LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022571.D
Acq On : 05 Jun 2025 13:56
Operator : SY/MD
Sample : Q2224-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

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: VY022571.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	51	65	67	rBV2	12504	47076	26.50%	4.571%
2	7.634	961	970	975	rBV2	22661	54673	30.78%	5.308%
3	7.701	975	981	992	rVB2	51409	117243	66.00%	11.384%
4	8.061	1032	1040	1051	rBV	19852	46651	26.26%	4.530%
5	8.610	1122	1130	1139	rBV	69324	140715	79.21%	13.663%
6	10.103	1367	1375	1387	rVB	105106	177647	100.00%	17.248%
7	11.005	1519	1523	1527	rBV5	1071	1945	1.09%	0.189%
8	11.414	1581	1590	1599	rVB	71351	123934	69.76%	12.033%
9	11.658	1626	1630	1635	rVB5	1624	2737	1.54%	0.266%
10	11.932	1668	1675	1680	rVB5	2510	5390	3.03%	0.523%
11	12.048	1690	1694	1697	rVB5	1846	2718	1.53%	0.264%
12	12.121	1701	1706	1709	rBV5	1674	2872	1.62%	0.279%
13	12.158	1709	1712	1717	rVB7	2520	4203	2.37%	0.408%
14	12.280	1727	1732	1736	rBV7	1997	3605	2.03%	0.350%
15	12.402	1745	1752	1760	rBV	42712	70309	39.58%	6.827%
16	12.493	1764	1767	1771	rVV6	1494	2089	1.18%	0.203%
17	12.560	1773	1778	1784	rVB7	3006	6293	3.54%	0.611%
18	12.652	1786	1793	1796	rBV5	2134	4233	2.38%	0.411%
19	12.731	1796	1806	1811	rVV5	5485	14241	8.02%	1.383%
20	12.780	1811	1814	1818	rVB3	3048	4070	2.29%	0.395%
21	12.877	1826	1830	1832	rBV5	1809	2499	1.41%	0.243%
22	12.962	1840	1844	1850	rVB8	3330	6726	3.79%	0.653%
23	13.243	1881	1890	1893	rBV8	5751	12906	7.26%	1.253%
24	13.273	1893	1895	1900	rVV6	2219	3210	1.81%	0.312%
25	13.340	1900	1906	1914	rVV	42092	66141	37.23%	6.422%
26	13.487	1921	1930	1933	rBV9	3412	8033	4.52%	0.780%
27	13.590	1941	1947	1950	rBV6	1871	3603	2.03%	0.350%
28	13.664	1952	1959	1963	rBV5	7897	15618	8.79%	1.516%
29	13.773	1974	1977	1980	rVB5	1802	2522	1.42%	0.245%
30	13.883	1991	1995	2000	rVB8	4935	8109	4.56%	0.787%
31	13.999	2008	2014	2018	rVB7	3512	6003	3.38%	0.583%
32	14.042	2018	2021	2022	rBV3	2060	1792	1.01%	0.174%
33	14.060	2022	2024	2028	rVV5	3216	3729	2.10%	0.362%
34	14.115	2030	2033	2037	rVV5	2341	3079	1.73%	0.299%
35	14.170	2037	2042	2051	rVV8	5327	10267	5.78%	0.997%
36	14.298	2059	2063	2065	rVB4	2467	2919	1.64%	0.283%

LSC Area Percent Report

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Operator : SY/MD
Sample : Q2224-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

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

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Peak separation: 5

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Title : SW846 8260

37	14.334	2065	2069	2073	rBV6	5163	6979	3.93%	0.678%
38	14.389	2075	2078	2083	rVV7	1969	2572	1.45%	0.250%
39	14.529	2098	2101	2105	rVB5	2879	3166	1.78%	0.307%
40	14.584	2106	2110	2117	rVB9	3732	8051	4.53%	0.782%
41	14.651	2117	2121	2126	rVB7	3091	5151	2.90%	0.500%
42	14.700	2126	2129	2132	rBV5	1654	2368	1.33%	0.230%
43	14.761	2135	2139	2143	rVB5	1753	2930	1.65%	0.284%
44	14.858	2150	2155	2158	rBV6	2182	3657	2.06%	0.355%
45	15.194	2207	2210	2214	rVB3	1436	1938	1.09%	0.188%
46	15.279	2218	2224	2229	rVB8	1380	3321	1.87%	0.322%

Sum of corrected areas: 1029933

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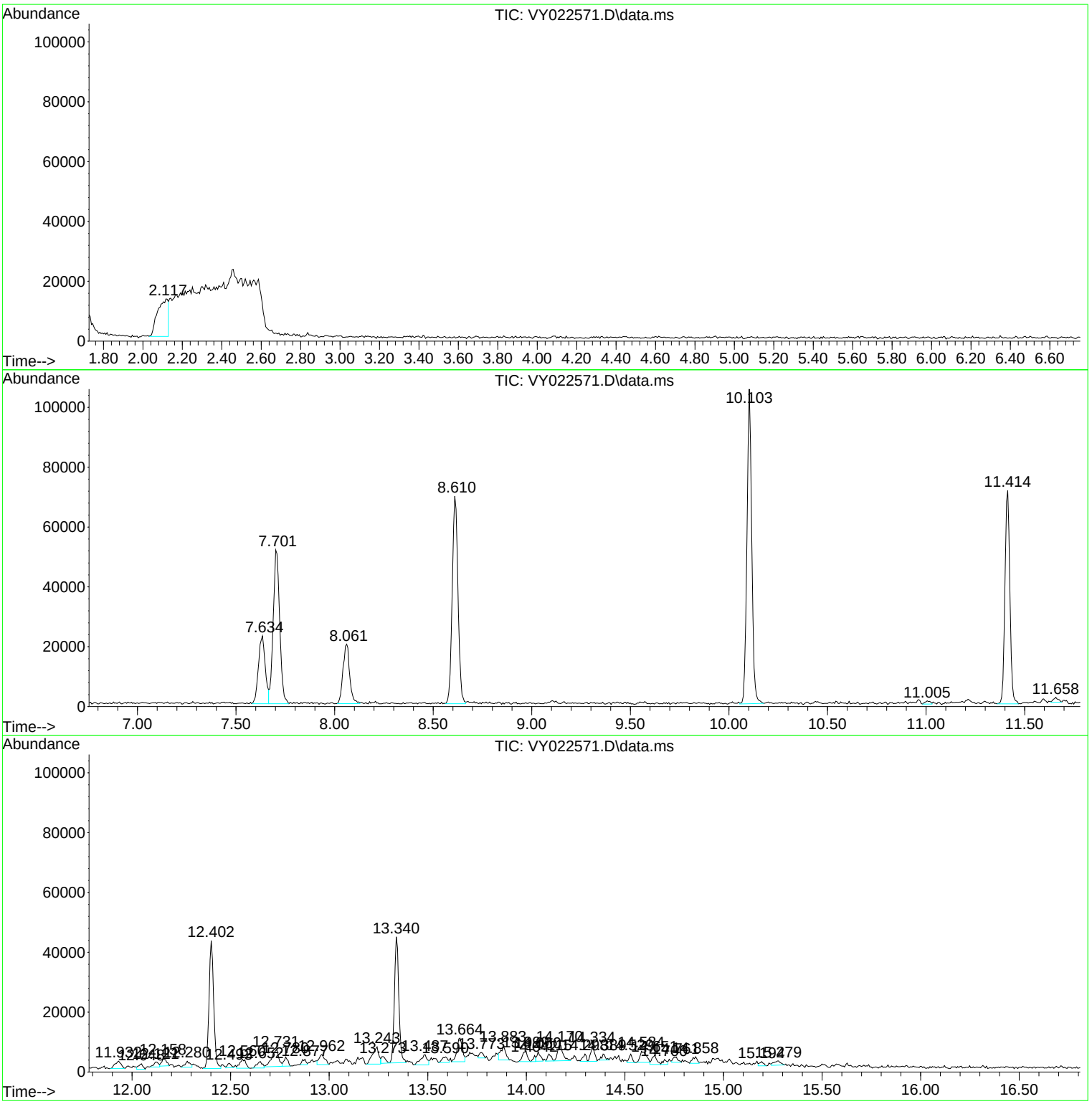
EO-01-06042025

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



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Data File : VY022571.D
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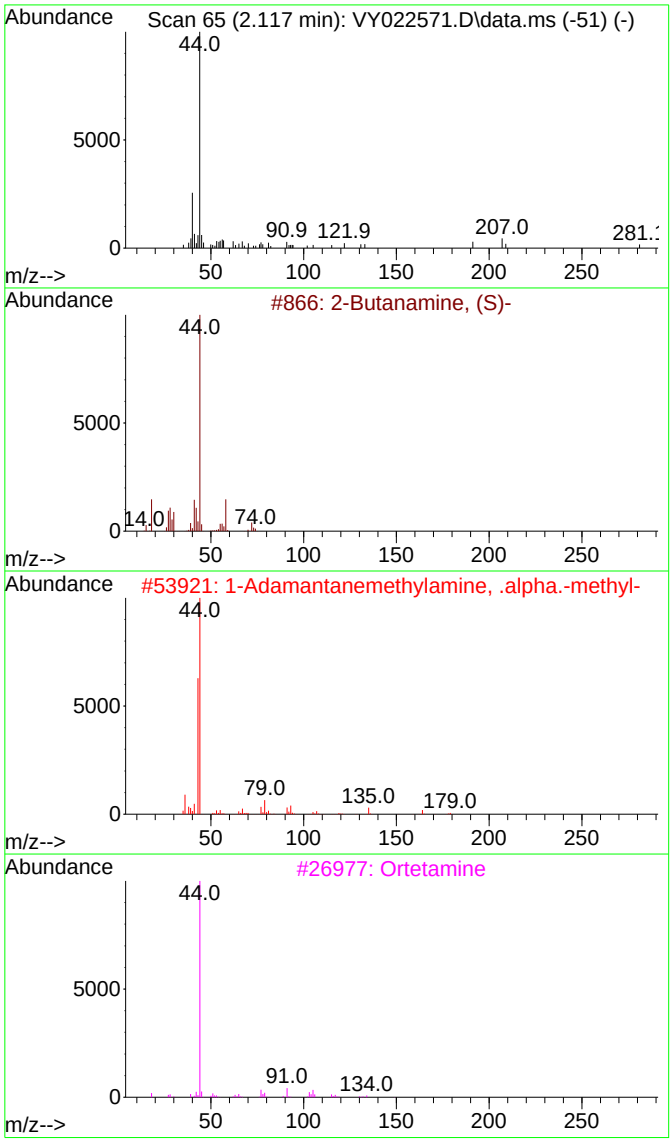
Quant Title : SW846 8260

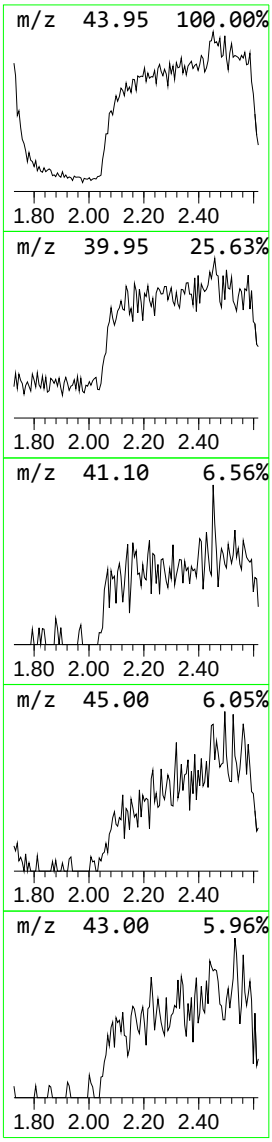
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Butanamine, (S)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.117	20.08 ug/l	47076	Pentafluorobenzene	7.701

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanamine, (S)-	73	C4H11N	000513-49-5	59
2	1-Adamantanemethylamine, .alpha....	179	C12H21N	013392-28-4	45
3	Ortetamine	149	C10H15N	005580-32-5	45
4	sec-Butylamine	73	C4H11N	013952-84-6	45
5	3-Methoxyamphetamine	165	C10H15NO	017862-85-0	39





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Operator : SY/MD
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

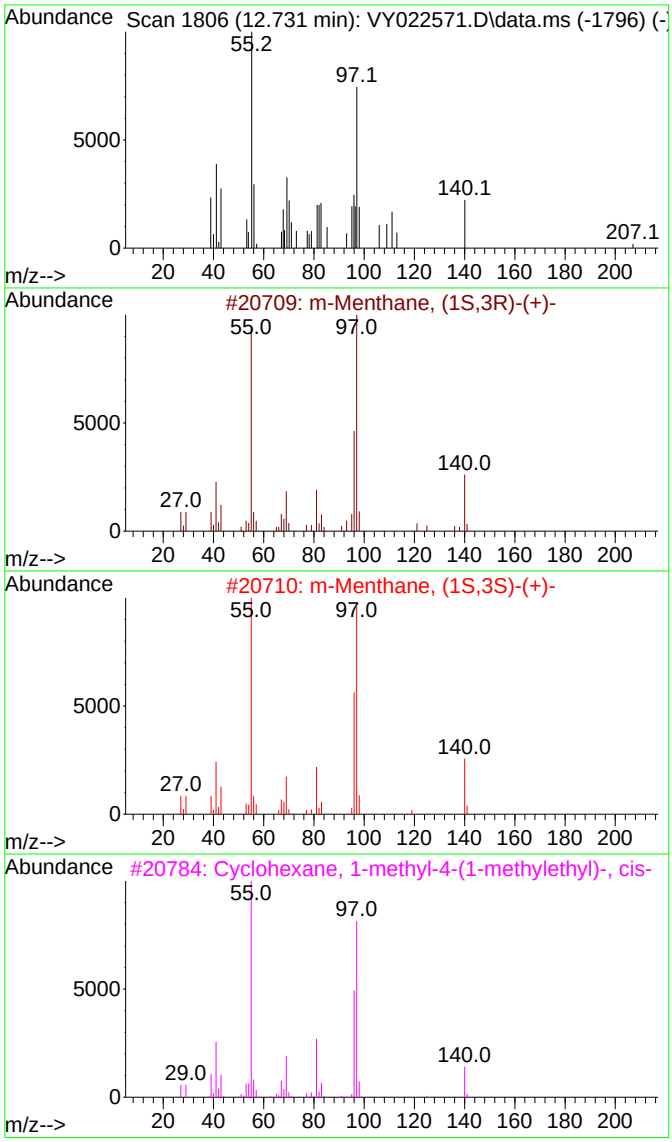
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

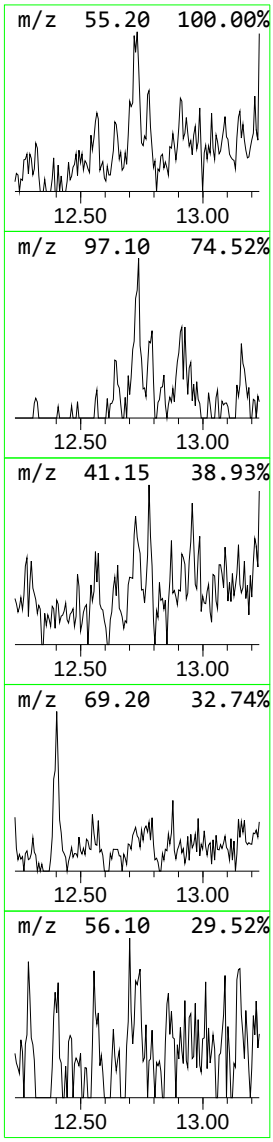
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 m-Menthane, (1S,3R)-(+)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.731	10.77 ug/l	14241	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	52
2	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	49
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	47
4	Cyclohexane, 1-methyl-4-(1-methy...	168	C12H24	054411-00-6	47
5	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
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Acq On : 05 Jun 2025 13:56
Operator : SY/MD
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

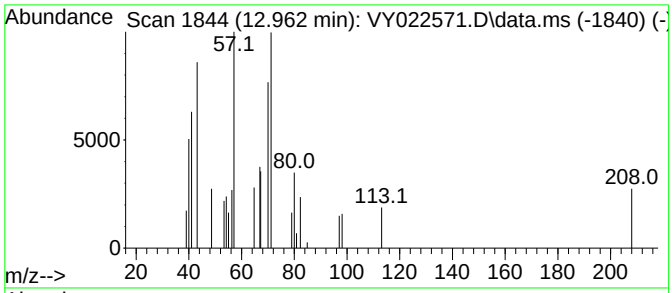
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

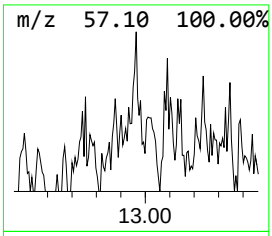
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

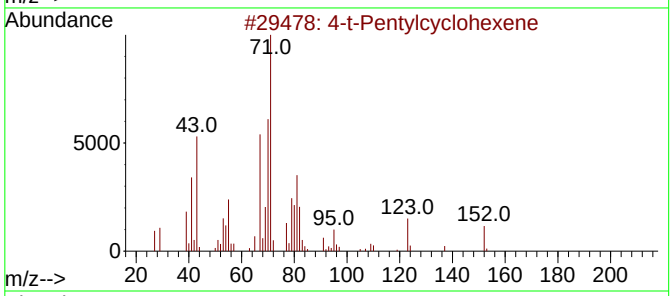
****
Peak Number 3 4-t-Pentylcyclohexene Concentration Rank 10

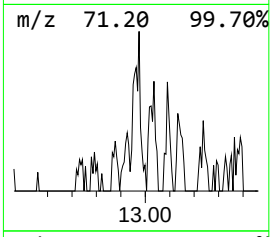
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.963	5.08 ug/l	6726	1,4-Dichlorobenzene-d4	13.340

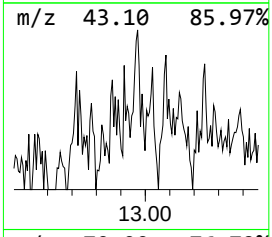
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-t-Pentylcyclohexene	152	C11H20	051874-62-5	50
2	Cyclopentene-1-methanol	98	C6H10O	001120-80-5	43
3	1,6-Octadiene, 8-methoxy-	140	C9H16O	014543-49-8	43
4	2-Undecene, 4,5-dimethyl-, [R*,S...	182	C13H26	055170-93-9	25
5	(Aminomethyl)cyclopropane	71	C4H9N	002516-47-4	25

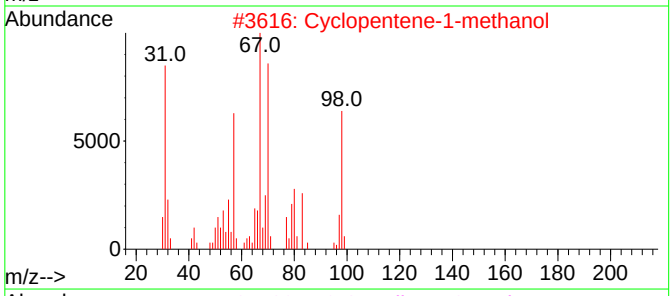


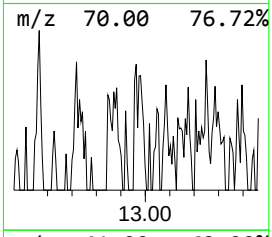


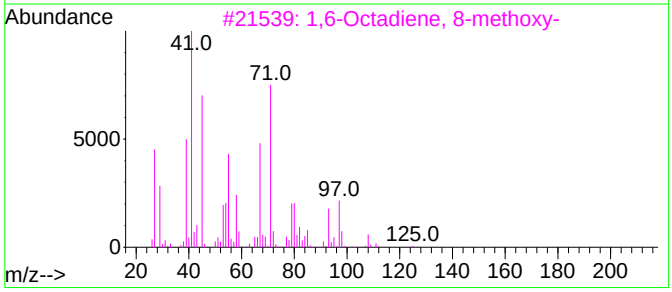


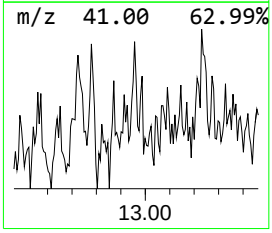












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Operator : SY/MD
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

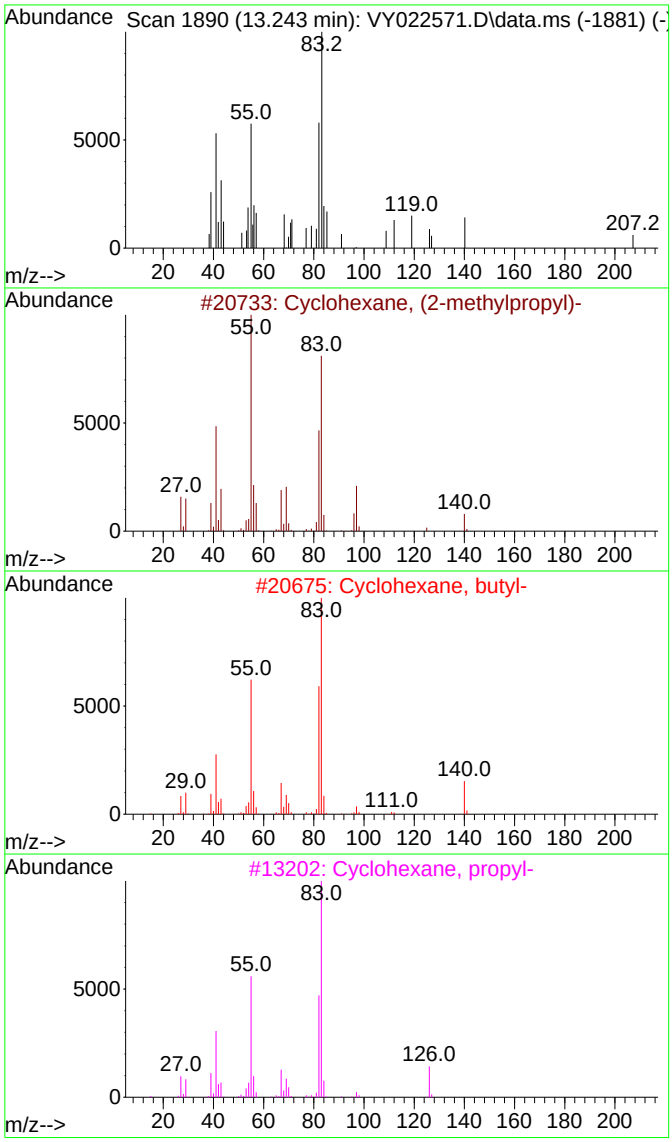
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

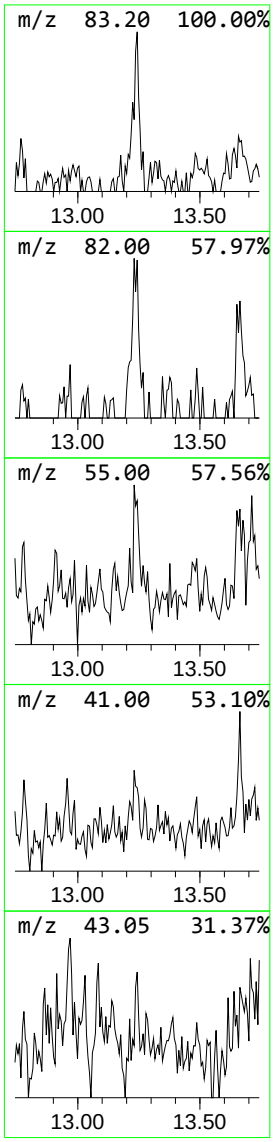
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, (2-methylpropyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.243	9.76 ug/l	12906	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	58
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	47
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	46
5	2(5H)-Furanone, 5-ethyl-	112	C6H8O2	002407-43-4	46





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Data File : VY022571.D
Acq On : 05 Jun 2025 13:56
Operator : SY/MD
Sample : Q2224-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

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

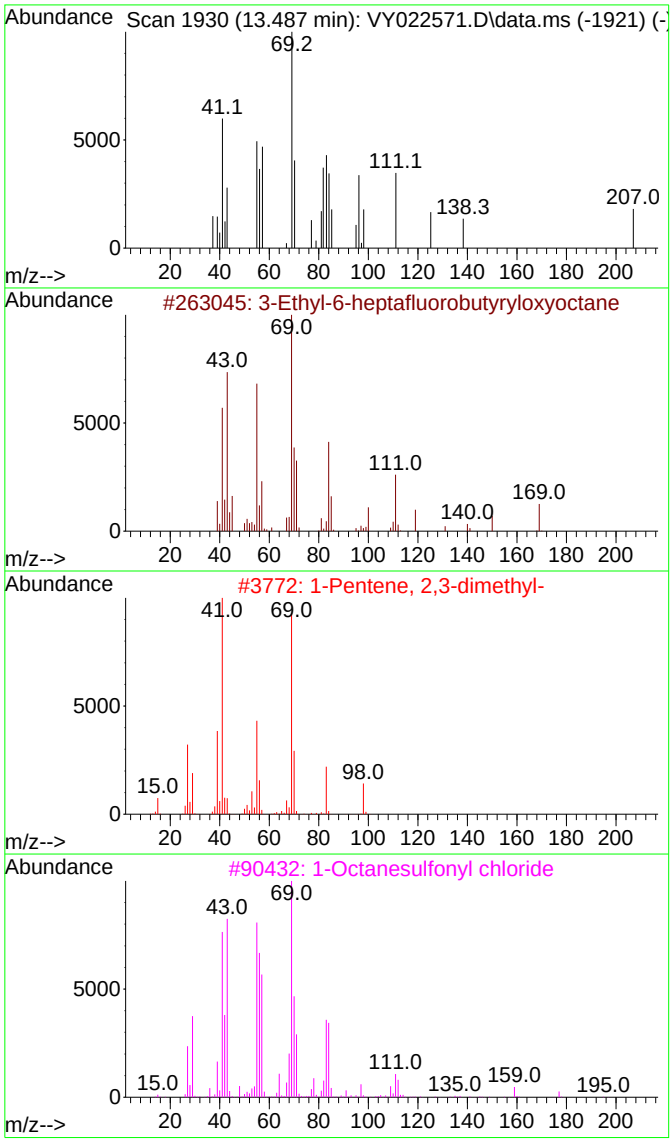
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

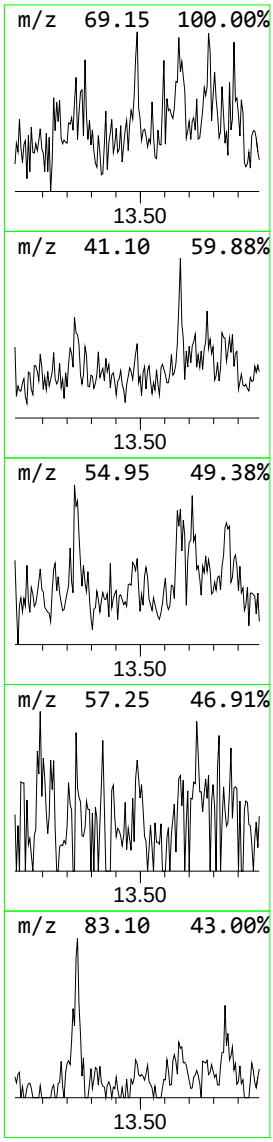
****

Peak Number 5 unknown13.487 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.487	6.07 ug/l	8033	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-6-heptafluorobutyryloxyo...	354	C14H21F7O2	1000215-97-4	47
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	43
3	1-Octanesulfonyl chloride	212	C8H17ClO2S	007795-95-1	40
4	(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1010499-04-6	38
5	3-Methyl-2-hexene	98	C7H14	017618-77-8	35





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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

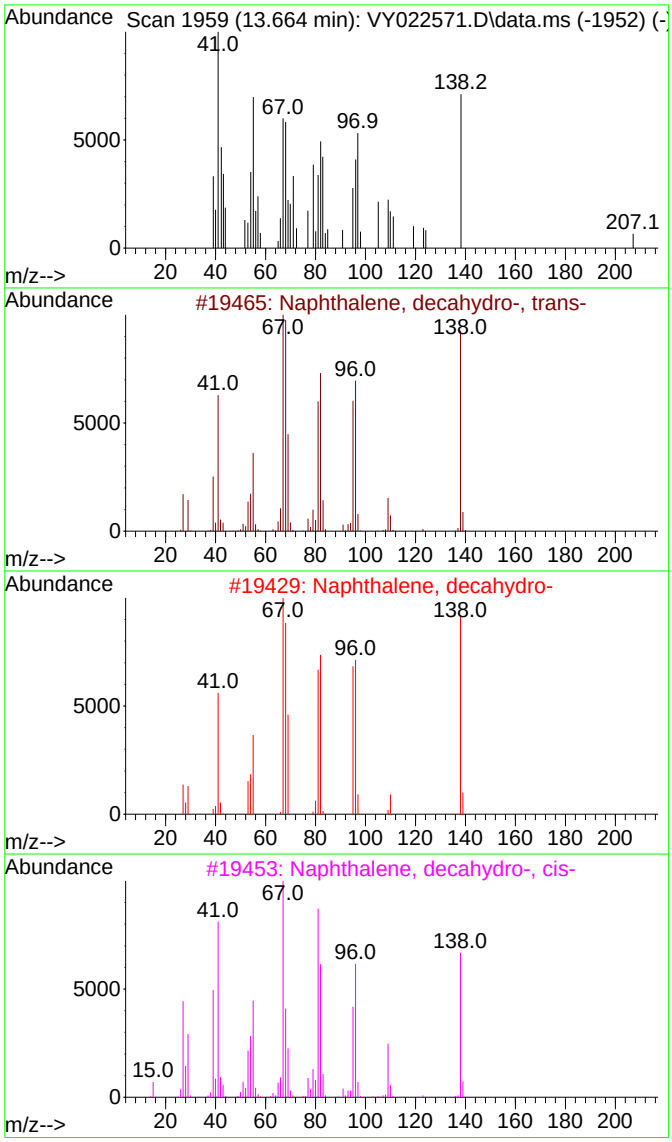
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

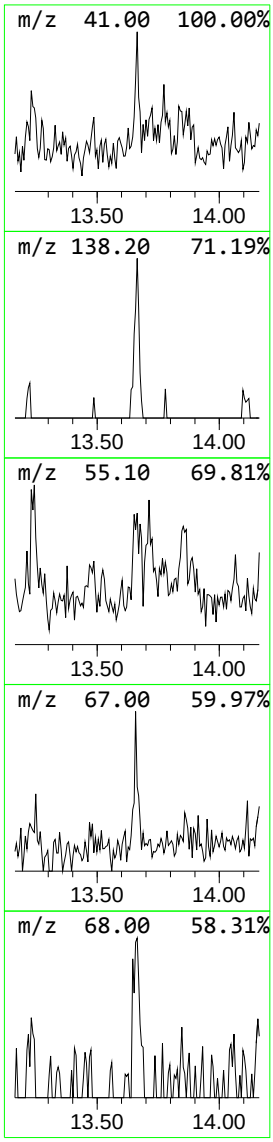
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, decahydro-, tr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	11.81 ug/l	15618	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	58
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	49
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	49
4	Dodecanoic acid, 9-decen-1-yl ester	338	C22H42O2	166520-98-5	47
5	1,16-Hexadecanediol	258	C16H34O2	007735-42-4	46





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Data File : VY022571.D
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Operator : SY/MD
Sample : Q2224-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

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

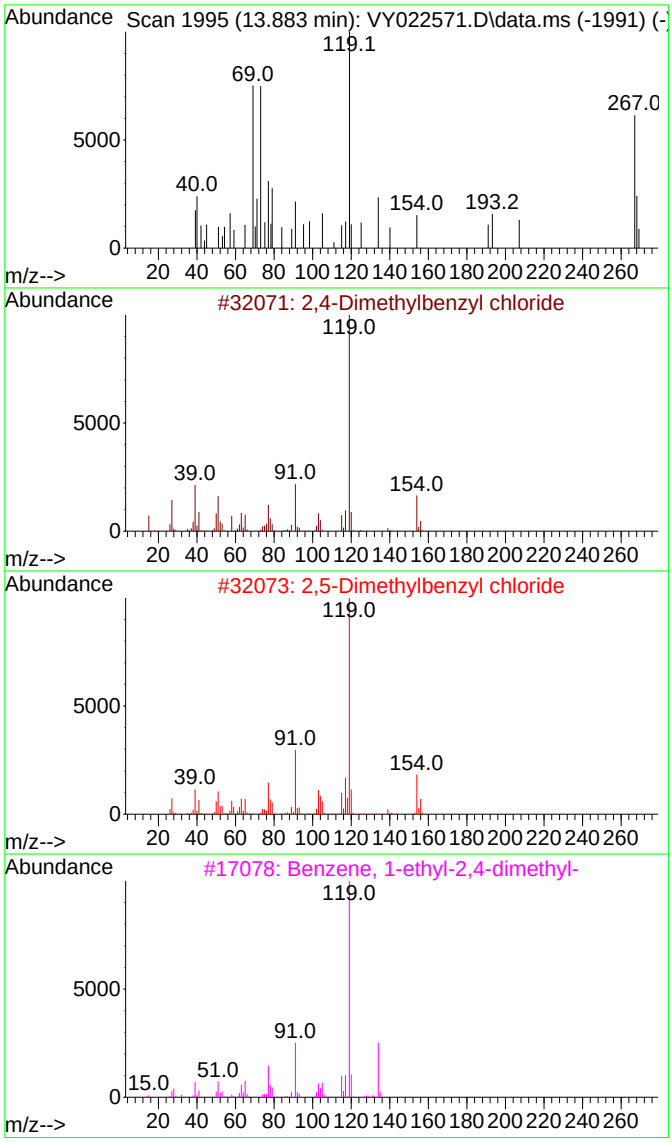
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

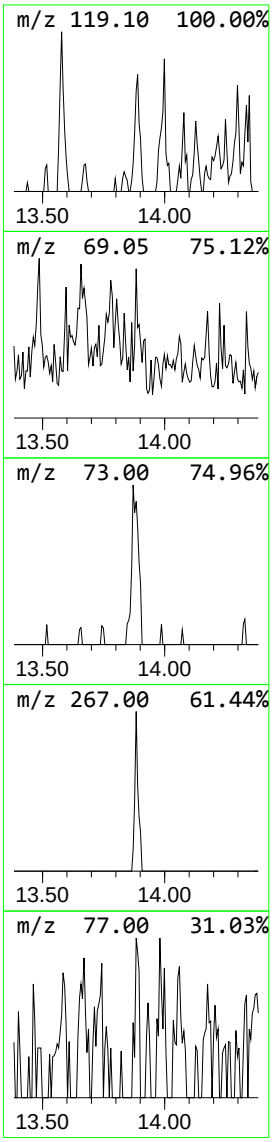
****

Peak Number 7 unknown13.883 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.883	6.13 ug/l	8109	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	18
2	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	18
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	18
4	p-Cymene	134	C10H14	000099-87-6	18
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022571.D
Acq On : 05 Jun 2025 13:56
Operator : SY/MD
Sample : Q2224-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

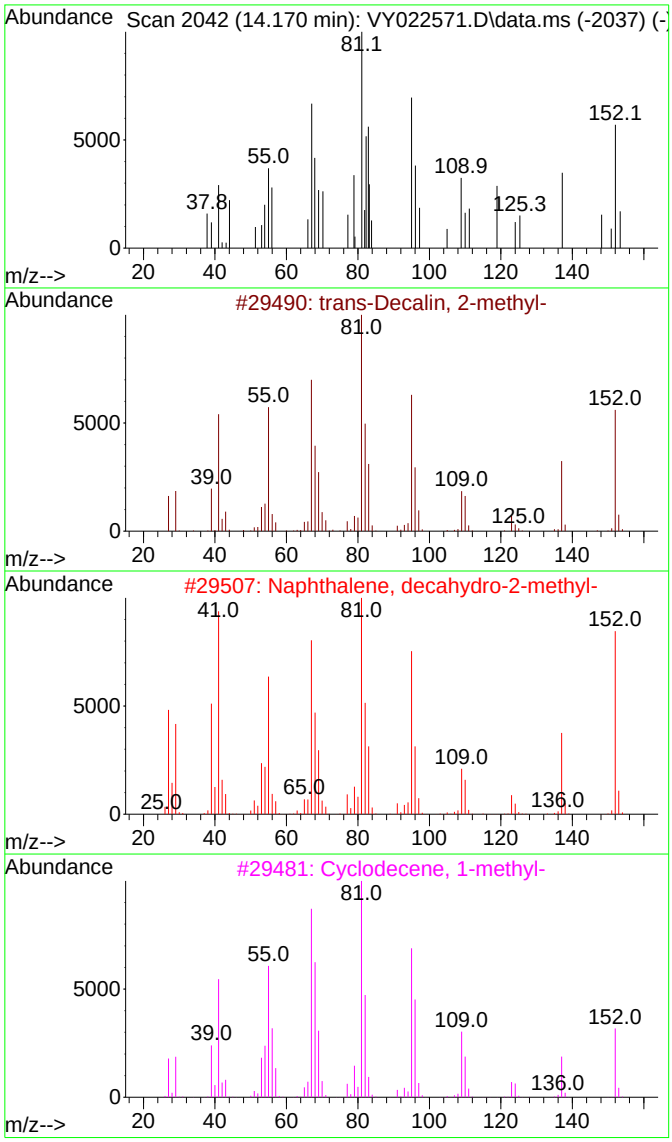
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

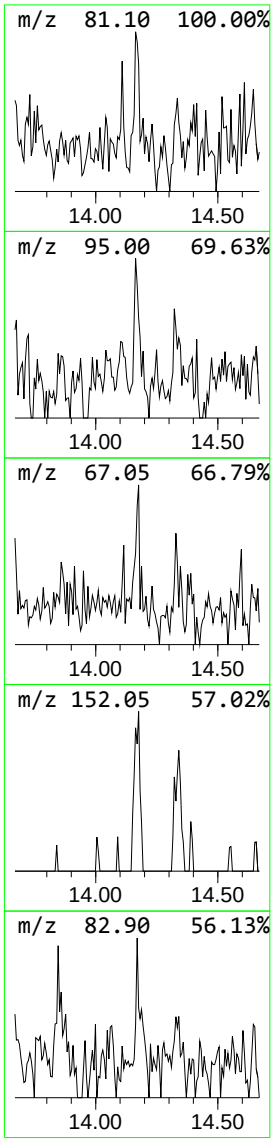
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 trans-Decalin, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.170	7.76 ug/l	10267	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	92
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	62
3	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	60
4	Furan, 2-hexyl-	152	C10H16O	003777-70-6	49
5	(R)-(-)-14-Methyl-8-hexadecyn-1-ol	252	C17H32O	064566-18-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022571.D
Acq On : 05 Jun 2025 13:56
Operator : SY/MD
Sample : Q2224-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

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

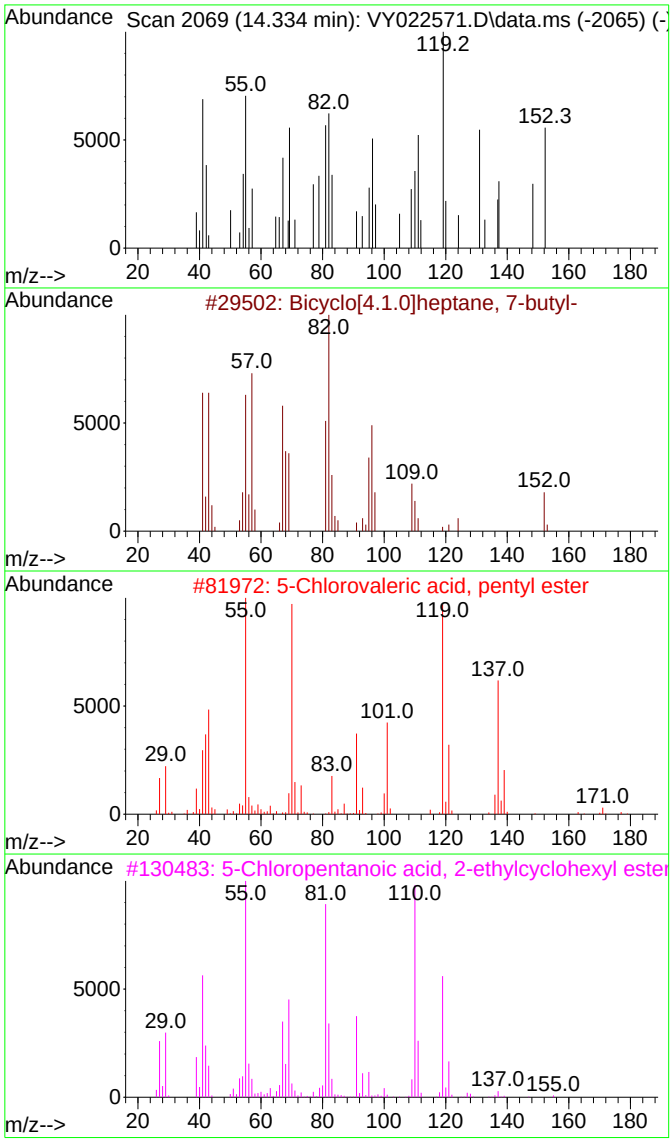
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

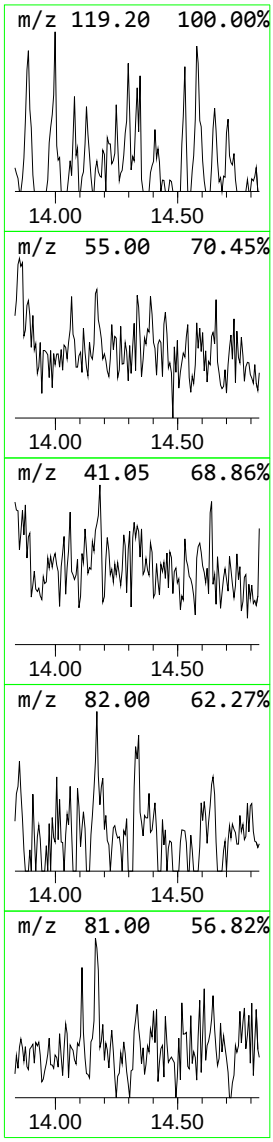
****

Peak Number 9 unknown14.334 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.334	5.28 ug/l	6979	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	14
2	5-Chlorovaleric acid, pentyl ester	206	C10H19ClO2	070543-39-4	12
3	5-Chloropentanoic acid, 2-ethylc...	246	C13H23ClO2	1000293-37-8	12
4	Imidazo(1,5-a)pyrimidine	119	C6H5N3	000274-67-9	11
5	Bicyclo[5.3.0]decane	138	C10H18	005661-80-3	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022571.D
Acq On : 05 Jun 2025 13:56
Operator : SY/MD
Sample : Q2224-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

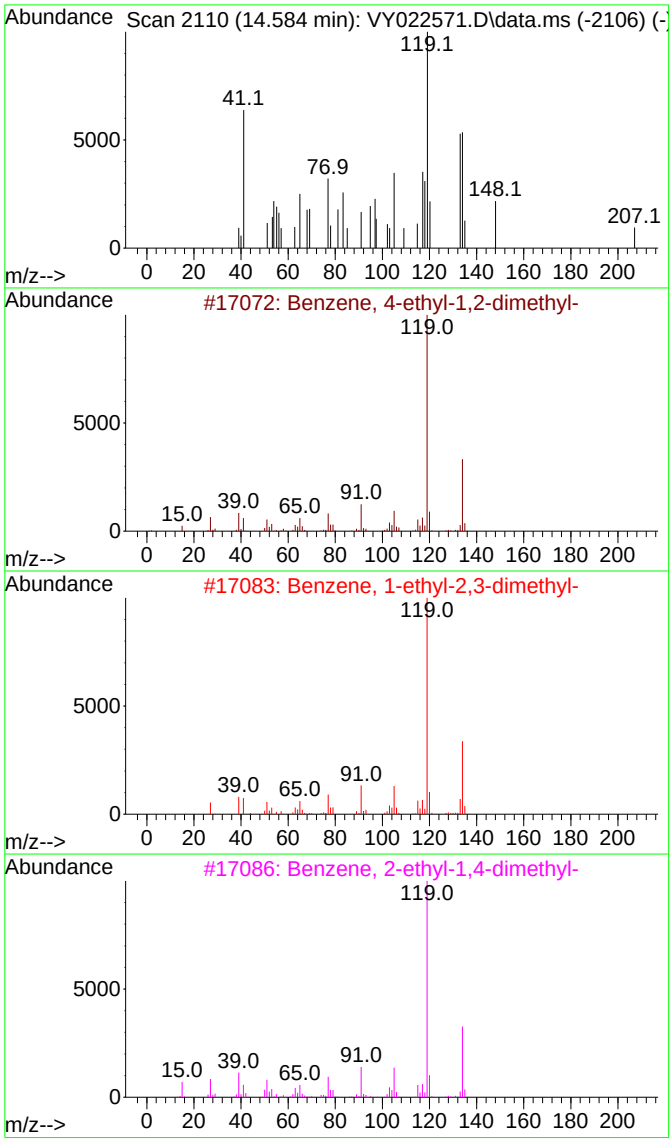
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

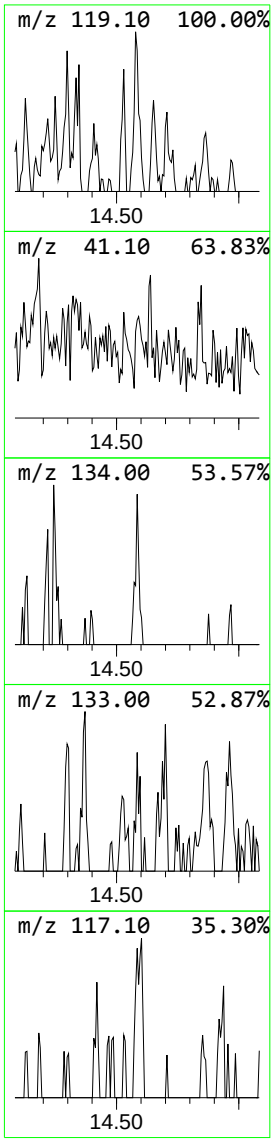
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown14.584 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.584	6.09 ug/l	8051	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	43
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	43
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	43
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
5	o-Cymene	134	C10H14	000527-84-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022571.D
Acq On : 05 Jun 2025 13:56
Operator : SY/MD
Sample : Q2224-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

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
2-Butanamine, (S)-	2.117	20.1	ug/l	47076	1	7.701	117243	50.0
m-Menthane, (1S...	12.731	10.8	ug/l	14241	4	13.340	66141	50.0
4-t-Pentylcyclo...	12.963	5.1	ug/l	6726	4	13.340	66141	50.0
Cyclohexane, (2...	13.243	9.8	ug/l	12906	4	13.340	66141	50.0
unknown13.487	13.487	6.1	ug/l	8033	4	13.340	66141	50.0
Naphthalene, de...	13.664	11.8	ug/l	15618	4	13.340	66141	50.0
unknown13.883	13.883	6.1	ug/l	8109	4	13.340	66141	50.0
trans-Decalin, ...	14.170	7.8	ug/l	10267	4	13.340	66141	50.0
unknown14.334	14.334	5.3	ug/l	6979	4	13.340	66141	50.0
unknown14.584	14.584	6.1	ug/l	8051	4	13.340	66141	50.0