

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
 Data File : VY012782.D
 Acq On : 03 Mar 2023 00:11
 Operator : KP/MD
 Sample : 01740-05
 Misc : 14.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-8-GRAB-8

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\82Y030223S.M

Title : SW846 8260

Signal : TIC: VY012782.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.113	46	48	53	rBV2	739	908	1.14%	0.074%
2	2.576	108	124	128	rBV3	15436	48082	60.15%	3.901%
3	3.948	341	349	356	rBV2	2014	5183	6.48%	0.421%
4	4.192	382	389	390	rBV3	1181	1969	2.46%	0.160%
5	4.466	425	434	435	rBV2	3435	5429	6.79%	0.440%
6	7.716	959	967	973	rBV2	6797	15987	20.00%	1.297%
7	7.789	973	979	992	rVB	13018	29761	37.23%	2.415%
8	8.136	1029	1036	1047	rVB4	7242	16217	20.29%	1.316%
9	8.691	1119	1127	1137	rBV	17477	33621	42.06%	2.728%
10	9.465	1249	1254	1263	rVB2	950	2043	2.56%	0.166%
11	10.179	1365	1371	1379	rBV	25226	42673	53.38%	3.462%
12	10.801	1468	1473	1478	rVB4	897	1446	1.81%	0.117%
13	10.904	1485	1490	1494	rBV3	758	1172	1.47%	0.095%
14	11.093	1515	1521	1526	rVB3	2436	4269	5.34%	0.346%
15	11.203	1535	1539	1543	rBV3	1758	2480	3.10%	0.201%
16	11.294	1543	1554	1561	rVB8	3478	9058	11.33%	0.735%
17	11.380	1562	1568	1572	rBV2	1995	3325	4.16%	0.270%
18	11.489	1580	1586	1595	rVB	23031	36431	45.57%	2.956%
19	11.624	1604	1608	1612	rBV3	2226	3378	4.23%	0.274%
20	11.678	1612	1617	1621	rBV7	3093	5902	7.38%	0.479%
21	11.739	1621	1627	1630	rBV3	7513	12829	16.05%	1.041%
22	11.782	1630	1634	1638	rVB4	5583	9455	11.83%	0.767%
23	11.837	1638	1643	1646	rBV3	1543	2405	3.01%	0.195%
24	11.886	1648	1651	1652	rBV3	1301	1333	1.67%	0.108%
25	11.935	1655	1659	1663	rVB4	3514	5800	7.26%	0.471%
26	12.002	1663	1670	1677	rBV4	16598	41805	52.30%	3.392%
27	12.056	1677	1679	1682	rVB2	2579	2651	3.32%	0.215%
28	12.087	1682	1684	1686	rBV3	2030	2508	3.14%	0.203%
29	12.124	1686	1690	1694	rVB	16676	21730	27.18%	1.763%
30	12.166	1694	1697	1698	rBV	5309	5656	7.08%	0.459%
31	12.203	1698	1703	1706	rBV2	17836	30666	38.36%	2.488%
32	12.239	1706	1709	1714	rVB3	15685	29530	36.94%	2.396%
33	12.373	1727	1731	1735	rBV5	6972	11383	14.24%	0.924%
34	12.416	1735	1738	1742	rVB3	13341	20353	25.46%	1.651%
35	12.483	1742	1749	1754	rVB4	23482	41644	52.10%	3.379%
36	12.569	1754	1763	1767	rBV10	11018	32030	40.07%	2.599%

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37	12.642	1767	1775	1782	rVB3	33126	79938	100.00%	6.486%
38	12.727	1782	1789	1793	rBV5	17706	39751	49.73%	3.225%
39	12.806	1795	1802	1807	rVV5	30324	72252	90.39%	5.862%
40	12.861	1808	1811	1817	rVB2	15882	23650	29.59%	1.919%
41	12.947	1821	1825	1829	rVB4	12234	17456	21.84%	1.416%
42	13.001	1829	1834	1836	rBV3	8340	16370	20.48%	1.328%
43	13.038	1836	1840	1848	rVB3	37324	66326	82.97%	5.381%
44	13.166	1858	1861	1868	rBV8	9947	18520	23.17%	1.503%
45	13.245	1872	1874	1877	rBV2	4602	5693	7.12%	0.462%
46	13.294	1878	1882	1883	rVV3	13779	18122	22.67%	1.470%
47	13.318	1883	1886	1890	rVV	20673	31468	39.37%	2.553%
48	13.355	1890	1892	1896	rVB3	9847	12670	15.85%	1.028%
49	13.422	1898	1903	1911	rBV2	15864	28935	36.20%	2.348%
50	13.562	1920	1926	1930	rBV8	5965	12461	15.59%	1.011%
51	13.745	1950	1956	1962	rBV3	44297	78444	98.13%	6.364%
52	13.794	1962	1964	1968	rVB3	4068	5026	6.29%	0.408%
53	13.855	1971	1974	1976	rBV3	3552	4398	5.50%	0.357%
54	13.922	1981	1985	1988	rVV5	7521	14659	18.34%	1.189%
55	13.971	1989	1993	1998	rVB2	18174	27941	34.95%	2.267%
56	14.080	2005	2011	2015	rBV4	9893	16079	20.11%	1.305%
57	14.135	2015	2020	2026	rVB7	5206	12498	15.63%	1.014%
58	14.209	2027	2032	2035	rBV7	2586	5378	6.73%	0.436%
59	14.263	2035	2041	2044	rBV5	10869	22747	28.46%	1.846%
60	14.385	2056	2061	2063	rBV4	3941	6570	8.22%	0.533%
61	14.422	2063	2067	2071	rVB5	7093	10687	13.37%	0.867%
62	14.513	2080	2082	2088	rVB5	3286	4479	5.60%	0.363%
63	14.580	2088	2093	2095	rBV6	1249	1519	1.90%	0.123%
64	14.617	2095	2099	2104	rVB4	2585	3847	4.81%	0.312%
65	14.672	2104	2108	2115	rBV5	5625	11711	14.65%	0.950%
66	14.733	2115	2118	2124	rVB5	4742	7931	9.92%	0.643%
67	14.794	2125	2128	2132	rVB6	813	1071	1.34%	0.087%
68	14.849	2134	2137	2139	rBV4	584	801	1.00%	0.065%
69	14.916	2145	2148	2151	rBV5	782	1395	1.75%	0.113%
70	14.946	2151	2153	2156	rVB4	2273	2279	2.85%	0.185%
71	14.977	2156	2158	2160	rBV2	1097	1214	1.52%	0.098%
72	15.056	2166	2171	2178	rVB8	2290	4696	5.87%	0.381%
73	15.202	2190	2195	2198	rBV6	923	1518	1.90%	0.123%
74	15.605	2257	2261	2265	rVB5	663	923	1.15%	0.075%

Sum of corrected areas: 1232535

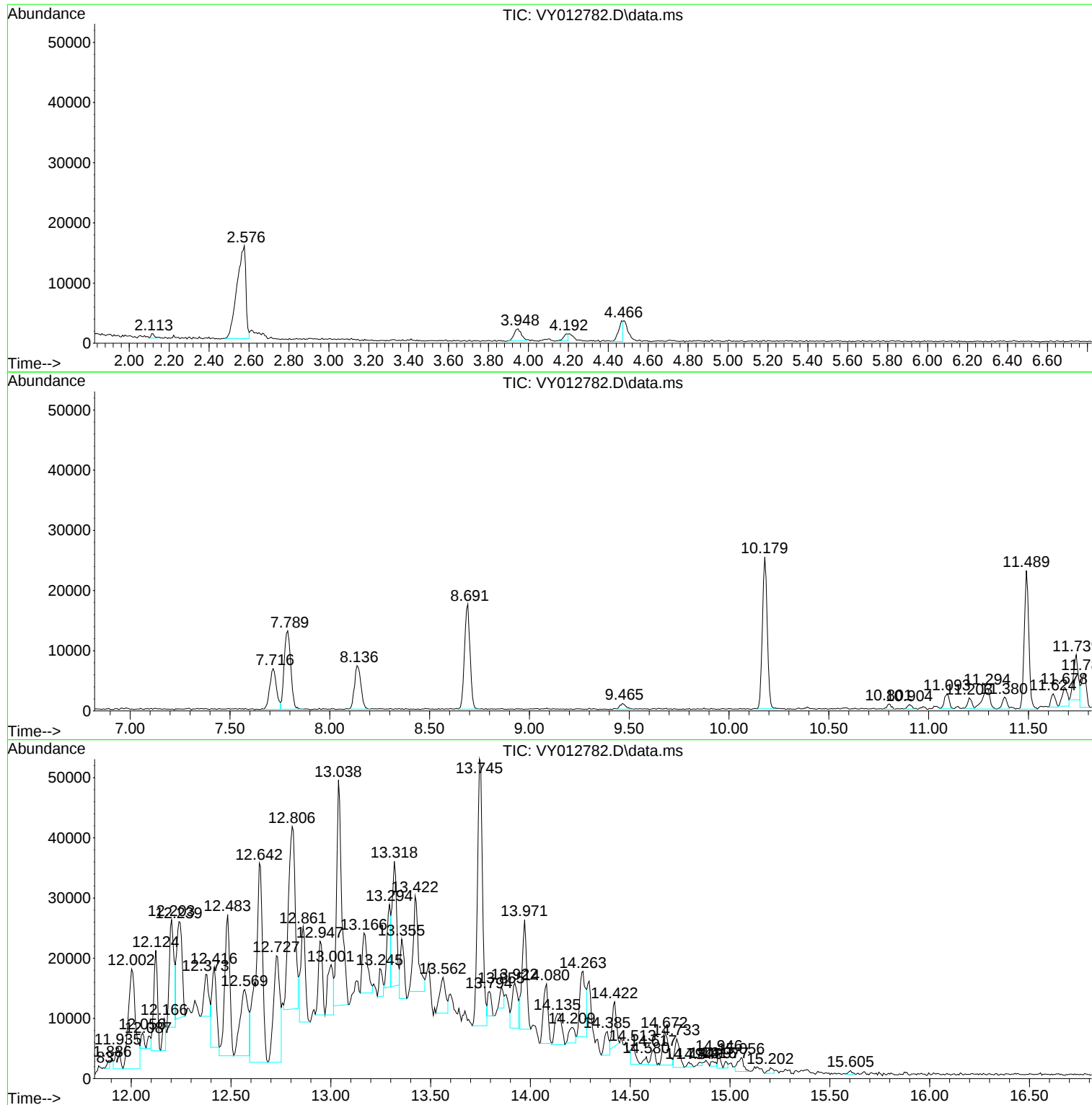
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

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



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Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

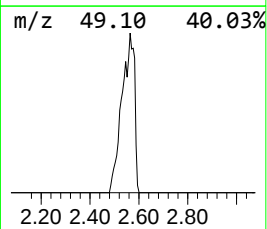
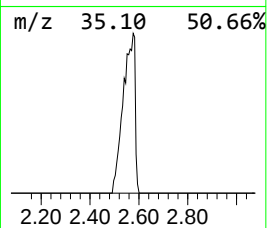
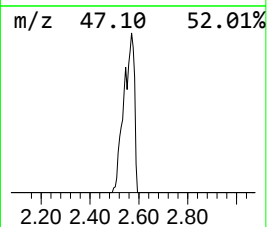
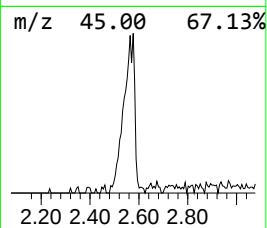
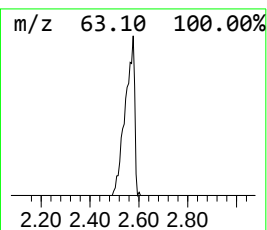
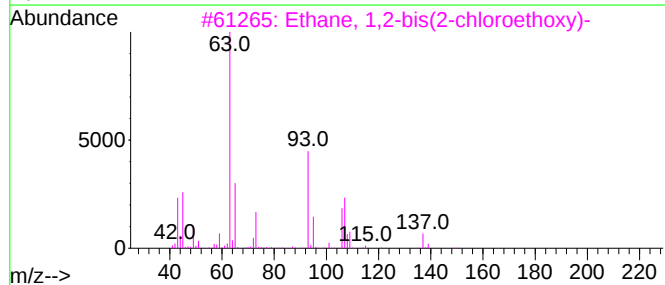
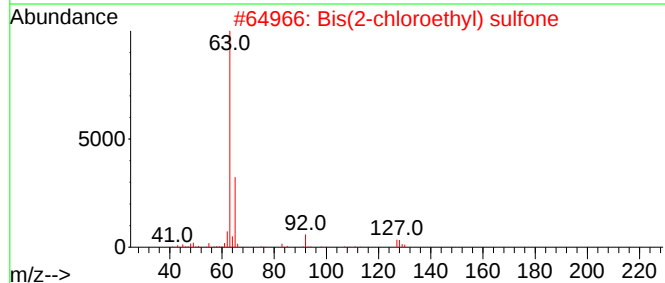
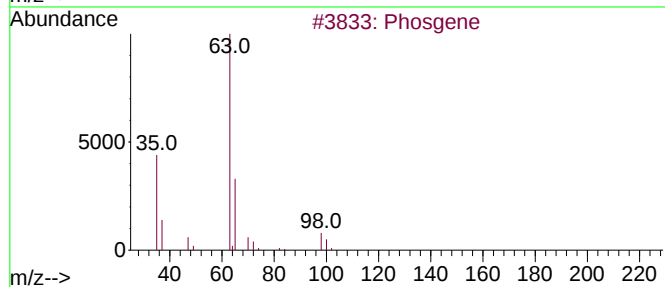
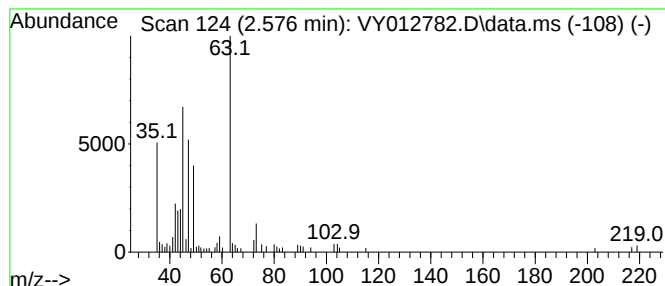
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown2.576 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.576	80.78 ug/l	48082	Pentafluorobenzene	7.789

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phosgene	98	CCl2O	000075-44-5	28
2			Bis(2-chloroethyl) sulfone	190	C4H8Cl2O2S	000471-03-4	25
3			Ethane, 1,2-bis(2-chloroethoxy)-	186	C6H12Cl2O2	000112-26-5	25
4			3,6,9,12-tetraoxatetradecane, 1,...	274	C10H20Cl2O4	1000401-80-9	17
5			Diethyl pyrocarbonate	162	C6H10O5	001609-47-8	17



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MSVOA_Y
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TOTAL-VOC-8-GRAB-8

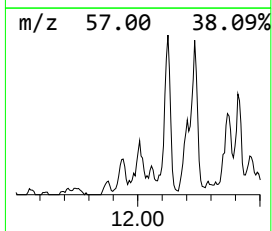
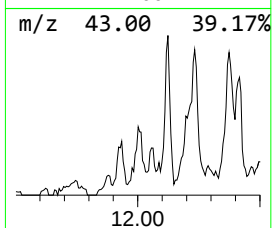
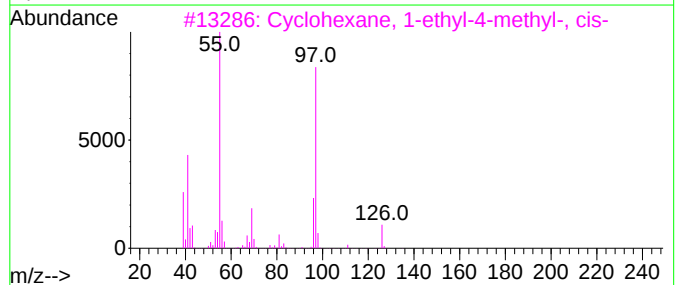
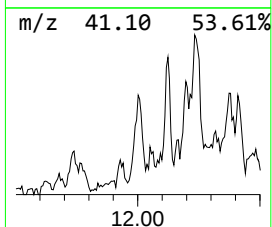
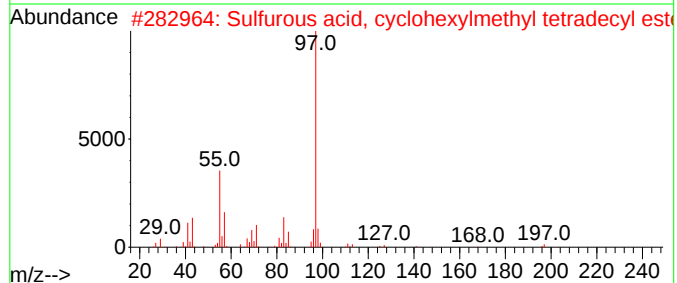
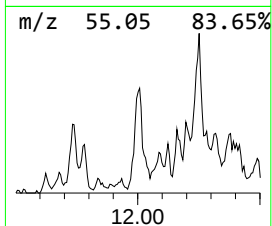
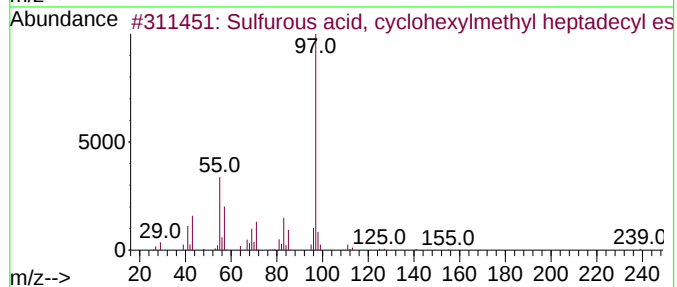
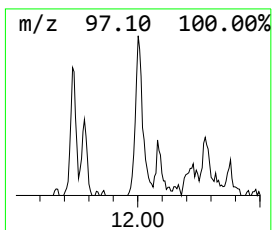
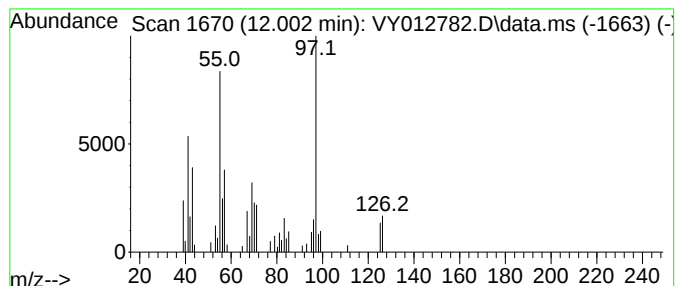
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Sulfurous acid, cyclohexylm... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.002	57.38 ug/l	41805	Chlorobenzene-d5	11.490

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	52
2			Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	50
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	45
4			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	43
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	43



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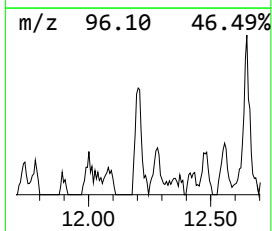
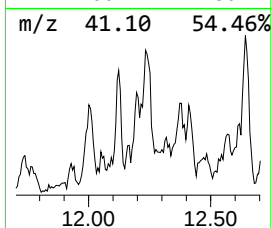
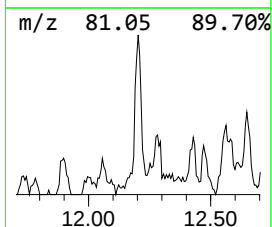
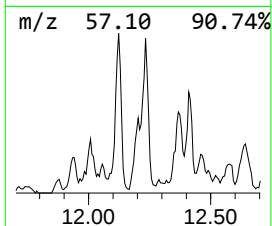
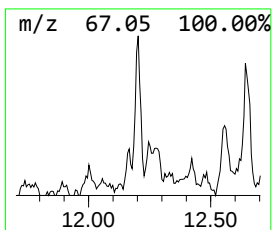
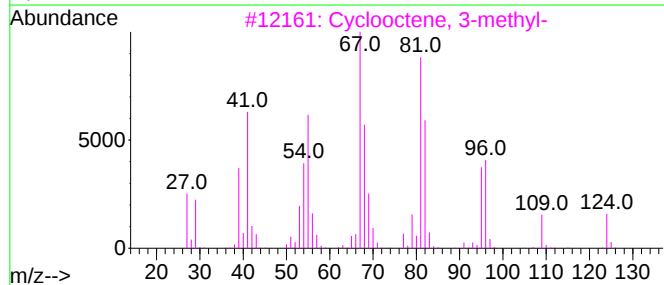
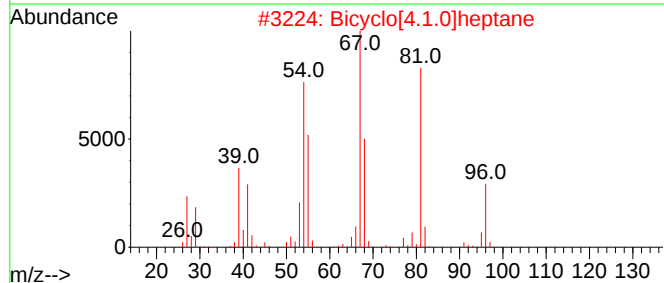
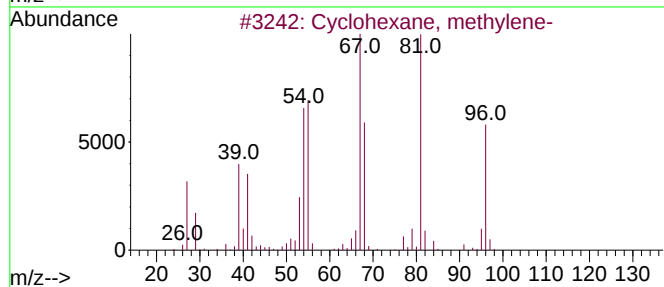
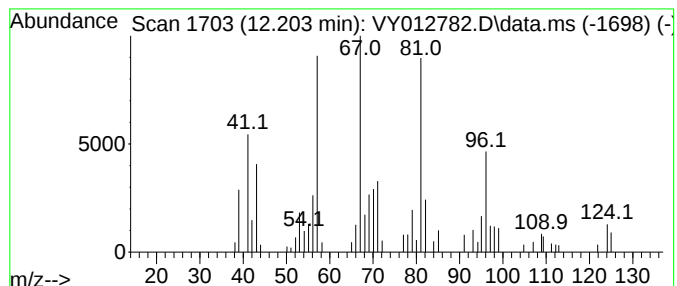
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, methylene- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.203	42.09 ug/l	30666	Chlorobenzene-d5	11.490

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, methylene-	96	C7H12	001192-37-6	64
2			Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	64
3			Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	64
4			4-Octyne, 2-methyl-	124	C9H16	010306-94-2	58
5			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	58



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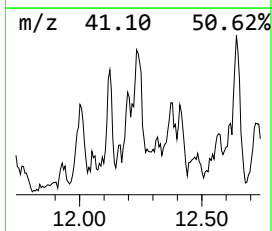
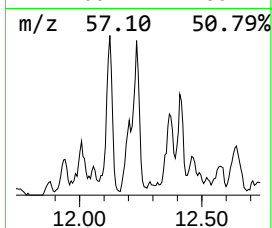
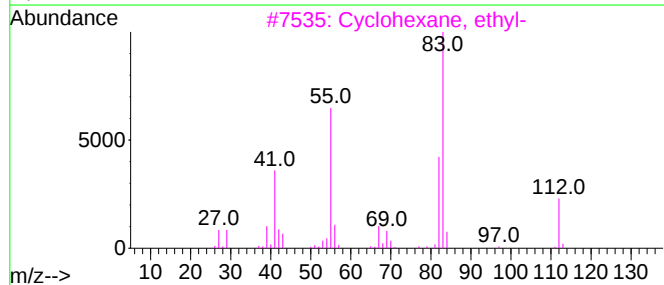
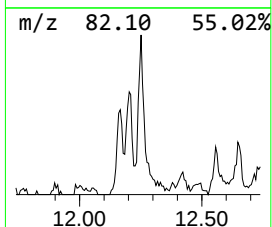
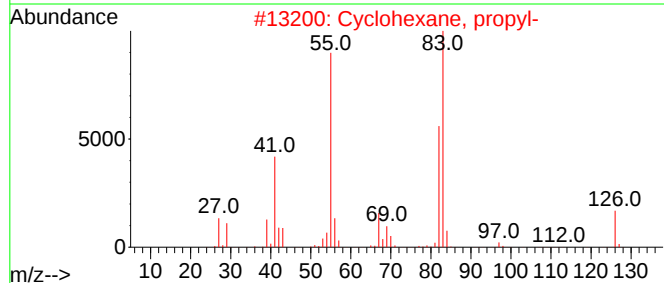
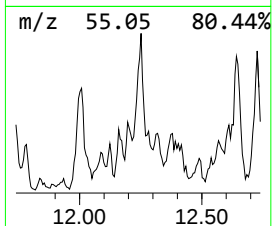
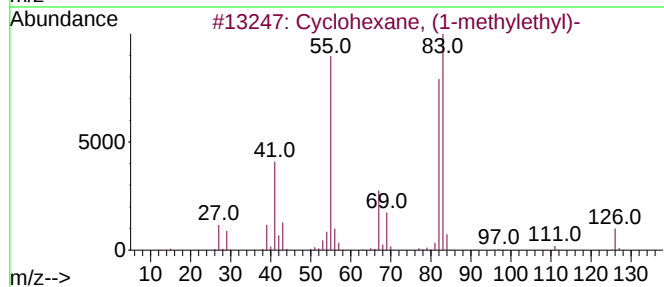
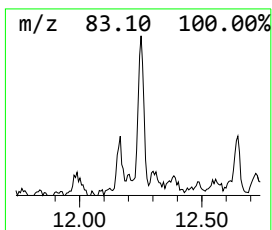
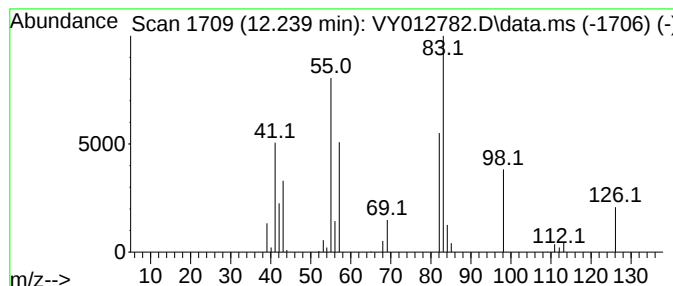
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TOTAL-VOC-8-GRAB-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, (1-methylethyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.239	40.53 ug/l	29530	Chlorobenzene-d5	11.490	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	62
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	62
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	50
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
Data File : VY012782.D
Acq On : 03 Mar 2023 00:11
Operator : KP/MD
Sample : 01740-05
Misc : 14.95g/5.0mL/MSVOA_Y/soil
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

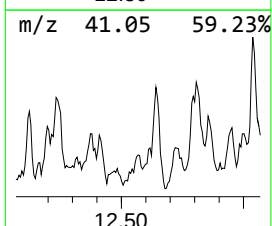
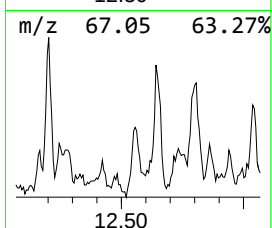
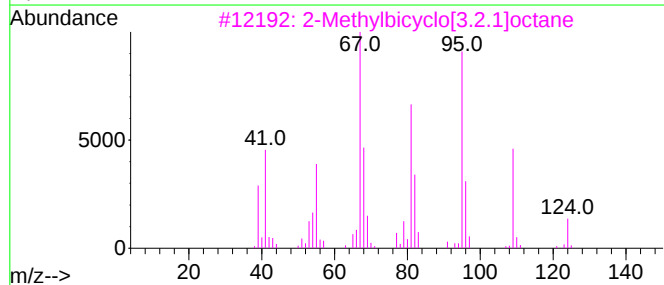
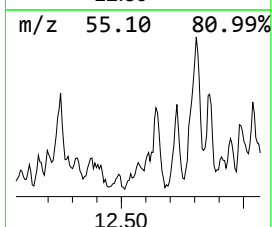
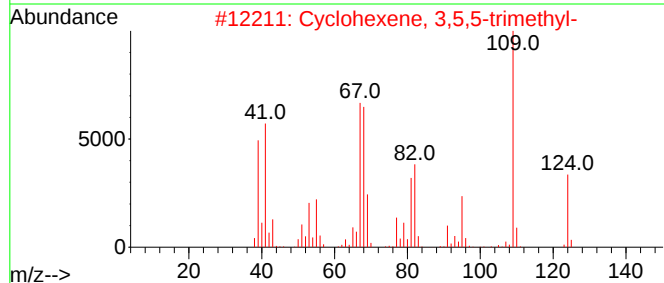
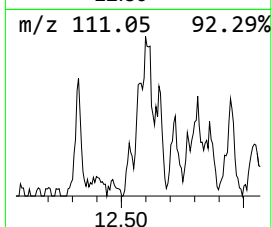
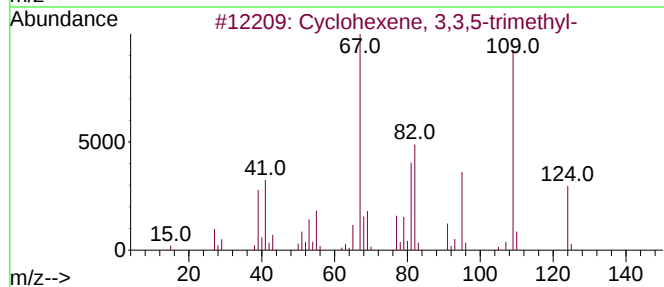
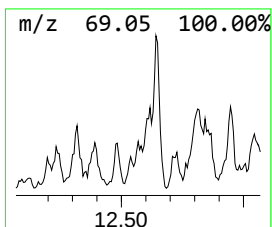
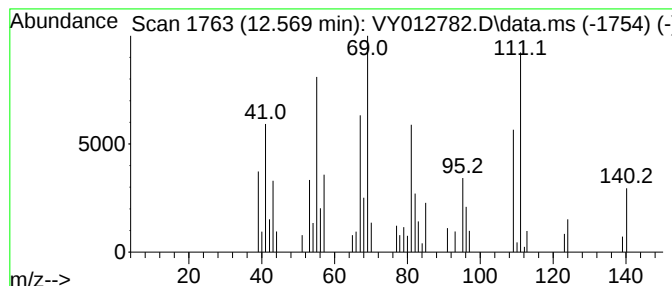
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Quant Title : SW846 8260

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

Peak Number 5 unknown12.569 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	55.35 ug/l	32030	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	35
2			Cyclohexene, 3,5,5-trimethyl-	124	C9H16	000933-12-0	35
3			2-Methylbicyclo[3.2.1]octane	124	C9H16	1010215-28-0	18
4			1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	18
5			3-Octyne, 7-methyl-	124	C9H16	037050-06-9	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
Data File : VY012782.D
Acq On : 03 Mar 2023 00:11
Operator : KP/MD
Sample : 01740-05
Misc : 14.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

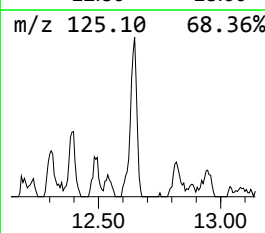
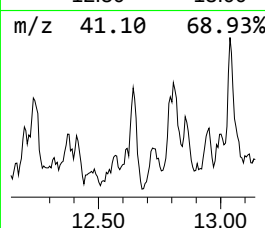
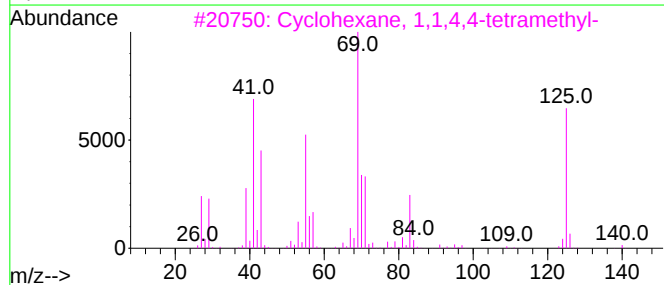
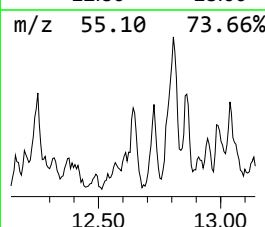
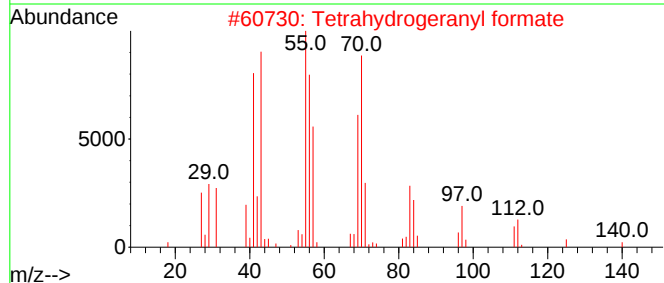
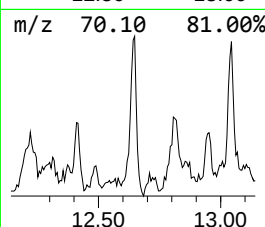
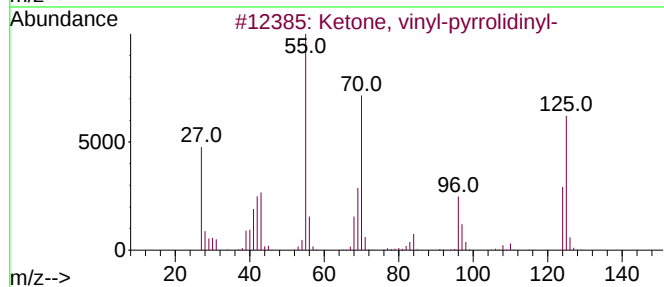
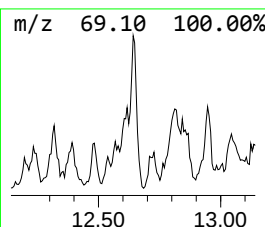
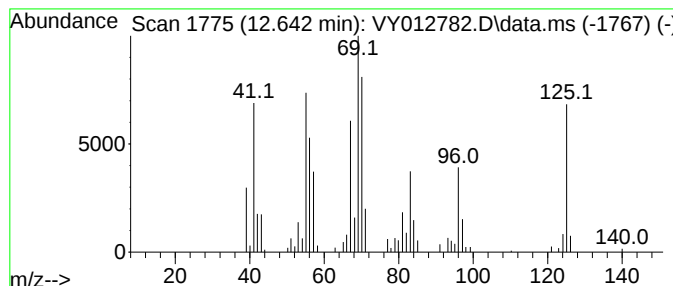
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Quant Title : SW846 8260

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

Peak Number 6 unknown12.642 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.642	138.13 ug/l	79938	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	43
2			Tetrahydrogeranyl formate	186	C11H22O2	1000429-39-6	38
3			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
4			Cyclopentane, ethyl-	98	C7H14	001640-89-7	35
5			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
Data File : VY012782.D
Acq On : 03 Mar 2023 00:11
Operator : KP/MD
Sample : 01740-05
Misc : 14.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

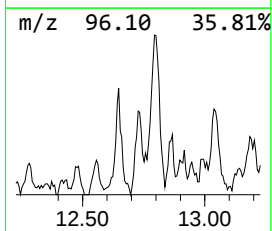
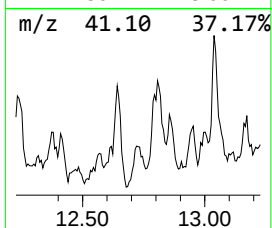
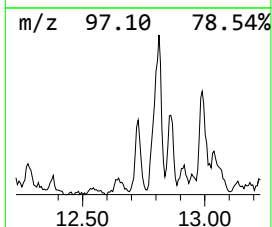
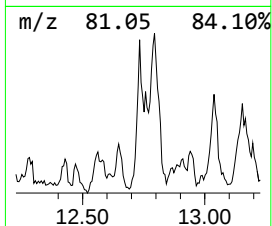
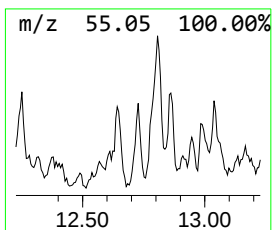
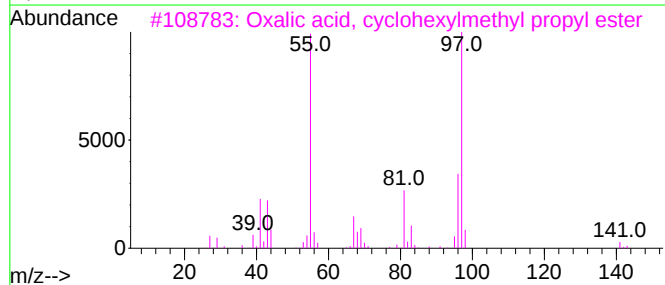
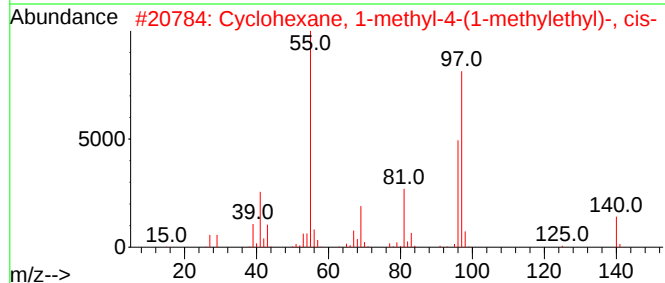
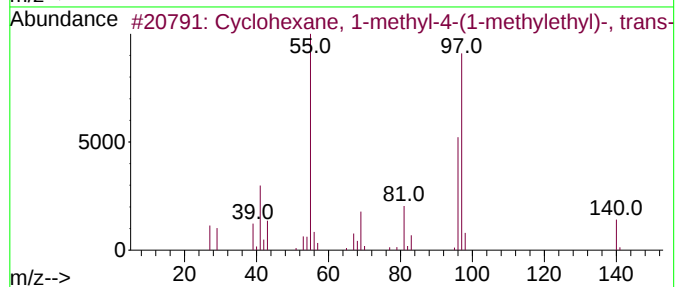
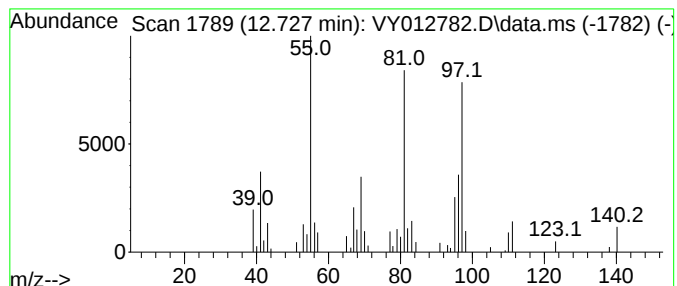
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Quant Title : SW846 8260

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

Peak Number 7 unknown12.727 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.727	68.69 ug/l	39751	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
3			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	46
4			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
5			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
Data File : VY012782.D
Acq On : 03 Mar 2023 00:11
Operator : KP/MD
Sample : 01740-05
Misc : 14.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

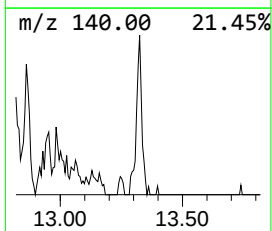
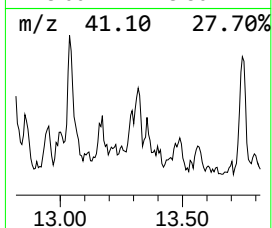
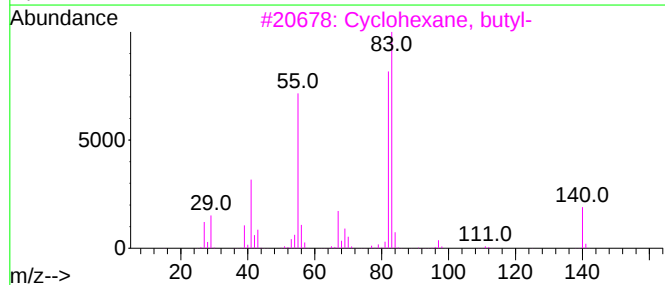
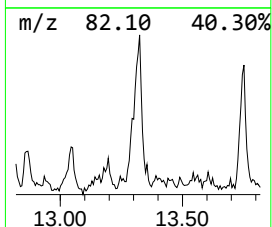
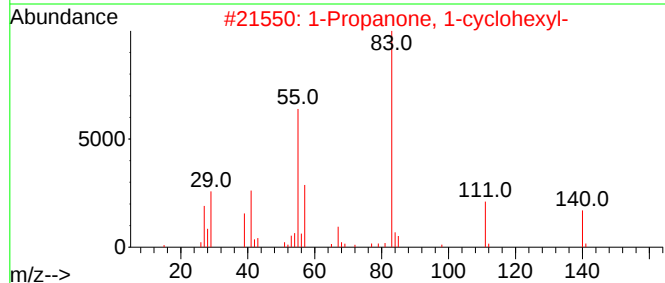
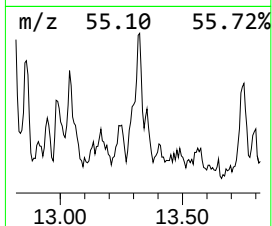
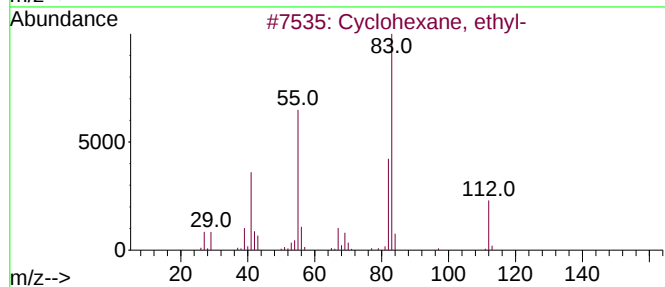
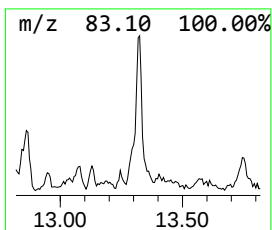
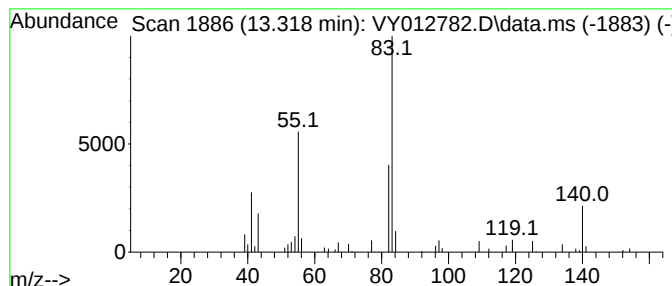
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Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.318	54.38 ug/l	31468	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
2			1-Propanone, 1-cyclohexyl-	140	C9H16O	001123-86-0	52
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	50
4			Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	50
5			Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
Data File : VY012782.D
Acq On : 03 Mar 2023 00:11
Operator : KP/MD
Sample : 01740-05
Misc : 14.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

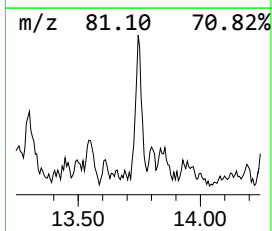
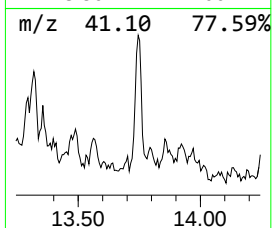
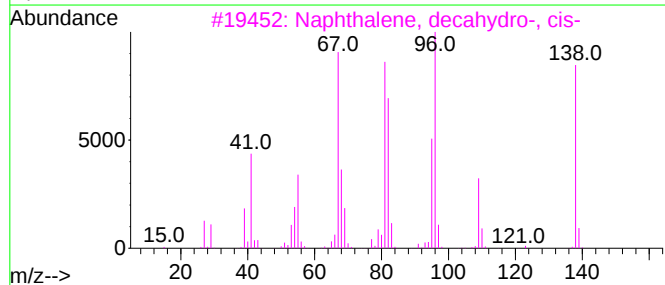
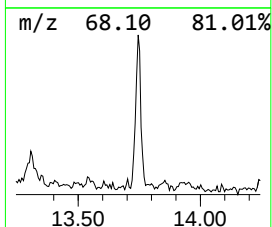
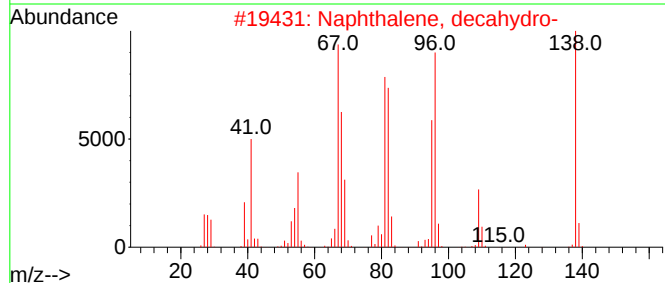
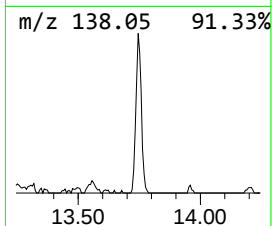
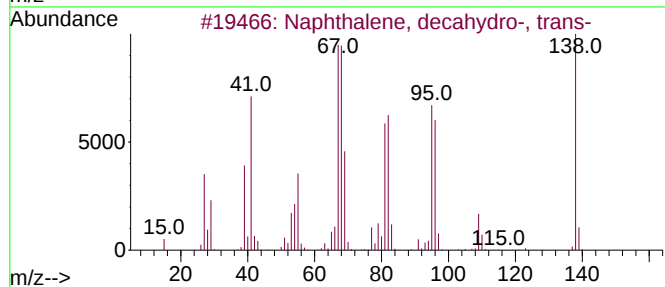
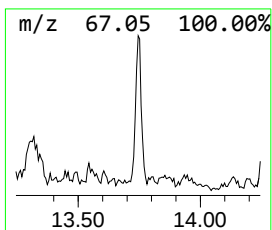
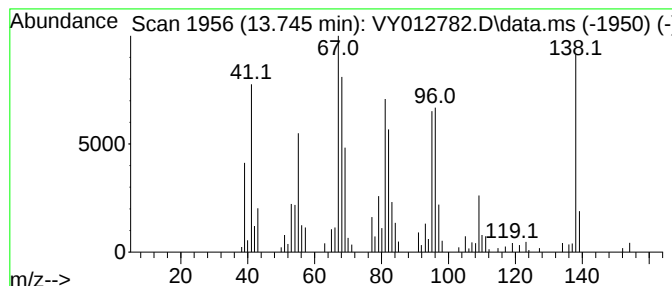
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	135.55 ug/l	78444	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76
4			Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	68
5			Spiro[4.5]decane	138	C10H18	000176-63-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
Data File : VY012782.D
Acq On : 03 Mar 2023 00:11
Operator : KP/MD
Sample : 01740-05
Misc : 14.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

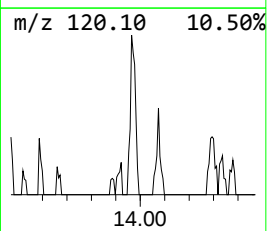
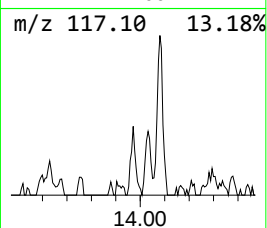
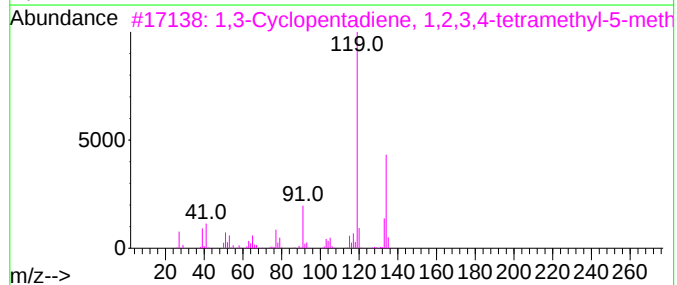
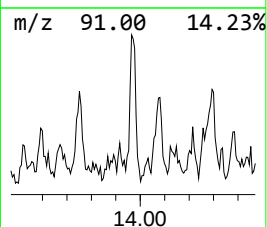
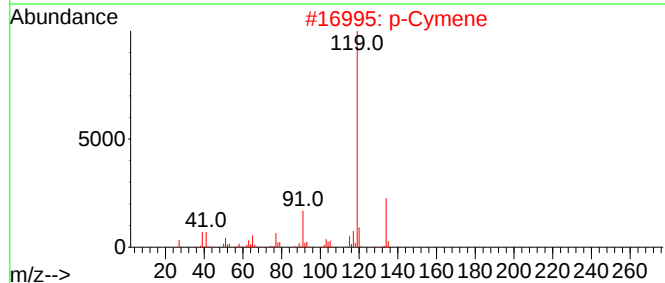
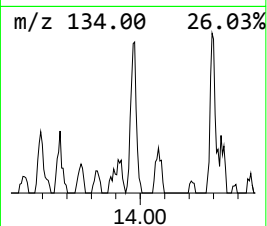
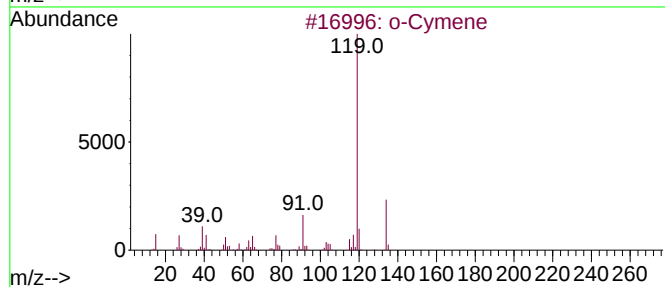
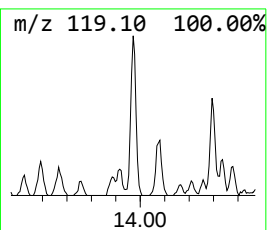
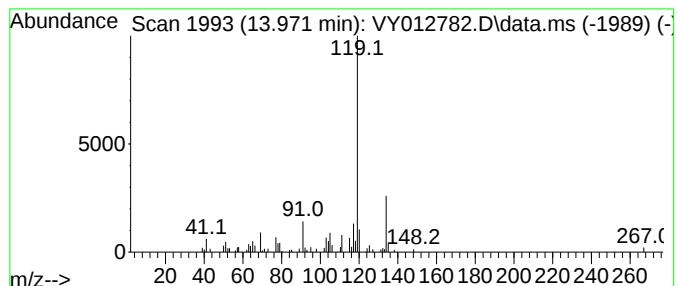
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Quant Title : SW846 8260

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

Peak Number 10 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.971	48.28 ug/l	27941	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			p-Cymene	134	C10H14	000099-87-6	93
3			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030223\
Data File : VY012782.D
Acq On : 03 Mar 2023 00:11
Operator : KP/MD
Sample : 01740-05
Misc : 14.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-8-GRAB-8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.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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Sulfurous acid,...	12.002	57.4	ug/l	41805	3	11.490	36431	50.0
Cyclohexane, me...	12.203	42.1	ug/l	30666	3	11.490	36431	50.0
Cyclohexane, (1...	12.239	40.5	ug/l	29530	3	11.490	36431	50.0
unknown12.569	12.569	55.4	ug/l	32030	4	13.422	28935	50.0
unknown12.642	12.642	138.1	ug/l	79938	4	13.422	28935	50.0
unknown12.727	12.727	68.7	ug/l	39751	4	13.422	28935	50.0
Cyclohexane, et...	13.318	54.4	ug/l	31468	4	13.422	28935	50.0
Naphthalene, de...	13.745	135.6	ug/l	78444	4	13.422	28935	50.0
o-Cymene	13.971	48.3	ug/l	27941	4	13.422	28935	50.0