

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
 Data File : VY019367.D
 Acq On : 29 Aug 2024 08:44
 Operator : SY/MD
 Sample : P3727-03
 Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-21-VOC

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\82Y081524S.M
 Title : SW846 8260

Signal : TIC: VY019367.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.628	960	969	975	rBV2	24611	57378	2.93%	0.277%
2	7.701	975	981	992	rVB	37158	81145	4.14%	0.392%
3	8.055	1031	1039	1047	rBV	18819	41258	2.11%	0.199%
4	8.609	1121	1130	1139	rBV	56790	113880	5.81%	0.551%
5	10.103	1367	1375	1386	rBV	84140	149341	7.62%	0.722%
6	11.414	1582	1590	1599	rBV	82455	138966	7.09%	0.672%
7	11.670	1626	1632	1642	rVB7	10105	34994	1.79%	0.169%
8	11.932	1667	1675	1680	rBV5	38599	94461	4.82%	0.457%
9	12.048	1691	1694	1698	rVB	26272	33999	1.74%	0.164%
10	12.127	1702	1707	1710	rBV5	46728	84953	4.34%	0.411%
11	12.164	1710	1713	1717	rVB3	56897	82061	4.19%	0.397%
12	12.243	1717	1726	1732	rBV10	25282	91844	4.69%	0.444%
13	12.304	1733	1736	1740	rBV6	13194	22049	1.13%	0.107%
14	12.340	1740	1742	1748	rVB3	35962	54403	2.78%	0.263%
15	12.407	1748	1753	1758	rBV3	77920	116459	5.94%	0.563%
16	12.456	1758	1761	1762	rBV2	20312	24297	1.24%	0.117%
17	12.499	1764	1768	1771	rBV3	20985	32003	1.63%	0.155%
18	12.535	1771	1774	1775	rBV2	18464	20612	1.05%	0.100%
19	12.566	1775	1779	1786	rVB2	168441	317246	16.19%	1.534%
20	12.657	1786	1794	1800	rBV5	96417	282295	14.41%	1.365%
21	12.737	1800	1807	1811	rBV4	214727	443068	22.61%	2.142%
22	12.877	1825	1830	1833	rBV4	88049	139049	7.10%	0.672%
23	12.932	1833	1839	1840	rVV4	56330	99524	5.08%	0.481%
24	12.962	1840	1844	1852	rVB	358623	568099	28.99%	2.746%
25	13.054	1852	1859	1861	rBV5	40313	81535	4.16%	0.394%
26	13.090	1862	1865	1872	rBV8	89093	180689	9.22%	0.874%
27	13.243	1882	1890	1893	rBV4	266699	591737	30.20%	2.861%
28	13.285	1893	1897	1900	rVB4	122346	169802	8.67%	0.821%
29	13.322	1900	1903	1905	rBV2	64459	73853	3.77%	0.357%
30	13.352	1905	1908	1911	rVV2	63283	81202	4.14%	0.393%
31	13.426	1916	1920	1923	rBV4	91629	129092	6.59%	0.624%
32	13.487	1926	1930	1934	rVB5	91852	121904	6.22%	0.589%
33	13.541	1934	1939	1943	rBV3	73859	124647	6.36%	0.603%
34	13.584	1943	1946	1953	rVB2	122455	187518	9.57%	0.907%
35	13.676	1953	1961	1965	rBV2	1016677	1845894	94.21%	8.924%
36	13.718	1965	1968	1970	rBV2	83866	93781	4.79%	0.453%

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Sampling : 1

Min Area: 3 % of largest Peak

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Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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37	13.779	1975	1978	1984	rVV7	194948	518297	26.45%	2.506%
38	13.840	1984	1988	1993	rVV3	284003	650093	33.18%	3.143%
39	13.889	1993	1996	2001	rVV2	298536	513369	26.20%	2.482%
40	13.938	2001	2004	2009	rVB2	178617	253836	12.95%	1.227%
41	13.999	2009	2014	2019	rBV2	316930	476005	24.29%	2.301%
42	14.066	2019	2025	2030	rBV6	186470	434449	22.17%	2.100%
43	14.175	2030	2043	2050	rBV7	572206	1959395	100.00%	9.473%
44	14.236	2050	2053	2060	rVB2	282272	626418	31.97%	3.028%
45	14.303	2060	2064	2066	rBV3	245207	322721	16.47%	1.560%
46	14.340	2066	2070	2075	rVB	511401	716724	36.58%	3.465%
47	14.438	2083	2086	2090	rVB	63826	89765	4.58%	0.434%
48	14.529	2097	2101	2106	rVB	1007098	1299035	66.30%	6.280%
49	14.596	2106	2112	2117	rBV2	408878	793390	40.49%	3.836%
50	14.651	2117	2121	2127	rVB2	775787	1142400	58.30%	5.523%
51	14.755	2134	2138	2142	rVB3	156848	274384	14.00%	1.327%
52	14.858	2152	2155	2159	rVB3	112057	134765	6.88%	0.652%
53	14.895	2159	2161	2163	rBV2	42509	46748	2.39%	0.226%
54	14.962	2167	2172	2177	rBV5	140217	283725	14.48%	1.372%
55	15.053	2183	2187	2192	rVB4	258482	457038	23.33%	2.210%
56	15.120	2193	2198	2204	rVV	494483	783791	40.00%	3.789%
57	15.200	2205	2211	2215	rVV6	120748	285203	14.56%	1.379%
58	15.273	2216	2223	2230	rVV9	130797	431336	22.01%	2.085%
59	15.340	2230	2234	2242	rVB	232554	362108	18.48%	1.751%
60	15.511	2256	2262	2268	rVB5	122480	248600	12.69%	1.202%
61	15.626	2278	2281	2288	rVB3	80360	124982	6.38%	0.604%
62	15.925	2323	2330	2335	rBV5	80368	174675	8.91%	0.844%
63	16.047	2345	2350	2355	rVB2	79316	133163	6.80%	0.644%
64	16.114	2357	2361	2368	rVB2	34744	65960	3.37%	0.319%
65	16.364	2396	2402	2410	rBV7	59644	159654	8.15%	0.772%
66	16.638	2442	2447	2461	rVB6	46946	117624	6.00%	0.569%

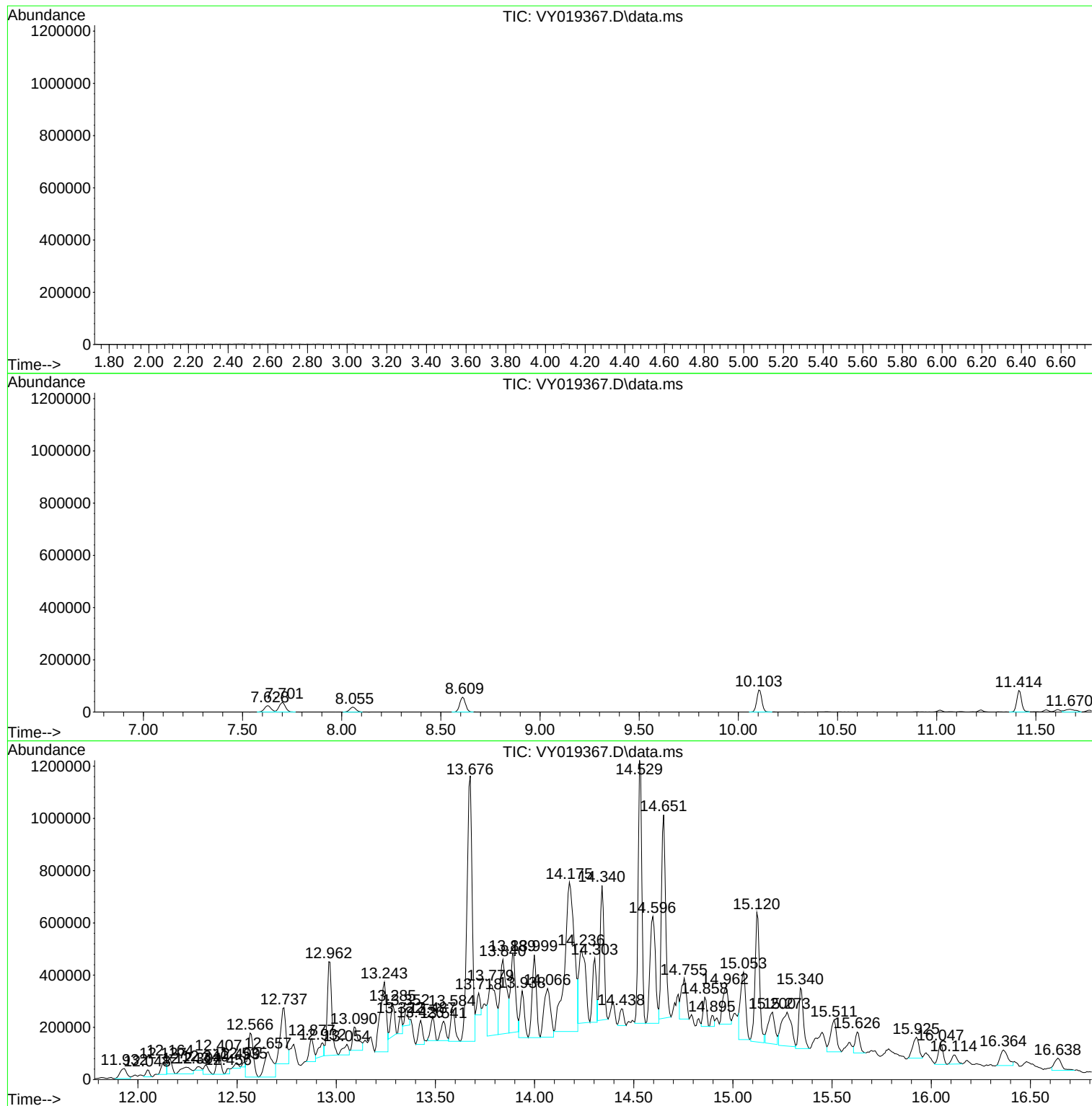
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260

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



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Instrument :
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ClientSampleId :
MH-21-VOC

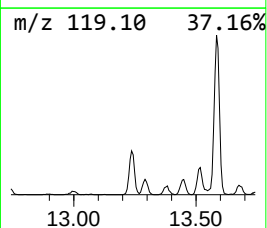
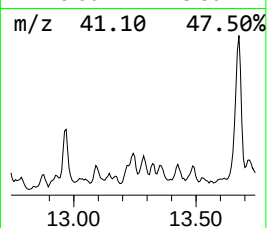
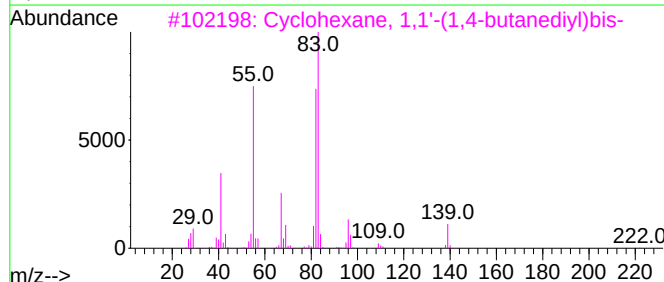
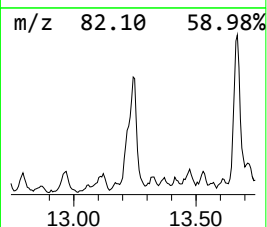
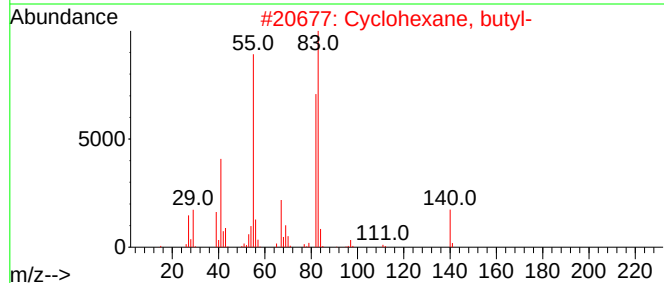
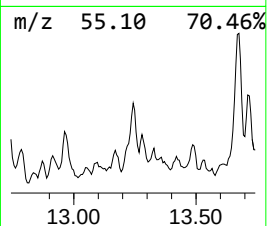
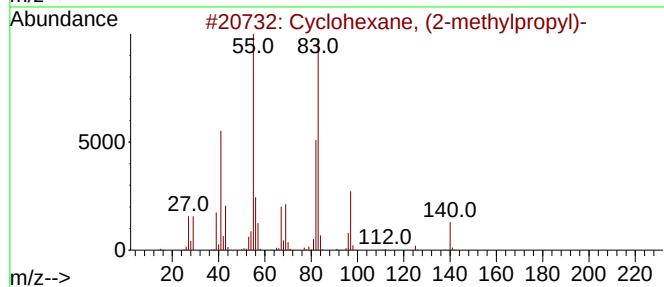
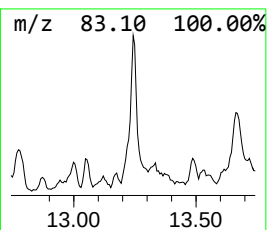
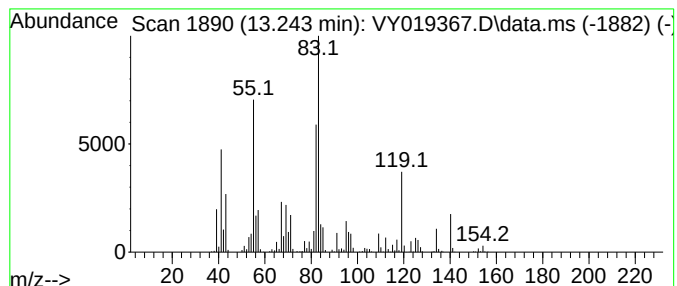
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, (2-methylpropyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.243	364.36 ug/l	591737	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	68
2			Cyclohexane, butyl-	140	C10H20	001678-93-9	62
3			Cyclohexane, 1,1'-(1,4-butanediyl)...	222	C16H30	006165-44-2	53
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	50



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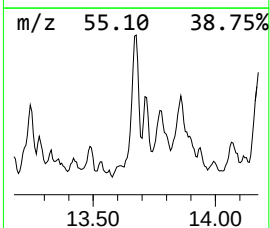
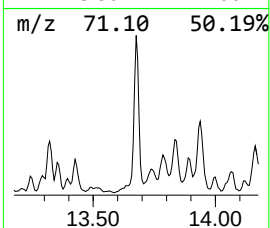
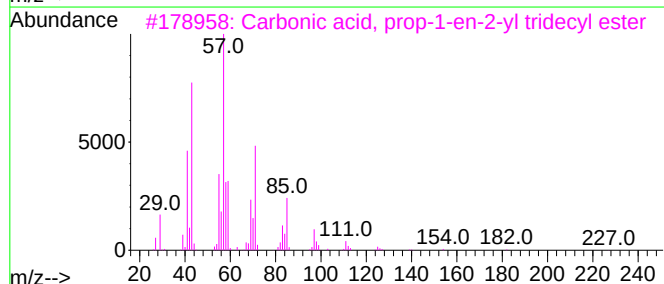
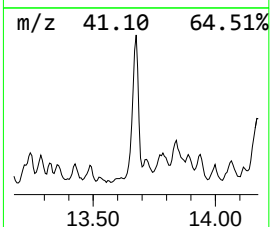
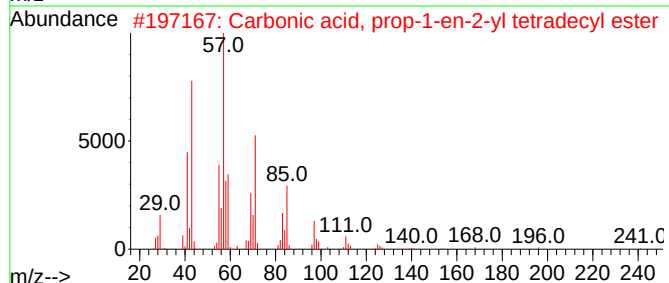
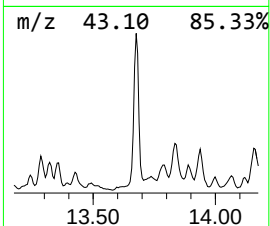
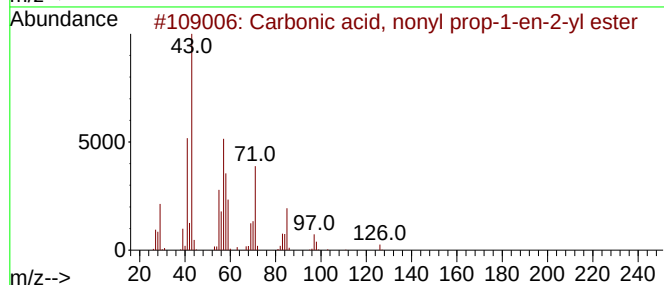
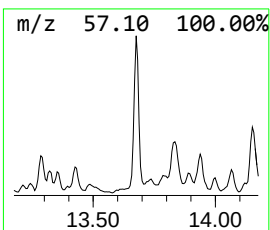
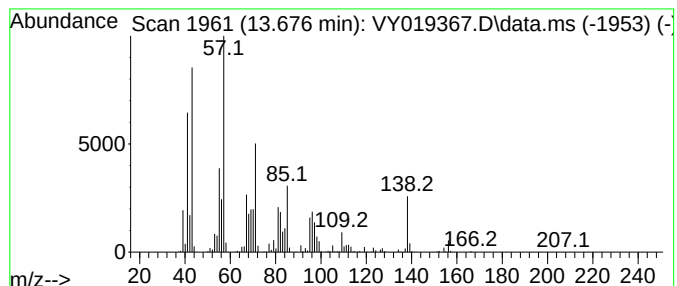
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260

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

Peak Number 2 Carbonic acid, nonyl prop-1... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	1136.61 ug/l	1845890	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, nonyl prop-1-en-2...	228	C13H24O3	1000382-53-9	52
2			Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	52
3			Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	52
4			Undecane	156	C11H24	001120-21-4	49
5			Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	49



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ClientSampleId :
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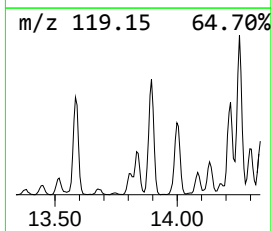
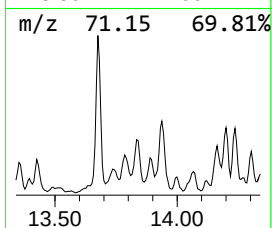
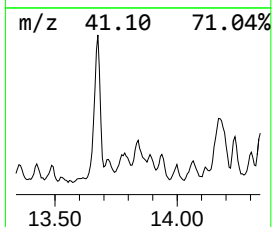
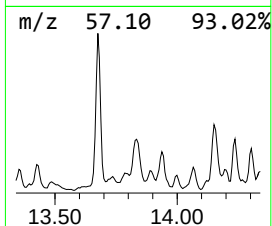
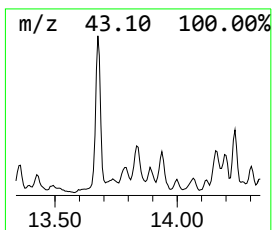
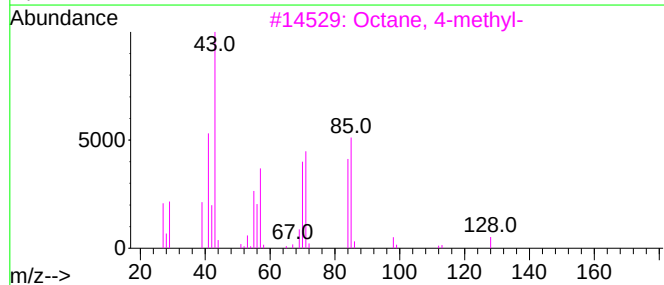
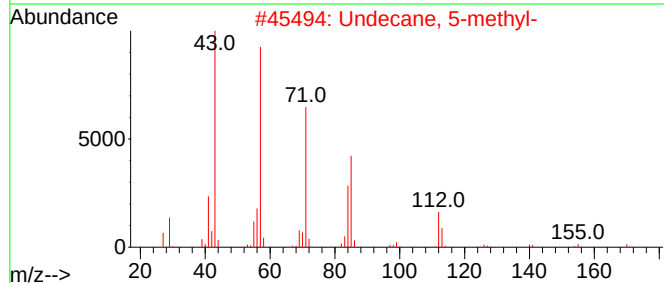
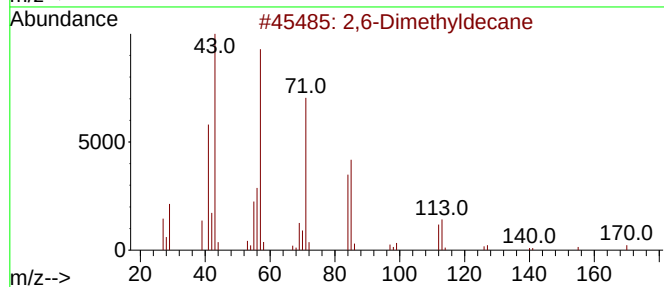
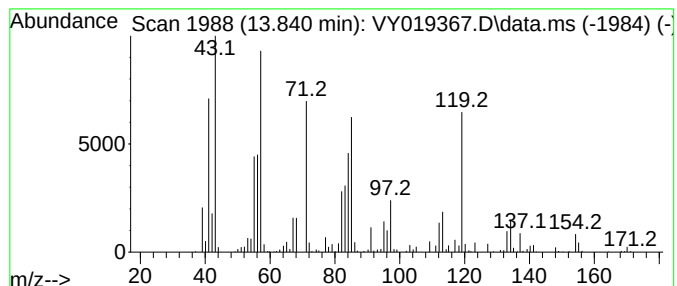
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260

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

Peak Number 3 2,6-Dimethyldecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.840	400.29 ug/l	650093	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,6-Dimethyldecane	170	C12H26	013150-81-7	60
2			Undecane, 5-methyl-	170	C12H26	001632-70-8	45
3			Octane, 4-methyl-	128	C9H20	002216-34-4	43
4			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	43
5			Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	38



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ClientSampleId :
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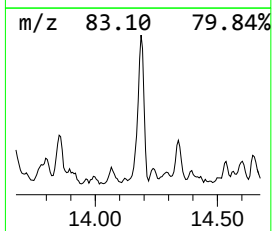
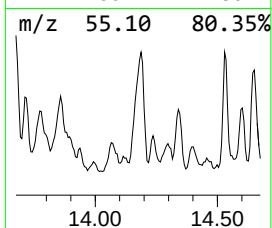
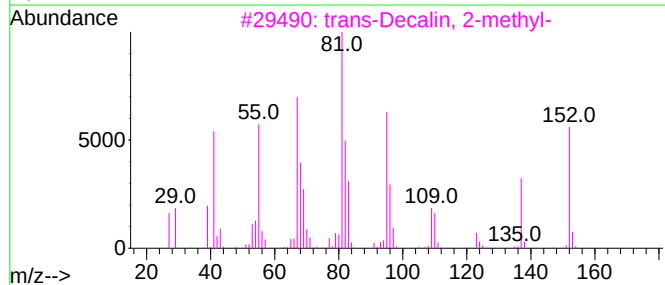
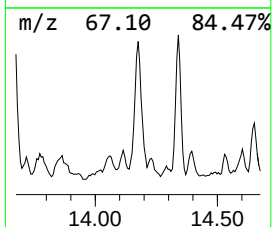
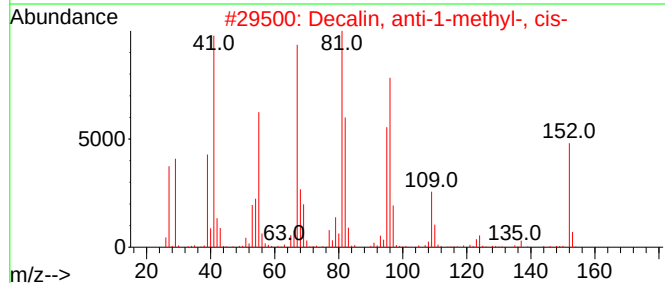
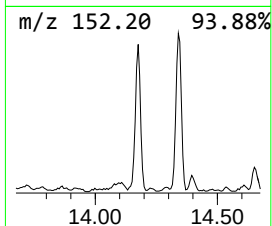
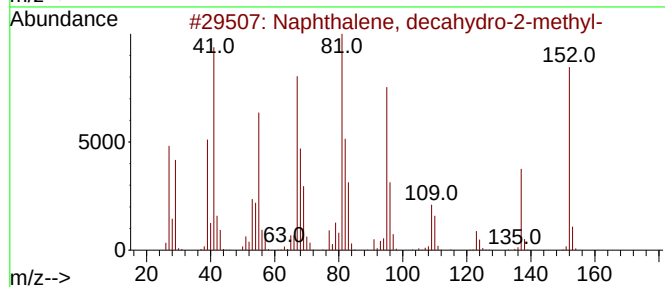
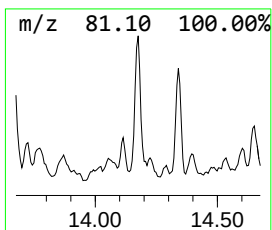
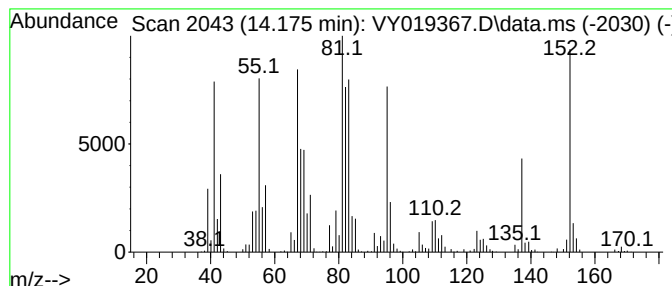
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260

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

Peak Number 4 Naphthalene, decahydro-2-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.175	1206.49 ug/l	1959400	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
2			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	70
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
4			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	62
5			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
Data File : VY019367.D
Acq On : 29 Aug 2024 08:44
Operator : SY/MD
Sample : P3727-03
Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-21-VOC

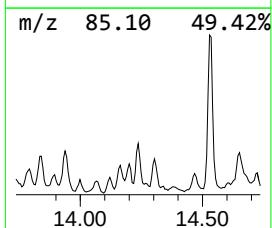
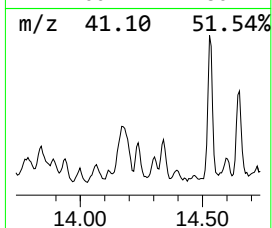
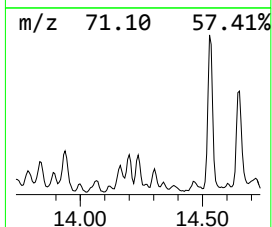
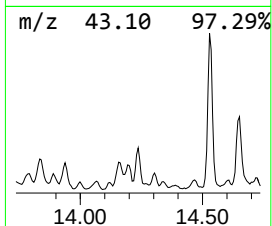
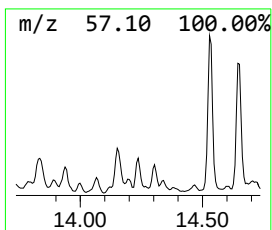
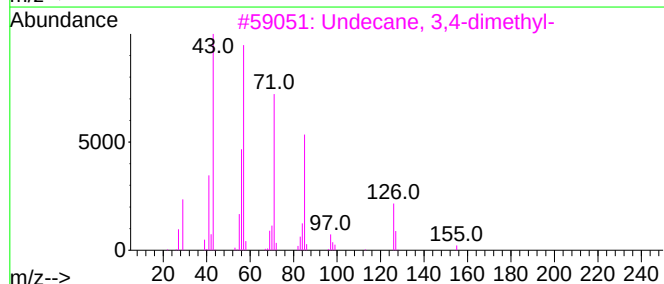
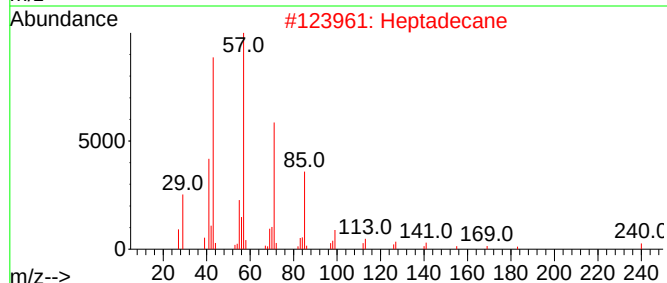
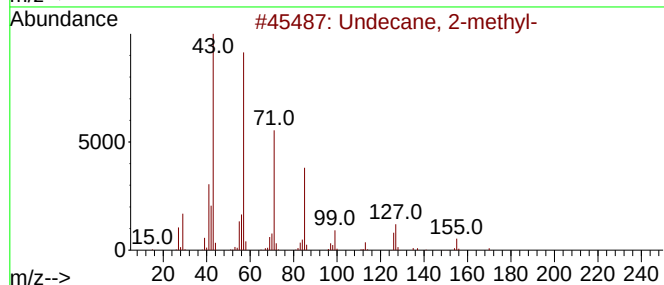
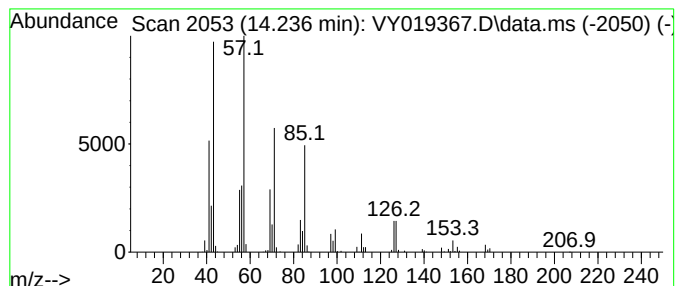
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Quant Title : SW846 8260

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

Peak Number 5 Undecane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.236	385.72 ug/l	626418	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2-methyl-	170	C12H26	007045-71-8	91
2			Heptadecane	240	C17H36	000629-78-7	64
3			Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	64
4			Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	53
5			Pentadecane	212	C15H32	000629-62-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
Data File : VY019367.D
Acq On : 29 Aug 2024 08:44
Operator : SY/MD
Sample : P3727-03
Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-21-VOC

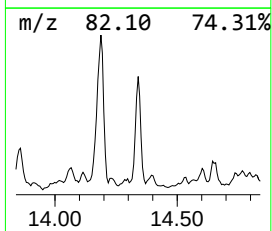
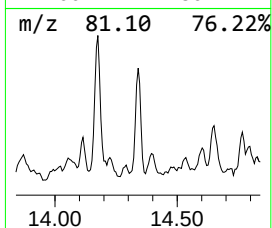
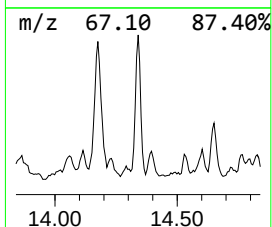
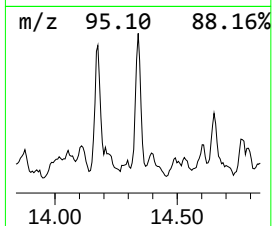
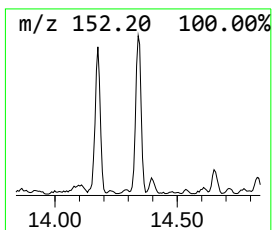
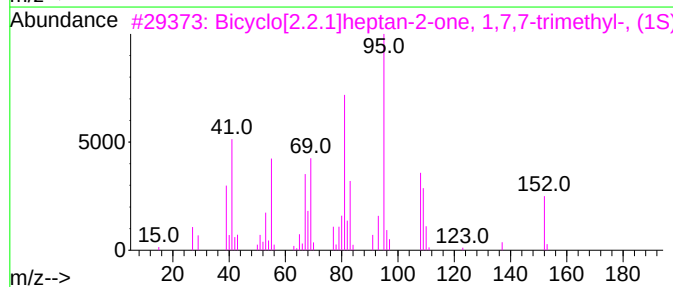
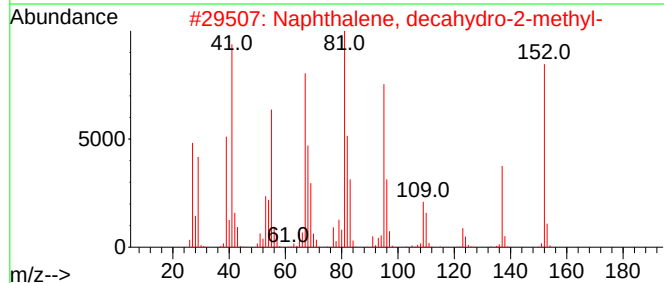
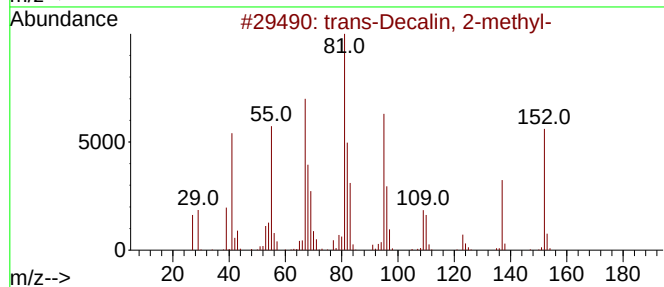
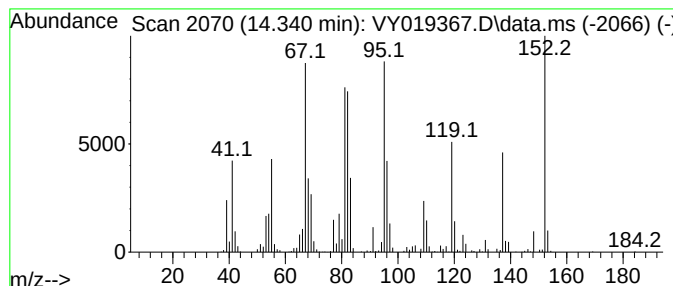
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Quant Title : SW846 8260

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

Peak Number 6 trans-Decalin, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.340	441.32 ug/l	716724	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	78
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
3			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	64
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60
5			Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
Data File : VY019367.D
Acq On : 29 Aug 2024 08:44
Operator : SY/MD
Sample : P3727-03
Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-21-VOC

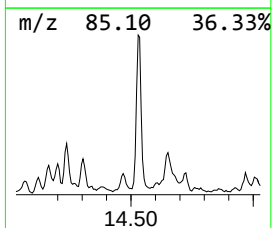
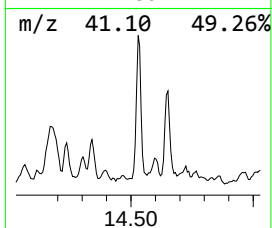
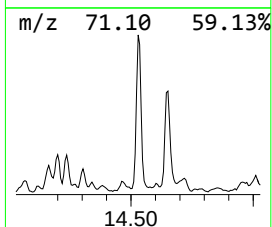
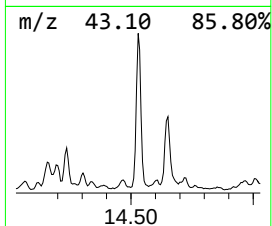
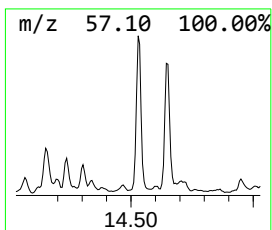
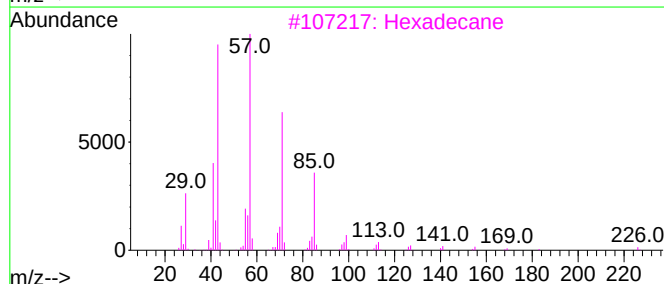
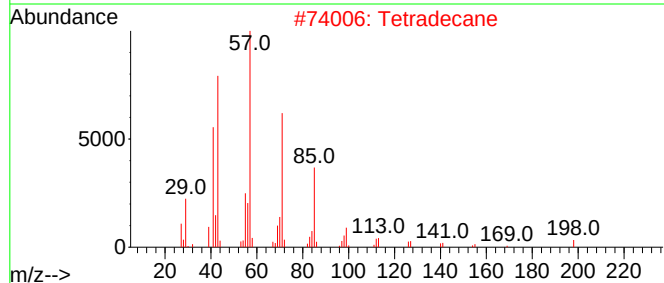
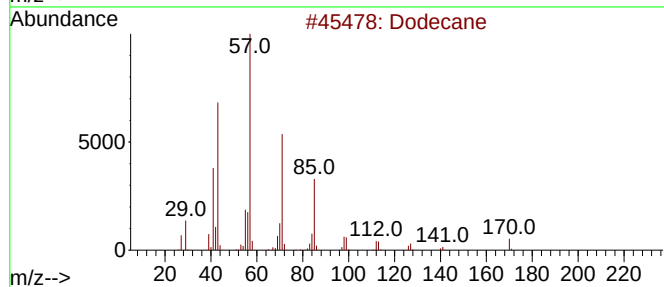
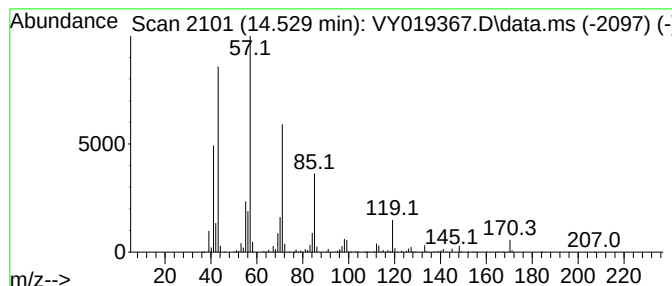
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Quant Title : SW846 8260

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

Peak Number 7 Dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	799.88 ug/l	1299040	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	95
2			Tetradecane	198	C14H30	000629-59-4	80
3			Hexadecane	226	C16H34	000544-76-3	72
4			Undecane	156	C11H24	001120-21-4	72
5			Nonane	128	C9H20	000111-84-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
Data File : VY019367.D
Acq On : 29 Aug 2024 08:44
Operator : SY/MD
Sample : P3727-03
Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-21-VOC

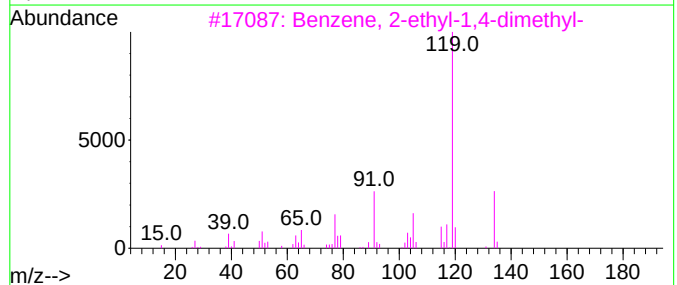
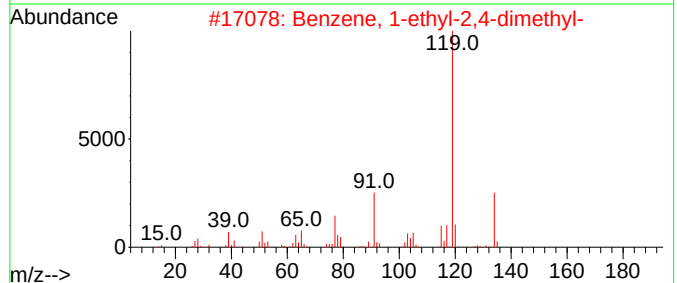
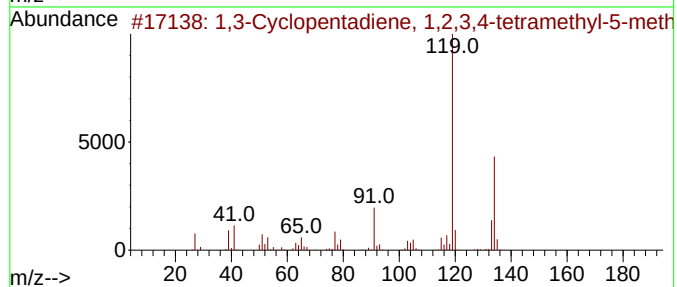
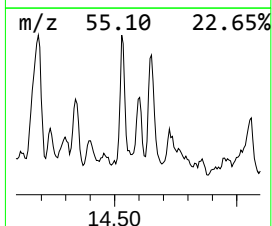
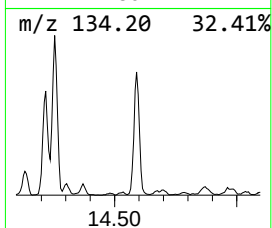
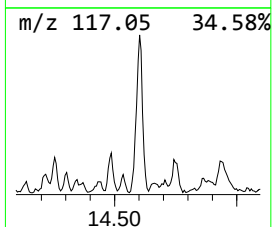
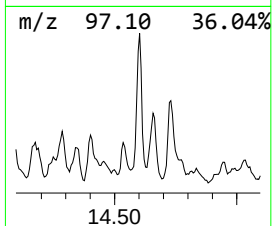
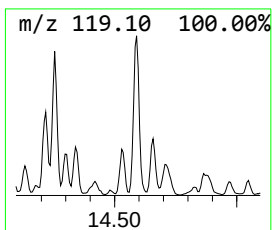
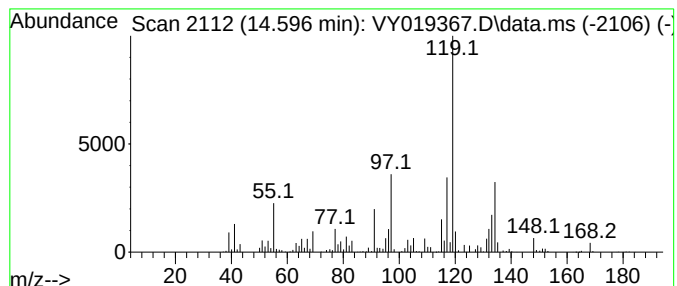
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Quant Title : SW846 8260

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

Peak Number 8 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	488.53 ug/l	793390	1,4-Dichlorobenzene-d4	13.346

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	60
4		o-Cymene	134	C10H14	000527-84-4	60
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
Data File : VY019367.D
Acq On : 29 Aug 2024 08:44
Operator : SY/MD
Sample : P3727-03
Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-21-VOC

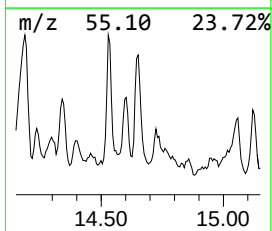
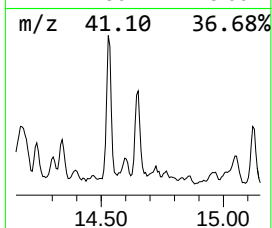
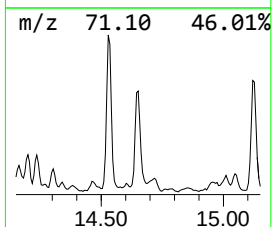
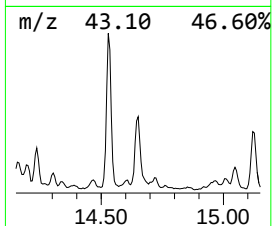
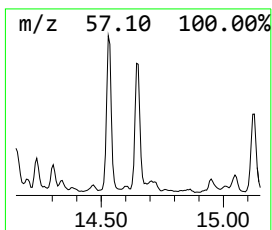
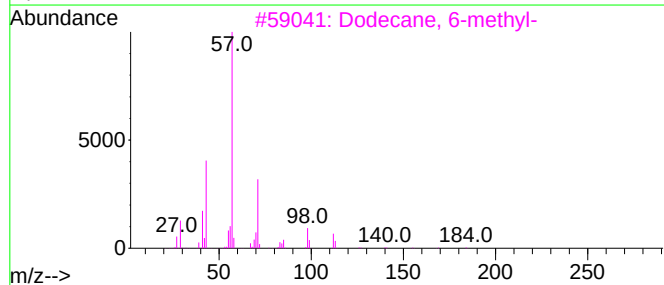
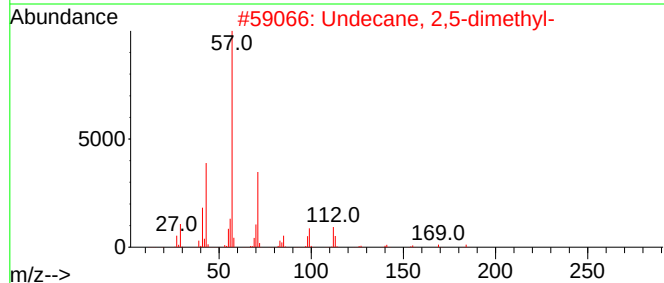
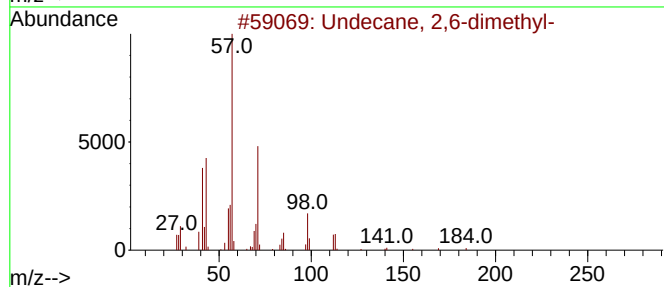
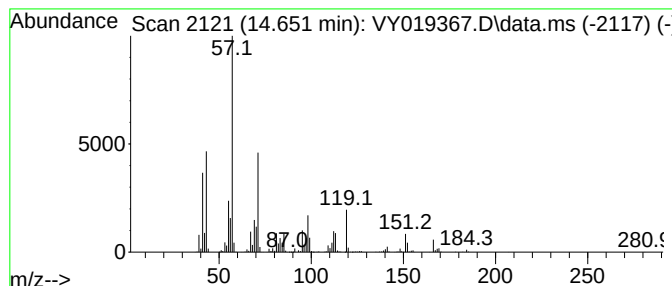
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Quant Title : SW846 8260

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

Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	703.43 ug/l	1142400	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	92
2			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	60
3			Dodecane, 6-methyl-	184	C13H28	006044-71-9	45
4			2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	38
5			Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
Data File : VY019367.D
Acq On : 29 Aug 2024 08:44
Operator : SY/MD
Sample : P3727-03
Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-21-VOC

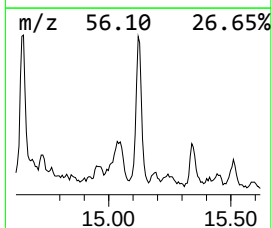
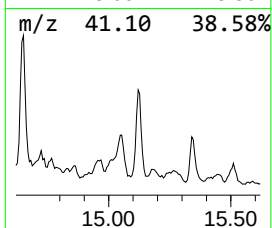
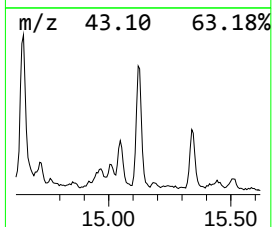
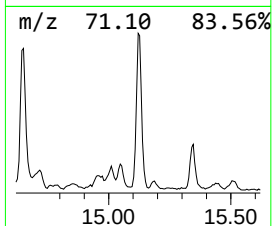
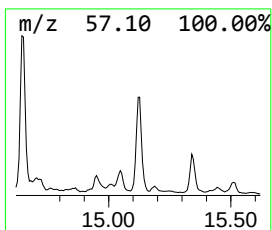
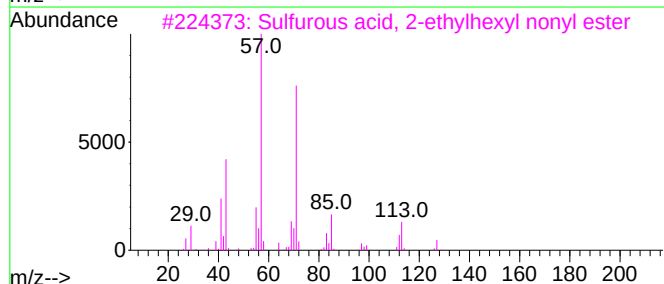
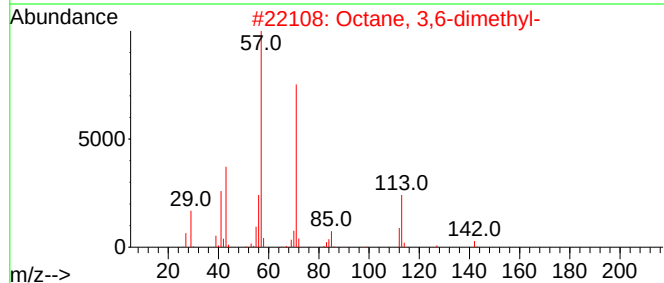
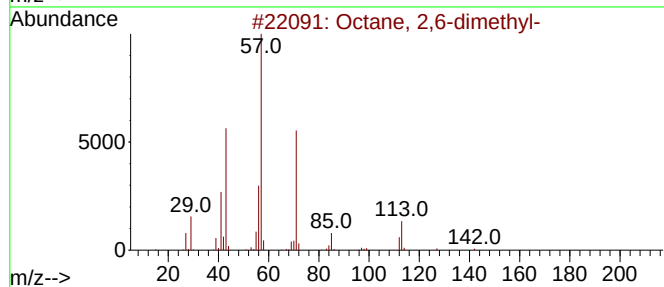
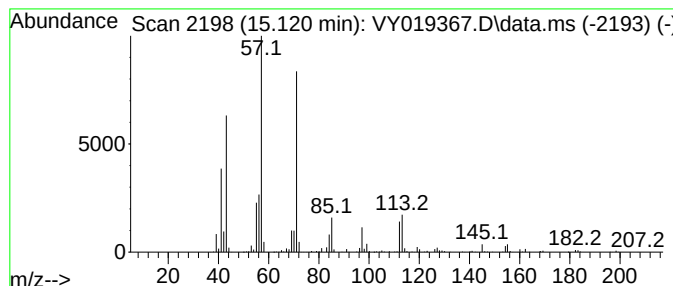
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Quant Title : SW846 8260

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

Peak Number 10 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.120	482.62 ug/l	783791	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
3			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	64
4			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5			Decane, 5-propyl-	184	C13H28	017312-62-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
Data File : VY019367.D
Acq On : 29 Aug 2024 08:44
Operator : SY/MD
Sample : P3727-03
Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-21-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Carbonic acid, ...	13.676	1136.6	ug/l	1845890	4	13.346	81202	50.0
2,6-Dimethyldecane	13.840	400.3	ug/l	650093	4	13.346	81202	50.0
Naphthalene, de...	14.175	1206.5	ug/l	1959400	4	13.346	81202	50.0
Undecane, 2-met...	14.236	385.7	ug/l	626418	4	13.346	81202	50.0
trans-Decalin, ...	14.340	441.3	ug/l	716724	4	13.346	81202	50.0
Dodecane	14.529	799.9	ug/l	1299040	4	13.346	81202	50.0
1,3-Cyclopentad...	14.596	488.5	ug/l	793390	4	13.346	81202	50.0
Undecane, 2,6-d...	14.651	703.4	ug/l	1142400	4	13.346	81202	50.0
Octane, 2,6-dim...	15.120	482.6	ug/l	783791	4	13.346	81202	50.0