

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007183.D
 Acq On : 17 Jan 2022 13:03
 Operator : SY/MD
 Sample : N1152-01
 Misc : 5.37/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VACLOT-TOPSOIL-01

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\82Y011322S.M
 Title : SW846 8260

Signal : TIC: VY007183.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.863	4	7	15	rVB	19769	32963	4.65%	0.423%
2	2.400	85	95	96	rBV3	11838	24554	3.46%	0.315%
3	7.722	957	968	973	rBV	98469	238012	33.57%	3.055%
4	7.789	973	979	995	rVB	169192	379325	53.50%	4.869%
5	8.143	1028	1037	1051	rBV	91715	206943	29.19%	2.656%
6	8.691	1119	1127	1138	rBV	265480	518041	73.06%	6.650%
7	10.179	1363	1371	1380	rBV	407316	709061	100.00%	9.102%
8	11.294	1552	1554	1563	rVB4	4867	9592	1.35%	0.123%
9	11.386	1563	1569	1576	rBV	7540	12826	1.81%	0.165%
10	11.489	1579	1586	1595	rBV	356265	597127	84.21%	7.665%
11	11.630	1605	1609	1612	rVV4	5052	8508	1.20%	0.109%
12	11.697	1612	1620	1623	rVV4	13087	33235	4.69%	0.427%
13	11.739	1623	1627	1631	rVV2	21563	41451	5.85%	0.532%
14	11.782	1631	1634	1640	rVB3	11678	19148	2.70%	0.246%
15	11.935	1654	1659	1664	rVV2	17926	30304	4.27%	0.389%
16	12.008	1664	1671	1677	rVV4	46318	109015	15.37%	1.399%
17	12.063	1677	1680	1683	rVV2	17041	26291	3.71%	0.337%
18	12.124	1686	1690	1695	rVV	57614	84885	11.97%	1.090%
19	12.203	1695	1703	1706	rVV4	34243	81820	11.54%	1.050%
20	12.245	1706	1710	1716	rVV4	51632	122931	17.34%	1.578%
21	12.325	1720	1723	1725	rVV2	20462	29545	4.17%	0.379%
22	12.373	1725	1731	1735	rVV2	58975	139143	19.62%	1.786%
23	12.416	1735	1738	1743	rVB	97940	143730	20.27%	1.845%
24	12.483	1743	1749	1755	rBV	282767	464792	65.55%	5.966%
25	12.575	1755	1764	1768	rBV4	36518	86307	12.17%	1.108%
26	12.611	1768	1770	1772	rVV2	20022	26068	3.68%	0.335%
27	12.648	1772	1776	1783	rVB5	46976	100236	14.14%	1.287%
28	12.727	1783	1789	1794	rBV4	40559	97865	13.80%	1.256%
29	12.812	1794	1803	1808	rVV2	132457	311106	43.88%	3.993%
30	12.867	1808	1812	1817	rVV	83377	141325	19.93%	1.814%
31	12.916	1817	1820	1822	rVV3	18413	27600	3.89%	0.354%
32	12.953	1822	1826	1830	rVV	96872	164635	23.22%	2.113%
33	13.007	1830	1835	1837	rVV3	116754	213844	30.16%	2.745%
34	13.044	1837	1841	1847	rVV	233272	402312	56.74%	5.164%
35	13.105	1847	1851	1857	rVV3	69739	152207	21.47%	1.954%
36	13.172	1857	1862	1866	rVV2	86013	151597	21.38%	1.946%

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Peak Location: TOP

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

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37	13.221	1867	1870	1874	rVV2	53368	108724	15.33%	1.396%
38	13.325	1878	1887	1891	rVV2	144513	322550	45.49%	4.140%
39	13.367	1891	1894	1898	rVV3	66217	107134	15.11%	1.375%
40	13.428	1898	1904	1918	rVB	291833	504786	71.19%	6.479%
41	13.605	1929	1933	1942	rVB6	23630	53306	7.52%	0.684%
42	13.696	1942	1948	1952	rVV4	16229	43294	6.11%	0.556%
43	13.751	1952	1957	1962	rVV3	100459	186801	26.34%	2.398%
44	13.794	1962	1964	1969	rVV2	29594	49834	7.03%	0.640%
45	13.861	1971	1975	1979	rVV5	28710	57436	8.10%	0.737%
46	13.922	1981	1985	1989	rVV7	25431	62485	8.81%	0.802%
47	13.971	1989	1993	1998	rVV4	32417	66429	9.37%	0.853%
48	14.020	1998	2001	2006	rVB5	13709	22527	3.18%	0.289%
49	14.080	2006	2011	2016	rBV3	22105	35045	4.94%	0.450%
50	14.141	2016	2021	2027	rVB8	13278	29043	4.10%	0.373%
51	14.208	2027	2032	2037	rBV6	12198	27575	3.89%	0.354%
52	14.269	2037	2042	2050	rVV8	19807	54554	7.69%	0.700%
53	14.337	2050	2053	2057	rVB	11025	15288	2.16%	0.196%
54	14.385	2057	2061	2064	rBV5	7173	10825	1.53%	0.139%
55	14.422	2064	2067	2071	rVB6	8538	12710	1.79%	0.163%
56	14.617	2095	2099	2104	rVB5	6810	10446	1.47%	0.134%
57	14.690	2104	2111	2115	rBV4	12964	25900	3.65%	0.332%
58	14.733	2115	2118	2125	rVB3	6719	13226	1.87%	0.170%
59	15.147	2182	2186	2193	rVB7	3918	7527	1.06%	0.097%
60	15.227	2193	2199	2200	rBV4	4314	7907	1.12%	0.101%
61	15.397	2219	2227	2230	rBV	9430	16836	2.37%	0.216%

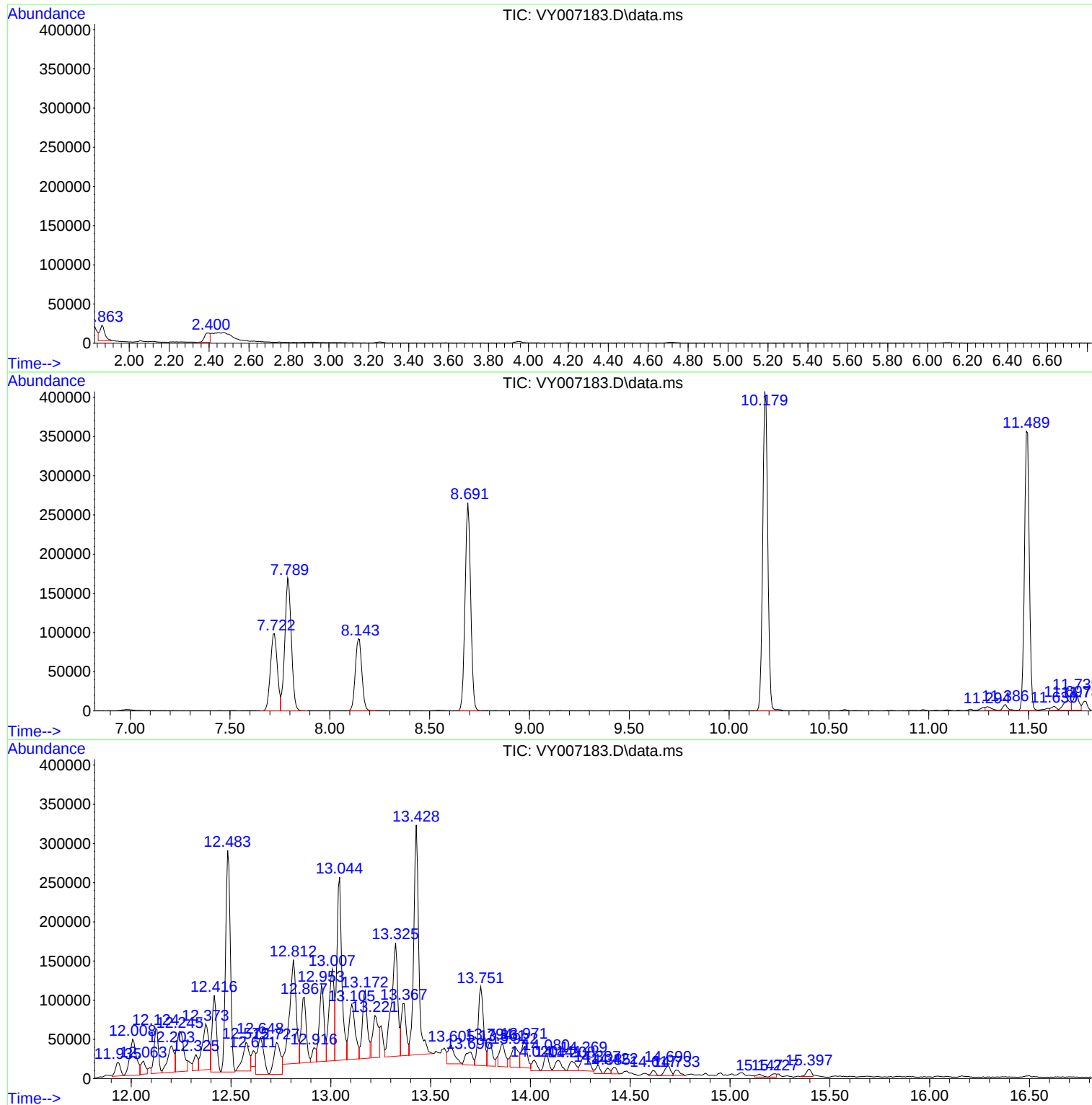
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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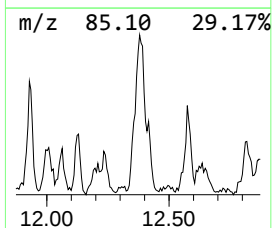
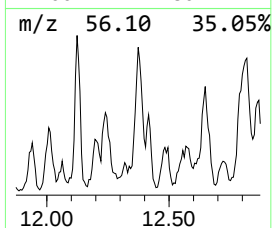
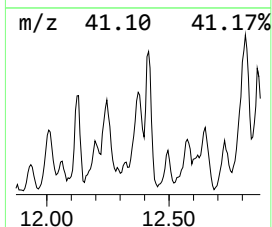
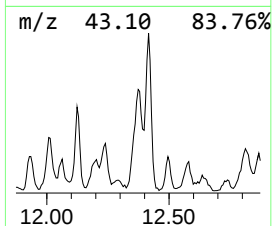
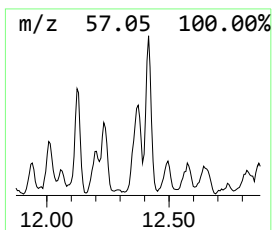
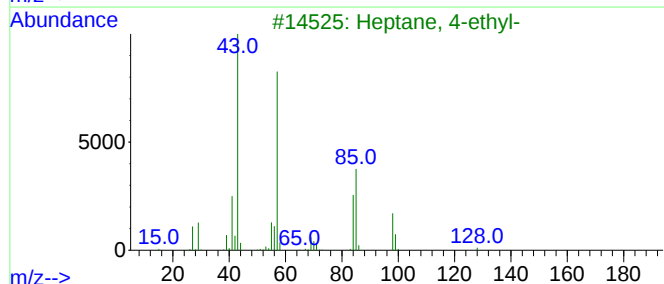
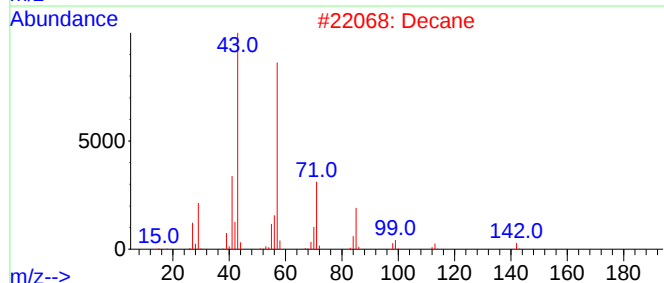
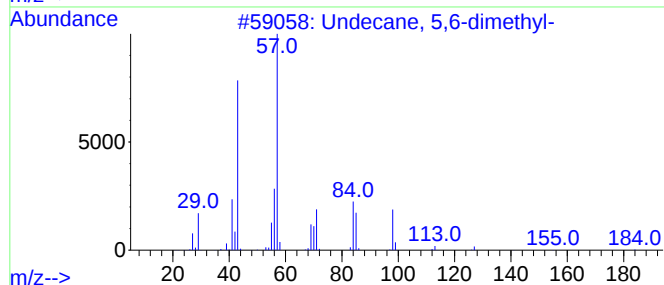
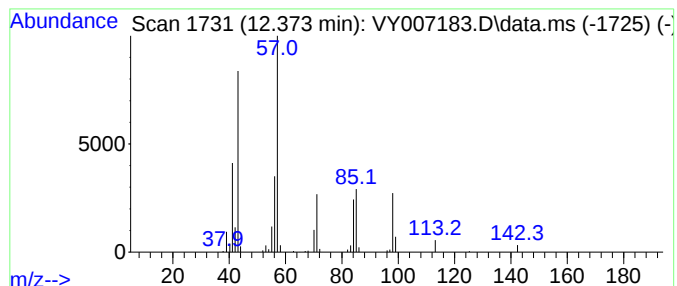
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
Quant Title : SW846 8260

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

Peak Number 1 Undecane, 5,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.374	11.65 ug/l	139143	Chlorobenzene-d5	11.496

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	59
2			Decane	142	C10H22	000124-18-5	52
3			Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50



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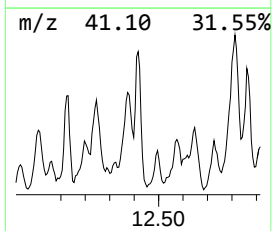
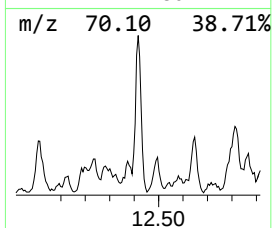
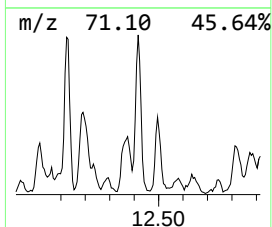
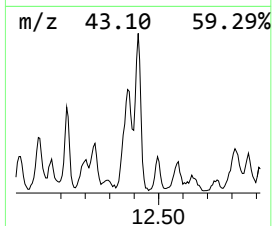
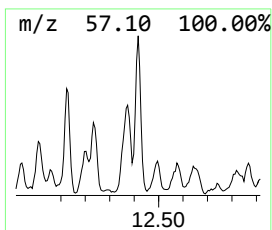
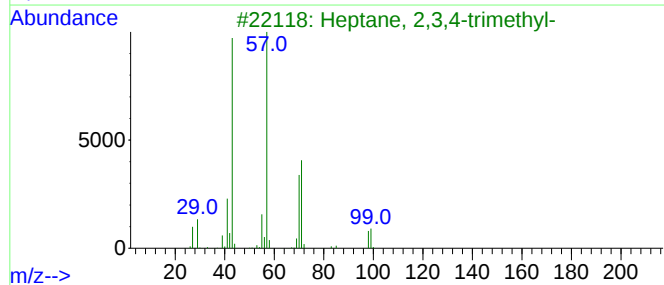
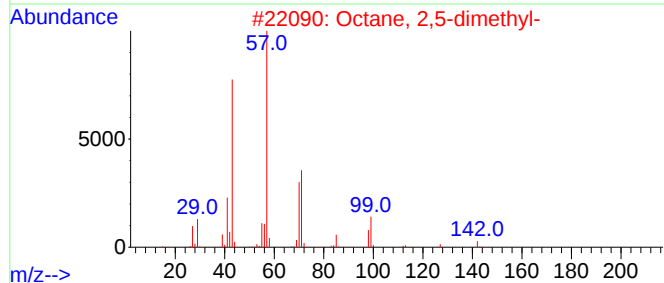
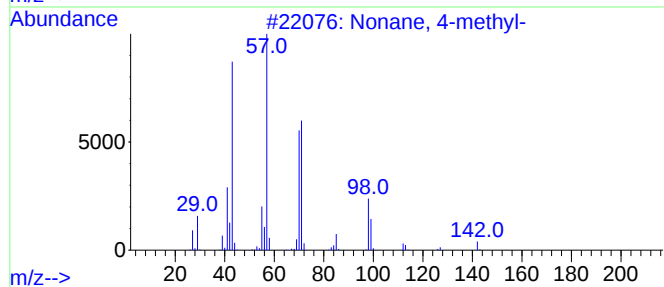
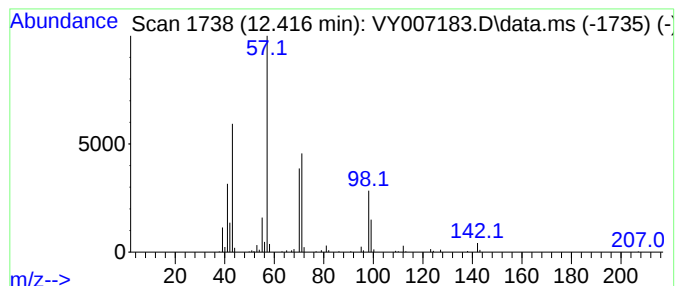
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Nonane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	12.04 ug/l	143730	Chlorobenzene-d5	11.496

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	86
2			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	72
3			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
4			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	50



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ALS Vial : 7 Sample Multiplier: 1

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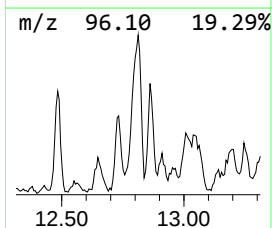
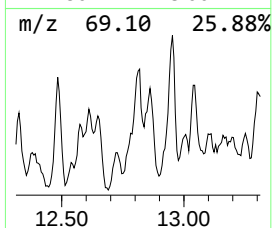
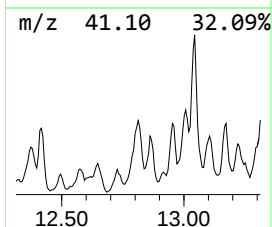
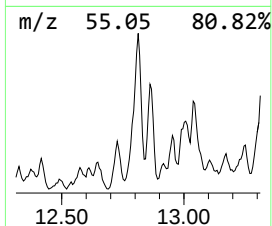
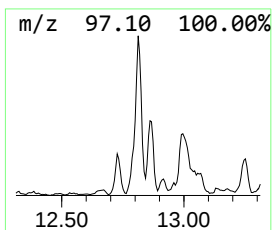
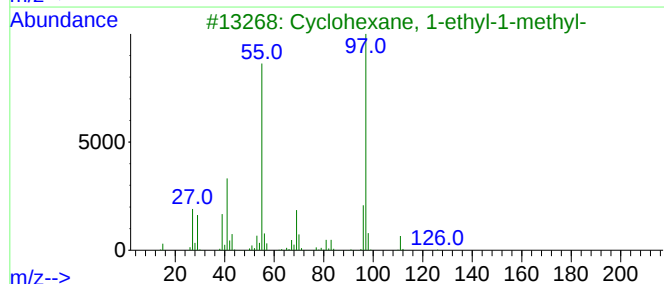
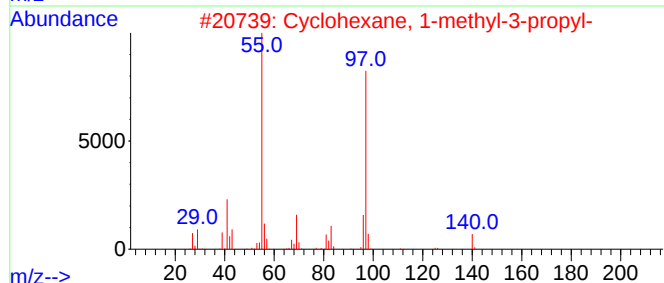
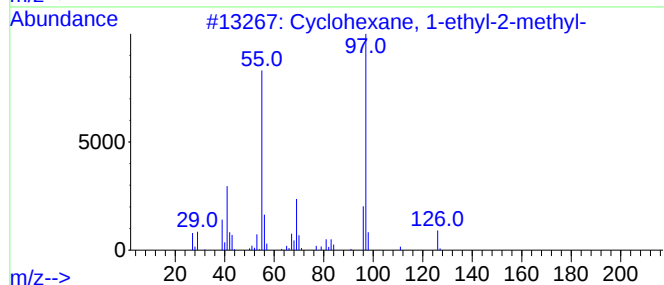
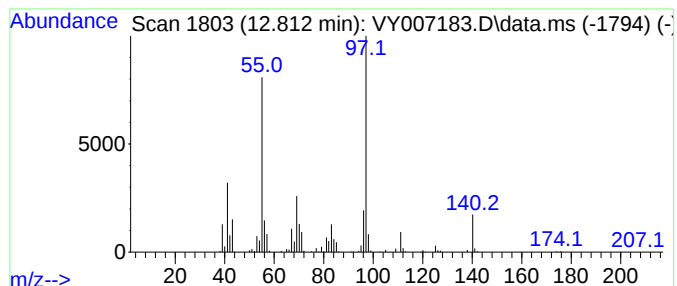
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.812	30.82 ug/l	311106	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	76
2			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	70
3			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64
4			3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	58
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	53



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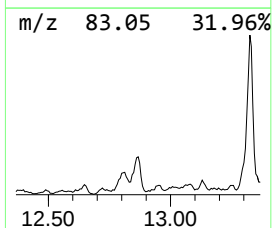
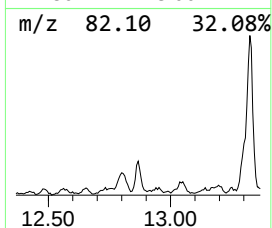
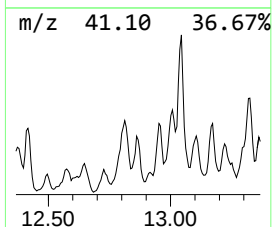
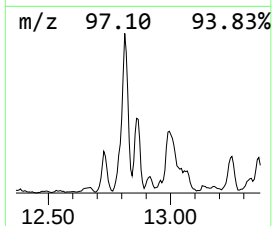
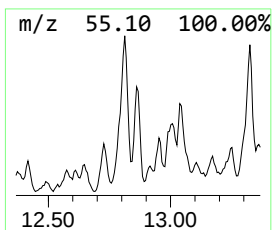
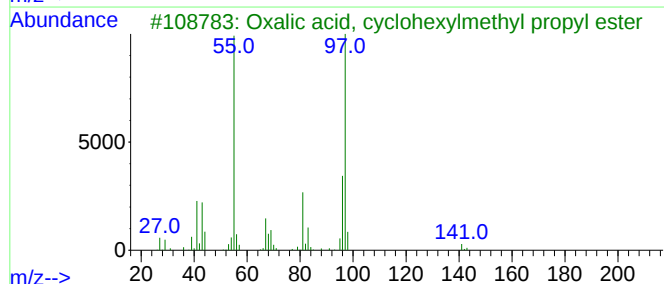
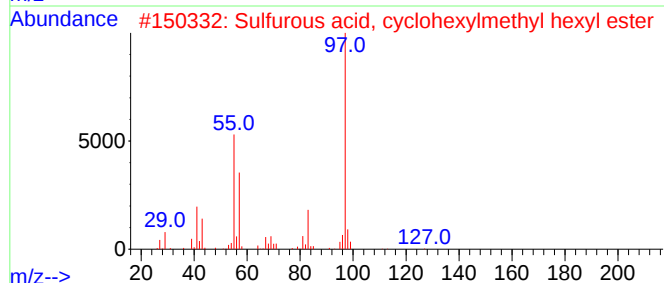
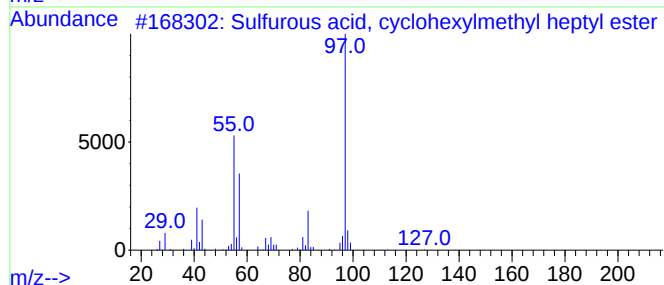
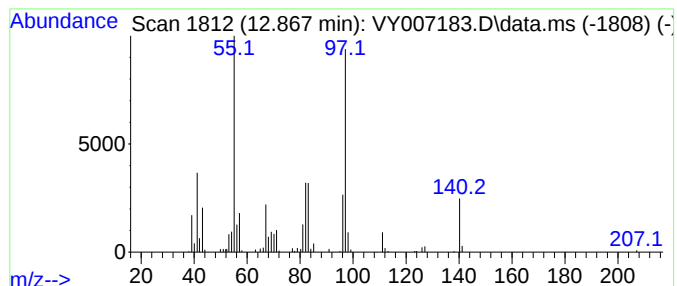
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Quant Title : SW846 8260

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

Peak Number 4 Sulfurous acid, cyclohexylm... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	14.00 ug/l	141325	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	52
2			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1010309-21-6	52
3			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	50
4			Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	50
5			Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	50



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ClientSampleId :
VACLOT-TOPSOIL-01

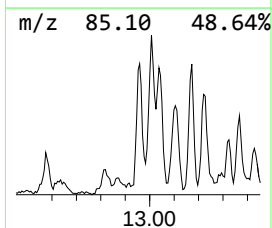
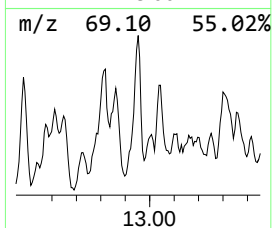
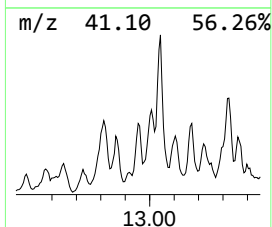
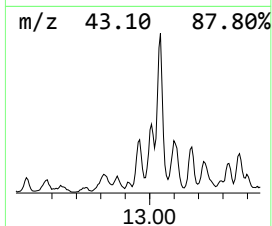
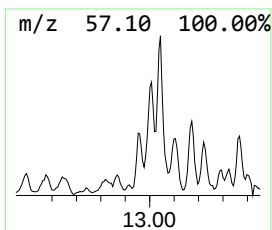
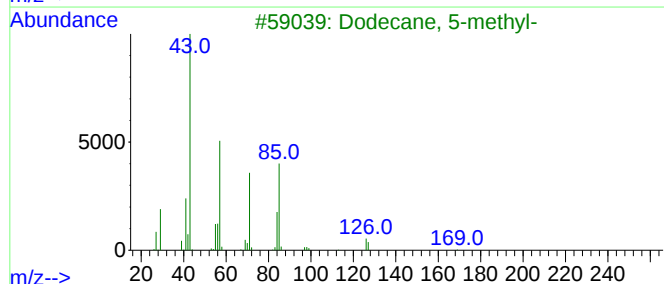
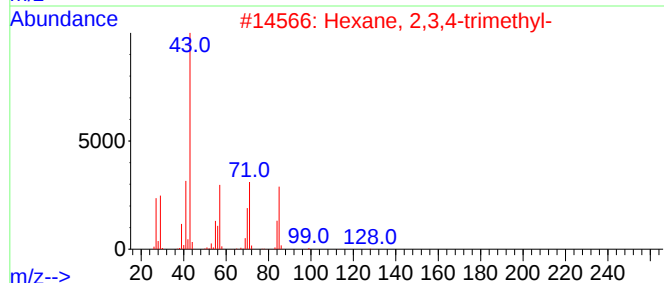
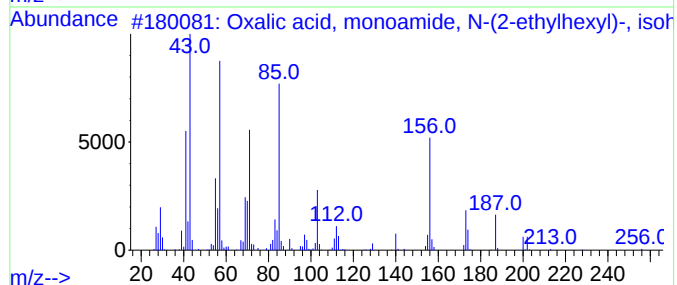
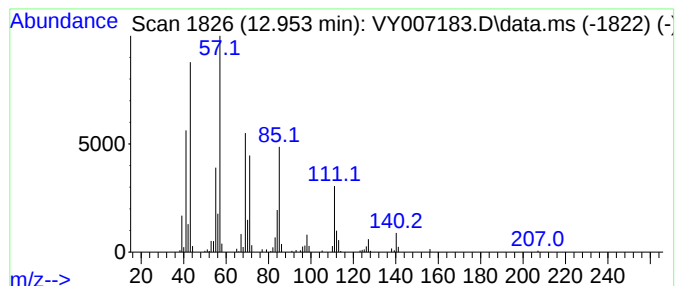
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Quant Title : SW846 8260

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

Peak Number 5 Oxalic acid, monoamide, N-(... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.953	16.31 ug/l	164635	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, monoamide, N-(2-eth...	285	C16H31NO3	1000309-32-1	53
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	52
3			Dodecane, 5-methyl-	184	C13H28	017453-93-9	50
4			Undecane, 5-methyl-	170	C12H26	001632-70-8	50
5			Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
Data File : VY007183.D
Acq On : 17 Jan 2022 13:03
Operator : SY/MD
Sample : N1152-01
Misc : 5.37/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

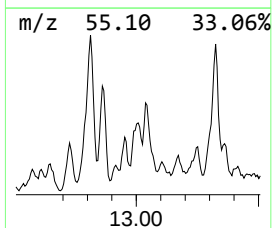
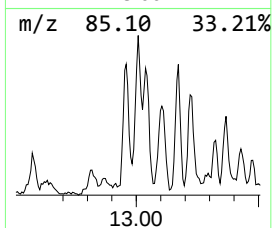
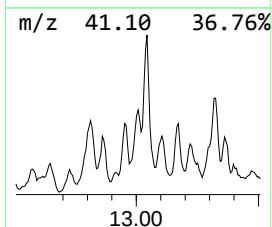
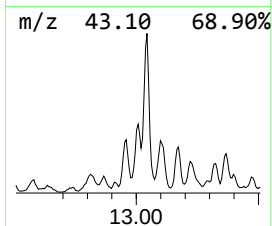
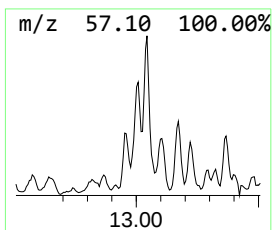
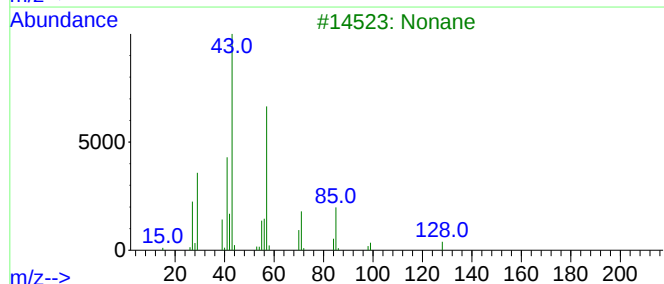
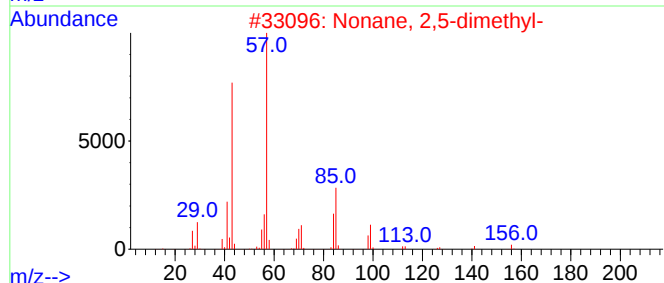
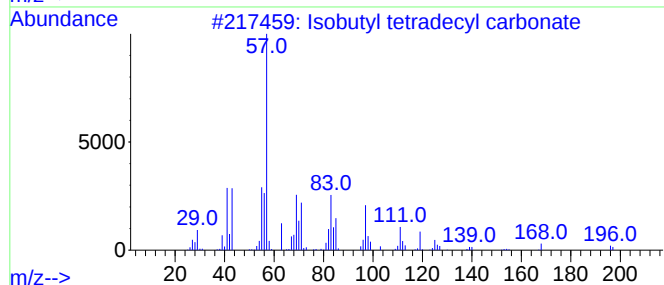
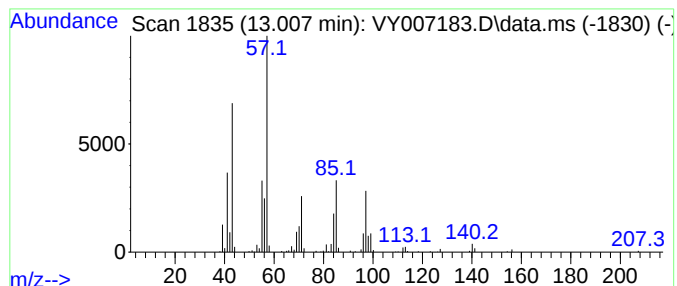
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Quant Title : SW846 8260

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

Peak Number 6 Isobutyl tetradecyl carbonate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.008	21.18 ug/l	213844	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isobutyl tetradecyl carbonate	314	C19H38O3	959275-58-2	59
2			Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	53
3			Nonane	128	C9H20	000111-84-2	50
4			Undecane	156	C11H24	001120-21-4	47
5			Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
Data File : VY007183.D
Acq On : 17 Jan 2022 13:03
Operator : SY/MD
Sample : N1152-01
Misc : 5.37/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

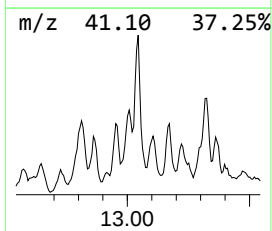
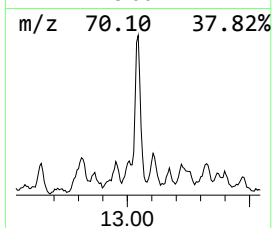
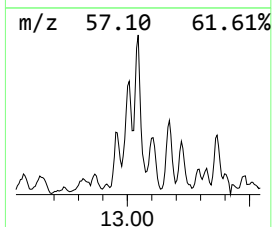
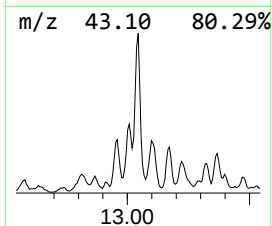
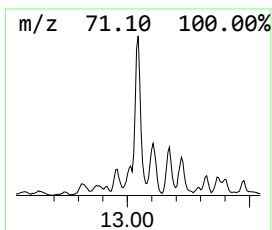
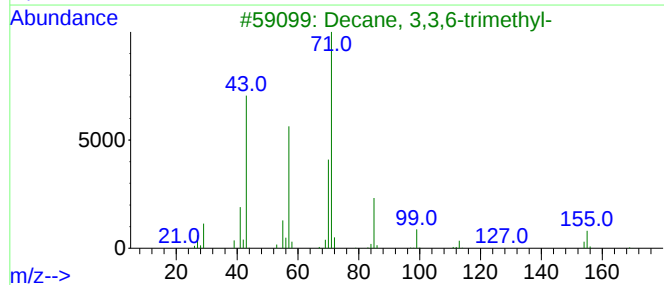
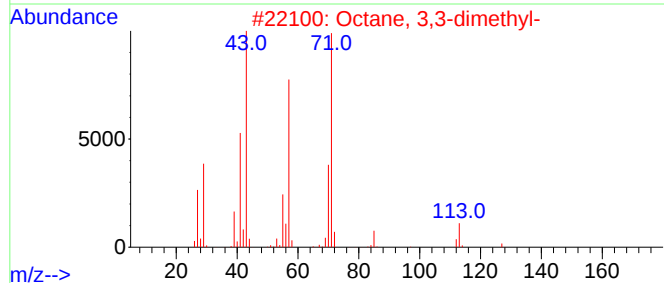
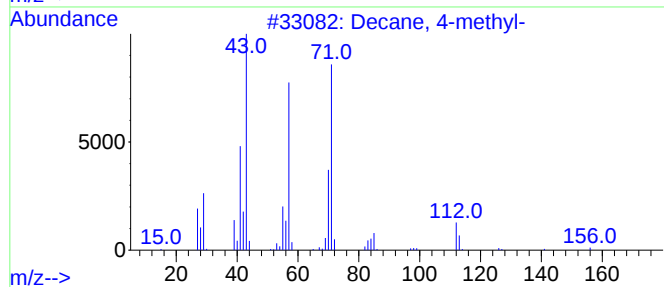
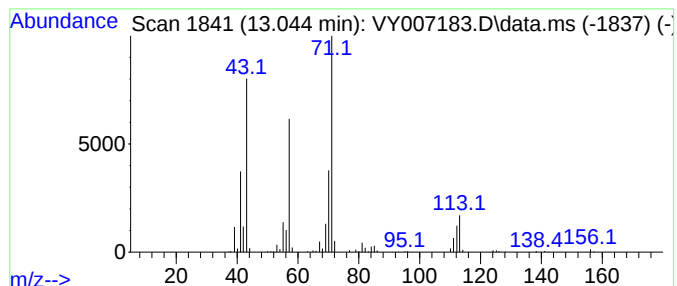
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Quant Title : SW846 8260

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

Peak Number 7 Decane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.044	39.85 ug/l	402312	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	80
2			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
3			Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	64
4			Decane, 2,8,8-trimethyl-	184	C13H28	1000060-81-2	64
5			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
Data File : VY007183.D
Acq On : 17 Jan 2022 13:03
Operator : SY/MD
Sample : N1152-01
Misc : 5.37/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

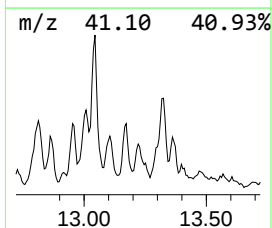
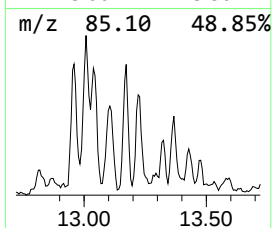
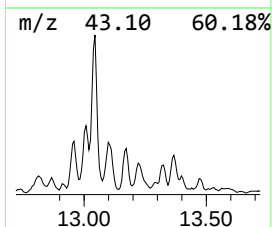
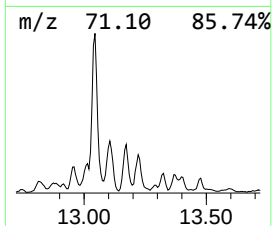
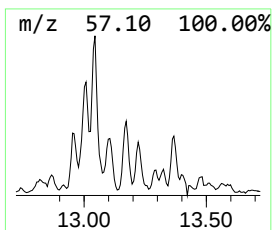
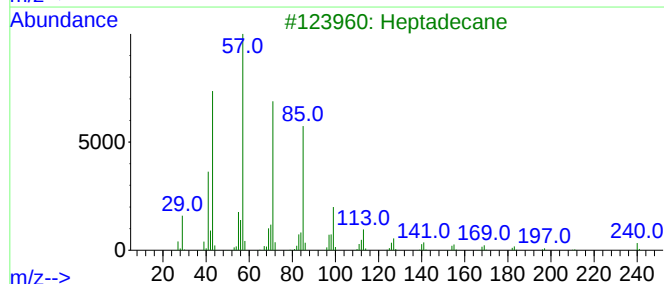
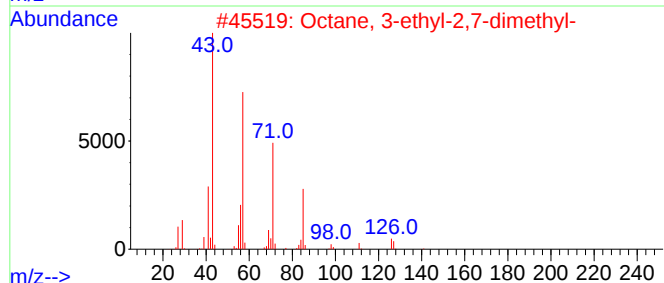
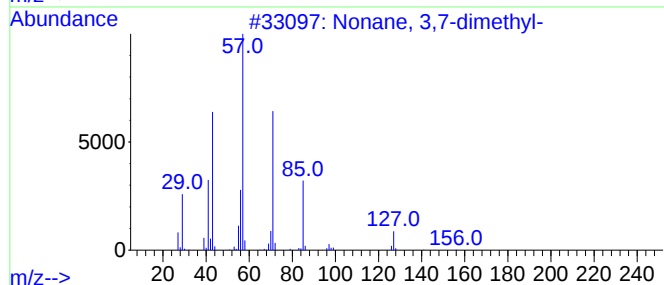
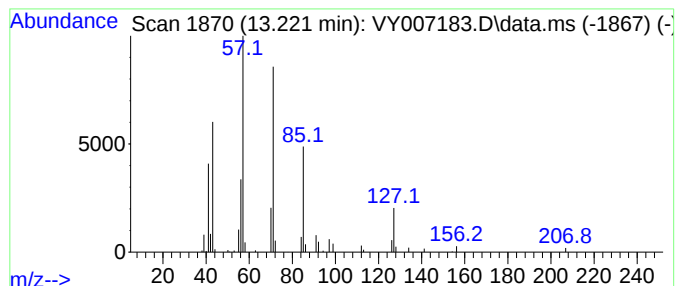
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Quant Title : SW846 8260

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

Peak Number 8 Nonane, 3,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.221	10.77 ug/l	108724	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	83
2			Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	64
3			Heptadecane	240	C17H36	000629-78-7	59
4			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
Data File : VY007183.D
Acq On : 17 Jan 2022 13:03
Operator : SY/MD
Sample : N1152-01
Misc : 5.37/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

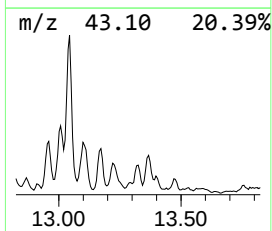
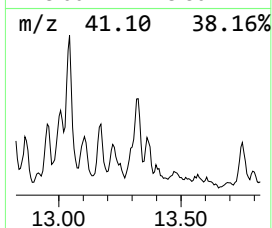
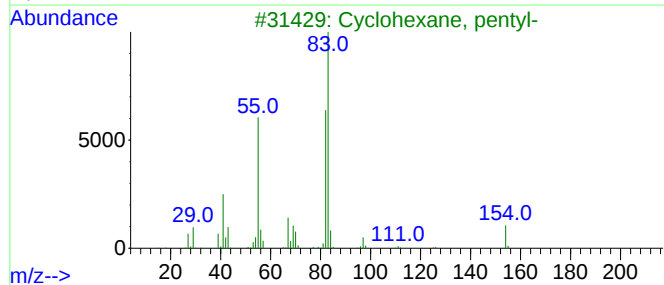
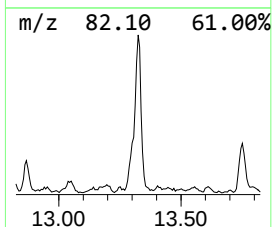
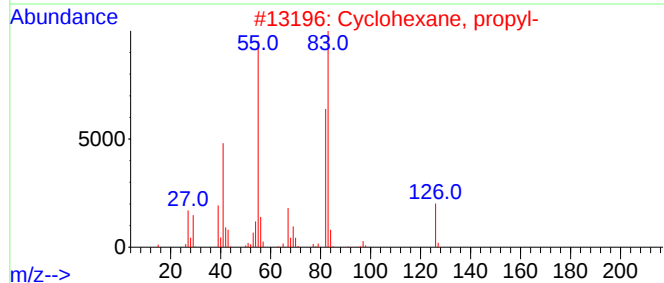
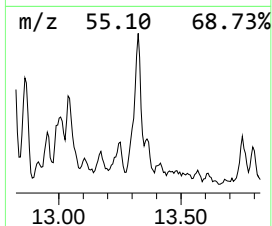
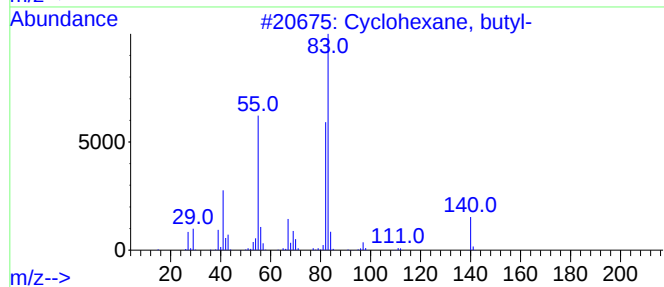
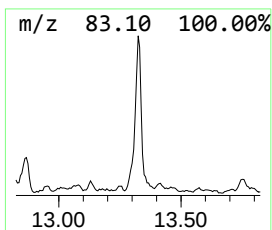
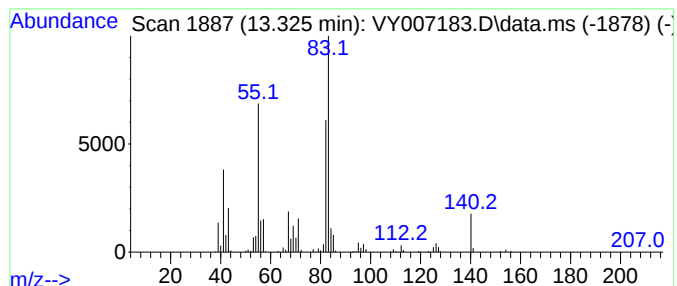
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, butyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.325	31.95 ug/l	322550	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	94
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
4			Cyclohexane, octyl-	196	C14H28	001795-15-9	72
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
Data File : VY007183.D
Acq On : 17 Jan 2022 13:03
Operator : SY/MD
Sample : N1152-01
Misc : 5.37/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

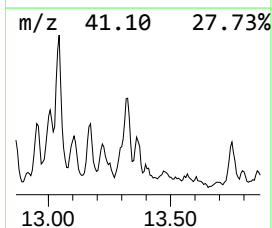
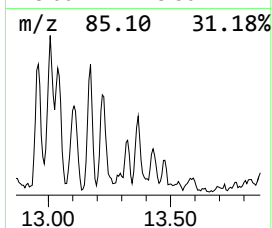
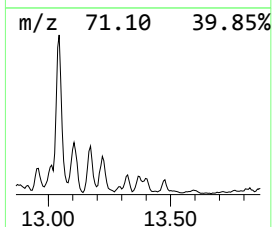
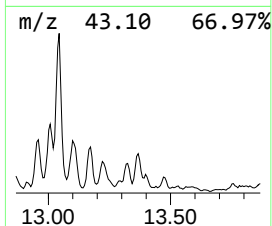
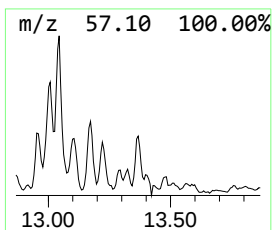
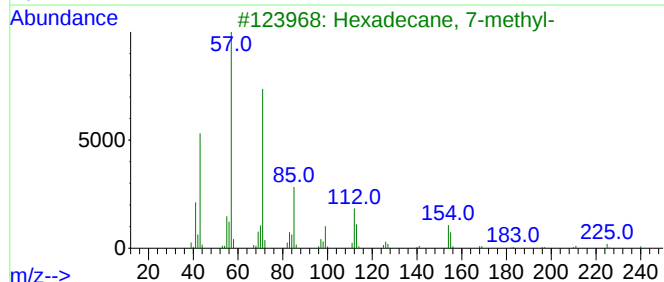
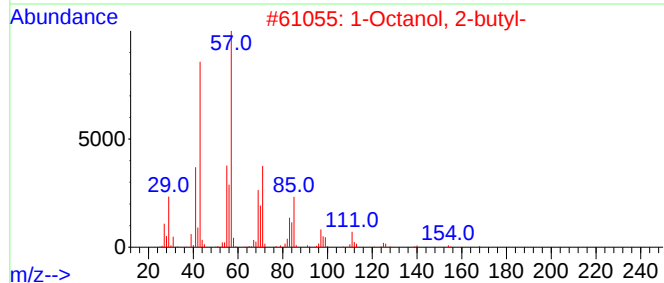
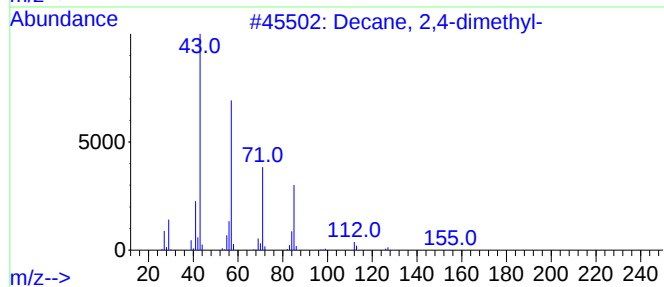
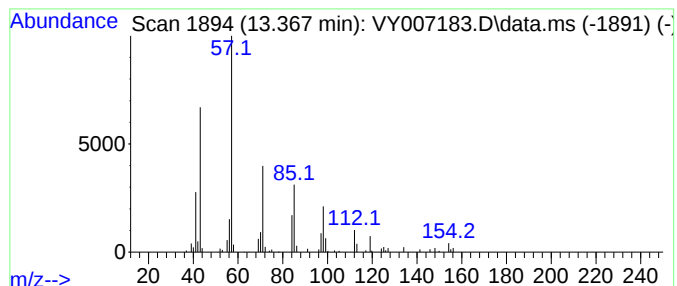
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Quant Title : SW846 8260

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

Peak Number 10 Decane, 2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.367	10.61 ug/l	107134	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	53
2			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	53
3			Hexadecane, 7-methyl-	240	C17H36	026730-20-1	50
4			Hexatriacontane	507	C36H74	000630-06-8	50
5			Hexadecane	226	C16H34	000544-76-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
Data File : VY007183.D
Acq On : 17 Jan 2022 13:03
Operator : SY/MD
Sample : N1152-01
Misc : 5.37/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.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, 4-methyl-	12.416	12.0	ug/l	143730	3	11.496	597127	50.0
Cyclohexane, 1-...	12.812	30.8	ug/l	311106	4	13.428	504786	50.0
Sulfurous acid,...	12.867	14.0	ug/l	141325	4	13.428	504786	50.0
Oxalic acid, mo...	12.953	16.3	ug/l	164635	4	13.428	504786	50.0
Isobutyl tetrad...	13.008	21.2	ug/l	213844	4	13.428	504786	50.0
Decane, 4-methyl-	13.044	39.9	ug/l	402312	4	13.428	504786	50.0
Nonane, 3,7-dim...	13.221	10.8	ug/l	108724	4	13.428	504786	50.0
Cyclohexane, bu...	13.325	31.9	ug/l	322550	4	13.428	504786	50.0
Decane, 2,4-dim...	13.367	10.6	ug/l	107134	4	13.428	504786	50.0