

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
 Data File : VY009543.D
 Acq On : 12 Jul 2022 19:21
 Operator : KP/MD
 Sample : N3662-04
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220497B-SIM/C3B-COMPOSITE

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\82Y070722S.M
 Title : SW846 8260

Signal : TIC: VY009543.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.857	3	6	15	rVB4	5284	9492	1.78%	0.189%
2	3.942	339	348	357	rBV2	14413	39255	7.34%	0.782%
3	4.180	377	387	402	rBV	22151	59768	11.18%	1.190%
4	4.704	462	473	484	rBV3	15504	48865	9.14%	0.973%
5	5.734	631	642	652	rBV4	6350	18441	3.45%	0.367%
6	6.978	832	846	855	rBV2	28732	87522	16.37%	1.743%
7	7.710	955	966	972	rBV	84937	200730	37.54%	3.997%
8	7.783	972	978	987	rVB	164149	372295	69.63%	7.413%
9	8.130	1022	1035	1049	rVB2	78081	209852	39.25%	4.178%
10	8.319	1059	1066	1073	rVB3	4102	9585	1.79%	0.191%
11	8.685	1117	1126	1135	rBV	245102	486854	91.05%	9.694%
12	9.179	1197	1207	1212	rVB5	5765	15181	2.84%	0.302%
13	9.606	1270	1277	1284	rVB7	3925	8174	1.53%	0.163%
14	9.746	1290	1300	1305	rBV5	3230	7048	1.32%	0.140%
15	10.173	1363	1370	1379	rBV	234137	402909	75.35%	8.022%
16	10.343	1393	1398	1405	rVB5	2723	6907	1.29%	0.138%
17	10.575	1430	1436	1446	rBV	15811	29700	5.55%	0.591%
18	10.801	1466	1473	1478	rVB2	6133	10707	2.00%	0.213%
19	10.898	1481	1489	1492	rBV3	5034	10957	2.05%	0.218%
20	10.941	1492	1496	1503	rVV2	20409	40275	7.53%	0.802%
21	11.032	1507	1511	1515	rVV2	8779	15170	2.84%	0.302%
22	11.087	1515	1520	1526	rVV3	14126	25583	4.78%	0.509%
23	11.197	1533	1538	1543	rVV4	6958	12497	2.34%	0.249%
24	11.307	1549	1556	1562	rVB3	9530	25614	4.79%	0.510%
25	11.483	1578	1585	1596	rBV	320328	534710	100.00%	10.646%
26	11.617	1603	1607	1612	rVB3	4901	6408	1.20%	0.128%
27	11.672	1612	1616	1622	rBV7	7078	18762	3.51%	0.374%
28	11.733	1622	1626	1638	rVB5	19563	51815	9.69%	1.032%
29	11.843	1638	1644	1646	rBV5	4335	8322	1.56%	0.166%
30	11.898	1647	1653	1655	rBV7	3302	5993	1.12%	0.119%
31	12.002	1662	1670	1677	rBV7	19418	57917	10.83%	1.153%
32	12.117	1685	1689	1693	rVB	20969	29733	5.56%	0.592%
33	12.197	1693	1702	1705	rBV7	25183	51800	9.69%	1.031%
34	12.233	1705	1708	1714	rVV2	28531	55601	10.40%	1.107%
35	12.319	1718	1722	1726	rVV6	9205	17524	3.28%	0.349%
36	12.373	1727	1731	1736	rVB5	13461	25874	4.84%	0.515%

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37	12.477	1742	1748	1754	rBV	248716	403968	75.55%	8.043%
38	12.568	1754	1763	1766	rBV9	11979	29641	5.54%	0.590%
39	12.642	1770	1775	1782	rVB3	38412	72974	13.65%	1.453%
40	12.727	1782	1789	1794	rBV7	21688	57359	10.73%	1.142%
41	12.806	1795	1802	1807	rVV6	37778	90436	16.91%	1.801%
42	12.855	1807	1810	1815	rVB5	17403	26246	4.91%	0.523%
43	12.916	1816	1820	1821	rBV4	4425	6449	1.21%	0.128%
44	12.946	1821	1825	1828	rVV4	14596	19069	3.57%	0.380%
45	12.983	1829	1831	1837	rVB3	7248	10389	1.94%	0.207%
46	13.129	1849	1855	1857	rBV5	13571	24490	4.58%	0.488%
47	13.160	1857	1860	1867	rVV7	15670	31059	5.81%	0.618%
48	13.245	1868	1874	1878	rVV7	14827	35344	6.61%	0.704%
49	13.294	1878	1882	1883	rVV4	19652	27899	5.22%	0.555%
50	13.318	1883	1886	1897	rVV8	31829	76765	14.36%	1.528%
51	13.422	1897	1903	1911	rVV	304868	456697	85.41%	9.093%
52	13.562	1923	1926	1930	rVB5	12535	14820	2.77%	0.295%
53	13.745	1950	1956	1961	rBV4	47979	85808	16.05%	1.708%
54	13.794	1961	1964	1968	rVV4	6726	10002	1.87%	0.199%
55	13.855	1971	1974	1976	rBV4	7896	9347	1.75%	0.186%
56	13.958	1989	1991	1997	rVB6	17466	27794	5.20%	0.553%
57	14.074	2005	2010	2014	rBV5	18466	32828	6.14%	0.654%
58	14.141	2016	2021	2026	rVB8	14383	26499	4.96%	0.528%
59	14.202	2026	2031	2034	rBV6	10100	18109	3.39%	0.361%
60	14.257	2035	2040	2045	rBV5	33978	71918	13.45%	1.432%
61	14.422	2062	2067	2070	rVB2	31291	41367	7.74%	0.824%
62	14.611	2095	2098	2103	rBV6	11259	16651	3.11%	0.332%
63	14.672	2103	2108	2114	rVV4	27878	63153	11.81%	1.257%
64	14.733	2114	2118	2125	rVB8	21203	38451	7.19%	0.766%
65	14.842	2133	2136	2139	rBV5	8480	10928	2.04%	0.218%
66	14.940	2149	2152	2156	rVB6	16610	19626	3.67%	0.391%
67	15.208	2190	2196	2201	rBV5	20725	38163	7.14%	0.760%
68	15.318	2211	2214	2217	rBV4	8801	14993	2.80%	0.299%
69	15.440	2230	2234	2241	rVB10	6176	13527	2.53%	0.269%
70	15.598	2257	2260	2267	rVB9	14445	27165	5.08%	0.541%
71	16.025	2326	2330	2336	rVB9	7574	12459	2.33%	0.248%
72	16.153	2347	2351	2356	rVB6	13414	20858	3.90%	0.415%
73	16.476	2399	2404	2411	rBV9	9633	21334	3.99%	0.425%

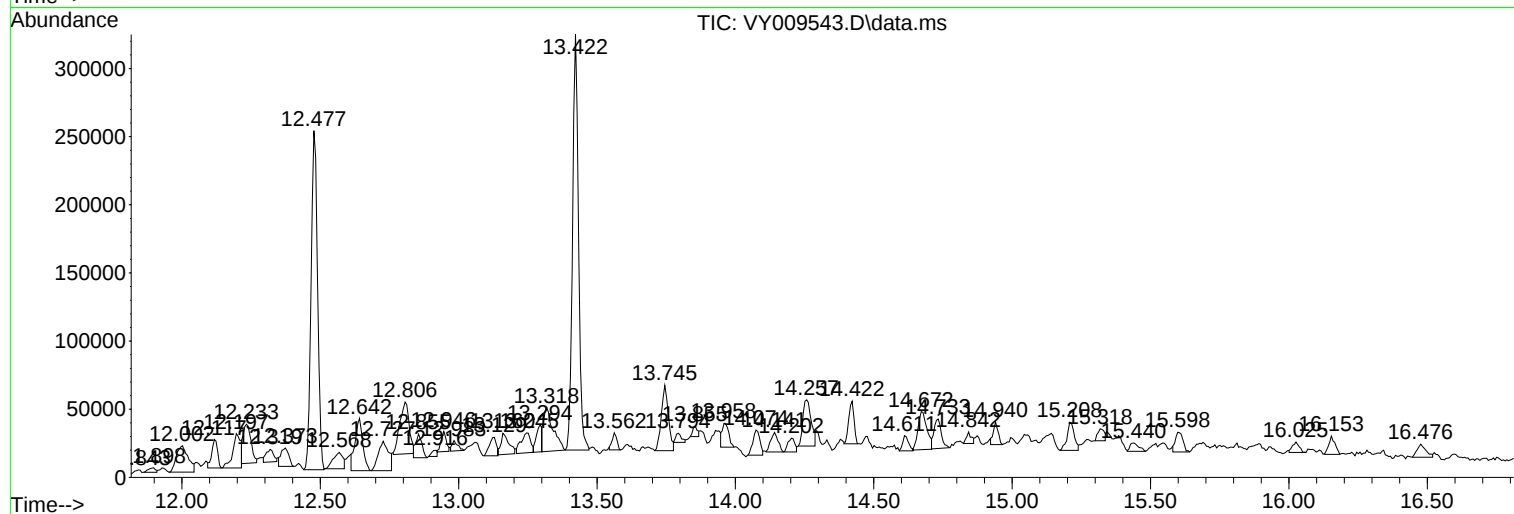
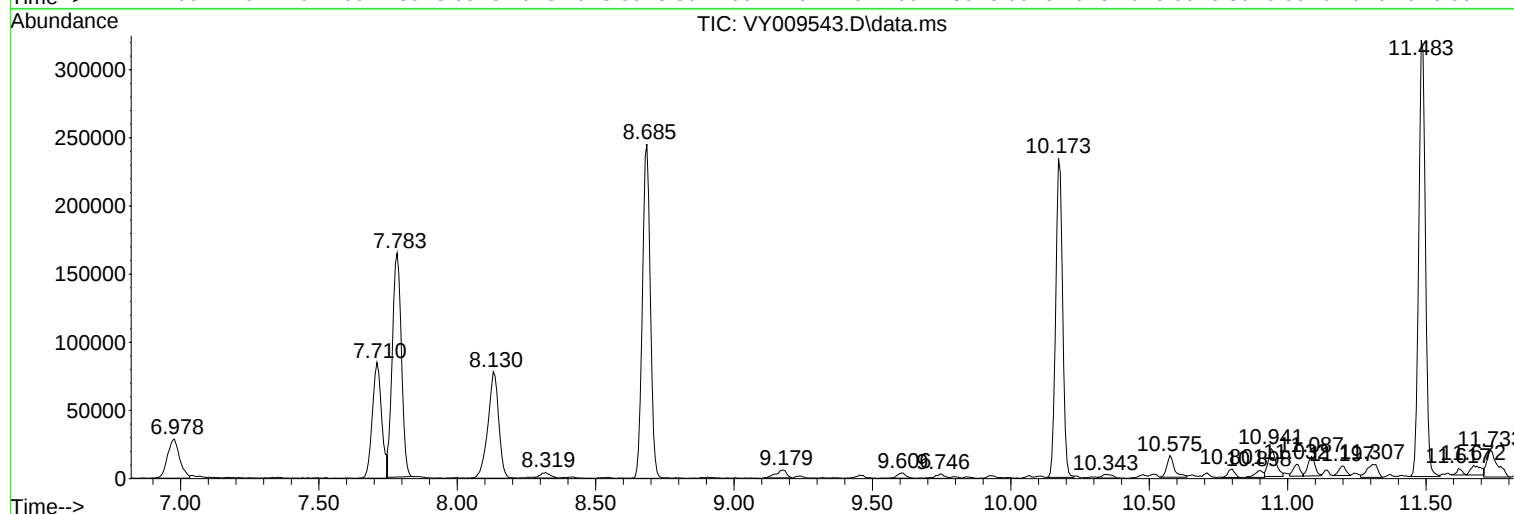
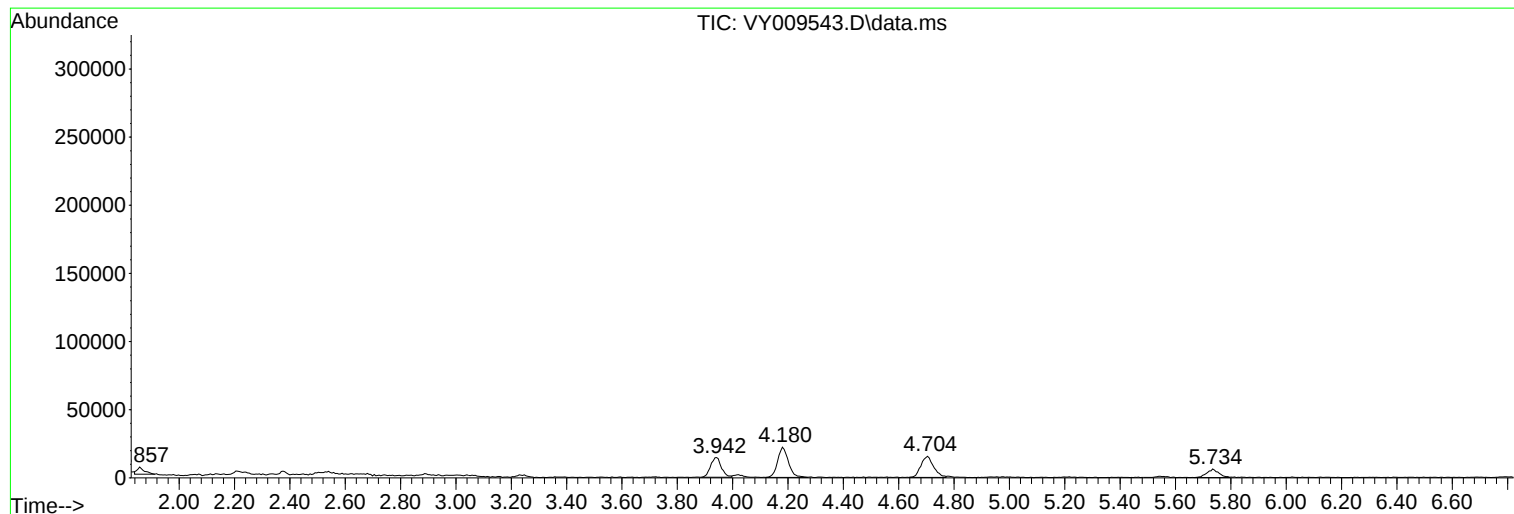
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ClientSampleId :
20220497B-SIM/C3B-COMPOSITE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
Quant Title : SW846 8260

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



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Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220497B-SIM/C3B-COMPOSITE

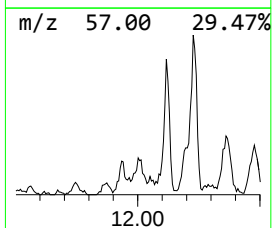
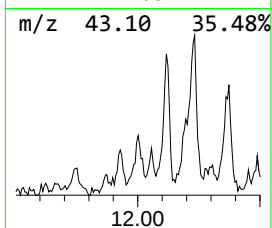
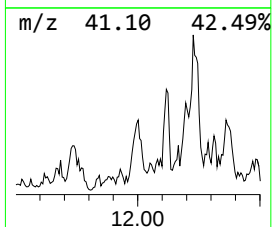
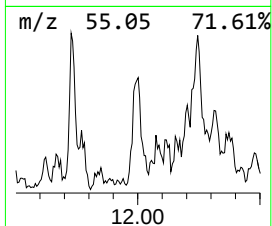
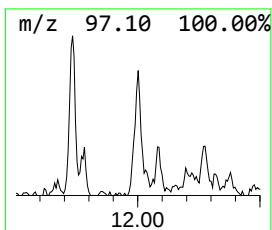
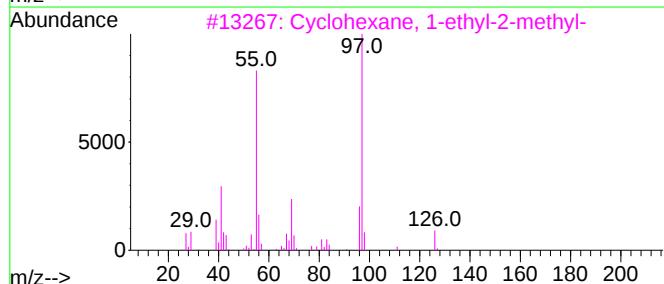
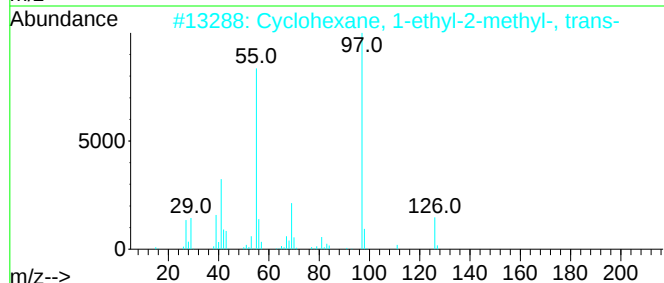
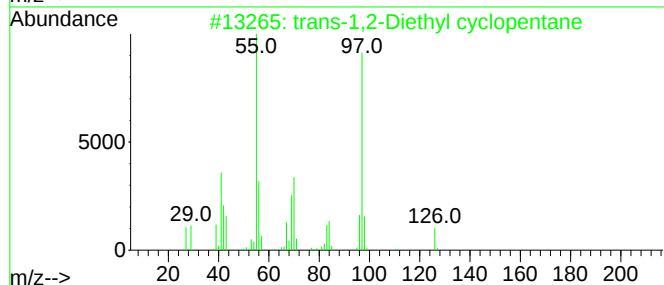
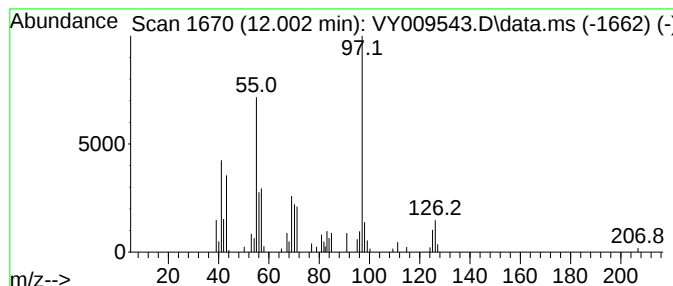
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
Quant Title : SW846 8260

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

Peak Number 2 trans-1,2-Diethyl cyclopentane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.002	5.42 ug/l	57917	Chlorobenzene-d5	11.489

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	64
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	53
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	49
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49
5			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	47



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Misc : 5.02g/5.0mL/MSVOA_Y/soil
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220497B-SIM/C3B-COMPOSITE

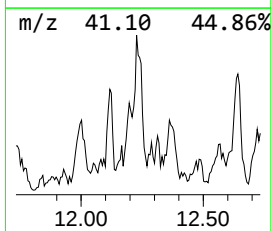
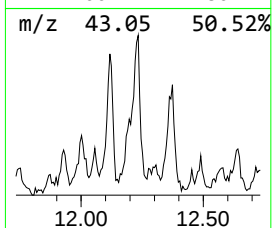
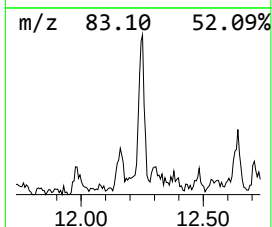
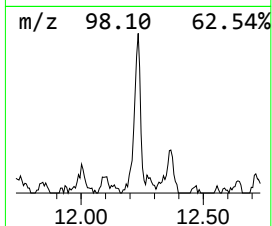
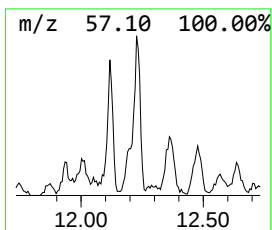
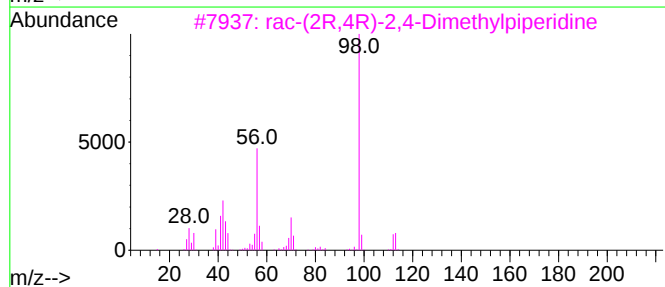
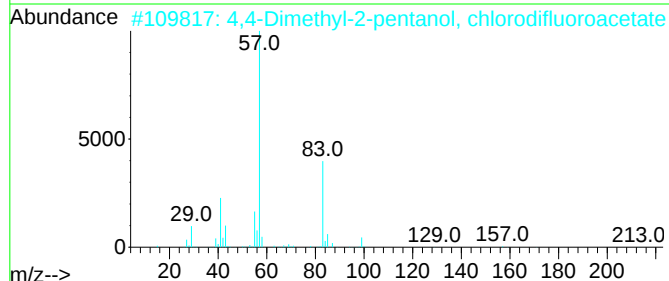
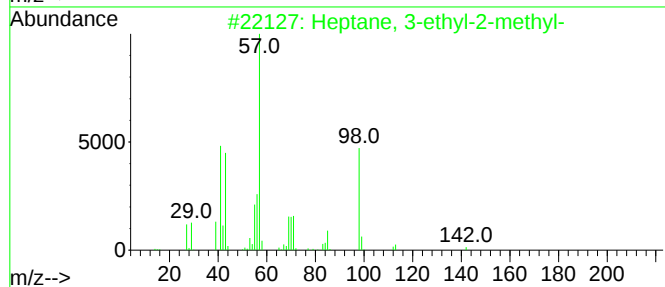
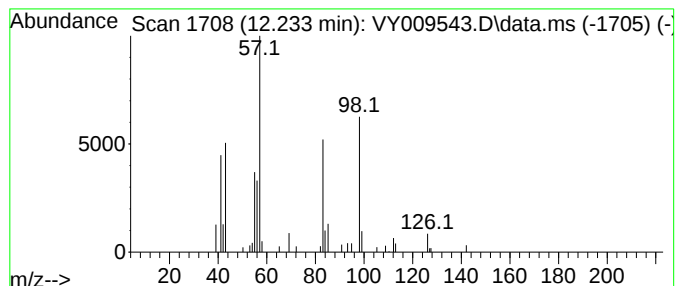
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Heptane, 3-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	5.20 ug/l	55601	Chlorobenzene-d5	11.489

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
2			4,4-Dimethyl-2-pentanol, chlorod...	228	C9H15ClF2O2	1000376-27-0	38
3			rac-(2R,4R)-2,4-Dimethylpiperidine	113	C7H15N	741660-40-2	35
4			2-Pyrrolidinone, 1-propyl-	127	C7H13NO	003470-99-3	35
5			Nanofin	113	C7H15N	000504-03-0	30



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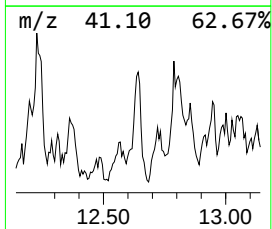
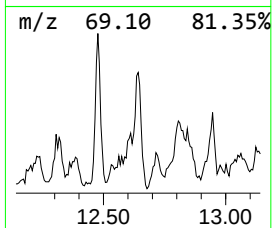
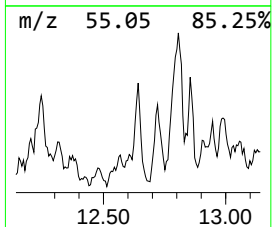
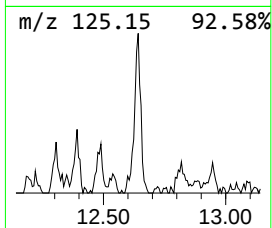
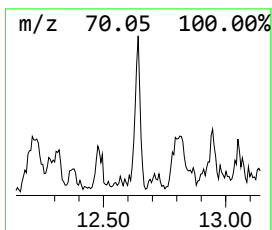
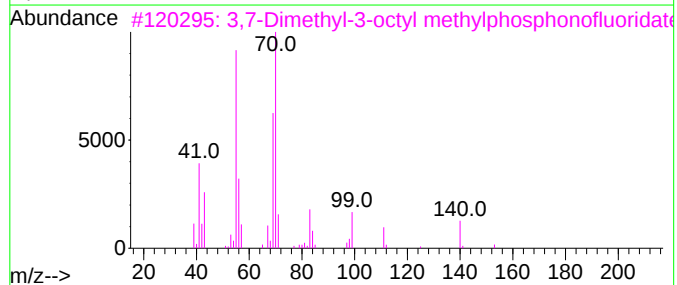
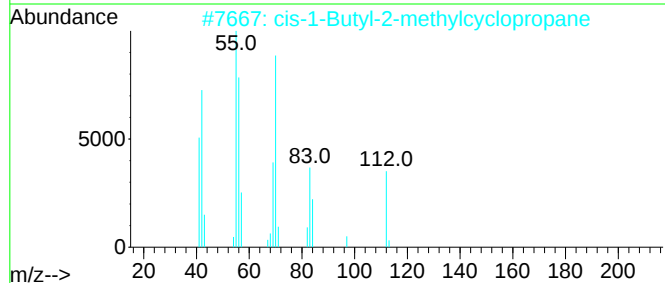
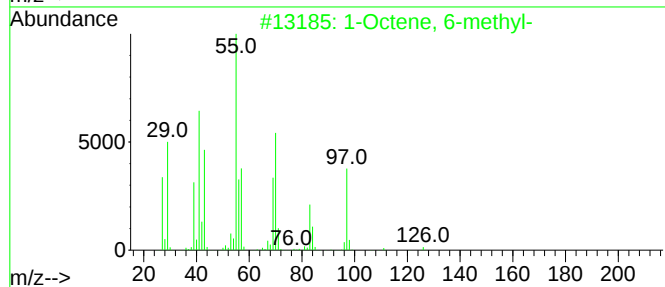
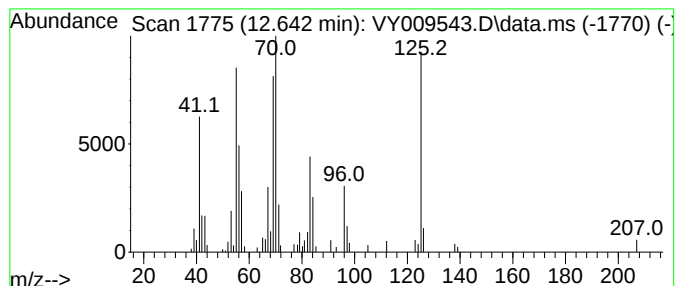
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Quant Title : SW846 8260

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

Peak Number 4 1-Octene, 6-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.642	7.99 ug/l	72974	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octene, 6-methyl-	126	C9H18	013151-10-5	53
2			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
3			3,7-Dimethyl-3-octyl methylphosp...	238	C11H24F02P	159395-79-6	43
4			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	41
5			trans-3-Decene	140	C10H20	019150-21-1	35



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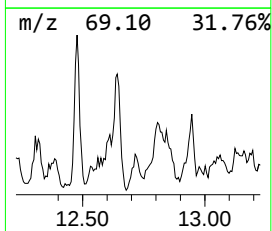
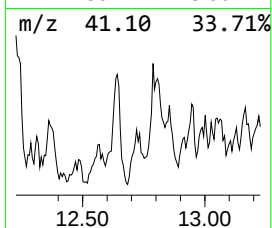
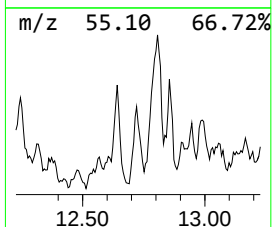
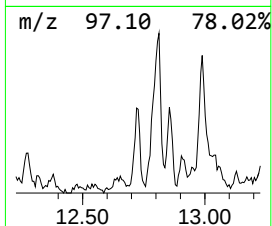
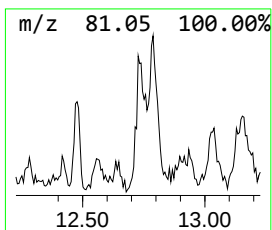
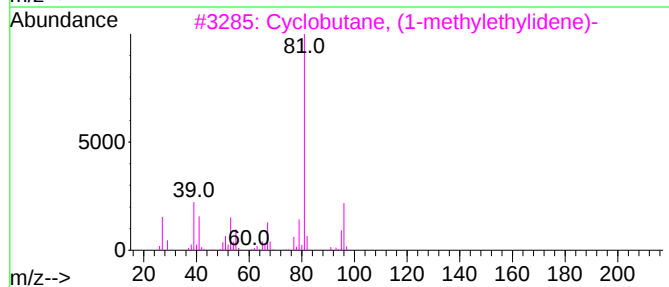
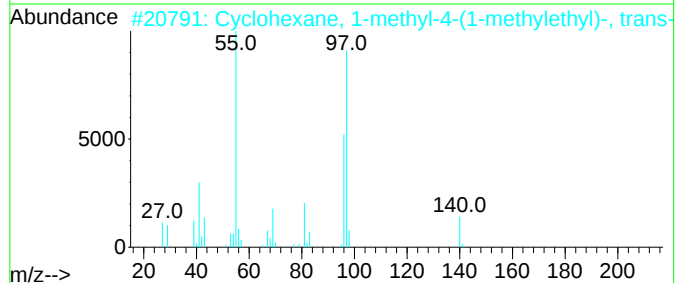
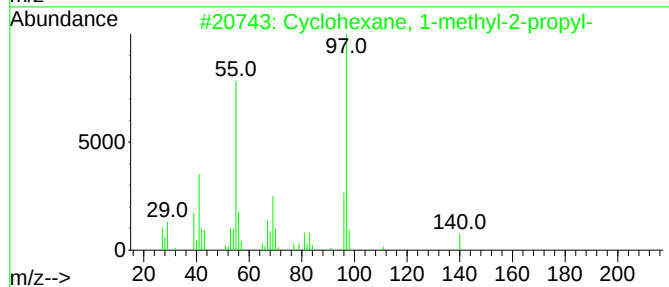
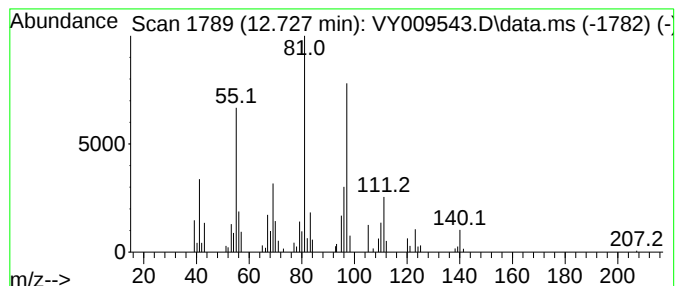
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Quant Title : SW846 8260

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

Peak Number 5 unknown12.727 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.727	6.28 ug/l	57359	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	46
2			Cyclohexane, 1-methyl-4-(1-methyl-2-propyl-)	140	C10H20	001678-82-6	38
3			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	35
4			Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	35
5			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
Data File : VY009543.D
Acq On : 12 Jul 2022 19:21
Operator : KP/MD
Sample : N3662-04
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220497B-SIM/C3B-COMPOSITE

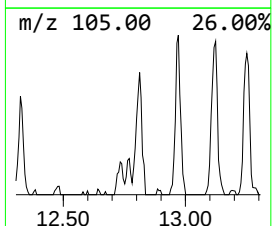
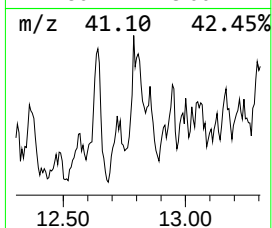
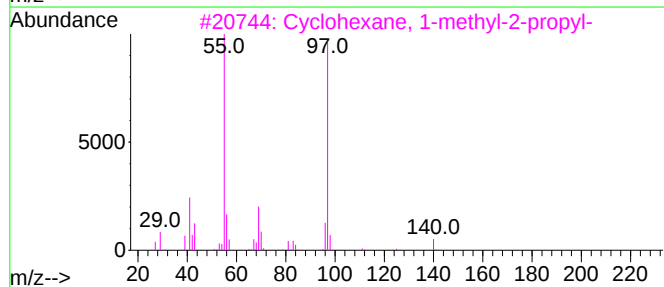
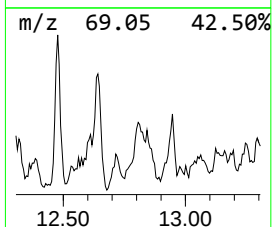
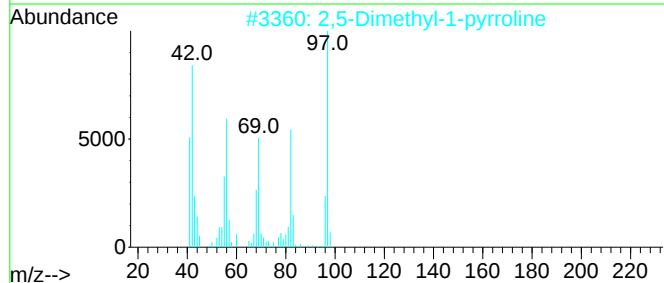
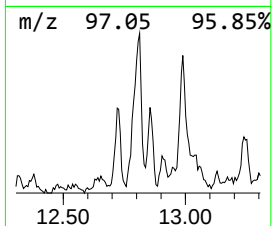
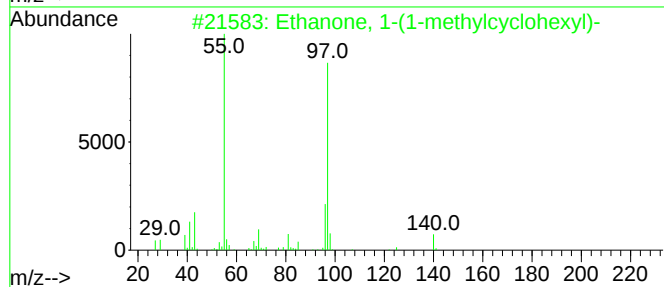
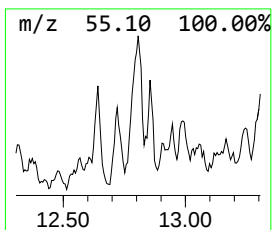
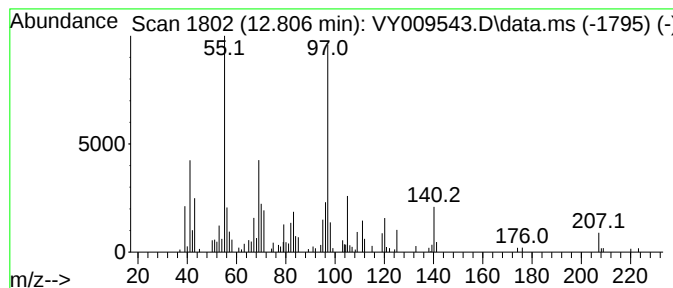
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Quant Title : SW846 8260

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

Peak Number 6 Ethanone, 1-(1-methylcyclohexyl) Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.806	9.90 ug/l	90436	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	50
2			2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	43
3			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	43
4			1-(2-Furyl)-3-buten-1-ol	138	C8H10O2	1000311-94-9	43
5			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
Data File : VY009543.D
Acq On : 12 Jul 2022 19:21
Operator : KP/MD
Sample : N3662-04
Misc : 5.02g/5.0mL/MSVOA_Y/soil
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220497B-SIM/C3B-COMPOSITE

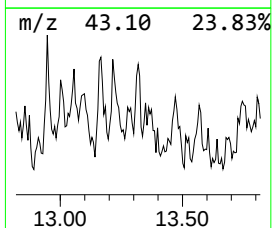
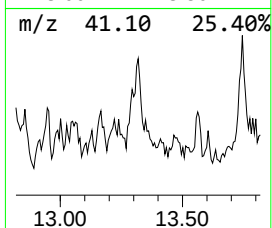
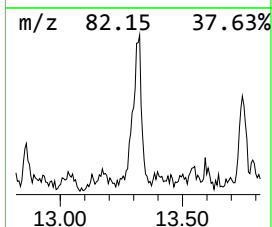
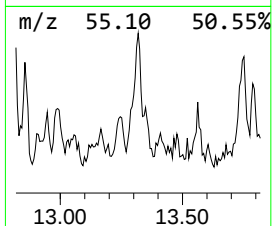
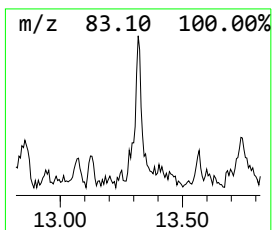
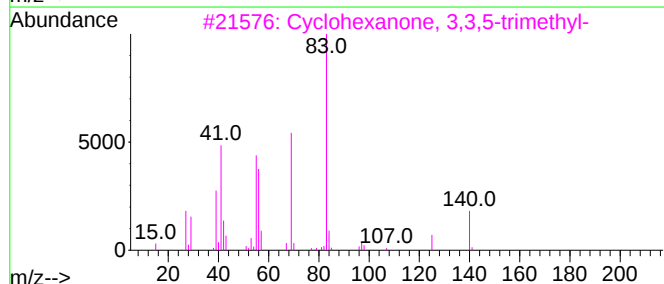
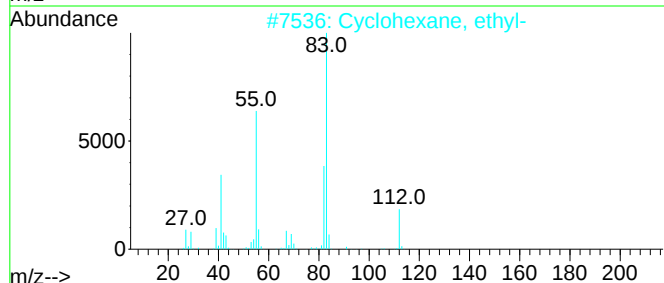
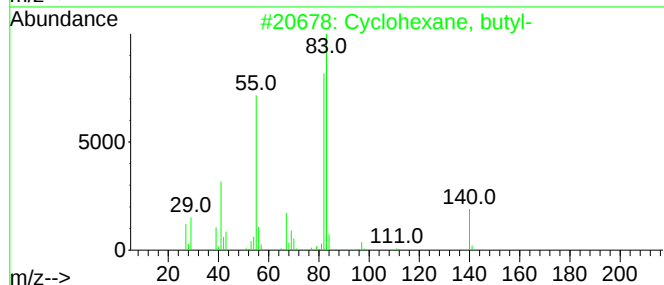
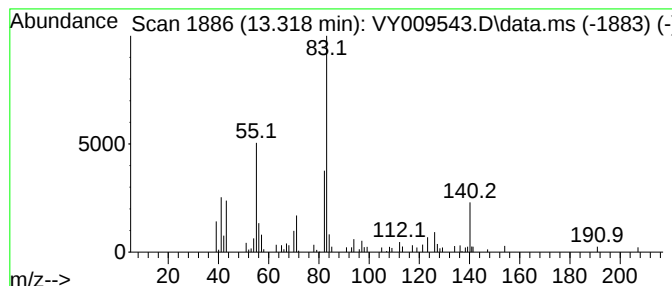
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Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.318	8.40 ug/l	76765	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	52
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	52
3			Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	50
4			1-Propanone, 1-cyclohexyl-	140	C9H16O	001123-86-0	50
5			2-Pentenoic acid, ethyl ester	128	C7H12O2	002445-93-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
Data File : VY009543.D
Acq On : 12 Jul 2022 19:21
Operator : KP/MD
Sample : N3662-04
Misc : 5.02g/5.0mL/MSVOA_Y/soil
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220497B-SIM/C3B-COMPOSITE

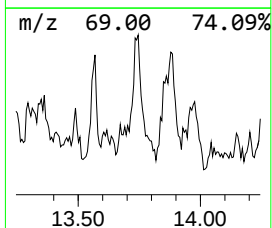
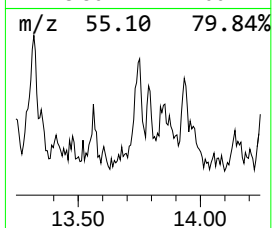
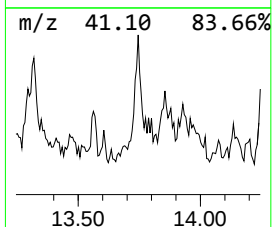
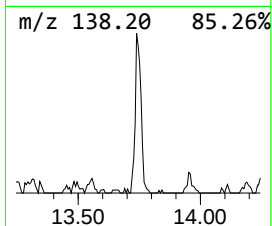
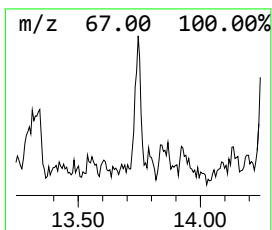
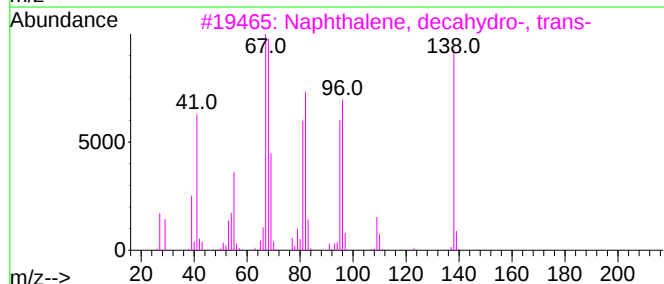
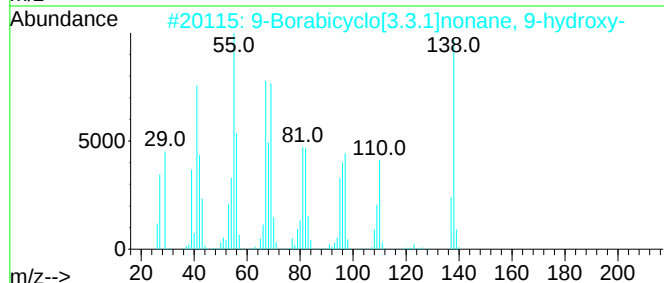
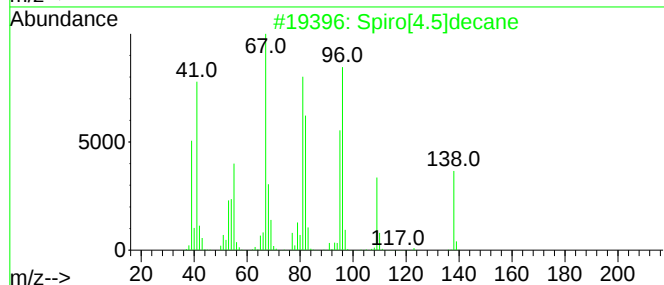
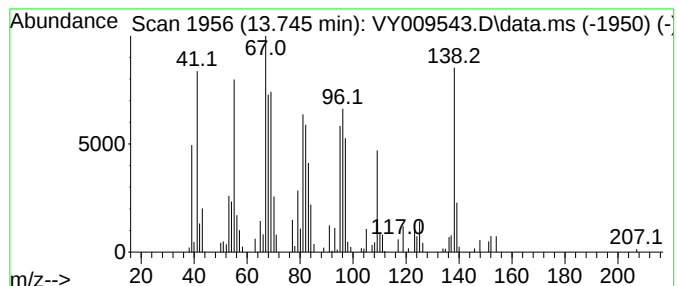
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Quant Title : SW846 8260

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

Peak Number 8 Spiro[4.5]decane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	9.39 ug/l	85808	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Spiro[4.5]decane	138	C10H18	000176-63-6	91
2			9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	74
3			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	70
4			1H-Inden-1-one, octahydro-, trans-	138	C9H14O	016783-22-5	60
5			Naphthalene, decahydro-	138	C10H18	000091-17-8	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
Data File : VY009543.D
Acq On : 12 Jul 2022 19:21
Operator : KP/MD
Sample : N3662-04
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220497B-SIM/C3B-COMPOSITE

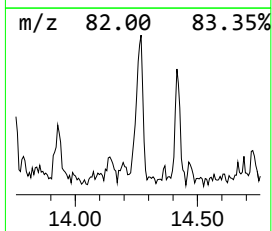
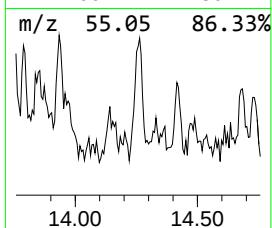
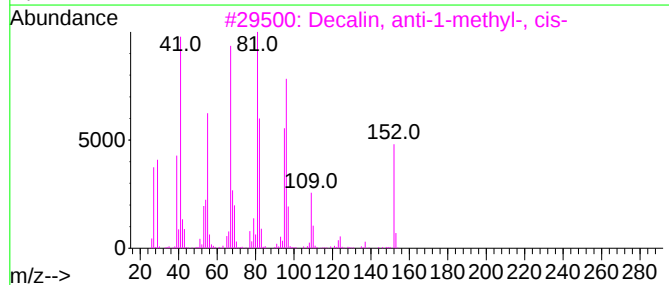
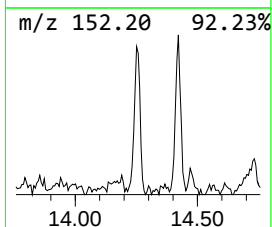
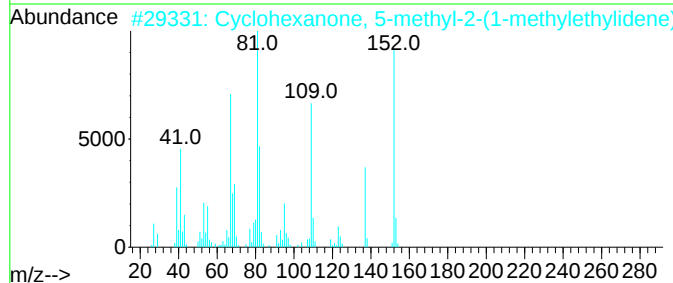
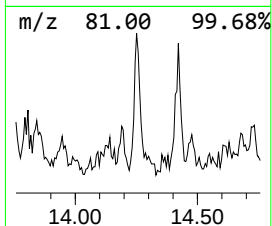
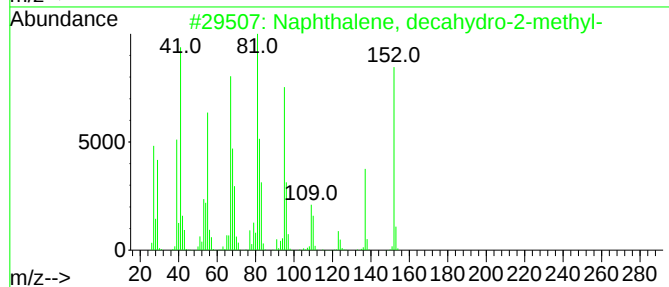
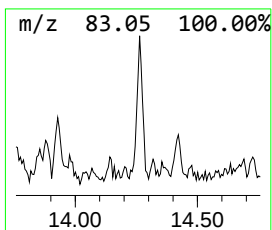
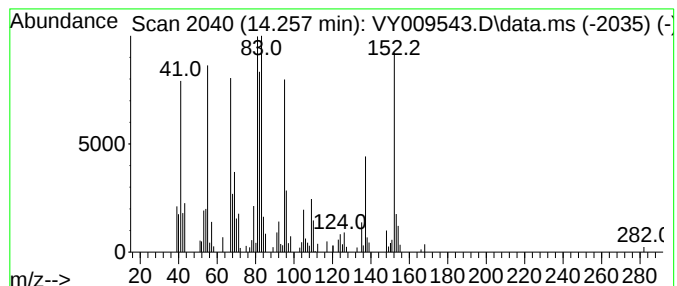
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	7.87 ug/l	71918	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70
3			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	62
4			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	58
5			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
Data File : VY009543.D
Acq On : 12 Jul 2022 19:21
Operator : KP/MD
Sample : N3662-04
Misc : 5.02g/5.0mL/MSVOA_Y/SoIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220497B-SIM/C3B-COMPOSITE

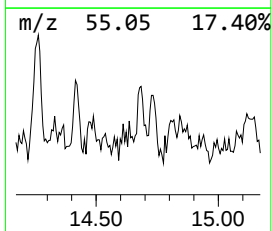
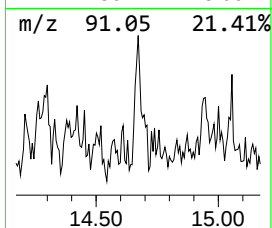
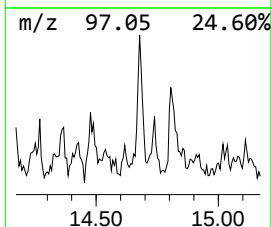
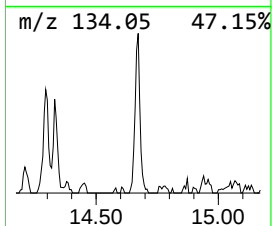
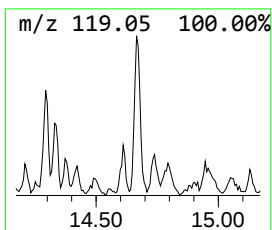
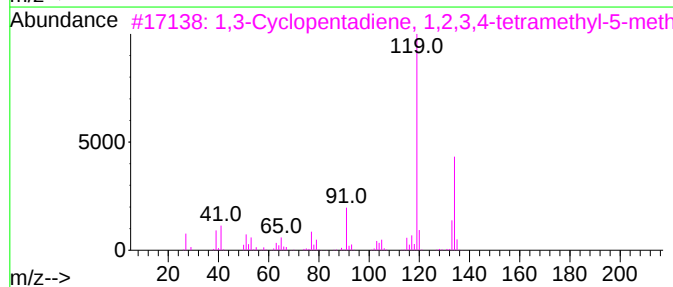
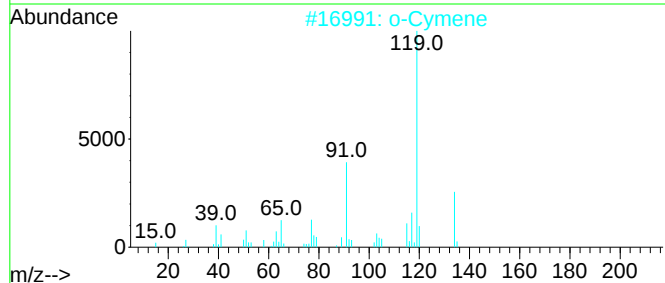
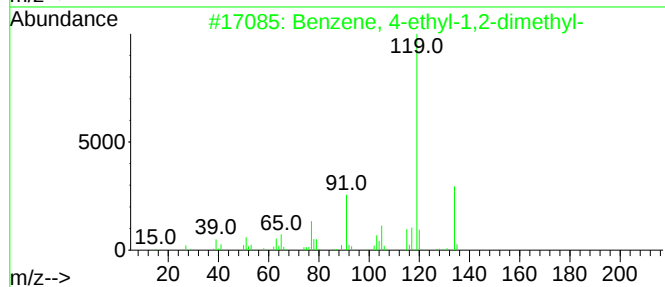
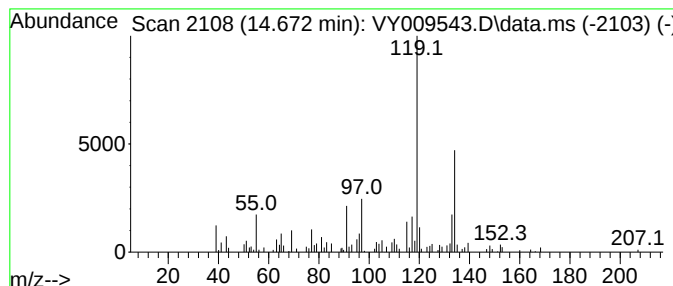
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	6.91 ug/l	63153	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2			o-Cymene	134	C10H14	000527-84-4	89
3			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071222\
Data File : VY009543.D
Acq On : 12 Jul 2022 19:21
Operator : KP/MD
Sample : N3662-04
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220497B-SIM/C3B-COMPOSITE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
Quant Title : SW846 8260

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

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					#	RT	Resp	Conc
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Heptane, 3-ethy...	12.233	5.2	ug/l	55601	3	11.489	534710	50.0
1-Octene, 6-met...	12.642	8.0	ug/l	72974	4	13.422	456697	50.0
unknown12.727	12.727	6.3	ug/l	57359	4	13.422	456697	50.0
Ethanone, 1-(1-...	12.806	9.9	ug/l	90436	4	13.422	456697	50.0
Cyclohexane, bu...	13.318	8.4	ug/l	76765	4	13.422	456697	50.0
Spiro[4.5]decane	13.745	9.4	ug/l	85808	4	13.422	456697	50.0
Naphthalene, de...	14.257	7.9	ug/l	71918	4	13.422	456697	50.0
Benzene, 4-ethy...	14.672	6.9	ug/l	63153	4	13.422	456697	50.0