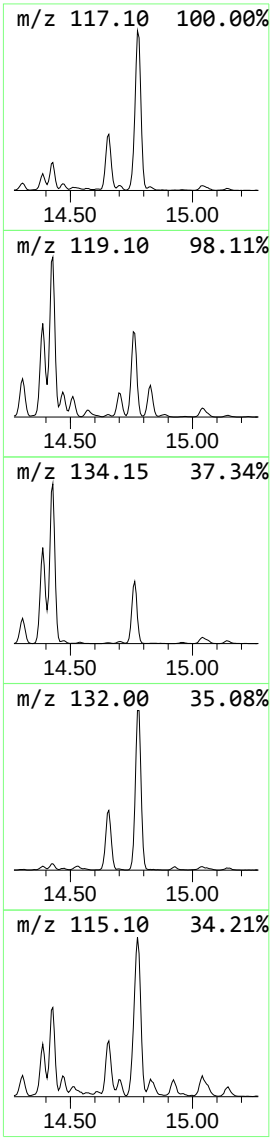
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-methyl-2-(2-prop... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.769	486.37 ug/l	11541200	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	89
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	80
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

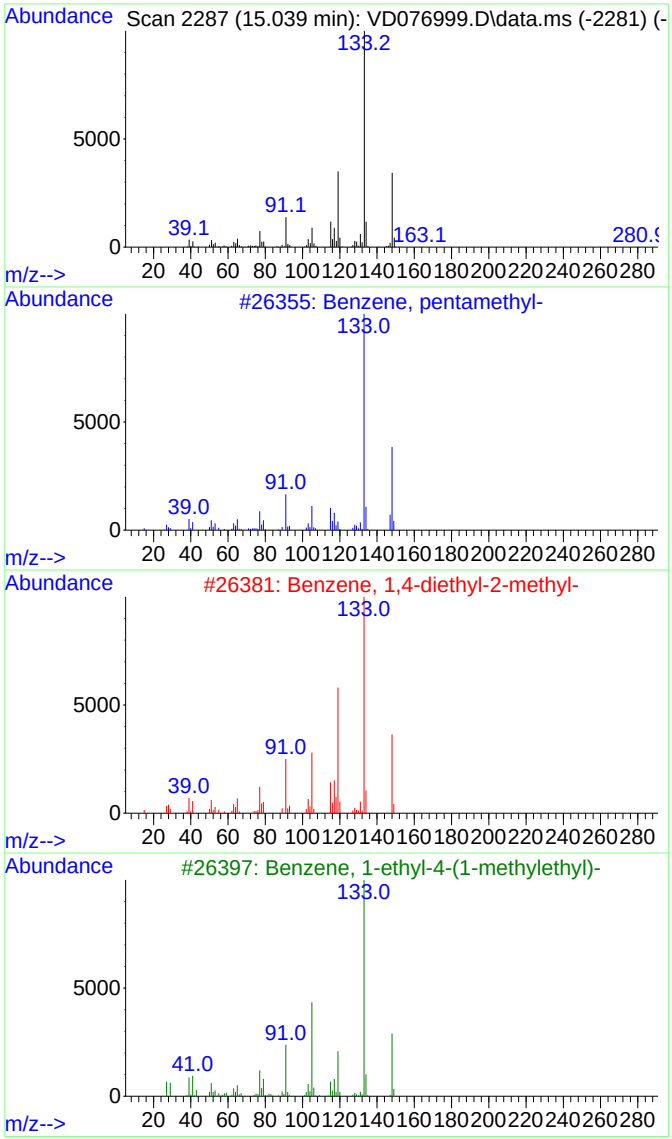
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

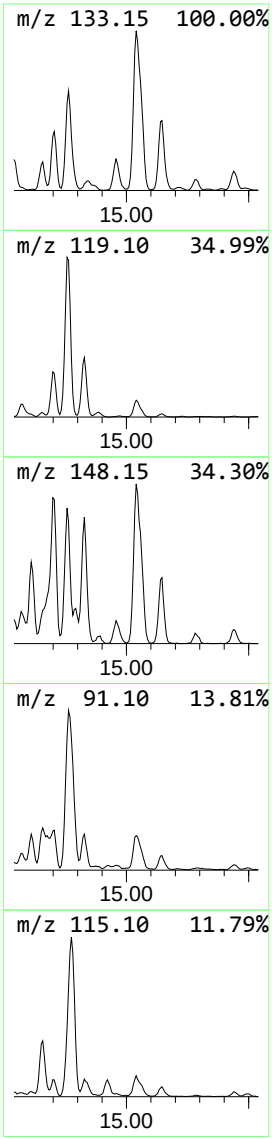
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, pentamethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.040	117.52 ug/l	2788660	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	90
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076999.D
Acq On : 14 Aug 2023 14:17
Operator : JC/SY
Sample : 03971-08
Misc : 5.01G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.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
Benzene, 1-ethy...	13.975	86.8	ug/l	2058410	4	13.516	1186470	50.0
o-Cymene	14.004	110.9	ug/l	2631440	4	13.516	1186470	50.0
Benzene, 1-ethy...	14.063	242.4	ug/l	5751480	4	13.516	1186470	50.0
Benzene, 2-ethy...	14.304	95.2	ug/l	2259120	4	13.516	1186470	50.0
Benzene, 1,2,3,...	14.387	262.5	ug/l	6228530	4	13.516	1186470	50.0
Benzene, 1,2,3,...	14.428	406.0	ug/l	9634450	4	13.516	1186470	50.0
Benzene, 1-ethe...	14.657	107.3	ug/l	2545520	4	13.516	1186470	50.0
Benzene, 1-meth...	14.769	486.4	ug/l	11541200	4	13.516	1186470	50.0
Benzene, pentam...	15.040	117.5	ug/l	2788660	4	13.516	1186470	50.0