LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

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_Y\methods\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022552.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.117	52	65	67	rBV2	12124	45136	2.83%	0.291%
2	2.172	70	74	76	rVV4	10135	19165	1.20%	0.124%
3	2.470	118	123	127	rBV2	13699	32268	2.02%	0.208%
4	3.867	344	352	362	rBV	6558	17735	1.11%	0.115%
5	4.098	380	390	402	rBV	17517	48528	3.04%	0.313%
6	4.610	464	474	486	rBV2	20177	59622	3.74%	0.385%
7	7.628	958	969	975	rBV	207267	494591	31.02%	3.194%
8	7.707	975	982	999	rVB	370555	858858	53.86%	5.546%
9	8.055	1030	1039	1051	rBV	187162	420267	26.35%	2.714%
10	8.610	1122	1130	1141	rBV	600728	1172930	73.55%	7.574%
11	10.103	1366	1375	1382	rBV	944292	1594650	100.00%	10.297%
12	10.164	1382	1385	1395	rVB	15401	27950	1.75%	0.180%
13	11.414	1581	1590	1602	rBV	779930	1250972	78.45%	8.078%
14	12.402	1745	1752	1762	rBV	538476	807974	50.67%	5.217%
15	13.036	1852	1856	1864	rVB2	12392	21451	1.35%	0.139%
16	13.340	1900	1906	1916	rBV	589216	906480	56.85%	5.854%
17	13.511	1927	1934	1935	rBV2	30879	42044	2.64%	0.271%
18	13.542	1935	1939	1942	rVV	132115	204127	12.80%	1.318%
19	13.584	1942	1946	1955	rVV4	229742	439706	27.57%	2.839%
20	13.670	1955	1960	1966	rVV5	19986	30341	1.90%	0.196%
21	13.737	1966	1971	1976	rVV	85932	129984	8.15%	0.839%
22	13.804	1976	1982	1984	rVV	190427	302791	18.99%	1.955%
23	13.828	1984	1986	1991	rVV	219384	299694	18.79%	1.935%
24	13.889	1991	1996	2002	rVB	497900	726707	45.57%	4.693%
25	13.993	2007	2013	2018	rVV2	157378	258442	16.21%	1.669%
26	14.072	2018	2026	2030	rVV4	33386	86831	5.45%	0.561%
27	14.127	2030	2035	2040	rVV	122871	192943	12.10%	1.246%
28	14.212	2040	2049	2052	rVV	378209	659402	41.35%	4.258%
29	14.249	2052	2055	2059	rVV	590470	825832	51.79%	5.333%
30	14.298	2059	2063	2066	rVV	199134	306975	19.25%	1.982%
31	14.334	2066	2069	2075	rVV	147296	219135	13.74%	1.415%
32	14.395	2075	2079	2082	rVV	44848	73634	4.62%	0.475%
33	14.438	2082	2086	2089	rVV	94780	141238	8.86%	0.912%
34	14.480	2089	2093	2097	rVV2	140540	256939	16.11%	1.659%
35	14.523	2097	2100	2105	rVV	173185	253318	15.89%	1.636%
36	14.584	2105	2110	2117	rVV2	363535	754657	47.32%	4.873%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

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_Y\methods\82Y060225S.M
Title : SW846 8260

37	14.651	2117	2121	2127	rVV	166012	247177	15.50%	1.596%
38	14.706	2127	2130	2134	rVV3	14716	23024	1.44%	0.149%
39	14.779	2134	2142	2150	rVV	31939	65619	4.11%	0.424%
40	14.858	2150	2155	2166	rVV	205574	443533	27.81%	2.864%
41	14.962	2166	2172	2180	rVV	96654	169740	10.64%	1.096%
42	15.096	2190	2194	2196	rBV2	14345	21027	1.32%	0.136%
43	15.139	2196	2201	2207	rVB	97699	165500	10.38%	1.069%
44	15.249	2214	2219	2223	rBV2	37670	62829	3.94%	0.406%
45	15.297	2223	2227	2231	rVV4	16417	25266	1.58%	0.163%
46	15.425	2242	2248	2255	rBV	38010	71413	4.48%	0.461%
47	15.590	2271	2275	2284	rVB3	17318	41285	2.59%	0.267%
48	15.706	2287	2294	2302	rVV2	33808	63234	3.97%	0.408%
49	15.785	2302	2307	2312	rVB4	10693	18497	1.16%	0.119%
50	16.175	2365	2371	2378	rVB	24591	47228	2.96%	0.305%
51	16.364	2394	2402	2409	rBV4	14571	37360	2.34%	0.241%

Sum of corrected areas: 15486049

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Operator : SY/MD
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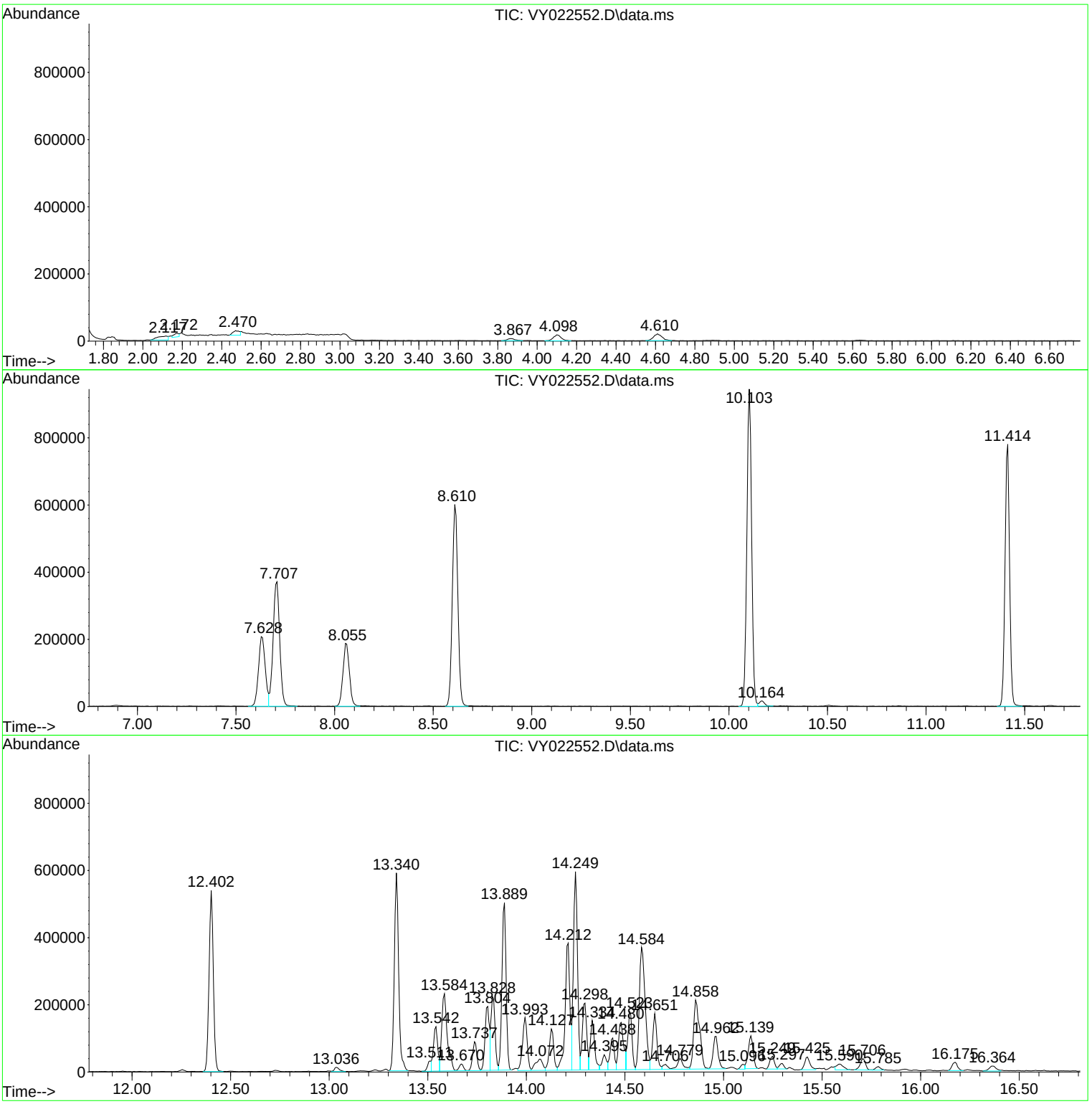
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

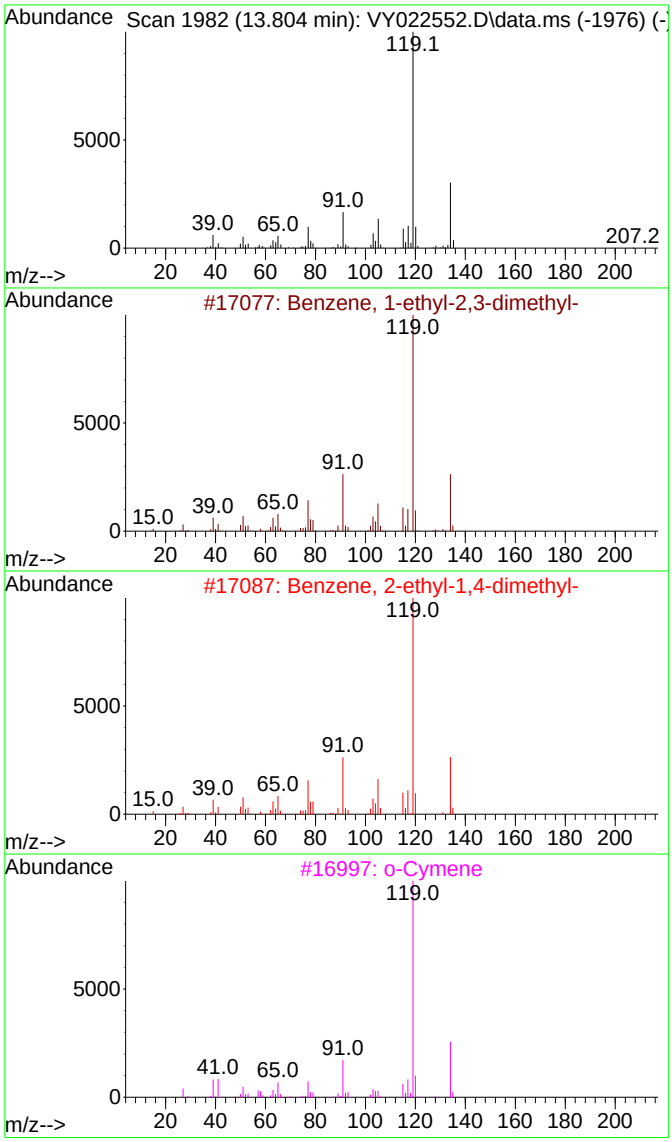
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

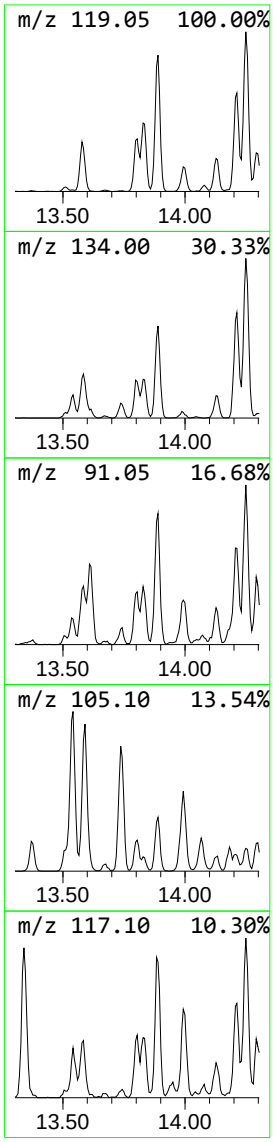
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	16.70 ug/l	302791	1,4-Dichlorobenzene-d4	13.341

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	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

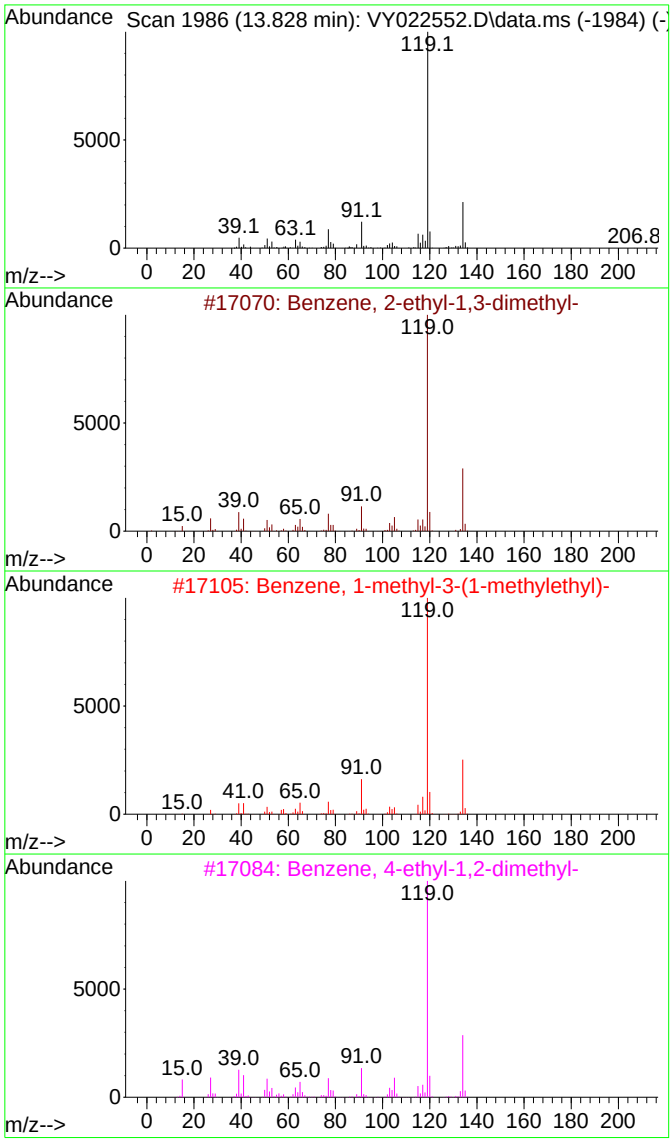
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

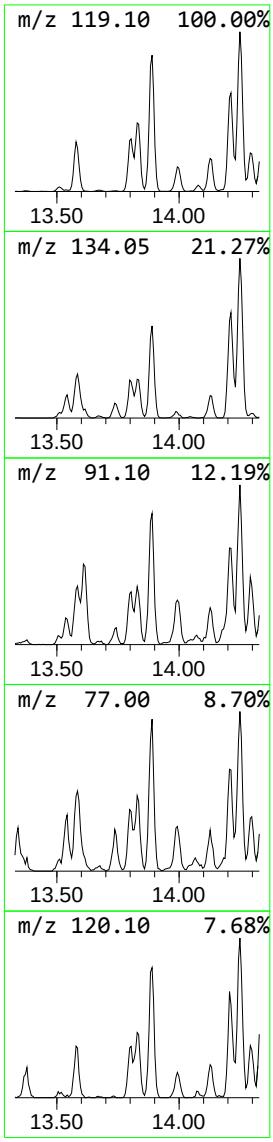
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.828	16.53 ug/l	299694	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

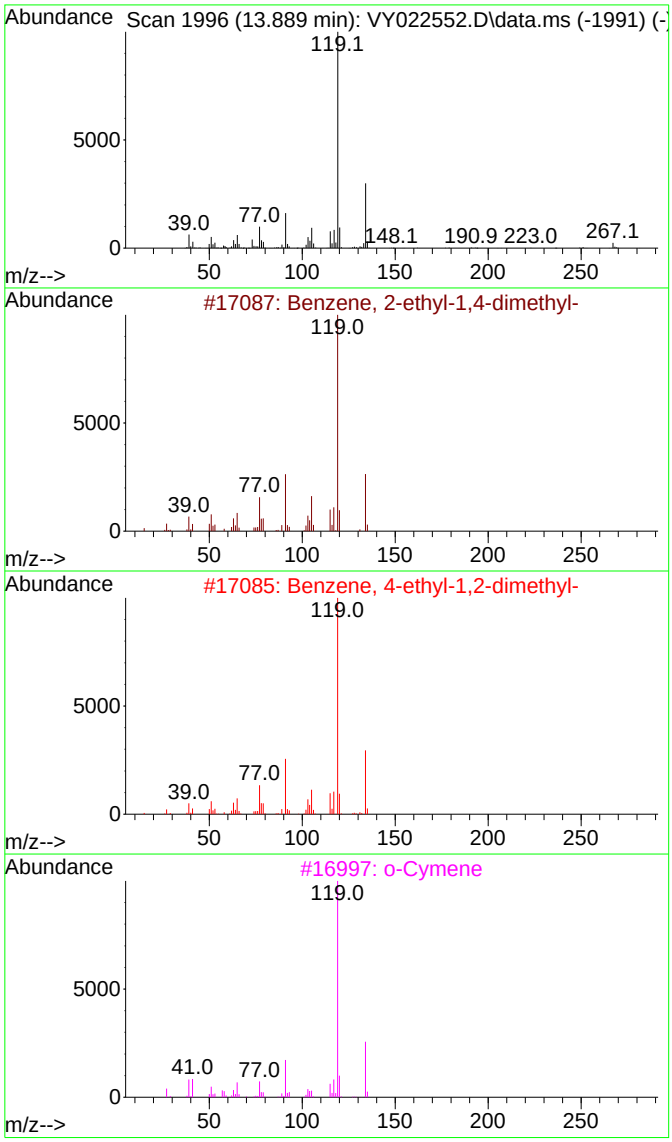
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

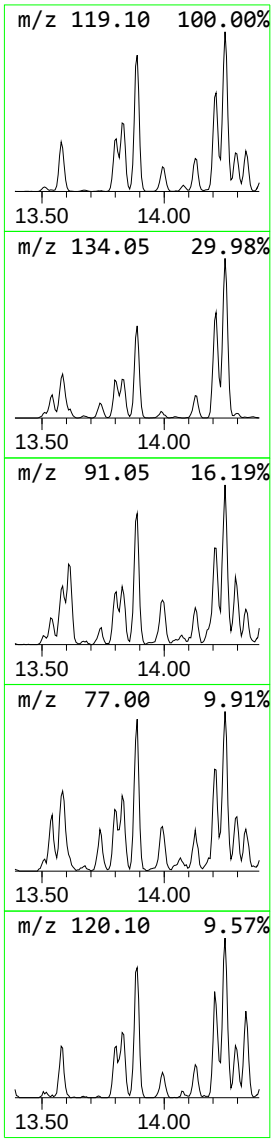
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	40.08 ug/l	726707	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

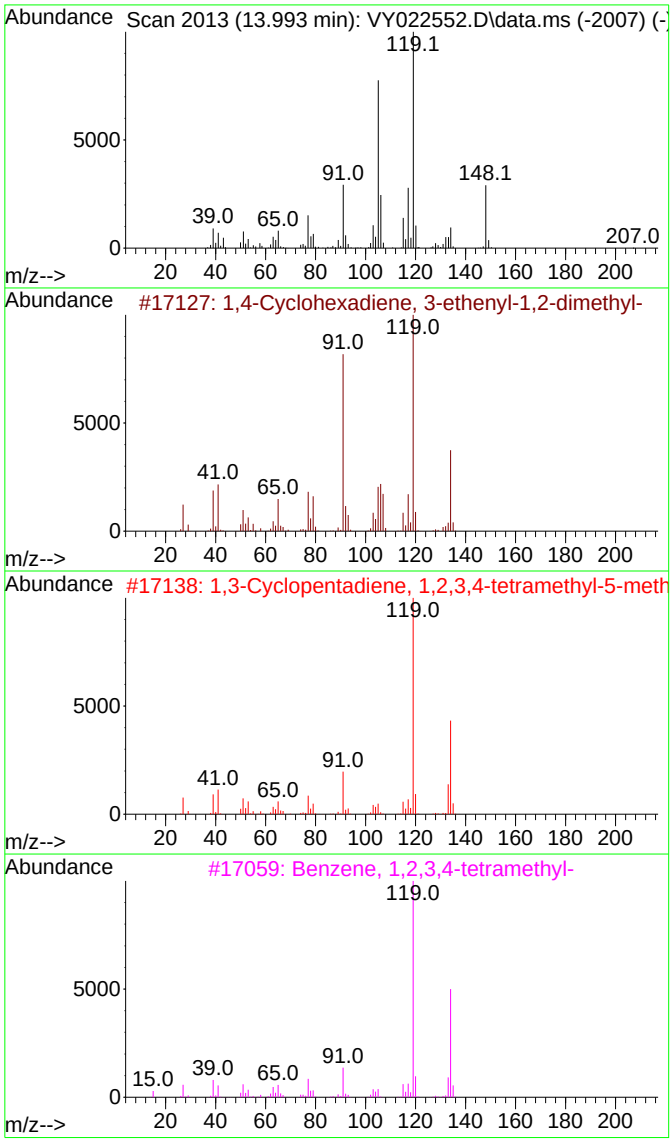
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

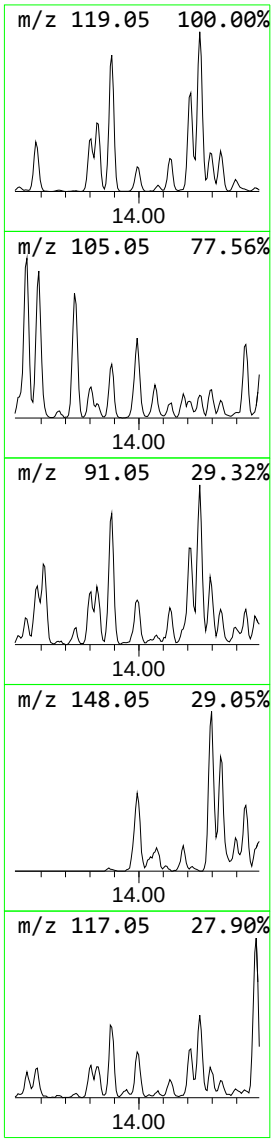
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,4-Cyclohexadiene, 3-ethen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.993	14.26 ug/l	258442	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	64
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

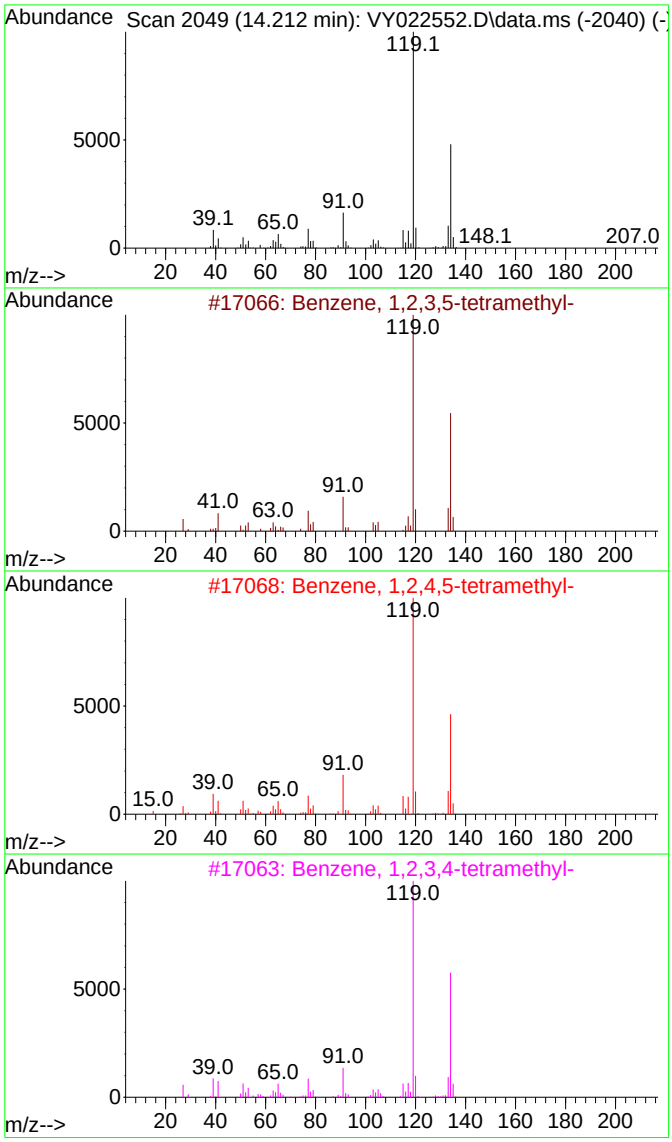
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

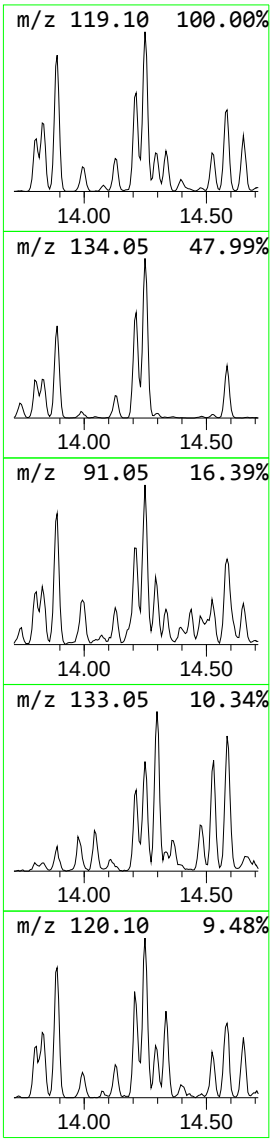
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	36.37 ug/l	659402	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





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Data File : VY022552.D
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Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

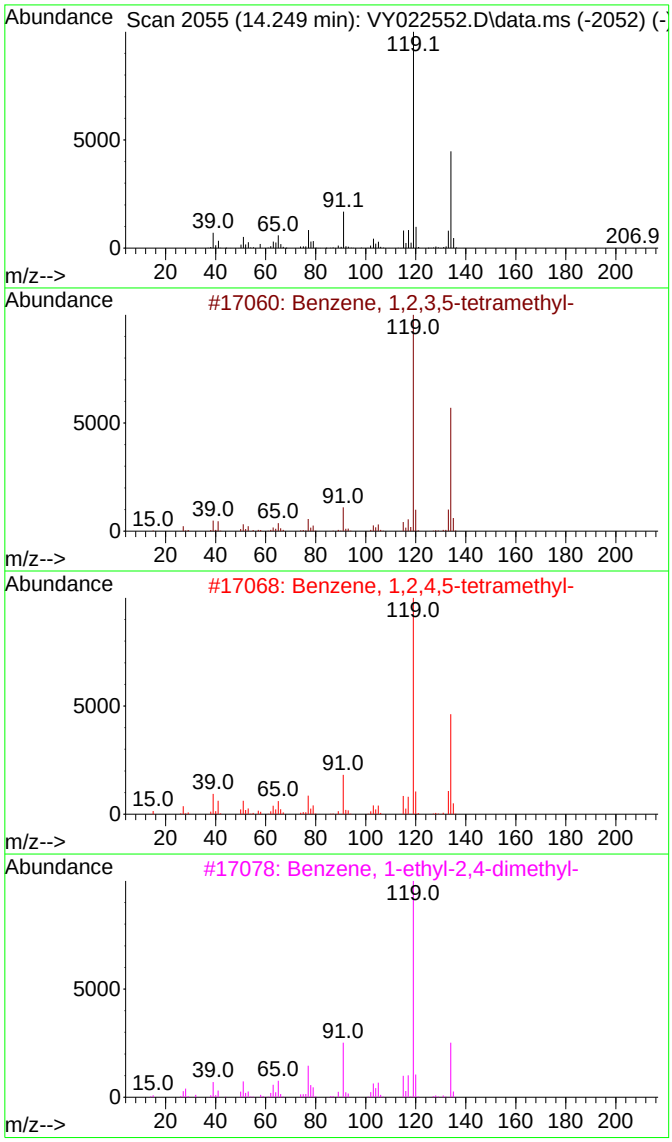
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

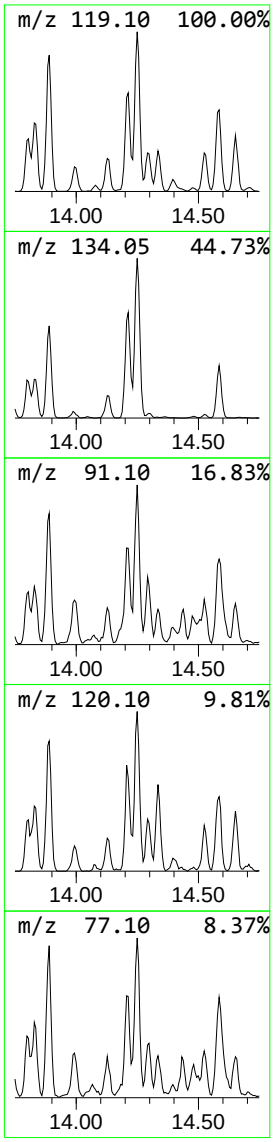
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.249	45.55 ug/l	825832	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

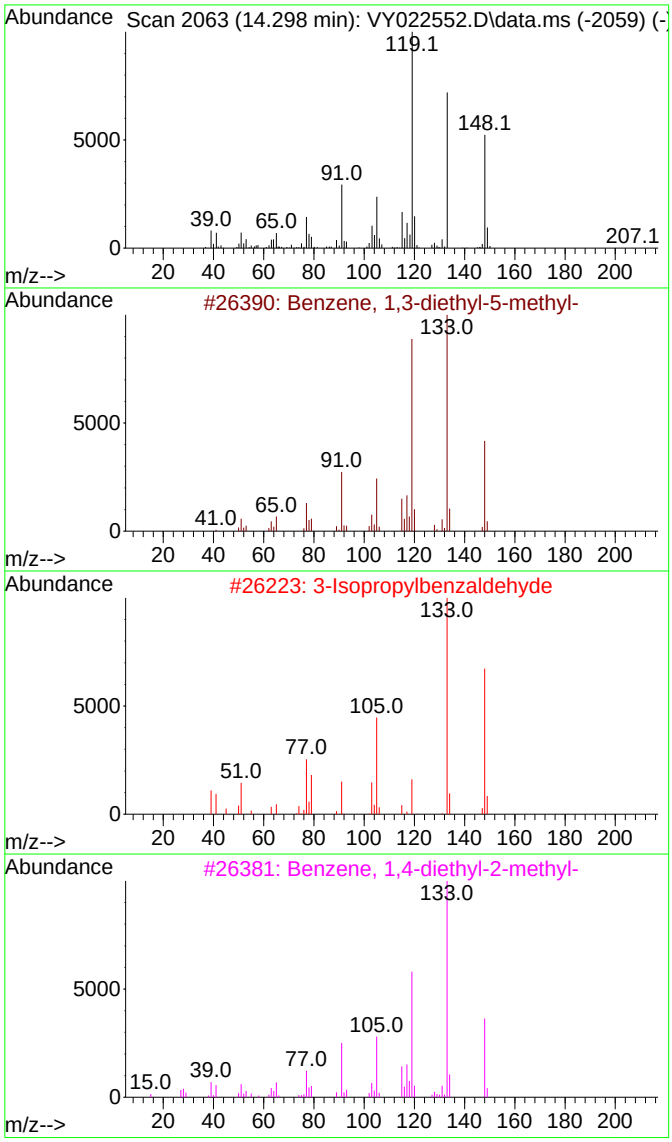
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

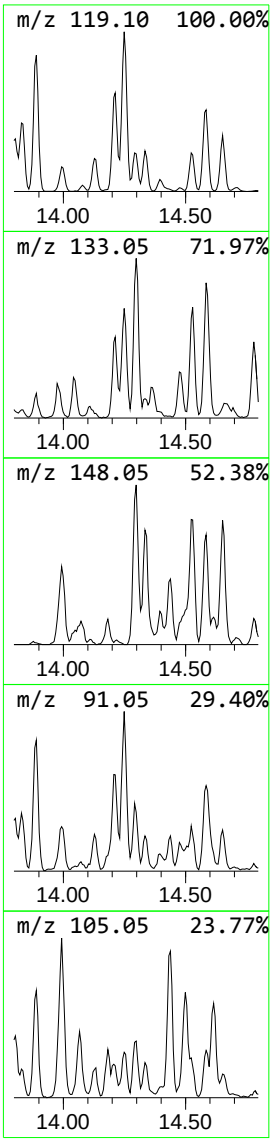
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.298	16.93 ug/l	306975	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
2	3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	46
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	43
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	43
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

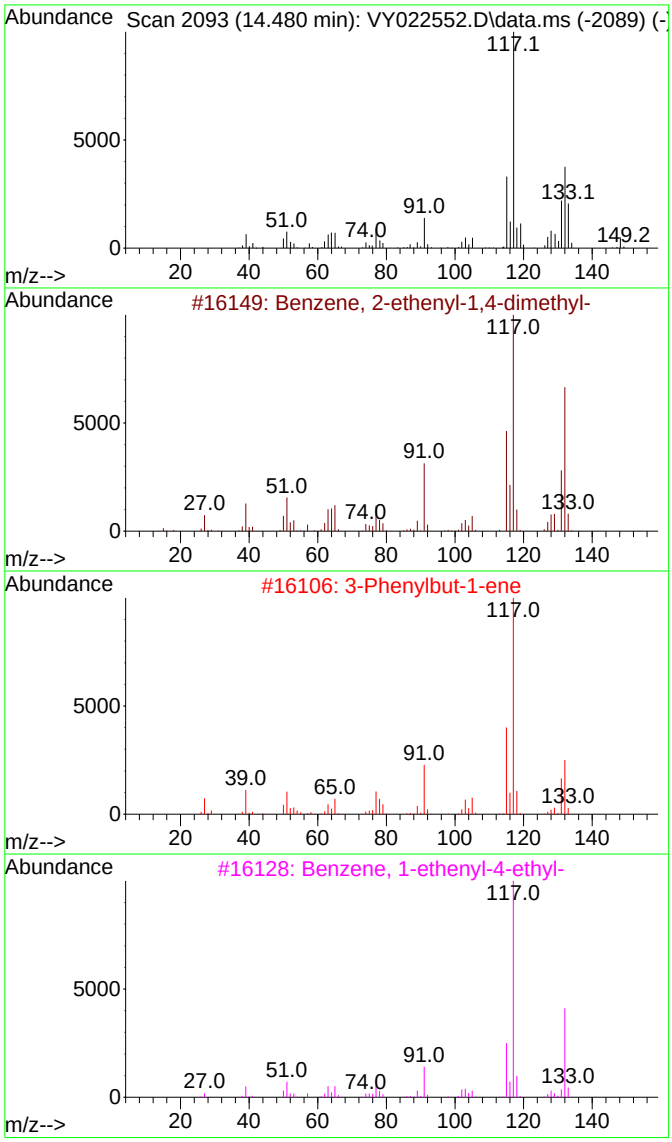
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

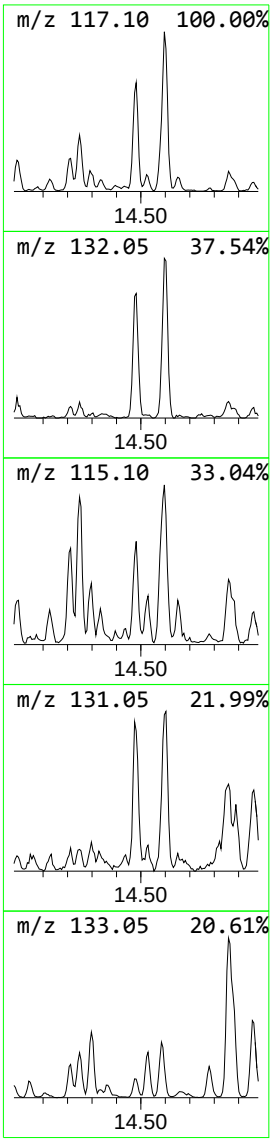
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.480	14.17 ug/l	256939	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76





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Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

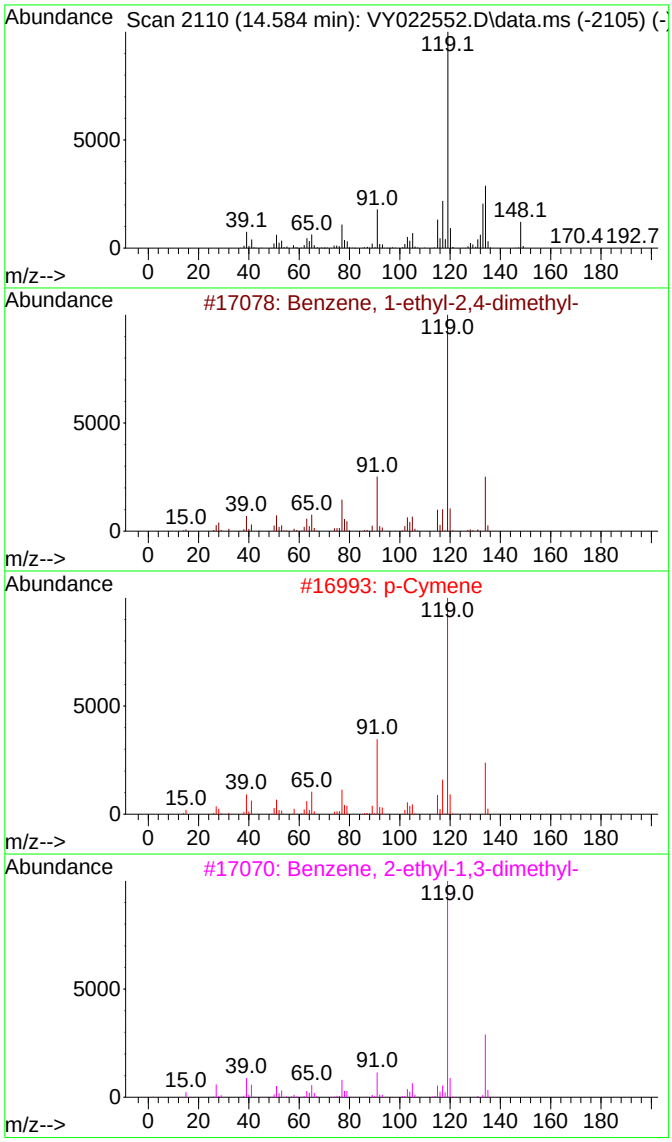
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

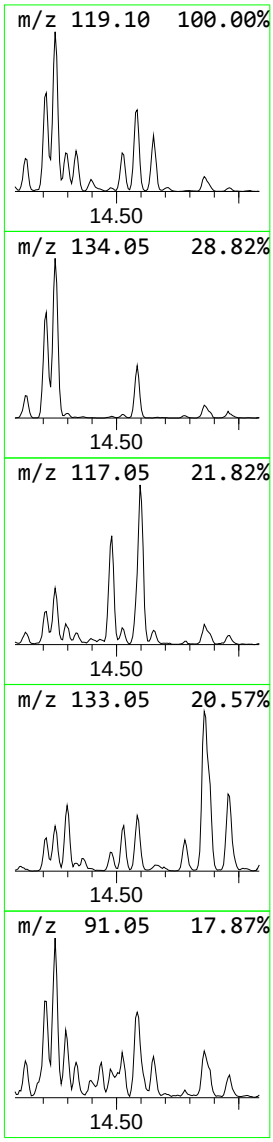
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.584	41.63 ug/l	754657	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2	p-Cymene	134	C10H14	000099-87-6	76
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

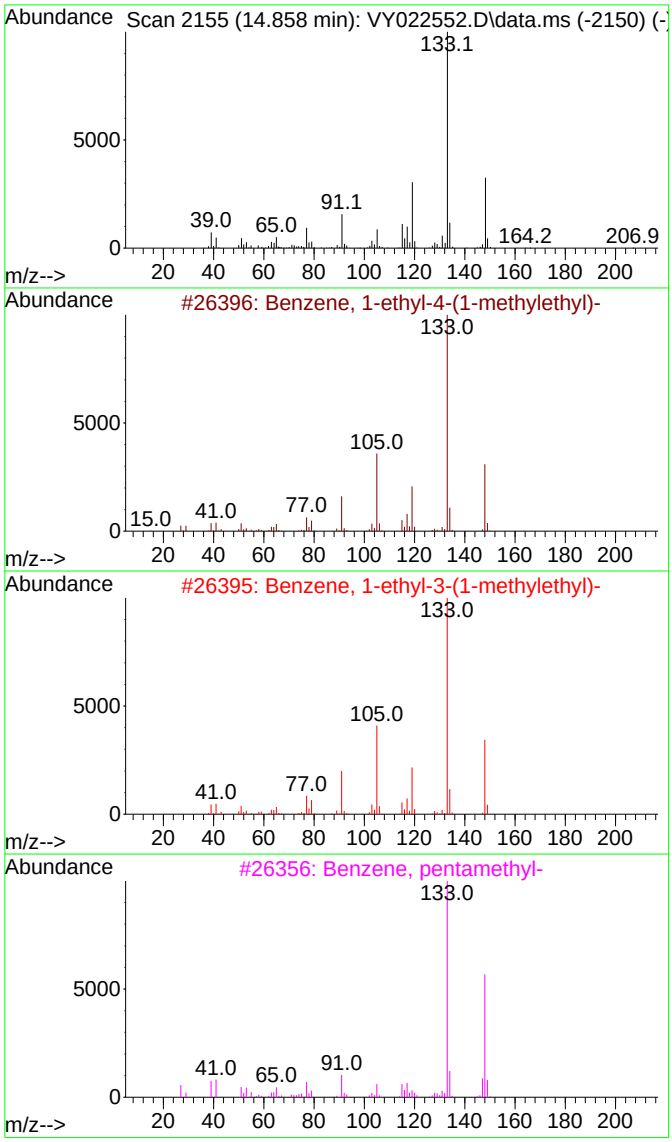
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

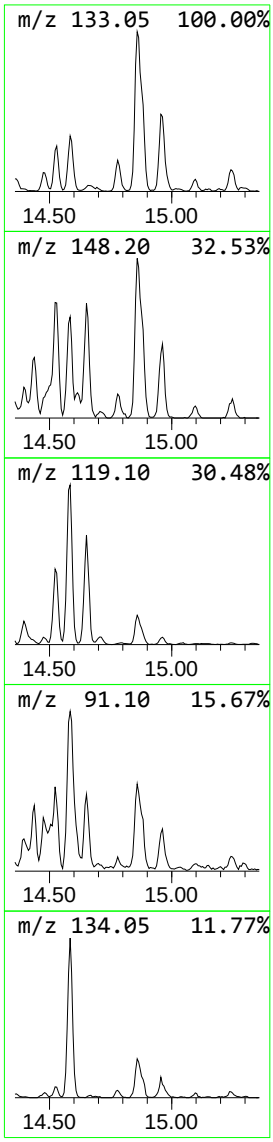
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.858	24.46 ug/l	443533	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	91
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	90
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	90
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	87
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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...	13.804	16.7	ug/l	302791	4	13.341	906480	50.0
Benzene, 2-ethy...	13.828	16.5	ug/l	299694	4	13.341	906480	50.0
Benzene, 2-ethy...	13.889	40.1	ug/l	726707	4	13.341	906480	50.0
1,4-Cyclohexadi...	13.993	14.3	ug/l	258442	4	13.341	906480	50.0
Benzene, 1,2,3,...	14.212	36.4	ug/l	659402	4	13.341	906480	50.0
Benzene, 1,2,4,...	14.249	45.5	ug/l	825832	4	13.341	906480	50.0
Benzene, 1,3-di...	14.298	16.9	ug/l	306975	4	13.341	906480	50.0
3-Phenylbut-1-ene	14.480	14.2	ug/l	256939	4	13.341	906480	50.0
Benzene, 1-ethy...	14.584	41.6	ug/l	754657	4	13.341	906480	50.0
Benzene, 1-ethy...	14.858	24.5	ug/l	443533	4	13.341	906480	50.0