

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007520.D
 Acq On : 17 Feb 2022 14:17
 Operator : SY/MD
 Sample : N1465-03
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A5-3-8.5

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\82Y021422S.M
 Title : SW846 8260

Signal : TIC: VY007520.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.247	62	70	76	rBV2	3677	7217	1.14%	0.160%
2	2.900	170	177	191	rBV	35783	81292	12.81%	1.798%
3	3.253	228	235	242	rBV3	3474	8341	1.31%	0.184%
4	3.942	338	348	363	rVB4	10037	32858	5.18%	0.727%
5	4.698	460	472	499	rBV2	27428	139624	22.00%	3.087%
6	4.948	501	513	529	rVB2	21596	82778	13.05%	1.830%
7	5.222	545	558	578	rVB3	32801	127119	20.03%	2.811%
8	5.753	637	645	654	rVB5	2765	7752	1.22%	0.171%
9	6.686	788	798	806	rBV3	9393	28482	4.49%	0.630%
10	6.783	806	814	827	rVB3	8351	27215	4.29%	0.602%
11	7.716	958	967	973	rBV	72812	174552	27.51%	3.860%
12	7.789	973	979	986	rVV	117000	272053	42.88%	6.016%
13	7.868	986	992	1004	rVB	23433	59609	9.39%	1.318%
14	8.002	1004	1014	1018	rBV5	4433	10578	1.67%	0.234%
15	8.143	1028	1037	1047	rBV2	73041	176737	27.85%	3.908%
16	8.240	1047	1053	1060	rVV	21005	55480	8.74%	1.227%
17	8.326	1060	1067	1076	rVV2	33746	87070	13.72%	1.925%
18	8.411	1076	1081	1088	rVB3	3928	9076	1.43%	0.201%
19	8.691	1117	1127	1138	rBV	174548	349616	55.10%	7.731%
20	9.149	1196	1202	1203	rBV3	6318	9747	1.54%	0.216%
21	9.185	1203	1208	1213	rVV4	12761	26888	4.24%	0.595%
22	9.246	1213	1218	1225	rVB5	4801	9196	1.45%	0.203%
23	9.459	1245	1253	1261	rBV3	4427	9820	1.55%	0.217%
24	9.612	1271	1278	1288	rVB3	21966	45481	7.17%	1.006%
25	9.746	1288	1300	1307	rBV3	30654	66824	10.53%	1.478%
26	9.941	1325	1332	1333	rBV3	7869	13355	2.10%	0.295%
27	10.112	1350	1360	1364	rBV2	12324	22054	3.48%	0.488%
28	10.179	1364	1371	1379	rVV	276645	477654	75.28%	10.562%
29	10.295	1385	1390	1395	rBV	8598	14458	2.28%	0.320%
30	10.368	1395	1402	1410	rVB7	6114	15771	2.49%	0.349%
31	10.520	1422	1427	1432	rBV3	4030	6660	1.05%	0.147%
32	10.624	1438	1444	1454	rVB8	5055	13418	2.11%	0.297%
33	11.276	1543	1551	1560	rVB4	5420	13893	2.19%	0.307%
34	11.380	1560	1568	1572	rBV4	5132	9872	1.56%	0.218%
35	11.490	1577	1586	1596	rBV	277922	448398	70.67%	9.915%
36	11.593	1596	1603	1611	rVB	10174	21299	3.36%	0.471%

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37	11.703	1613	1621	1631	rBV5	11010	26820	4.23%	0.593%
38	12.483	1739	1749	1759	rVB2	350108	634521	100.00%	14.031%
39	12.672	1774	1780	1785	rVB	5888	9392	1.48%	0.208%
40	12.733	1785	1790	1793	rBV2	9508	14765	2.33%	0.326%
41	12.806	1798	1802	1805	rVV3	11551	19707	3.11%	0.436%
42	12.837	1805	1807	1813	rVB	10212	13920	2.19%	0.308%
43	12.971	1821	1829	1835	rBV	10823	18586	2.93%	0.411%
44	13.117	1848	1853	1858	rVB2	19148	28713	4.53%	0.635%
45	13.245	1867	1874	1878	rBV4	5212	11645	1.84%	0.258%
46	13.422	1896	1903	1913	rBB	282191	435750	68.67%	9.636%
47	13.593	1925	1931	1933	rBV	20598	31176	4.91%	0.689%
48	13.623	1933	1936	1941	rVV	49747	77272	12.18%	1.709%
49	13.666	1941	1943	1952	rVB3	9190	16975	2.68%	0.375%
50	13.751	1952	1957	1961	rBV3	6614	10412	1.64%	0.230%
51	13.892	1975	1980	1986	rBV3	5724	12365	1.95%	0.273%
52	13.965	1986	1992	1998	rVB3	36613	59480	9.37%	1.315%
53	14.026	1998	2002	2006	rBV3	4682	6415	1.01%	0.142%
54	14.081	2006	2011	2016	rVB2	21589	32710	5.16%	0.723%
55	14.294	2042	2046	2050	rVB2	8182	11149	1.76%	0.247%
56	14.410	2062	2065	2070	rVB5	4894	7739	1.22%	0.171%
57	14.562	2086	2090	2095	rBV5	4778	9458	1.49%	0.209%
58	14.678	2103	2109	2114	rBV3	8702	18443	2.91%	0.408%
59	15.044	2165	2169	2177	rVB6	4604	10923	1.72%	0.242%
60	15.233	2190	2200	2205	rBV2	9254	18287	2.88%	0.404%
61	16.288	2367	2373	2383	rVB3	6995	13588	2.14%	0.300%
62	16.483	2398	2405	2412	rBV3	4672	9804	1.55%	0.217%

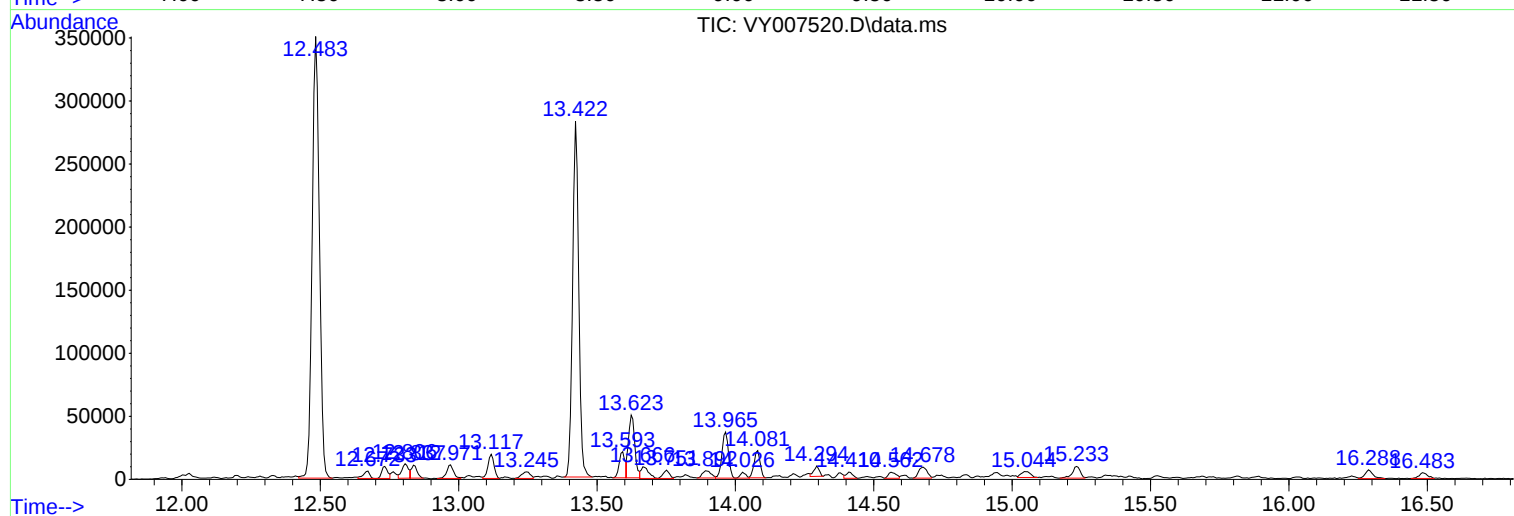
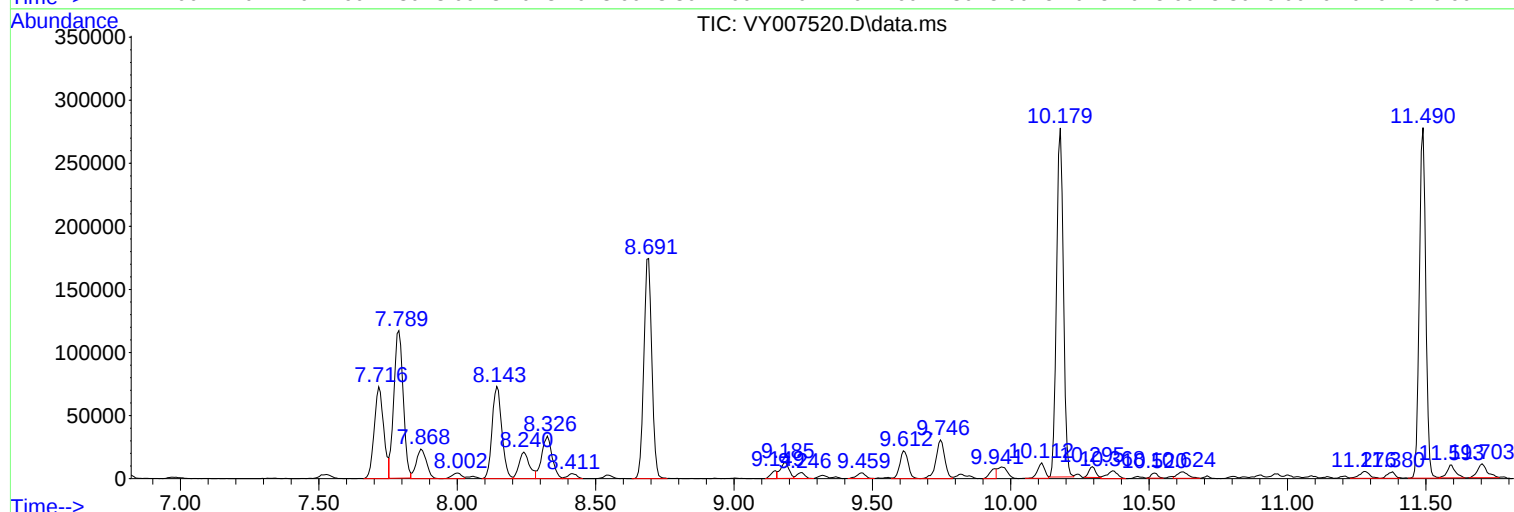
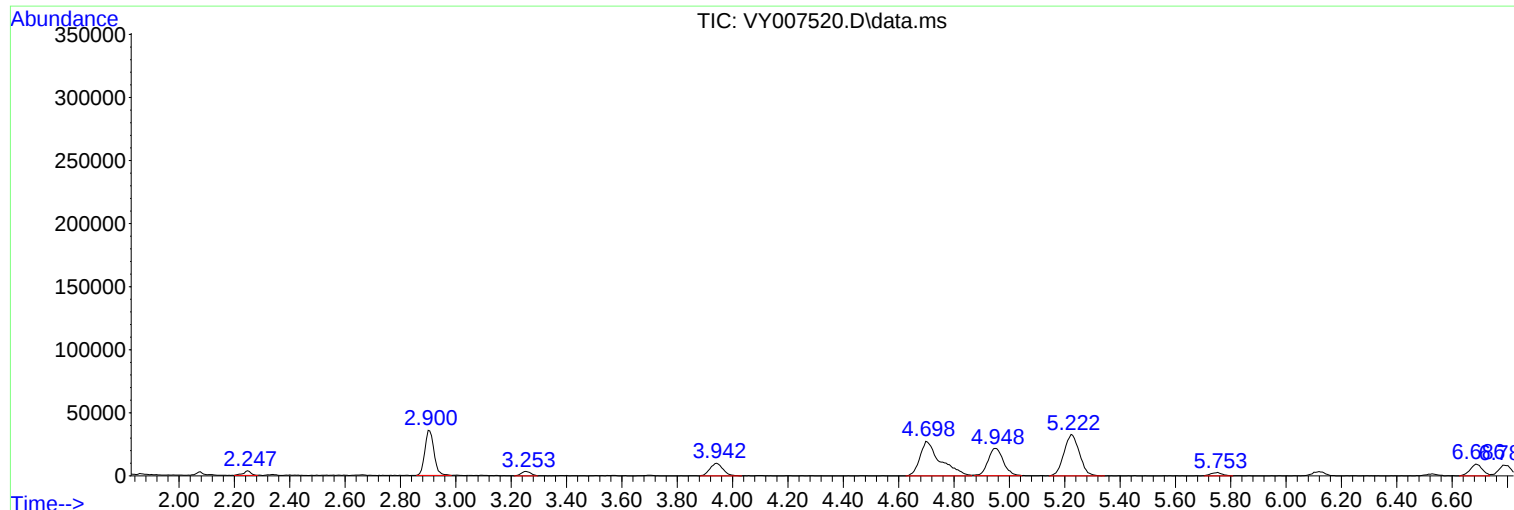
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Quant Title : SW846 8260

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



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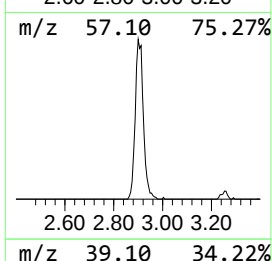
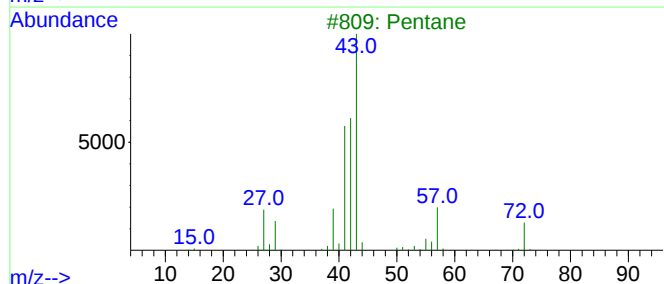
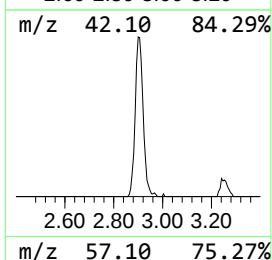
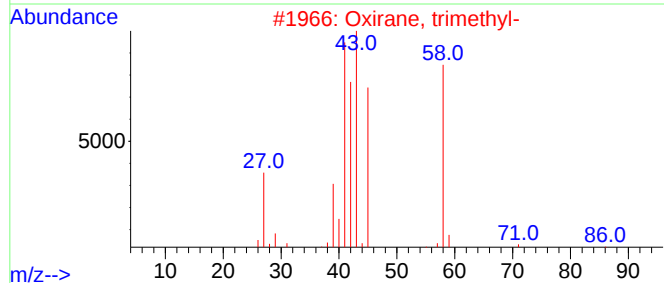
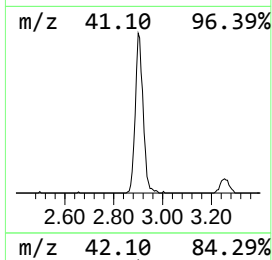
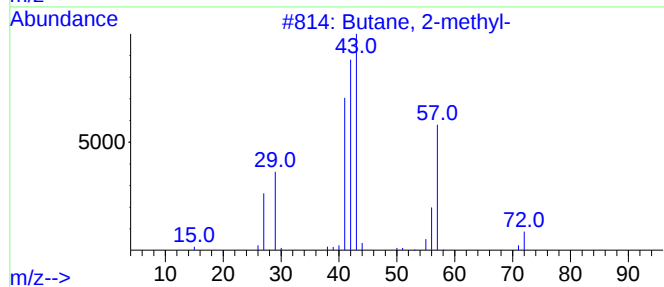
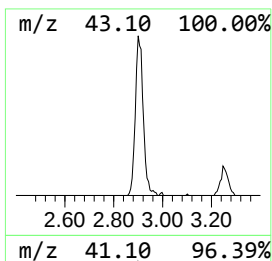
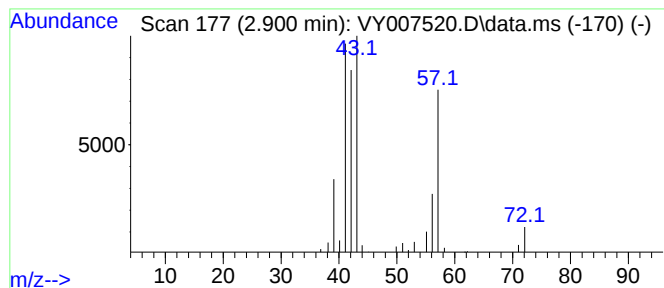
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.900	14.94 ug/l	81292	Pentafluorobenzene	7.789

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methyl-	72	C5H12	000078-78-4	86
2			Oxirane, trimethyl-	86	C5H10O	005076-19-7	42
3			Pentane	72	C5H12	000109-66-0	42
4			Isobutylene epoxide	72	C4H8O	000558-30-5	38
5			1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	33



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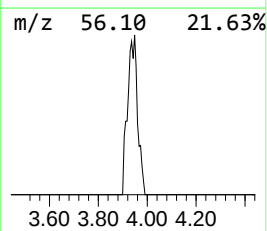
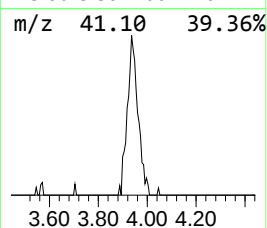
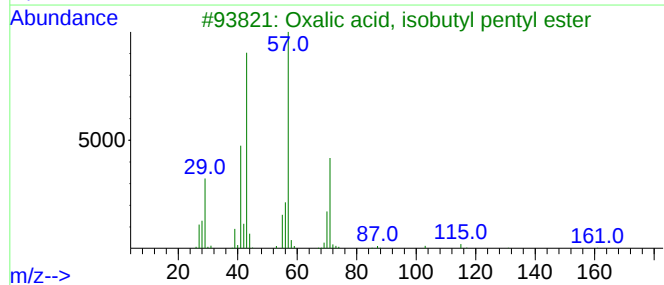
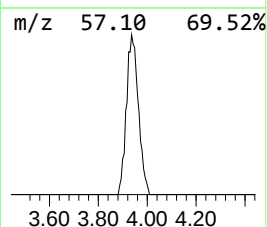
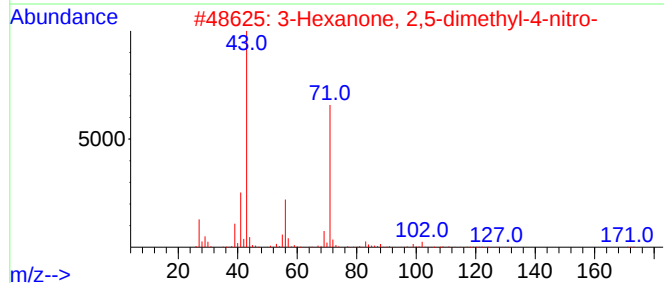
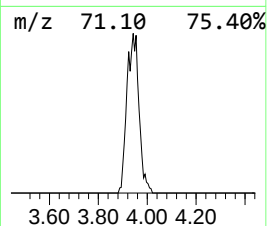
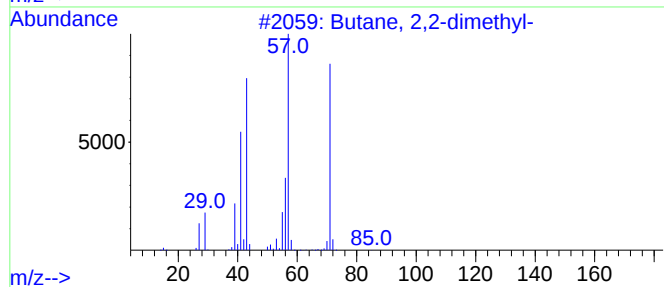
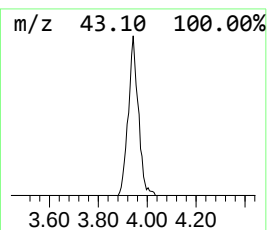
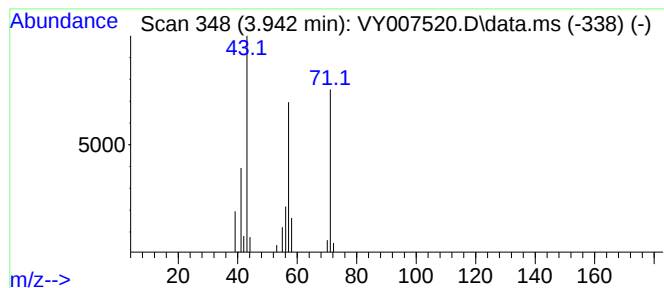
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
Quant Title : SW846 8260

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

Peak Number 2 Butane, 2,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.942	6.04 ug/l	32858	Pentafluorobenzene	7.789

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	72
2			3-Hexanone, 2,5-dimethyl-4-nitro-	173	C8H15NO3	059906-54-6	56
3			Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	40
4			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	39
5			Butane, 2-bromo-2-methyl-	150	C5H11Br	000507-36-8	36



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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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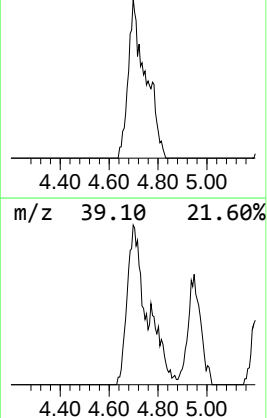
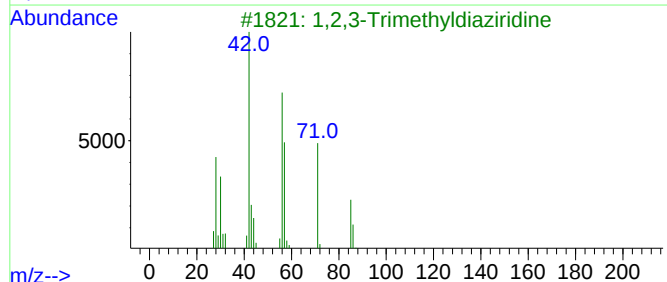
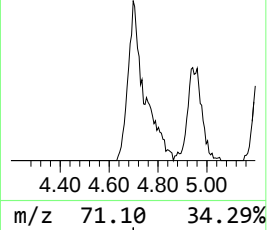
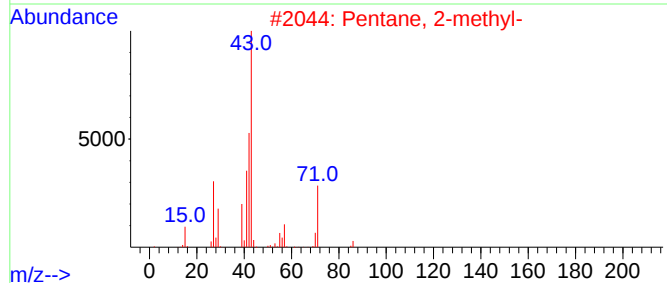
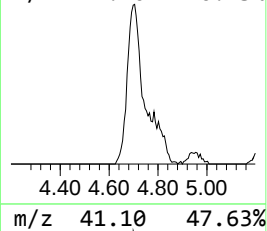
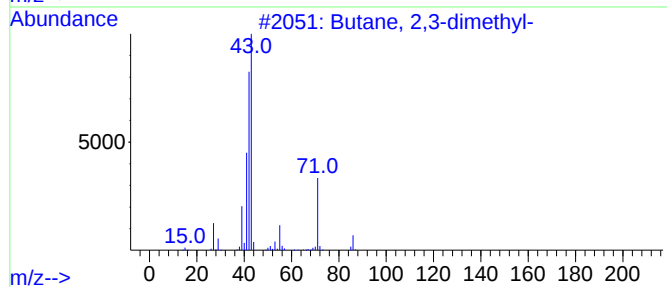
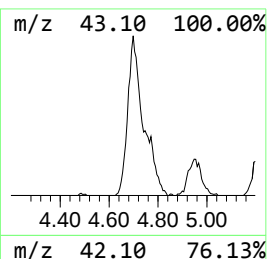
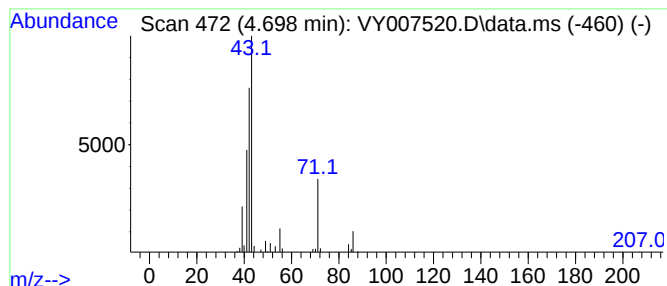
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
Quant Title : SW846 8260

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

Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.698	25.66 ug/l	139624	Pentafluorobenzene	7.789

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2			Pentane, 2-methyl-	86	C6H14	000107-83-5	64
3			1,2,3-Trimethyldiaziridine	86	C4H10N2	113604-56-1	36
4			Pentane	72	C5H12	000109-66-0	33
5			Tetrahydrofuran	72	C4H8O	000109-99-9	33



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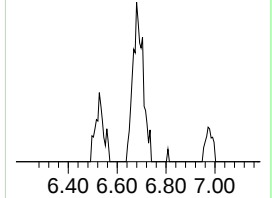
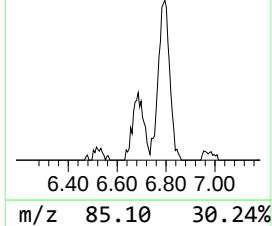
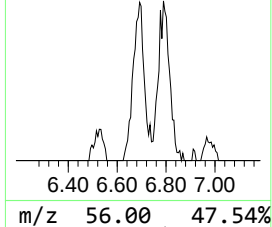
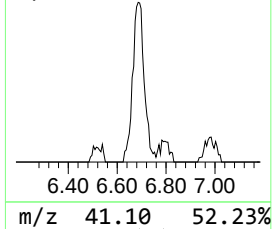
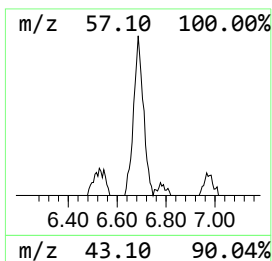
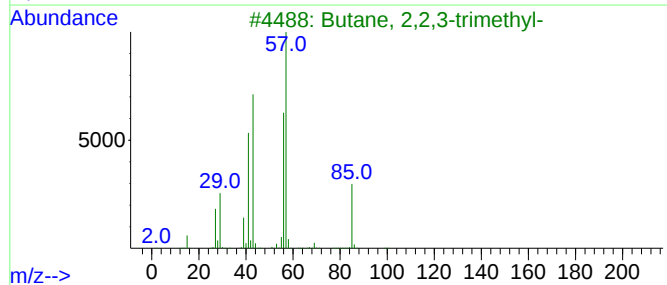
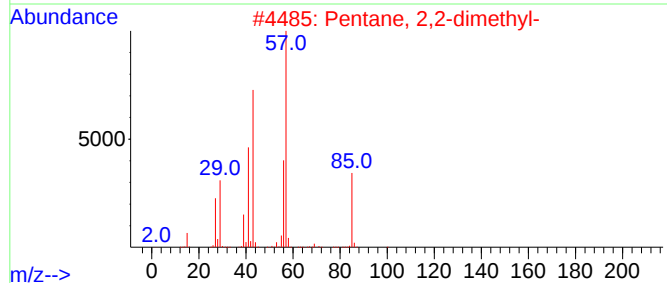
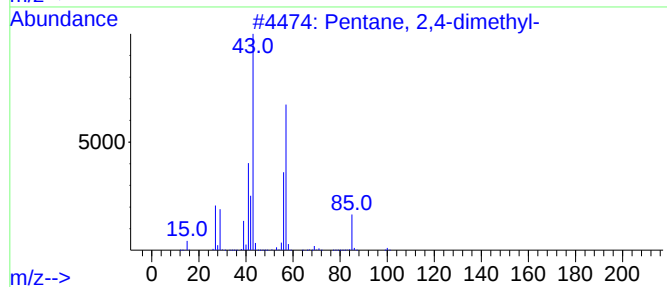
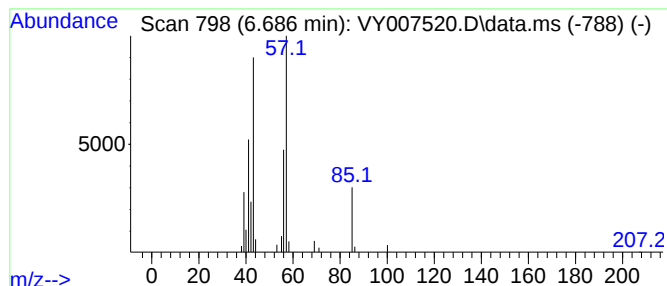
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TIC Library : C:\Database\NIST20.L
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Peak Number 4 Pentane, 2,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.686	5.23 ug/l	28482	Pentafluorobenzene	7.789

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64
3			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
4			Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	59
5			Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	50



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A5-3-8.5

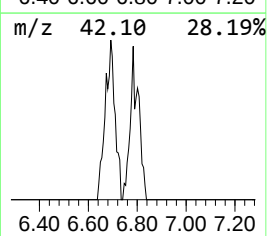
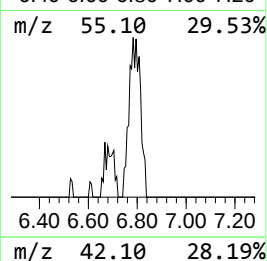
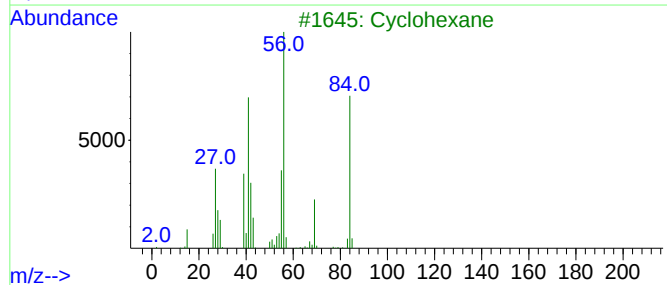
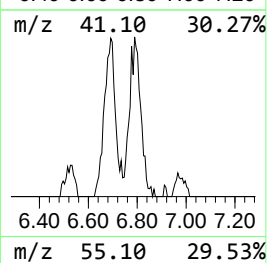
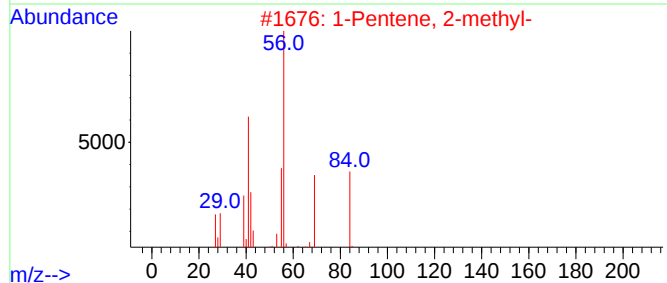
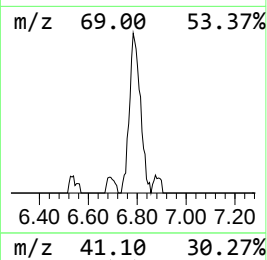
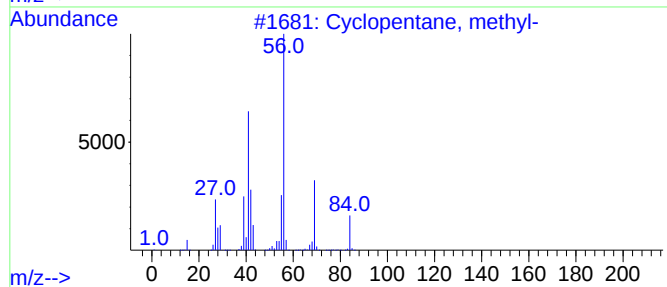
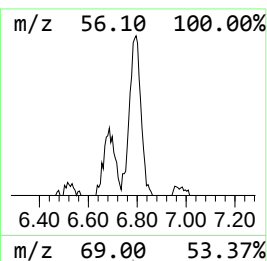
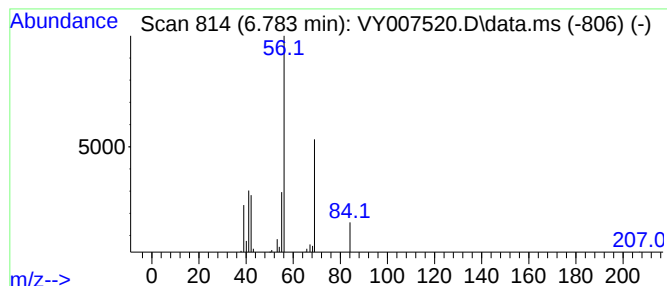
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.783	5.00 ug/l	27215	Pentafluorobenzene	7.789

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	86
2			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
3			Cyclohexane	84	C6H12	000110-82-7	64
4			Cyclobutane, ethyl-	84	C6H12	004806-61-5	59
5			Cyclobutane, 1,2-diethyl-, trans-	112	C8H16	019341-98-1	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
Data File : VY007520.D
Acq On : 17 Feb 2022 14:17
Operator : SY/MD
Sample : N1465-03
Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A5-3-8.5

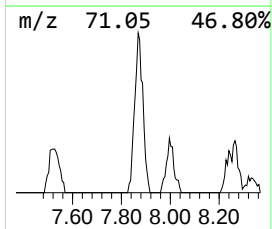
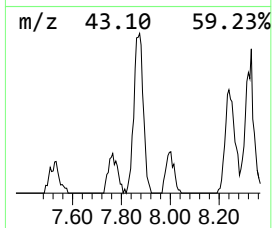
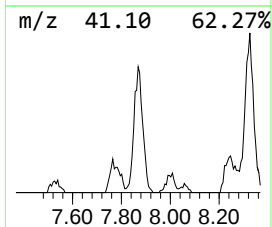
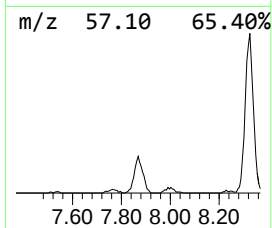
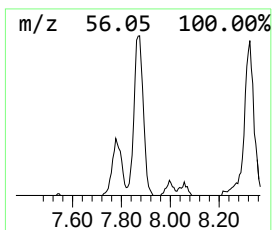
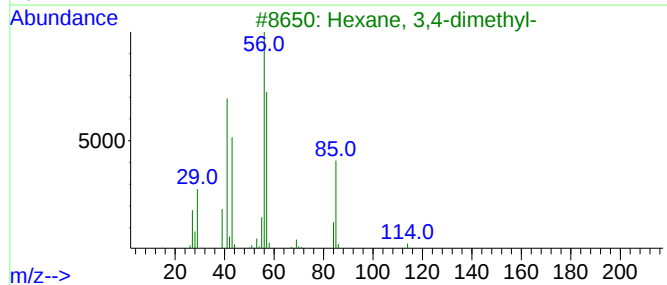
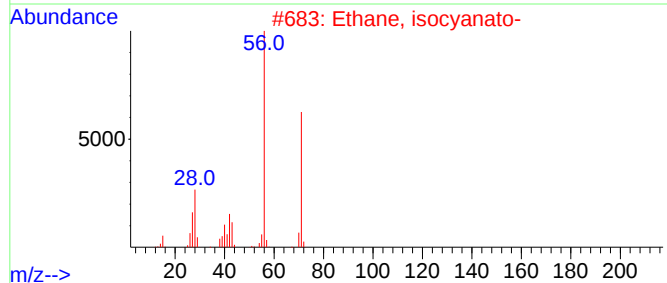
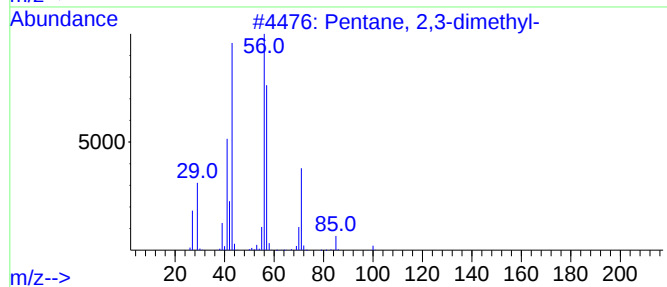
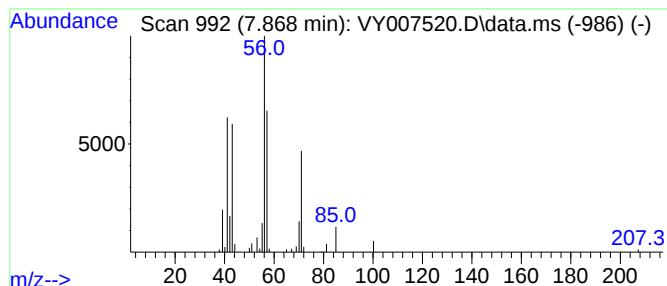
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Quant Title : SW846 8260

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

Peak Number 6 Pentane, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.868	10.96 ug/l	59609	Pentafluorobenzene	7.789

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2			Ethane, isocyanato-	71	C3H5NO	000109-90-0	64
3			Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	47
4			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	45
5			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
Data File : VY007520.D
Acq On : 17 Feb 2022 14:17
Operator : SY/MD
Sample : N1465-03
Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A5-3-8.5

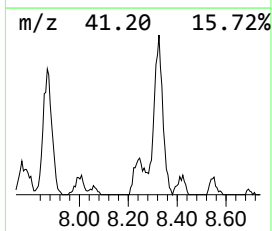
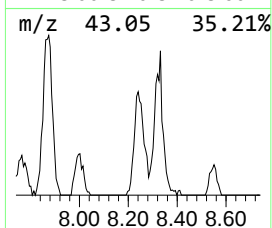
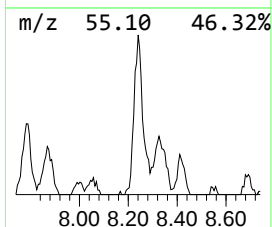
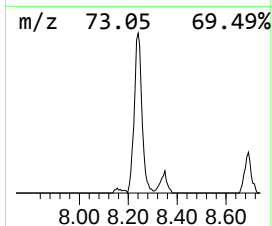
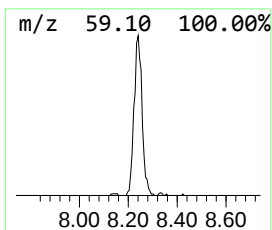
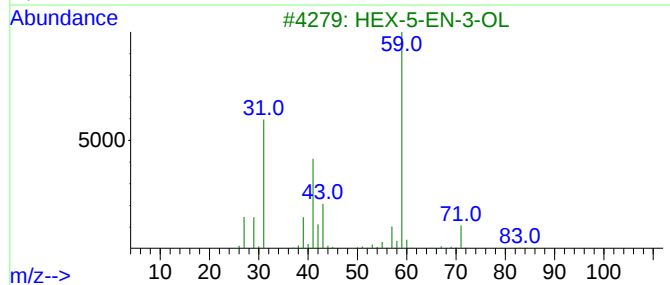
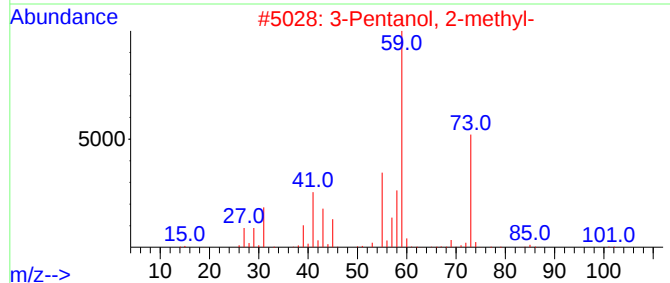
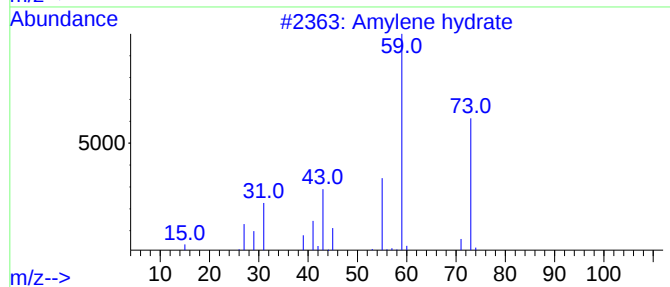
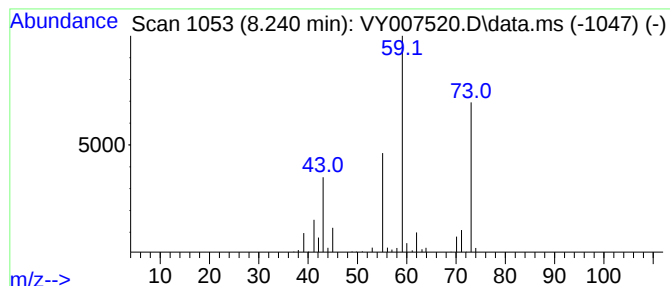
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Quant Title : SW846 8260

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

Peak Number 7 Amylene hydrate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.240	7.93 ug/l	55480	1,4-Difluorobenzene	8.691

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Amylene hydrate	88	C5H12O	000075-85-4	53
2			3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	50
3			HEX-5-EN-3-OL	100	C6H12O	000688-99-3	37
4			Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	23
5			2-Fluoropropene	60	C3H5F	001184-60-7	23



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
Data File : VY007520.D
Acq On : 17 Feb 2022 14:17
Operator : SY/MD
Sample : N1465-03
Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A5-3-8.5

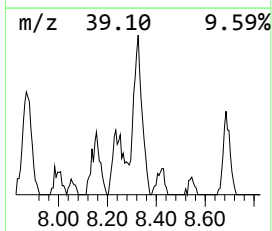
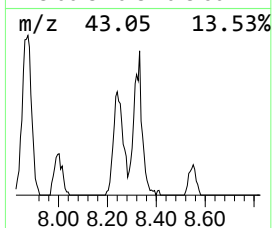
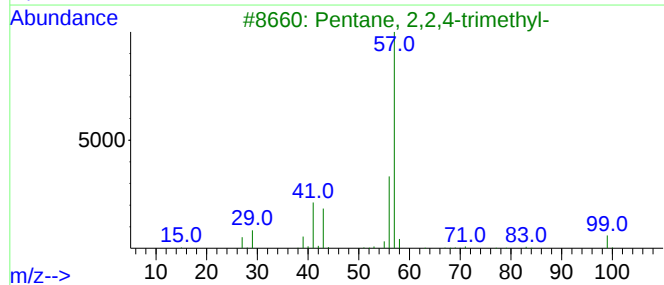
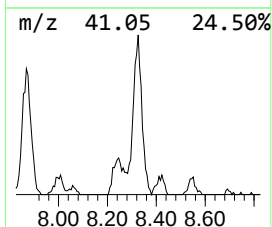
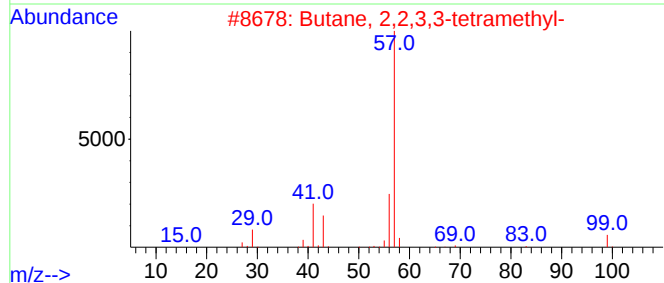
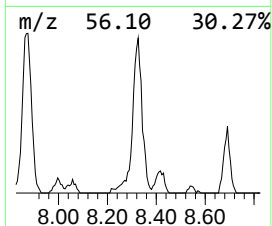
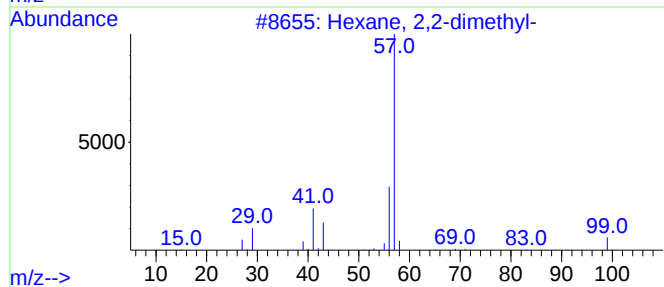
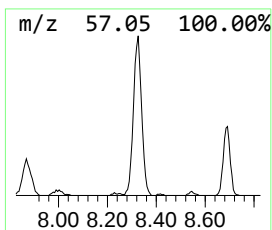
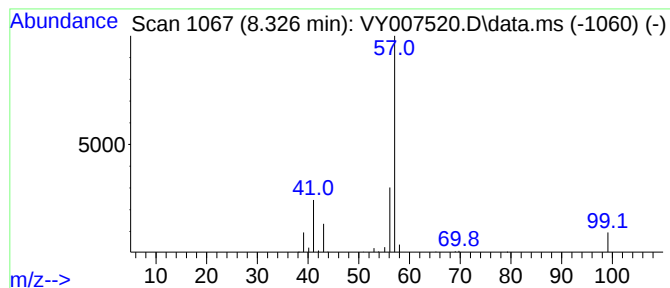
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Quant Title : SW846 8260

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

Peak Number 8 Hexane, 2,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.326	12.45 ug/l	87070	1,4-Difluorobenzene	8.691

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56
4			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	45
5			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	36



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
Data File : VY007520.D
Acq On : 17 Feb 2022 14:17
Operator : SY/MD
Sample : N1465-03
Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A5-3-8.5

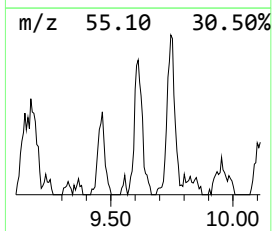
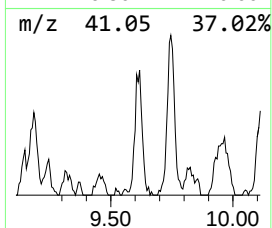
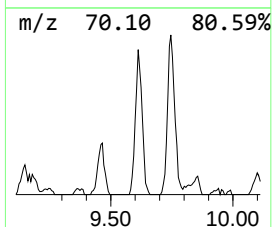
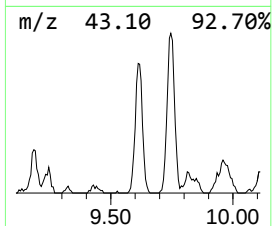
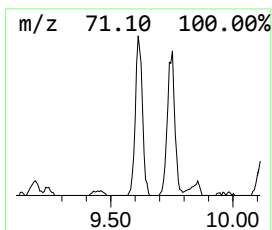
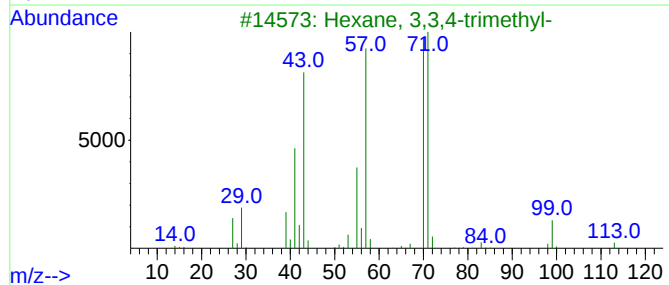
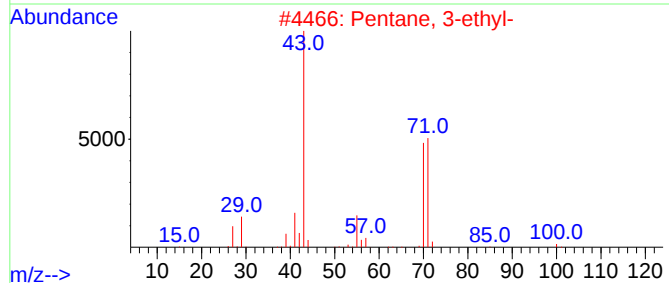
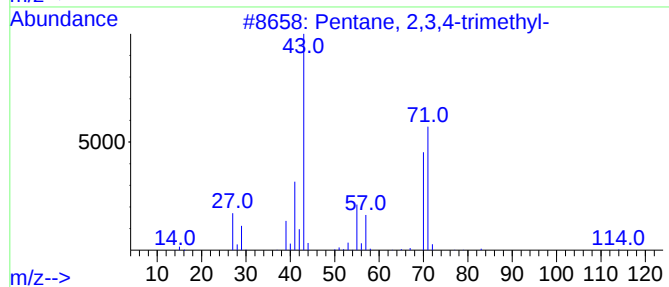
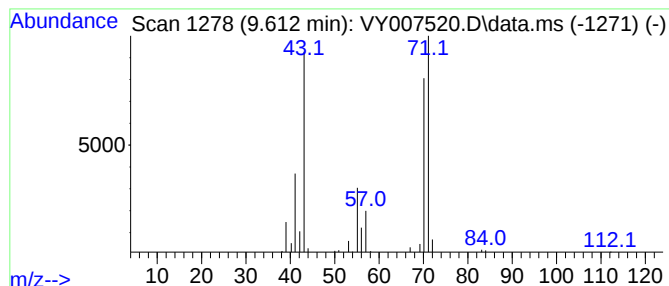
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Quant Title : SW846 8260

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

Peak Number 9 Pentane, 2,3,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.612	6.50 ug/l	45481	1,4-Difluorobenzene	8.691

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
2			Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
4			Diisooamyl ether	158	C10H22O	000544-01-4	74
5			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
Data File : VY007520.D
Acq On : 17 Feb 2022 14:17
Operator : SY/MD
Sample : N1465-03
Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A5-3-8.5

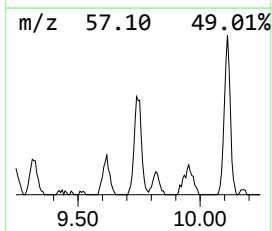
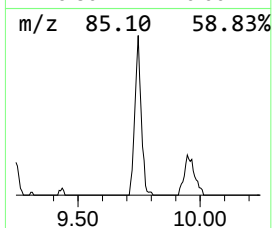
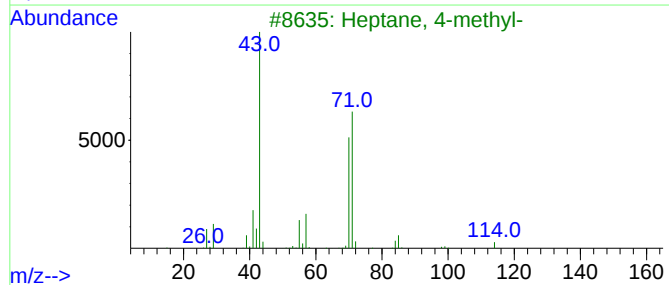
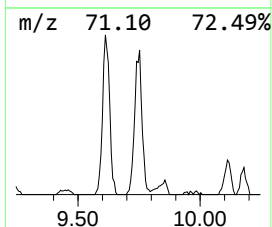
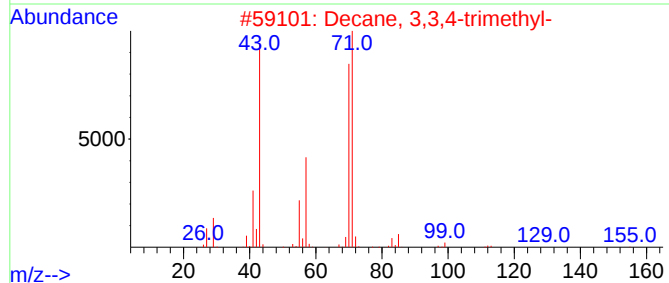
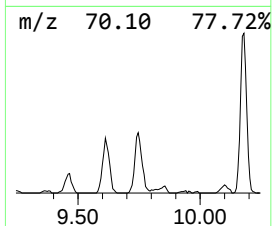
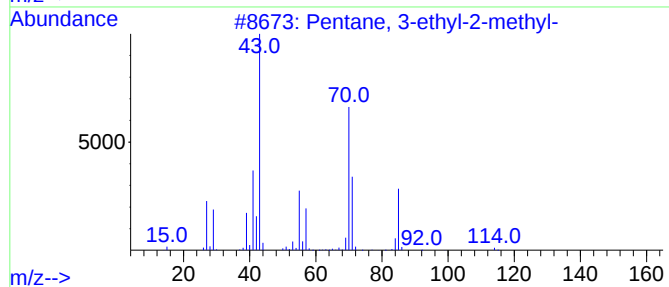
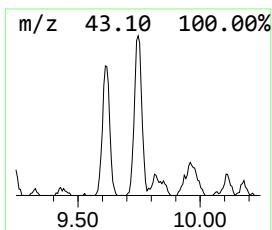
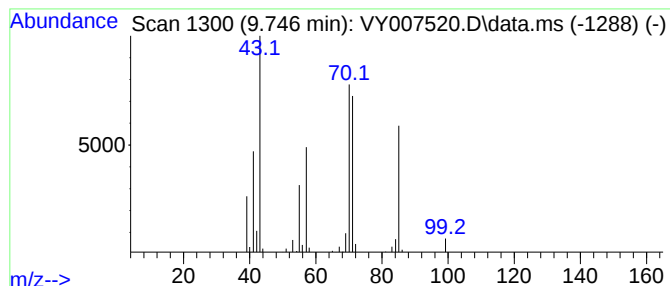
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Quant Title : SW846 8260

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

Peak Number 10 Pentane, 3-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.746	9.56 ug/l	66824	1,4-Difluorobenzene	8.691

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	72
2		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	56
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
Data File : VY007520.D
Acq On : 17 Feb 2022 14:17
Operator : SY/MD
Sample : N1465-03
Misc : 6.07g/5.0mL/MSVOA_Y/soil
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A5-3-8.5

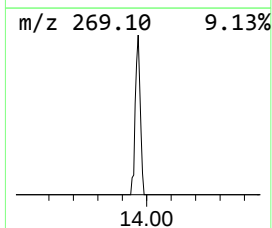
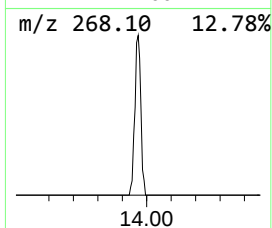
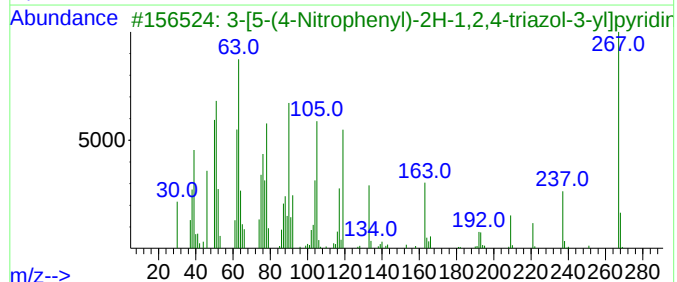
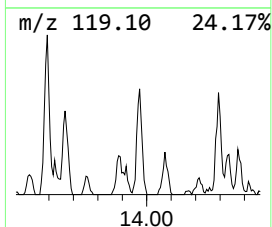
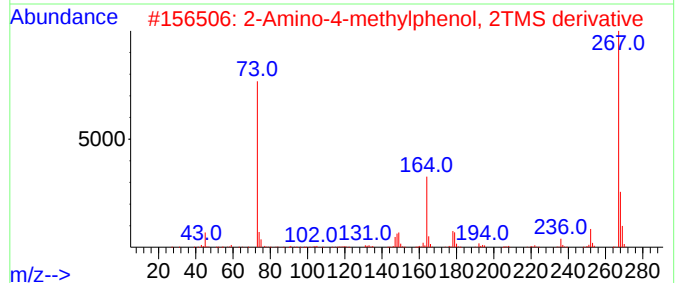
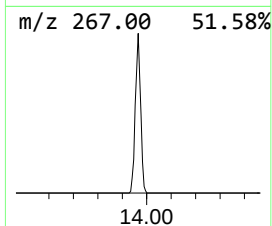
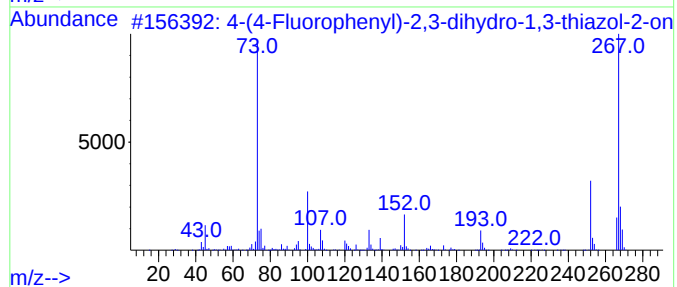
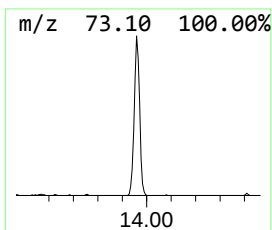
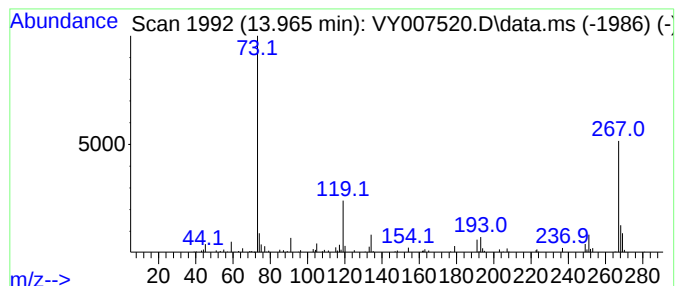
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 4-(4-Fluorophenyl)-2,3-dihy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.965	6.83 ug/l	59480	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-(4-Fluorophenyl)-2,3-dihydro-1...	267	C12H14FNOSSi	1010501-61-0	52
2			2-Amino-4-methylphenol, 2TMS der...	267	C13H25NOSi2	1000373-28-1	50
3			3-[5-(4-Nitrophenyl)-2H-1,2,4-tr...	267	C13H9N5O2	1000409-33-8	49
4			1-(4-Hydroxyphenyl)propane-1,2-d...	384	C18H36O3Si3	1000495-85-6	47
5			4-(2-Acetylamino-1-(trimethylsil...	339	C16H29NO3Si2	1000373-43-5	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
Data File : VY007520.D
Acq On : 17 Feb 2022 14:17
Operator : SY/MD
Sample : N1465-03
Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
A5-3-8.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.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
Butane, 2-methyl-	2.900	14.9	ug/l	81292	1	7.789	272053	50.0
Butane, 2,2-dim...	3.942	6.0	ug/l	32858	1	7.789	272053	50.0
Butane, 2,3-dim...	4.698	25.7	ug/l	139624	1	7.789	272053	50.0
Pentane, 2,4-di...	6.686	5.2	ug/l	28482	1	7.789	272053	50.0
Cyclopentane, m...	6.783	5.0	ug/l	27215	1	7.789	272053	50.0
Pentane, 2,3-di...	7.868	11.0	ug/l	59609	1	7.789	272053	50.0
Amylene hydrate	8.240	7.9	ug/l	55480	2	8.691	349616	50.0
Hexane, 2,2-dim...	8.326	12.4	ug/l	87070	2	8.691	349616	50.0
Pentane, 2,3,4-...	9.612	6.5	ug/l	45481	2	8.691	349616	50.0
Pentane, 3-ethy...	9.746	9.6	ug/l	66824	2	8.691	349616	50.0
4-(4-Fluorophen...	13.965	6.8	ug/l	59480	4	13.422	435750	50.0