

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004901.D
 Acq On : 27 May 2021 15:24
 Operator : SY/MD
 Sample : M2535-03
 Misc : 7.19G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHOST-3D

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\82Y051021S.M

Title : SW846 8260

Signal : TIC: VY004901.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.912	169	179	202	rBV	1180849	2714318	1.19%	0.080%
2	4.784	463	486	514	rBV	1480949	8645764	3.80%	0.254%
3	5.259	545	564	599	rVB	1148927	4838369	2.13%	0.142%
4	5.771	633	648	667	rBV	1224382	4724253	2.08%	0.139%
5	6.710	790	802	810	rVV	1249178	4881387	2.15%	0.143%
6	6.814	811	819	841	rVB	2266720	8756516	3.85%	0.257%
7	7.545	920	939	952	rBV3	740835	2942285	1.29%	0.086%
8	7.795	961	980	989	rBV4	7174066	26099350	11.48%	0.765%
9	7.893	989	996	1008	rVV	4528670	15336694	6.75%	0.450%
10	8.021	1008	1017	1035	rVB	7103403	24433413	10.75%	0.717%
11	8.173	1035	1042	1052	rVB	1126385	2899782	1.28%	0.085%
12	8.356	1052	1072	1097	rBV3	34222471	163333121	71.87%	4.791%
13	8.569	1097	1107	1122	rVB	6804730	20885147	9.19%	0.613%
14	8.710	1122	1130	1142	rBV2	2276492	8371180	3.68%	0.246%
15	8.984	1163	1175	1177	rBV3	654784	2350826	1.03%	0.069%
16	9.210	1196	1212	1218	rBV3	33744498	121684812	53.55%	3.569%
17	9.484	1250	1257	1272	rVB4	4335643	15273679	6.72%	0.448%
18	9.642	1273	1283	1296	rBV3	42524512	195396792	85.98%	5.731%
19	9.783	1296	1306	1316	rBV4	44784855	227249191	100.00%	6.665%
20	9.984	1331	1339	1356	rVB4	30666023	124819228	54.93%	3.661%
21	10.142	1357	1365	1372	rBV3	37187942	143591243	63.19%	4.212%
22	10.392	1391	1406	1422	rVB4	41549882	177667832	78.18%	5.211%
23	10.551	1426	1432	1439	rBV4	8716842	25594837	11.26%	0.751%
24	10.648	1439	1448	1457	rBV7	24526536	92226775	40.58%	2.705%
25	10.837	1471	1479	1489	rBV3	14870168	65036271	28.62%	1.908%
26	10.941	1489	1496	1506	rBV	17499173	79881582	35.15%	2.343%
27	11.057	1511	1515	1519	rVV2	9063450	18885935	8.31%	0.554%
28	11.227	1538	1543	1545	rBV5	10300792	20286587	8.93%	0.595%
29	11.441	1568	1578	1584	rVB3	31264046	119520743	52.59%	3.506%
30	11.538	1589	1594	1599	rBV3	11748060	26264786	11.56%	0.770%
31	11.605	1599	1605	1608	rBV4	38268498	91077964	40.08%	2.671%
32	11.709	1618	1622	1628	rBV4	34077344	82798266	36.44%	2.428%
33	11.782	1632	1634	1639	rVB4	37042348	52355411	23.04%	1.536%
34	11.959	1657	1663	1668	rBV4	17027567	35926781	15.81%	1.054%
35	12.044	1668	1677	1687	rBV4	40782696	143157592	63.00%	4.199%
36	12.142	1687	1693	1698	rVB2	23218811	51196088	22.53%	1.502%

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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
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37	12.227	1698	1707	1710	rBV3	23561719	60887023	26.79%	1.786%
38	12.349	1721	1727	1732	rBV	29814178	62975057	27.71%	1.847%
39	12.477	1743	1748	1755	rVB4	37020350	101739590	44.77%	2.984%
40	12.550	1755	1760	1764	rBV	12981326	22729650	10.00%	0.667%
41	12.691	1772	1783	1788	rBV3	47588157	145727465	64.13%	4.274%
42	12.746	1788	1792	1795	rBV4	50289589	96983970	42.68%	2.845%
43	12.989	1825	1832	1839	rBV2	45880542	90768525	39.94%	2.662%
44	13.081	1839	1847	1850	rBV	15762422	28585224	12.58%	0.838%
45	13.130	1850	1855	1857	rBV2	54141754	94510258	41.59%	2.772%
46	13.294	1869	1882	1885	rBV3	20187596	53138921	23.38%	1.559%
47	13.373	1891	1895	1897	rBV2	4278475	6353541	2.80%	0.186%
48	13.404	1897	1900	1903	rVV	3611542	4374829	1.93%	0.128%
49	13.471	1903	1911	1923	rVB3	51836191	124946842	54.98%	3.665%
50	13.599	1927	1932	1933	rBV	11191714	13856989	6.10%	0.406%
51	13.636	1933	1938	1942	rVV2	52151940	105044570	46.22%	3.081%
52	13.672	1942	1944	1954	rVB3	28345537	48379816	21.29%	1.419%
53	13.758	1954	1958	1963	rBV2	5372582	8036426	3.54%	0.236%
54	13.825	1964	1969	1975	rVB	7853869	12990259	5.72%	0.381%
55	13.892	1975	1980	1982	rBV	11646396	17536115	7.72%	0.514%
56	13.916	1982	1984	1989	rVB	9875354	13460912	5.92%	0.395%
57	13.977	1989	1994	1999	rVB	15846270	22314812	9.82%	0.654%
58	14.038	1999	2004	2007	rVB	2864355	3904076	1.72%	0.115%
59	14.087	2007	2012	2017	rVB	10364269	16258515	7.15%	0.477%
60	14.160	2017	2024	2029	rBV5	1793165	3655703	1.61%	0.107%
61	14.215	2029	2033	2038	rBV2	2425771	3576581	1.57%	0.105%
62	14.300	2038	2047	2050	rBV	4441022	7356700	3.24%	0.216%
63	14.337	2050	2053	2057	rVV	5537870	7379638	3.25%	0.216%
64	14.385	2057	2061	2064	rVV2	2575965	3805379	1.67%	0.112%
65	14.568	2087	2091	2096	rVV	3674826	6194784	2.73%	0.182%
66	14.684	2103	2110	2116	rBV3	4175420	8503824	3.74%	0.249%
67	15.239	2191	2201	2207	rVB	1301020	2395846	1.05%	0.070%

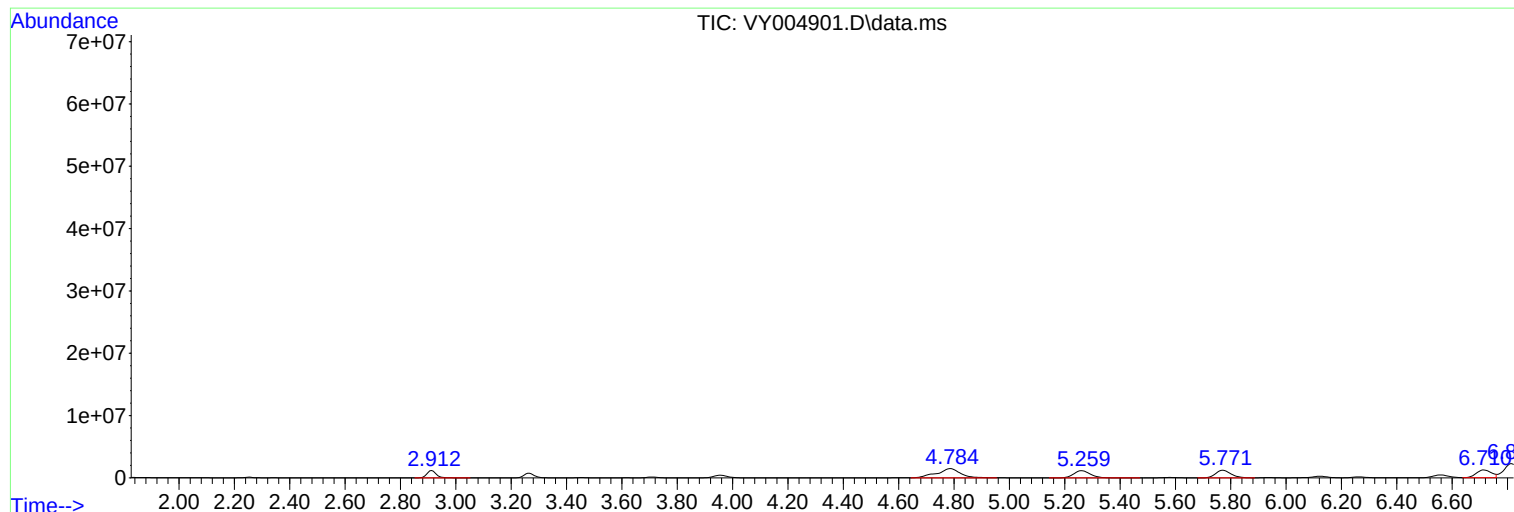
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Instrument :
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ClientSampleId :
GHOST-3D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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



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Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

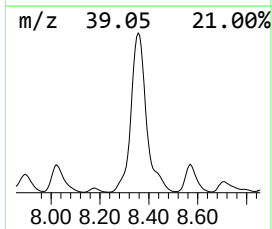
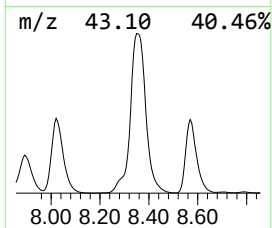
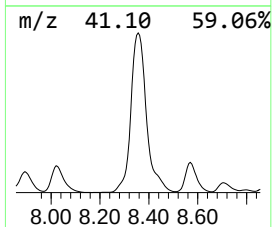
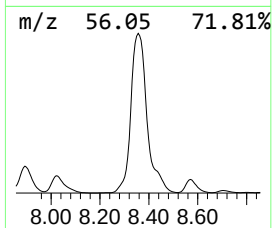
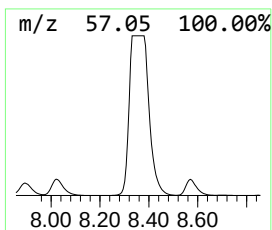
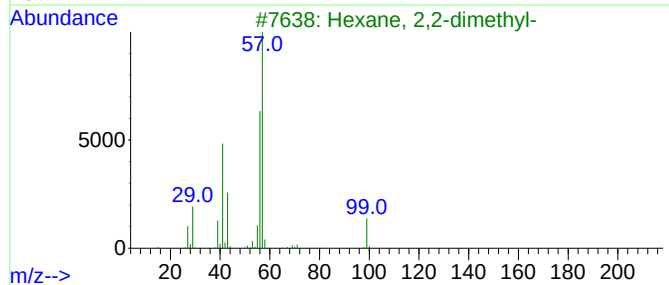
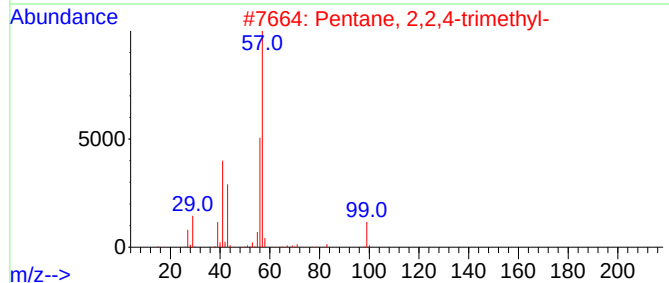
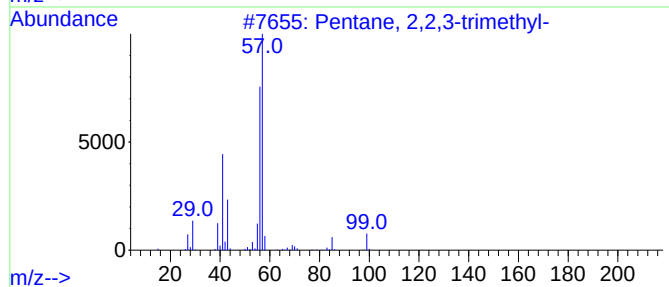
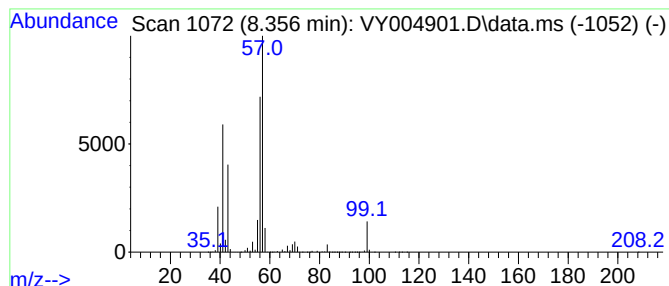
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 1 Pentane, 2,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.356	975.57 ug/l	163333000	1,4-Difluorobenzene	8.704

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	72
2			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
3			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59
4			Butane, 2-azido-2,3,3-trimethyl-	141	C7H15N3	051677-41-9	56
5			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	53



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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GHOST-3D

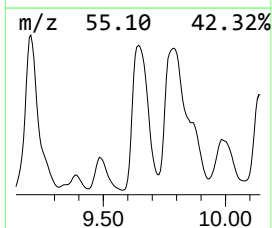
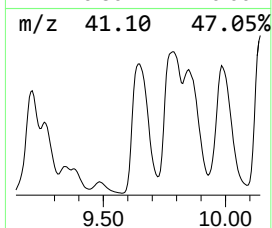
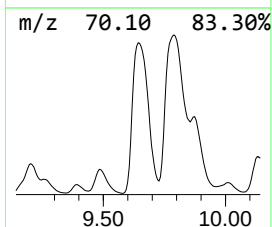
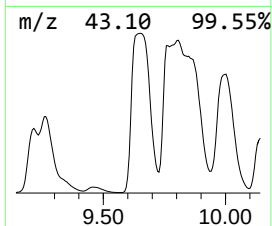
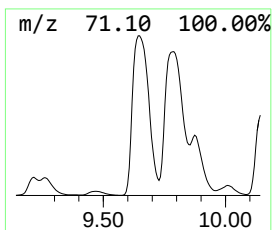
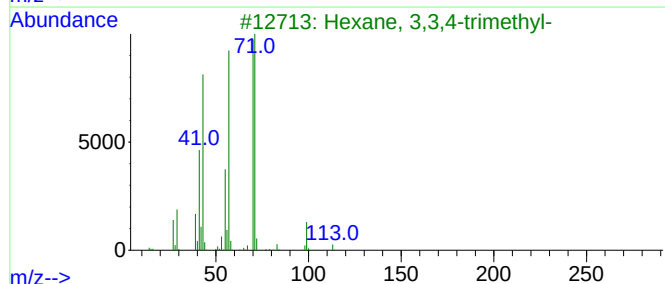
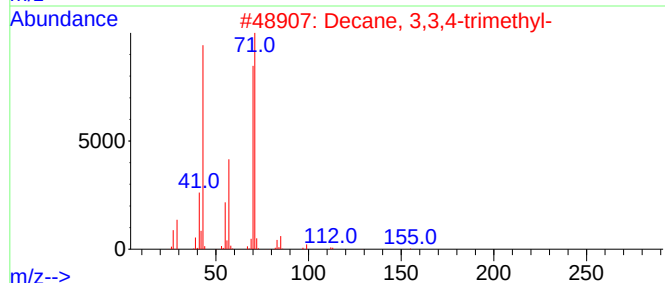
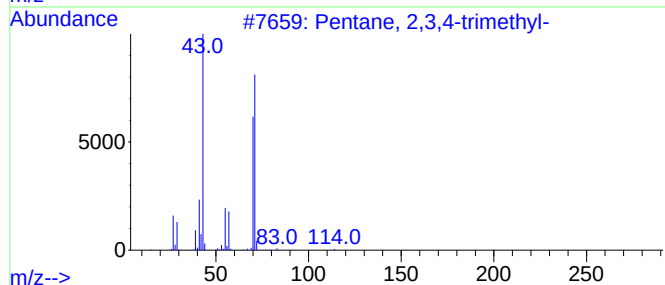
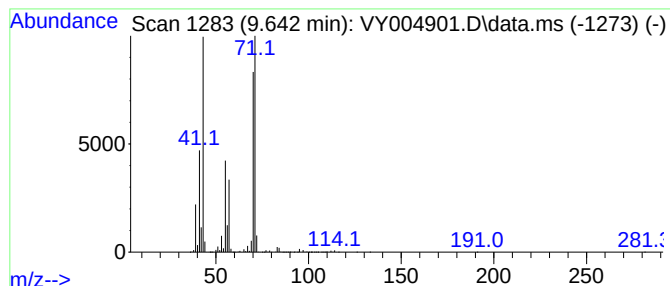
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.642	1167.08 ug/l	195397000	1,4-Difluorobenzene	8.704

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
3		Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74
4		Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
5		3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	64



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Misc : 7.19G/5ML/MSVOA_Y/SOIL
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Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

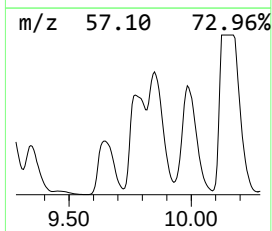
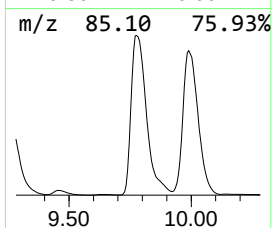
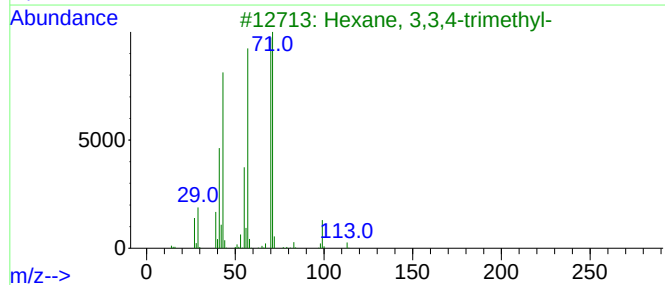
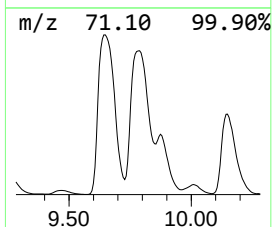
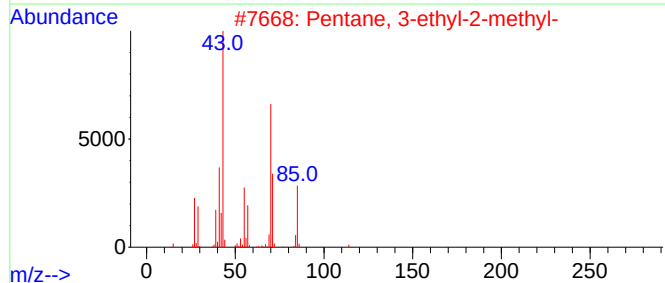
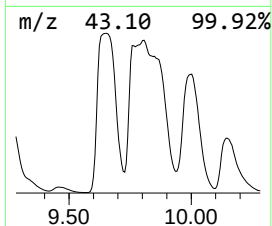
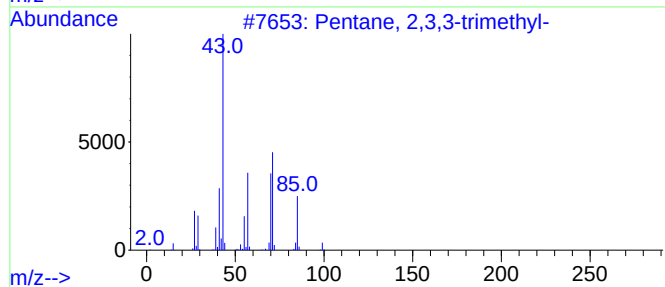
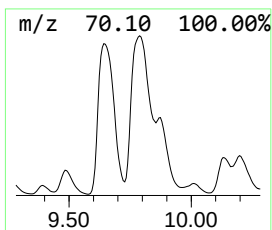
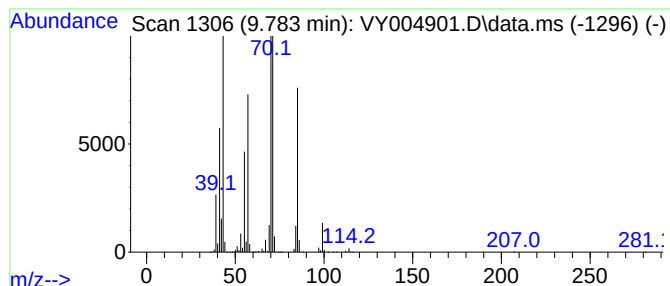
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.783	1357.33 ug/l	227249000	1,4-Difluorobenzene	8.704

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50
3			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	47
4			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	47
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	47



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Instrument :
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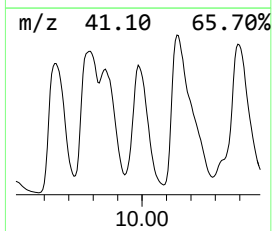
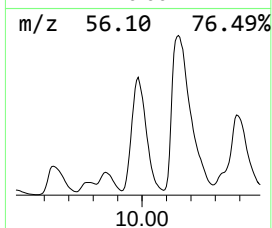
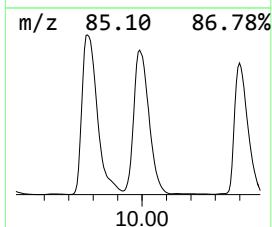
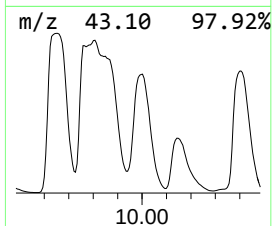
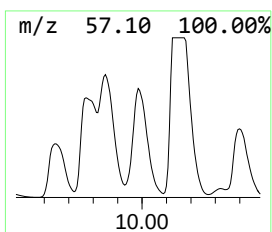
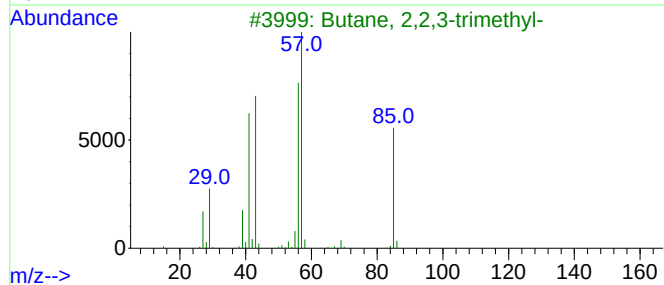
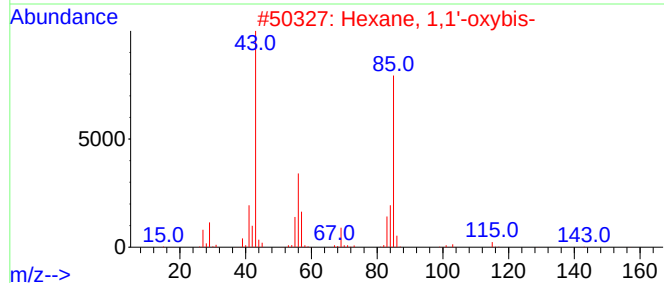
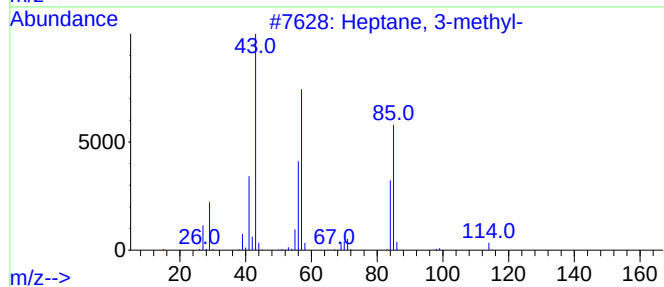
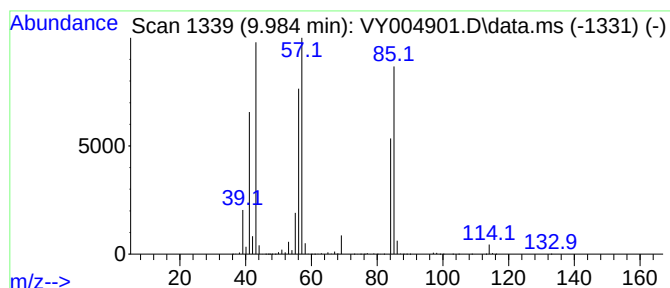
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 4 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.984	745.53 ug/l	124819000	1,4-Difluorobenzene	8.704

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	87
2			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
3			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
4			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
5			Pentanoic acid, butyl ester	158	C9H18O2	000591-68-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

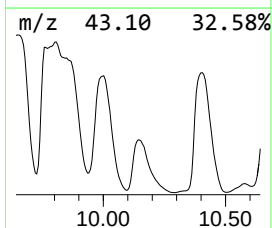
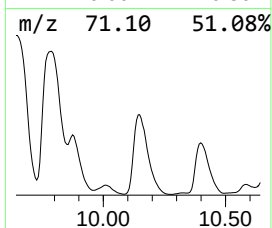
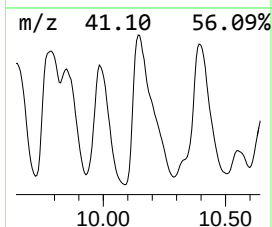
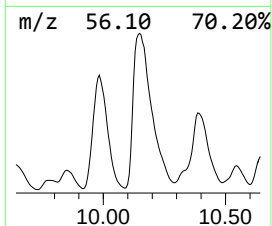
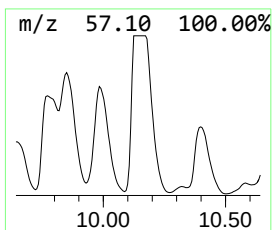
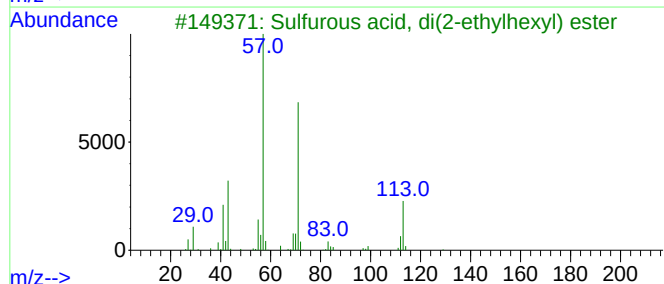
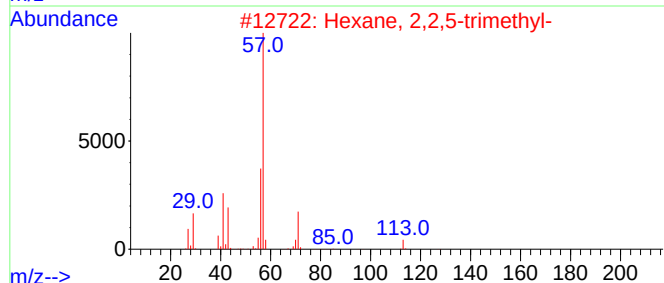
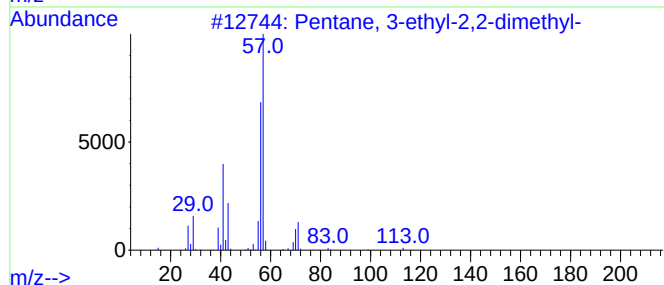
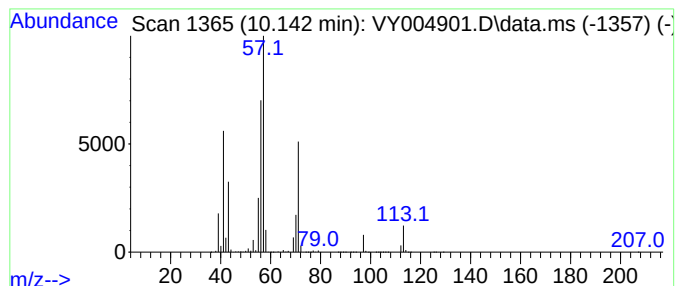
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Quant Title : SW846 8260

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

Peak Number 5 Pentane, 3-ethyl-2,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.142	273.35 ug/l	143591000	Chlorobenzene-d5	11.508

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
2			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50
3			Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	47
4			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	43
5			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

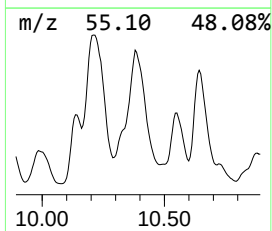
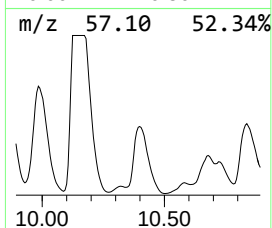
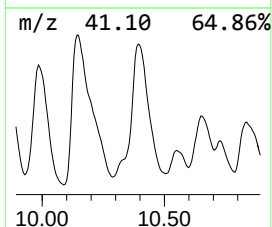
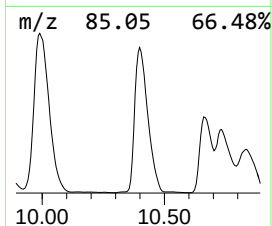
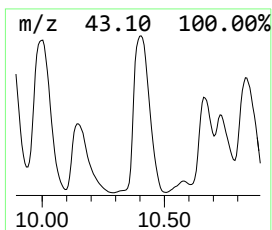
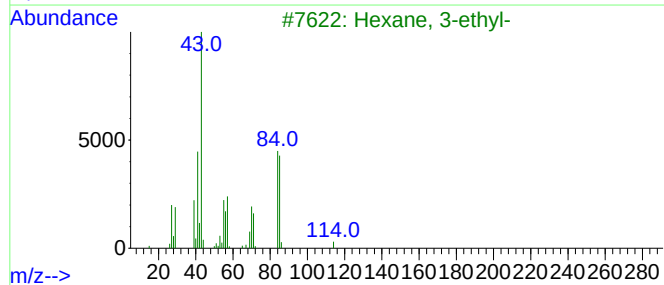
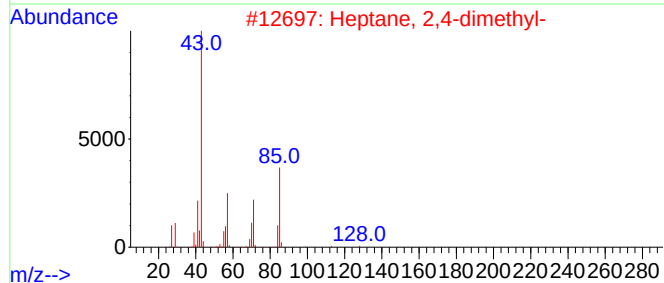
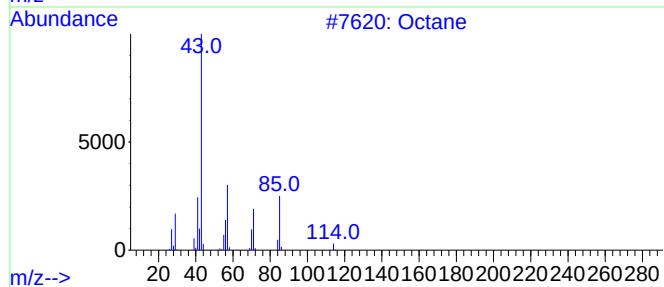
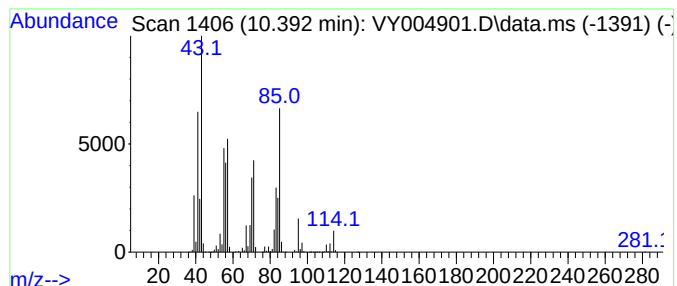
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Quant Title : SW846 8260

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

Peak Number 6 Octane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.392	338.22 ug/l	177668000	Chlorobenzene-d5	11.508

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane	114	C8H18	000111-65-9	50
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43
3			Hexane, 3-ethyl-	114	C8H18	000619-99-8	38
4			Hexane, 3-methyl-	100	C7H16	000589-34-4	38
5			Hexane, 1-propoxy-	144	C9H20O	053685-78-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

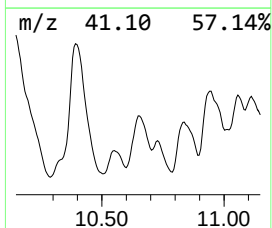
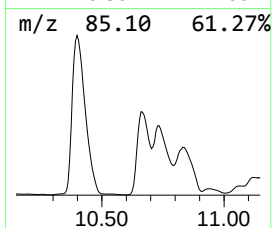
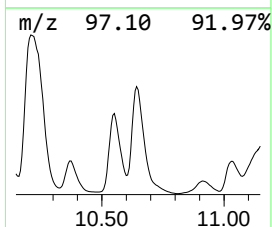
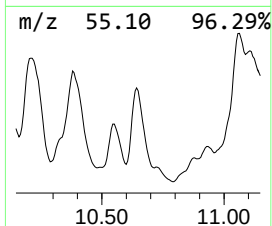
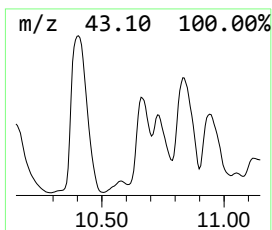
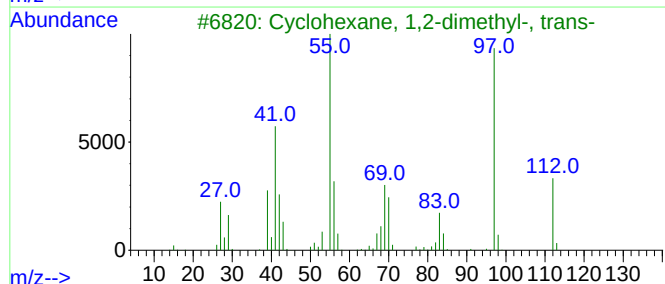
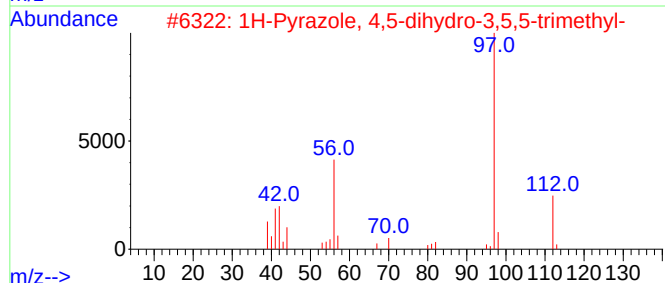
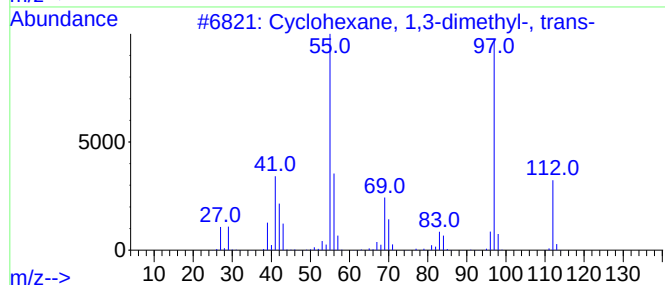
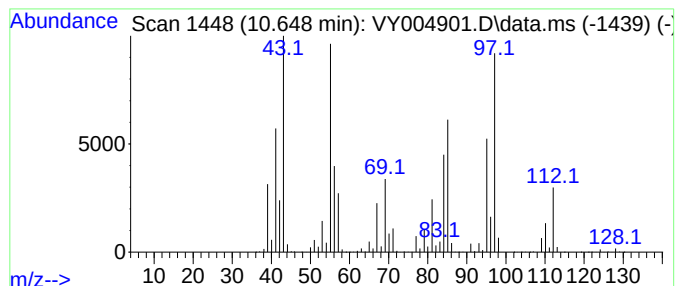
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Quant Title : SW846 8260

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

Peak Number 7 unknown10.648 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.648	175.57 ug/l	92226800	Chlorobenzene-d5	11.508

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46
2			1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	46
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	45
4			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	43
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

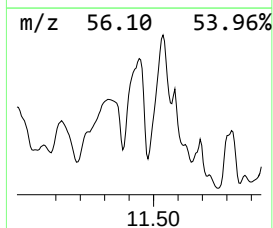
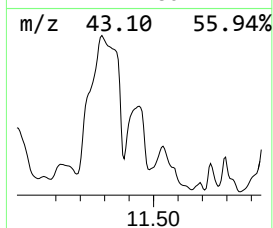
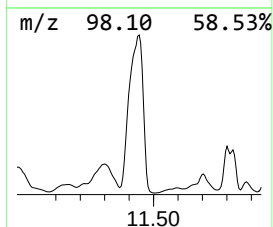
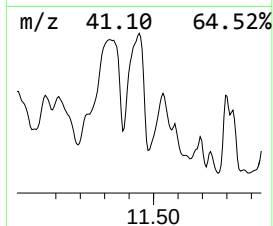
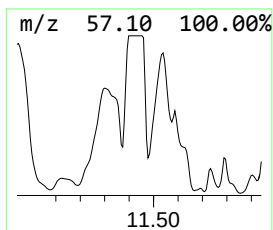
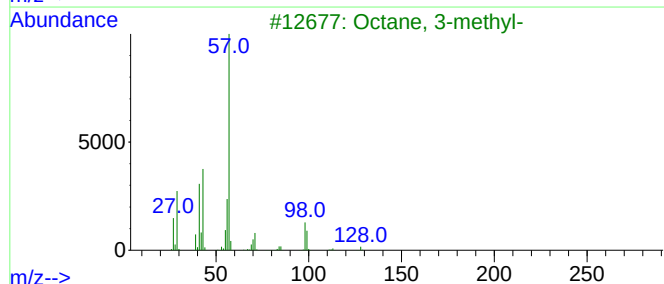
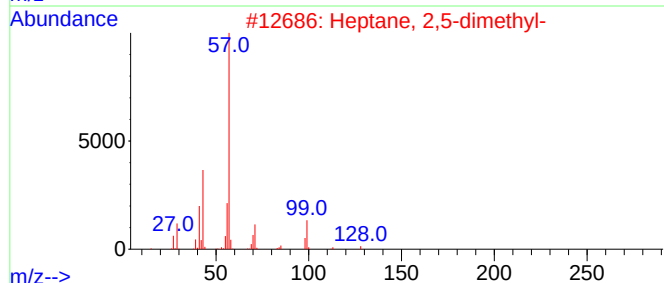
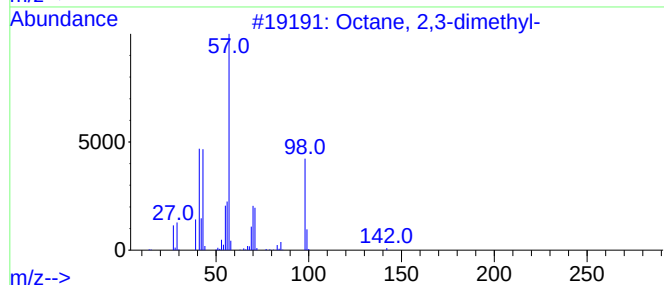
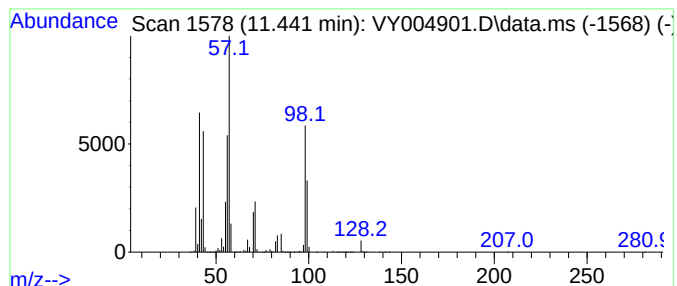
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Quant Title : SW846 8260

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

Peak Number 8 Octane, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.441	227.53 ug/l	119521000	Chlorobenzene-d5	11.508

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
3			Octane, 3-methyl-	128	C9H20	002216-33-3	53
4			Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
5			Piperidine, 4-methyl-	99	C6H13N	000626-58-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

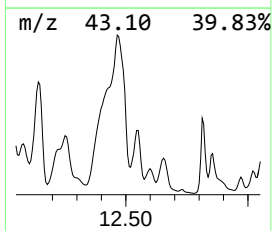
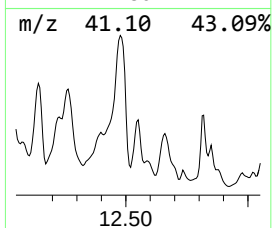
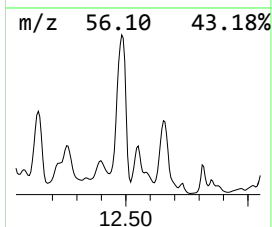
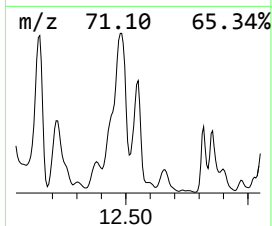
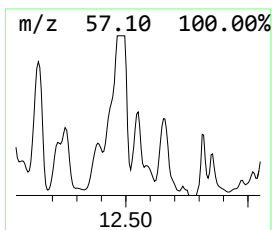
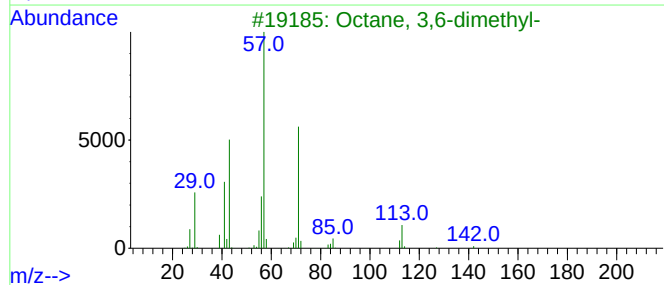
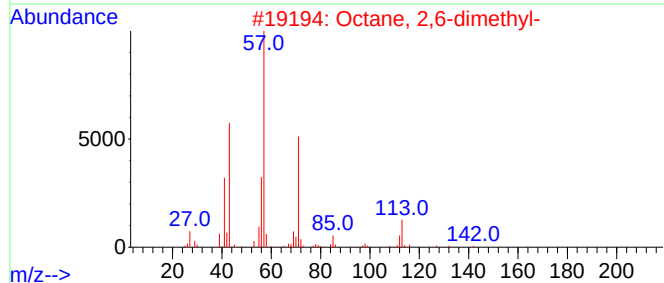
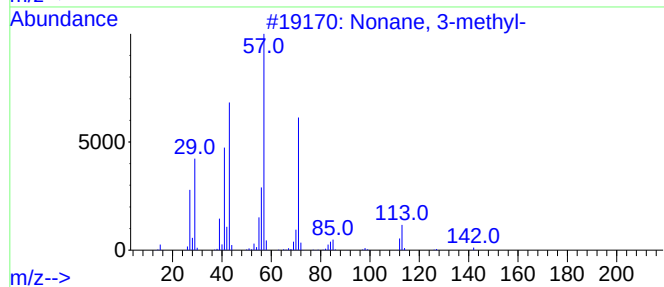
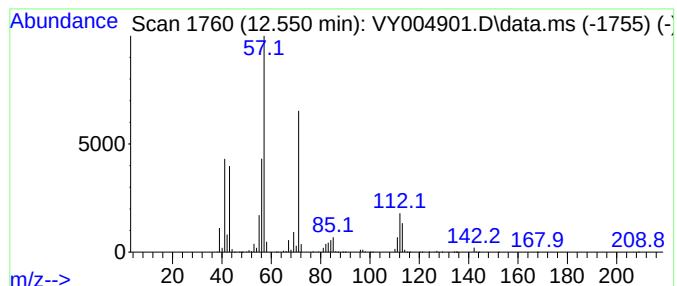
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Quant Title : SW846 8260

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

Peak Number 9 Nonane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.550	259.78 ug/l	22729700	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	87
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	50
5			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

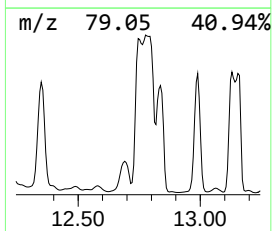
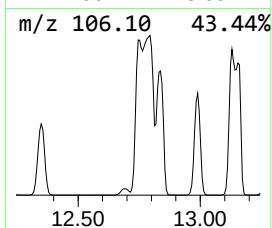
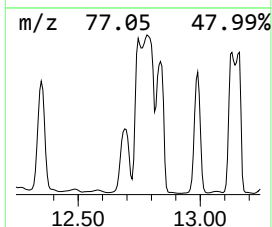
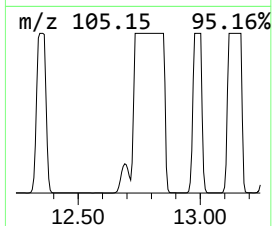
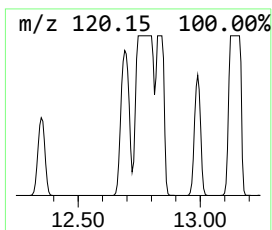
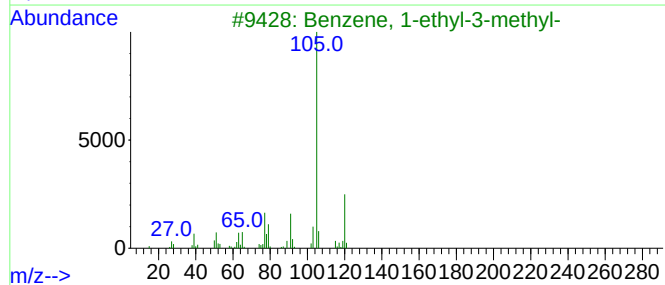
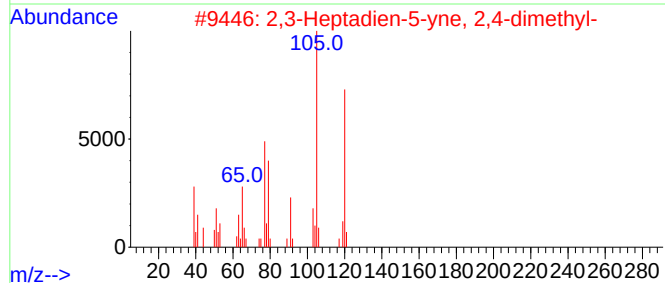
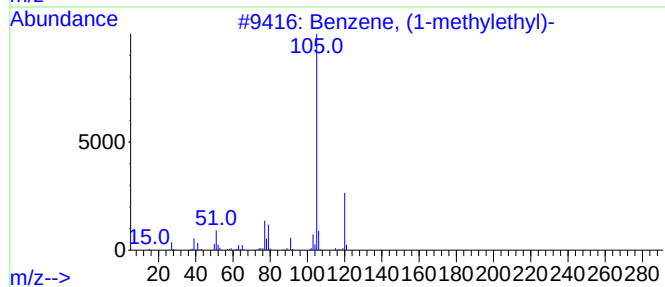
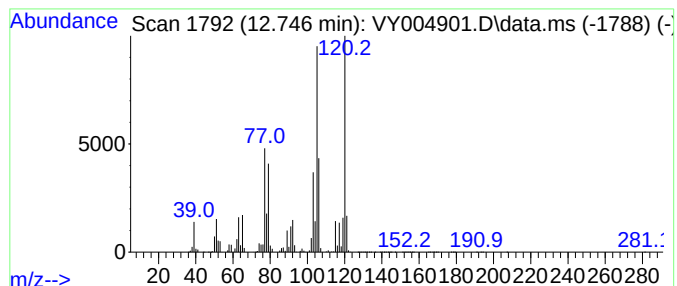
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.746	1108.43 ug/l	96984000	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	80
2			2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	72
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72
4			1,3-Cyclopentadiene, 5-(1-methyl...)	120	C9H12	003141-02-4	64
5			Cyclohexene, 1-(1-propynyl)-	120	C9H12	001655-05-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

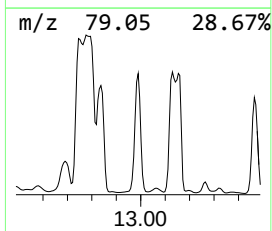
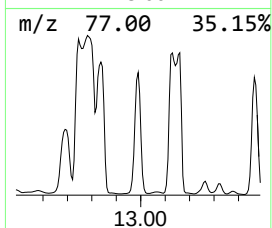
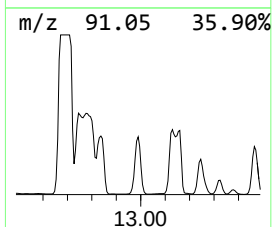
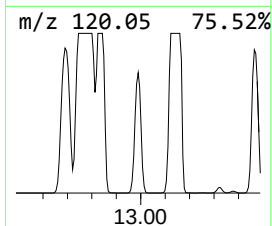
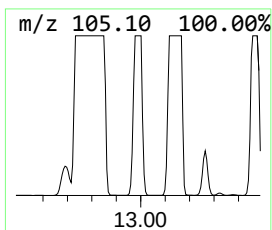
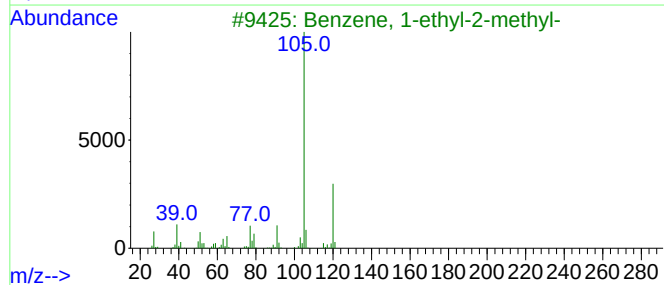
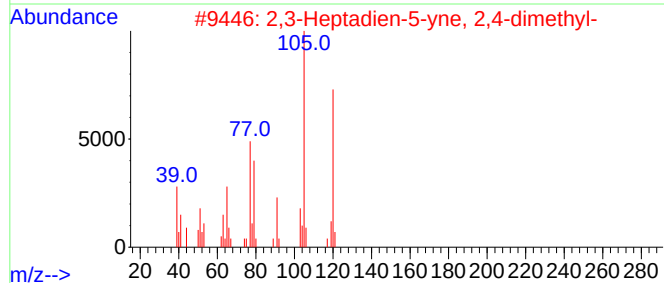
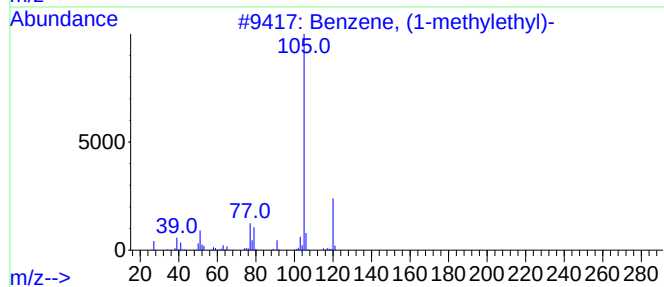
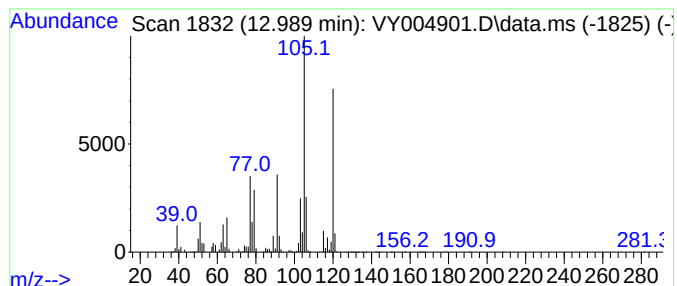
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Quant Title : SW846 8260

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

Peak Number 11 2,3-Heptadien-5-yne, 2,4-di... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.989	1037.40 ug/l	90768500	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	83
2			2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	80
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
4			1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	72
5			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

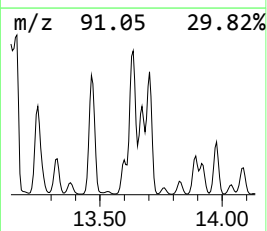
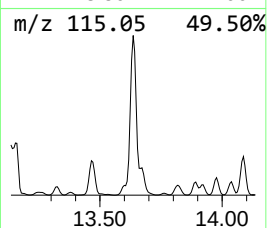
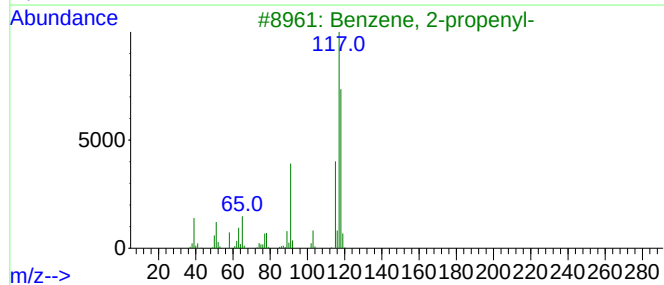
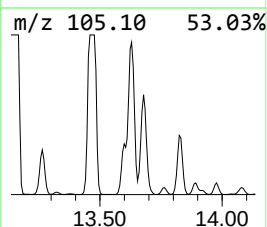
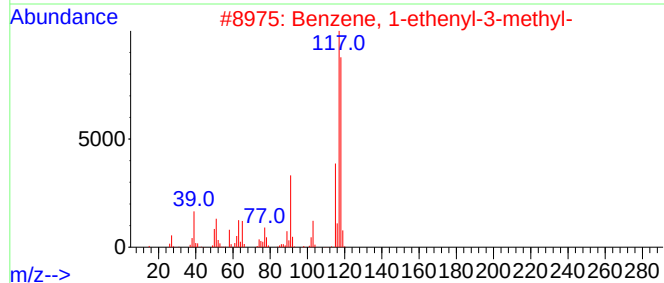
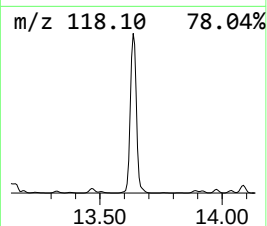
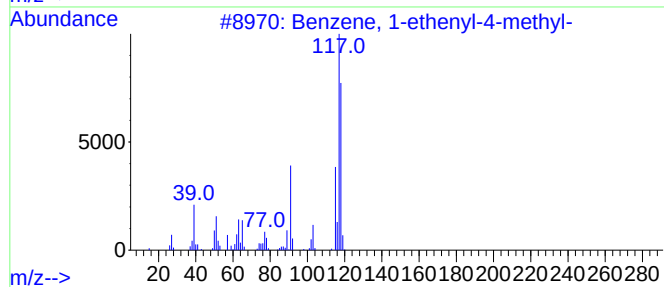
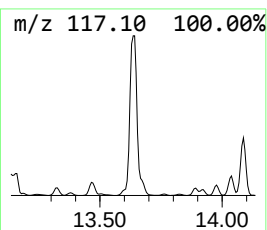
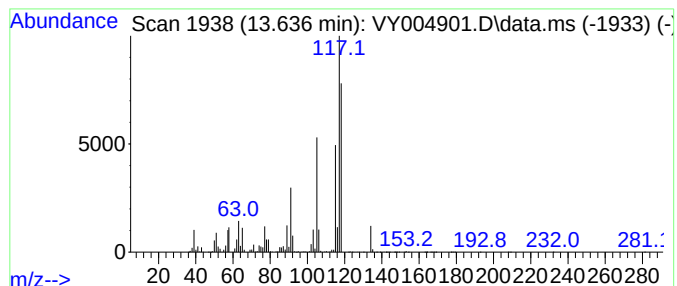
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Quant Title : SW846 8260

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

Peak Number 12 Benzene, 1-ethenyl-4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.636	1200.56 ug/l	105045000	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
2			Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	92
3			Benzene, 2-propenyl-	118	C9H10	000300-57-2	92
4			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
5			Benzene, 1-propenyl-	118	C9H10	000637-50-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

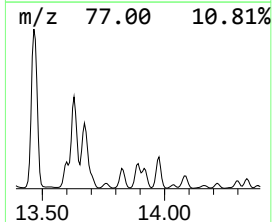
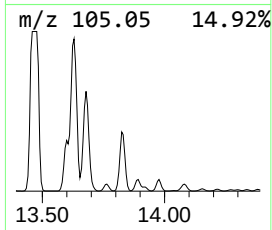
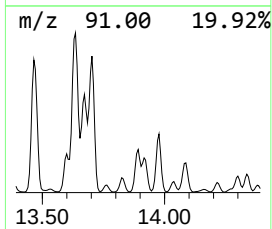
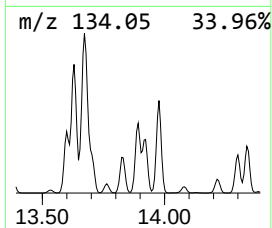
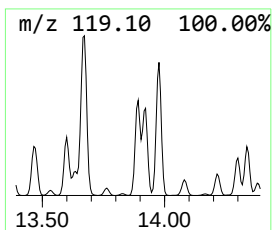
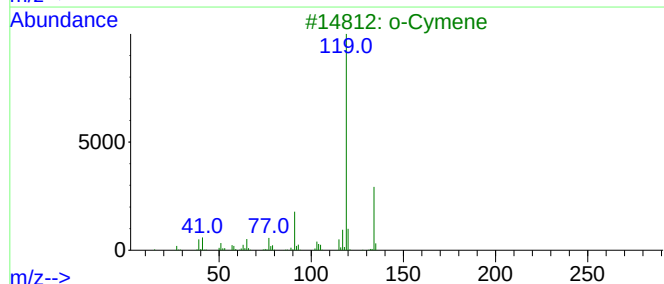
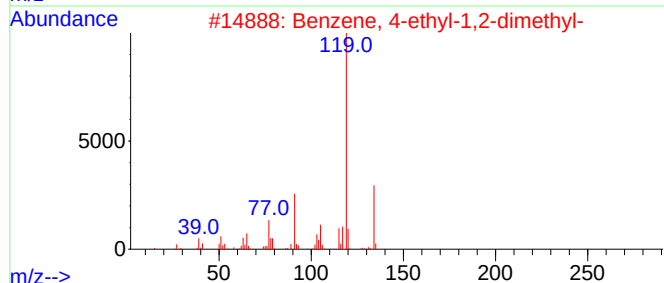
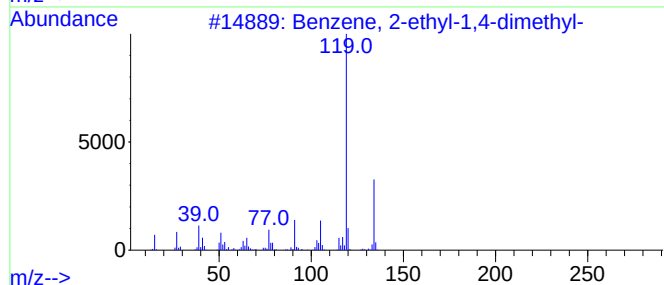
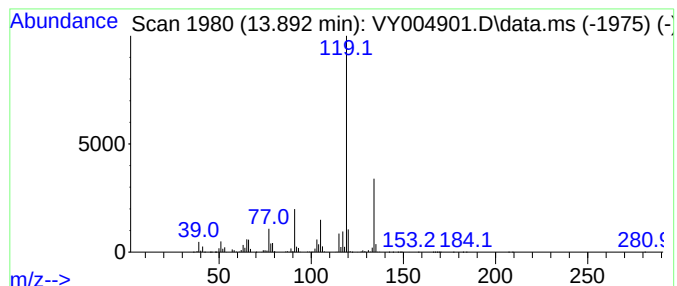
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Quant Title : SW846 8260

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

Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	200.42 ug/l	17536100	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5			p-Cymene	134	C10H14	000099-87-6	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

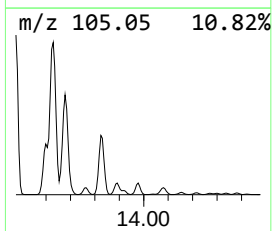
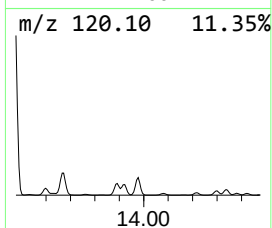
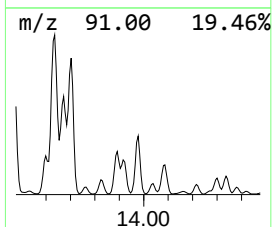
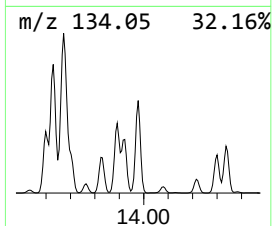
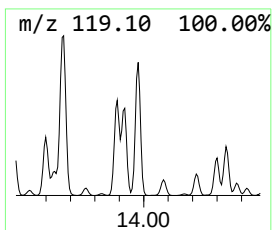
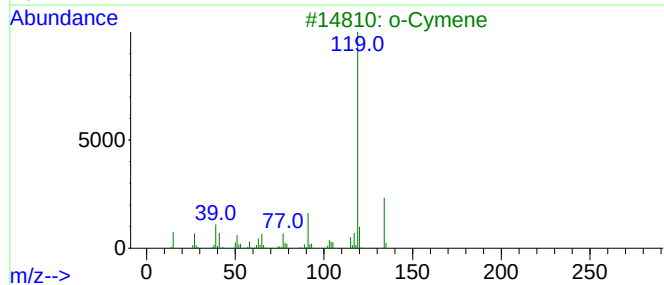
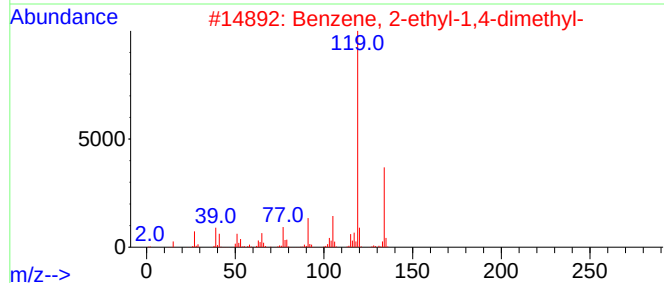
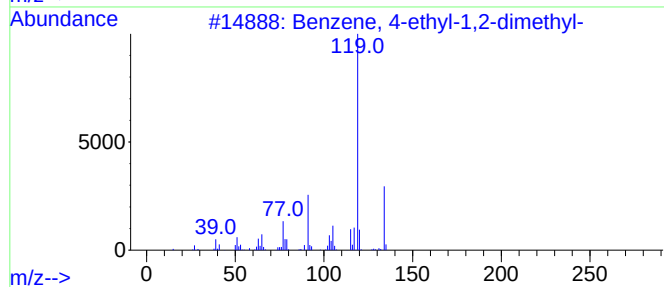
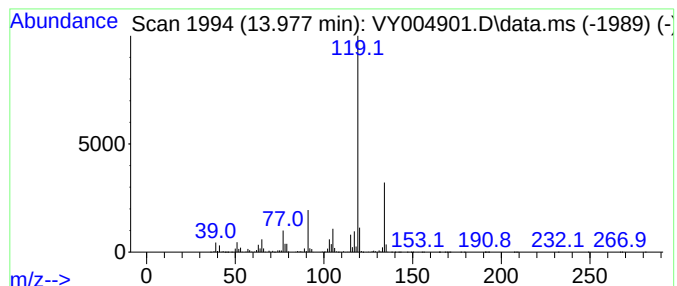
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Quant Title : SW846 8260

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

Peak Number 14 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.977	255.04 ug/l	22314800	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
Data File : VY004901.D
Acq On : 27 May 2021 15:24
Operator : SY/MD
Sample : M2535-03
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GHOST-3D

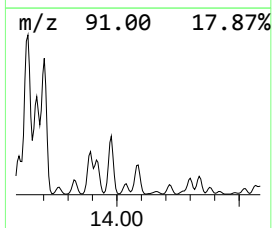
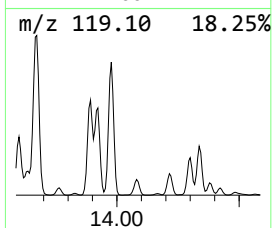
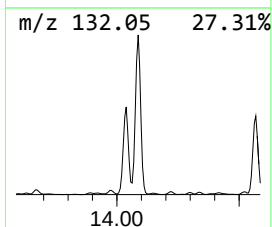
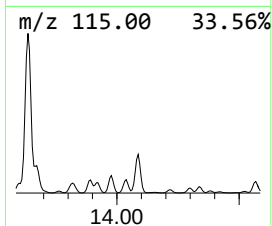
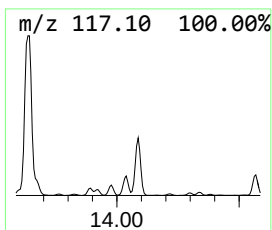
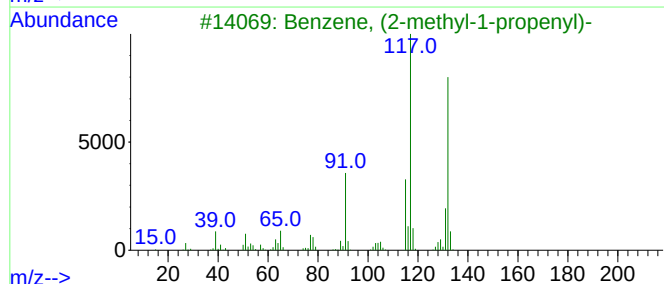
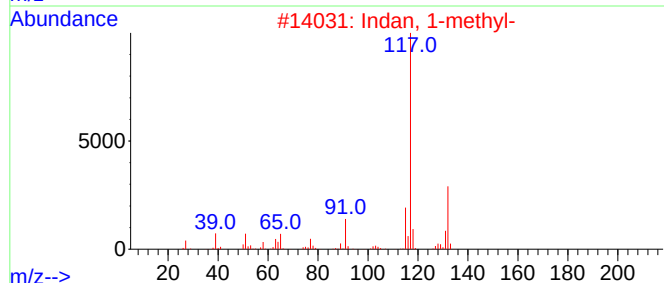
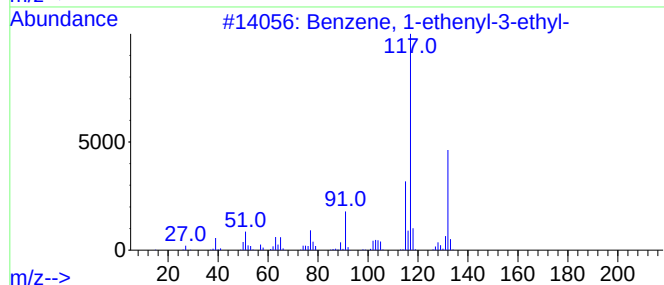
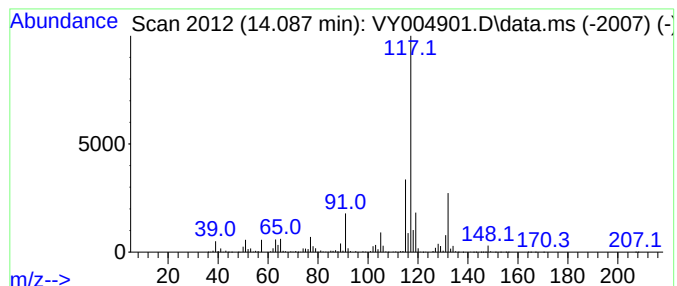
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260

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

Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.087	185.82 ug/l	16258500	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2			Indan, 1-methyl-	132	C10H12	000767-58-8	87
3			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	72
5			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004901.D
 Acq On : 27 May 2021 15:24
 Operator : SY/MD
 Sample : M2535-03
 Misc : 7.19G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GHOST-3D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Pentane, 2,2,3-...	8.356	975.6	ug/l	163333000	2	8.704	8371180	50.0
Pentane, 2,3,4-...	9.642	1167.1	ug/l	195397000	2	8.704	8371180	50.0
Pentane, 2,3,3-...	9.783	1357.3	ug/l	227249000	2	8.704	8371180	50.0
Heptane, 3-methyl-	9.984	745.5	ug/l	124819000	2	8.704	8371180	50.0
Pentane, 3-ethy...	10.142	273.4	ug/l	143591000	3	11.508	26264800	50.0
Octane	10.392	338.2	ug/l	177668000	3	11.508	26264800	50.0
unknown10.648	10.648	175.6	ug/l	92226800	3	11.508	26264800	50.0
Octane, 2,3-dim...	11.441	227.5	ug/l	119521000	3	11.508	26264800	50.0
Nonane, 3-methyl-	12.550	259.8	ug/l	22729700	4	13.434	4374830	50.0
Benzene, (1-met...	12.746	1108.4	ug/l	96984000	4	13.434	4374830	50.0
2,3-Heptadien-5...	12.989	1037.4	ug/l	90768500	4	13.434	4374830	50.0
Benzene, 1-ethe...	13.636	1200.6	ug/l	105045000	4	13.434	4374830	50.0
Benzene, 2-ethy...	13.892	200.4	ug/l	17536100	4	13.434	4374830	50.0
Benzene, 4-ethy...	13.977	255.0	ug/l	22314800	4	13.434	4374830	50.0
Benzene, 1-ethe...	14.087	185.8	ug/l	16258500	4	13.434	4374830	50.0