

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
 Data File : VY006024.D
 Acq On : 15 Sep 2021 15:18
 Operator : SY/MD
 Sample : M3733-04
 Misc : 6.43G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SUP-UST-02-(7-10)

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\82Y091421S.M
 Title : SW846 8260

Signal : TIC: VY006024.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.185	1196	1208	1214	rBV4	31904	80742	1.14%	0.090%
2	9.959	1325	1335	1348	rBV2	59989	172580	2.43%	0.193%
3	10.179	1365	1371	1375	rBV	154822	286576	4.03%	0.320%
4	10.215	1375	1377	1385	rVB	58291	87585	1.23%	0.098%
5	10.349	1394	1399	1409	rVB5	38914	96961	1.36%	0.108%
6	10.526	1422	1428	1434	rVB	112715	205494	2.89%	0.230%
7	10.624	1437	1444	1448	rBV2	67347	153460	2.16%	0.172%
8	10.666	1448	1451	1455	rVB	57365	74713	1.05%	0.084%
9	10.715	1455	1459	1464	rVB	134755	206878	2.91%	0.231%
10	10.806	1464	1474	1480	rVB	301168	513072	7.21%	0.573%
11	10.904	1480	1490	1497	rBV	307905	608089	8.55%	0.680%
12	10.977	1497	1502	1507	rBV	159306	269757	3.79%	0.302%
13	11.038	1507	1512	1516	rVB	256183	373352	5.25%	0.417%
14	11.093	1516	1521	1526	rVB	444755	707736	9.95%	0.791%
15	11.148	1526	1530	1534	rVB	103429	145805	2.05%	0.163%
16	11.209	1534	1540	1544	rBV	567536	937735	13.18%	1.048%
17	11.276	1544	1551	1552	rBV2	375908	648745	9.12%	0.725%
18	11.380	1563	1568	1573	rBV	652258	1071626	15.07%	1.198%
19	11.477	1579	1584	1590	rBV2	131664	259841	3.65%	0.290%
20	11.569	1595	1599	1604	rBV2	139485	218151	3.07%	0.244%
21	11.630	1604	1609	1612	rBV	338454	515627	7.25%	0.576%
22	11.678	1612	1617	1622	rBV3	410880	771997	10.85%	0.863%
23	11.739	1622	1627	1631	rBV	1524942	2623958	36.89%	2.933%
24	11.782	1631	1634	1639	rVB	957378	1447704	20.35%	1.618%
25	11.843	1639	1644	1646	rBV3	131059	223353	3.14%	0.250%
26	11.879	1646	1650	1651	rBV	218976	283939	3.99%	0.317%
27	11.934	1654	1659	1664	rVB2	1393217	2162514	30.40%	2.417%
28	12.008	1664	1671	1677	rBV4	3323009	7112707	100.00%	7.950%
29	12.062	1677	1680	1683	rVB	663029	678485	9.54%	0.758%
30	12.093	1683	1685	1686	rBV	163829	139613	1.96%	0.156%
31	12.123	1686	1690	1695	rVB	3970176	5698294	80.11%	6.369%
32	12.203	1695	1703	1706	rBV4	2452015	5446174	76.57%	6.087%
33	12.245	1706	1710	1715	rVB4	3310816	6499810	91.38%	7.265%
34	12.373	1725	1731	1735	rBV3	2040810	4074090	57.28%	4.554%
35	12.416	1735	1738	1744	rVB2	2342191	3544479	49.83%	3.962%
36	12.489	1744	1750	1755	rVB4	934318	1728845	24.31%	1.932%

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Peak Location: TOP

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Peak separation: 5

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37	12.574	1755	1764	1768	rBV3	1210040	3353991	47.15%	3.749%
38	12.648	1772	1776	1783	rVB3	2298527	4522040	63.58%	5.054%
39	12.727	1783	1789	1794	rBV5	1015315	2411556	33.90%	2.695%
40	12.812	1795	1803	1808	rBV3	2942932	6372009	89.59%	7.122%
41	12.861	1808	1811	1817	rVB2	1778312	2687010	37.78%	3.003%
42	12.916	1817	1820	1821	rBV4	162348	177584	2.50%	0.198%
43	12.952	1821	1826	1829	rBV4	1390887	1940315	27.28%	2.169%
44	13.007	1829	1835	1837	rVV3	1114499	2101505	29.55%	2.349%
45	13.044	1837	1841	1847	rVV	2782077	4430034	62.28%	4.952%
46	13.105	1847	1851	1857	rVB2	469710	798857	11.23%	0.893%
47	13.166	1857	1861	1867	rBV2	727255	1029341	14.47%	1.151%
48	13.251	1867	1875	1879	rVB4	809397	2055934	28.91%	2.298%
49	13.324	1879	1887	1891	rBV	1559085	2767508	38.91%	3.093%
50	13.526	1917	1920	1923	rBV	98468	129810	1.83%	0.145%
51	13.593	1928	1931	1940	rVB	458734	751753	10.57%	0.840%
52	13.696	1941	1948	1952	rBV2	318068	605388	8.51%	0.677%
53	13.751	1952	1957	1962	rBV2	663870	1112933	15.65%	1.244%
54	13.794	1962	1964	1969	rVB3	128138	161058	2.26%	0.180%
55	13.855	1970	1974	1980	rVV5	96484	166104	2.34%	0.186%
56	13.922	1980	1985	1989	rVV4	82436	197457	2.78%	0.221%
57	13.971	1989	1993	1998	rVV	488177	726369	10.21%	0.812%
58	14.019	1998	2001	2005	rVB3	54270	86123	1.21%	0.096%
59	14.074	2005	2010	2016	rVB4	142959	269759	3.79%	0.302%
60	14.141	2016	2021	2027	rVB5	74585	181796	2.56%	0.203%
61	14.269	2037	2042	2044	rBV3	98565	180313	2.54%	0.202%
62	14.379	2056	2060	2064	rBV3	55470	89996	1.27%	0.101%
63	14.672	2103	2108	2115	rBV3	48259	89507	1.26%	0.100%

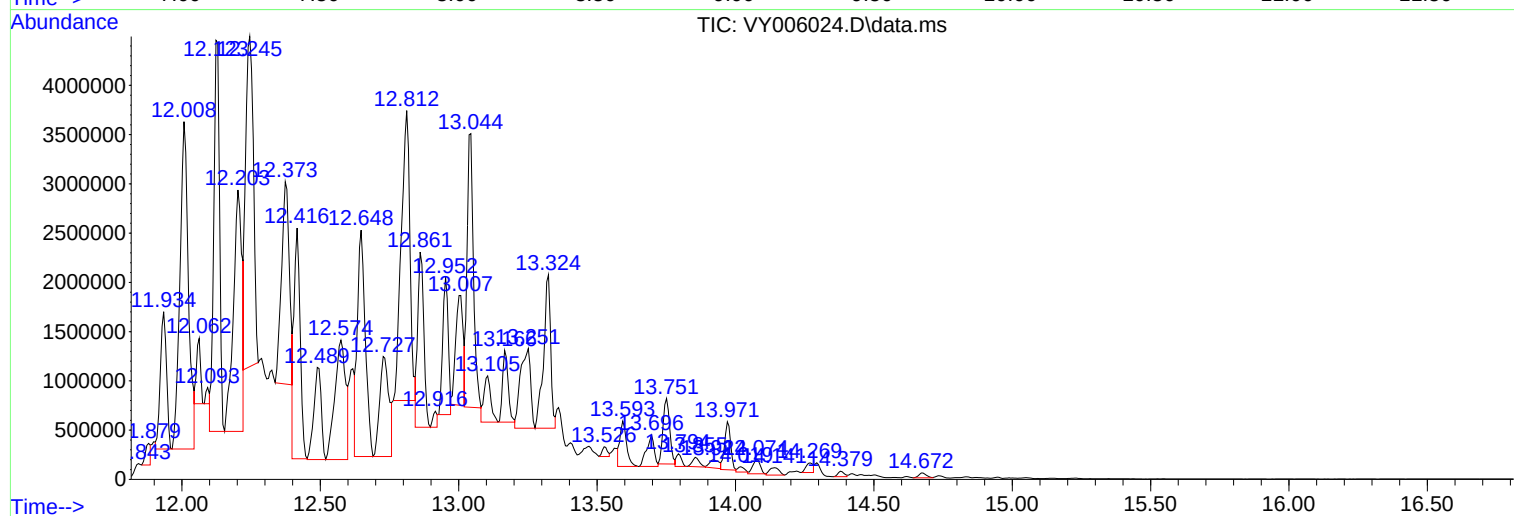
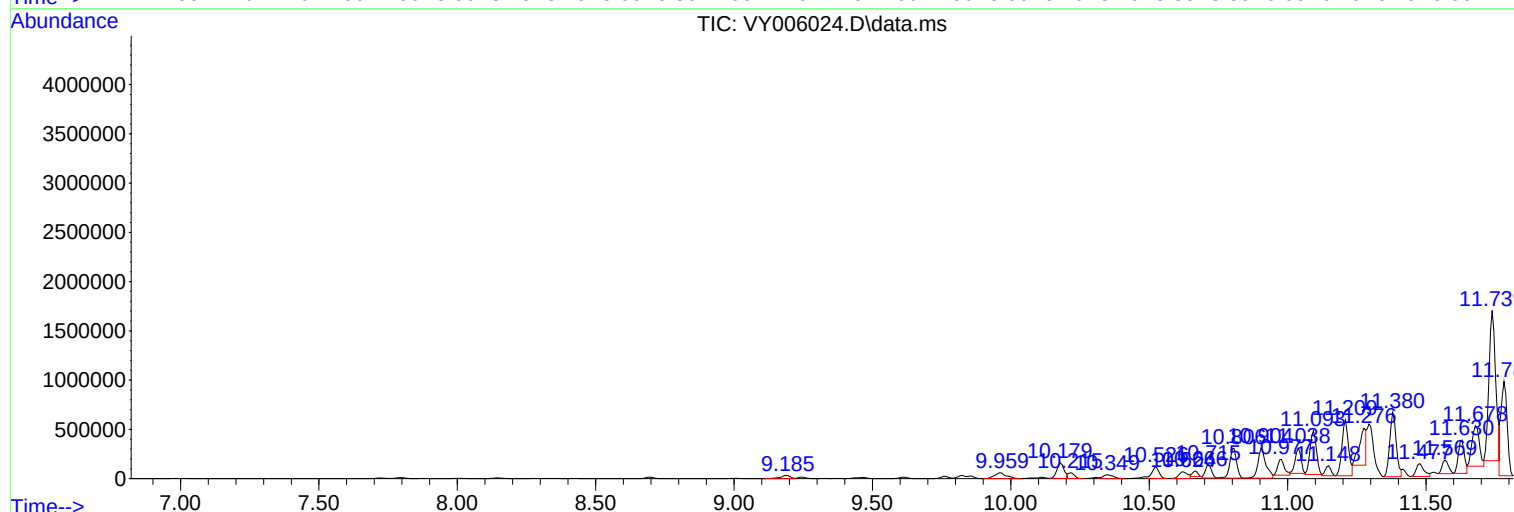
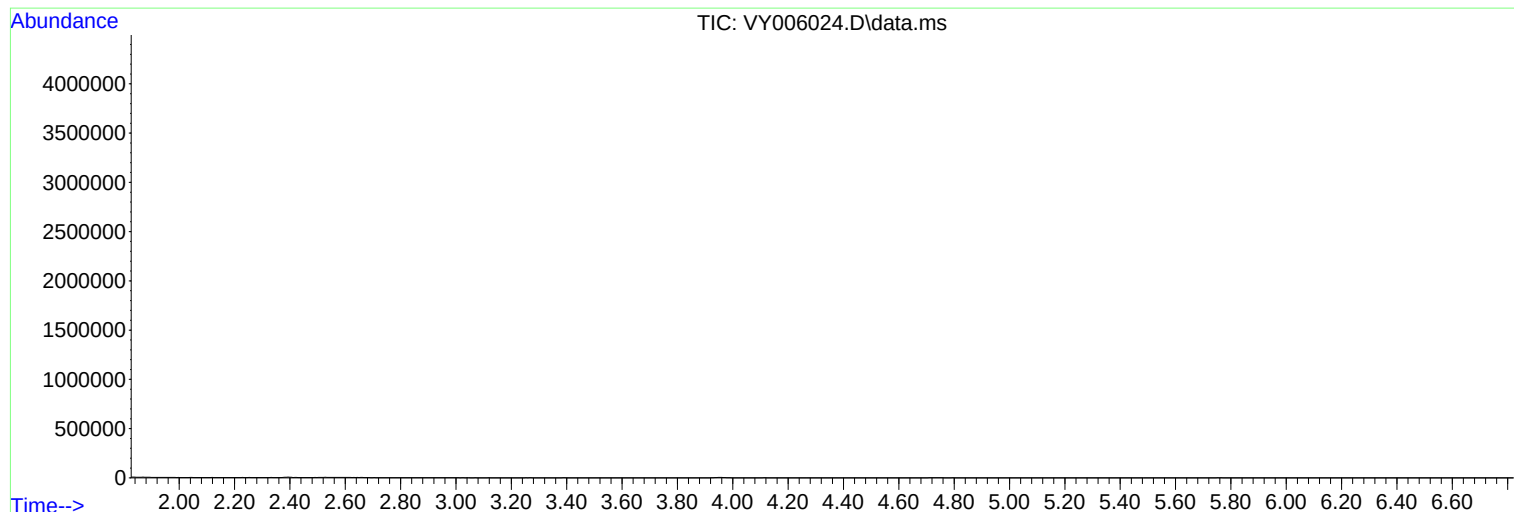
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Instrument :
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ClientSampleId :
SUP-UST-02-(7-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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



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Instrument :
MSVOA_Y
ClientSampleId :
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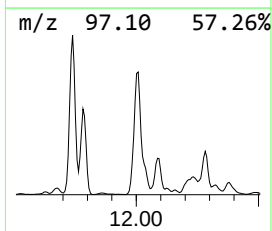
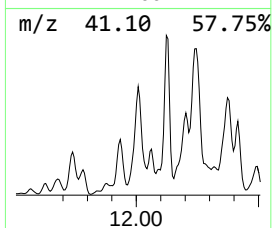
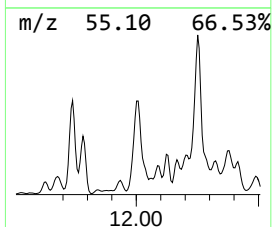
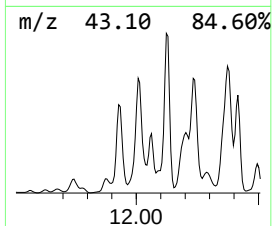
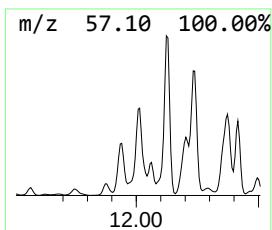
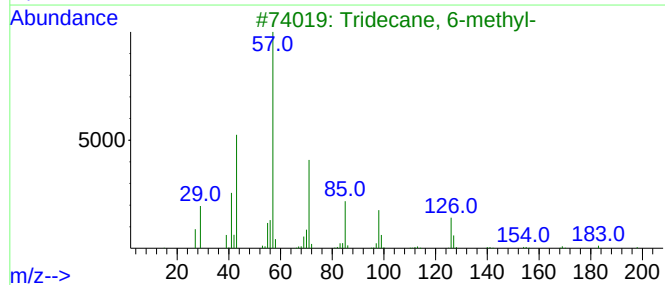
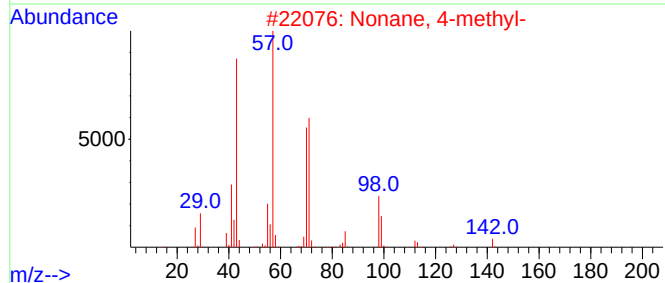
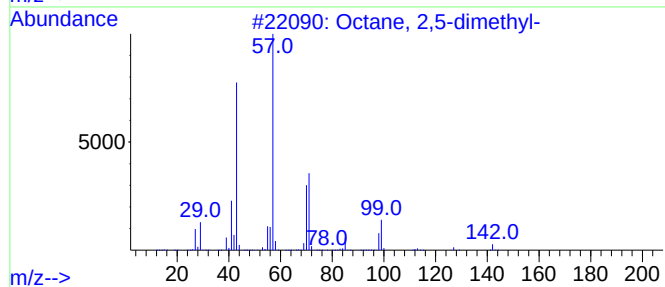
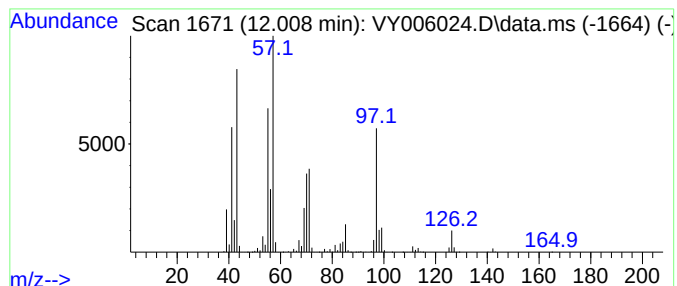
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown12.008 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.008	1368.67 ug/l	7112710	Chlorobenzene-d5	11.495

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-			142	C10H22	015869-89-3	49
2	Nonane, 4-methyl-			142	C10H22	017301-94-9	47
3	Tridecane, 6-methyl-			198	C14H30	013287-21-3	43
4	Octane, 2,2,6-trimethyl-			156	C11H24	062016-28-8	38
5	Butane, 2,2-dimethyl-			86	C6H14	000075-83-2	35



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ALS Vial : 14 Sample Multiplier: 1

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MSVOA_Y
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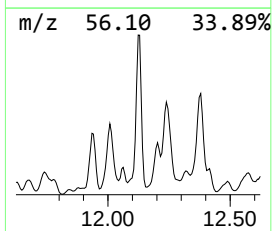
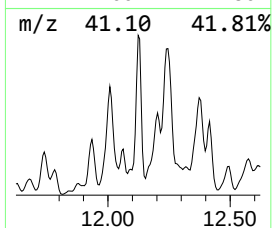
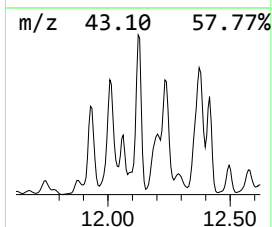
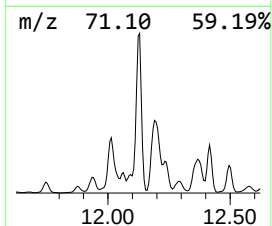
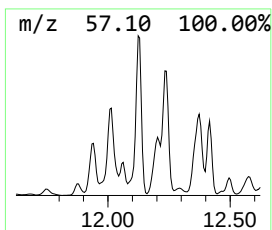
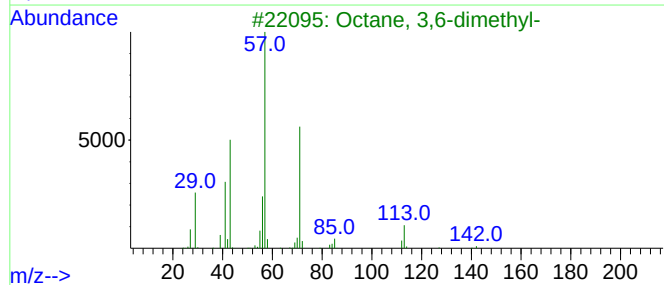
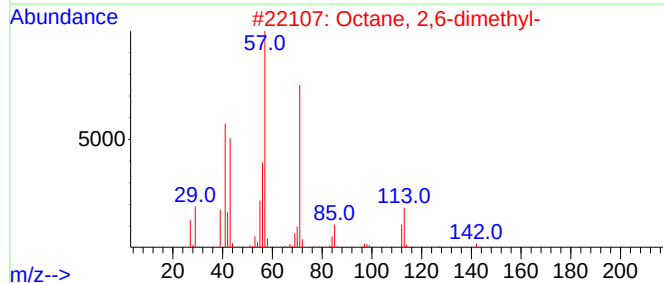
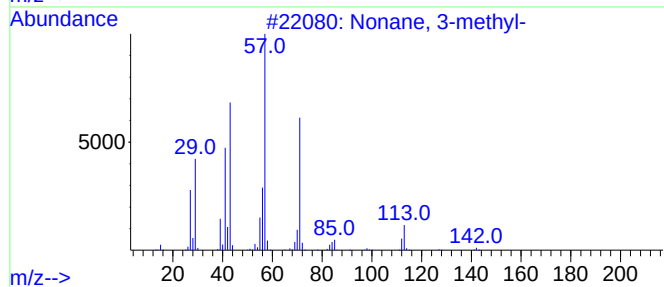
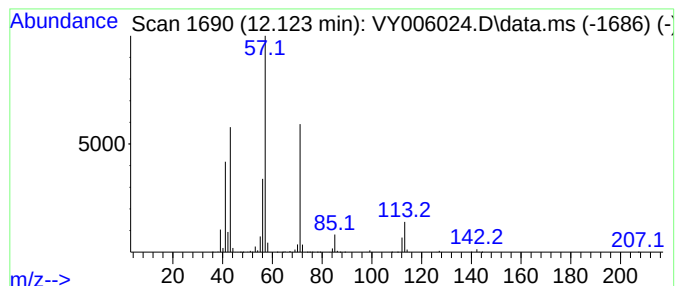
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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

Peak Number 2 Nonane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.123	1096.50 ug/l	5698290	Chlorobenzene-d5	11.495

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
4			Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	64
5			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53



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Misc : 6.43G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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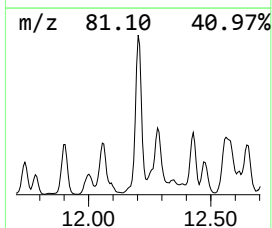
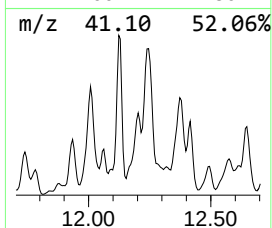
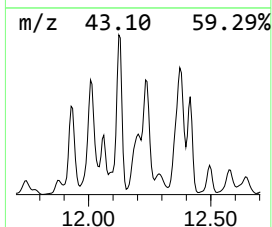
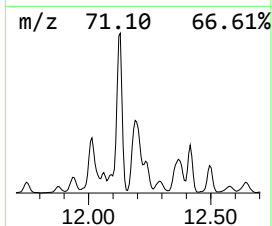
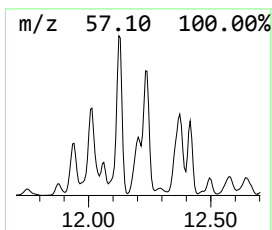
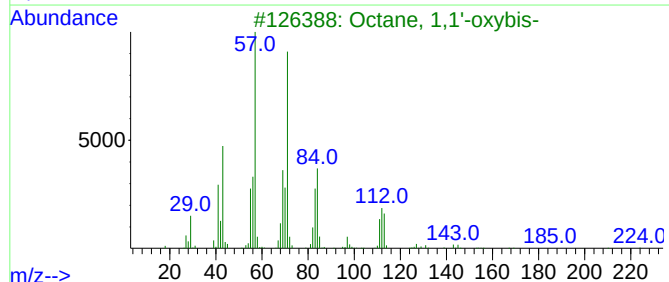
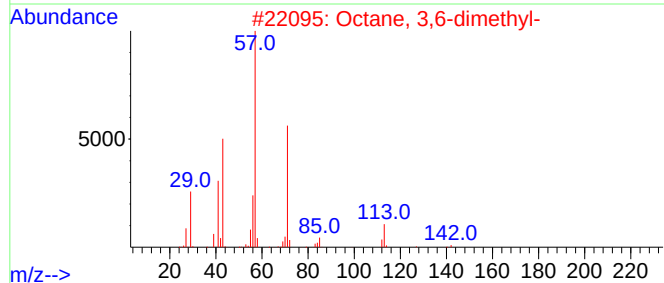
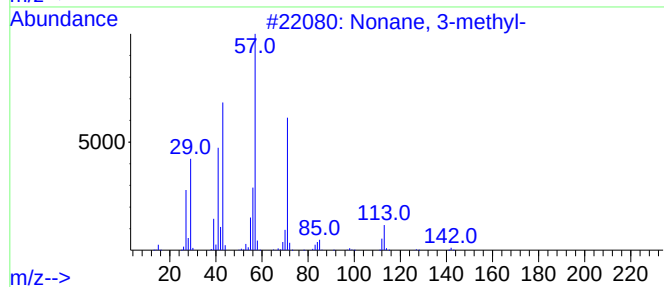
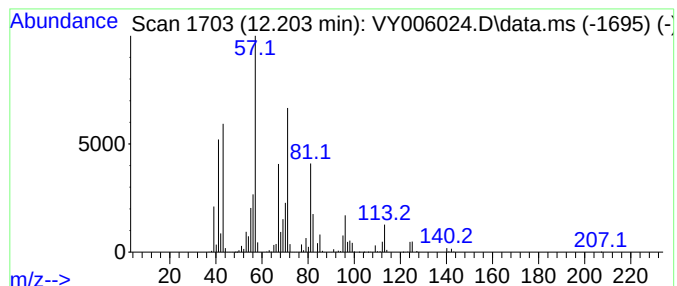
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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

Peak Number 3 Octane, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.203	1047.98 ug/l	5446170	Chlorobenzene-d5	11.495

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	55
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	55
3			Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	50
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	49
5			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	49



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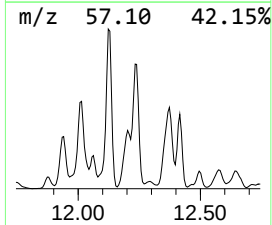
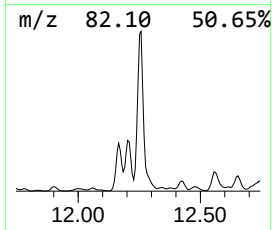
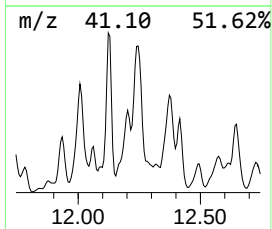
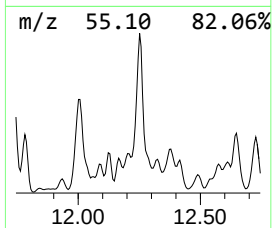
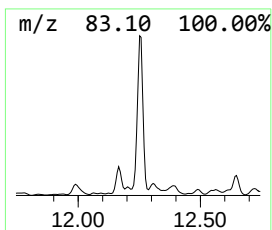
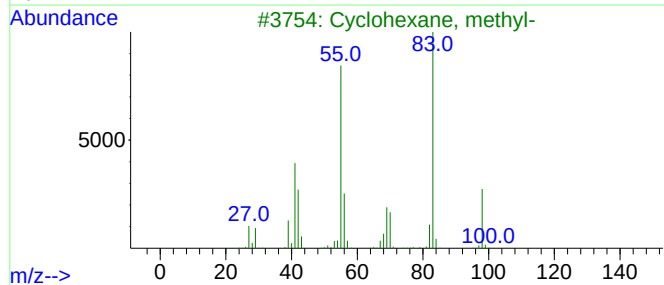
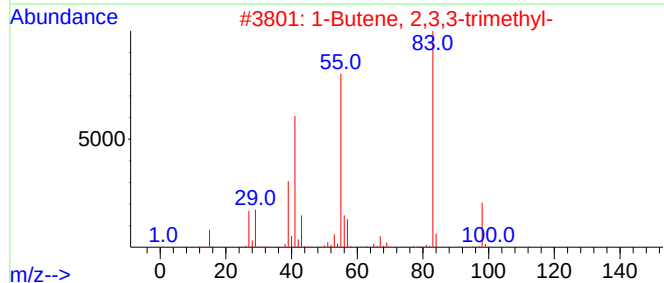
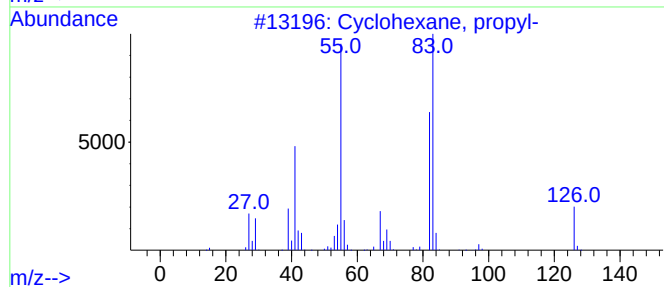
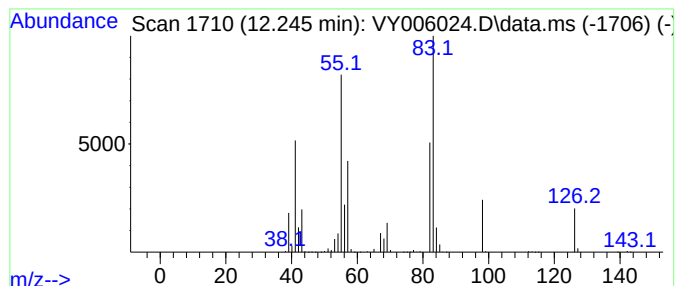
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.245	1250.73 ug/l	6499810	Chlorobenzene-d5	11.495

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2			1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	58
3			Cyclohexane, methyl-	98	C7H14	000108-87-2	50
4			2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	50
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006024.D
Acq On : 15 Sep 2021 15:18
Operator : SY/MD
Sample : M3733-04
Misc : 6.43G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-02-(7-10)

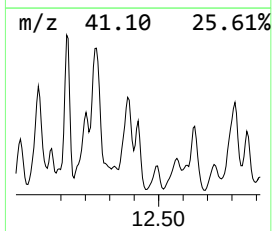
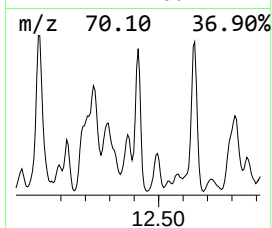
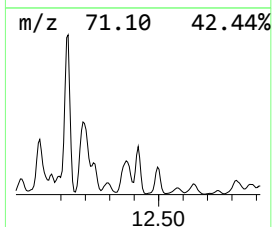
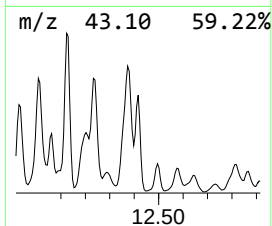
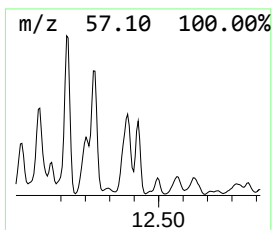
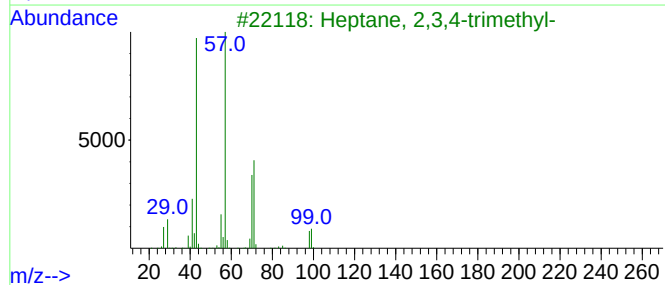
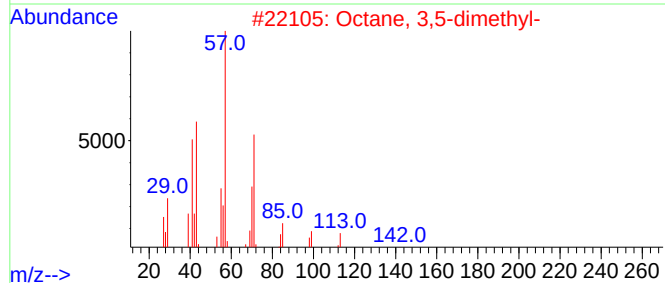
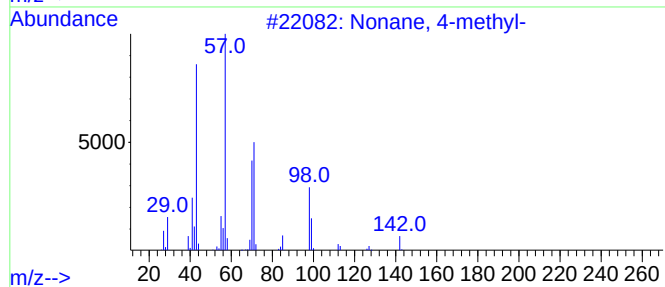
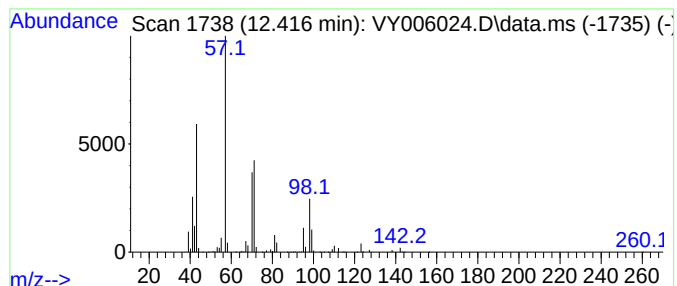
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Quant Title : SW846 8260

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

Peak Number 5 Nonane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	682.05 ug/l	3544480	Chlorobenzene-d5	11.495

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	72
2			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	59
3			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	53
4			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50
5			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006024.D
Acq On : 15 Sep 2021 15:18
Operator : SY/MD
Sample : M3733-04
Misc : 6.43G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-02-(7-10)

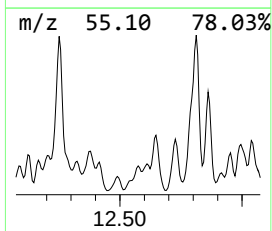
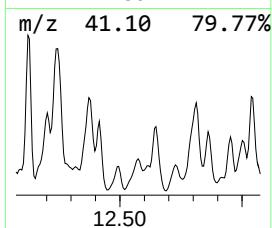
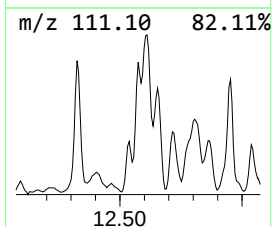
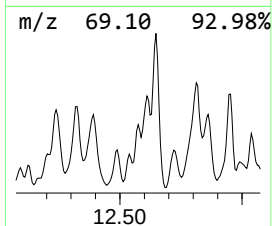
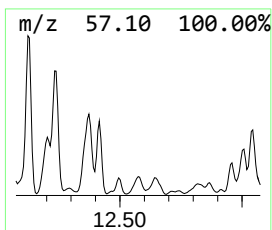
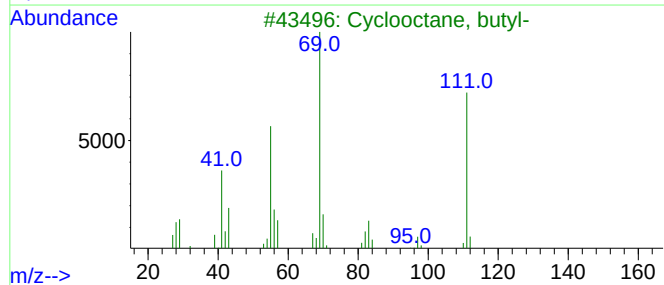
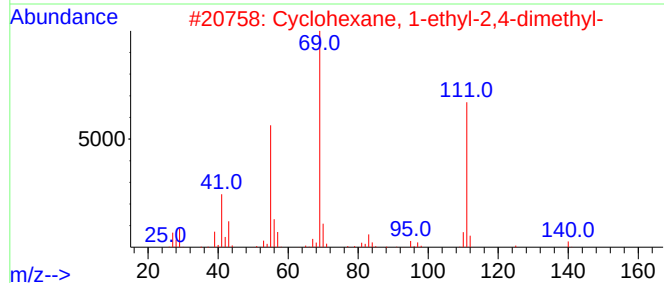
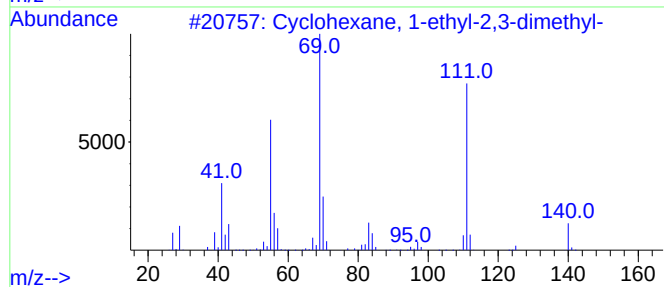
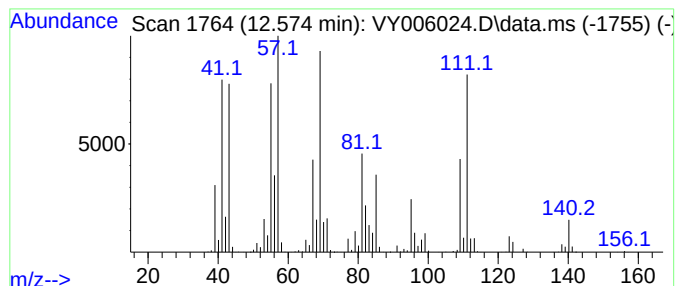
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Quant Title : SW846 8260

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

Peak Number 6 unknown12.575 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.575	1291.88 ug/l	3353990	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	45
2			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	43
3			Cyclooctane, butyl-	168	C12H24	016538-93-5	38
4			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	38
5			Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	069147-03-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006024.D
Acq On : 15 Sep 2021 15:18
Operator : SY/MD
Sample : M3733-04
Misc : 6.43G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-02-(7-10)

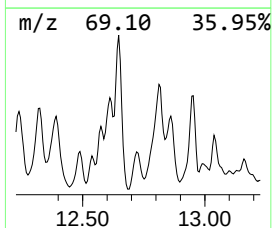
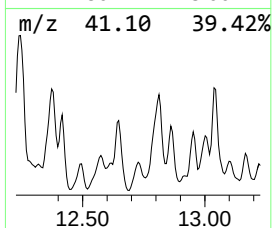
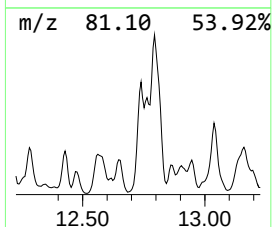
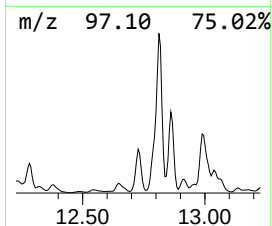
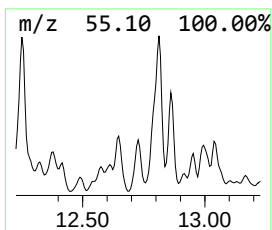
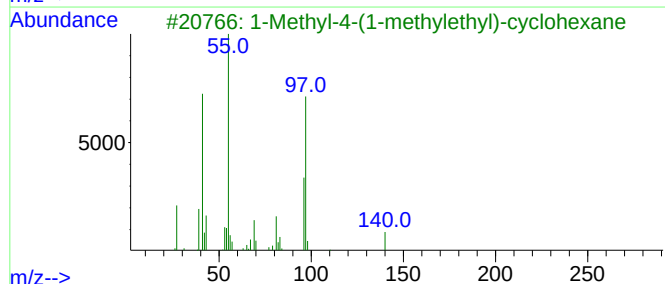
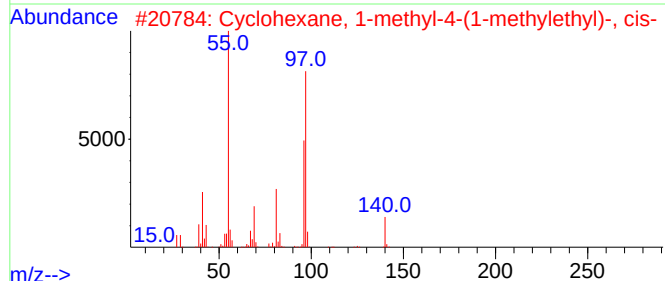
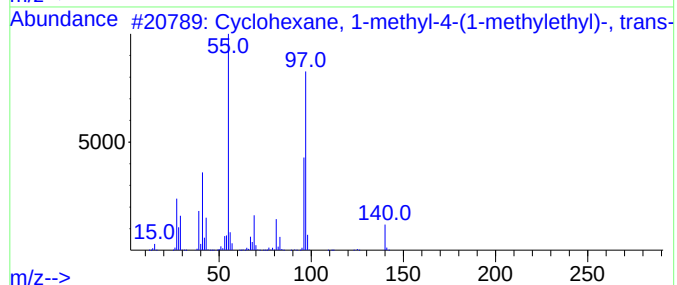
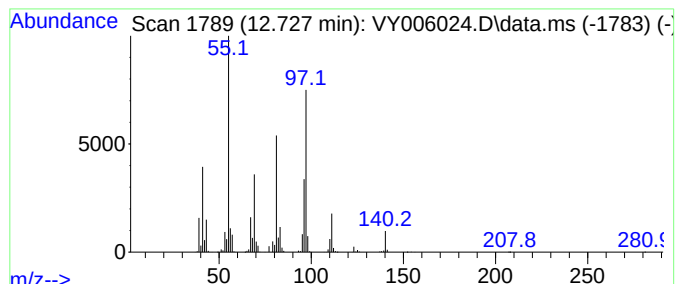
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Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.727	928.88 ug/l	2411560	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	83
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	83
3			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	80
4			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	80
5			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006024.D
Acq On : 15 Sep 2021 15:18
Operator : SY/MD
Sample : M3733-04
Misc : 6.43G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-02-(7-10)

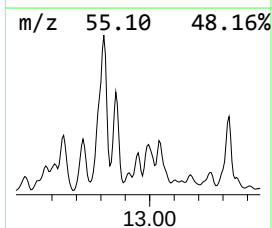
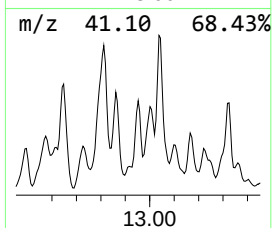
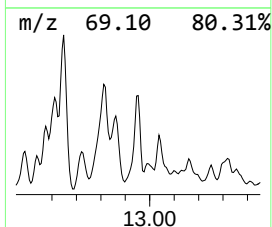
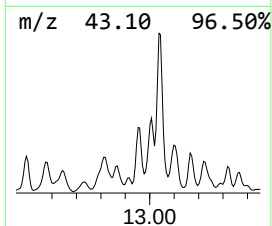
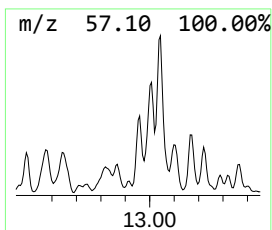
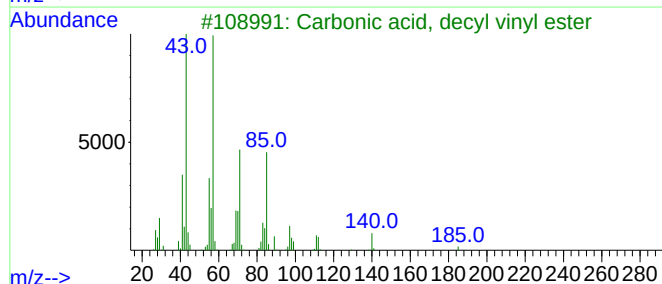
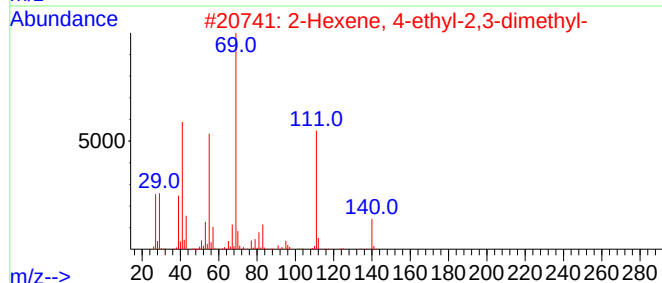
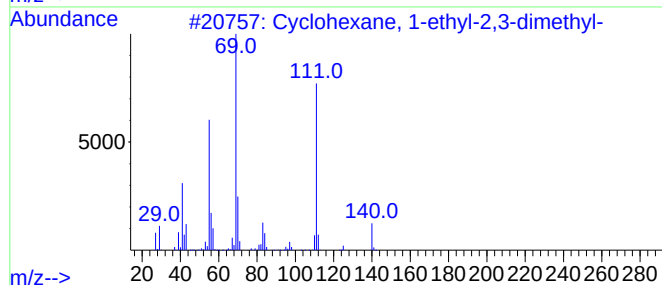
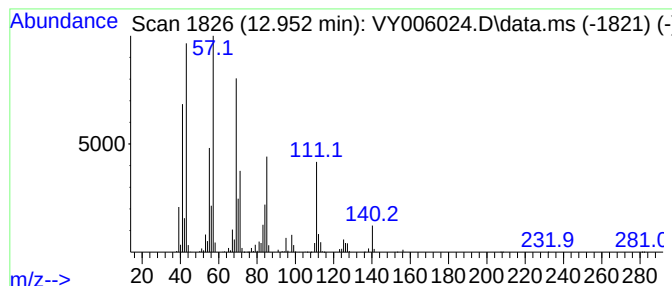
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Quant Title : SW846 8260

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

Peak Number 8 unknown12.953 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.953	747.37 ug/l	1940320	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	46
2			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	43
3			Carbonic acid, decyl vinyl ester	228	C13H24O3	1000383-25-7	43
4			1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	41
5			2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006024.D
Acq On : 15 Sep 2021 15:18
Operator : SY/MD
Sample : M3733-04
Misc : 6.43G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-02-(7-10)

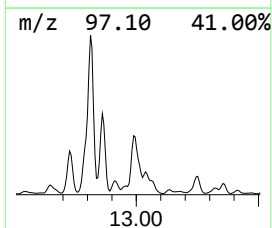
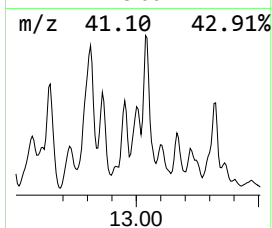
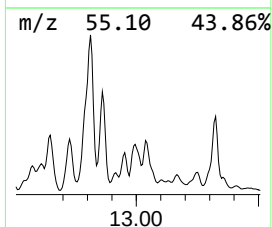
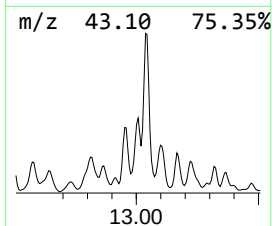
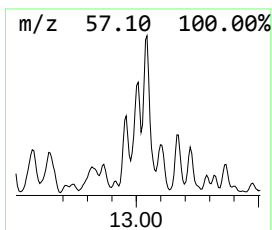
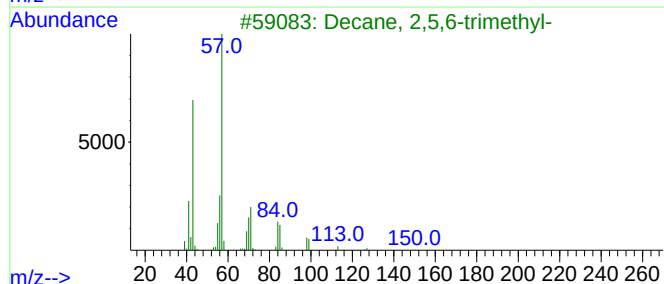
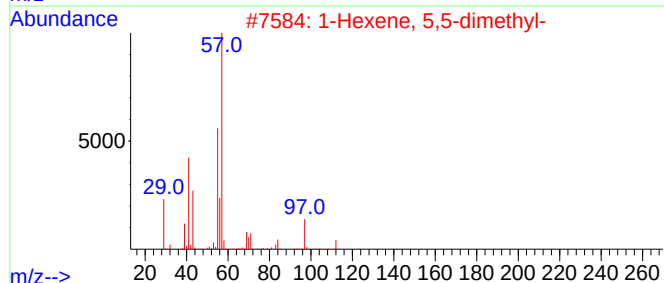
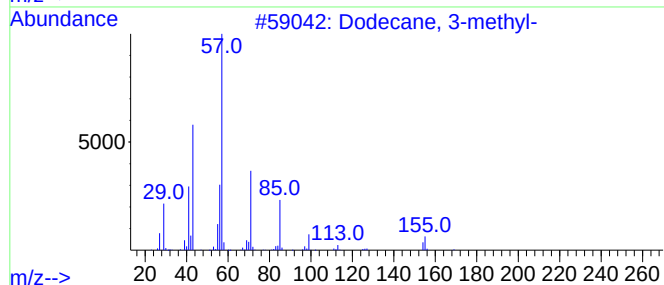
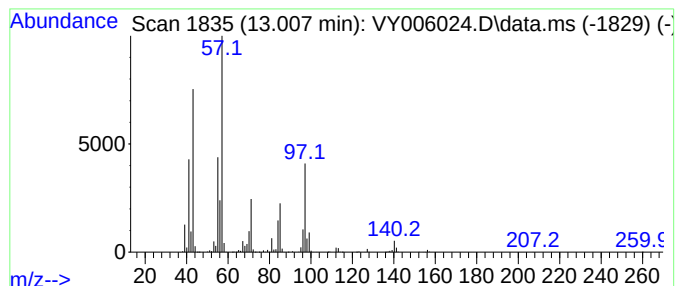
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Quant Title : SW846 8260

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

Peak Number 9 unknown13.007 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.007	809.45 ug/l	2101510	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 3-methyl-	184	C13H28	017312-57-1	47
2			1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	47
3			Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	43
4			Decane, 5-methyl-	156	C11H24	013151-35-4	43
5			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006024.D
Acq On : 15 Sep 2021 15:18
Operator : SY/MD
Sample : M3733-04
Misc : 6.43G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-02-(7-10)

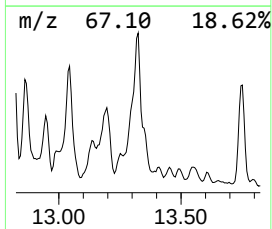
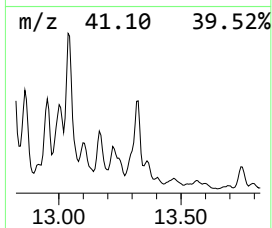
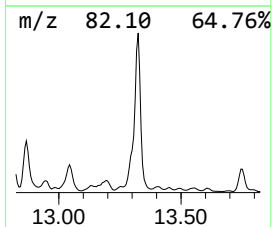
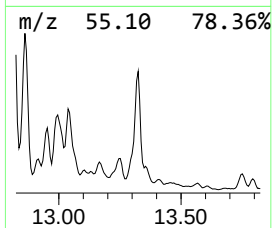
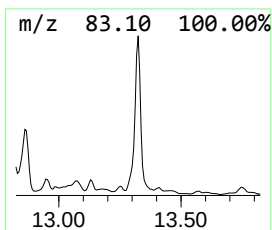
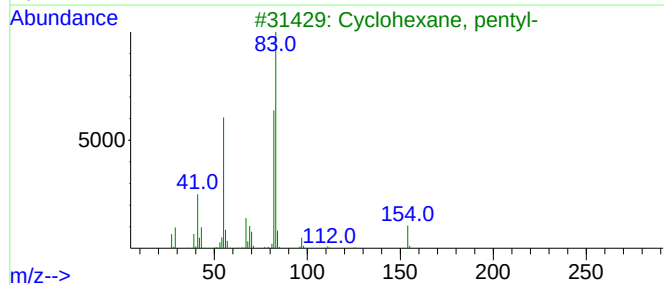
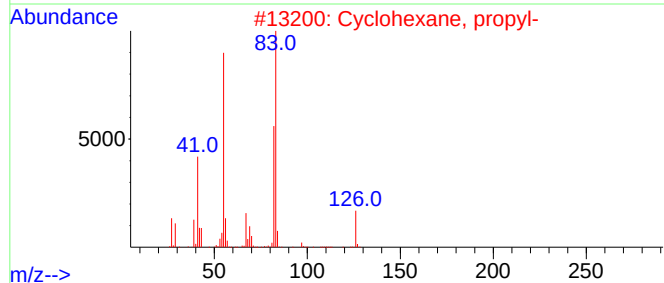
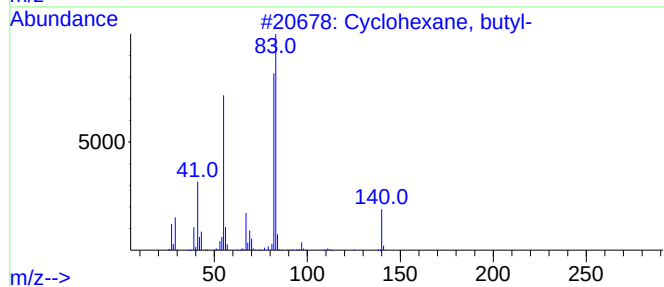
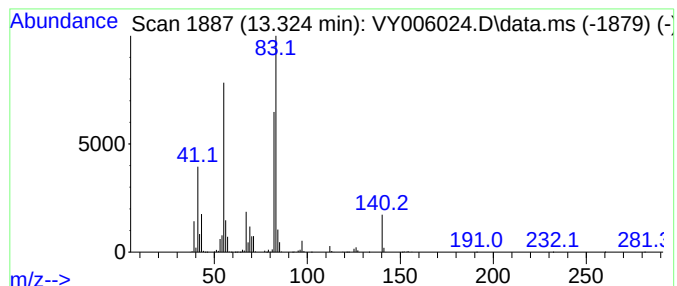
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Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.324	1065.98 ug/l	2767510	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	97
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	90
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	90
4			Cyclohexane, octyl-	196	C14H28	001795-15-9	86
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
Data File : VY006024.D
Acq On : 15 Sep 2021 15:18
Operator : SY/MD
Sample : M3733-04
Misc : 6.43G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SUP-UST-02-(7-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.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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Nonane, 3-methyl-	12.123	1096.5	ug/l	5698290	3	11.495	259841	50.0
Octane, 3,6-dim...	12.203	1048.0	ug/l	5446170	3	11.495	259841	50.0
Cyclohexane, pr...	12.245	1250.7	ug/l	6499810	3	11.495	259841	50.0
Nonane, 4-methyl-	12.416	682.0	ug/l	3544480	3	11.495	259841	50.0
unknown12.575	12.575	1291.9	ug/l	3353990	4	13.428	129810	50.0
Cyclohexane, 1-...	12.727	928.9	ug/l	2411560	4	13.428	129810	50.0
unknown12.953	12.953	747.4	ug/l	1940320	4	13.428	129810	50.0
unknown13.007	13.007	809.5	ug/l	2101510	4	13.428	129810	50.0
Cyclohexane, bu...	13.324	1066.0	ug/l	2767510	4	13.428	129810	50.0