LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

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: VD076998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.734	13	25	35	rBV	90982	183312	8.87%	0.950%
2	4.799	536	546	558	rVB2	24946	80956	3.92%	0.420%
3	5.840	713	723	734	rBV3	10495	30516	1.48%	0.158%
4	7.069	923	932	944	rBV	35015	105715	5.12%	0.548%
5	7.805	1047	1057	1063	rBV2	123331	310552	15.03%	1.610%
6	7.875	1063	1069	1079	rVB	246257	549497	26.60%	2.849%
7	8.228	1117	1129	1141	rVB2	110137	278138	13.46%	1.442%
8	8.775	1213	1222	1237	rBV	415413	841794	40.75%	4.365%
9	10.269	1468	1476	1484	rBV	550451	965822	46.76%	5.008%
10	11.581	1691	1699	1711	rVB	624881	1054165	51.03%	5.466%
11	12.575	1860	1868	1876	rBV	369449	603985	29.24%	3.132%
12	13.516	2021	2028	2039	rBV	595344	966684	46.80%	5.012%
13	13.716	2057	2062	2065	rBV2	60505	83786	4.06%	0.434%
14	13.757	2065	2069	2079	rVB3	146452	292684	14.17%	1.518%
15	13.845	2079	2084	2089	rBV3	18319	27069	1.31%	0.140%
16	13.910	2089	2095	2100	rBV	58061	95681	4.63%	0.496%
17	13.975	2100	2106	2108	rBV	167903	252589	12.23%	1.310%
18	14.004	2108	2111	2116	rVV	233441	321292	15.55%	1.666%
19	14.063	2116	2121	2127	rVB	554178	828157	40.09%	4.294%
20	14.169	2129	2139	2144	rBV2	197673	347629	16.83%	1.802%
21	14.245	2149	2152	2156	rVB3	41308	59961	2.90%	0.311%
22	14.304	2156	2162	2167	rVB	210424	309907	15.00%	1.607%
23	14.387	2167	2176	2179	rBV	639175	1050107	50.84%	5.445%
24	14.422	2179	2182	2187	rVV	997632	1518298	73.50%	7.872%
25	14.469	2187	2190	2194	rVV	316406	446242	21.60%	2.314%
26	14.510	2194	2197	2204	rVV2	192707	298877	14.47%	1.550%
27	14.569	2204	2207	2210	rVV2	46729	60986	2.95%	0.316%
28	14.610	2210	2214	2217	rVV	175479	233953	11.33%	1.213%
29	14.657	2217	2222	2226	rVV2	439854	769985	37.28%	3.992%
30	14.698	2226	2229	2234	rVB	283443	427449	20.69%	2.216%
31	14.763	2234	2240	2247	rBV2	895505	2065682	100.00%	10.711%
32	14.828	2247	2251	2257	rVB	289481	433649	20.99%	2.248%
33	14.922	2264	2267	2270	rBV	31240	41757	2.02%	0.217%
34	14.957	2270	2273	2280	rVB	37584	51439	2.49%	0.267%
35	15.039	2281	2287	2299	rVB	348040	784203	37.96%	4.066%
36	15.145	2299	2305	2314	rBV2	149253	274986	13.31%	1.426%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
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Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

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	15.222	2314	2318	2324	rVB3	11489	20974	1.02%	0.109%
38	15.334	2330	2337	2344	rVB	507599	907452	43.93%	4.705%
39	15.439	2347	2355	2360	rVV3	56897	100001	4.84%	0.519%
40	15.492	2360	2364	2368	rVV3	22167	35974	1.74%	0.187%
41	15.534	2368	2371	2378	rVB5	33948	47787	2.31%	0.248%
42	15.628	2379	2387	2394	rBV	52832	119007	5.76%	0.617%
43	15.757	2404	2409	2412	rBV4	10826	22084	1.07%	0.115%
44	15.798	2412	2416	2423	rVB3	18999	44640	2.16%	0.231%
45	15.922	2430	2437	2441	rBV	36949	69660	3.37%	0.361%
46	15.998	2444	2450	2457	rVV9	23893	61610	2.98%	0.319%
47	16.069	2458	2462	2466	rVV5	18374	29243	1.42%	0.152%
48	16.116	2466	2470	2478	rVV6	23289	55610	2.69%	0.288%
49	16.192	2478	2483	2489	rVV5	25581	51480	2.49%	0.267%
50	16.263	2489	2495	2503	rVV3	30854	59015	2.86%	0.306%
51	16.404	2510	2519	2525	rBV	77210	164937	7.98%	0.855%
52	16.469	2525	2530	2536	rVV	173241	306412	14.83%	1.589%
53	16.598	2543	2552	2557	rBV6	45840	142947	6.92%	0.741%

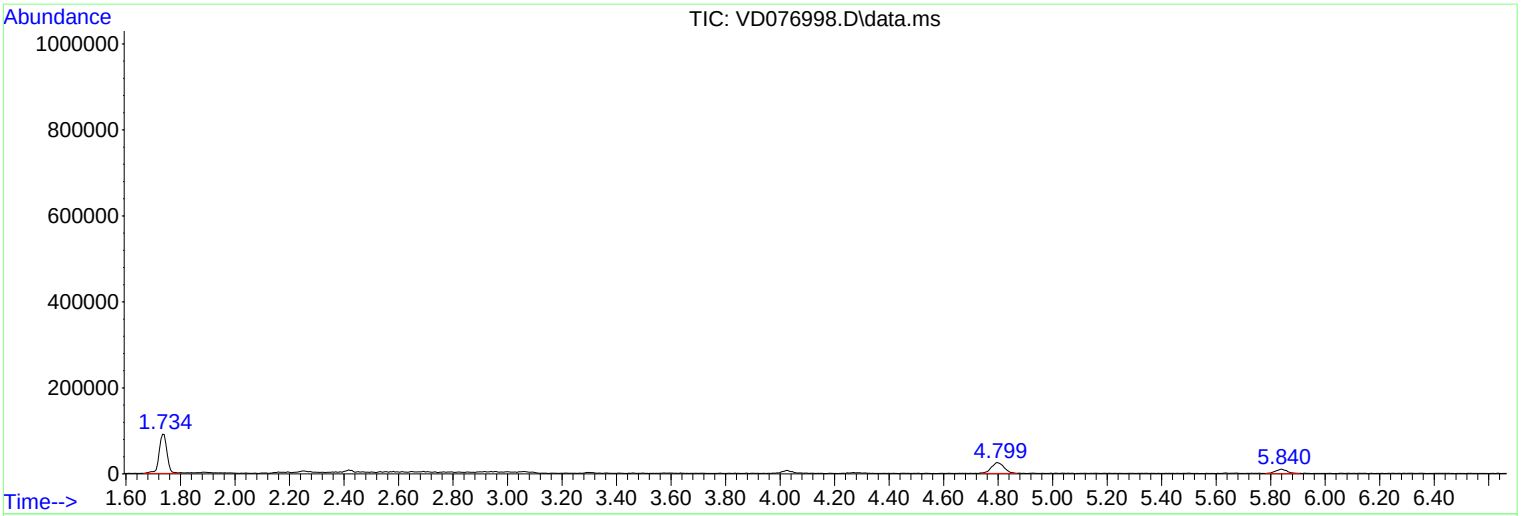
Sum of corrected areas: 19286337

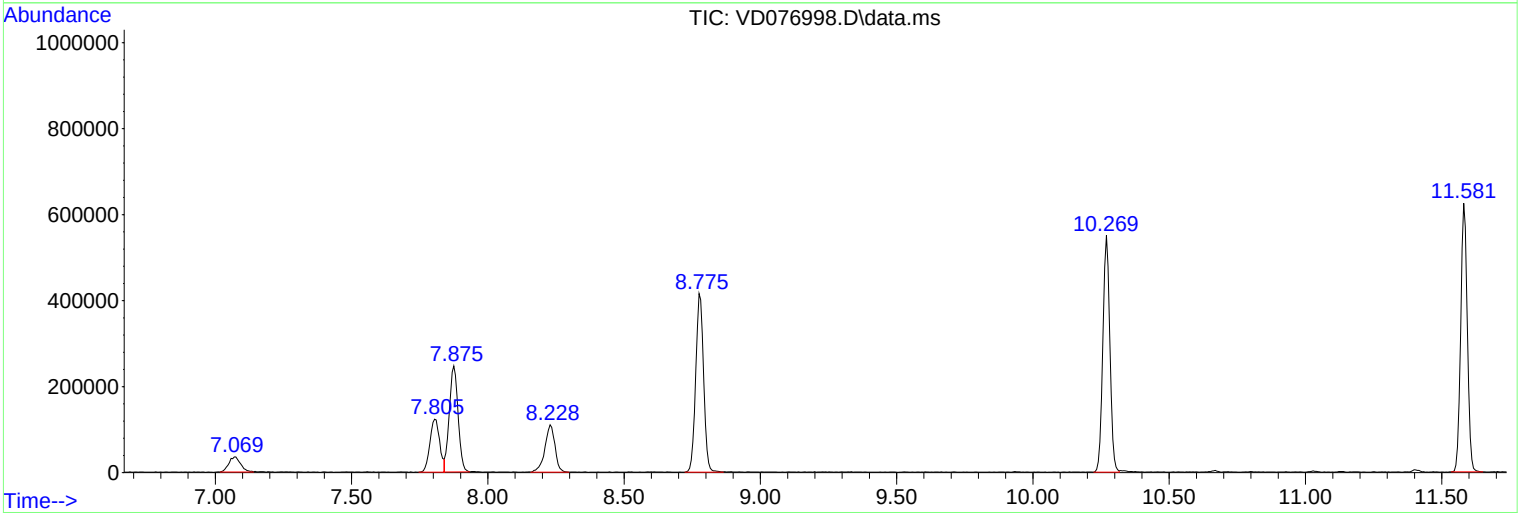
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

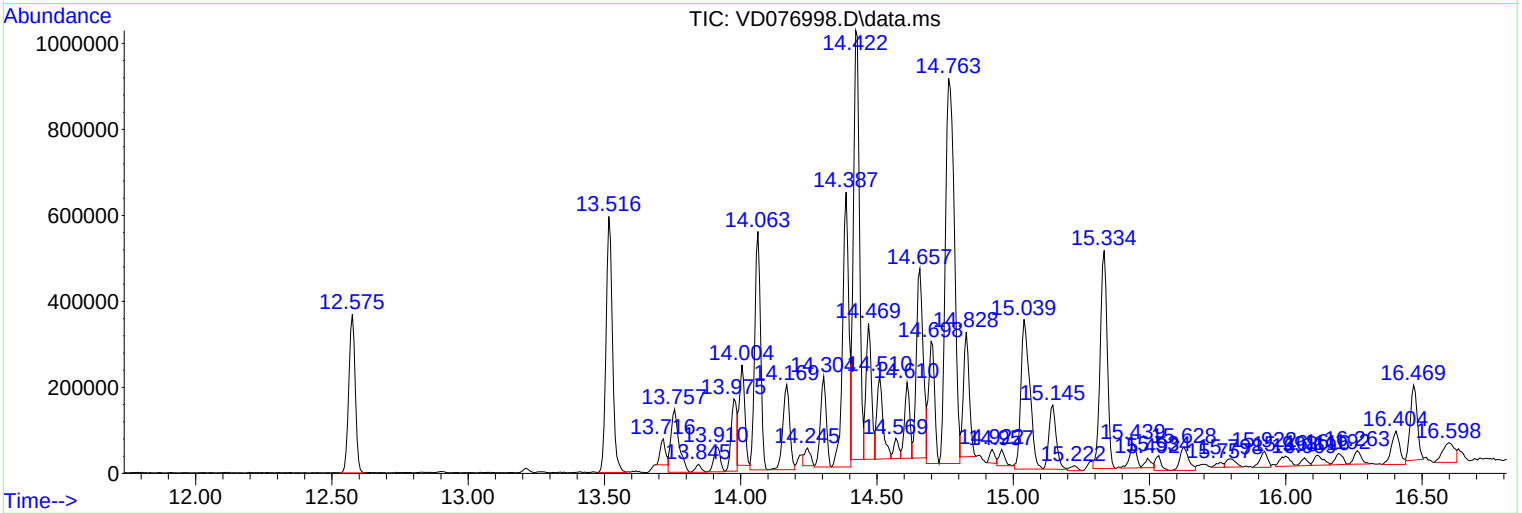
Instrument :
MSVOA_D
ClientSampleId :
DUP-05

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 : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

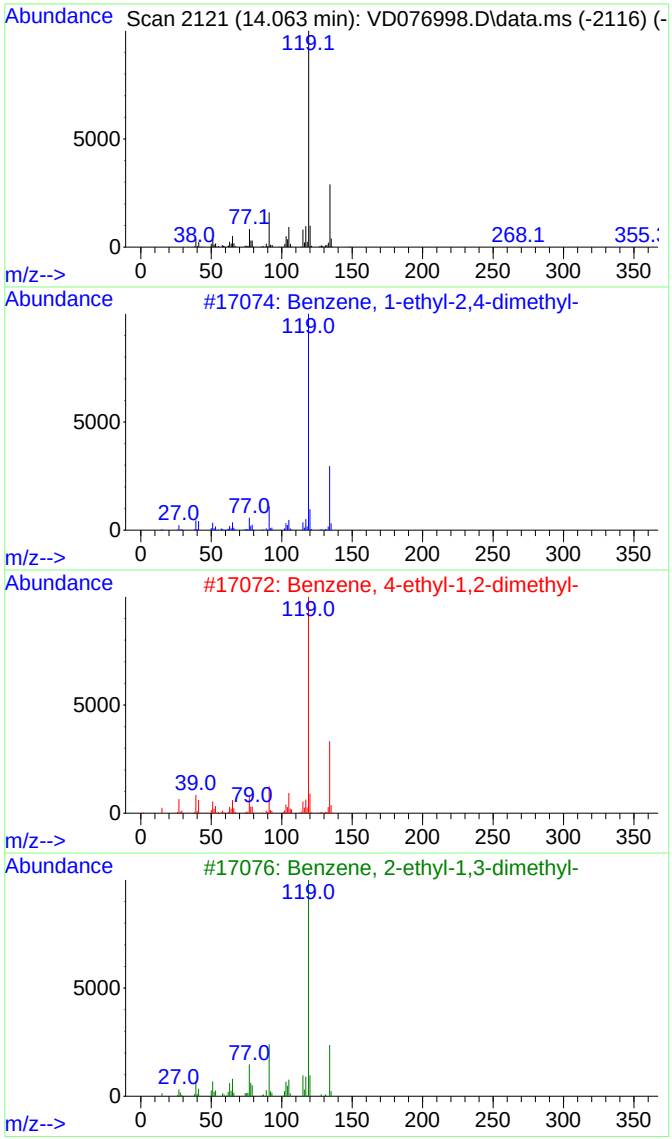
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

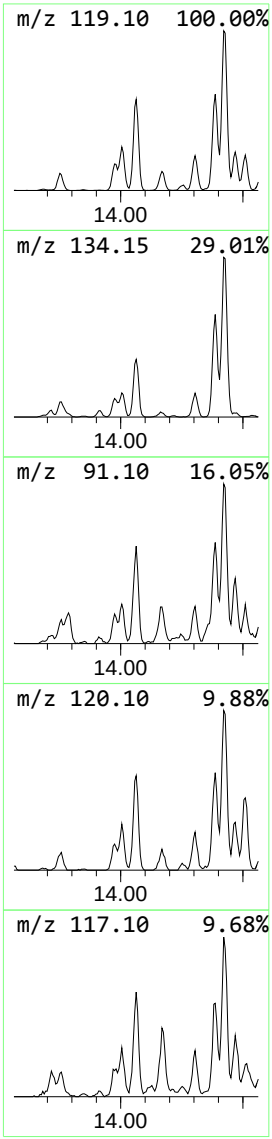
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.063	42.83 ug/l	828157	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	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

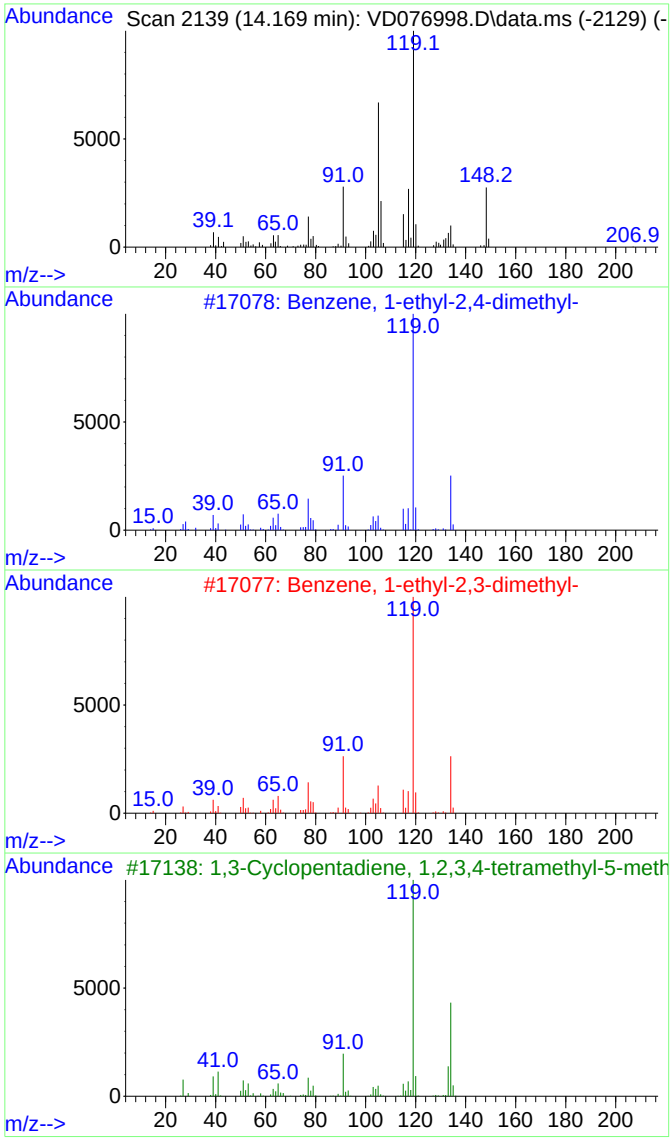
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

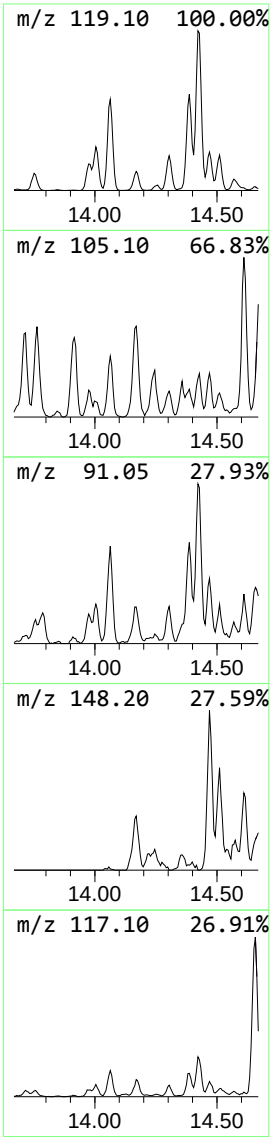
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	17.98 ug/l	347629	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	60
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60
4	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	58
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

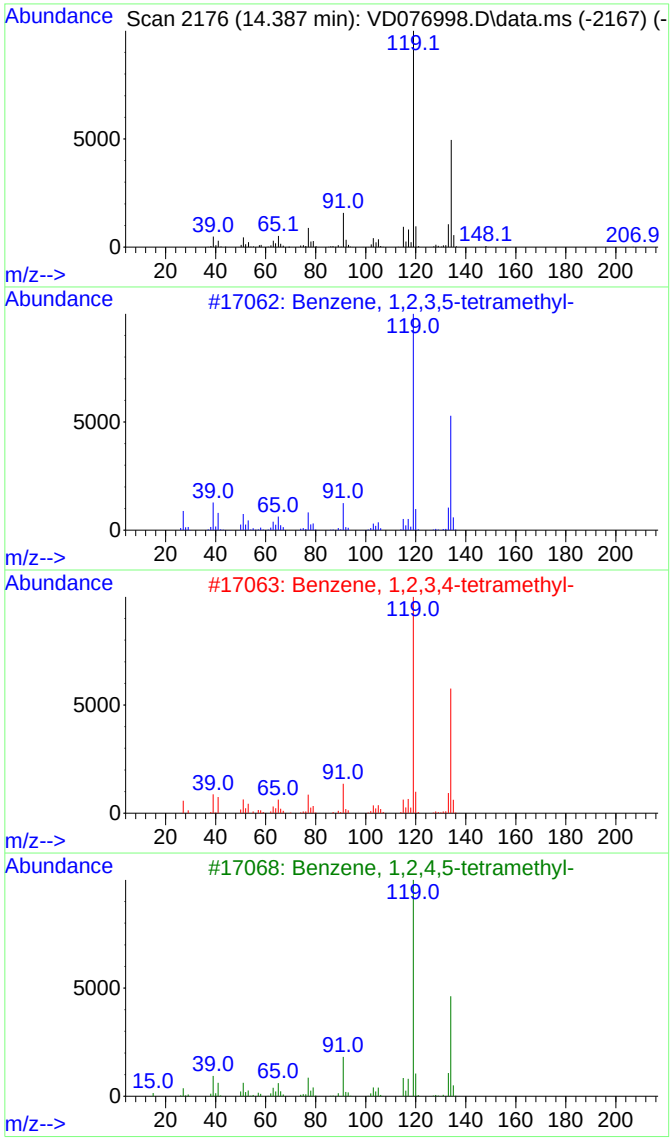
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

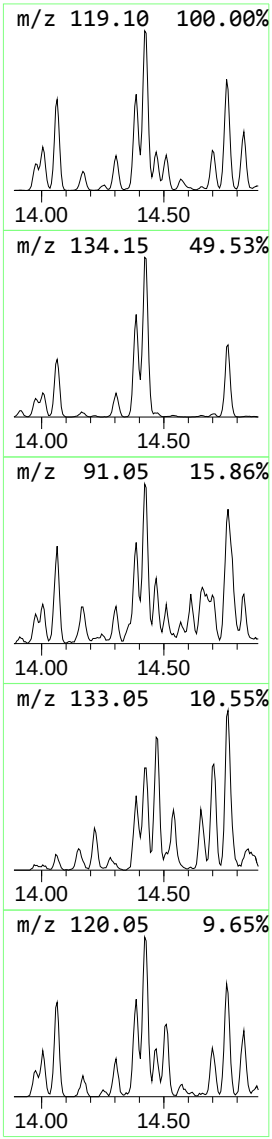
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.387	54.31 ug/l	1050110	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

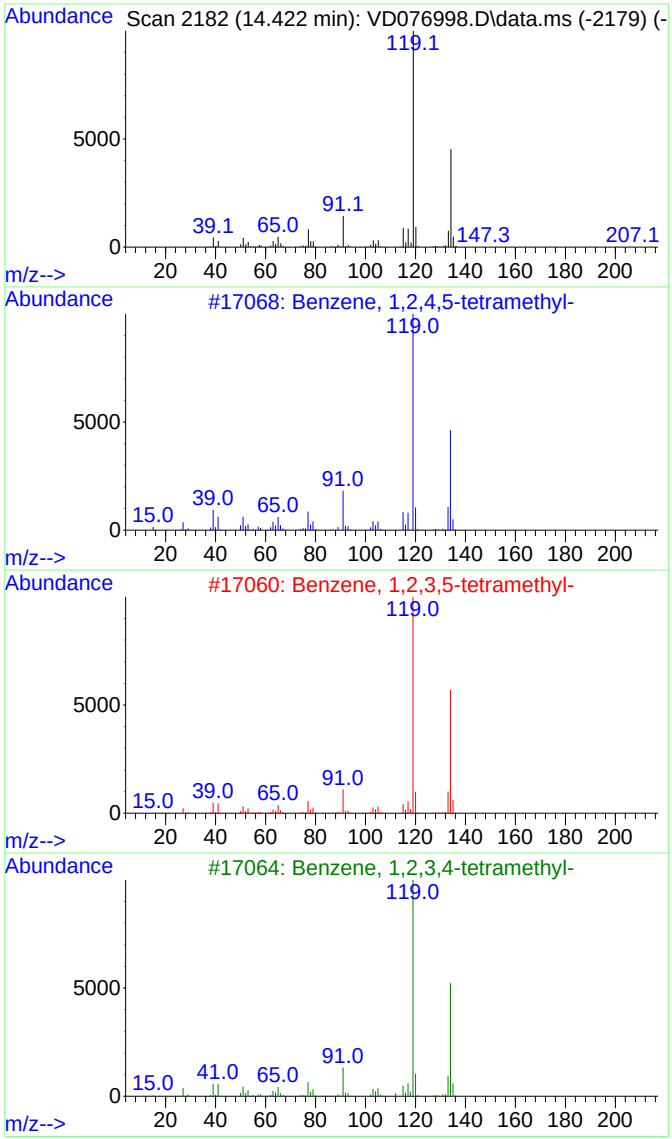
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

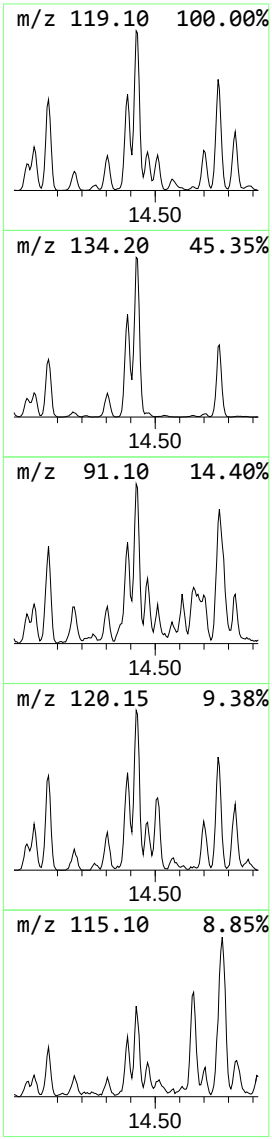
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.422	78.53 ug/l	1518300	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
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Operator : JC/SY
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Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

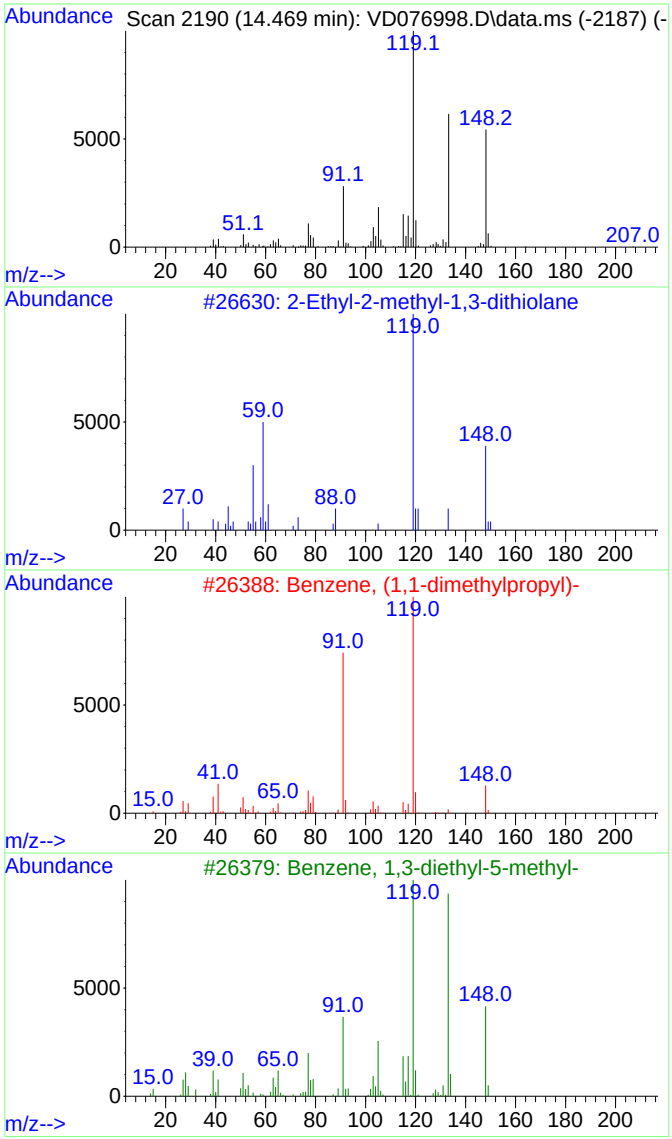
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

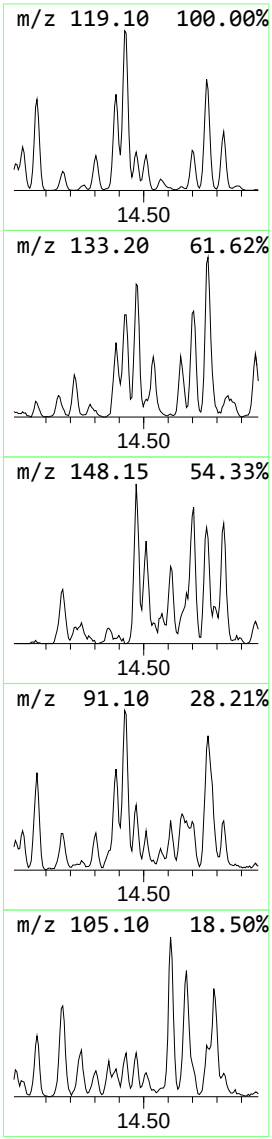
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Ethyl-2-methyl-1,3-dithio... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.469	23.08 ug/l	446242	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	58
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	52
4	o-Cymene	134	C10H14	000527-84-4	46
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43





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Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

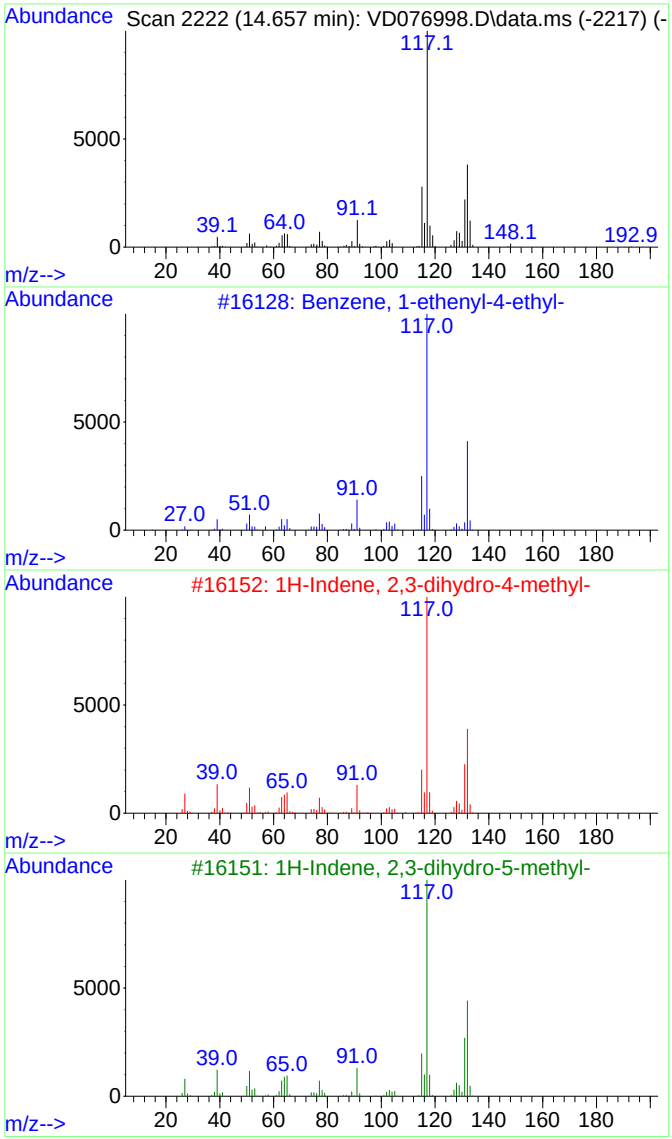
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

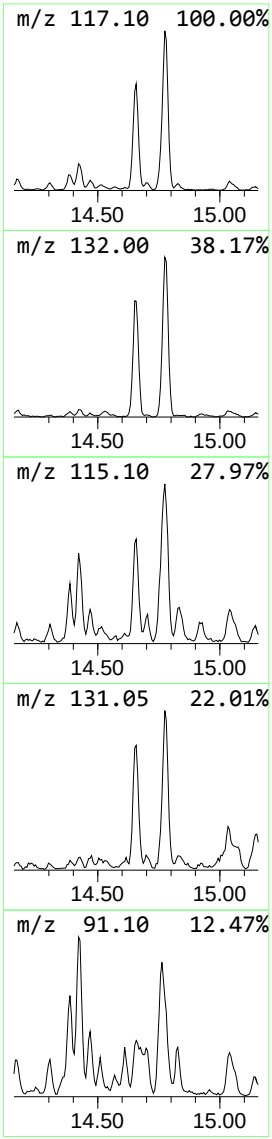
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.657	39.83 ug/l	769985	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	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

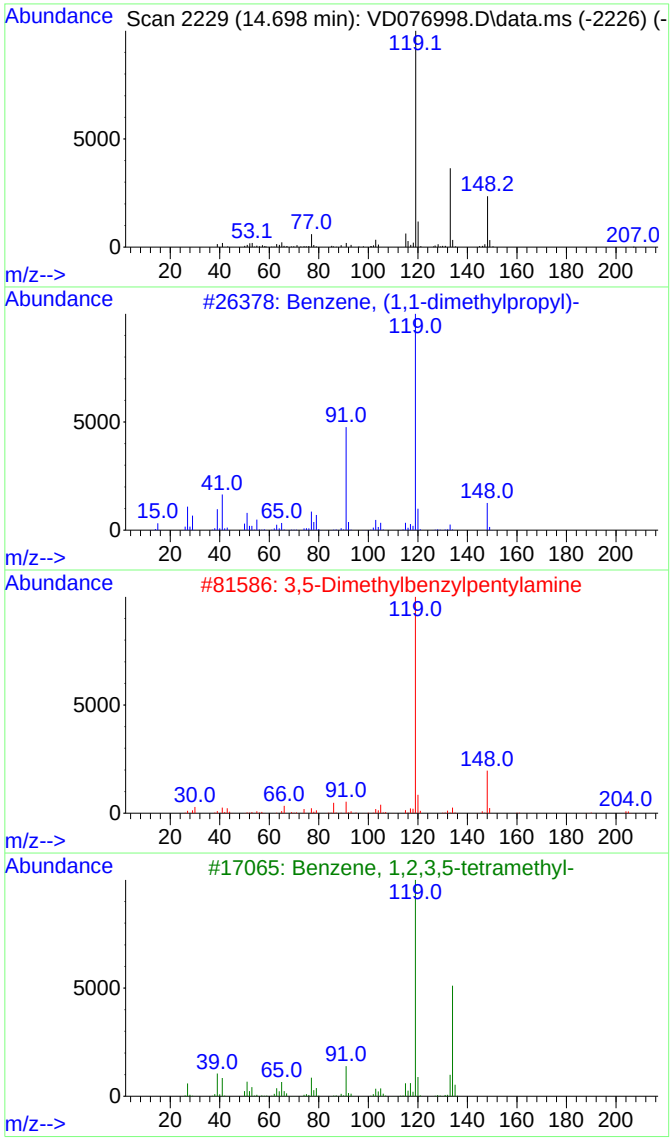
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

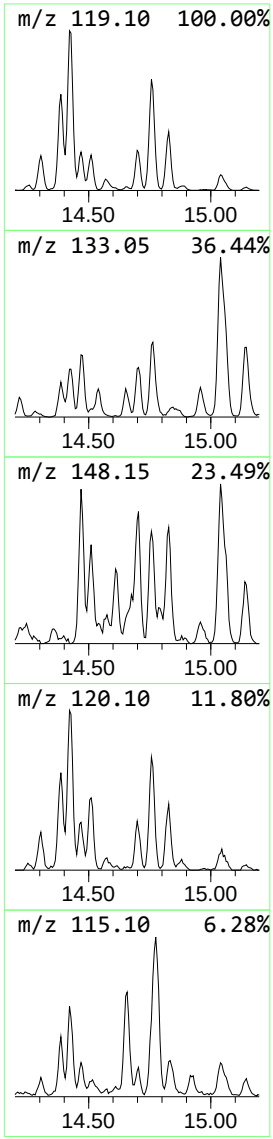
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, (1,1-dimethylpropyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.698	22.11 ug/l	427449	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
2	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	64
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	53
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	52
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

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

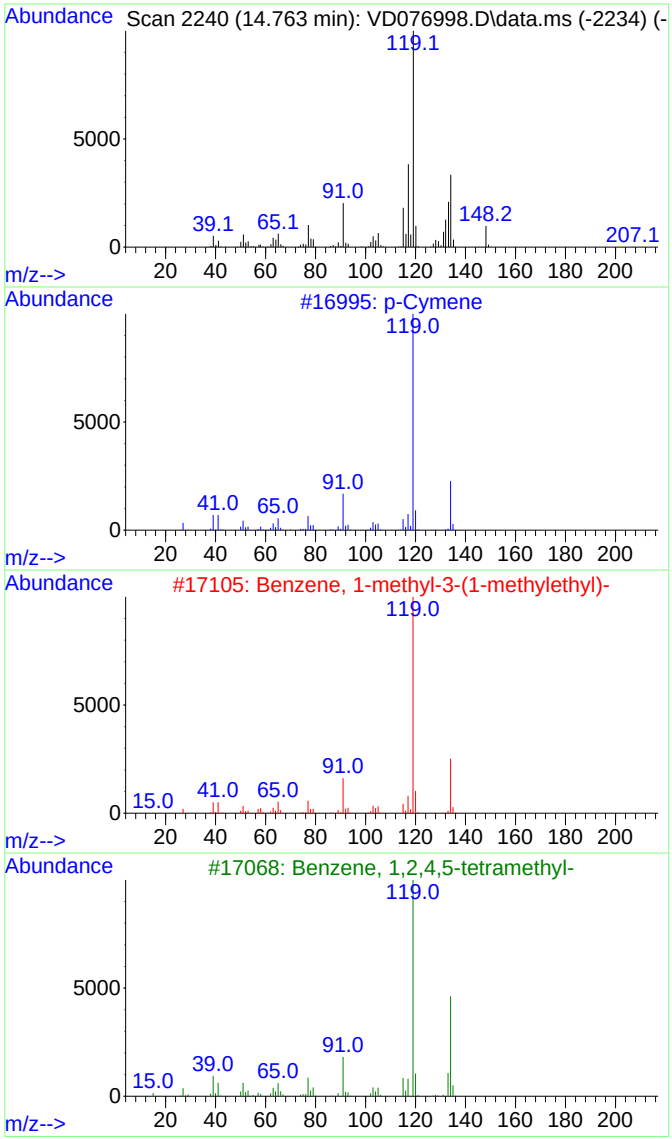
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

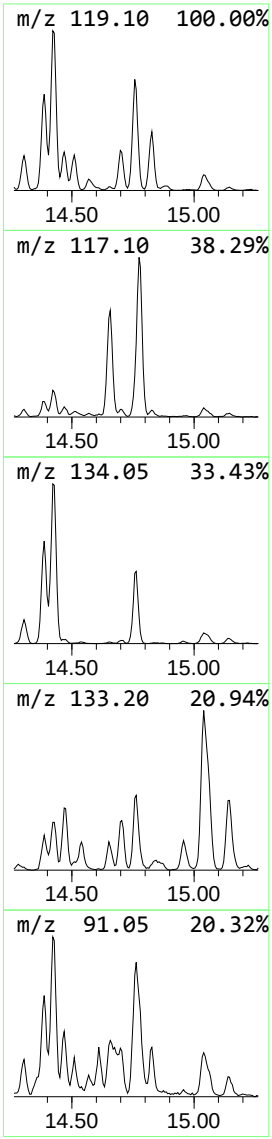
****

Peak Number 8 p-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.763	106.84 ug/l	2065680	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	60
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

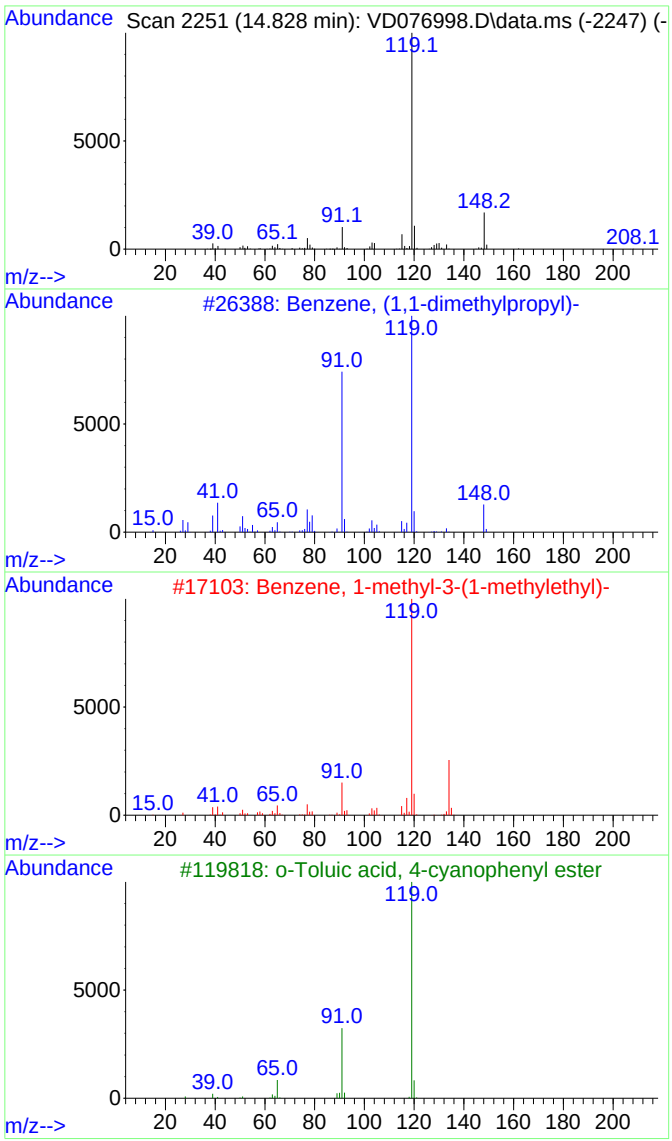
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

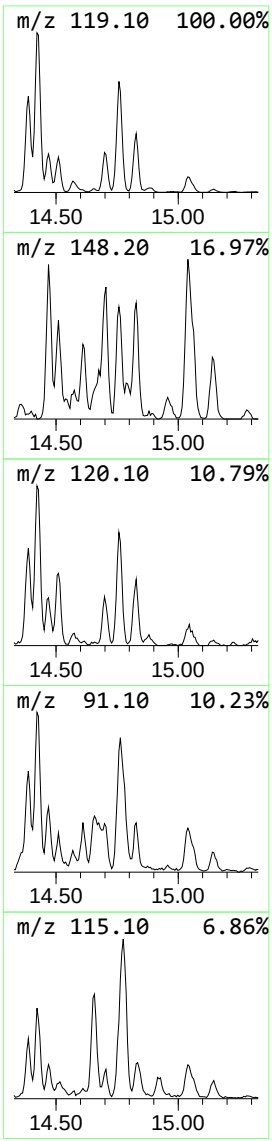
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-methyl-3-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.828	22.43 ug/l	433649	1,4-Dichlorobenzene-d4	13.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
3	o-Toluic acid, 4-cyanophenyl ester	237	C15H11NO2	1010307-45-8	64
4	m-Toluic acid, 4-cyanophenyl ester	237	C15H11NO2	1000307-56-9	64
5	1,2-Benzenediol, o-(2-chlorobenz...	366	C21H15ClO4	1000325-98-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

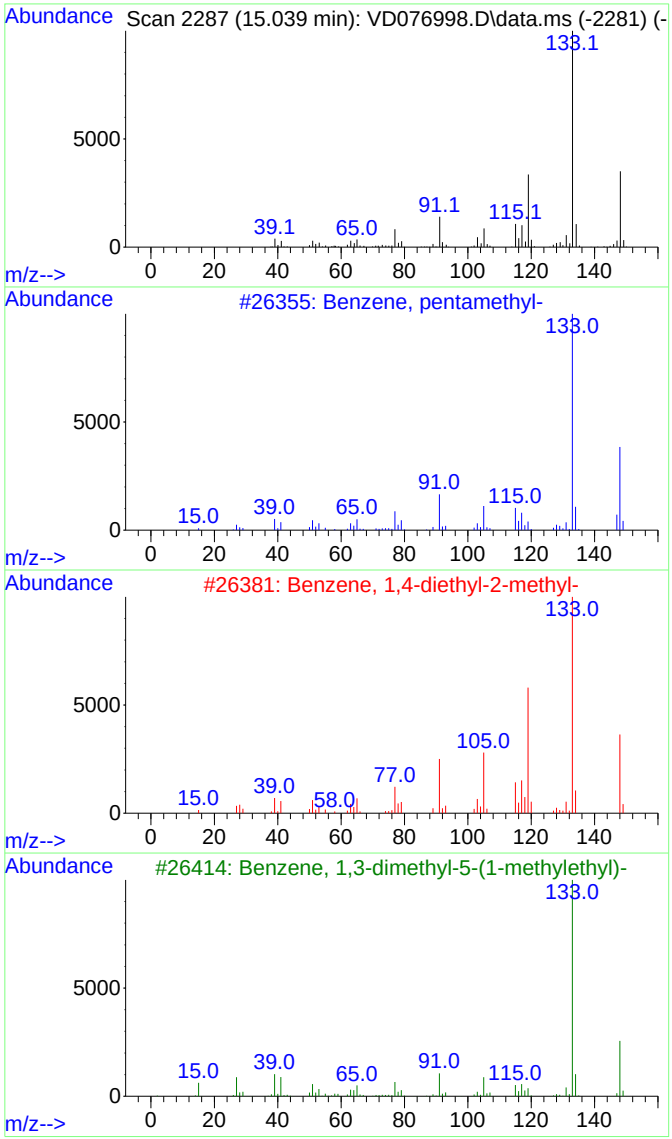
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260

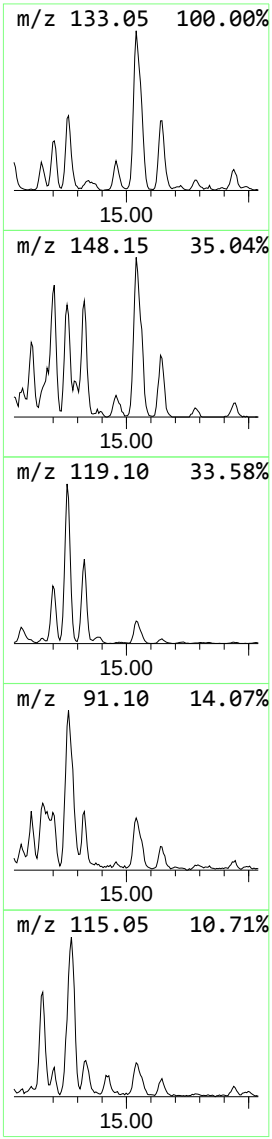
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.039	40.56 ug/l	784203	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, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	87
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
Data File : VD076998.D
Acq On : 14 Aug 2023 13:49
Operator : JC/SY
Sample : 03971-07
Misc : 4.95G/5.0ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

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...	14.063	42.8	ug/l	828157	4	13.516	966684	50.0
Benzene, 1-ethy...	14.169	18.0	ug/l	347629	4	13.516	966684	50.0
Benzene, 1,2,3,...	14.387	54.3	ug/l	1050110	4	13.516	966684	50.0
Benzene, 1,2,4,...	14.422	78.5	ug/l	1518300	4	13.516	966684	50.0
2-Ethyl-2-methy...	14.469	23.1	ug/l	446242	4	13.516	966684	50.0
Benzene, 1-ethe...	14.657	39.8	ug/l	769985	4	13.516	966684	50.0
Benzene, (1,1-d...	14.698	22.1	ug/l	427449	4	13.516	966684	50.0
p-Cymene	14.763	106.8	ug/l	2065680	4	13.516	966684	50.0
Benzene, 1-meth...	14.828	22.4	ug/l	433649	4	13.516	966684	50.0
Benzene, pentam...	15.039	40.6	ug/l	784203	4	13.516	966684	50.0