

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012528.D
 Acq On : 07 Feb 2023 18:57
 Operator : KP/MD
 Sample : 01465-06
 Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-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\82Y020723S.M
 Title : SW846 8260

Signal : TIC: VY012528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.253	67	71	76	rVB2	7696	12157	1.90%	0.185%
2	3.948	339	349	357	rBV2	25177	68590	10.72%	1.045%
3	4.033	358	363	372	rVB2	6747	17357	2.71%	0.264%
4	4.198	380	390	410	rVB	50807	141455	22.12%	2.155%
5	6.984	838	847	858	rBV2	30756	84635	13.23%	1.289%
6	7.350	899	907	916	rBV6	2914	8090	1.26%	0.123%
7	7.716	958	967	973	rBV2	93261	220754	34.52%	3.363%
8	7.789	973	979	992	rVB	165762	373150	58.34%	5.684%
9	8.142	1028	1037	1049	rVB	91821	196972	30.80%	3.000%
10	8.691	1117	1127	1136	rBV	239103	473781	74.08%	7.217%
11	8.941	1158	1168	1177	rVB3	8817	18418	2.88%	0.281%
12	10.179	1361	1371	1378	rBV	375052	639579	100.00%	9.742%
13	10.246	1378	1382	1387	rVB	21822	35981	5.63%	0.548%
14	11.288	1543	1553	1562	rVB5	3244	9867	1.54%	0.150%
15	11.489	1578	1586	1598	rBV	345253	598240	93.54%	9.113%
16	11.709	1612	1622	1625	rBV5	14542	36624	5.73%	0.558%
17	11.776	1631	1633	1638	rVB4	4661	6718	1.05%	0.102%
18	11.886	1647	1651	1656	rBV4	6334	10015	1.57%	0.153%
19	12.008	1663	1671	1673	rBV5	16036	36133	5.65%	0.550%
20	12.123	1685	1690	1694	rVB2	17832	26435	4.13%	0.403%
21	12.203	1698	1703	1705	rVV4	11861	20336	3.18%	0.310%
22	12.233	1705	1708	1714	rVB4	18391	36114	5.65%	0.550%
23	12.325	1719	1723	1727	rBV3	5661	11137	1.74%	0.170%
24	12.386	1729	1733	1735	rBV4	6995	11702	1.83%	0.178%
25	12.410	1735	1737	1741	rVB	8831	9969	1.56%	0.152%
26	12.483	1743	1749	1754	rBV	275881	428507	67.00%	6.527%
27	12.575	1761	1764	1768	rVB4	7699	9448	1.48%	0.144%
28	12.642	1772	1775	1782	rVB6	20335	40579	6.34%	0.618%
29	12.733	1782	1790	1793	rBV5	21480	48102	7.52%	0.733%
30	12.806	1794	1802	1809	rBV3	70338	147776	23.11%	2.251%
31	12.971	1822	1829	1833	rBV3	31965	77651	12.14%	1.183%
32	13.038	1836	1840	1844	rBV2	46525	69254	10.83%	1.055%
33	13.117	1851	1853	1858	rVB2	20684	29494	4.61%	0.449%
34	13.172	1858	1862	1867	rBV2	19434	27736	4.34%	0.422%
35	13.227	1867	1871	1873	rBV3	14469	22962	3.59%	0.350%
36	13.288	1877	1881	1883	rBV2	29311	40219	6.29%	0.613%

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37	13.343	1884	1890	1897	rVB4	233715	414209	64.76%	6.309%
38	13.428	1897	1904	1910	rBV	314958	524338	81.98%	7.987%
39	13.562	1924	1926	1929	rVB3	7492	8848	1.38%	0.135%
40	13.623	1933	1936	1942	rBV5	9846	19895	3.11%	0.303%
41	13.751	1952	1957	1961	rBV2	83373	130230	20.36%	1.984%
42	13.794	1962	1964	1966	rBV2	7303	7715	1.21%	0.118%
43	13.916	1981	1984	1988	rVB4	16895	21213	3.32%	0.323%
44	13.965	1989	1992	1997	rVB2	33730	52118	8.15%	0.794%
45	14.013	1998	2000	2006	rVB5	24824	35466	5.55%	0.540%
46	14.080	2006	2011	2016	rBV4	34758	62539	9.78%	0.953%
47	14.141	2016	2021	2027	rVB7	21170	45085	7.05%	0.687%
48	14.202	2027	2031	2034	rBV5	11421	21434	3.35%	0.326%
49	14.257	2034	2040	2047	rBV10	40352	101228	15.83%	1.542%
50	14.385	2056	2061	2064	rBV4	28988	45735	7.15%	0.697%
51	14.422	2064	2067	2071	rVB4	29578	38459	6.01%	0.586%
52	14.477	2073	2076	2079	rBV5	9007	11820	1.85%	0.180%
53	14.568	2087	2091	2092	rBV3	8941	11580	1.81%	0.176%
54	14.611	2094	2098	2103	rVB2	48872	73114	11.43%	1.114%
55	14.684	2103	2110	2114	rBV4	39598	93631	14.64%	1.426%
56	14.733	2114	2118	2124	rVB5	38481	70183	10.97%	1.069%
57	14.946	2149	2153	2156	rVB5	19246	26655	4.17%	0.406%
58	14.983	2156	2159	2165	rVB5	7948	12382	1.94%	0.189%
59	15.056	2165	2171	2176	rBV3	19034	43586	6.81%	0.664%
60	15.214	2191	2197	2206	rBV5	29202	81252	12.70%	1.238%
61	15.294	2206	2210	2214	rVV2	21686	38814	6.07%	0.591%
62	15.348	2215	2219	2225	rVV6	22048	59411	9.29%	0.905%
63	15.434	2229	2233	2241	rVB4	31061	57136	8.93%	0.870%
64	15.531	2242	2249	2255	rBV5	17745	50523	7.90%	0.770%
65	15.605	2257	2261	2266	rVB6	14426	23540	3.68%	0.359%
66	15.690	2268	2275	2278	rVV6	10733	29738	4.65%	0.453%
67	15.726	2278	2281	2288	rVB2	26759	47631	7.45%	0.726%
68	15.885	2302	2307	2317	rBV8	10538	29327	4.59%	0.447%
69	16.031	2324	2331	2336	rBV6	21073	47348	7.40%	0.721%
70	16.153	2347	2351	2357	rBV4	12578	24105	3.77%	0.367%
71	16.226	2358	2363	2369	rVV2	28736	58219	9.10%	0.887%
72	16.293	2369	2374	2379	rVV5	18153	34699	5.43%	0.529%
73	16.360	2381	2385	2389	rVB2	10040	15854	2.48%	0.241%
74	16.488	2399	2406	2412	rBV7	17093	49935	7.81%	0.761%

Sum of corrected areas: 6564932

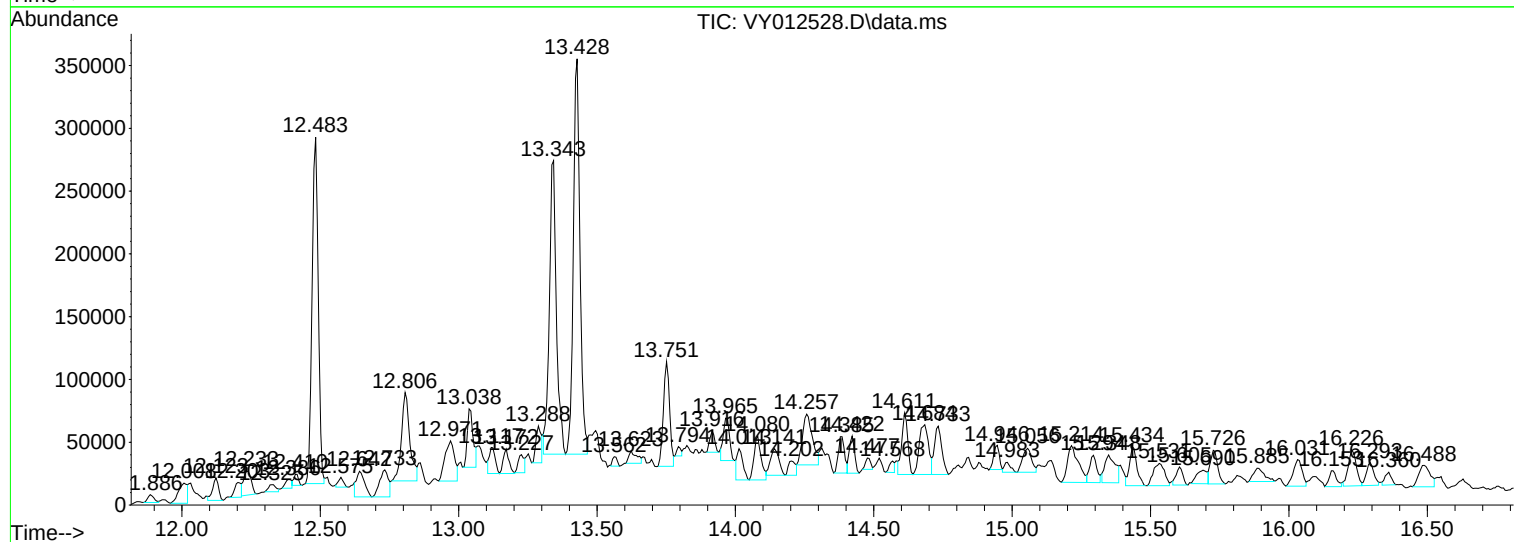
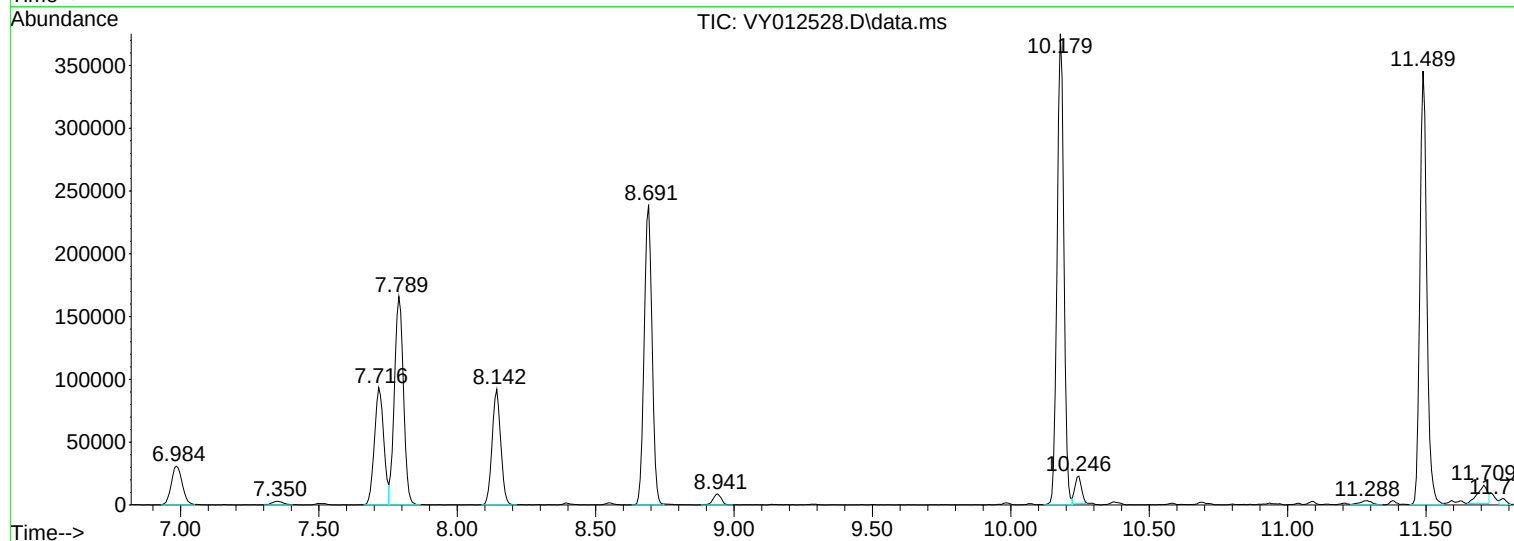
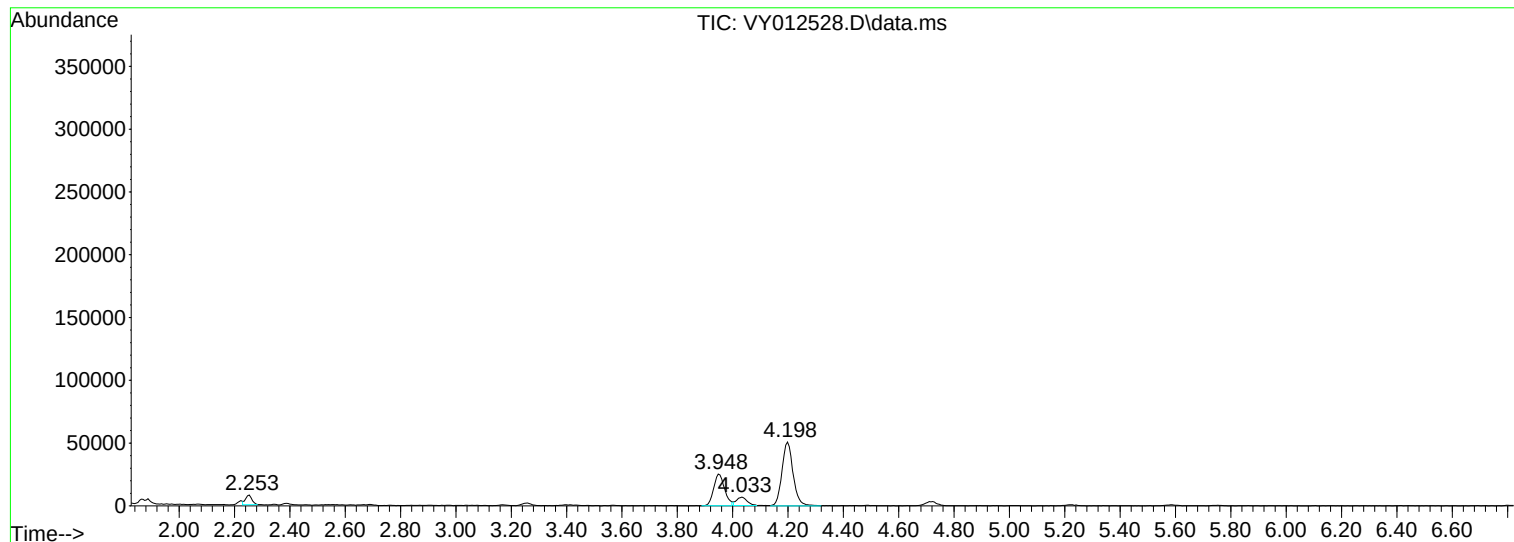
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Quant Title :

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



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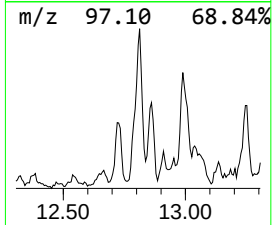
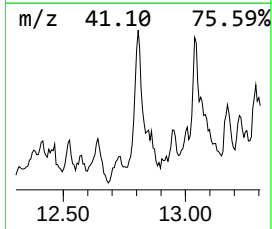
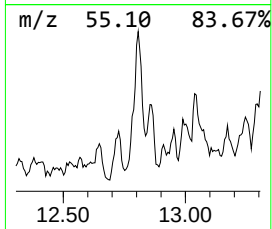
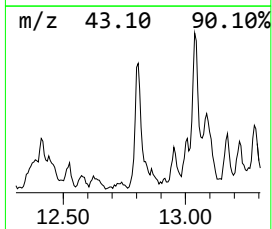
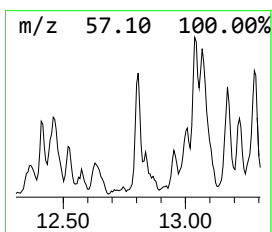
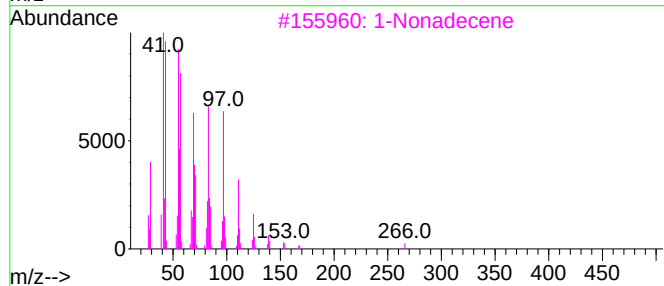
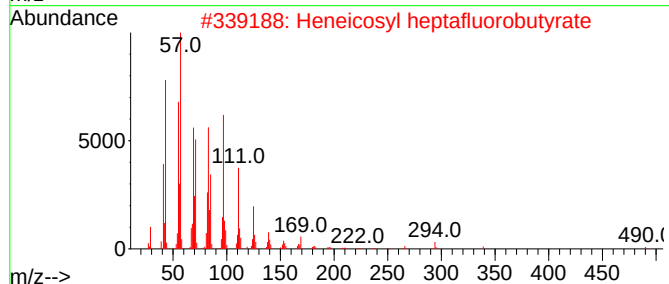
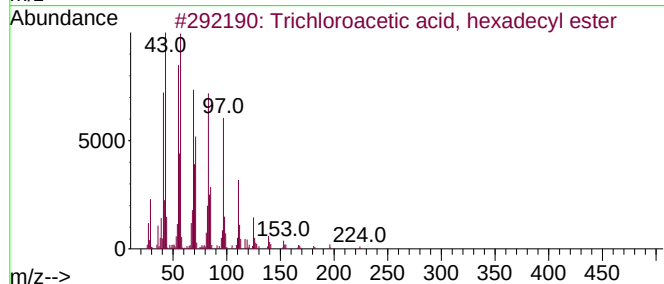
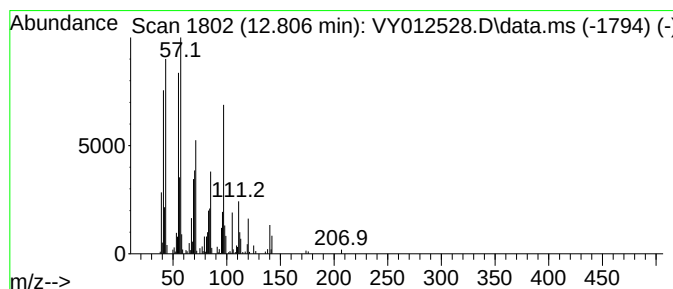
Instrument :
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Quant Title :

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

Peak Number 1 Trichloroacetic acid, hexad... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.806	14.09 ug/l	147776	1,4-Dichlorobenzene-d4			13.428
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...		386	C18H33Cl3O2	074339-54-1	72
2	Heneicosyl heptafluorobutyrate		508	C25H43F7O2	1000351-83-8	64
3	1-Nonadecene		266	C19H38	018435-45-5	64
4	2-Hexyl-1-octanol		214	C14H30O	019780-79-1	58
5	Tetracosyl heptafluorobutyrate		550	C28H49F7O2	1000351-83-7	58



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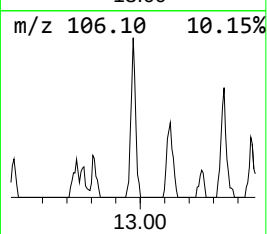
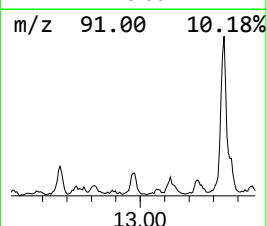
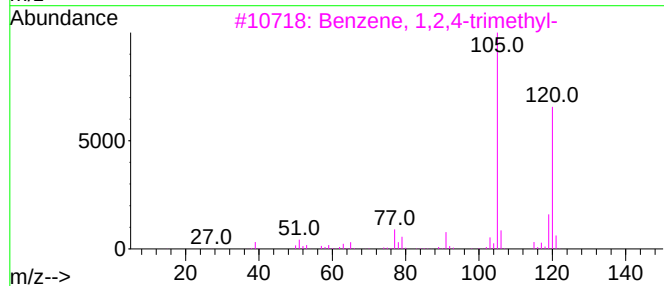
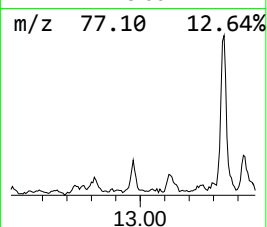
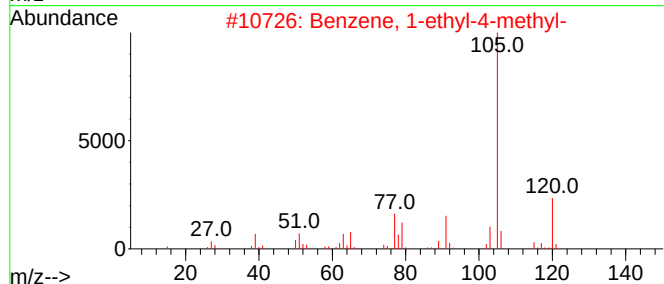
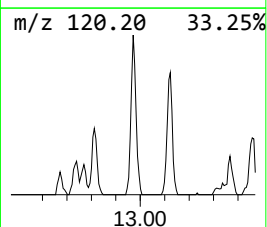
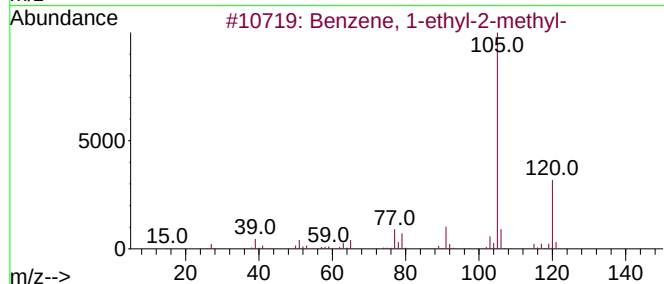
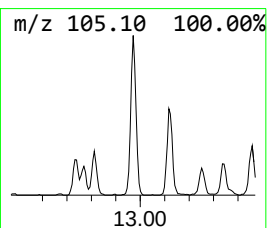
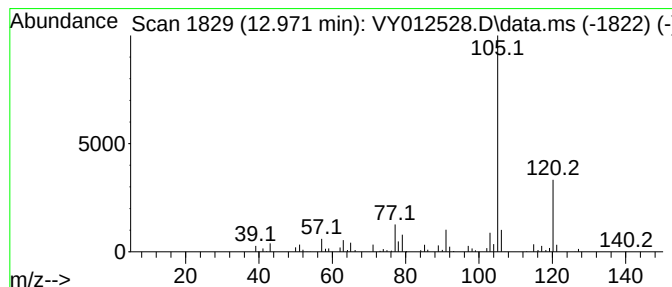
Quant Title :

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Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	7.40 ug/l	77651	1,4-Dichlorobenzene-d4	13.428

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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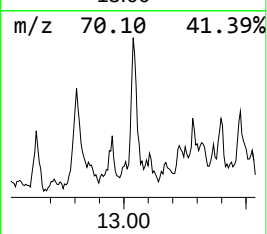
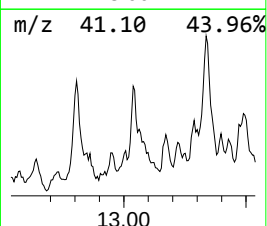
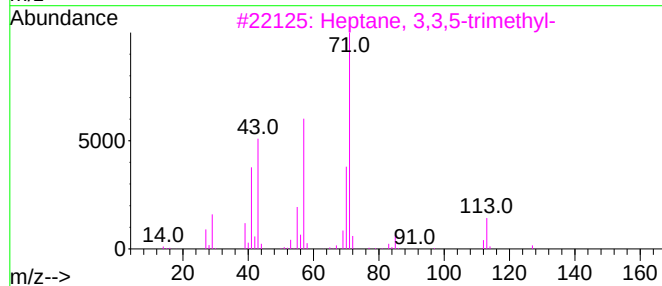
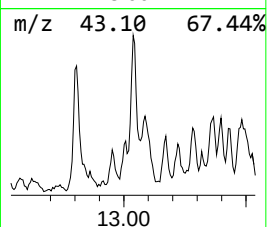
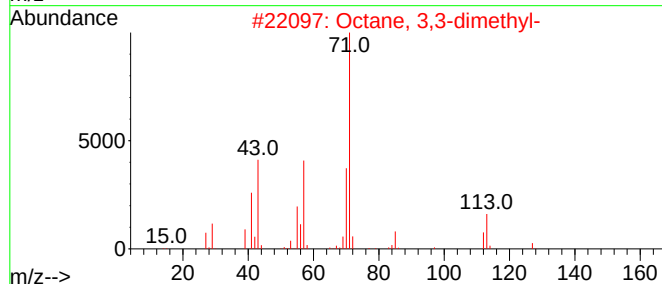
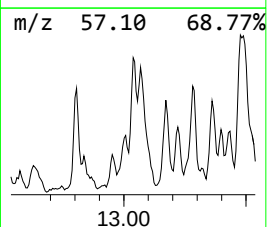
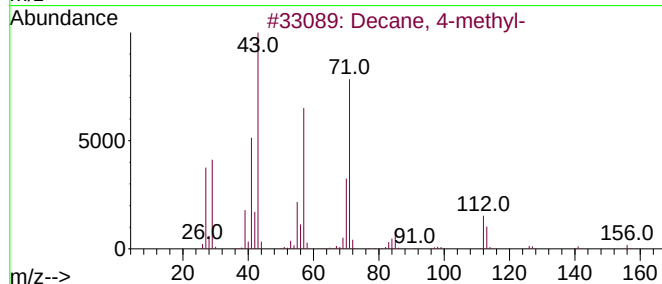
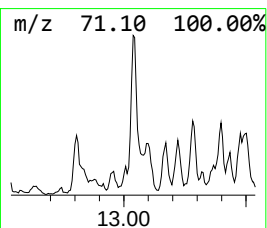
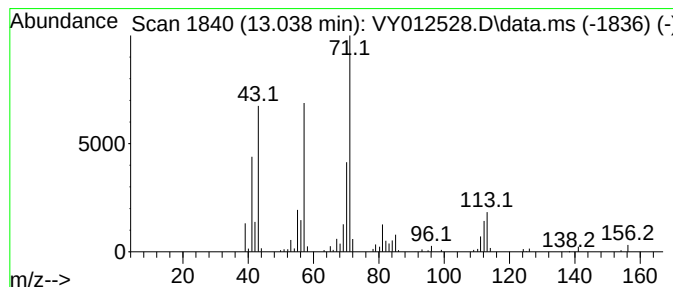
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Peak Number 3 Decane, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.038	6.60 ug/l	69254	1,4-Dichlorobenzene-d4	13.428

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	87
2		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
3		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
4		Dodecane, 4-methyl-	184	C13H28	006117-97-1	59
5		n-Amyl ether	158	C10H22O	000693-65-2	53



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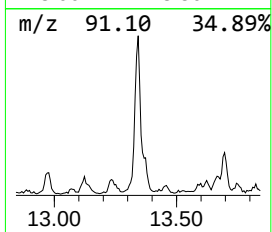
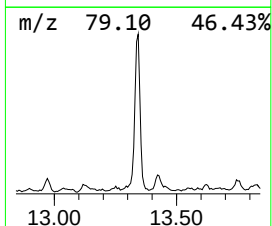
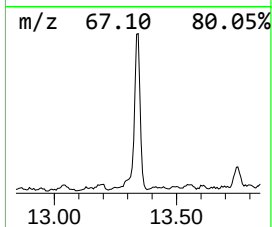
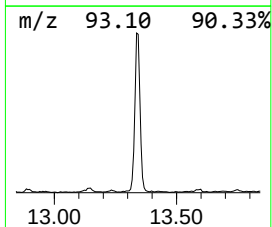
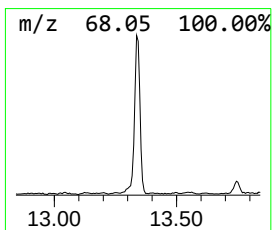
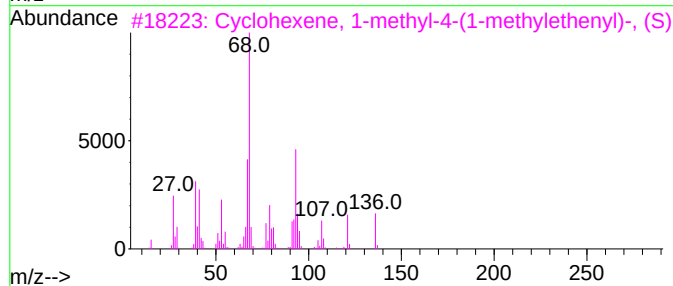
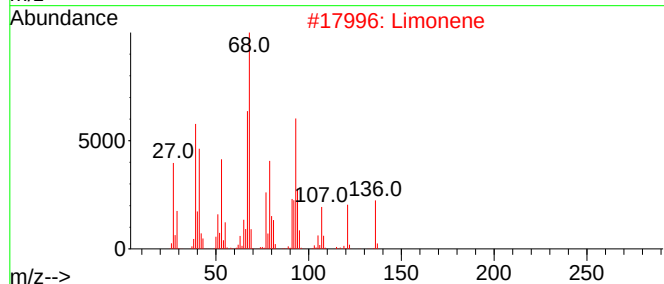
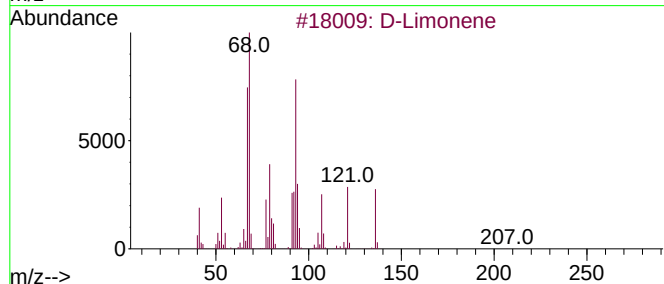
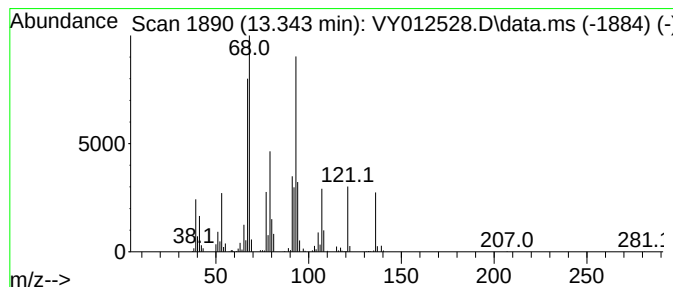
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TIC Integration Parameters: LSCINT.P

Peak Number 4 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.343	39.50 ug/l	414209	1,4-Dichlorobenzene-d4	13.428

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		D-Limonene	136	C10H16	005989-27-5	95
2		Limonene	136	C10H16	000138-86-3	87
3		Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	76
4		1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	72
5		Bicyclo[4.1.0]heptane, 7-(1-meth...	136	C10H16	053282-47-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
Data File : VY012528.D
Acq On : 07 Feb 2023 18:57
Operator : KP/MD
Sample : 01465-06
Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

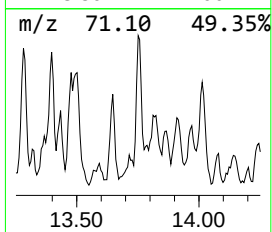
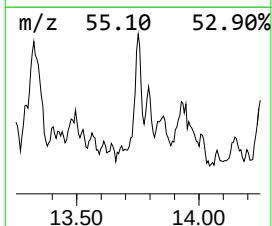
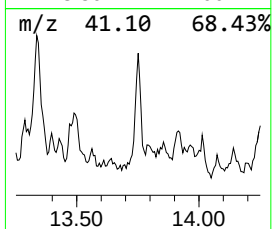
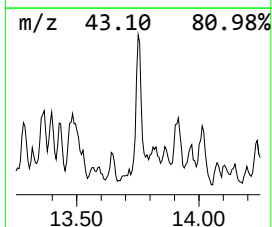
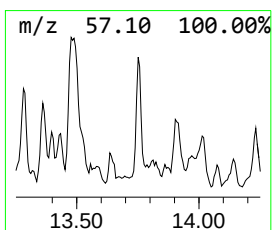
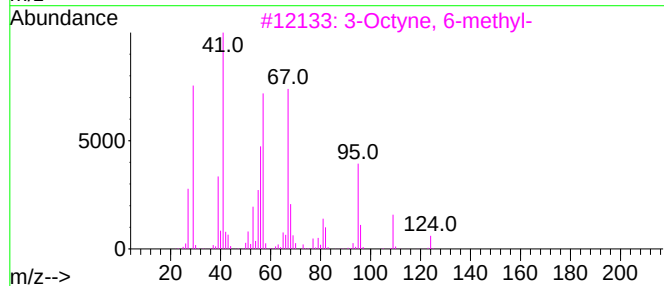
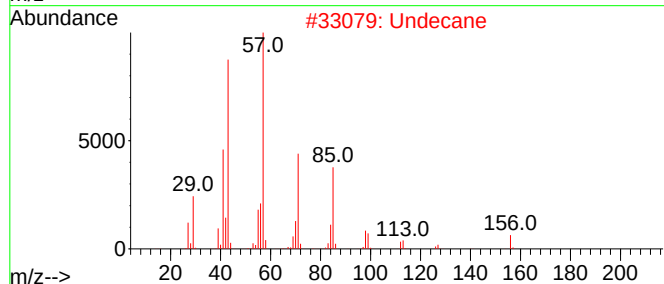
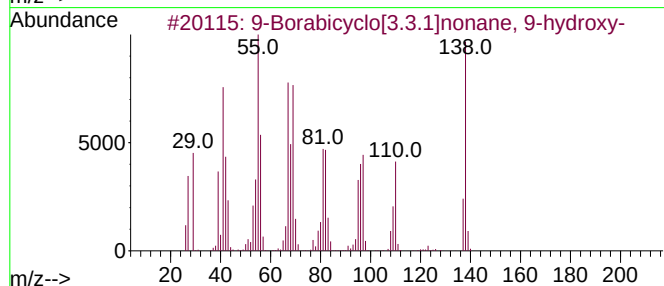
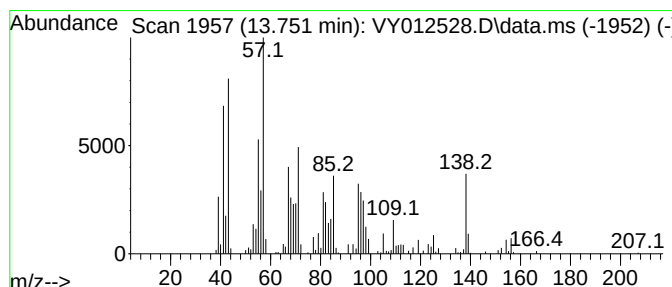
Quant Title :

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

Peak Number 5 unknown13.751 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	12.42 ug/l	130230	1,4-Dichlorobenzene-d4	13.428

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	49
2		Undecane	156	C11H24	001120-21-4	35
3		3-Octyne, 6-methyl-	124	C9H16	062108-34-3	25
4		7-Octenal, 3,7-dimethyl-	154	C10H18O	000141-26-4	25
5		1,11-Dodecadiene	166	C12H22	005876-87-9	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
Data File : VY012528.D
Acq On : 07 Feb 2023 18:57
Operator : KP/MD
Sample : 01465-06
Misc : 3.15g/5.0mL/MSVOA_Y/soil
ALS Vial : 23 Sample Multiplier: 1

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

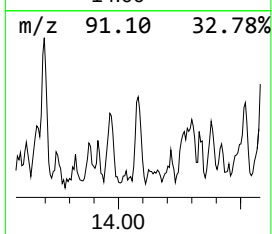
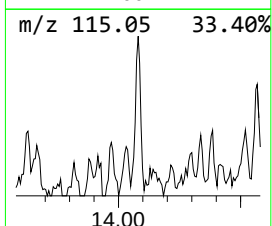
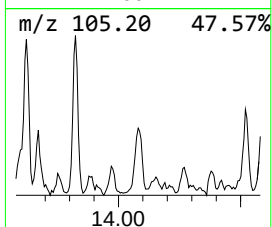
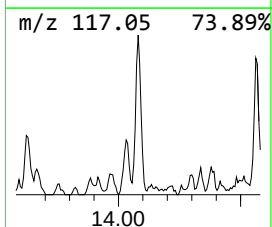
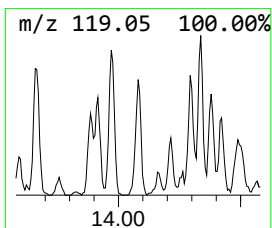
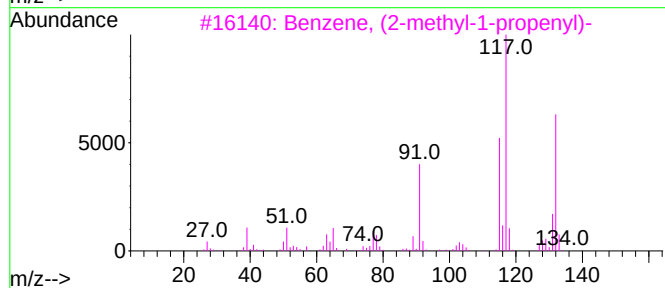
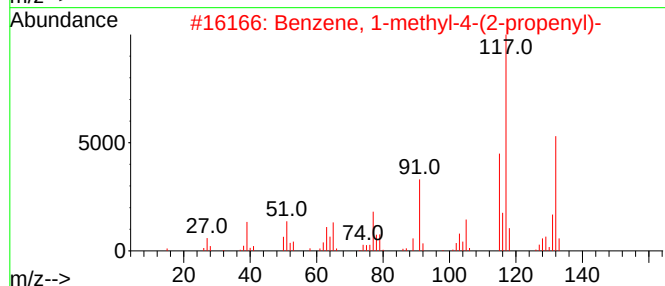
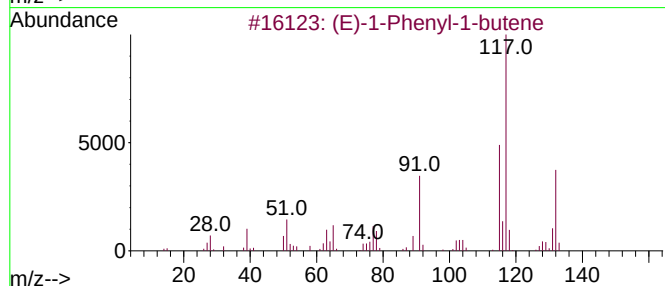
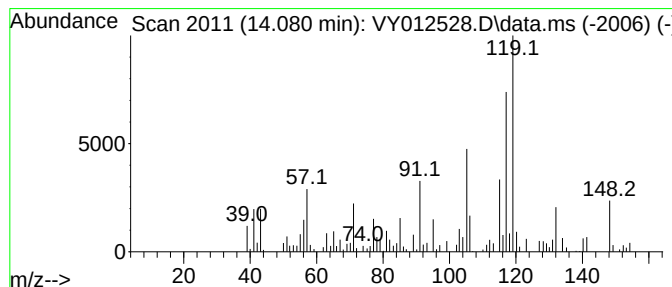
Quant Title :

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

Peak Number 6 unknown14.080 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.080	5.96 ug/l	62539	1,4-Dichlorobenzene-d4	13.428

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	46
2		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	46
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	46
4		1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	46
5		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
Data File : VY012528.D
Acq On : 07 Feb 2023 18:57
Operator : KP/MD
Sample : 01465-06
Misc : 3.15g/5.0mL/MSVOA_Y/soil
ALS Vial : 23 Sample Multiplier: 1

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

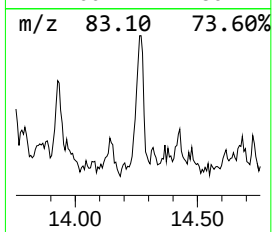
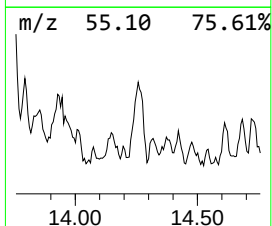
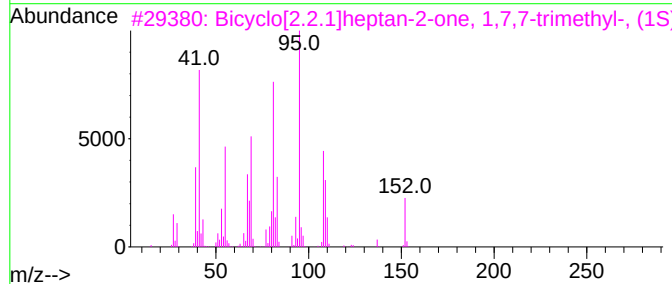
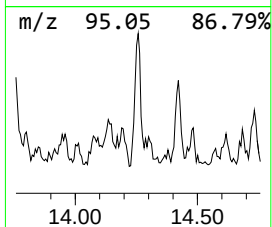
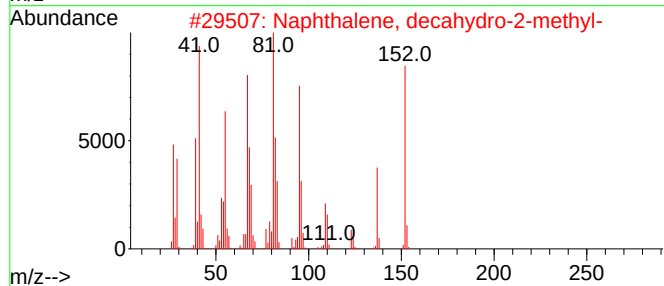
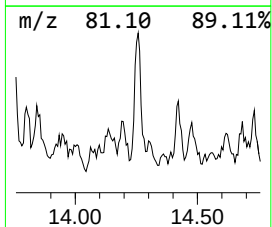
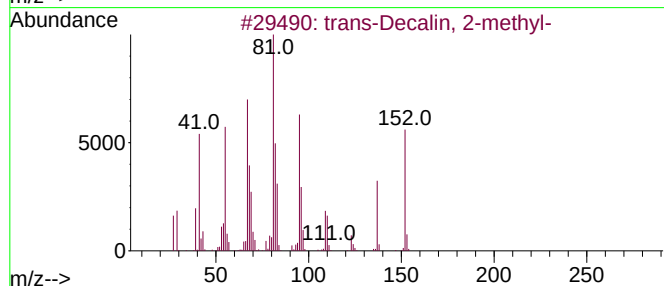
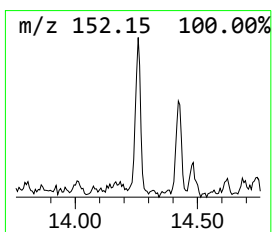
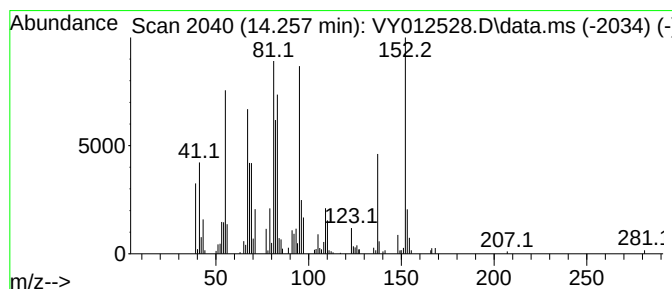
Quant Title :

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

Peak Number 7 trans-Decalin, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	9.65 ug/l	101228	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
3			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	60
4			Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	58
5			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
Data File : VY012528.D
Acq On : 07 Feb 2023 18:57
Operator : KP/MD
Sample : 01465-06
Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

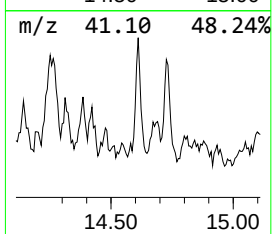
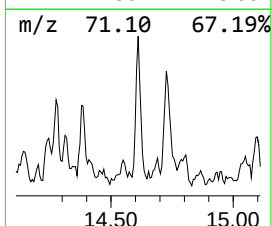
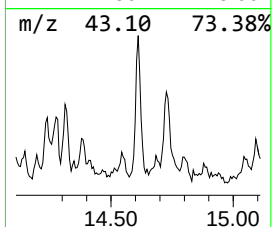
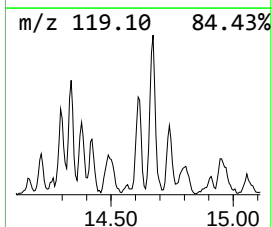
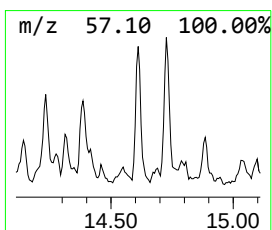
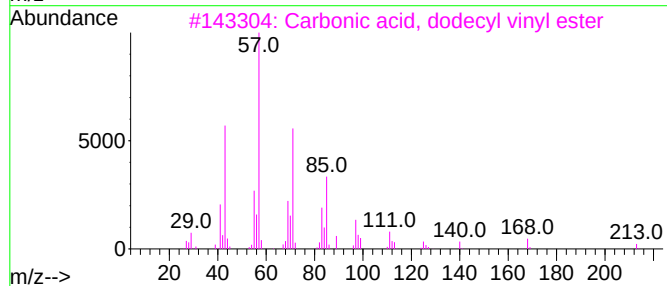
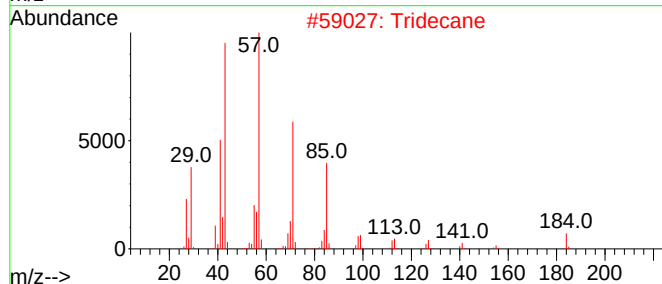
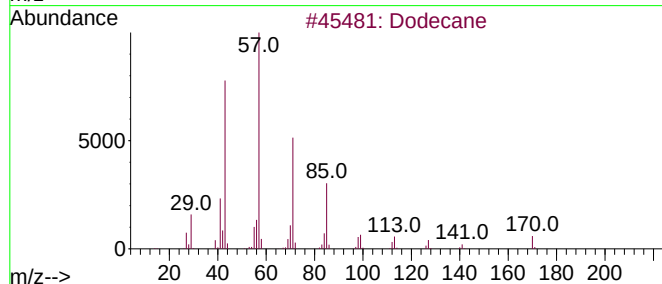
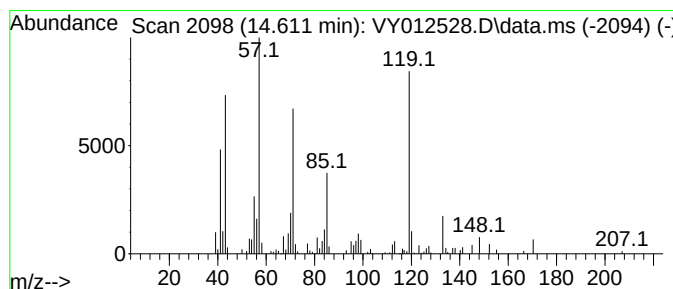
Quant Title :

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

Peak Number 8 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.611	6.97 ug/l	73114	1,4-Dichlorobenzene-d4	13.428

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane	170	C12H26	000112-40-3	90
2		Tridecane	184	C13H28	000629-50-5	38
3		Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	38
4		Tetradecane	198	C14H30	000629-59-4	38
5		Hexadecane	226	C16H34	000544-76-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
Data File : VY012528.D
Acq On : 07 Feb 2023 18:57
Operator : KP/MD
Sample : 01465-06
Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

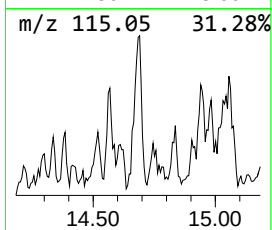
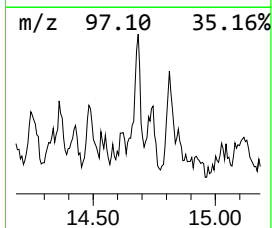
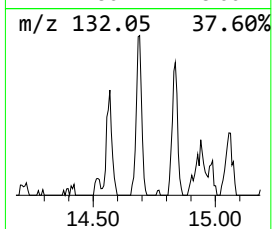
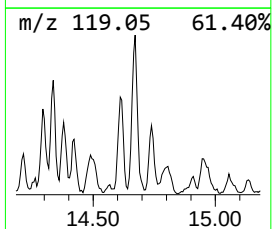
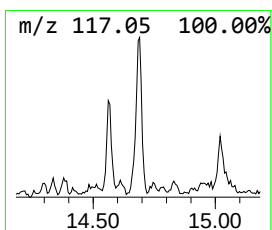
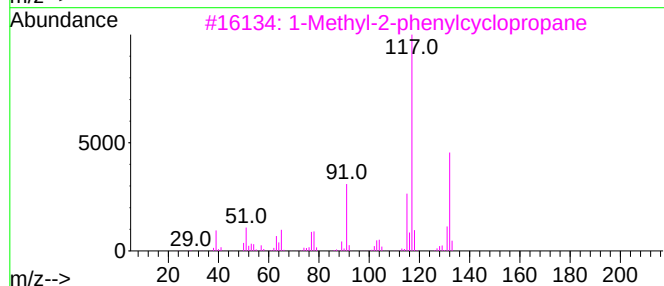
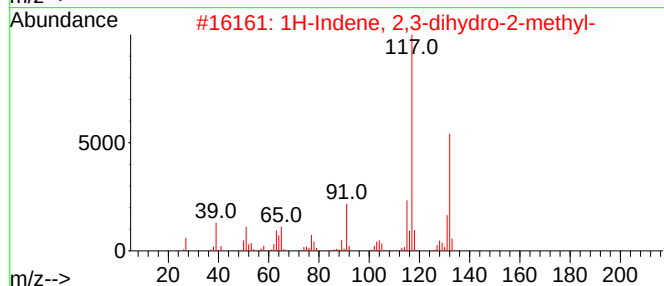
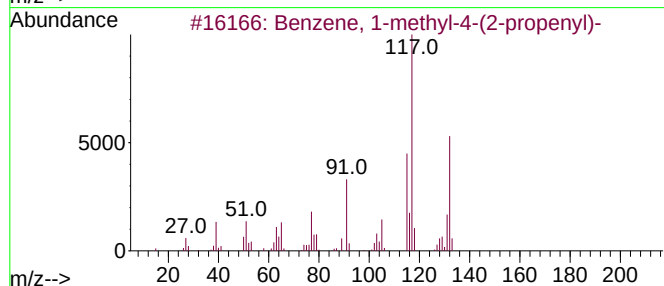
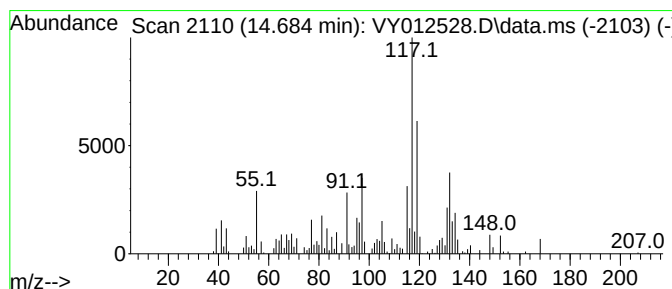
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8

Quant Title :

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

Peak Number 9 Benzene, 1-methyl-4-(2-prop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.684	8.93 ug/l	93631	1,4-Dichlorobenzene-d4	13.428	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	92
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	64
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	60
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
Data File : VY012528.D
Acq On : 07 Feb 2023 18:57
Operator : KP/MD
Sample : 01465-06
Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

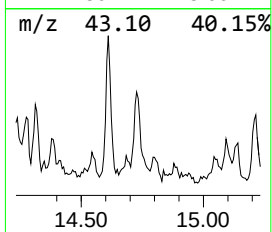
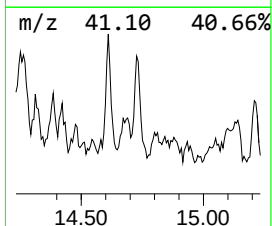
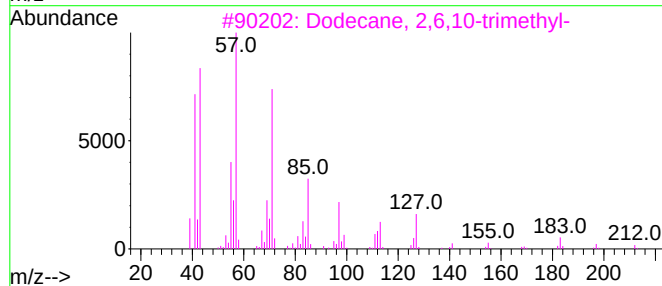
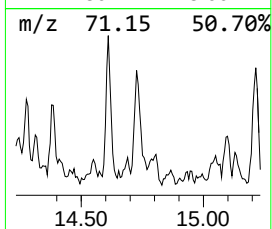
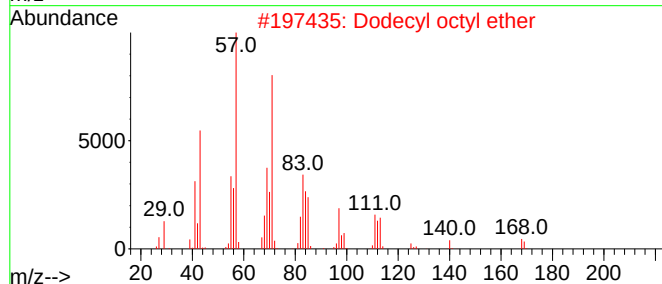
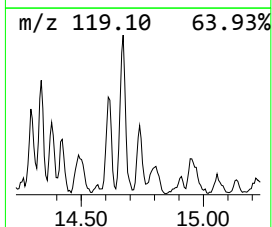
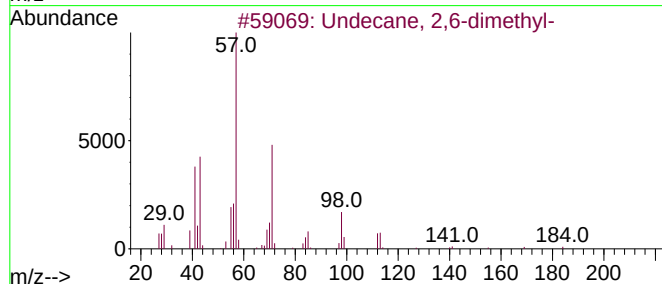
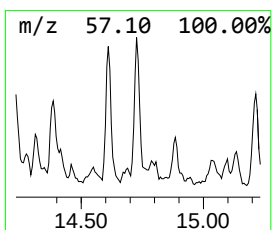
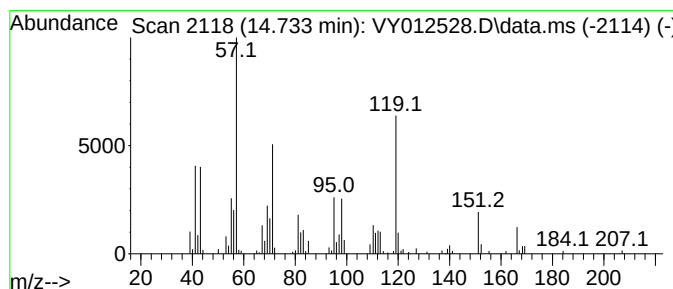
Quant Title :

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

Peak Number 10 unknown14.733 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.733	6.69 ug/l	70183	1,4-Dichlorobenzene-d4	13.428

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
2		Dodecyl octyl ether	298	C20H42O	1000406-38-4	30
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	27
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	25
5		Acethydrazide, 2-(4-butoxypheno...	356	C20H24N2O4	1000263-84-3	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
Data File : VY012528.D
Acq On : 07 Feb 2023 18:57
Operator : KP/MD
Sample : 01465-06
Misc : 3.15g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

Quant Title :

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Trichloroacetic...	12.806	14.1	ug/l	147776	4	13.428	524338	50.0
Benzene, 1-ethy...	12.971	7.4	ug/l	77651	4	13.428	524338	50.0
Decane, 4-methyl-	13.038	6.6	ug/l	69254	4	13.428	524338	50.0
D-Limonene	13.343	39.5	ug/l	414209	4	13.428	524338	50.0
unknown13.751	13.751	12.4	ug/l	130230	4	13.428	524338	50.0
unknown14.080	14.080	6.0	ug/l	62539	4	13.428	524338	50.0
trans-Decalin, ...	14.257	9.7	ug/l	101228	4	13.428	524338	50.0
Dodecane	14.611	7.0	ug/l	73114	4	13.428	524338	50.0
Benzene, 1-meth...	14.684	8.9	ug/l	93631	4	13.428	524338	50.0
unknown14.733	14.733	6.7	ug/l	70183	4	13.428	524338	50.0