

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072989.D
 Acq On : 13 May 2022 15:01
 Operator : VA/SY
 Sample : N2826-01
 Misc : 5.02 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-05-051222

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\82D050222S.M
 Title : SW846 8260

Signal : TIC: VD072989.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.909	1008	1018	1023	rBV	139387	332385	3.53%	0.808%
2	7.973	1023	1029	1042	rVB2	206358	471979	5.01%	1.148%
3	8.326	1075	1089	1098	rBV	151271	366819	3.90%	0.892%
4	8.856	1170	1179	1189	rBV	307370	631023	6.70%	1.534%
5	10.332	1421	1430	1439	rBV	492863	884603	9.40%	2.151%
6	11.638	1642	1652	1662	rBV	500808	876918	9.31%	2.132%
7	12.338	1764	1771	1783	rBV	619812	1045278	11.10%	2.542%
8	12.473	1785	1794	1805	rBV	4939385	8558064	90.90%	20.810%
9	12.620	1812	1819	1825	rBV	467699	763832	8.11%	1.857%
10	12.685	1825	1830	1833	rVV2	311696	533844	5.67%	1.298%
11	12.726	1833	1837	1843	rVB	334323	574454	6.10%	1.397%
12	12.944	1865	1874	1883	rBV	5417209	9414853	100.00%	22.894%
13	13.032	1883	1889	1896	rVB	199999	349824	3.72%	0.851%
14	13.249	1920	1926	1934	rVB	148954	242042	2.57%	0.589%
15	13.367	1938	1946	1954	rBV	946707	1448094	15.38%	3.521%
16	13.473	1957	1964	1973	rVV2	670056	1422333	15.11%	3.459%
17	13.561	1973	1979	1990	rVB	803751	1298740	13.79%	3.158%
18	13.720	1999	2006	2015	rBV	1409398	2135426	22.68%	5.193%
19	14.002	2047	2054	2061	rBV2	395119	638686	6.78%	1.553%
20	14.443	2121	2129	2138	rBV	477256	831179	8.83%	2.021%
21	14.602	2147	2156	2166	rBV	3353619	5331960	56.63%	12.966%
22	14.696	2166	2172	2178	rBV	687435	1086451	11.54%	2.642%
23	15.408	2285	2293	2305	rVB4	133138	279320	2.97%	0.679%
24	15.655	2328	2335	2345	rBV2	156638	297038	3.15%	0.722%
25	16.002	2384	2394	2399	rBV2	70989	165062	1.75%	0.401%
26	16.067	2399	2405	2416	rVB2	497419	1014624	10.78%	2.467%
27	16.590	2487	2494	2502	rBV3	61582	129063	1.37%	0.314%

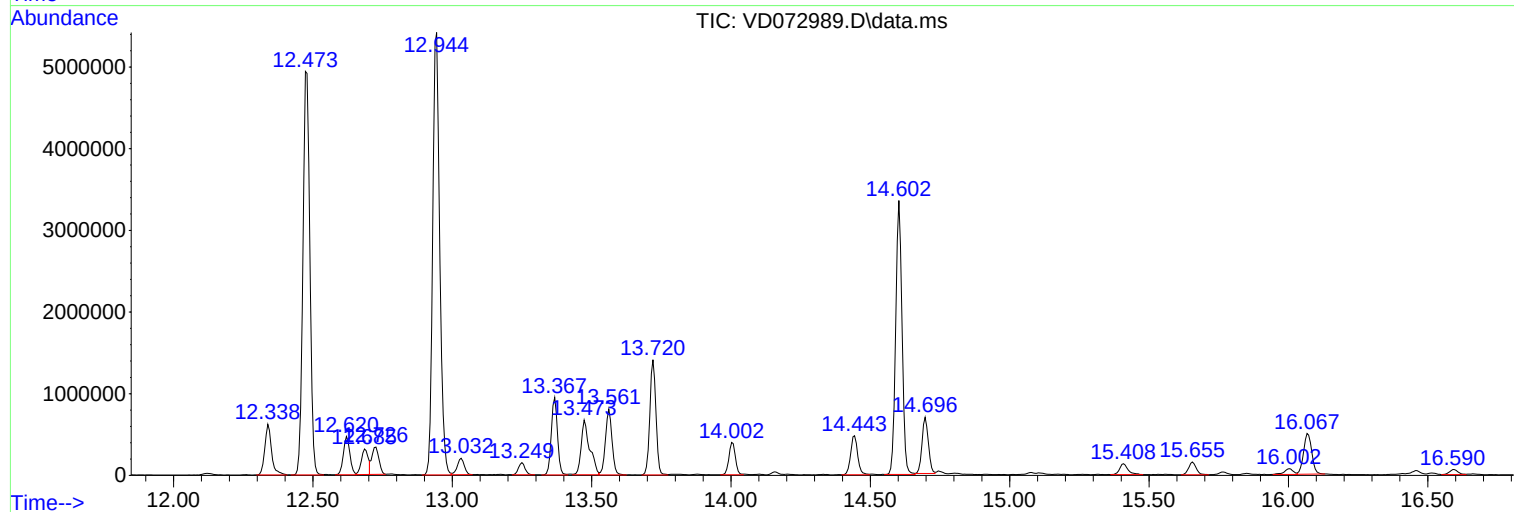
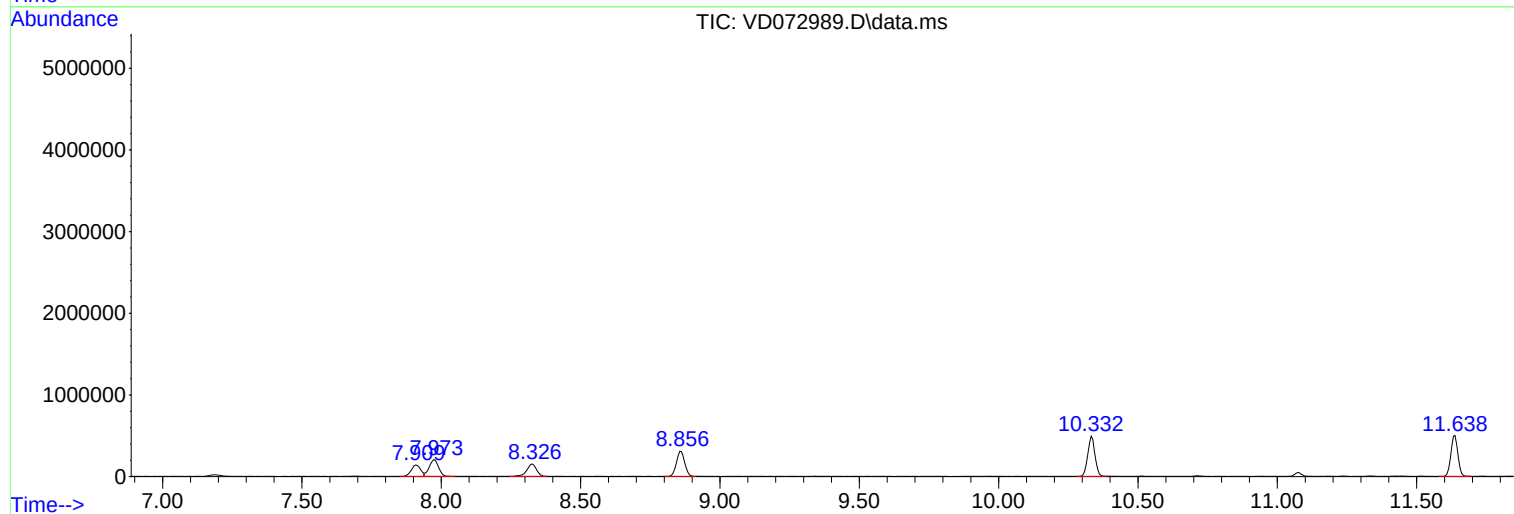
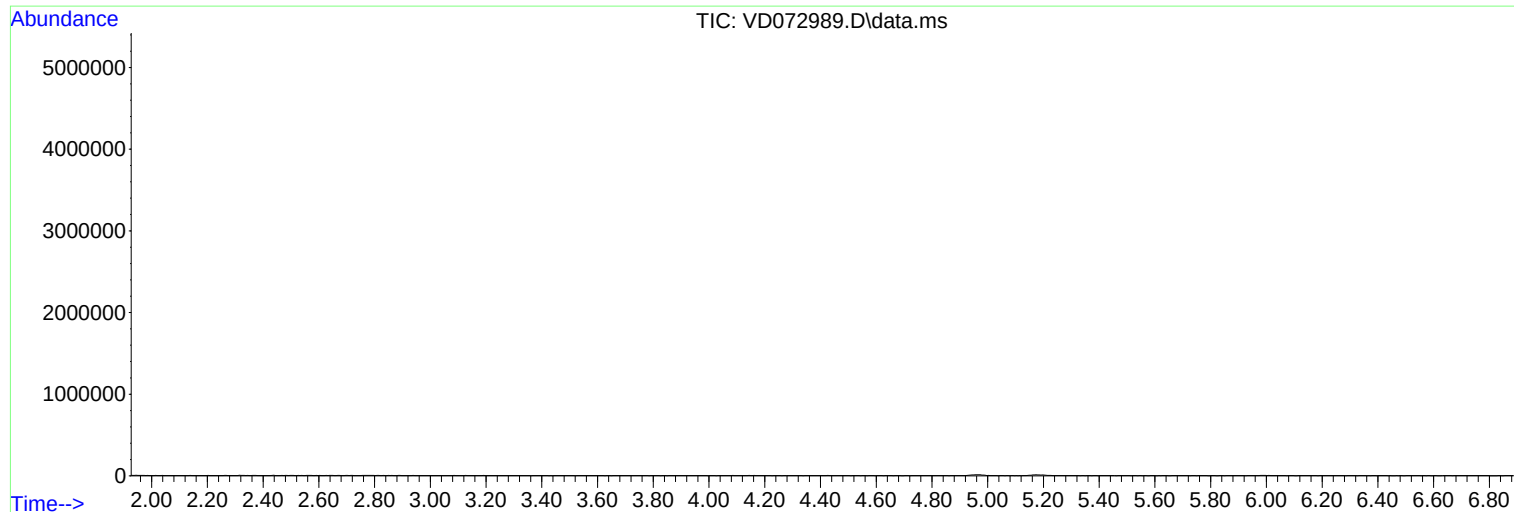
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-05-051222

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

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



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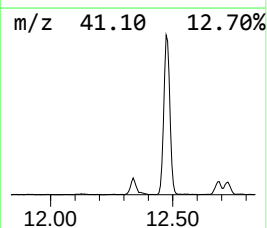
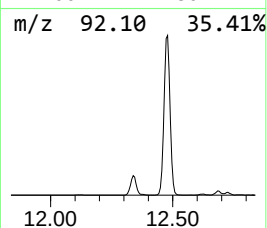
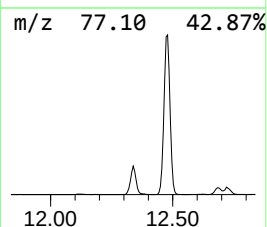
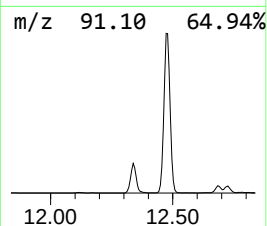
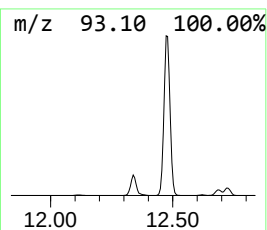
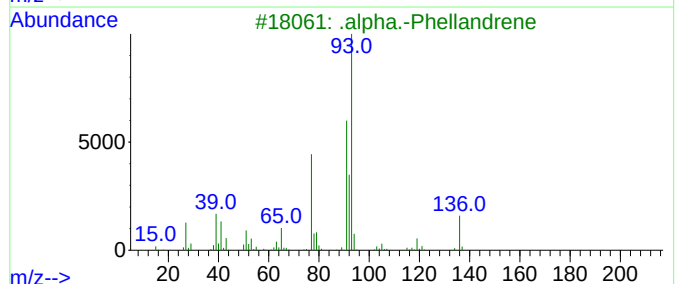
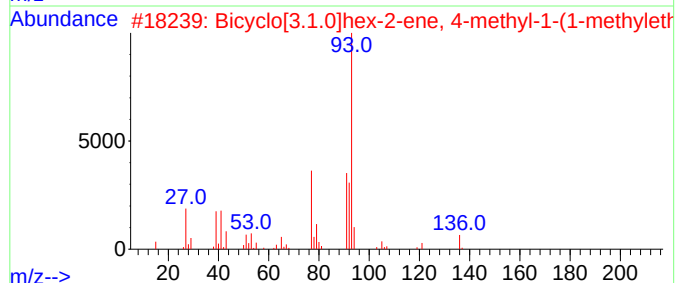
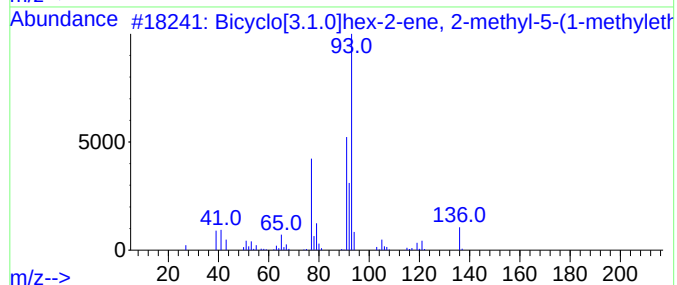
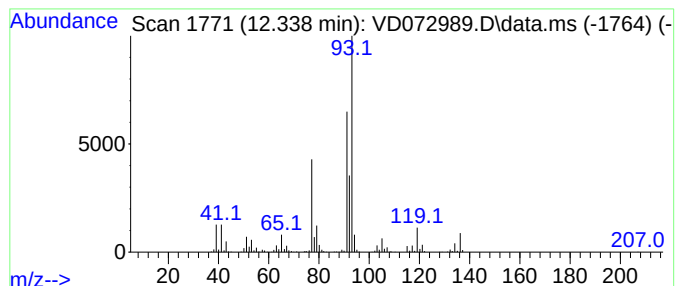
Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

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

Peak Number 1 Bicyclo[3.1.0]hex-2-ene, 2-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.338	59.60 ug/l	1045280	Chlorobenzene-d5	11.638	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	90
2	Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	87
3	.alpha.-Phellandrene	136	C10H16	000099-83-2	83
4	1,4-Methano-1H-Cyclopropa[d]pyri...	136	C8H12N2	109746-10-3	64
5	.beta.-Phellandrene	136	C10H16	000555-10-2	53



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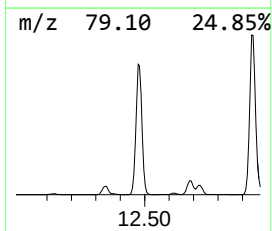
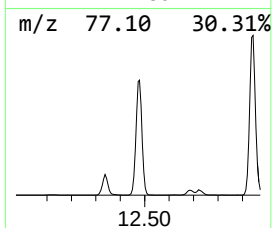
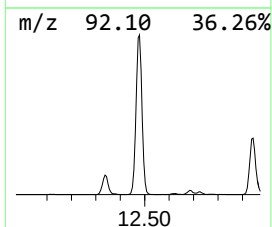
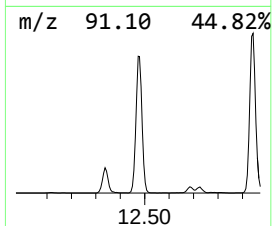
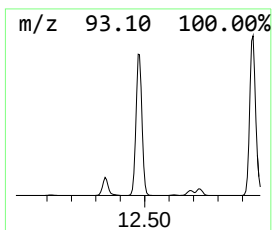
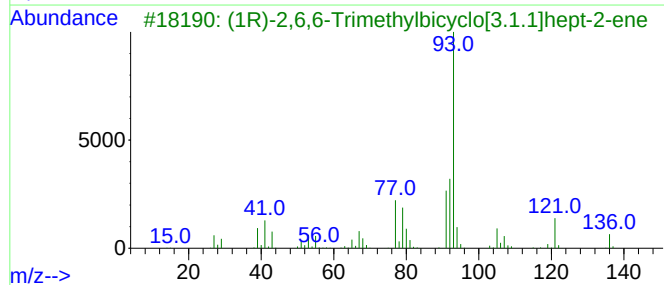
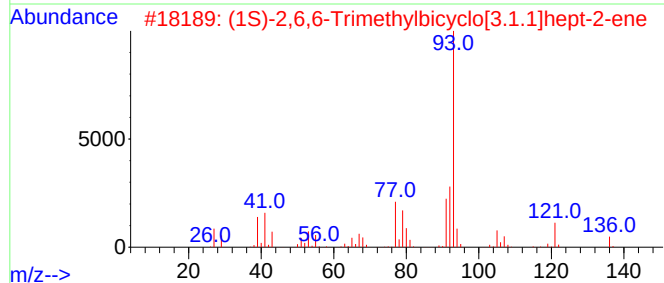
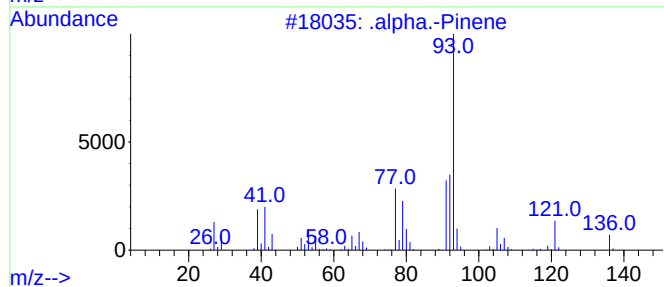
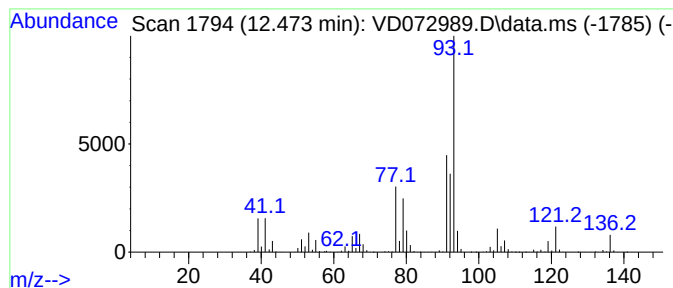
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

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

Peak Number 2 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.473	487.96 ug/l	8558060	Chlorobenzene-d5	11.638

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.alpha.-Pinene	136	C10H16	000080-56-8	97
2			(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-26-4	95
3			(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	94
4			(+)-3-Carene	136	C10H16	000498-15-7	91
5			Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	136	C10H16	004889-83-2	91



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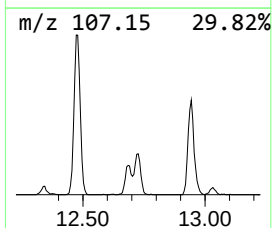
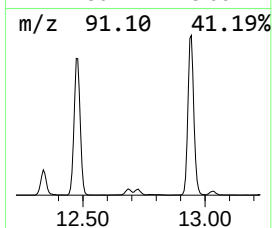
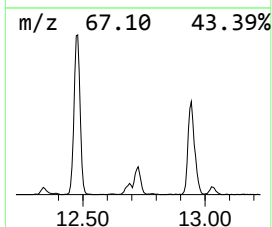
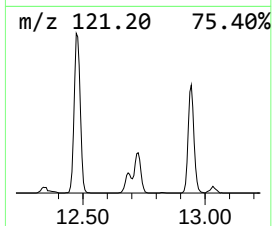
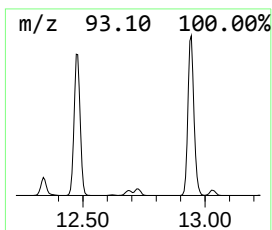
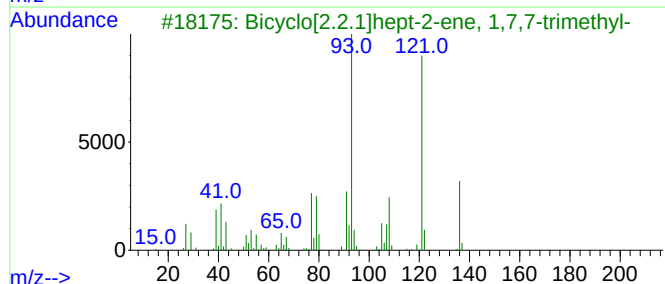
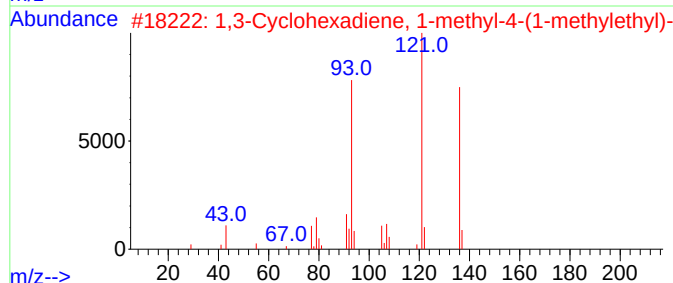
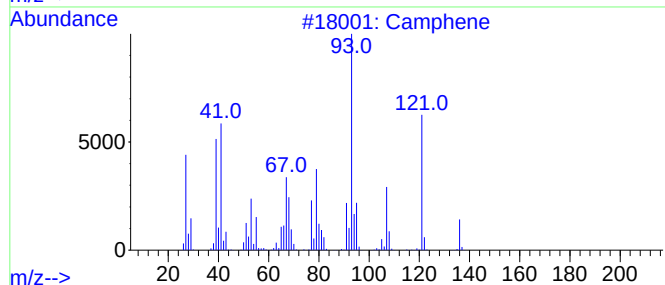
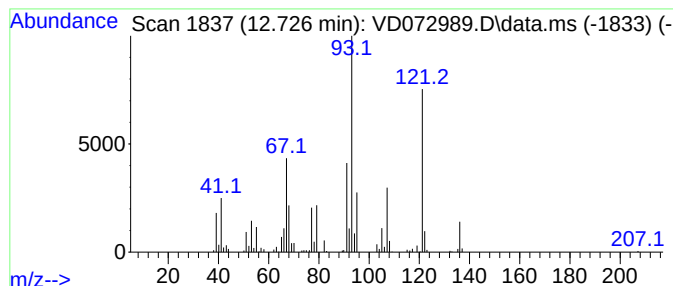
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

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

Peak Number 3 Camphene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.726	22.12 ug/l	574454	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Camphene	136	C10H16	000079-92-5	90
2			1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	76
3			Bicyclo[2.2.1]hept-2-ene, 1,7,7-...	136	C10H16	000464-17-5	76
4			(+)-4-Carene	136	C10H16	029050-33-7	76
5			2-Carene	136	C10H16	000554-61-0	68



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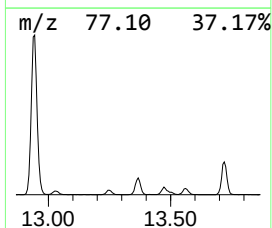
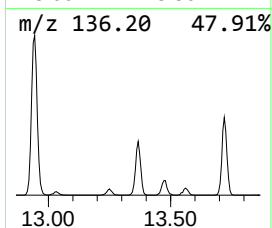
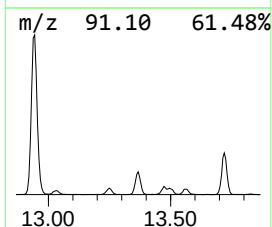
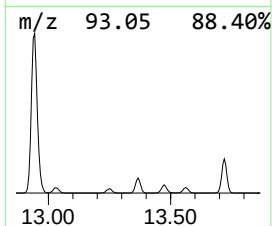
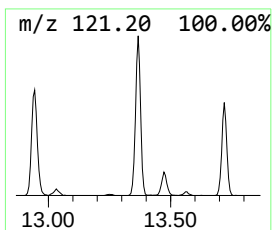
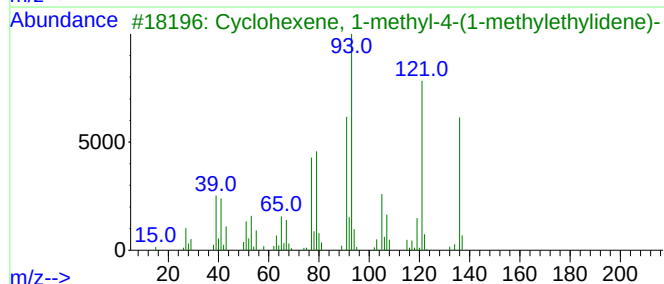
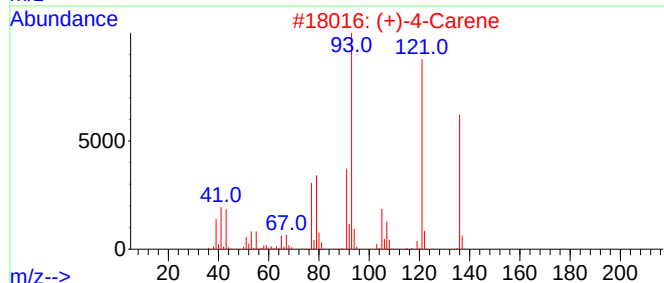
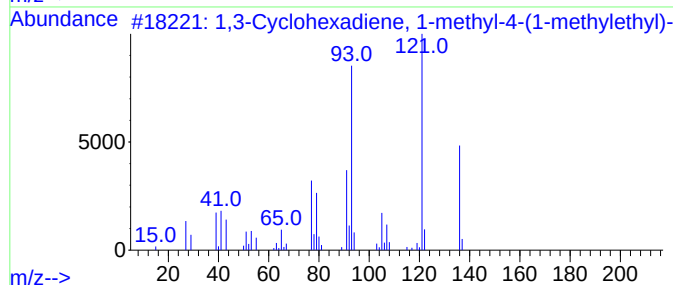
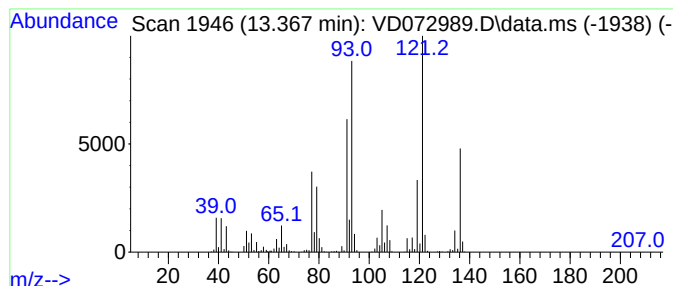
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Peak Number 4 1,3-Cyclohexadiene, 1-methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.367	55.75 ug/l	1448090	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	96
2			(+)-4-Carene	136	C10H16	029050-33-7	96
3			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	95
4			2-Carene	136	C10H16	000554-61-0	93
5			Bicyclo[4.1.0]hept-2-ene, 3,7,7-...	136	C10H16	004497-92-1	90



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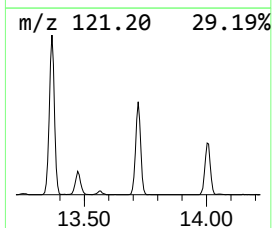
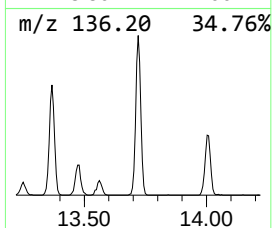
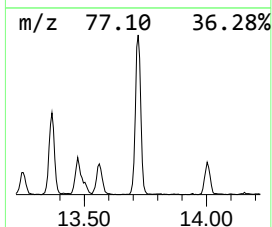
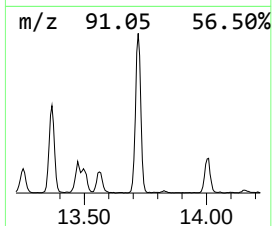
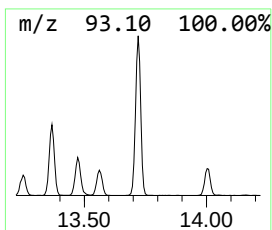
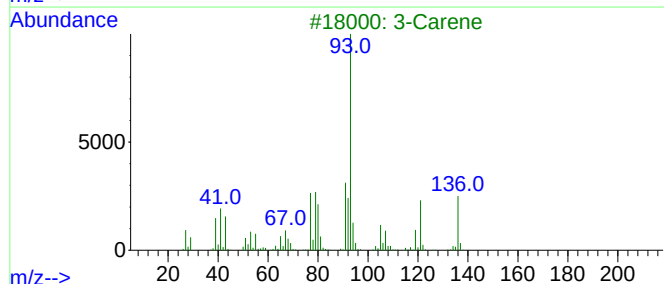
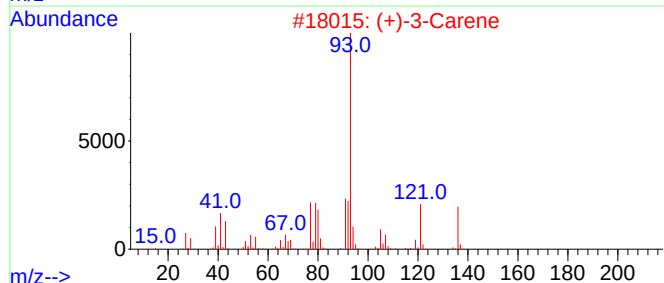
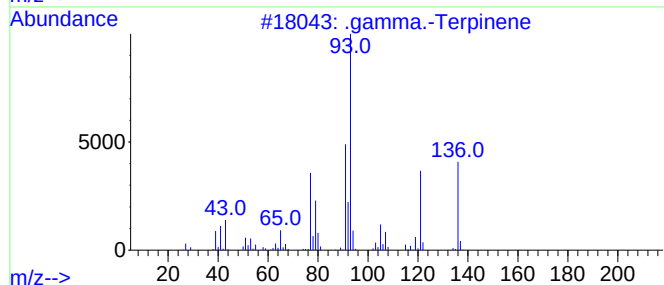
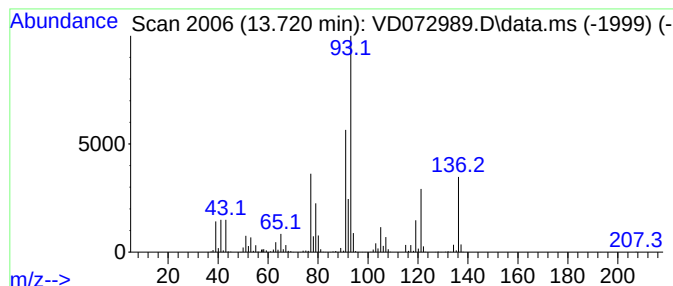
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

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

Peak Number 5 .gamma.-Terpinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.720	82.21 ug/l	2135430	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.gamma.-Terpinene	136	C10H16	000099-85-4	97
2			(+)-3-Carene	136	C10H16	000498-15-7	91
3			3-Carene	136	C10H16	013466-78-9	91
4			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	90
5			(+)-4-Carene	136	C10H16	029050-33-7	86



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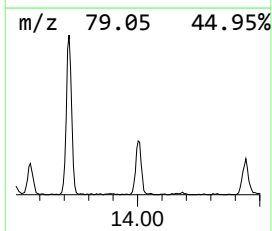
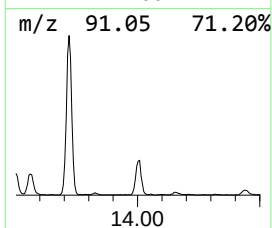
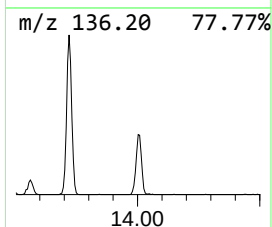
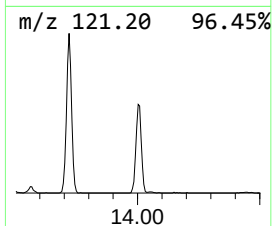
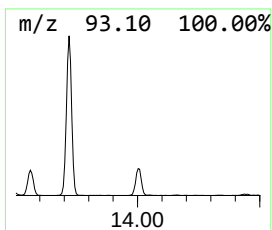
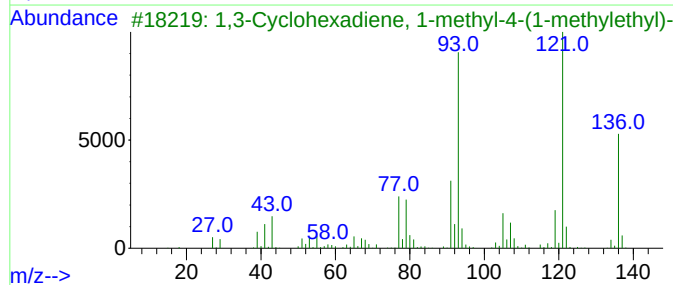
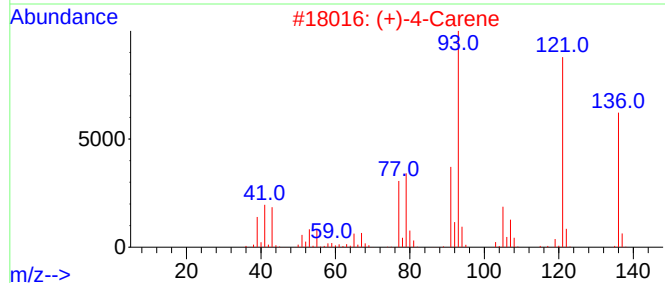
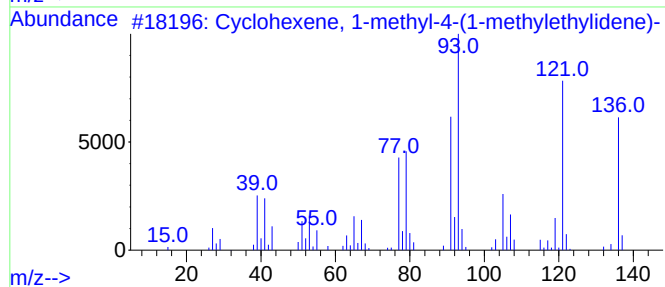
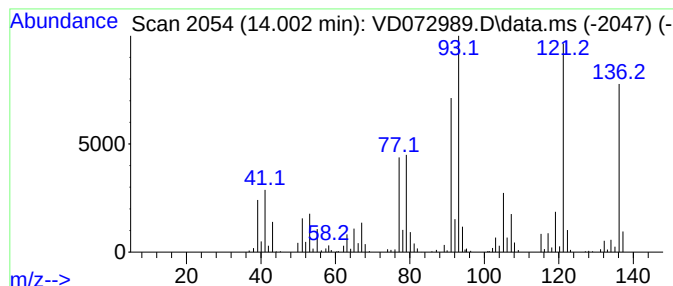
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Quant Title : SW846 8260

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

Peak Number 6 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.002	24.59 ug/l	638686	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	98
2			(+)-4-Carene	136	C10H16	029050-33-7	97
3			1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	96
4			2-Carene	136	C10H16	000554-61-0	94
5			Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
Data File : VD072989.D
Acq On : 13 May 2022 15:01
Operator : VA/SY
Sample : N2826-01
Misc : 5.02 G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

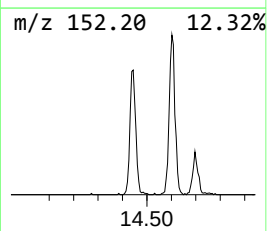
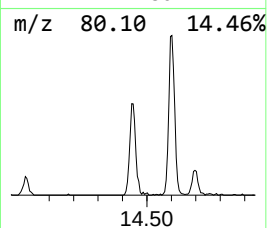
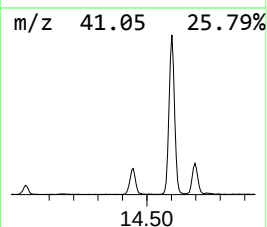
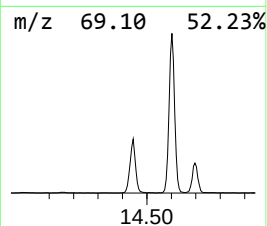
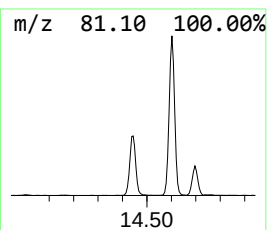
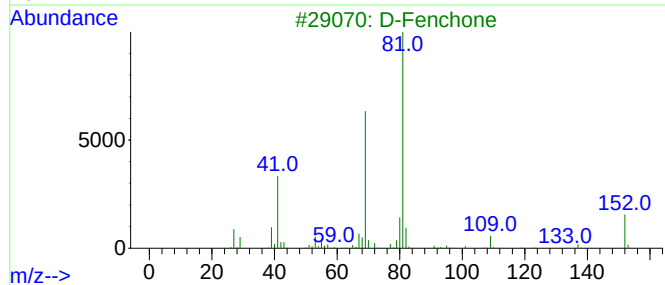
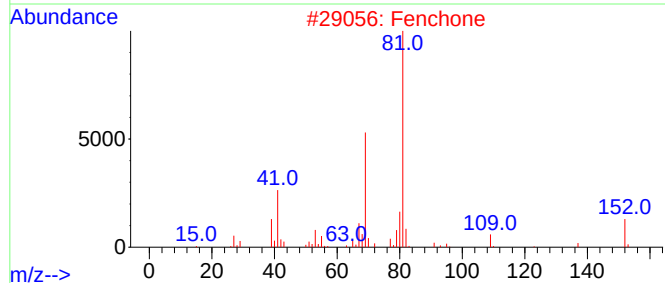
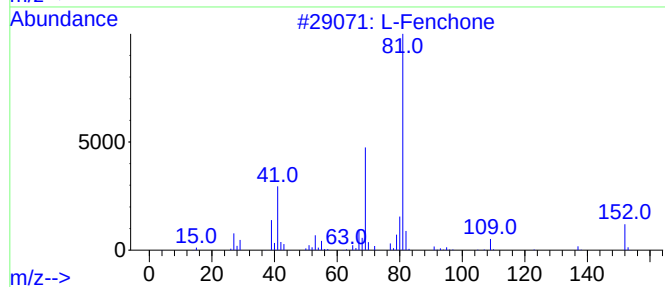
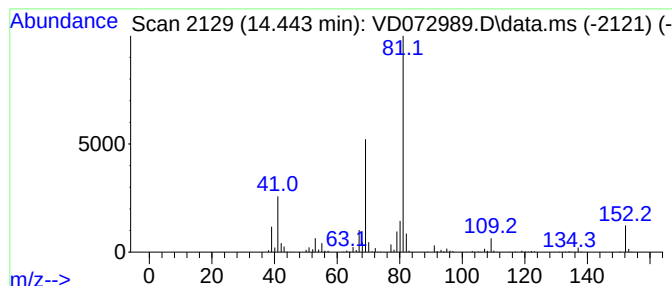
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Quant Title : SW846 8260

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

Peak Number 7 L-Fenchone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.444	32.00 ug/l	831179	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			L-Fenchone	152	C10H16O	007787-20-4	95
2			Fenchone	152	C10H16O	001195-79-5	95
3			D-Fenchone	152	C10H16O	004695-62-9	93
4			1-[4-(4-tert-Butyl-spirocyclohex...	371	C20H28F3NO2	1000301-43-3	50
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
Data File : VD072989.D
Acq On : 13 May 2022 15:01
Operator : VA/SY
Sample : N2826-01
Misc : 5.02 G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

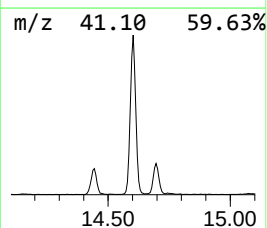
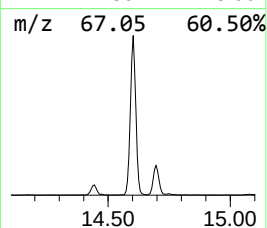
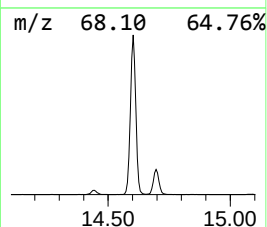
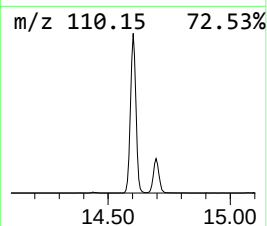
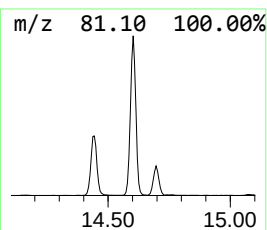
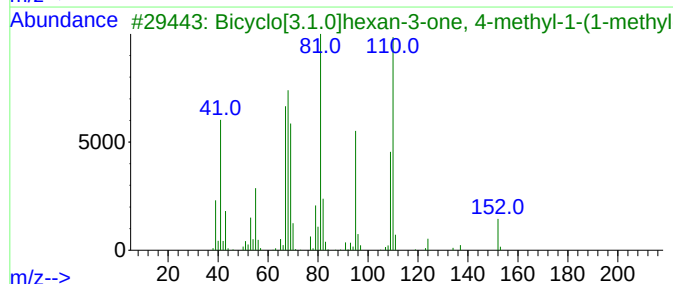
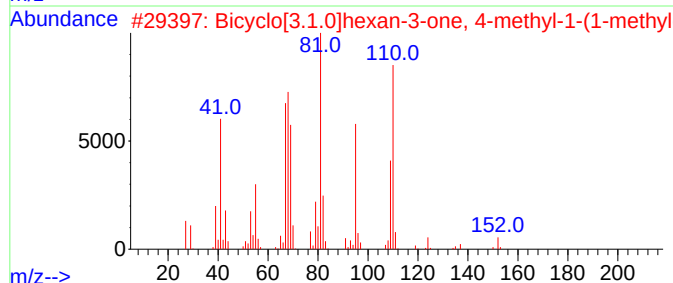
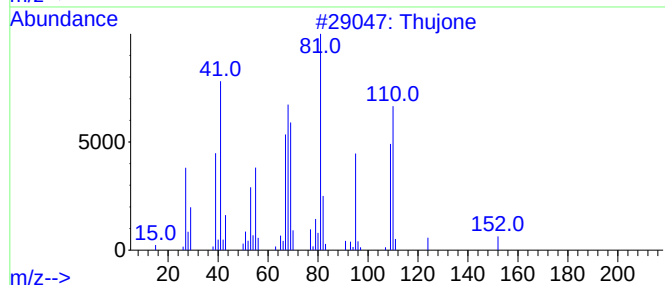
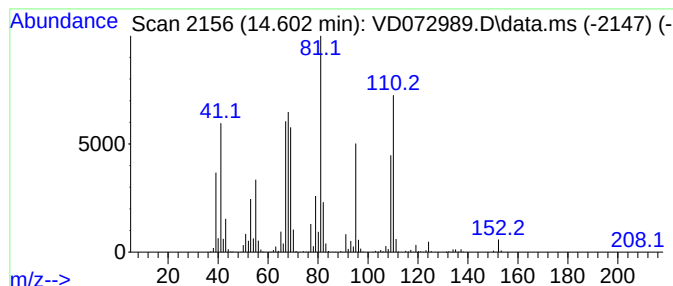
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

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

Peak Number 8 Thujone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	205.27 ug/l	5331960	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Thujone	152	C10H16O	000546-80-5	98
2			Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	001125-12-8	93
3			Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	000471-15-8	87
4			3,5-Octadiene, (Z,Z)-	110	C8H14	007348-80-3	74
5			4-Octyne	110	C8H14	001942-45-6	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
Data File : VD072989.D
Acq On : 13 May 2022 15:01
Operator : VA/SY
Sample : N2826-01
Misc : 5.02 G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

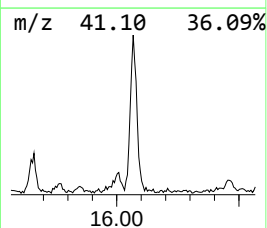
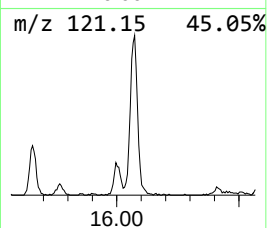
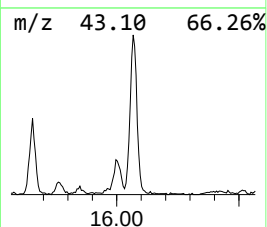
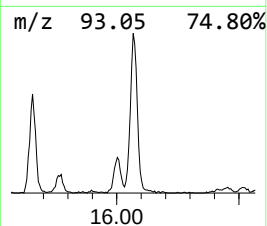
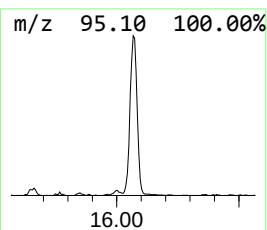
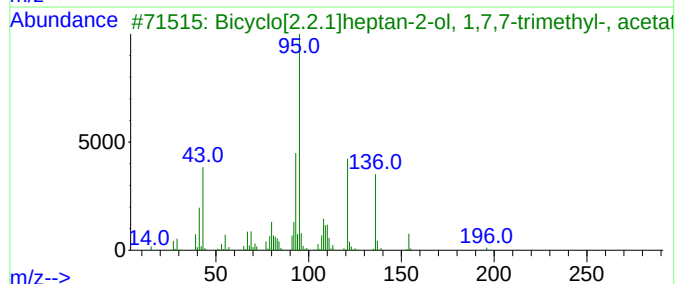
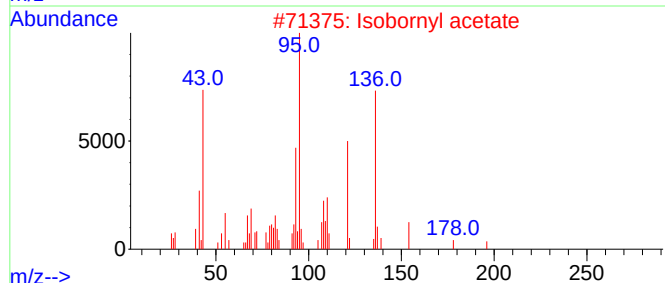
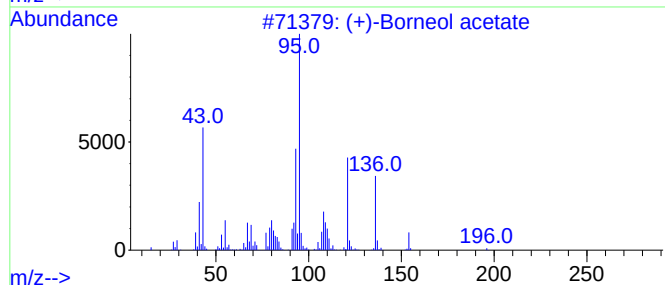
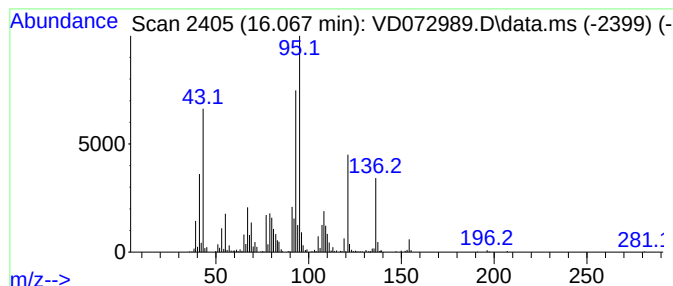
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260

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

Peak Number 10 (+)-Borneol acetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.067	39.06 ug/l	1014620	1,4-Dichlorobenzene-d4	13.561

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		(+)-Borneol acetate	196	C12H20O2	020347-65-3	95
2		Isobornyl acetate	196	C12H20O2	000125-12-2	93
3		Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	196	C12H20O2	005655-61-8	92
4		Acetic acid, 1,7,7-trimethyl-bic...	196	C12H20O2	092618-89-8	92
5		3-Carene	136	C10H16	013466-78-9	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
Data File : VD072989.D
Acq On : 13 May 2022 15:01
Operator : VA/SY
Sample : N2826-01
Misc : 5.02 G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.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
Bicyclo[3.1.0]h...	12.338	59.6	ug/l	1045280	3	11.638	876918	50.0
.alpha.-Pinene	12.473	488.0	ug/l	8558060	3	11.638	876918	50.0
Camphene	12.726	22.1	ug/l	574454	4	13.561	1298740	50.0
1,3-Cyclohexadi...	13.367	55.8	ug/l	1448090	4	13.561	1298740	50.0
.gamma.-Terpinene	13.720	82.2	ug/l	2135430	4	13.561	1298740	50.0
Cyclohexene, 1-...	14.002	24.6	ug/l	638686	4	13.561	1298740	50.0
L-Fenchone	14.444	32.0	ug/l	831179	4	13.561	1298740	50.0
Thujone	14.602	205.3	ug/l	5331960	4	13.561	1298740	50.0
(+)-Borneol ace...	16.067	39.1	ug/l	1014620	4	13.561	1298740	50.0