

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080922\
 Data File : VY009913.D
 Acq On : 09 Aug 2022 12:35
 Operator : KP/MD
 Sample : N4073-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24133

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\82Y080822S.M
 Title : SW846 8260

Signal : TIC: VY009913.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.698	460	472	486	rBV2	10744	32449	10.52%	1.260%
2	5.734	633	642	651	rBV5	2233	6710	2.18%	0.261%
3	6.978	833	846	855	rBV	7284	21664	7.02%	0.841%
4	7.710	956	966	971	rBV2	32618	76133	24.68%	2.956%
5	7.783	971	978	991	rVB	72282	164080	53.19%	6.370%
6	8.130	1021	1035	1045	rBV2	37088	90752	29.42%	3.523%
7	8.685	1117	1126	1136	rBV	130970	257370	83.43%	9.992%
8	10.173	1363	1370	1378	rBV	133032	229957	74.55%	8.928%
9	10.947	1491	1497	1503	rBV	4725	7708	2.50%	0.299%
10	11.483	1579	1585	1599	rVB	187267	308470	100.00%	11.976%
11	12.331	1717	1724	1734	rBV	140034	227037	73.60%	8.815%
12	12.477	1741	1748	1757	rBV	87889	138677	44.96%	5.384%
13	12.581	1757	1765	1770	rBV	10817	18049	5.85%	0.701%
14	12.892	1810	1816	1825	rVB	39000	61953	20.08%	2.405%
15	13.142	1849	1857	1864	rBV	31881	54049	17.52%	2.098%
16	13.343	1882	1890	1892	rBV4	5170	9489	3.08%	0.368%
17	13.422	1897	1903	1912	rVB	166160	265586	86.10%	10.311%
18	13.745	1951	1956	1961	rBV5	6498	12924	4.19%	0.502%
19	13.910	1981	1983	1988	rBV5	2423	4342	1.41%	0.169%
20	13.965	1990	1992	1999	rVB3	4029	6418	2.08%	0.249%
21	14.081	2005	2011	2014	rBV	11947	20112	6.52%	0.781%
22	14.135	2015	2020	2021	rBV4	5055	7333	2.38%	0.285%
23	14.257	2035	2040	2044	rBV6	11670	25005	8.11%	0.971%
24	14.385	2056	2061	2062	rBV4	5994	9049	2.93%	0.351%
25	14.422	2063	2067	2070	rVV5	12692	18525	6.01%	0.719%
26	14.477	2071	2076	2080	rVB6	7221	14617	4.74%	0.567%
27	14.611	2095	2098	2102	rVB	7826	10639	3.45%	0.413%
28	14.672	2103	2108	2114	rBV3	21954	51201	16.60%	1.988%
29	14.733	2115	2118	2124	rVV6	10496	20391	6.61%	0.792%
30	14.782	2124	2126	2129	rBV4	6436	7276	2.36%	0.282%
31	14.873	2139	2141	2145	rVB4	6429	6657	2.16%	0.258%
32	14.940	2149	2152	2156	rVB4	15830	21684	7.03%	0.842%
33	15.123	2179	2182	2190	rVB7	16437	31694	10.27%	1.231%
34	15.214	2194	2197	2203	rBV5	11925	22042	7.15%	0.856%
35	15.294	2206	2210	2214	rVV7	12664	23116	7.49%	0.897%
36	15.440	2232	2234	2237	rBV3	8904	12721	4.12%	0.494%

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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\82Y080822S.M
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37	16.159	2348	2352	2357	rVB4	29192	51663	16.75%	2.006%
38	16.226	2358	2363	2369	rBV2	40506	90355	29.29%	3.508%
39	16.476	2400	2404	2412	rVB8	44257	96441	31.26%	3.744%
40	16.604	2421	2425	2430	rBV8	16230	41356	13.41%	1.606%

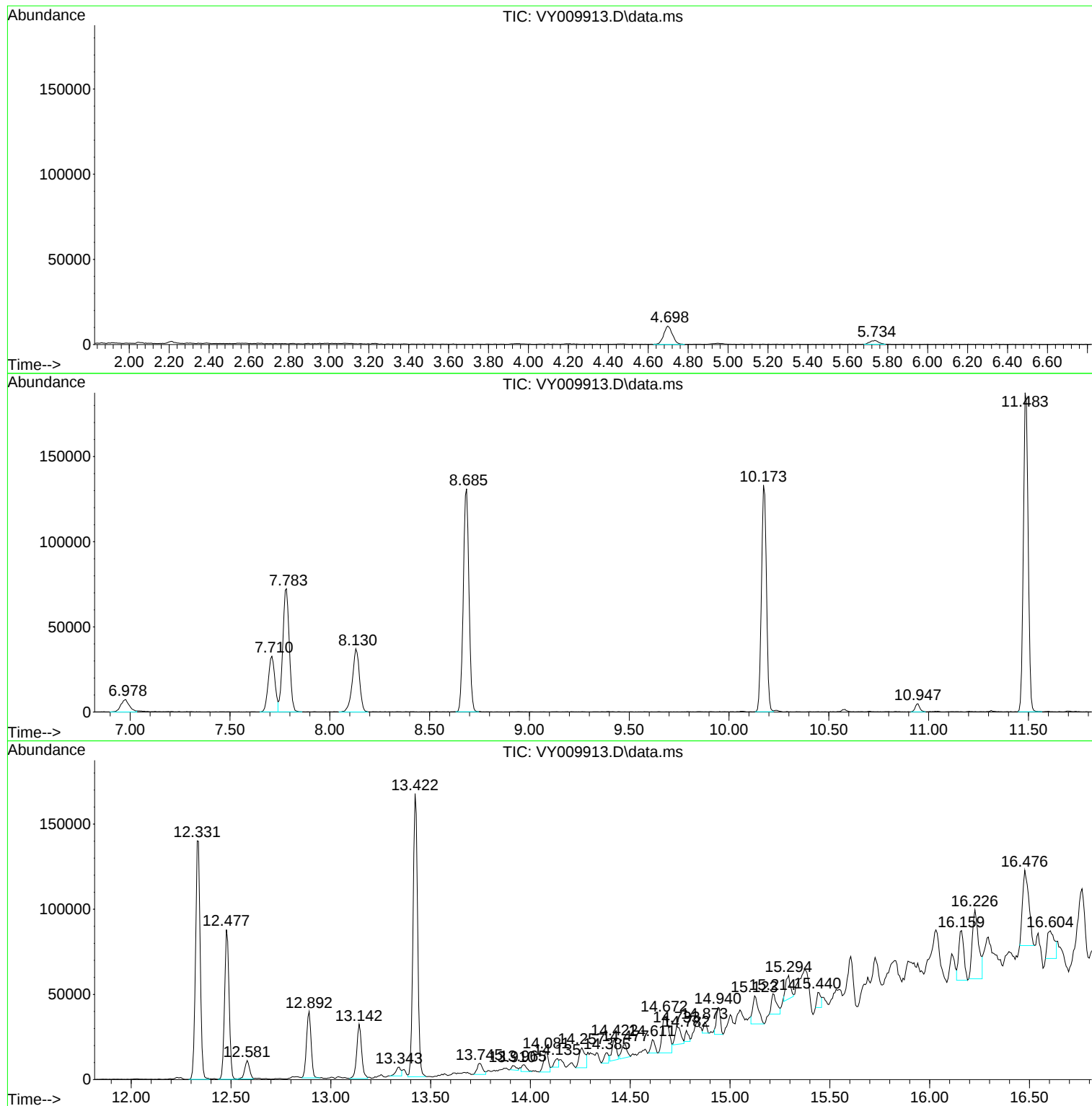
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080822S.M
Quant Title : SW846 8260

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



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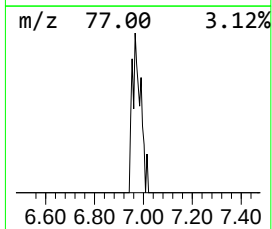
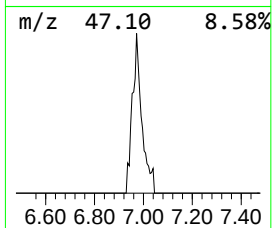
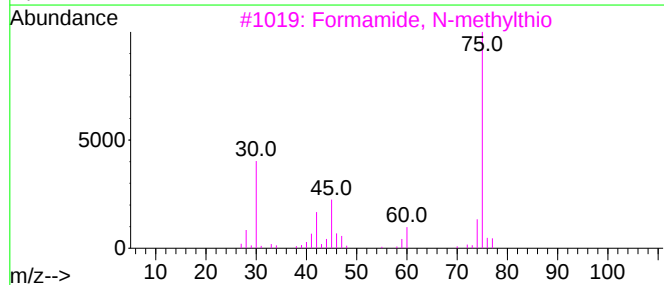
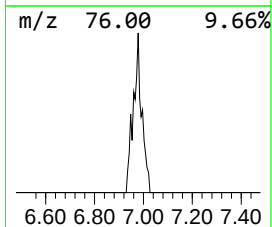
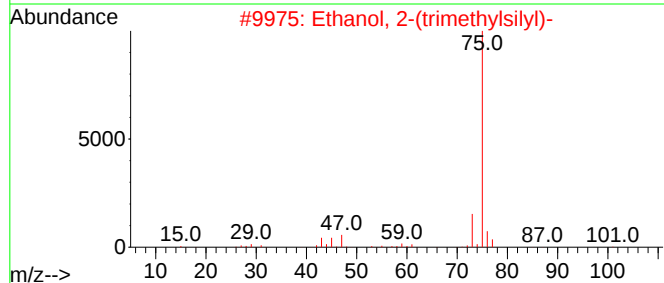
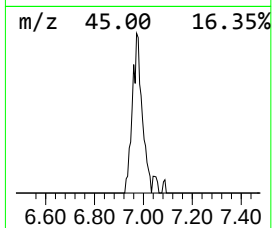
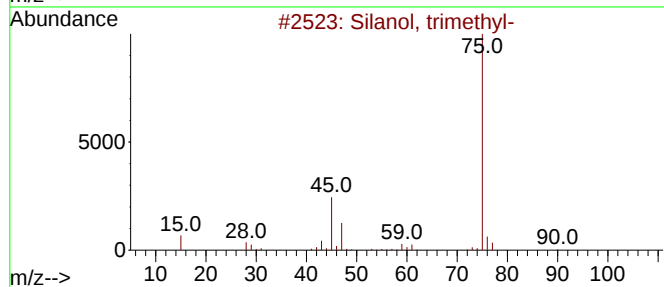
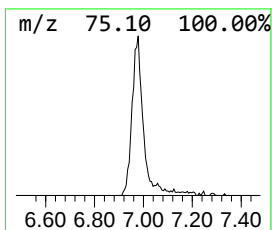
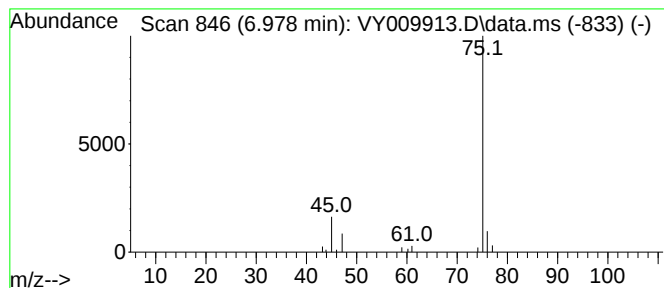
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080822S.M
Quant Title : SW846 8260

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

Peak Number 2 Silanol, trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.978	6.60 ug/l	21664	Pentafluorobenzene	7.783

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Silanol, trimethyl-	90	C3H10OSi	001066-40-6	74
2			Ethanol, 2-(trimethylsilyl)-	118	C5H14OSi	002916-68-9	9
3			Formamide, N-methylthio	75	C2H5NS	018952-41-5	7
4			Ethanethioamide	75	C2H5NS	000062-55-5	5
5			Glycine	75	C2H5NO2	000056-40-6	3



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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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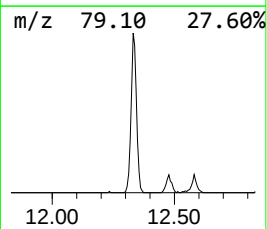
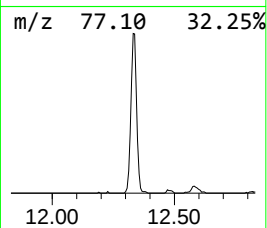
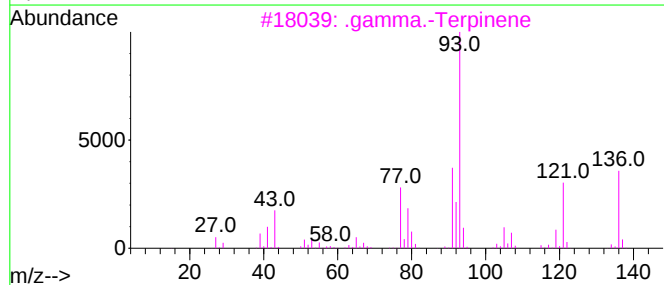
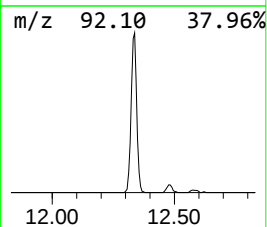
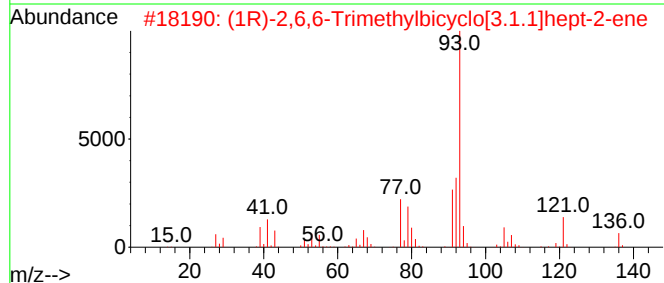
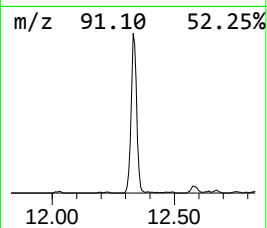
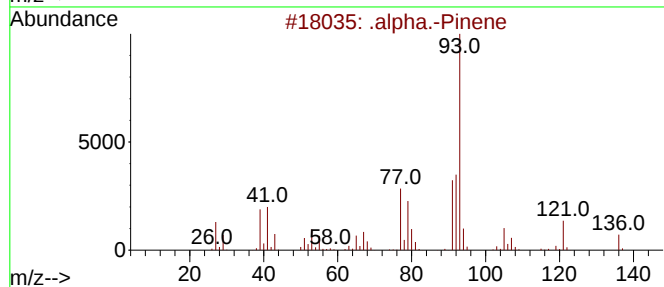
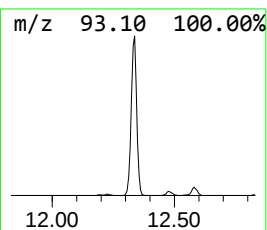
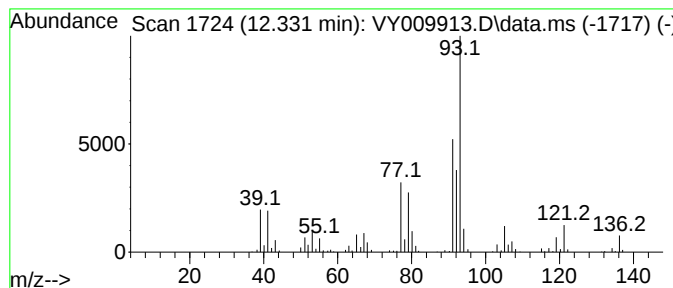
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Peak Number 3 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.331	36.80 ug/l	227037	Chlorobenzene-d5	11.490

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.alpha.-Pinene	136	C10H16	000080-56-8	97
2			(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
3			.gamma.-Terpinene	136	C10H16	000099-85-4	91
4			(+)-4-Carene	136	C10H16	029050-33-7	90
5			(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90



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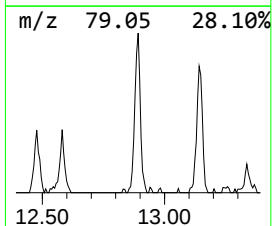
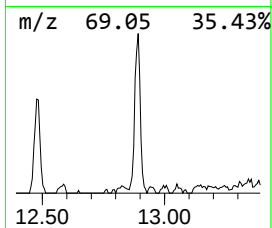
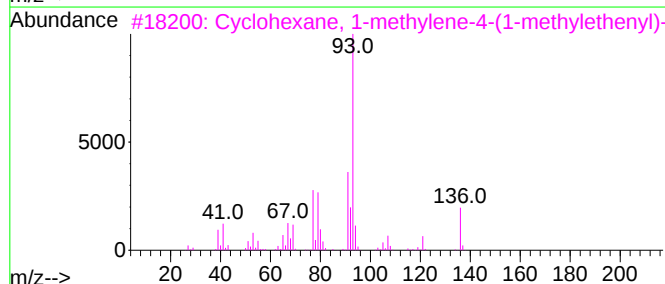
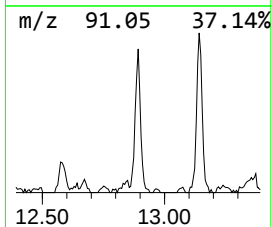
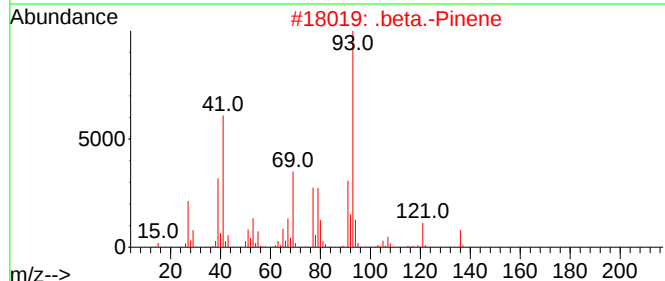
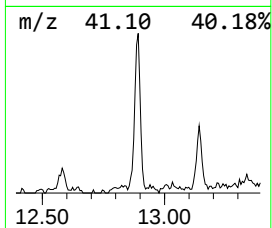
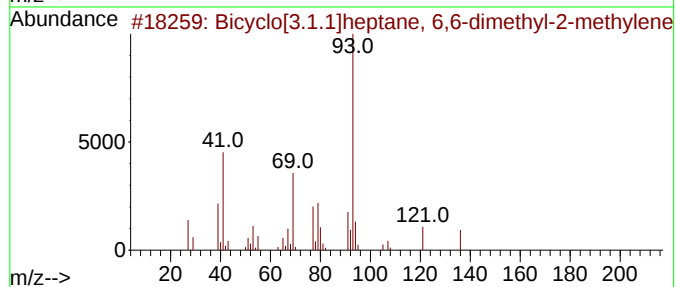
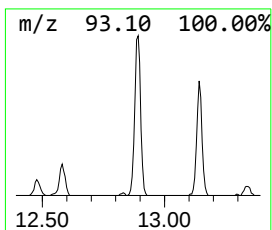
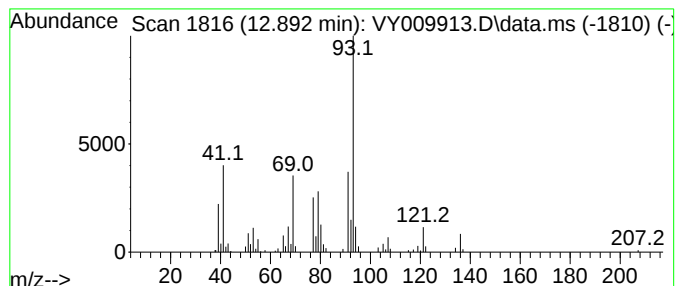
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.892	11.66 ug/l	61953	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	97
2			.beta.-Pinene	136	C10H16	000127-91-3	96
3			Cyclohexane, 1-methylene-4-(1-me...	136	C10H16	000499-97-8	91
4			Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	90
5			.alpha.-Pinene	136	C10H16	000080-56-8	90



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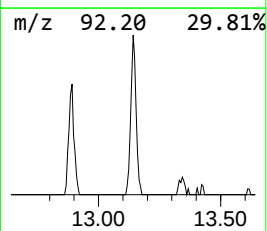
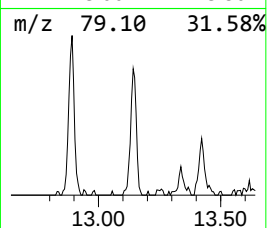
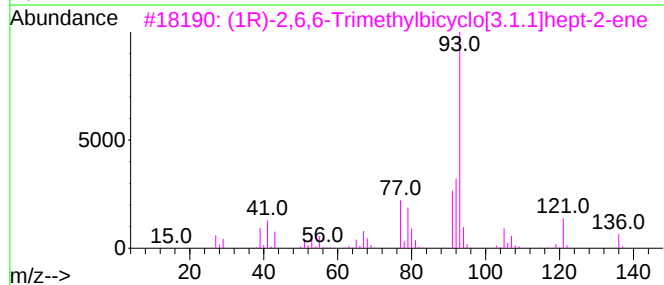
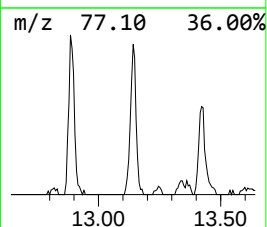
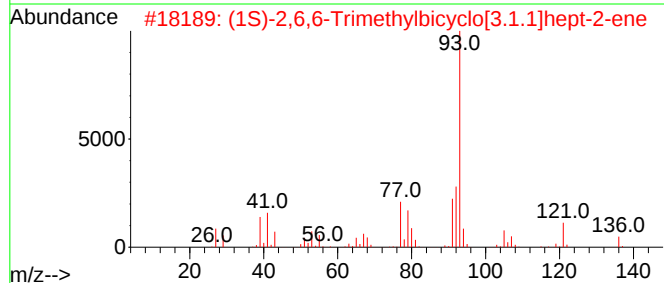
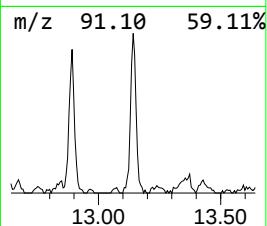
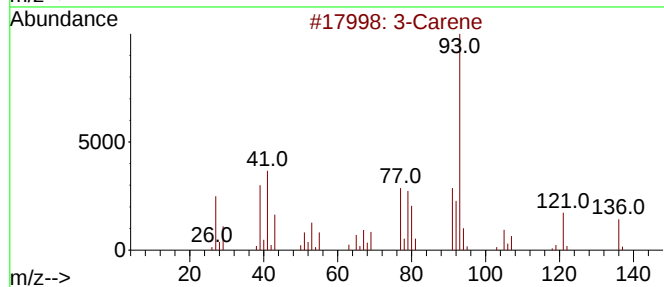
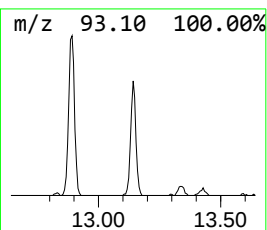
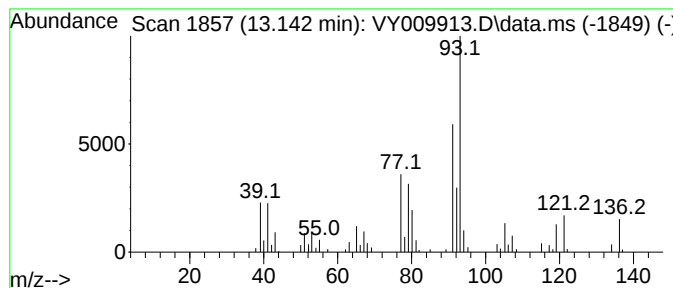
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 3-Carene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.142	10.18 ug/l	54049	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Carene	136	C10H16	013466-78-9	93
2			(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-26-4	93
3			(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	90
4			Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	136	C10H16	004889-83-2	87
5			Cyclopentene, 3-isopropenyl-5,5-dimethyl-	136	C10H16	1000162-25-4	87



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MSVOA_Y
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CHRT-24133

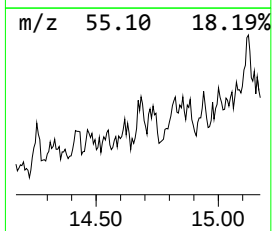
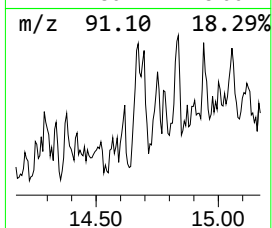
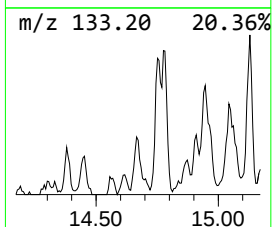
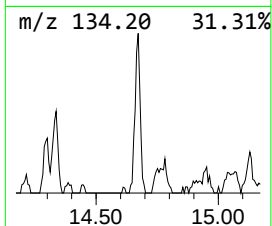
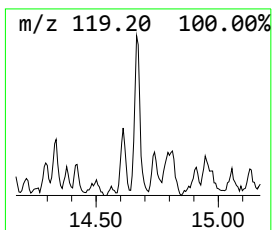
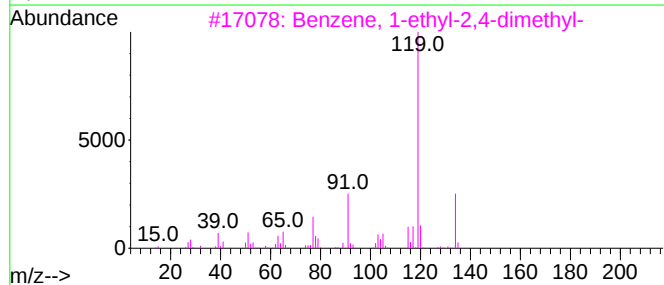
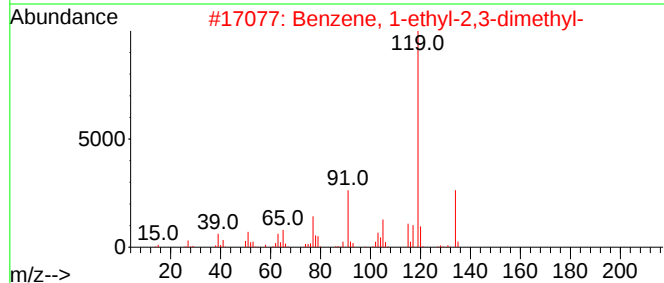
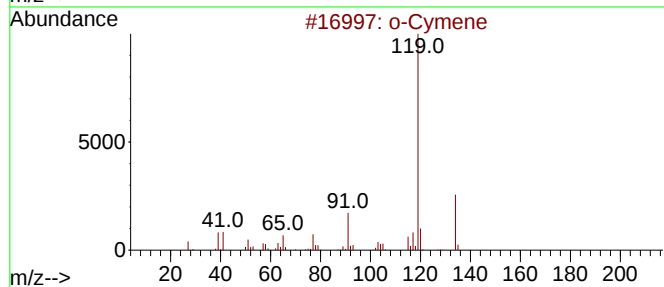
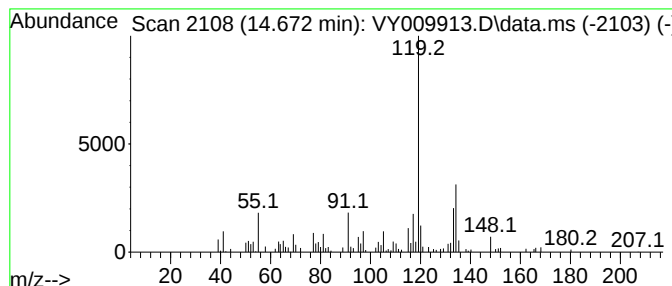
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Quant Title : SW846 8260

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

Peak Number 6 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	9.64 ug/l	51201	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	93
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	92
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080922\
Data File : VY009913.D
Acq On : 09 Aug 2022 12:35
Operator : KP/MD
Sample : N4073-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

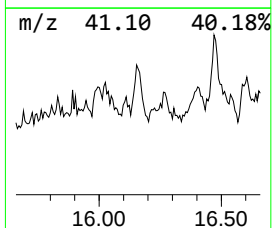
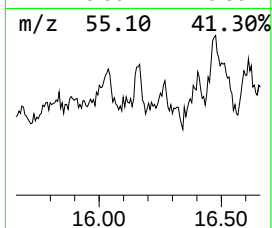
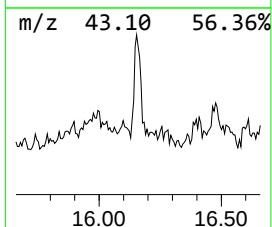
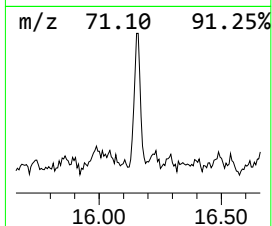
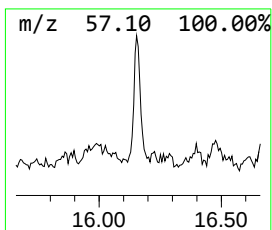
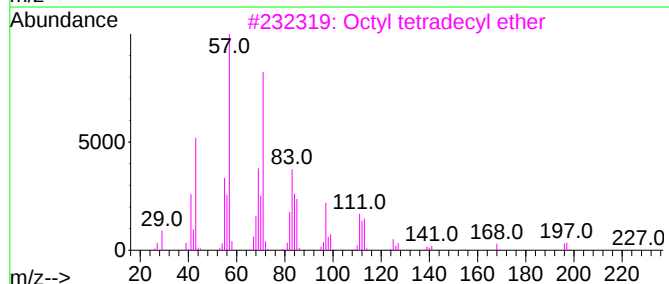
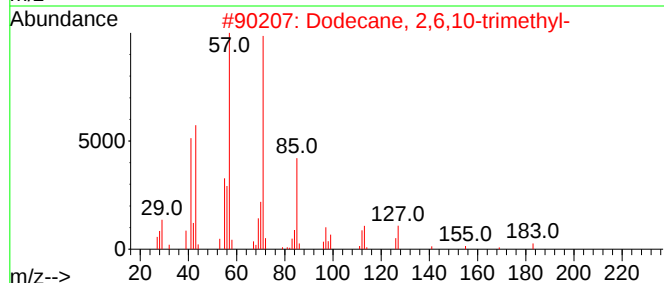
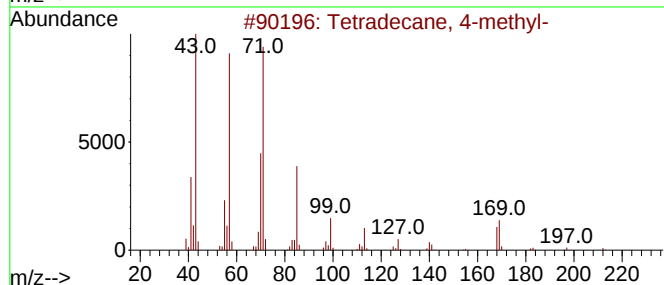
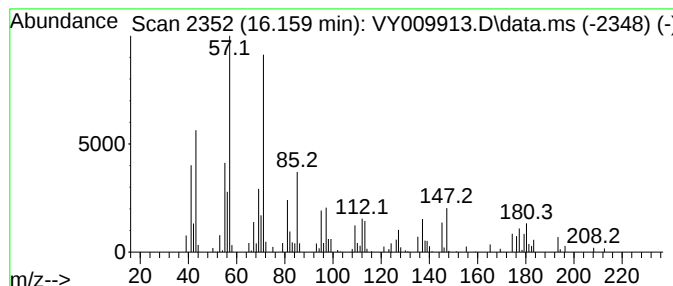
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Quant Title : SW846 8260

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

Peak Number 7 unknown16.159 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.159	9.73 ug/l	51663	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	46
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	46
3			Octyl tetradecyl ether	326	C22H46O	1000406-38-5	46
4			Octyl tetracosyl ether	467	C32H66O	1000406-39-0	43
5			Eicosyl octyl ether	410	C28H58O	1000406-38-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080922\
Data File : VY009913.D
Acq On : 09 Aug 2022 12:35
Operator : KP/MD
Sample : N4073-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

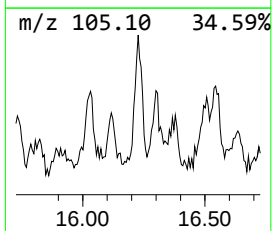
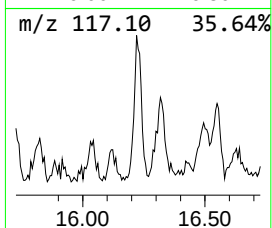
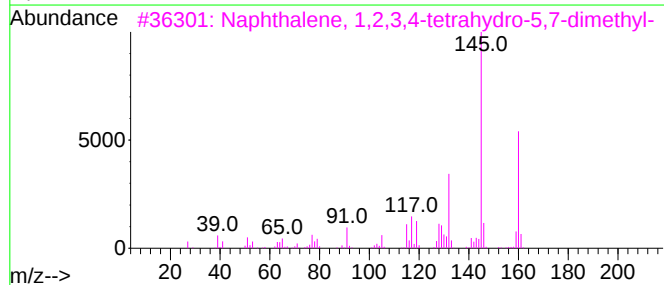
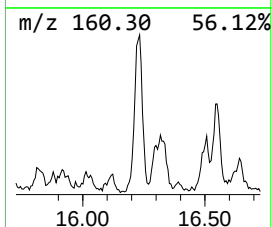
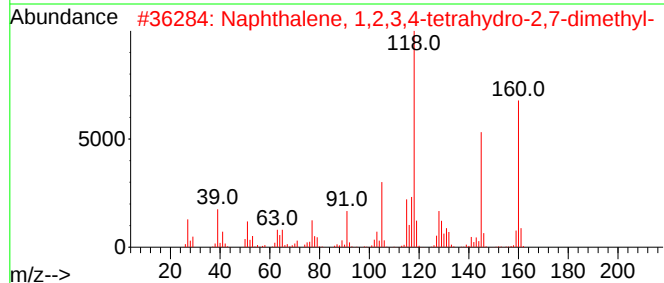
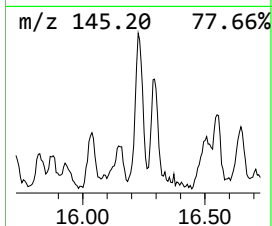
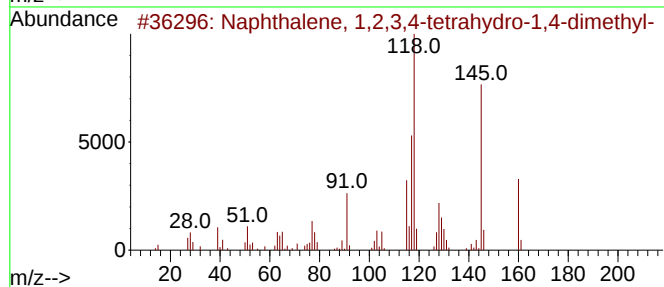
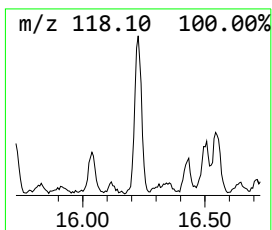
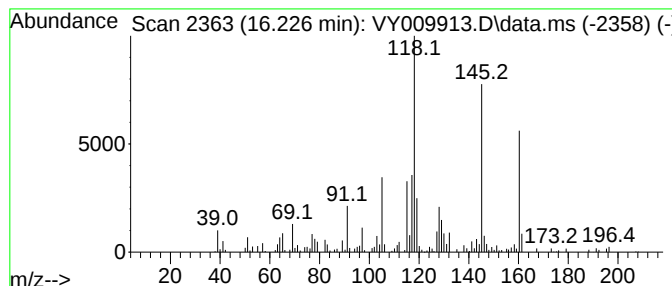
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.227	17.01 ug/l	90355	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	94
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	78
4			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	53
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080922\
Data File : VY009913.D
Acq On : 09 Aug 2022 12:35
Operator : KP/MD
Sample : N4073-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

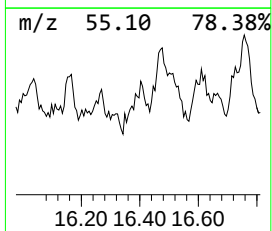
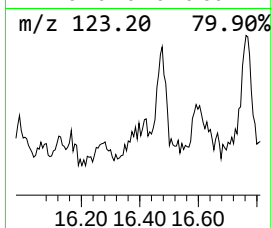
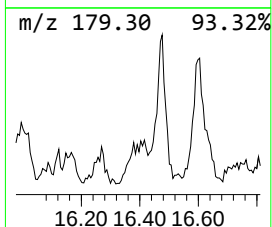
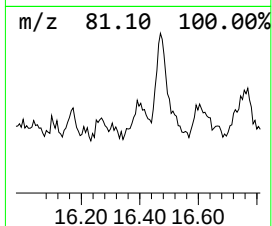
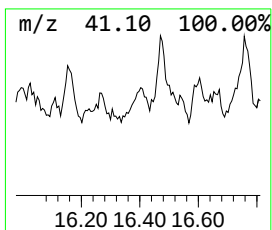
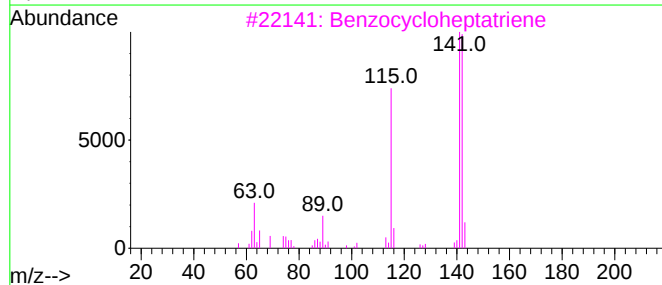
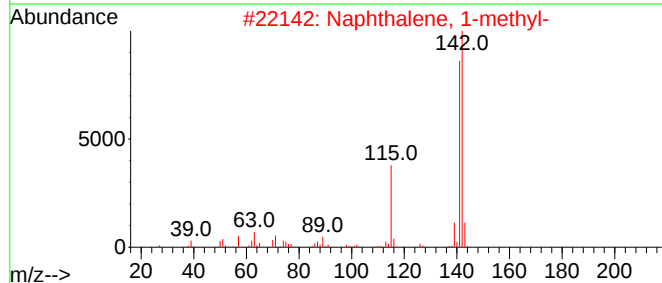
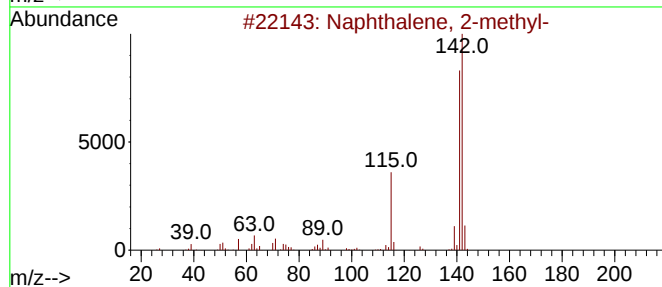
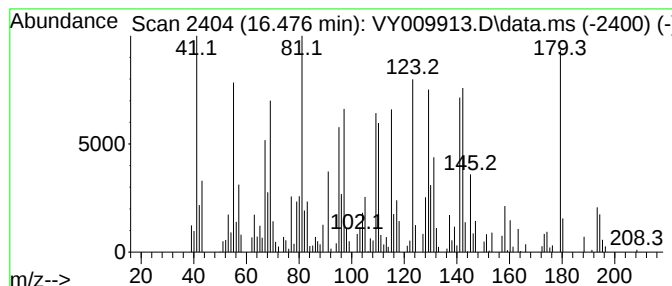
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.476	18.16 ug/l	96441	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	53
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	53
3			Benzocycloheptatriene	142	C11H10	000264-09-5	44
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	11
5			2(3H)-Benzothiazolone, 3-methyl-...	179	C8H9N3S	001128-67-2	11



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080922\
Data File : VY009913.D
Acq On : 09 Aug 2022 12:35
Operator : KP/MD
Sample : N4073-01
Misc : 5.08g/5.0mL/MSVOA_Y/soil
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

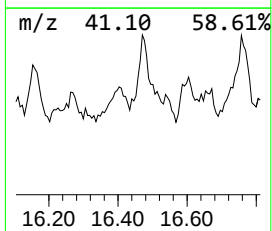
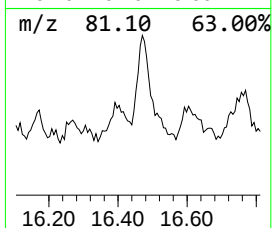
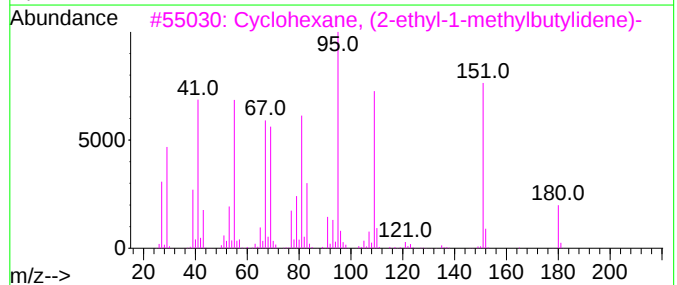
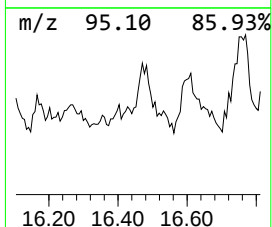
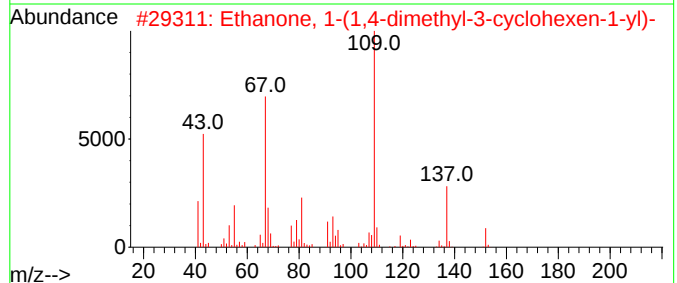
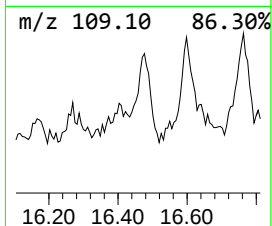
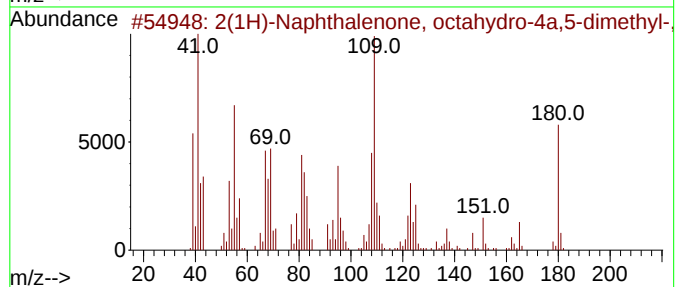
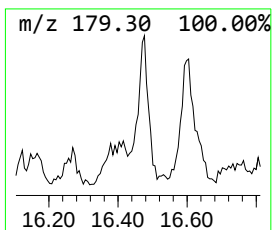
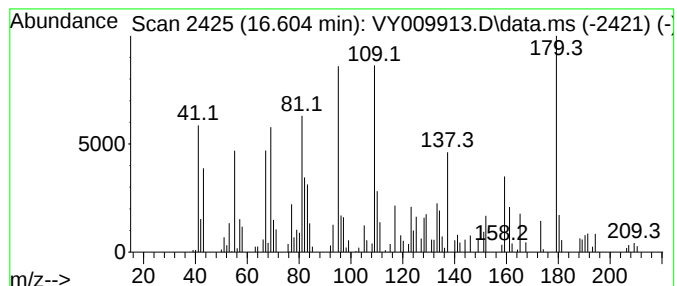
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Quant Title : SW846 8260

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

Peak Number 10 unknown16.605 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.605	7.79 ug/l	41356	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-4...	180	C12H20O	051557-64-3	20		
2	Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	18		
3	Cyclohexane, (2-ethyl-1-methylbu...	180	C13H24	074810-41-6	18		
4	1-(Azidomethyl)-4-fluorobenzene	151	C7H6FN3	159979-96-1	18		
5	cis,cis-2,9-Dimethylspiro[5.5]un...	180	C13H24	095472-51-8	15		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080922\
Data File : VY009913.D
Acq On : 09 Aug 2022 12:35
Operator : KP/MD
Sample : N4073-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080822S.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
Silanol, trimet...	6.978	6.6	ug/l	21664	1	7.783	164080	50.0
.alpha.-Pinene	12.331	36.8	ug/l	227037	3	11.490	308470	50.0
Bicyclo[3.1.1]h...	12.892	11.7	ug/l	61953	4	13.422	265586	50.0
3-Carene	13.142	10.2	ug/l	54049	4	13.422	265586	50.0
o-Cymene	14.672	9.6	ug/l	51201	4	13.422	265586	50.0
unknown16.159	16.159	9.7	ug/l	51663	4	13.422	265586	50.0
Naphthalene, 1,...	16.227	17.0	ug/l	90355	4	13.422	265586	50.0
Naphthalene, 1-...	16.476	18.2	ug/l	96441	4	13.422	265586	50.0
unknown16.605	16.605	7.8	ug/l	41356	4	13.422	265586	50.0