

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071473.D
 Acq On : 25 Dec 2021 22:20
 Operator : VA/SY
 Sample : M5181-01
 Misc : 6.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-4-(7.5-8)-12-8-21

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\82D122221S.M
 Title : SW846 8260

Signal : TIC: VD071473.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.626	1297	1310	1320	rBV2	1509628	3876023	2.27%	0.187%
2	9.767	1325	1334	1346	rVB2	1252973	2627162	1.54%	0.127%
3	10.090	1380	1389	1395	rBV	1785573	3569565	2.09%	0.173%
4	10.332	1424	1430	1442	rVB2	1882739	3936249	2.31%	0.190%
5	10.508	1452	1460	1469	rVB3	1379678	3620752	2.12%	0.175%
6	10.632	1469	1481	1485	rBV	2025311	4537381	2.66%	0.219%
7	10.673	1485	1488	1498	rVB	2280056	4054727	2.38%	0.196%
8	10.779	1498	1506	1510	rBV3	1936833	4577535	2.68%	0.221%
9	10.861	1516	1520	1524	rVB	1299418	2022181	1.18%	0.098%
10	10.949	1524	1535	1542	rVB	13040085	23033015	13.49%	1.114%
11	11.049	1542	1552	1560	rBV	7146409	16443705	9.63%	0.795%
12	11.126	1560	1565	1568	rBV	2351644	3984047	2.33%	0.193%
13	11.237	1576	1584	1590	rBV2	11100331	23136517	13.55%	1.119%
14	11.296	1590	1594	1597	rVV	5940945	10113290	5.92%	0.489%
15	11.337	1597	1601	1607	rVV2	4924539	9948205	5.83%	0.481%
16	11.390	1607	1610	1615	rVB	2752319	4078625	2.39%	0.197%
17	11.443	1615	1619	1628	rVB	4860395	9958648	5.83%	0.481%
18	11.567	1628	1640	1644	rBV5	2459701	6853954	4.02%	0.331%
19	11.626	1646	1650	1654	rVB3	1153053	1856954	1.09%	0.090%
20	11.673	1654	1658	1662	rBV	1686848	2519705	1.48%	0.122%
21	11.773	1670	1675	1679	rBV	4415612	6557917	3.84%	0.317%
22	11.831	1679	1685	1690	rBV2	8390425	16430762	9.63%	0.794%
23	11.908	1690	1698	1706	rVB8	8182840	27648690	16.20%	1.337%
24	11.984	1706	1711	1715	rBV2	6861413	14429934	8.45%	0.698%
25	12.043	1718	1721	1724	rVB	1965749	2120791	1.24%	0.103%
26	12.084	1724	1728	1731	rVB2	4959404	6777465	3.97%	0.328%
27	12.149	1731	1739	1745	rBV2	32473775	76426570	44.77%	3.695%
28	12.202	1745	1748	1751	rBV	7050930	9368786	5.49%	0.453%
29	12.267	1751	1759	1764	rVB3	47452995	83556124	48.95%	4.040%
30	12.314	1764	1767	1768	rBV	6679943	7577675	4.44%	0.366%
31	12.349	1768	1773	1775	rBV2	40973618	65396023	38.31%	3.162%
32	12.467	1783	1793	1798	rBV6	16573218	54605272	31.99%	2.640%
33	12.520	1799	1802	1809	rVB6	11511859	23563842	13.80%	1.139%
34	12.631	1815	1821	1826	rVB3	13655082	25521166	14.95%	1.234%
35	12.714	1826	1835	1840	rBV4	26892224	78352856	45.90%	3.788%
36	12.790	1844	1848	1855	rVB2	38501737	77154648	45.20%	3.730%

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37	12.873	1855	1862	1868	rBV5	39969037	106947167	62.65%	5.170%
38	12.943	1869	1874	1881	rBV5	36730954	102114165	59.82%	4.937%
39	13.090	1895	1899	1903	rBV3	28904376	42159944	24.70%	2.038%
40	13.137	1903	1907	1910	rBV2	15222400	24669224	14.45%	1.193%
41	13.184	1910	1915	1921	rVV2	34568090	67833472	39.74%	3.279%
42	13.308	1928	1936	1940	rBV2	42583660	89026396	52.15%	4.304%
43	13.361	1941	1945	1948	rVB2	21700450	33164255	19.43%	1.603%
44	13.443	1954	1959	1965	rBV5	31979983	81881338	47.97%	3.959%
45	13.496	1965	1968	1973	rVB4	28124096	41664883	24.41%	2.014%
46	13.708	1999	2004	2009	rBV5	27216548	48690552	28.52%	2.354%
47	13.890	2029	2035	2041	rBV2	82049676	156613677	91.75%	7.572%
48	13.996	2049	2053	2058	rBV4	17171900	31687186	18.56%	1.532%
49	14.208	2085	2089	2094	rBV4	14177835	25257209	14.80%	1.221%
50	14.278	2097	2101	2107	rVV4	27839437	56509335	33.10%	2.732%
51	14.337	2108	2111	2115	rVV4	15842355	24049835	14.09%	1.163%
52	14.396	2116	2121	2136	rVB3	74550558	170699127	100.00%	8.253%
53	14.508	2137	2140	2143	rVV3	8203258	12936773	7.58%	0.625%
54	14.567	2144	2150	2155	rVV5	53693598	99719907	58.42%	4.821%
55	14.614	2155	2158	2166	rVB6	13985042	28961622	16.97%	1.400%
56	14.755	2179	2182	2187	rVV6	6887700	9686537	5.67%	0.468%
57	14.820	2189	2193	2197	rVV4	9731742	21190536	12.41%	1.024%
58	14.872	2197	2202	2209	rVB5	17489879	34120957	19.99%	1.650%
59	14.990	2219	2222	2224	rBV	4786547	6056203	3.55%	0.293%
60	15.143	2245	2248	2252	rBV3	3194188	4598993	2.69%	0.222%
61	15.349	2280	2283	2290	rVB3	4147863	7328533	4.29%	0.354%
62	15.431	2290	2297	2306	rBV8	4599957	13969728	8.18%	0.675%
63	15.602	2322	2326	2331	rVB4	1005740	1896985	1.11%	0.092%
64	15.767	2349	2354	2361	rVB6	2236824	4760641	2.79%	0.230%

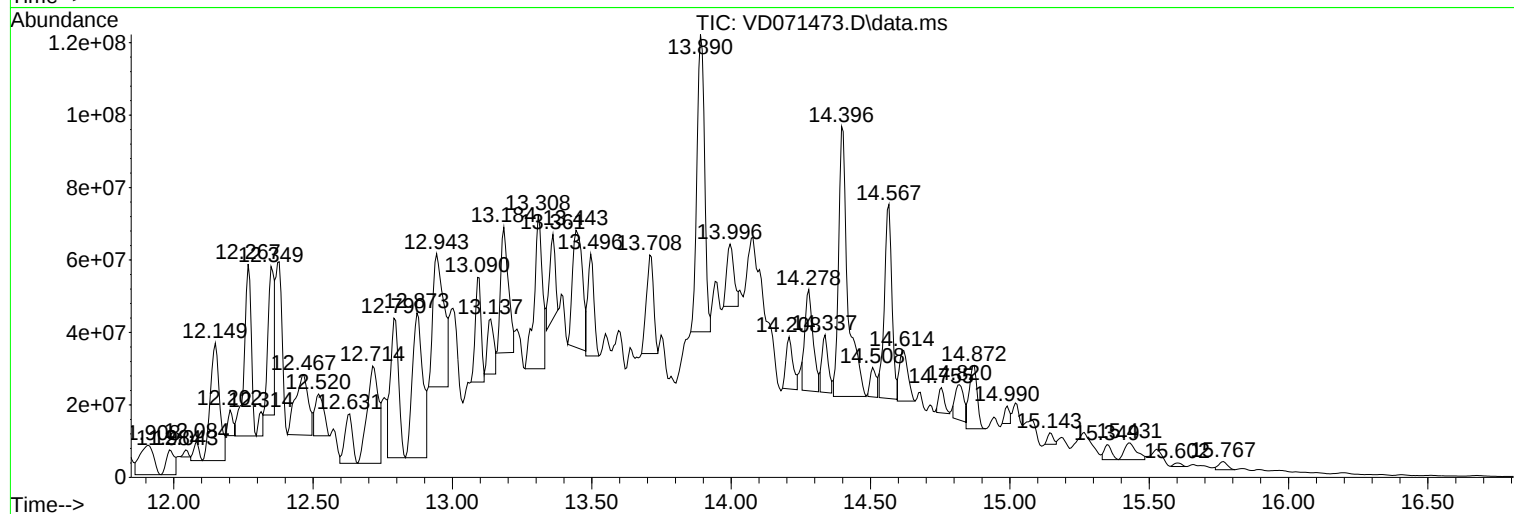
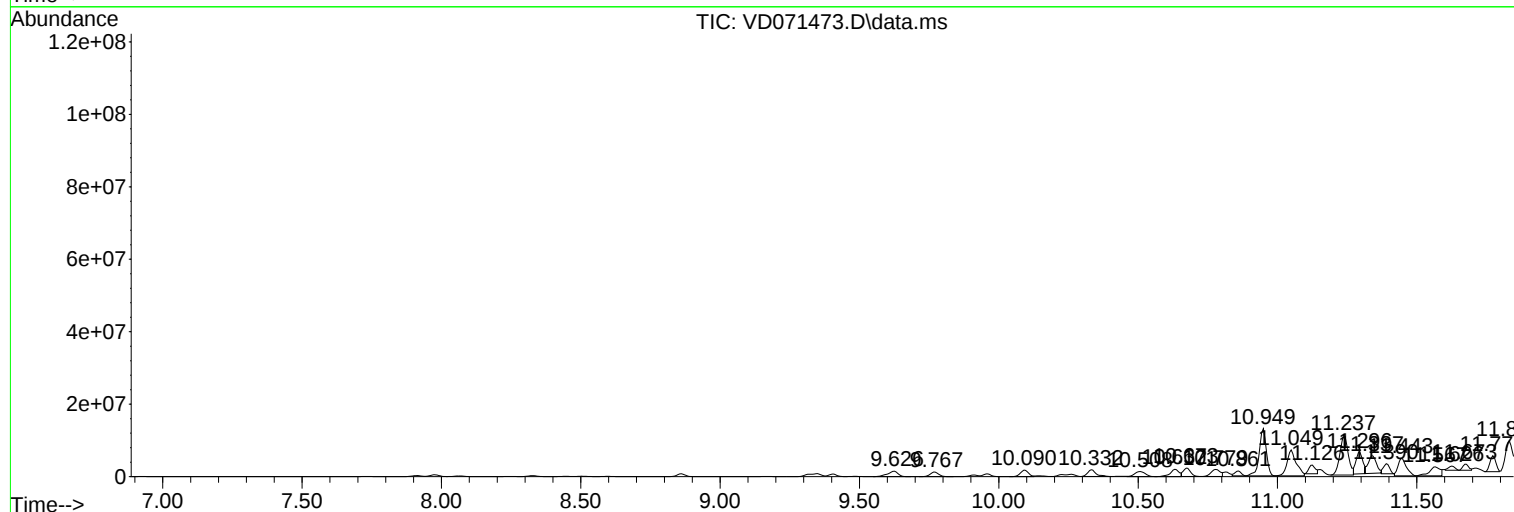
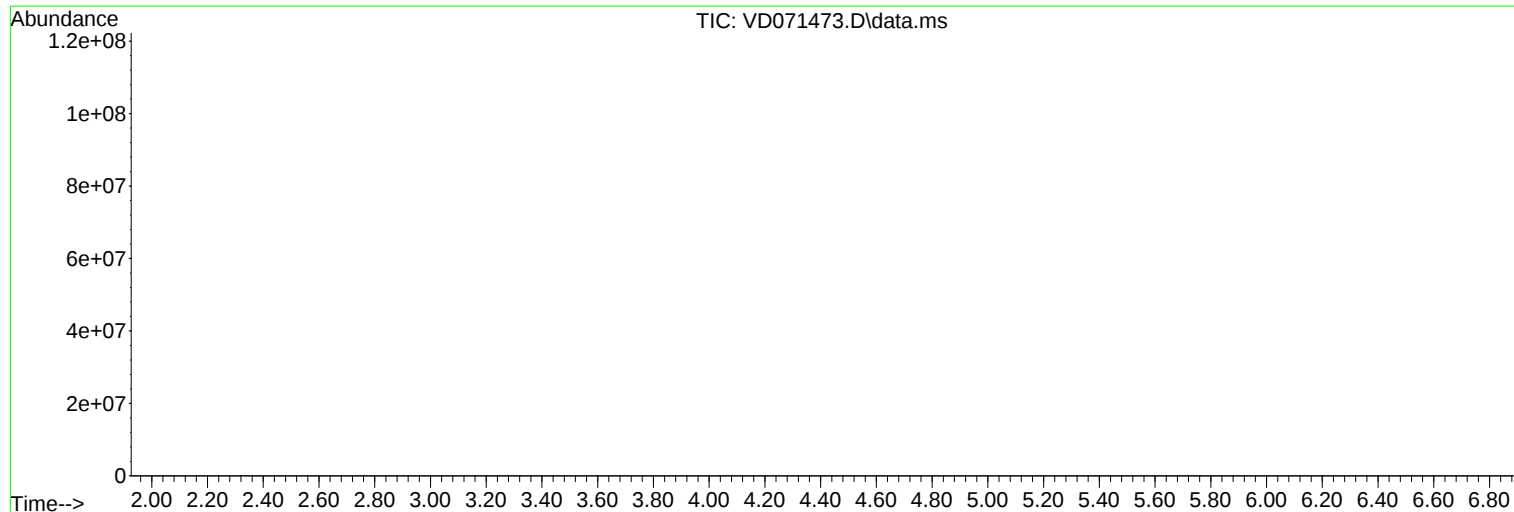
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ClientSampleId :
DB-4-(7.5-8)-12-8-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260

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



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Misc : 6.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(7.5-8)-12-8-21

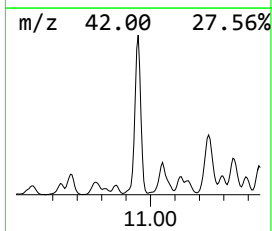
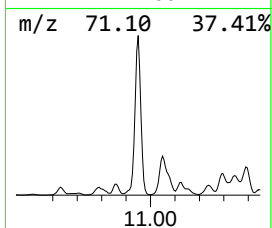
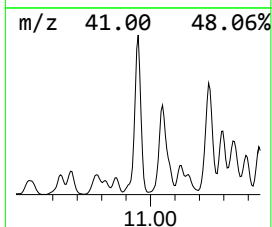
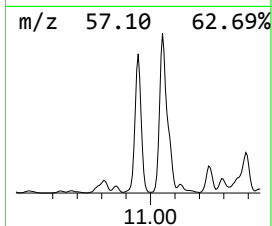
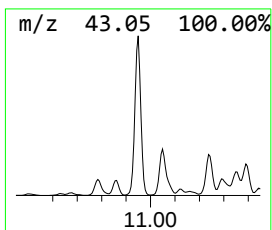
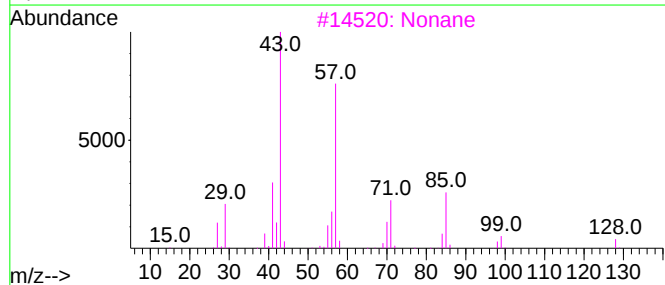
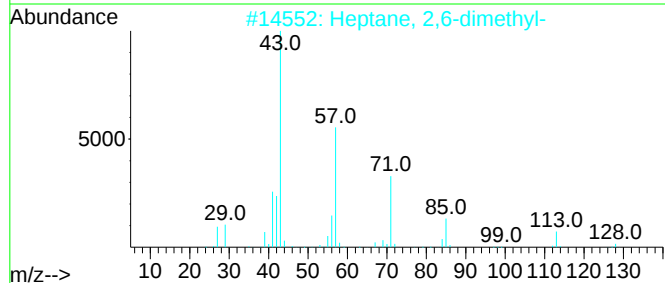
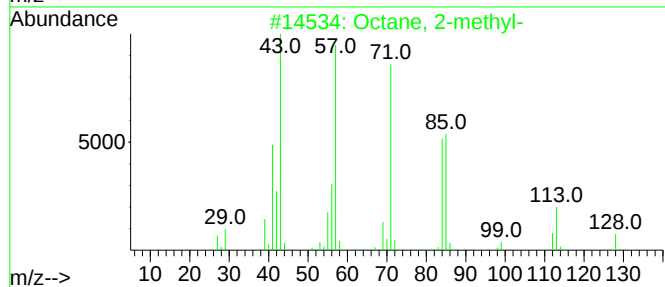
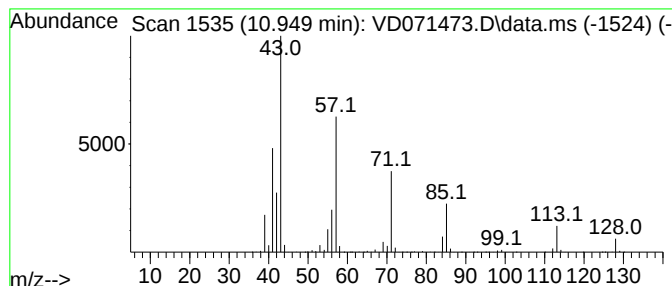
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D12221S.M
Quant Title : SW846 8260

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

Peak Number 1 Octane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.949	620.18 ug/l	23033000	Chlorobenzene-d5	11.637

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2-methyl-	128	C9H20	003221-61-2	83
2			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	78
3			Nonane	128	C9H20	000111-84-2	64
4			Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	53
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50



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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(7.5-8)-12-8-21

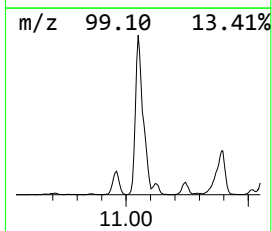
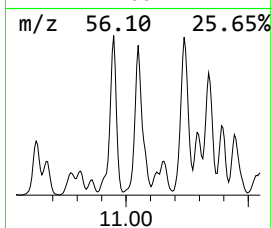
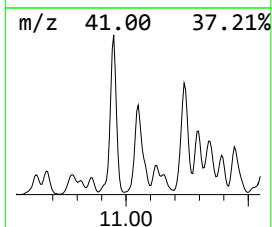
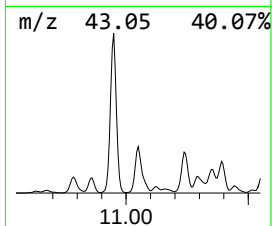
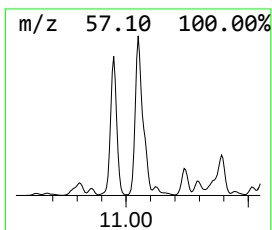
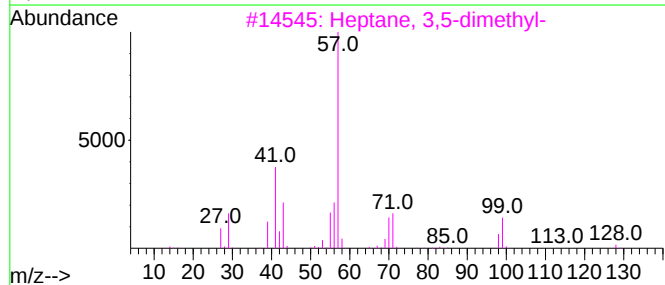
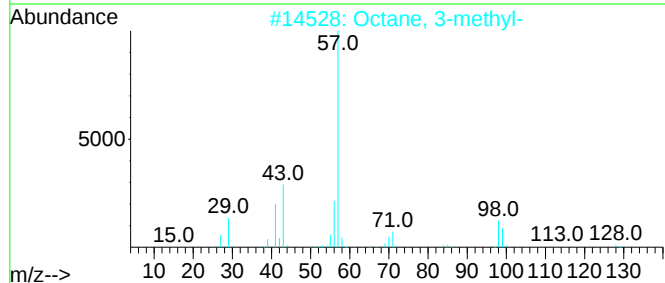
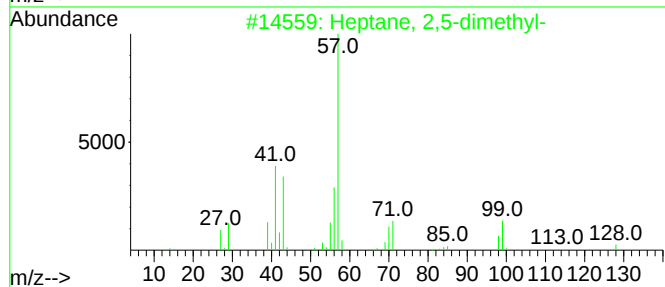
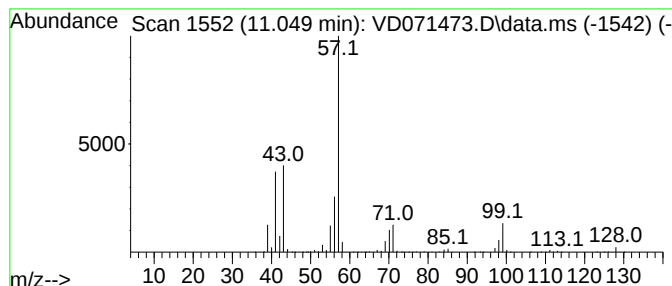
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D12221S.M
Quant Title : SW846 8260

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

Peak Number 2 Heptane, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.049	442.76 ug/l	16443700	Chlorobenzene-d5	11.637

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	93
2			Octane, 3-methyl-	128	C9H20	002216-33-3	83
3			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
4			2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	53
5			Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	53



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ALS Vial : 1 Sample Multiplier: 1

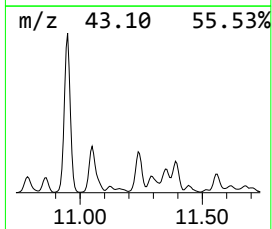
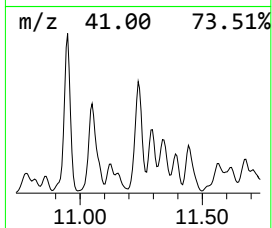
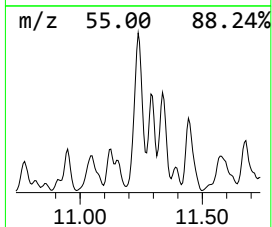
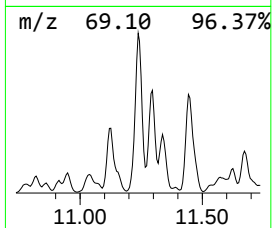
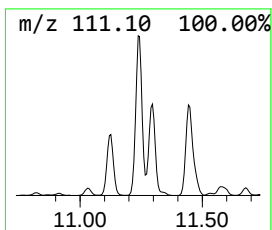
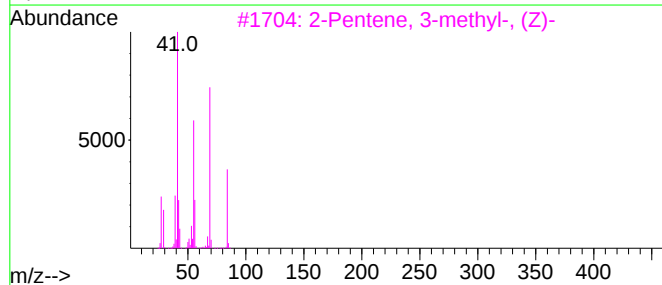
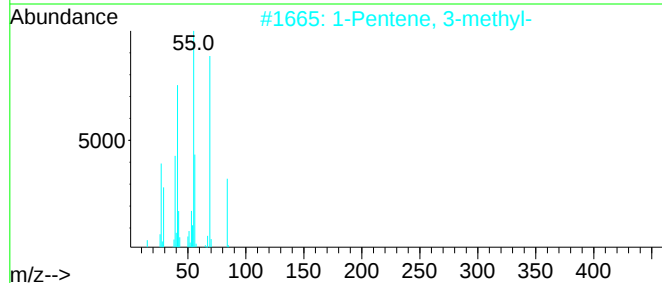
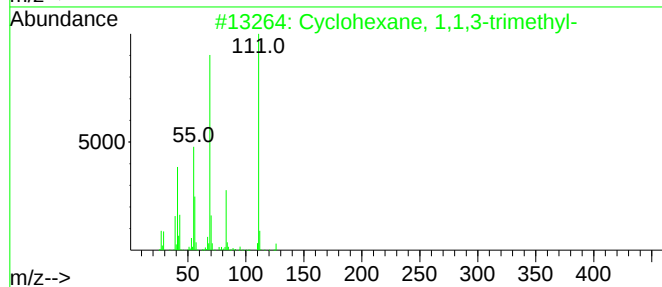
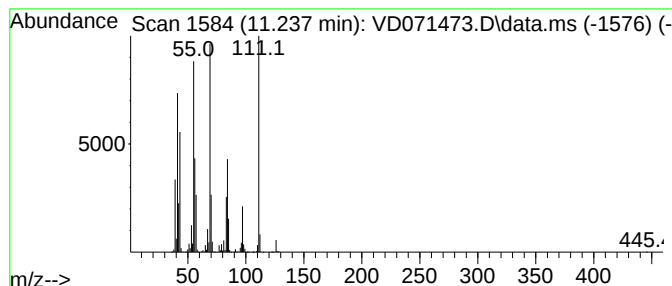
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Quant Title : SW846 8260

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

Peak Number 3 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.237	622.97 ug/l	23136500	Chlorobenzene-d5		11.637	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	70
2	1-Pentene, 3-methyl-		84	C6H12	000760-20-3	49
3	2-Pentene, 3-methyl-, (Z)-		84	C6H12	000922-62-3	43
4	1,1,4-Trimethylcyclohexane		126	C9H18	007094-27-1	43
5	Pentane, 3-methylene-		84	C6H12	000760-21-4	43



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MSVOA_D
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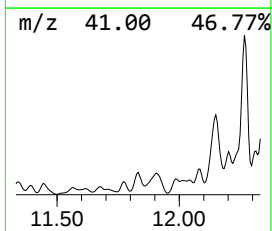
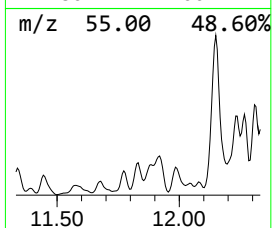
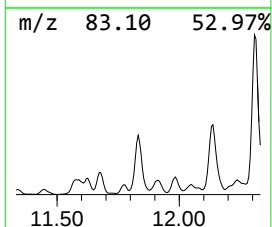
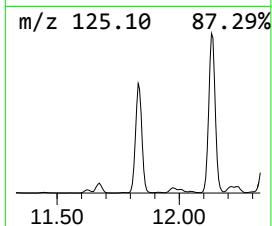
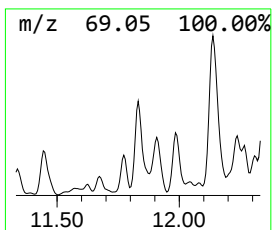
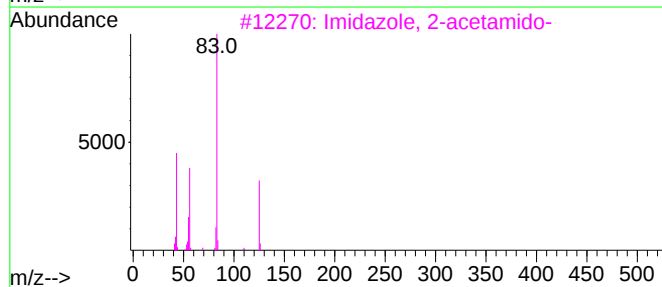
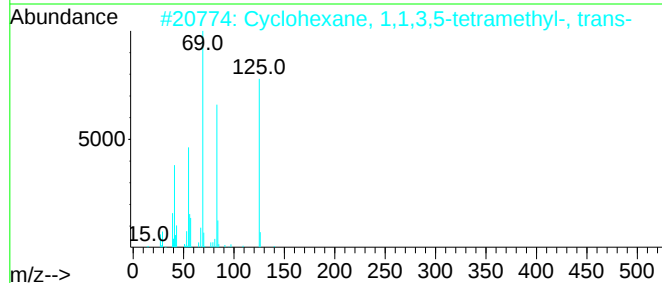
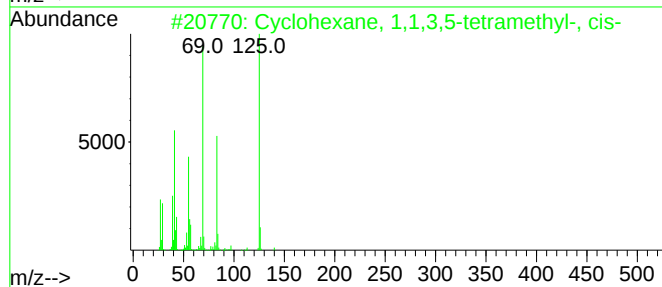
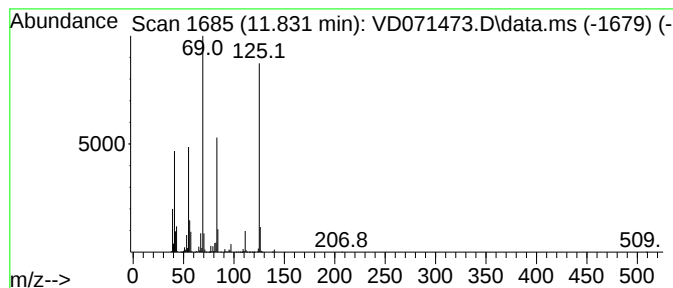
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Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, 1,1,3,5-tetram... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.832	442.41 ug/l	16430800	Chlorobenzene-d5	11.637

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	94
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	76
3			Imidazole, 2-acetamido-	125	C5H7N3O	052737-49-2	43
4			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	38
5			Pyrimidine, 2,4,5-triamino-	125	C4H7N5	003546-50-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
Data File : VD071473.D
Acq On : 25 Dec 2021 22:20
Operator : VA/SY
Sample : M5181-01
Misc : 6.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(7.5-8)-12-8-21

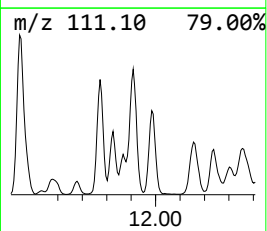
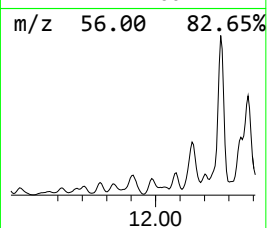
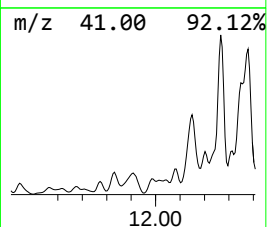
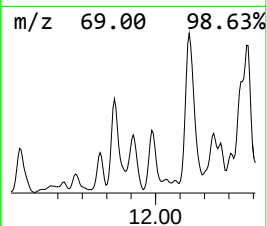
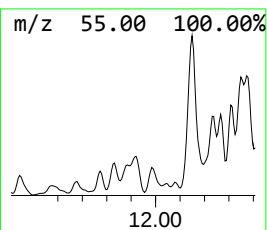
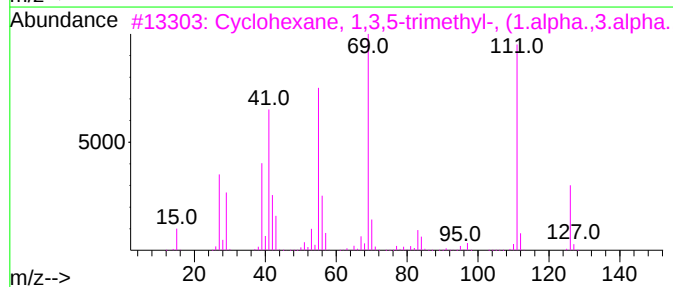
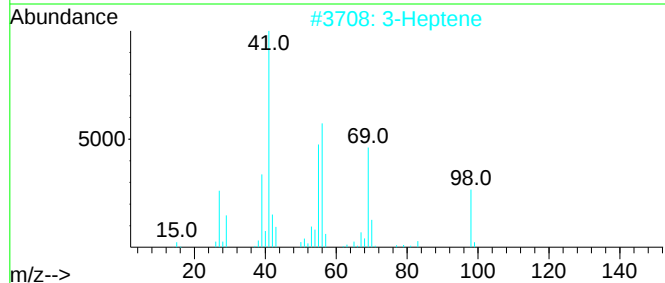
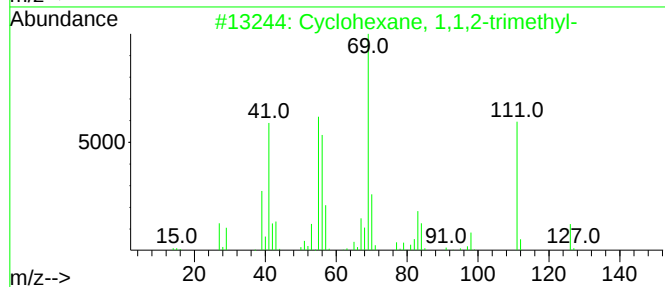
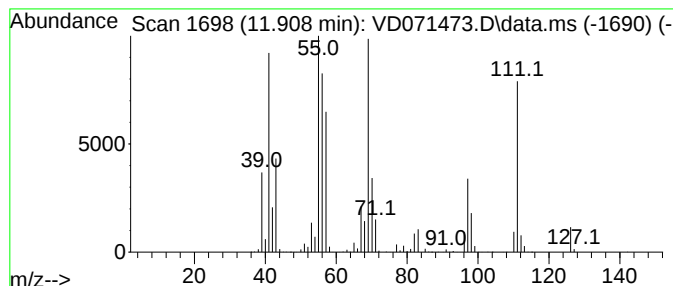
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Quant Title : SW846 8260

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

Peak Number 5 Cyclohexane, 1,1,2-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.908	744.46 ug/l	27648700	Chlorobenzene-d5	11.637

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	68
2			3-Heptene	98	C7H14	000592-78-9	46
3			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	46
4			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	43
5			2-Pyrrolidinone, 1-ethenyl-	111	C6H9NO	000088-12-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
Data File : VD071473.D
Acq On : 25 Dec 2021 22:20
Operator : VA/SY
Sample : M5181-01
Misc : 6.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(7.5-8)-12-8-21

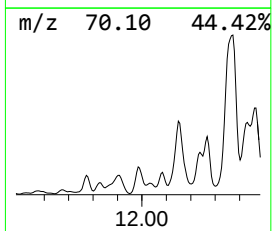
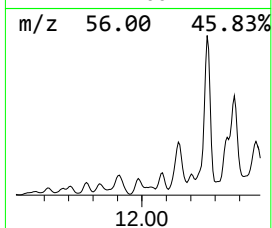
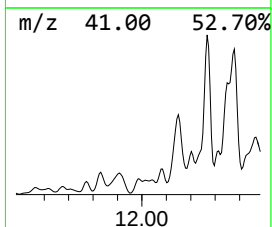
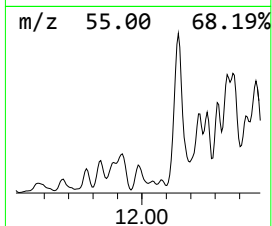
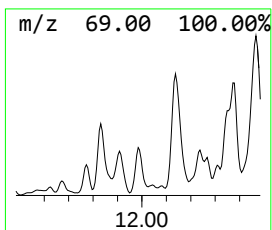
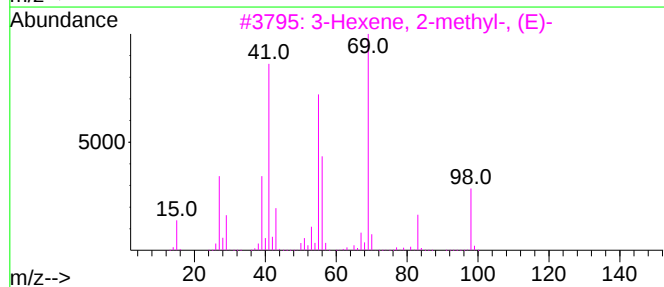
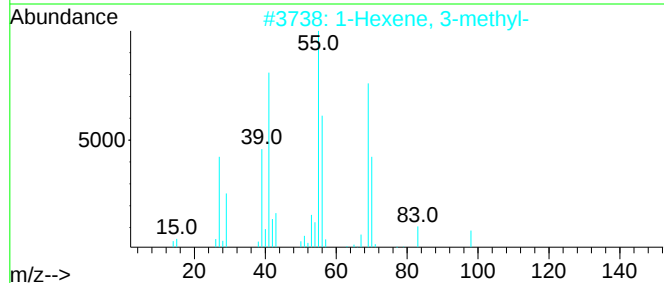
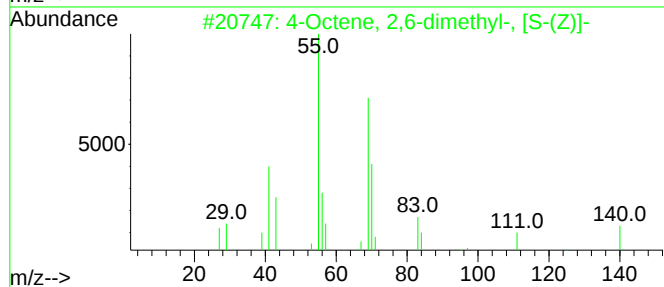
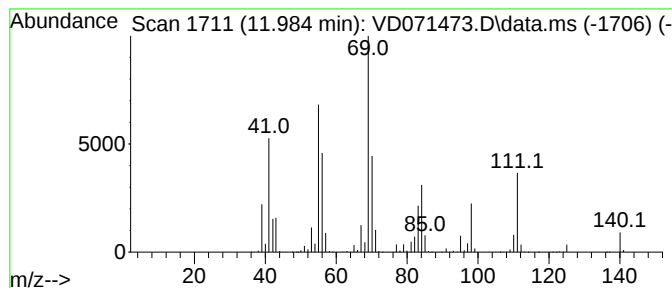
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Quant Title : SW846 8260

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

Peak Number 6 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.984	388.54 ug/l	14429900	Chlorobenzene-d5	11.637

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	58
2			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	58
3			3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	53
4			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	46
5			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
Data File : VD071473.D
Acq On : 25 Dec 2021 22:20
Operator : VA/SY
Sample : M5181-01
Misc : 6.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

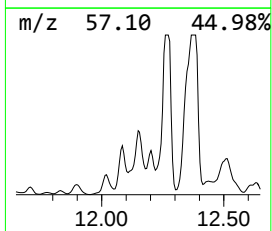
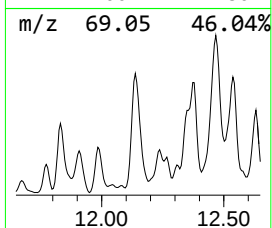
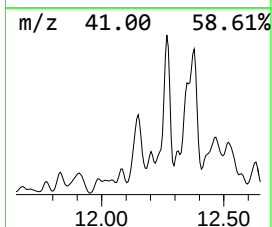
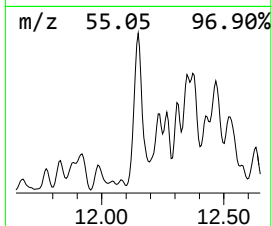
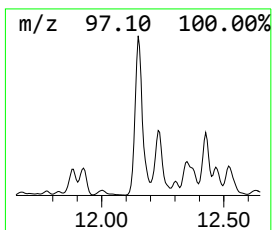
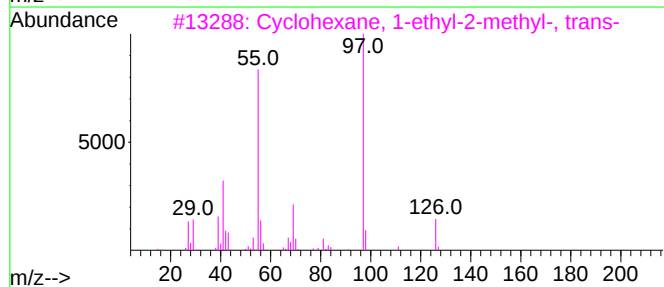
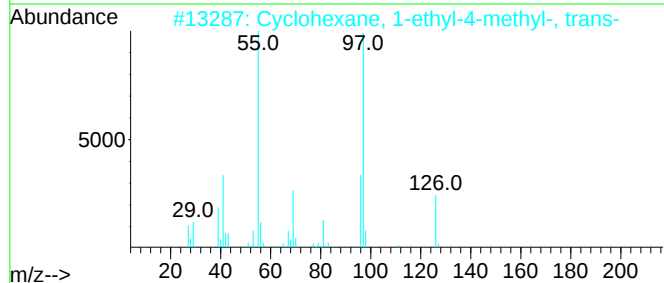
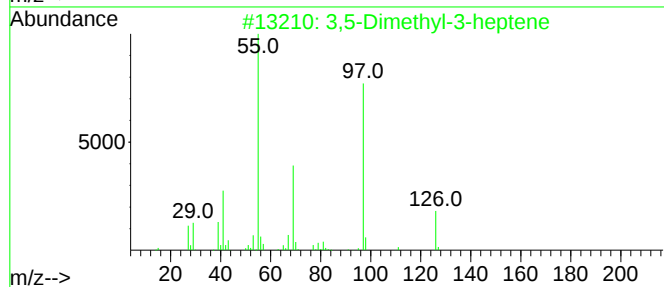
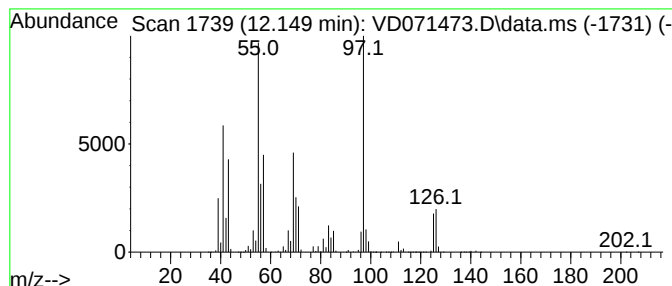
Instrument :
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ClientSampleId :
DB-4-(7.5-8)-12-8-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D12221S.M
Quant Title : SW846 8260

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

Peak Number 7 3,5-Dimethyl-3-heptene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.149	2057.85 ug/l	76426600	Chlorobenzene-d5	11.637	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	53
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
Data File : VD071473.D
Acq On : 25 Dec 2021 22:20
Operator : VA/SY
Sample : M5181-01
Misc : 6.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(7.5-8)-12-8-21

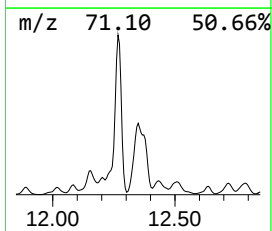
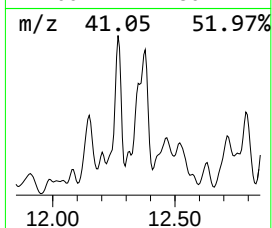
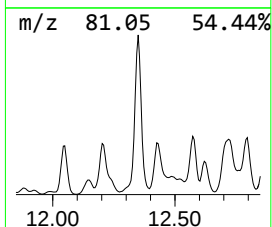
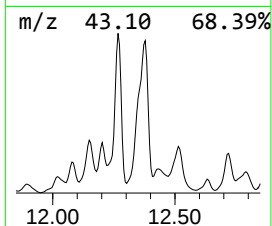
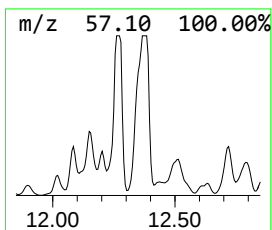
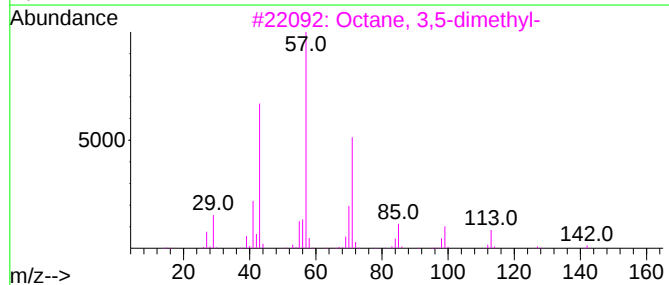
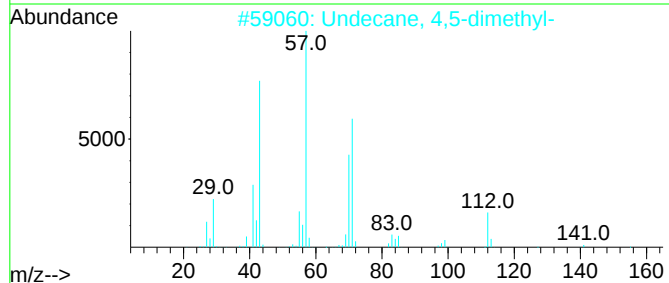
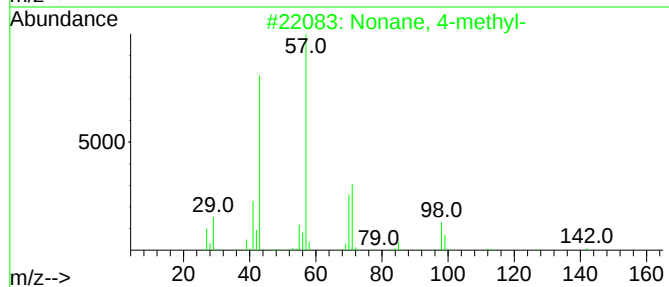
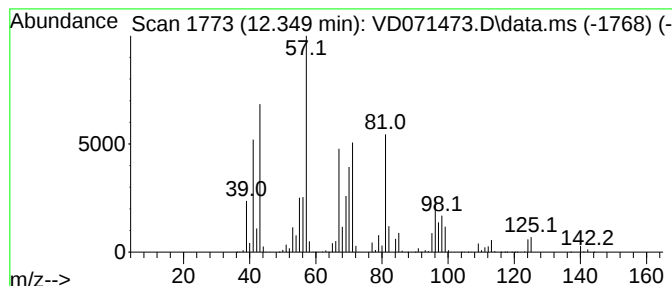
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Quant Title : SW846 8260

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

Peak Number 8 unknown12.349 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.349	1760.84 ug/l	65396000	Chlorobenzene-d5	11.637

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	43
2			Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	38
3			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38
4			Hexane, 3-methyl-	100	C7H16	000589-34-4	35
5			Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
Data File : VD071473.D
Acq On : 25 Dec 2021 22:20
Operator : VA/SY
Sample : M5181-01
Misc : 6.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(7.5-8)-12-8-21

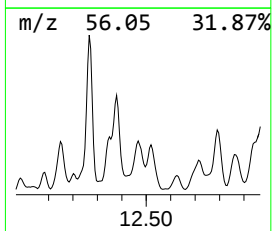
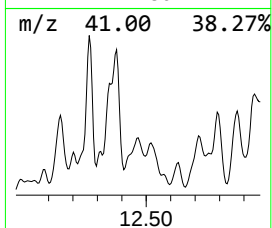
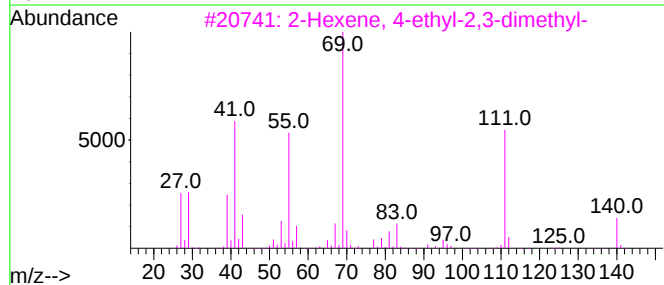
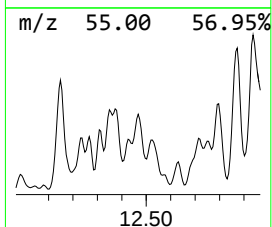
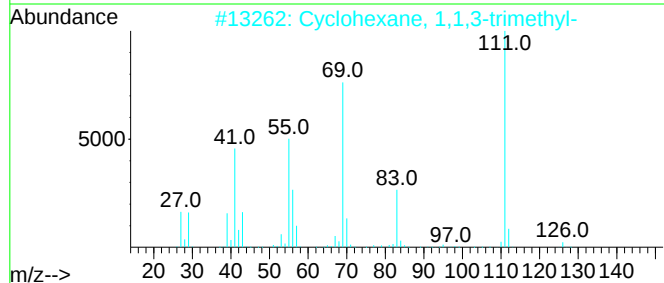
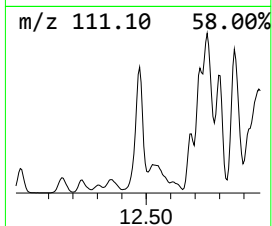
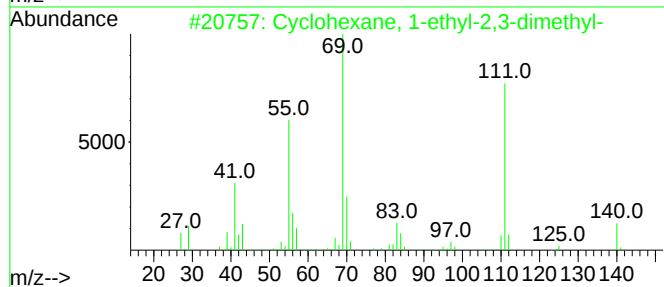
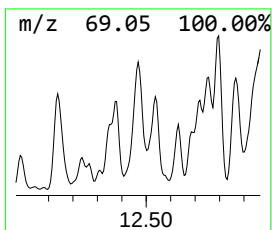
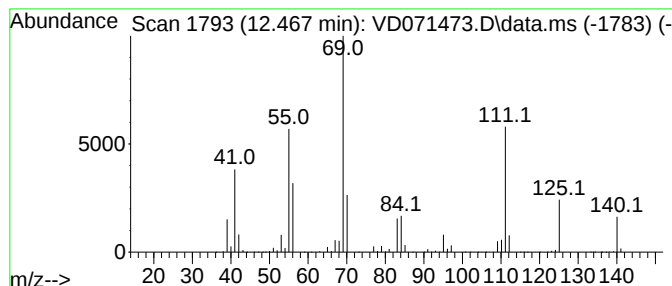
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, 1-ethyl-2,3-di... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.467	1470.29 ug/l	54605300	Chlorobenzene-d5	11.637

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	74
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	59
3			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	49
4			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	47
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
Data File : VD071473.D
Acq On : 25 Dec 2021 22:20
Operator : VA/SY
Sample : M5181-01
Misc : 6.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(7.5-8)-12-8-21

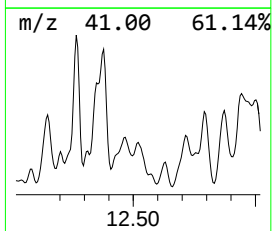
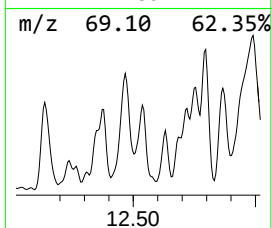
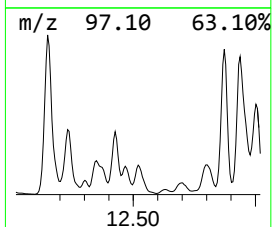
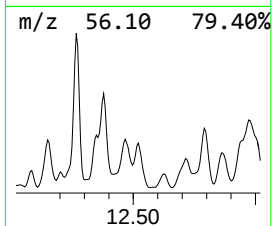
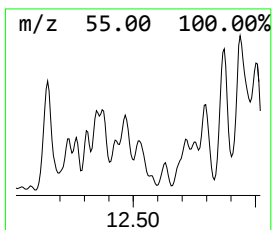
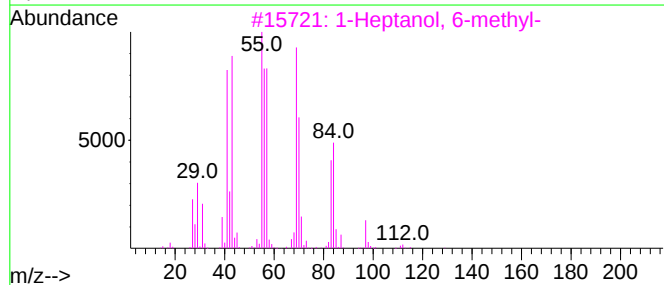
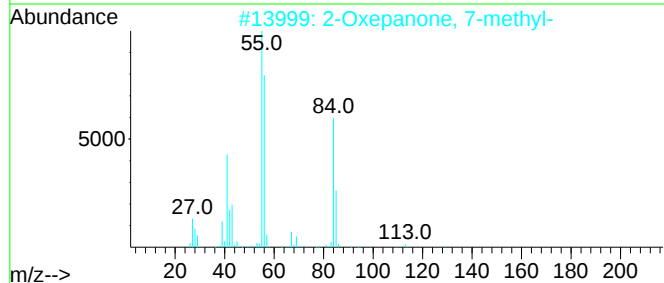
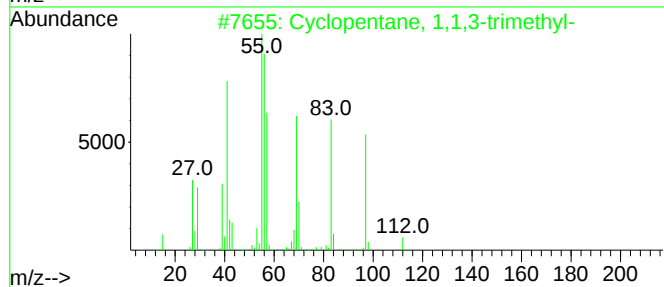
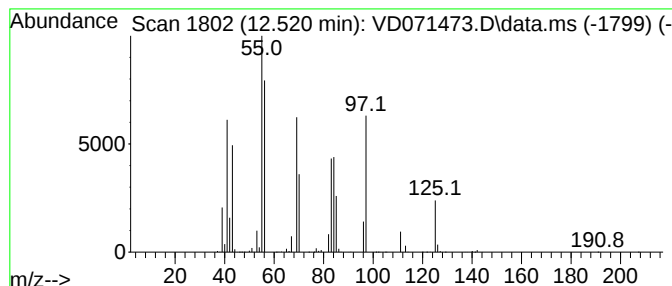
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Quant Title : SW846 8260

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

Peak Number 10 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.520	634.48 ug/l	23563800	Chlorobenzene-d5	11.637

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	50
2		2-Oxepanone, 7-methyl-	128	C7H12O2	002549-59-9	46
3		1-Heptanol, 6-methyl-	130	C8H18O	001653-40-3	43
4		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	40
5		3-Chlorohexane	120	C6H13Cl	002346-81-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
Data File : VD071473.D
Acq On : 25 Dec 2021 22:20
Operator : VA/SY
Sample : M5181-01
Misc : 6.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DB-4-(7.5-8)-12-8-21

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.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
Octane, 2-methyl-	10.949	620.2	ug/l	23033000	3	11.637	1856950	50.0
Heptane, 2,5-di...	11.049	442.8	ug/l	16443700	3	11.637	1856950	50.0
Cyclohexane, 1,...	11.237	623.0	ug/l	23136500	3	11.637	1856950	50.0
Cyclohexane, 1,...	11.832	442.4	ug/l	16430800	3	11.637	1856950	50.0
Cyclohexane, 1,...	11.908	744.5	ug/l	27648700	3	11.637	1856950	50.0
4-Octene, 2,6-d...	11.984	388.5	ug/l	14429900	3	11.637	1856950	50.0
3,5-Dimethyl-3-...	12.149	2057.8	ug/l	76426600	3	11.637	1856950	50.0
unknown12.349	12.349	1760.8	ug/l	65396000	3	11.637	1856950	50.0
Cyclohexane, 1-...	12.467	1470.3	ug/l	54605300	3	11.637	1856950	50.0
Cyclopentane, 1...	12.520	634.5	ug/l	23563800	3	11.637	1856950	50.0