

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001121.D
 Acq On : 30 Dec 2019 13:33
 Operator : SY/MD
 Sample : K6462-01
 Misc : 5.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 K500-1

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.797	986	994	1003	rVB4	730796	2105404	1.01%	0.110%
2	8.559	1110	1119	1134	rBV	1346325	3046020	1.45%	0.159%
3	9.193	1208	1223	1231	rBV	11433986	29912843	14.28%	1.561%
4	9.376	1242	1253	1260	rBV	1881610	3945739	1.88%	0.206%
5	9.474	1260	1269	1282	rVB	2397500	5852033	2.79%	0.305%
6	9.620	1282	1293	1305	rBV2	2897688	6793431	3.24%	0.355%
7	9.772	1305	1318	1322	rBV	1817695	4384243	2.09%	0.229%
8	9.833	1322	1328	1341	rVB2	9589951	31807230	15.18%	1.660%
9	9.974	1341	1351	1364	rVB	10092110	31543372	15.06%	1.646%
10	10.108	1364	1373	1379	rBV3	2243127	5899989	2.82%	0.308%
11	10.187	1379	1386	1401	rVB2	15840092	55254230	26.38%	2.884%
12	10.315	1401	1407	1410	rBV	5359051	11101784	5.30%	0.579%
13	10.382	1410	1418	1429	rVB5	19626519	63565441	30.35%	3.318%
14	10.534	1431	1443	1451	rVB2	10586223	29804470	14.23%	1.556%
15	10.632	1451	1459	1469	rBV2	14045717	39212434	18.72%	2.047%
16	10.723	1469	1474	1483	rVB2	6498380	15991782	7.63%	0.835%
17	10.821	1483	1490	1501	rBV2	9218570	33366126	15.93%	1.742%
18	10.925	1501	1507	1513	rBV2	9081349	25361528	12.11%	1.324%
19	11.022	1513	1523	1524	rBV6	5571077	13865576	6.62%	0.724%
20	11.053	1524	1528	1532	rVV	10071730	19997623	9.55%	1.044%
21	11.108	1532	1537	1549	rVB3	13772216	40118095	19.15%	2.094%
22	11.217	1549	1555	1559	rBV4	7022420	16748689	8.00%	0.874%
23	11.303	1561	1569	1579	rVB4	33056539	111251794	53.11%	5.807%
24	11.406	1579	1586	1603	rVB	23432521	77170466	36.84%	4.028%
25	11.565	1604	1612	1613	rBV3	3881588	8389789	4.01%	0.438%
26	11.607	1613	1619	1623	rBV2	9301702	22005464	10.51%	1.149%
27	11.735	1629	1640	1648	rBV6	48251528	209472478	100.00%	10.933%
28	11.876	1658	1663	1664	rBV4	1499377	2475006	1.18%	0.129%
29	11.955	1671	1676	1680	rVB2	6087884	11568637	5.52%	0.604%
30	12.040	1680	1690	1700	rBV4	49885115	168758694	80.56%	8.808%
31	12.144	1702	1707	1712	rVB	11409140	21844753	10.43%	1.140%
32	12.223	1714	1720	1722	rVV2	11547718	22684216	10.83%	1.184%
33	12.260	1723	1726	1736	rVB5	16759426	40509623	19.34%	2.114%
34	12.345	1736	1740	1743	rBV	5032055	8992248	4.29%	0.469%

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35	12.546	1764	1773	1784	rBV3	12845448	32414627	15.47%	1.692%
36	12.674	1787	1794	1800	rVB2	12741981	33296547	15.90%	1.738%
37	12.754	1800	1807	1811	rBV2	46515447	125278678	59.81%	6.539%
38	12.827	1815	1819	1824	rVV2	50309867	103235592	49.28%	5.388%
39	12.876	1824	1827	1833	rVB2	8787743	13882908	6.63%	0.725%
40	12.985	1833	1845	1852	rBV	29043113	67800334	32.37%	3.539%
41	13.052	1852	1856	1862	rVB2	11386051	21038731	10.04%	1.098%
42	13.138	1862	1870	1879	rBV2	47120131	110938932	52.96%	5.790%
43	13.260	1886	1890	1894	rVB3	6435456	9797995	4.68%	0.511%
44	13.321	1894	1900	1904	rVV3	11088053	20054090	9.57%	1.047%
45	13.369	1904	1908	1912	rVV3	4058980	6680328	3.19%	0.349%
46	13.461	1916	1923	1928	rBV	19080831	32136781	15.34%	1.677%
47	13.503	1928	1930	1934	rVB3	2179600	2341691	1.12%	0.122%
48	13.564	1935	1940	1941	rBV2	1746810	2905221	1.39%	0.152%
49	13.595	1942	1945	1946	rVV	4012790	4886892	2.33%	0.255%
50	13.631	1946	1951	1954	rVV2	22007339	37893244	18.09%	1.978%
51	13.668	1954	1957	1966	rVB3	10758986	23044293	11.00%	1.203%
52	13.753	1966	1971	1976	rBV2	11980311	18437539	8.80%	0.962%
53	13.827	1978	1983	1989	rVB	3526497	5457274	2.61%	0.285%
54	13.888	1989	1993	1995	rBV	4046038	5525962	2.64%	0.288%
55	13.918	1995	1998	2002	rVB	4058021	5584786	2.67%	0.291%
56	13.973	2002	2007	2012	rVB	5734966	8421291	4.02%	0.440%
57	14.034	2012	2017	2020	rVB	1726271	2505323	1.20%	0.131%
58	14.083	2020	2025	2030	rVB	6698024	10583576	5.05%	0.552%
59	14.211	2041	2046	2050	rBV3	1225874	2315762	1.11%	0.121%
60	14.259	2050	2054	2057	rBV3	1585871	2384958	1.14%	0.124%
61	14.333	2063	2066	2070	rVB	1948616	2639298	1.26%	0.138%
62	14.564	2100	2104	2109	rBV2	1543990	2572201	1.23%	0.134%
63	14.686	2117	2124	2129	rBV3	2214254	4472574	2.14%	0.233%
64	14.832	2139	2148	2157	rBV	1585152	2567619	1.23%	0.134%

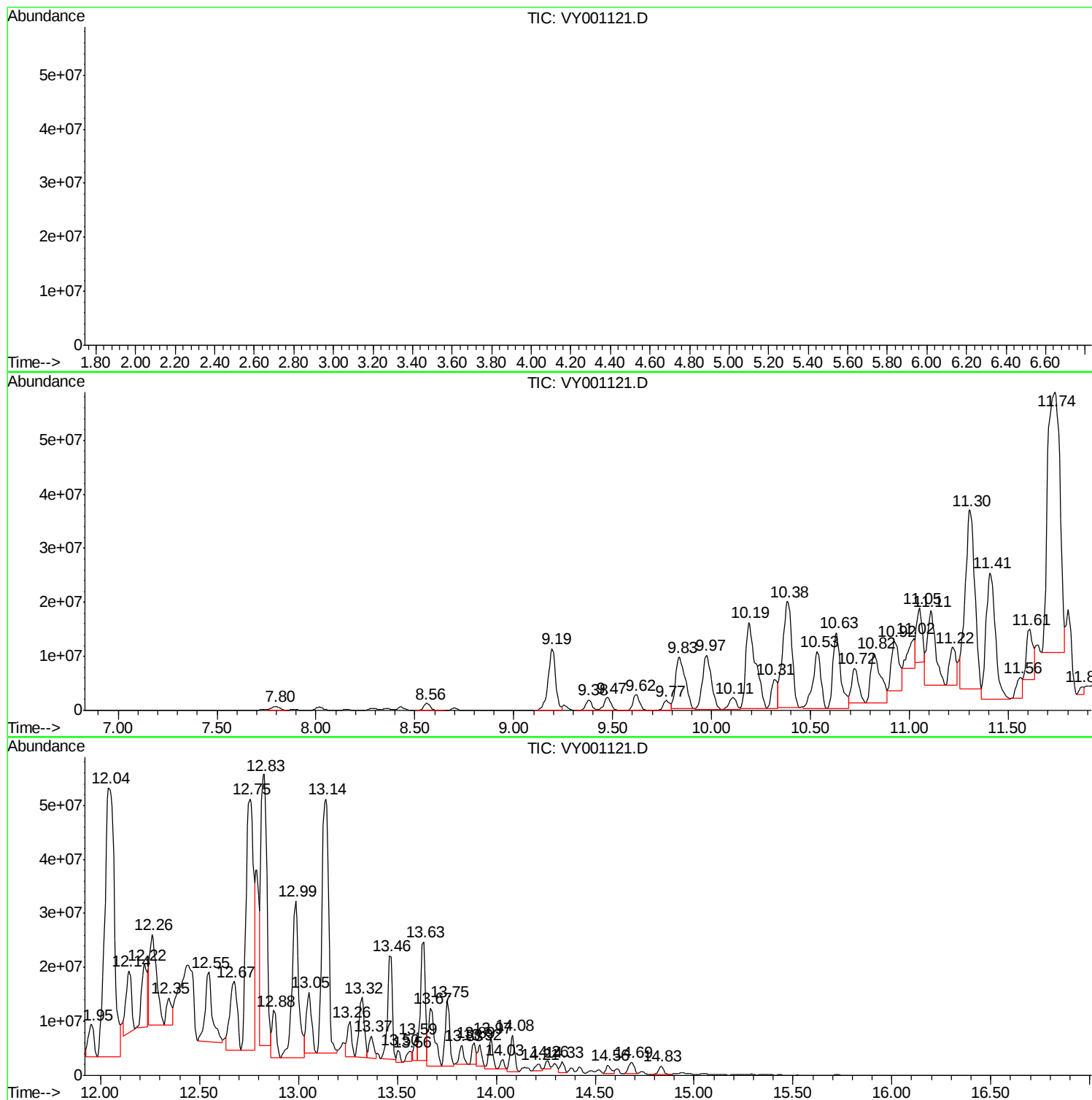
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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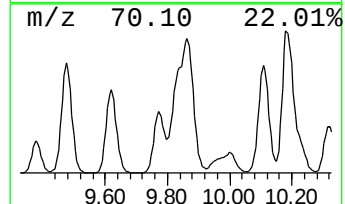
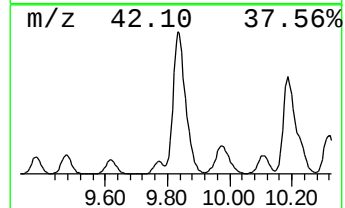
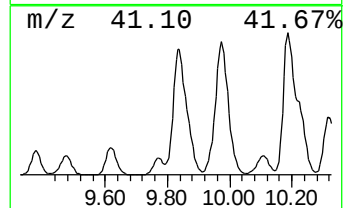
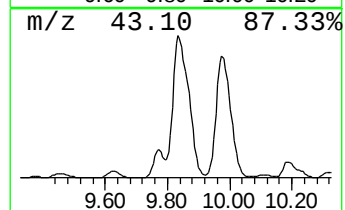
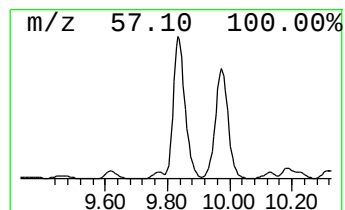
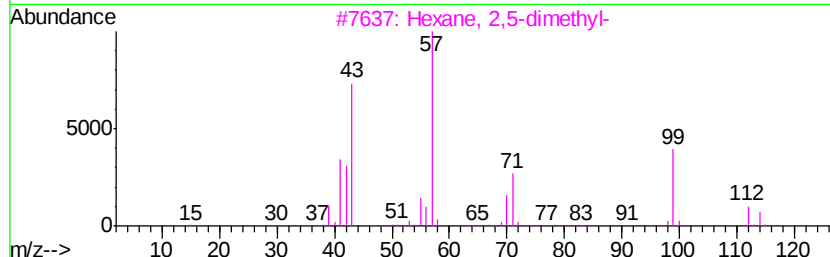
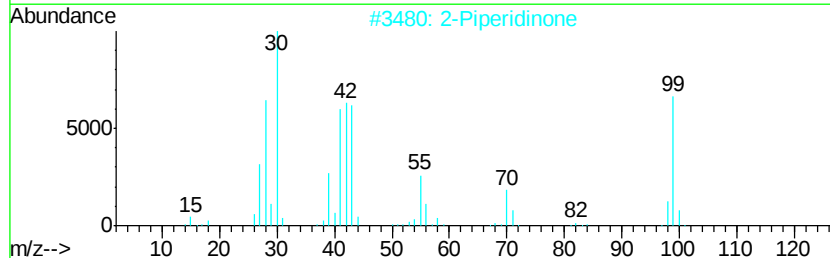
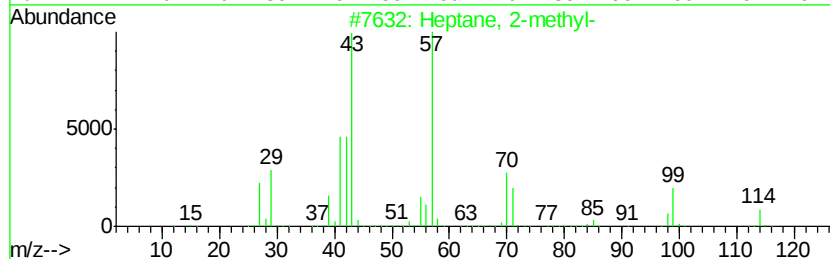
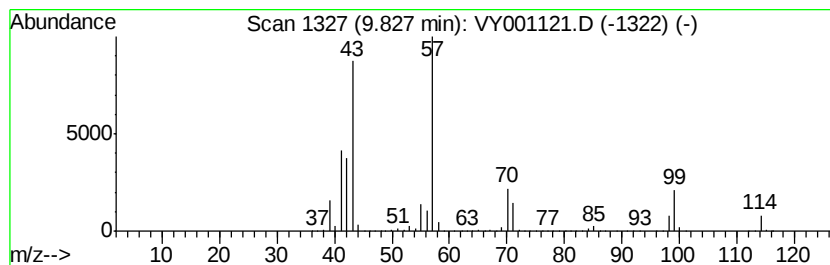
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Heptane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	522.11 ug/l	31807200	1,4-Difluorobenzene	8.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2		2-Piperidinone	99	C5H9NO	000675-20-7	58
3		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	47
5		2,5-Hexanedione	114	C6H10O2	000110-13-4	38



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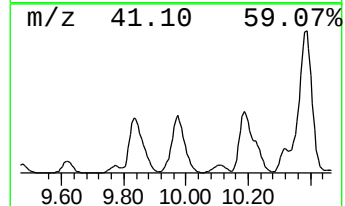
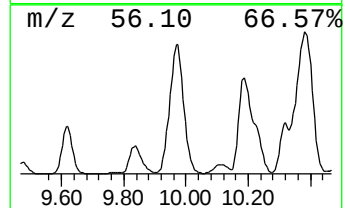
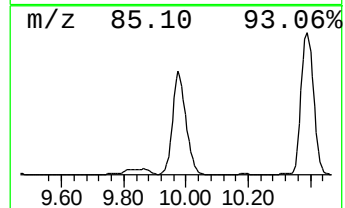
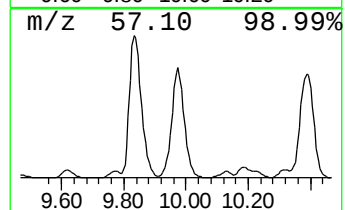
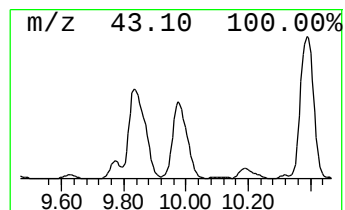
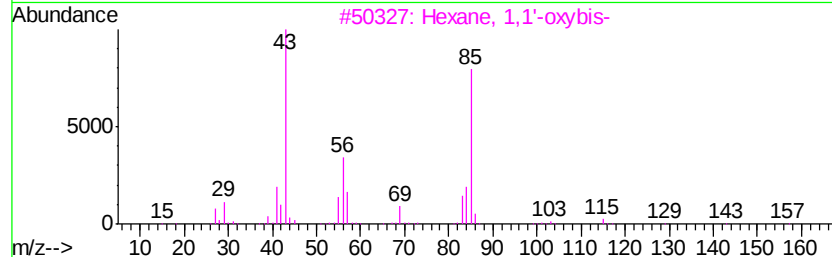
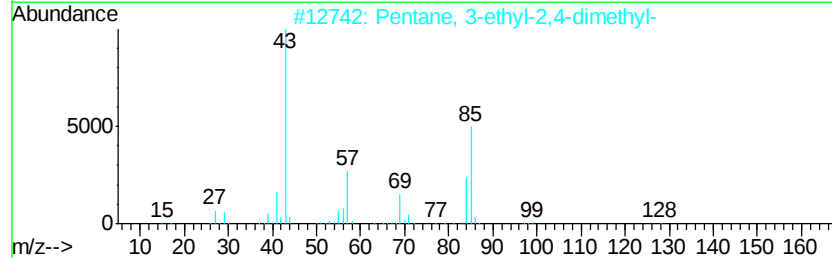
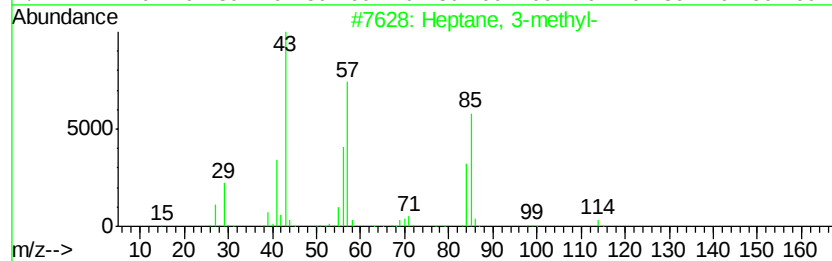
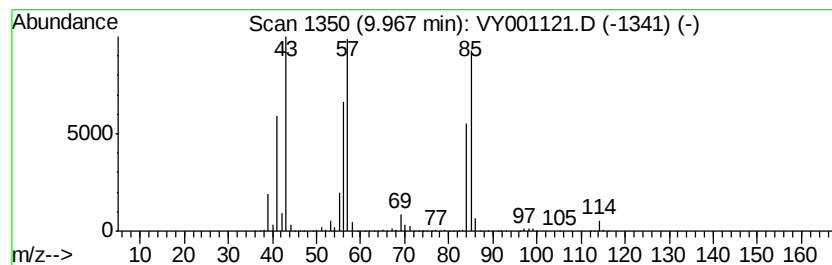
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	517.78 ug/l	31543400	1,4-Difluorobenzene	8.70

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	87	
2	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	64	
3	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64	
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64	
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59	



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Misc : 5.09G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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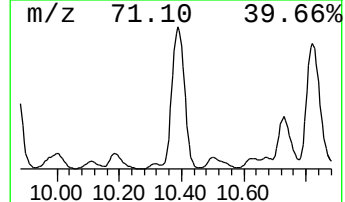
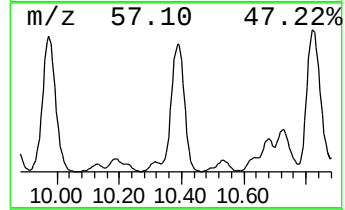
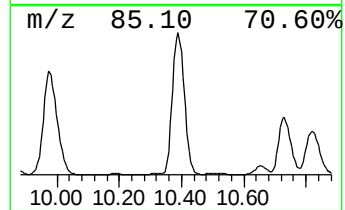
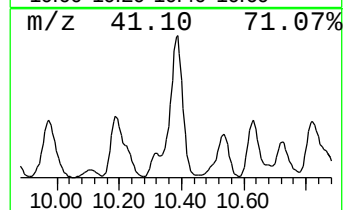
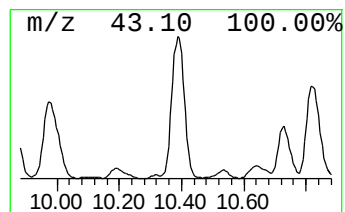
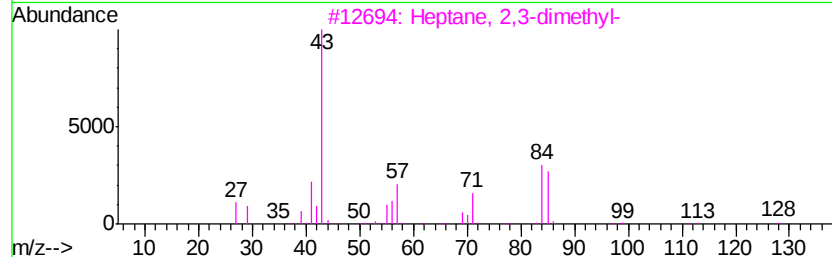
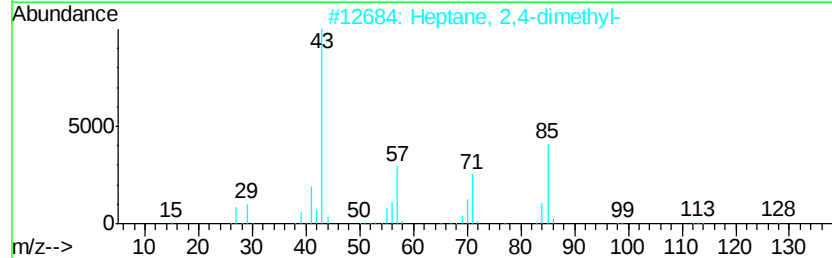
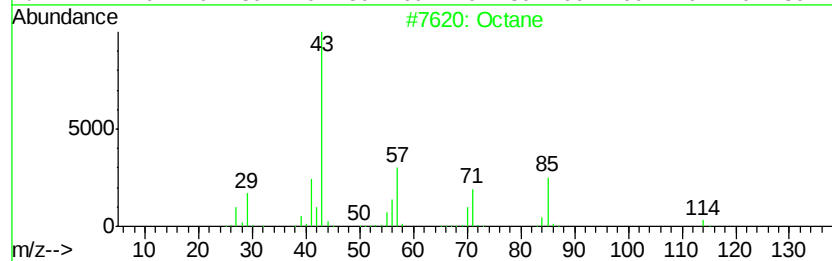
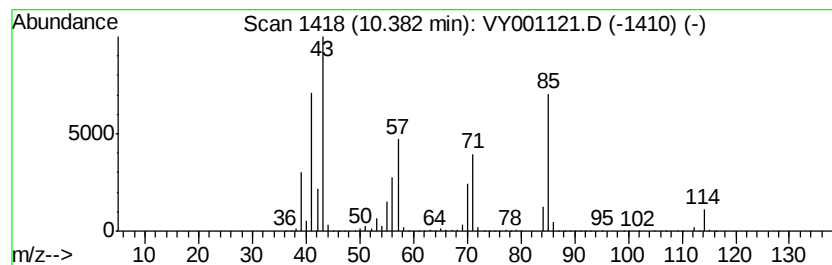
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Octane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	378.83 ug/l	63565400	Chlorobenzene-d5	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane	114	C8H18	000111-65-9	91
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
3		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53
4		1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	50
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47



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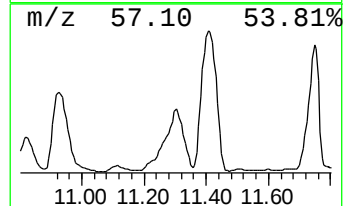
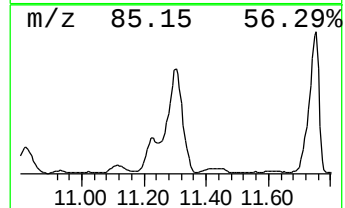
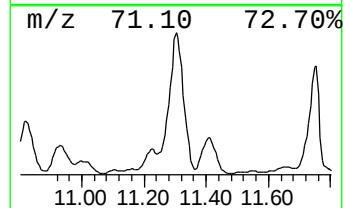
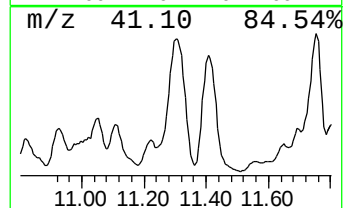
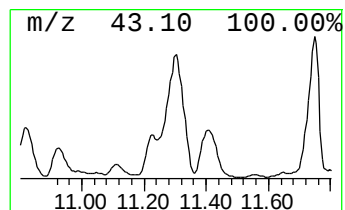
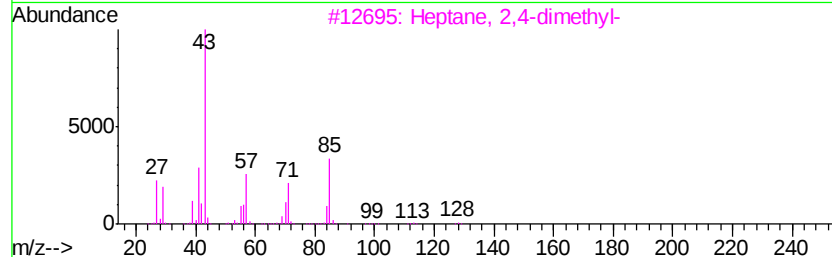
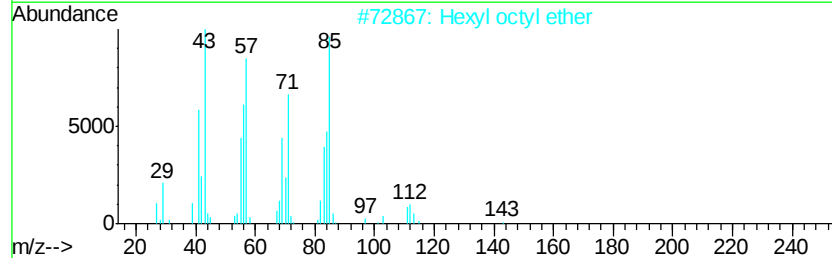
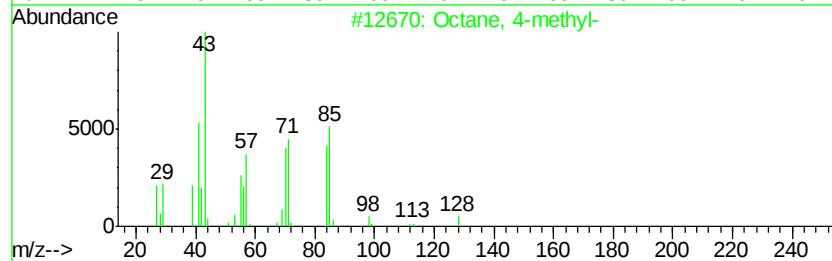
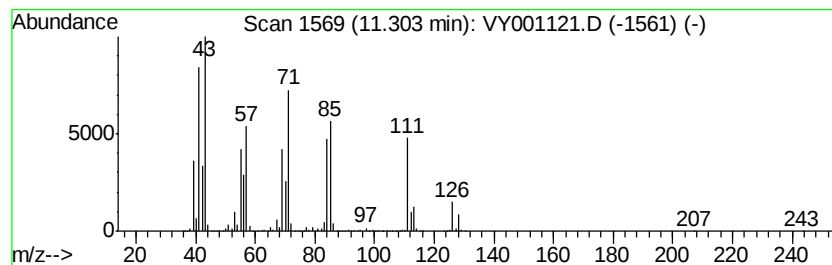
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Peak Number 4 Octane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	663.02 ug/l	111252000	Chlorobenzene-d5	11.50
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octane, 4-methyl-	128 C9H20	002216-34-4	52
2	Hexyl octyl ether	214 C14H30O	017071-54-4	43
3	Heptane, 2,4-dimethyl-	128 C9H20	002213-23-2	38
4	Nonane, 5-methyl-	142 C10H22	015869-85-9	35
5	Hexane, 3,3-dimethyl-	114 C8H18	000563-16-6	35



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Sample : K6462-01
Misc : 5.09G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

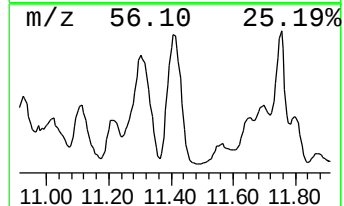
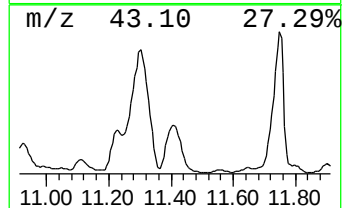
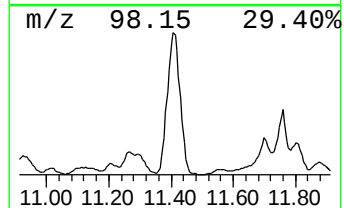
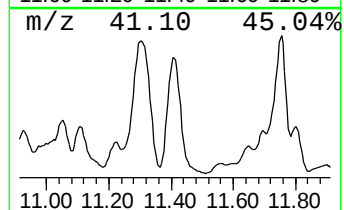
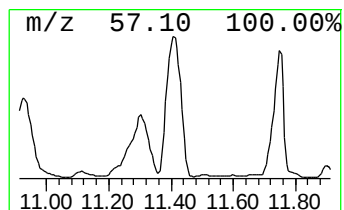
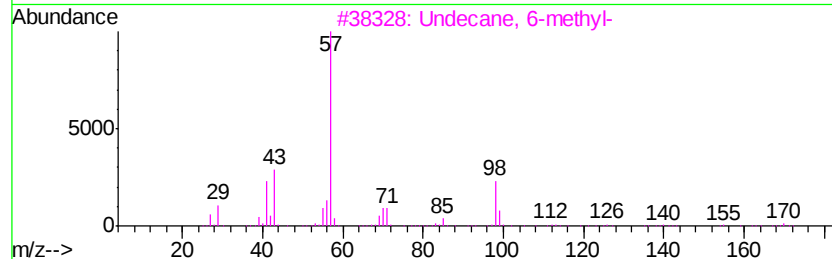
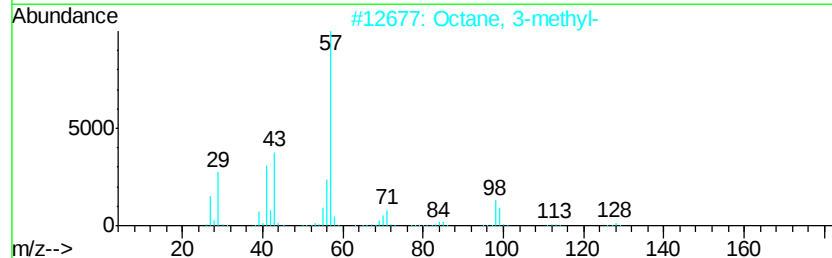
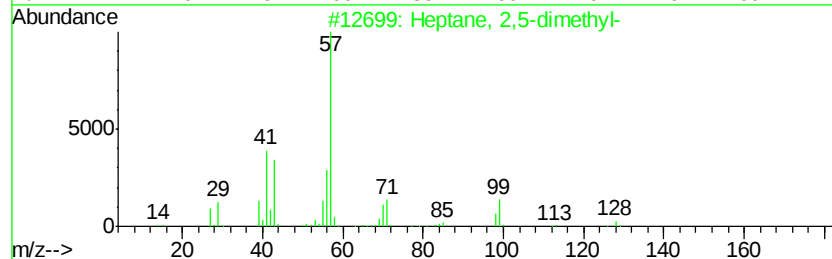
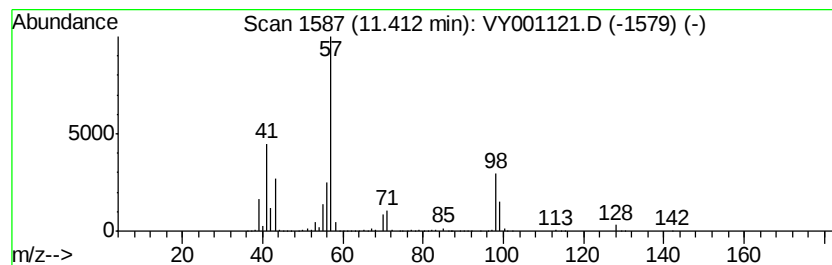
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Heptane, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	459.91 ug/l	77170500	Chlorobenzene-d5	11.50

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
2	Octane, 3-methyl-	128	C9H20	002216-33-3	72
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	50
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001121.D
Acq On : 30 Dec 2019 13:33
Operator : SY/MD
Sample : K6462-01
Misc : 5.09G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

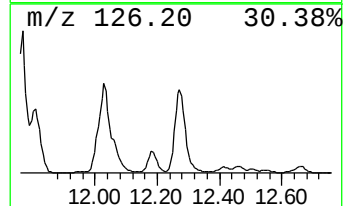
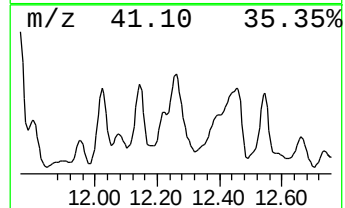
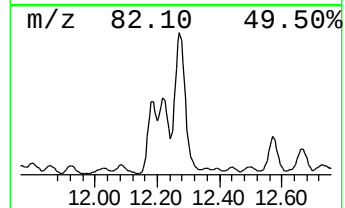
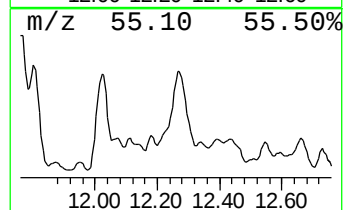
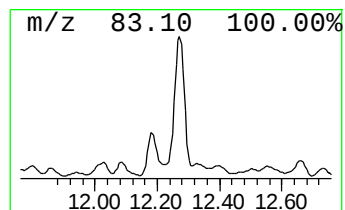
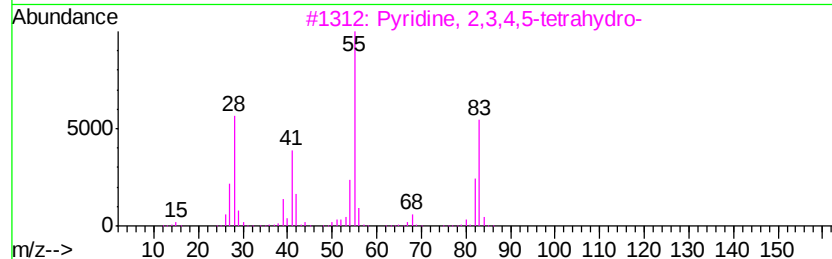
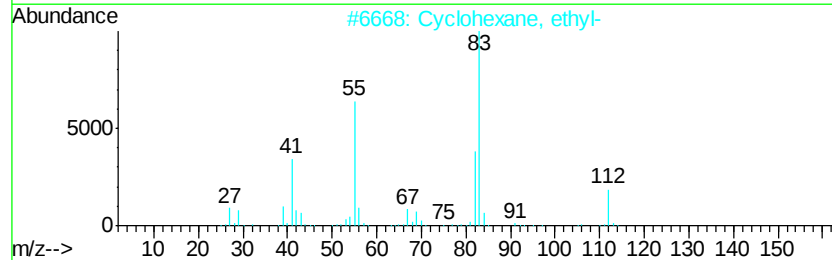
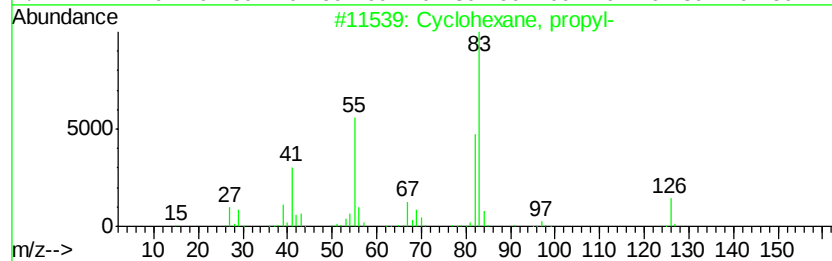
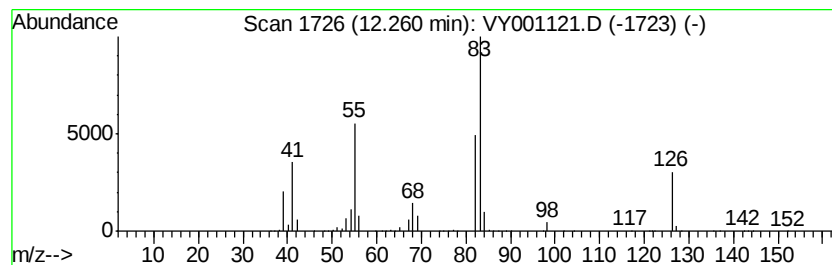
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Cyclohexane, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	241.42 ug/l	40509600	Chlorobenzene-d5	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3		Pvridine, 2,3,4,5-tetrahydro-	83	C5H9N	000505-18-0	64
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001121.D
Acq On : 30 Dec 2019 13:33
Operator : SY/MD
Sample : K6462-01
Misc : 5.09G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampled :
K500-1

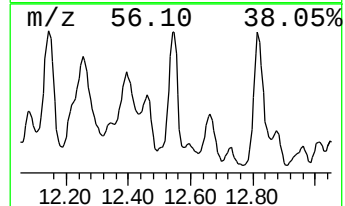
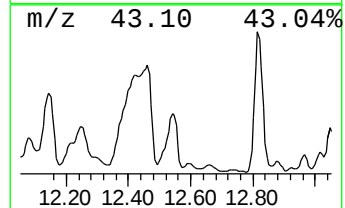
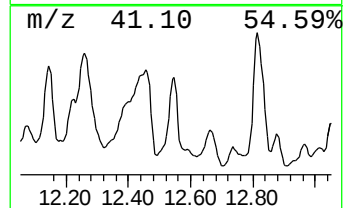
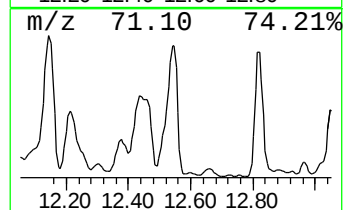
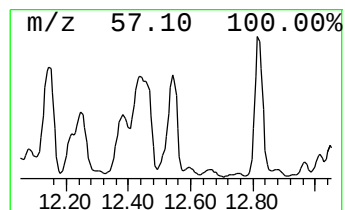
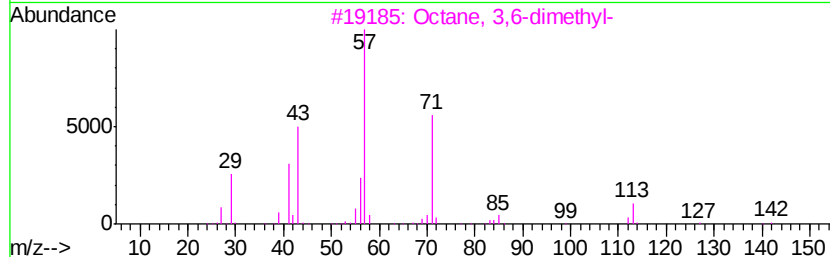
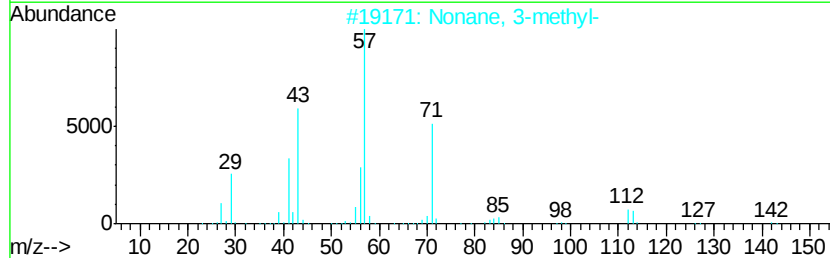
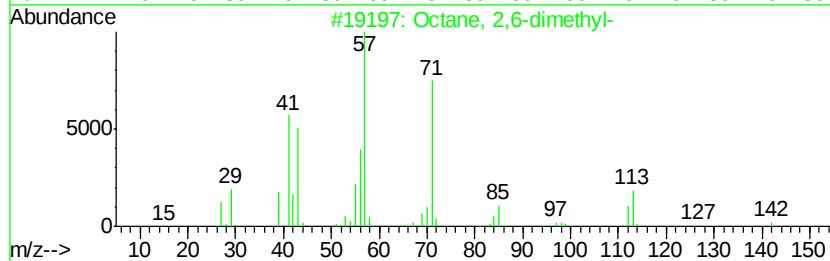
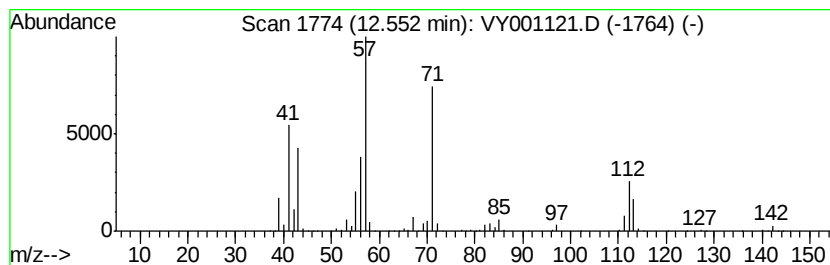
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	242.61 ug/l	32414600	1,4-Dichlorobenzene-d4	13.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	72
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
4		1-Decene, 4-methyl-	154	C11H22	013151-29-6	59
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001121.D
Acq On : 30 Dec 2019 13:33
Operator : SY/MD
Sample : K6462-01
Misc : 5.09G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

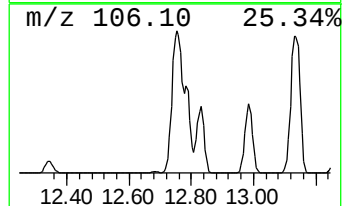
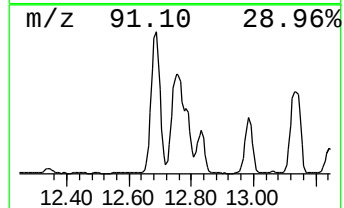
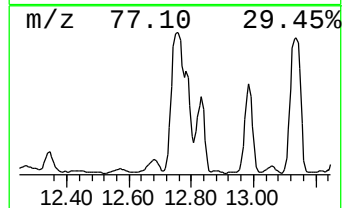
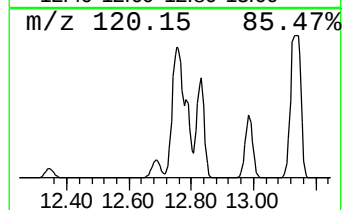
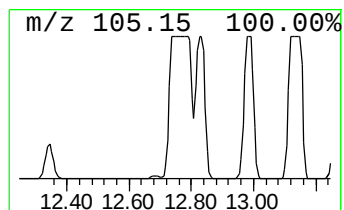
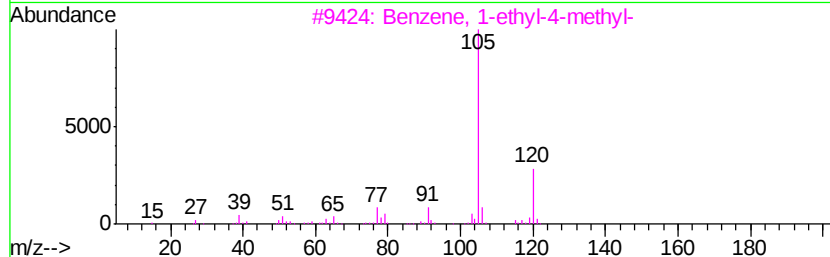
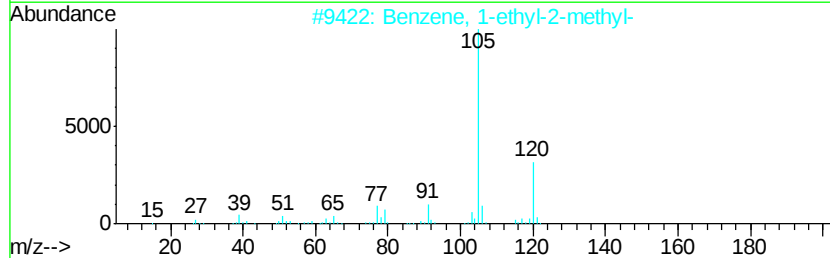
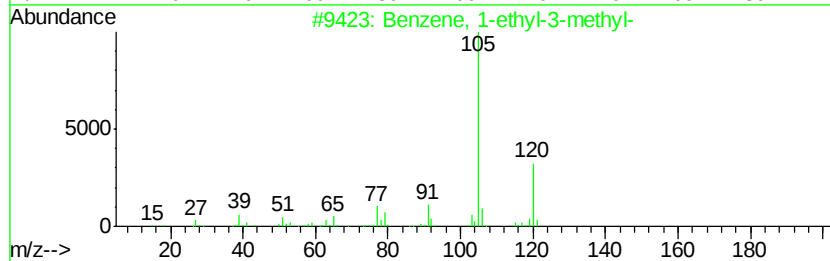
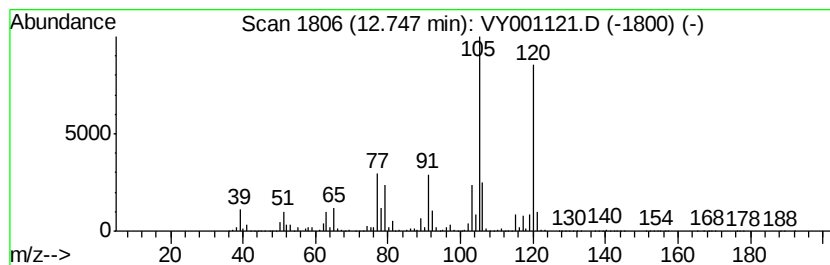
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	937.67 ug/l	125279000	1,4-Dichlorobenzene-d4	13.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
5		2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001121.D
Acq On : 30 Dec 2019 13:33
Operator : SY/MD
Sample : K6462-01
Misc : 5.09G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

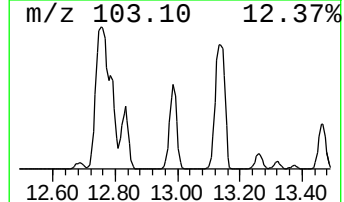
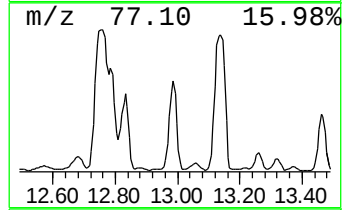
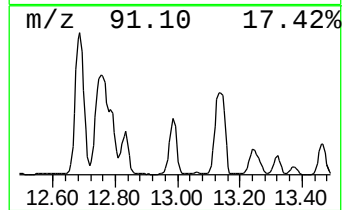
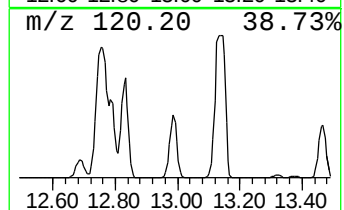
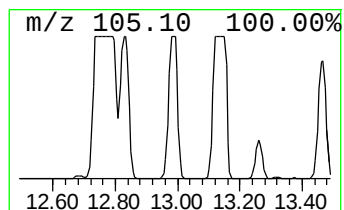
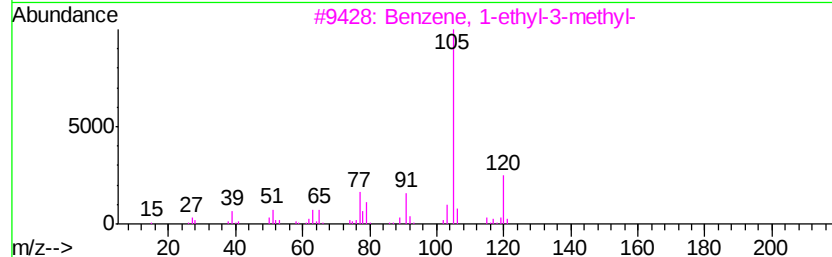
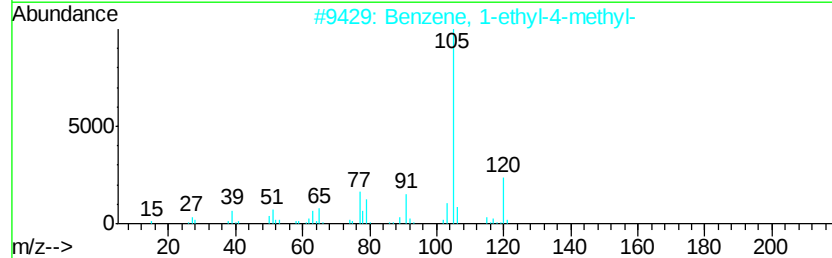
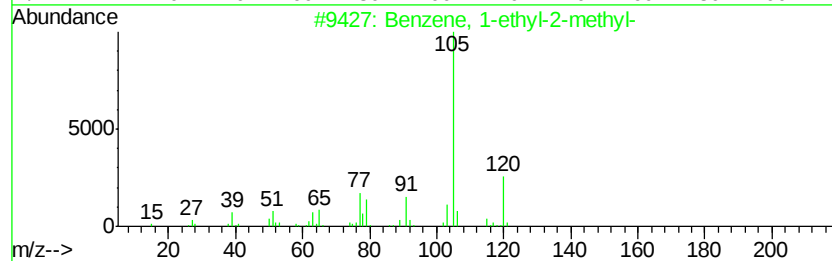
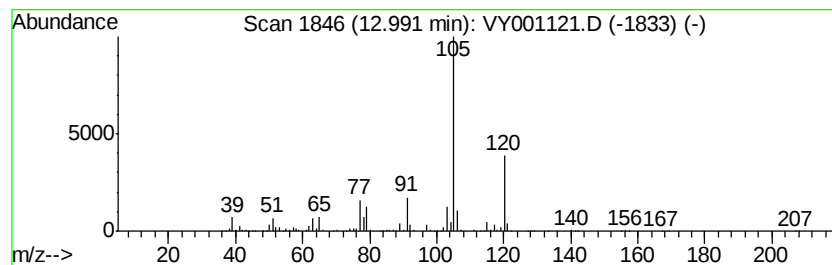
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	507.46 ug/l	67800300	1,4-Dichlorobenzene-d4	13.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001121.D
Acq On : 30 Dec 2019 13:33
Operator : SY/MD
Sample : K6462-01
Misc : 5.09G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

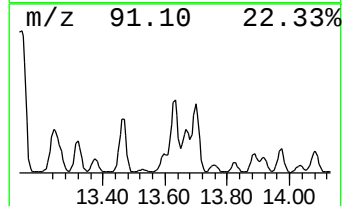
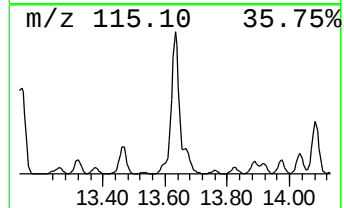
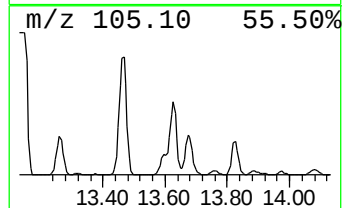
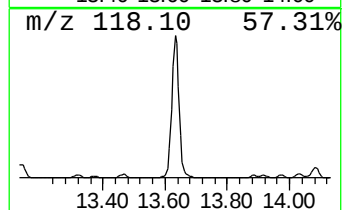
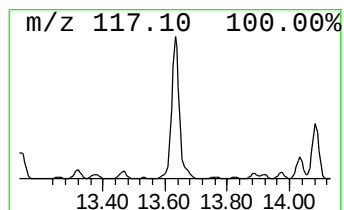
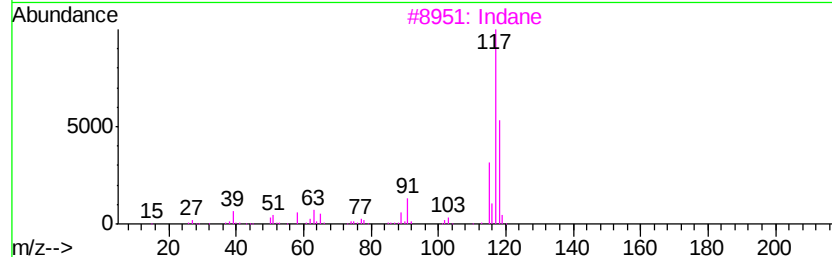
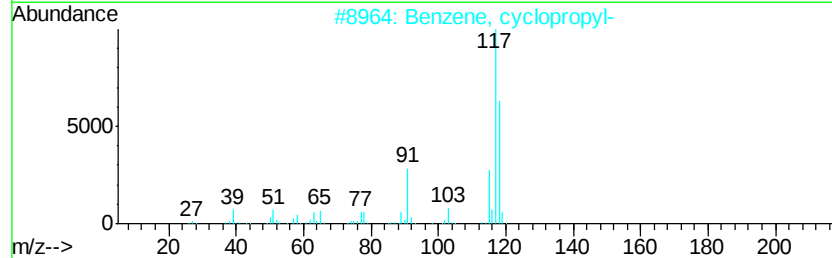
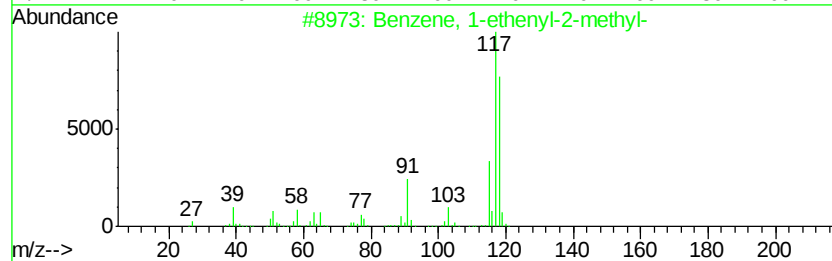
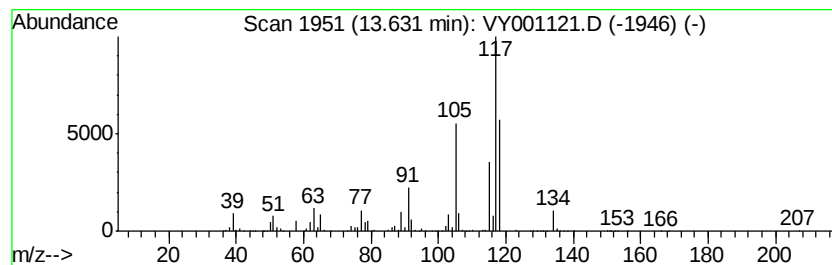
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 1-ethenyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	283.62 ug/l	37893200	1,4-Dichlorobenzene-d4	13.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
3		Indane	118	C9H10	000496-11-7	62
4		Benzene, 1-propenyl-	118	C9H10	000637-50-3	62
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	62



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY123019\
Data File : VY001121.D
Acq On : 30 Dec 2019 13:33
Operator : SY/MD
Sample : K6462-01
Misc : 5.09G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
K500-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Heptane, 3-methyl-	9.97	517.8	ug/l	31543400	2	8.70	3046020	50.0
Octane	10.38	378.8	ug/l	63565400	3	11.50	8389790	50.0
Octane, 4-methyl-	11.30	663.0	ug/l	111252000	3	11.50	8389790	50.0
Heptane, 2,5-dime...	11.41	459.9	ug/l	77170500	3	11.50	8389790	50.0
Cyclohexane, propyl-	12.26	241.4	ug/l	40509600	3	11.50	8389790	50.0
Octane, 2,6-dimet...	12.55	242.6	ug/l	32414600	4	13.41	6680330	50.0
Benzene, 1-ethyl-...	12.75	937.7	ug/l	125279000	4	13.41	6680330	50.0
Benzene, 1-ethyl-...	12.99	507.5	ug/l	67800300	4	13.41	6680330	50.0
Benzene, 1-etheny...	13.63	283.6	ug/l	37893200	4	13.41	6680330	50.0