

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
 Data File : VD068810.D
 Acq On : 09 Apr 2021 14:26
 Operator : VA/SY
 Sample : M1979-17
 Misc : 4.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-17

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_D\Method\82D040721S.M

Title : SW846 8260

Signal : TIC: VD068810.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.967	506	518	519	rBV	29040	57511	1.89%	0.155%
2	7.197	889	897	905	rBV2	11983	30883	1.01%	0.083%
3	7.920	1010	1020	1025	rBV	373944	922687	30.28%	2.489%
4	7.985	1025	1031	1041	rVB	627514	1407429	46.19%	3.797%
5	8.332	1074	1090	1100	rBV2	297033	873898	28.68%	2.357%
6	8.508	1110	1120	1129	rVB	175118	422387	13.86%	1.139%
7	8.867	1171	1181	1195	rBV	1000819	1983823	65.11%	5.352%
8	9.355	1250	1264	1269	rBV2	102808	232925	7.64%	0.628%
9	9.408	1269	1273	1281	rVV3	118502	233184	7.65%	0.629%
10	9.626	1299	1310	1321	rVB7	34465	97314	3.19%	0.263%
11	9.779	1327	1336	1345	rBV	203174	414226	13.60%	1.117%
12	9.920	1351	1360	1366	rBV2	215587	451988	14.83%	1.219%
13	10.008	1370	1375	1382	rVB3	81462	162625	5.34%	0.439%
14	10.114	1384	1393	1407	rVB	160851	412572	13.54%	1.113%
15	10.267	1407	1419	1425	rBV	292404	581234	19.08%	1.568%
16	10.338	1425	1431	1445	rVB	1653492	3046888	100.00%	8.219%
17	10.461	1446	1452	1456	rBV4	48437	94146	3.09%	0.254%
18	10.502	1456	1459	1470	rVB5	68581	171860	5.64%	0.464%
19	10.638	1470	1482	1485	rBV5	39360	86637	2.84%	0.234%
20	10.679	1485	1489	1494	rBV	66845	113351	3.72%	0.306%
21	10.785	1500	1507	1511	rBV3	136693	326848	10.73%	0.882%
22	10.861	1516	1520	1526	rVB	133155	223164	7.32%	0.602%
23	10.955	1526	1536	1542	rBV2	215499	393299	12.91%	1.061%
24	11.049	1542	1552	1561	rBV	274014	650373	21.35%	1.754%
25	11.126	1561	1565	1569	rVV2	87754	150490	4.94%	0.406%
26	11.155	1569	1570	1576	rVB2	61252	72027	2.36%	0.194%
27	11.244	1577	1585	1591	rBV2	377252	759576	24.93%	2.049%
28	11.302	1591	1595	1599	rVV2	115025	189232	6.21%	0.510%
29	11.355	1599	1604	1608	rVV3	228088	400549	13.15%	1.081%
30	11.420	1608	1615	1617	rVV3	191084	431772	14.17%	1.165%
31	11.449	1617	1620	1628	rVB2	268176	533985	17.53%	1.440%
32	11.526	1628	1633	1638	rBV2	165195	282559	9.27%	0.762%
33	11.644	1645	1653	1662	rBV	1619618	2897540	95.10%	7.816%
34	11.779	1672	1676	1679	rBV	114161	168135	5.52%	0.454%
35	11.826	1679	1684	1689	rVV4	164140	316091	10.37%	0.853%
36	11.885	1689	1694	1699	rVV2	402469	781892	25.66%	2.109%

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37	11.926	1699	1701	1707	rVB3	250316	384851	12.63%	1.038%
38	11.991	1707	1712	1714	rBV3	40512	65005	2.13%	0.175%
39	12.079	1719	1727	1732	rVB5	122545	278211	9.13%	0.751%
40	12.149	1732	1739	1746	rBV4	543979	1250324	41.04%	3.373%
41	12.267	1755	1759	1763	rVB	342482	529078	17.36%	1.427%
42	12.349	1763	1773	1776	rBV4	359284	942983	30.95%	2.544%
43	12.520	1795	1802	1805	rBV4	131131	289860	9.51%	0.782%
44	12.632	1813	1821	1828	rVB2	1464949	2905354	95.35%	7.837%
45	12.714	1828	1835	1840	rBV6	175657	411905	13.52%	1.111%
46	12.796	1845	1849	1855	rVB4	282810	565443	18.56%	1.525%
47	12.873	1855	1862	1865	rBV6	141966	311022	10.21%	0.839%
48	12.955	1869	1876	1882	rBV6	233733	561232	18.42%	1.514%
49	13.090	1895	1899	1903	rVB4	171070	264019	8.67%	0.712%
50	13.143	1903	1908	1910	rBV2	167507	244244	8.02%	0.659%
51	13.179	1910	1914	1917	rVV2	312554	561625	18.43%	1.515%
52	13.208	1917	1919	1928	rVB	308782	514924	16.90%	1.389%
53	13.314	1932	1937	1940	rBV3	158709	254306	8.35%	0.686%
54	13.396	1948	1951	1953	rBV3	99238	130134	4.27%	0.351%
55	13.426	1953	1956	1960	rVV4	95618	173982	5.71%	0.469%
56	13.496	1965	1968	1972	rVV5	136741	216728	7.11%	0.585%
57	13.573	1972	1981	1986	rVV	1694052	3004241	98.60%	8.104%
58	13.620	1986	1989	1999	rVB3	223153	500166	16.42%	1.349%
59	13.785	2014	2017	2022	rVB2	91416	126388	4.15%	0.341%
60	13.890	2030	2035	2041	rBV2	308586	551787	18.11%	1.488%
61	13.996	2049	2053	2057	rBV4	60668	100860	3.31%	0.272%
62	14.214	2086	2090	2094	rBV6	51779	81618	2.68%	0.220%
63	14.279	2096	2101	2107	rVB5	99039	169549	5.56%	0.457%
64	14.337	2108	2111	2113	rBV3	25263	35949	1.18%	0.097%
65	14.402	2118	2122	2126	rBV3	158665	290909	9.55%	0.785%
66	14.614	2154	2158	2167	rVB5	91754	188206	6.18%	0.508%
67	14.820	2189	2193	2196	rBV4	58250	95383	3.13%	0.257%
68	14.861	2196	2200	2207	rVB	138308	258610	8.49%	0.698%
69	15.155	2244	2250	2252	rBV4	55216	100538	3.30%	0.271%
70	15.361	2280	2285	2292	rBV2	126980	228760	7.51%	0.617%
71	15.432	2295	2297	2303	rVB7	35678	49559	1.63%	0.134%
72	16.055	2398	2403	2410	rVB6	25791	57193	1.88%	0.154%

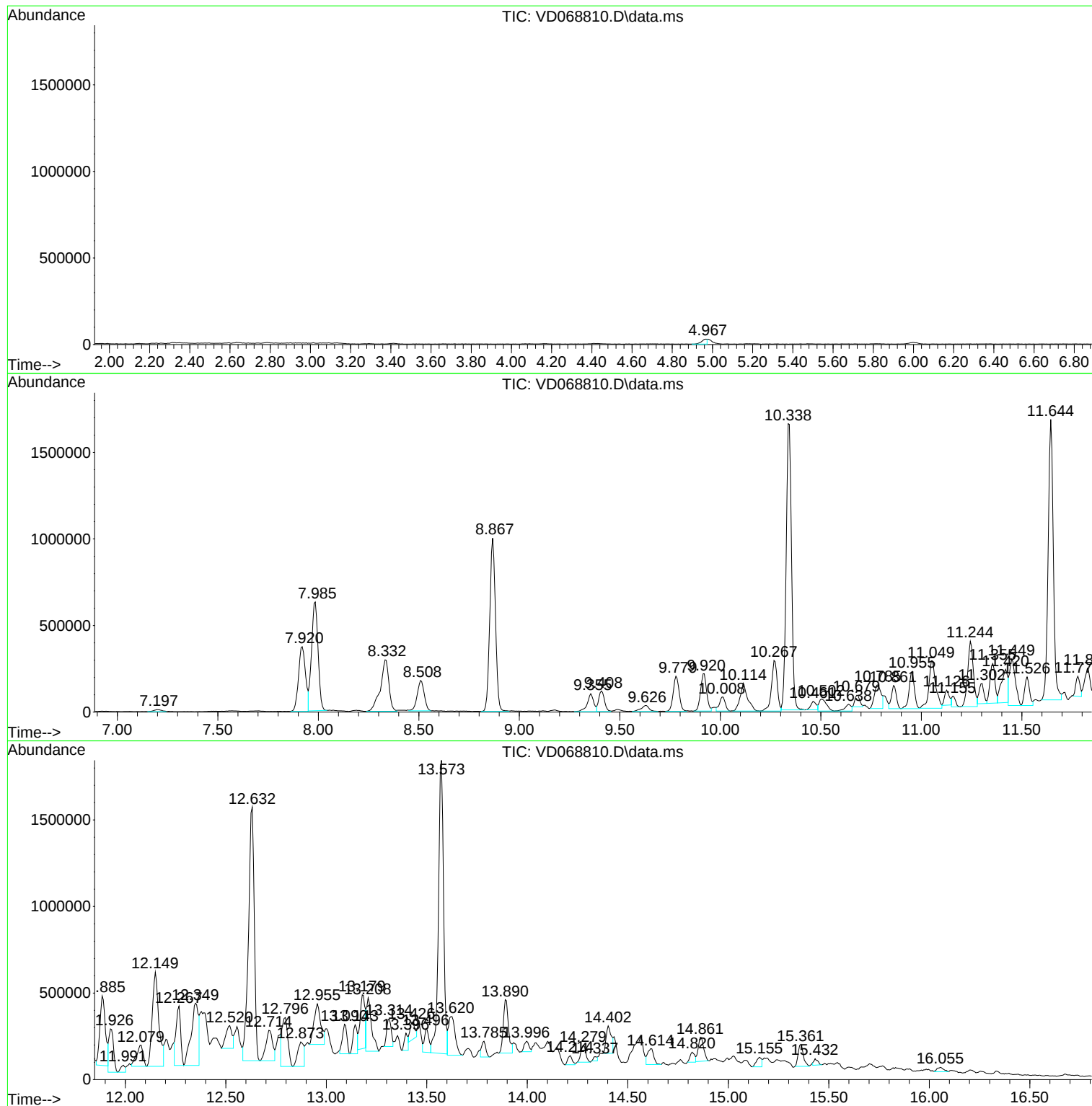
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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



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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-17

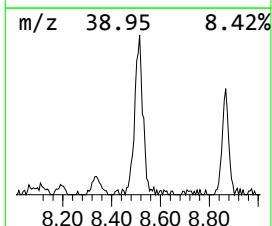
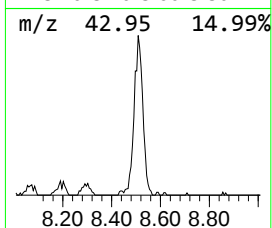
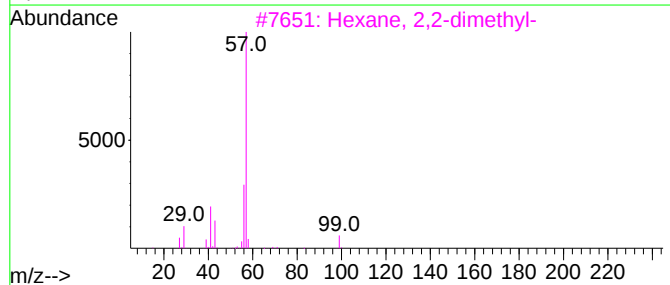
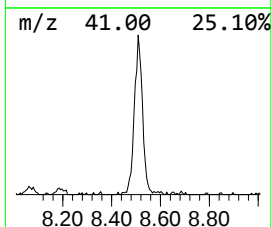
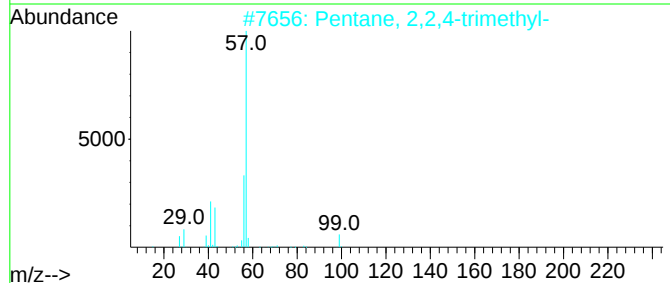
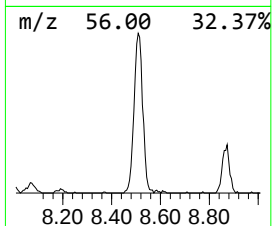
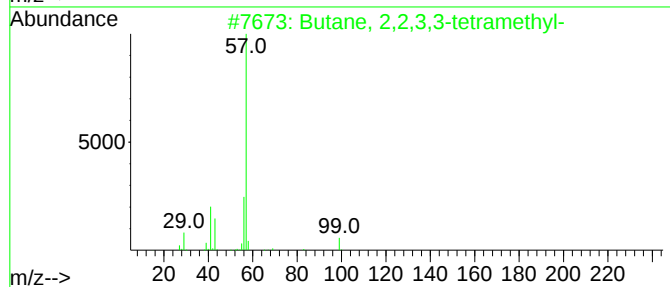
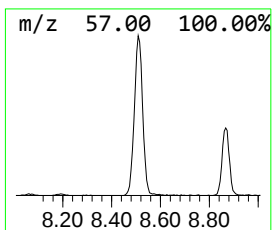
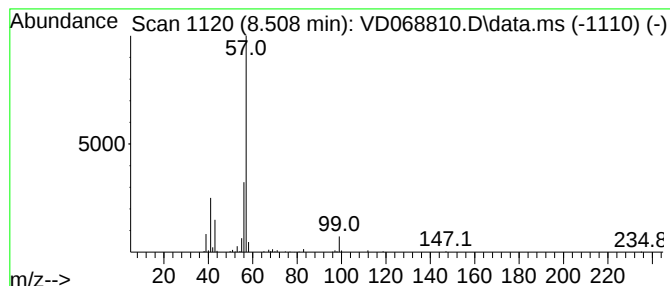
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.508	10.65 ug/l	422387	1,4-Difluorobenzene	8.867

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
5			Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50



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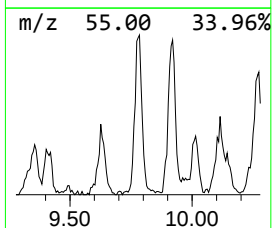
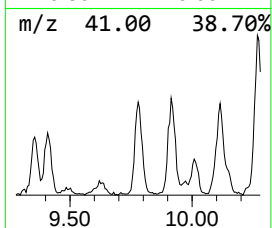
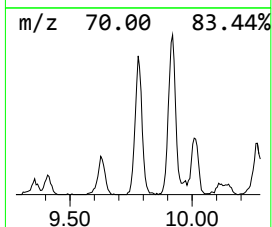
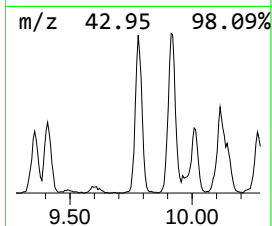
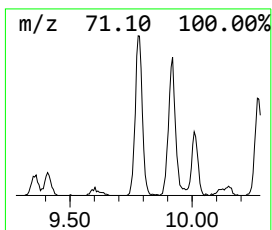
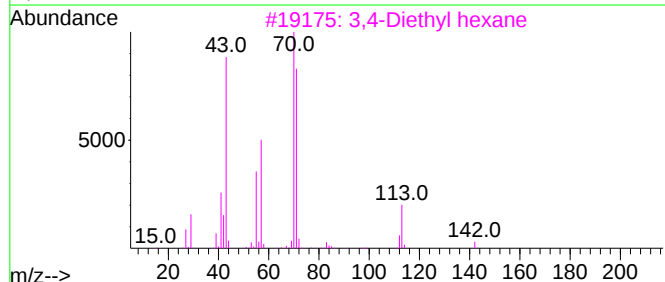
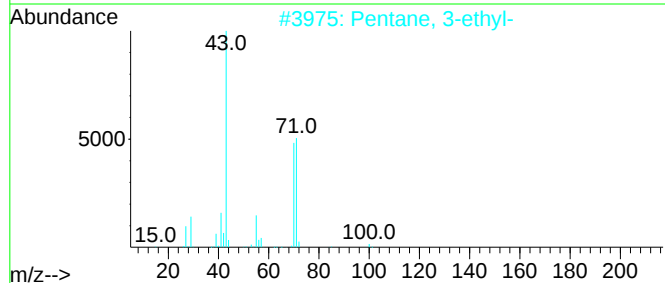
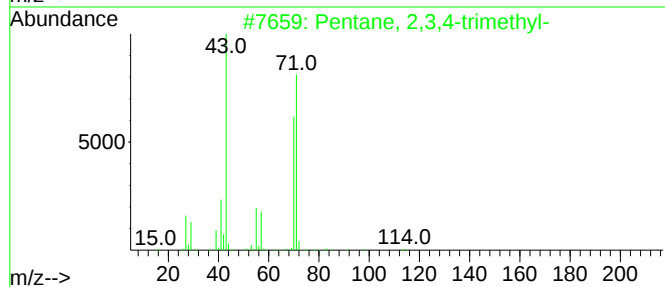
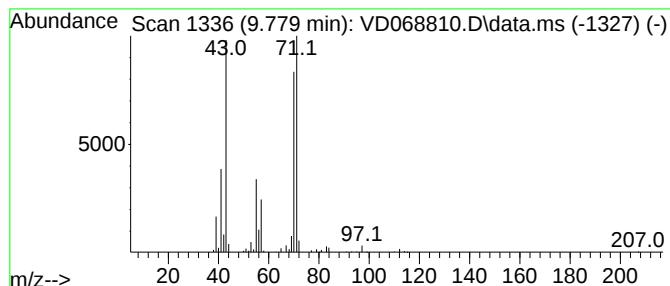
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.779	10.44 ug/l	414226	1,4-Difluorobenzene	8.867

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2			Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3			3,4-Diethyl hexane	142	C10H22	019398-77-7	64
4			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	50



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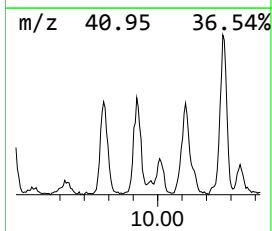
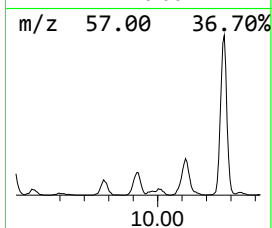
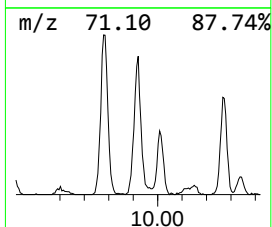
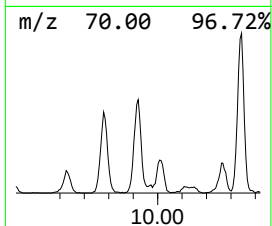
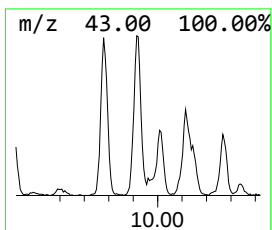
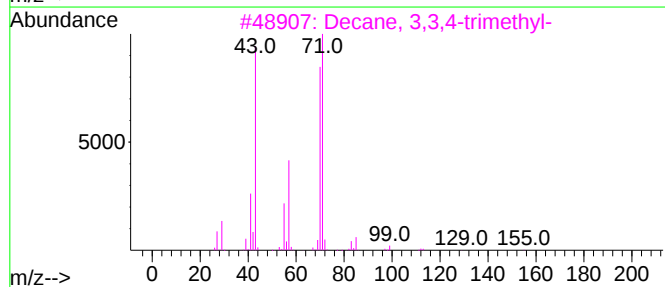
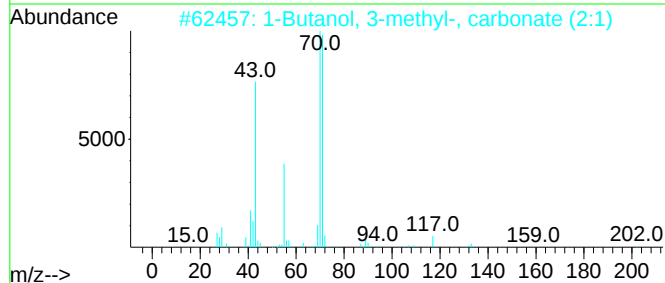
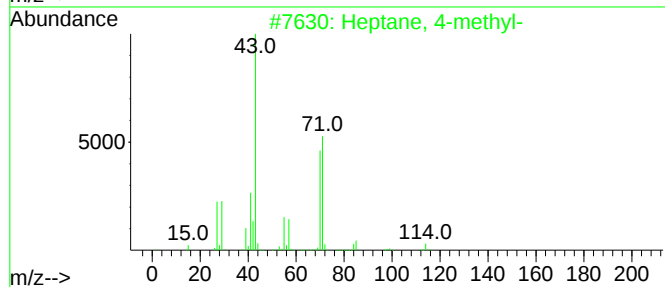
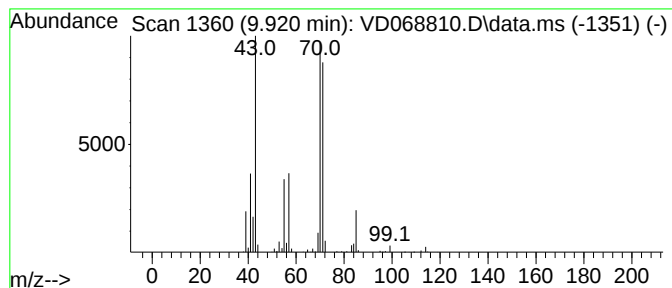
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Quant Title : SW846 8260

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

Peak Number 3 Heptane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.920	11.39 ug/l	451988	1,4-Difluorobenzene	8.867

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-methyl-	114	C8H18	000589-53-7	78
2			1-Butanol, 3-methyl-, carbonate ...	202	C11H22O3	002050-95-5	72
3			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	72
4			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	72
5			Butanoic acid, 3-methylbutyl ester	158	C9H18O2	000106-27-4	72



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Instrument :
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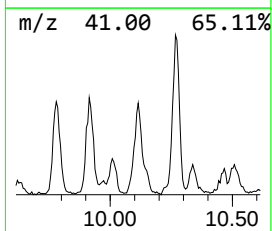
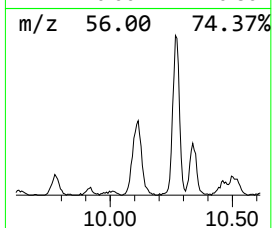
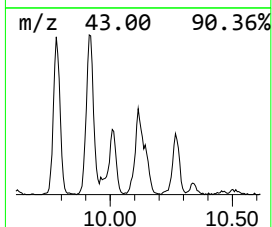
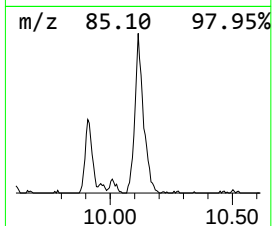
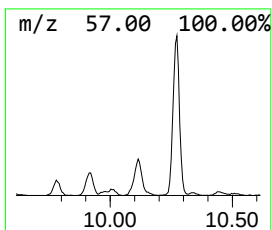
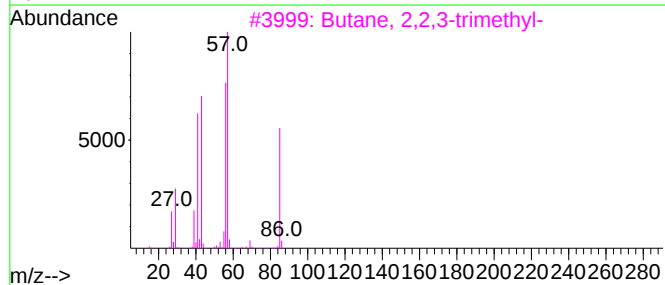
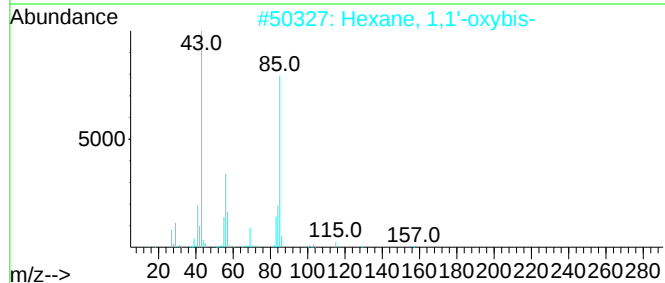
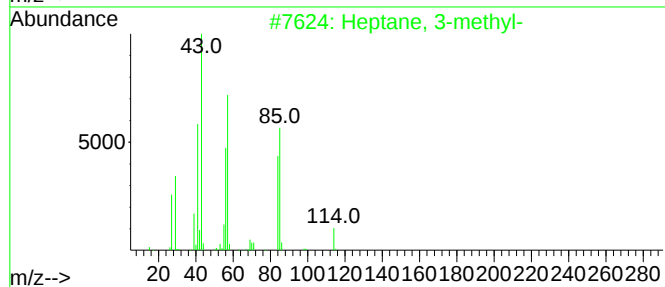
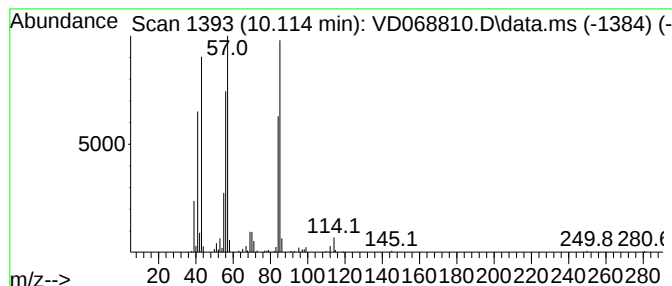
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.114	10.40 ug/l	412572	1,4-Difluorobenzene	8.867

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59
3			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
4			Isobutyl 2-methylpentyl carbonate	202	C11H22O3	1000372-75-2	53
5			2-Propanone, propylhydrazone	114	C6H14N2	007423-00-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
Data File : VD068810.D
Acq On : 09 Apr 2021 14:26
Operator : VA/SY
Sample : M1979-17
Misc : 4.59G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-17

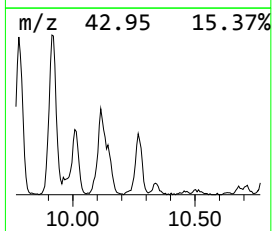
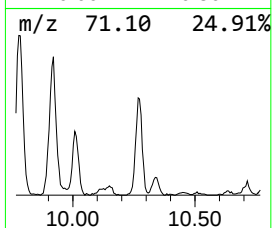
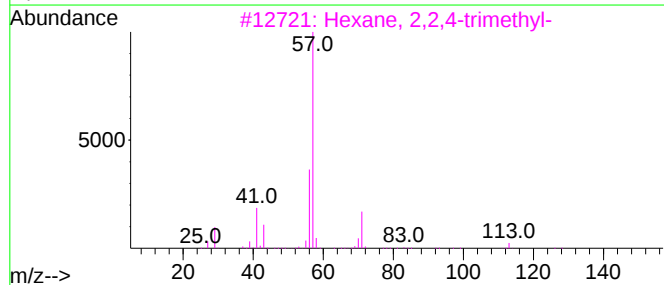
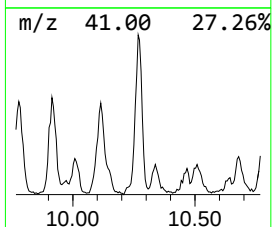
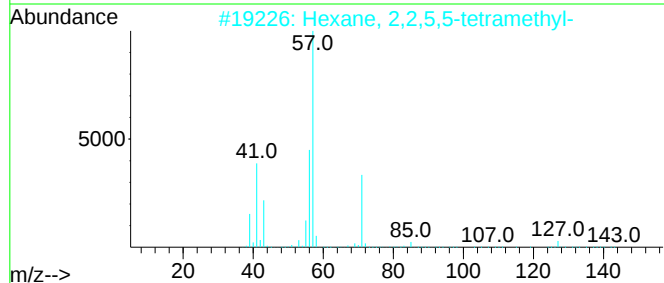
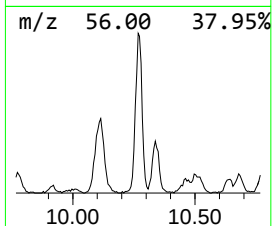
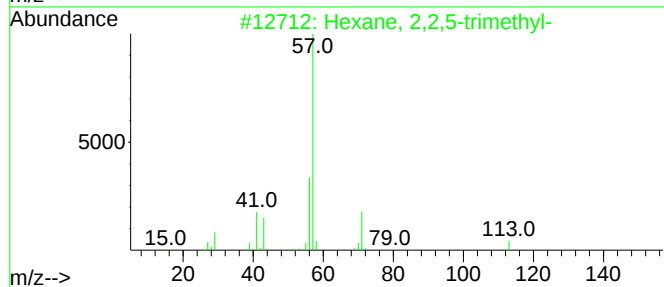
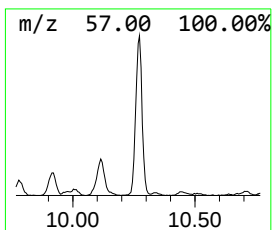
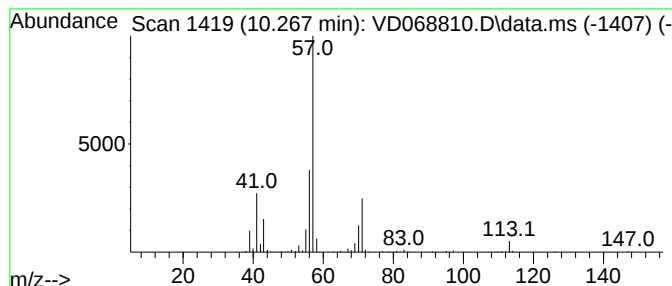
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Quant Title : SW846 8260

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

Peak Number 5 Hexane, 2,2,5-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.267	10.03 ug/l	581234	Chlorobenzene-d5	11.644

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
2			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
3			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50
4			Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	47
5			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
Data File : VD068810.D
Acq On : 09 Apr 2021 14:26
Operator : VA/SY
Sample : M1979-17
Misc : 4.59G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-17

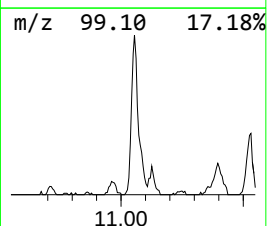
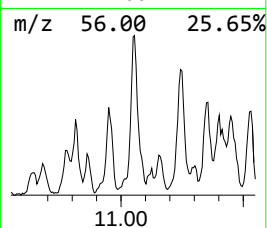
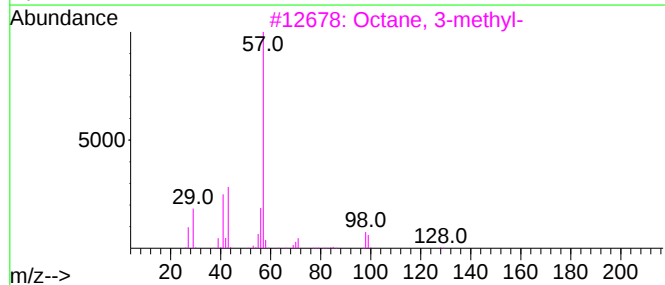
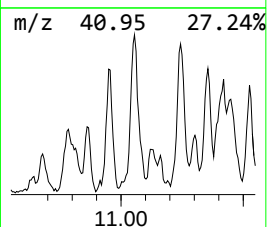
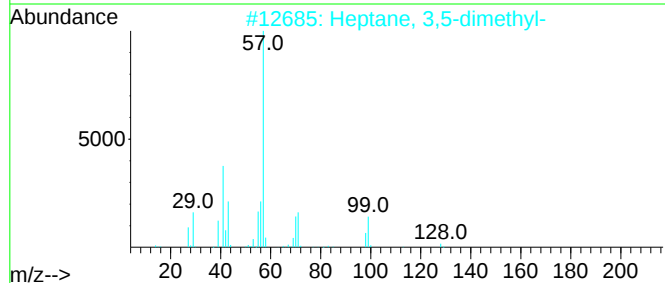
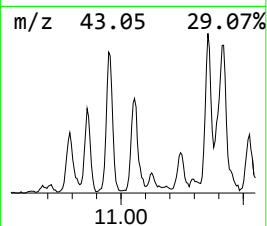
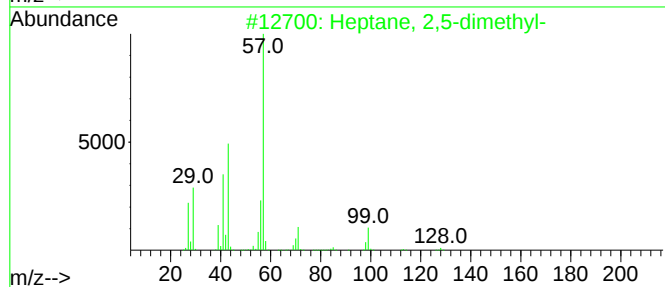
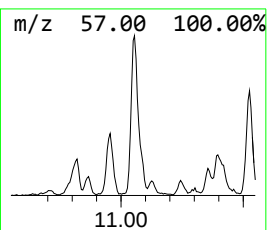
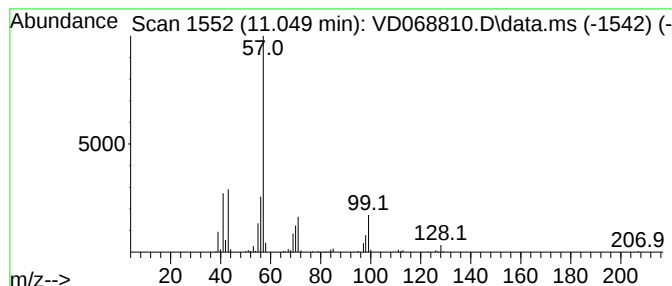
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Quant Title : SW846 8260

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

Peak Number 6 Heptane, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.049	11.22 ug/l	650373	Chlorobenzene-d5	11.644

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
2			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
3			Octane, 3-methyl-	128	C9H20	002216-33-3	50
4			Heptane, 3-ethyl-	128	C9H20	015869-80-4	47
5			Sulfurous acid, 2-propyl heptyl ...	222	C10H22O3S	1000309-11-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
Data File : VD068810.D
Acq On : 09 Apr 2021 14:26
Operator : VA/SY
Sample : M1979-17
Misc : 4.59G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
S-17

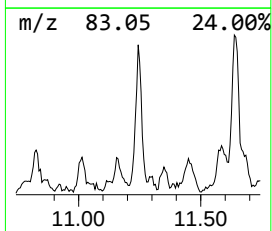
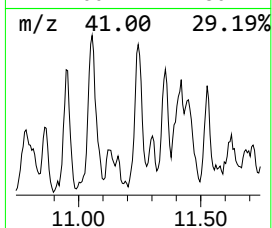
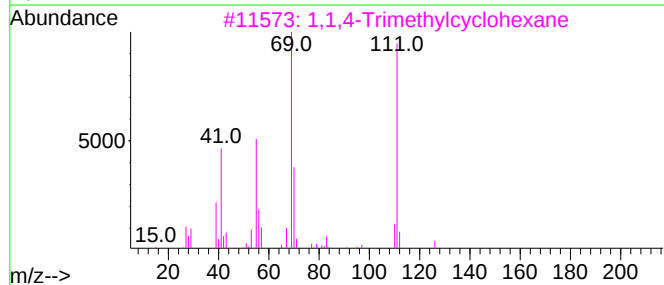
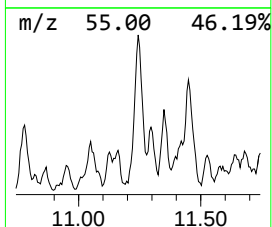
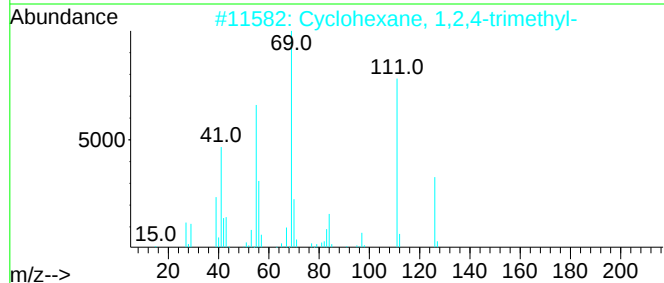
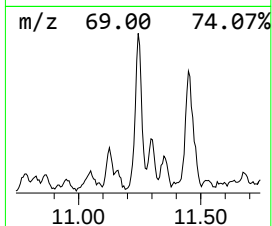
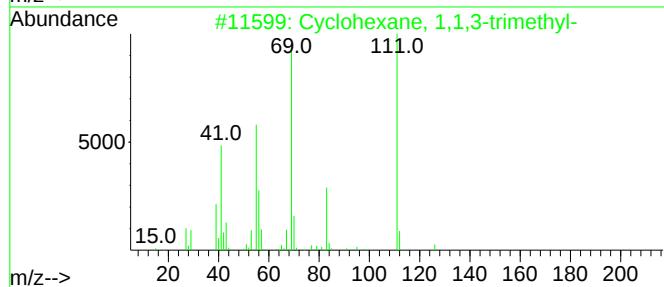
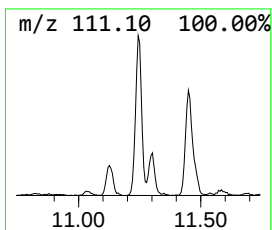
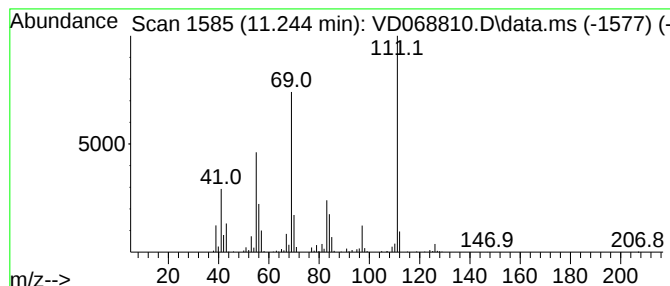
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Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.243	13.11 ug/l	759576	Chlorobenzene-d5	11.644

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72
3			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	68
4			2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	59
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
Data File : VD068810.D
Acq On : 09 Apr 2021 14:26
Operator : VA/SY
Sample : M1979-17
Misc : 4.59G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
S-17

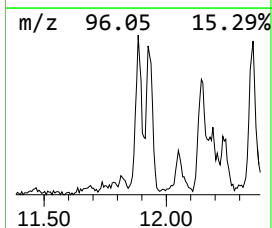
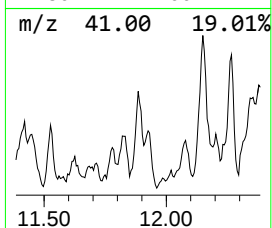
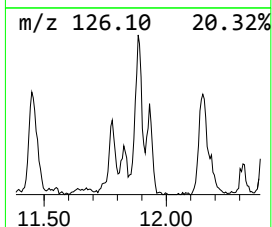
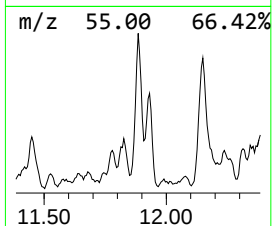
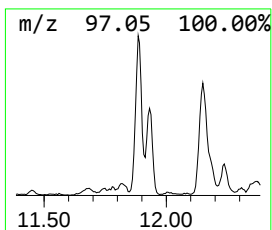
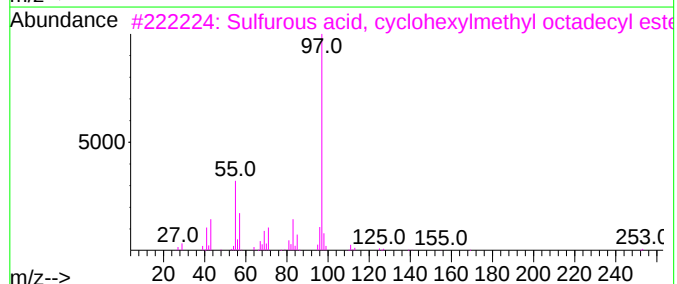
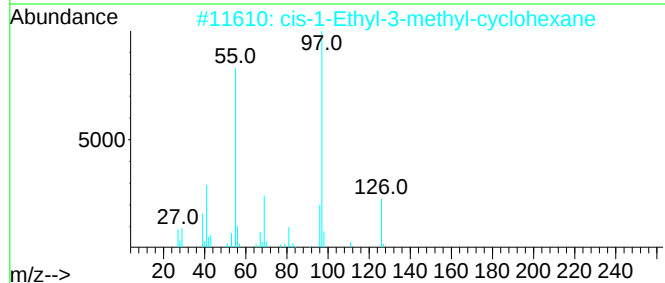
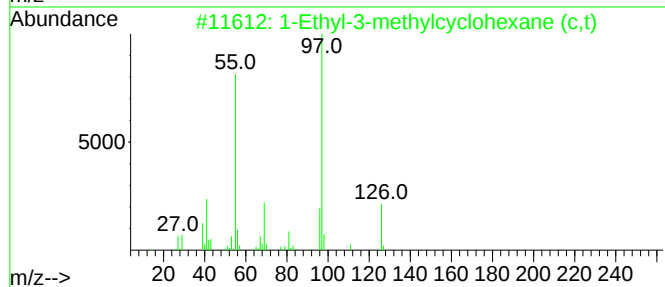
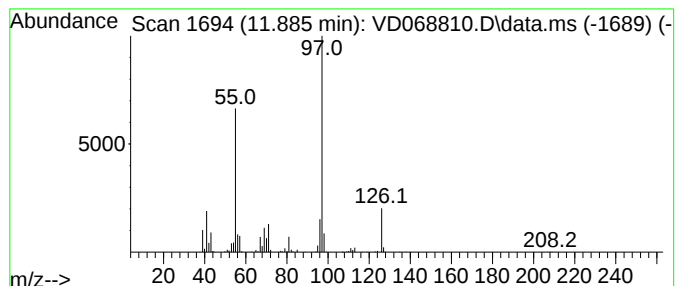
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Quant Title : SW846 8260

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

Peak Number 8 1-Ethyl-3-methylcyclohexane... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.885	13.49 ug/l	781892	Chlorobenzene-d5	11.644

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	74
2			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	74
3			Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	72
4			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
Data File : VD068810.D
Acq On : 09 Apr 2021 14:26
Operator : VA/SY
Sample : M1979-17
Misc : 4.59G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

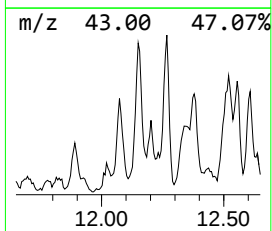
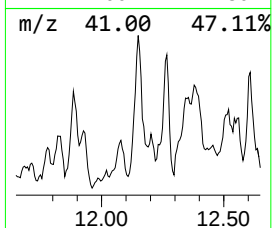
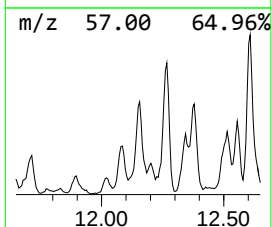
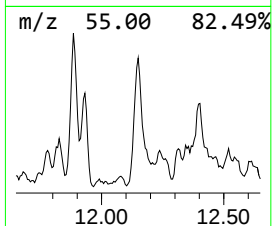
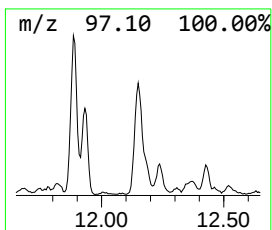
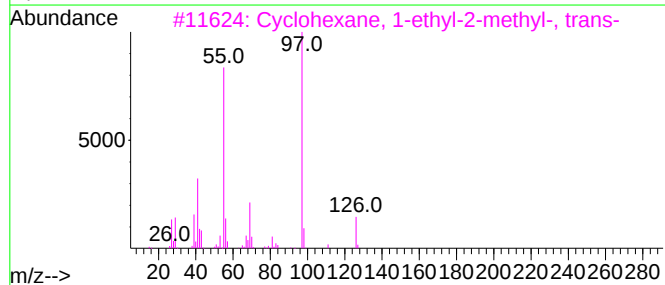
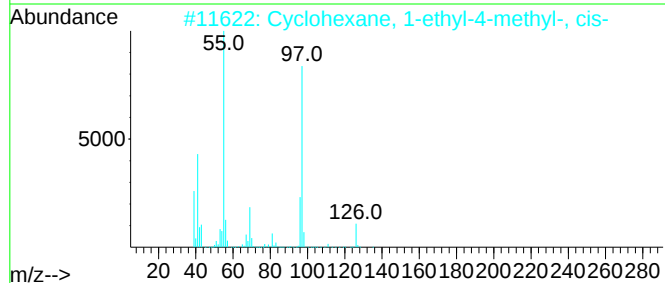
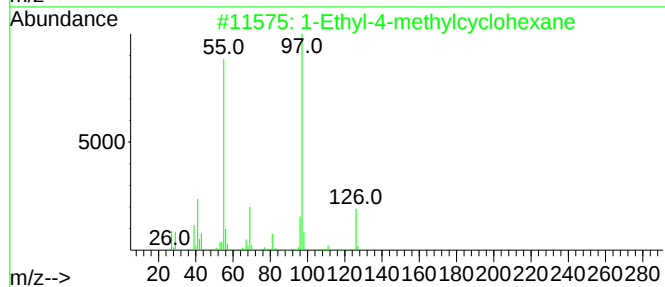
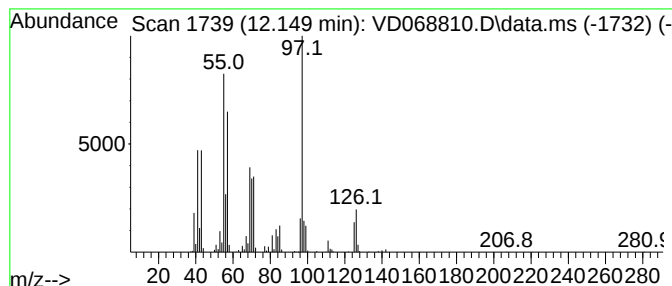
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MSVOA_D
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260

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

Peak Number 9 1-Ethyl-4-methylcyclohexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.149	21.58 ug/l	1250320	Chlorobenzene-d5	11.644	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	49
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
5	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
Data File : VD068810.D
Acq On : 09 Apr 2021 14:26
Operator : VA/SY
Sample : M1979-17
Misc : 4.59G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
S-17

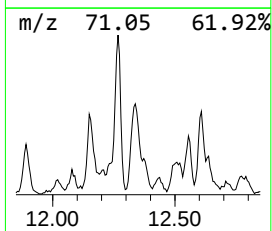
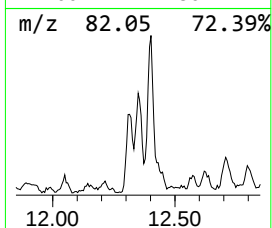
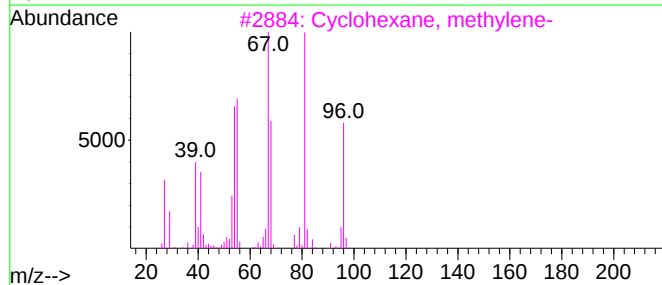
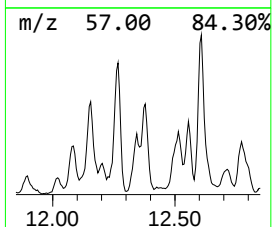
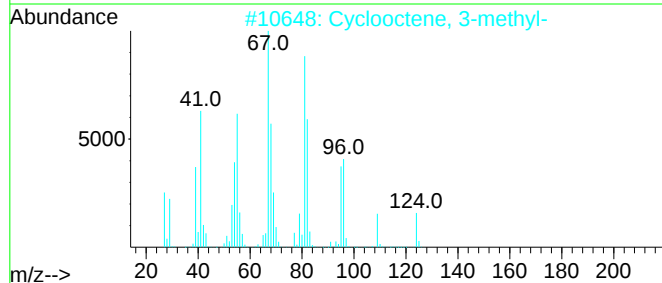
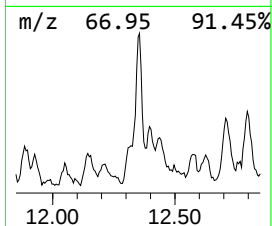
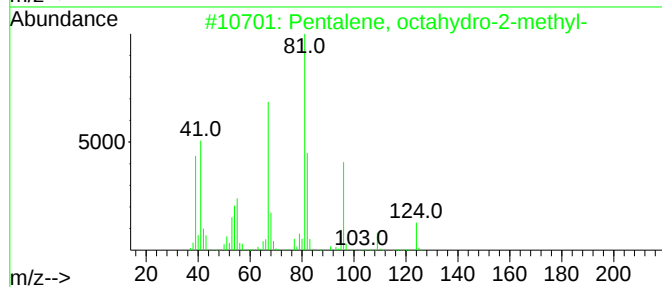
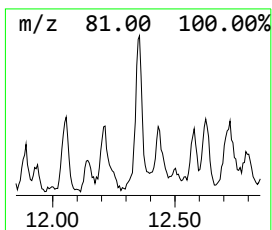
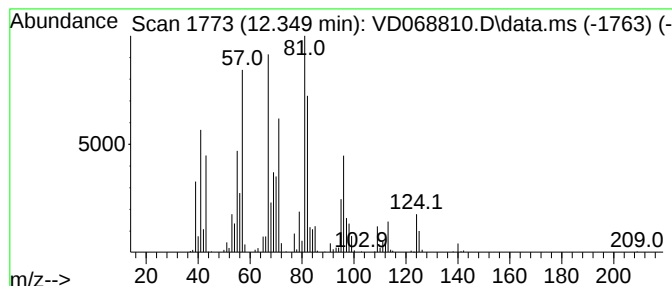
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Quant Title : SW846 8260

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

Peak Number 10 Pentalene, octahydro-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.349	16.27 ug/l	942983	Chlorobenzene-d5	11.644

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	81
2			Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	58
3			Cyclohexane, methylene-	96	C7H12	001192-37-6	49
4			1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	49
5			Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
Data File : VD068810.D
Acq On : 09 Apr 2021 14:26
Operator : VA/SY
Sample : M1979-17
Misc : 4.59G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
S-17

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.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
Butane, 2,2,3,3...	8.508	10.7	ug/l	422387	2	8.867	1983820	50.0
Pentane, 2,3,4-...	9.779	10.4	ug/l	414226	2	8.867	1983820	50.0
Heptane, 4-methyl-	9.920	11.4	ug/l	451988	2	8.867	1983820	50.0
Heptane, 3-methyl-	10.114	10.4	ug/l	412572	2	8.867	1983820	50.0
Hexane, 2,2,5-t...	10.267	10.0	ug/l	581234	3	11.644	2897540	50.0
Heptane, 2,5-di...	11.049	11.2	ug/l	650373	3	11.644	2897540	50.0
Cyclohexane, 1,...	11.243	13.1	ug/l	759576	3	11.644	2897540	50.0
1-Ethyl-3-methy...	11.885	13.5	ug/l	781892	3	11.644	2897540	50.0
1-Ethyl-4-methy...	12.149	21.6	ug/l	1250320	3	11.644	2897540	50.0
Pentalene, octa...	12.349	16.3	ug/l	942983	3	11.644	2897540	50.0