

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073813.D
 Acq On : 07 Jul 2022 17:28
 Operator : VA/SY
 Sample : N3593-04
 Misc : 8.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220484A-2A

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\82D070622S.M
 Title : SW846 8260

Signal : TIC: VD073813.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.950	3	5	10	rVB	16694	17647	2.41%	0.352%
2	2.309	62	66	67	rBV	8377	8713	1.19%	0.174%
3	2.338	67	71	78	rVB2	15253	25568	3.50%	0.510%
4	3.020	181	187	194	rBV4	11166	21517	2.94%	0.429%
5	3.385	243	249	251	rBV4	4416	7326	1.00%	0.146%
6	4.156	371	380	390	rBV2	11536	33076	4.53%	0.659%
7	4.403	412	422	433	rBV2	32149	90670	12.41%	1.807%
8	4.950	506	515	517	rBV5	7271	14785	2.02%	0.295%
9	5.044	526	531	541	rVB5	5420	17012	2.33%	0.339%
10	5.985	687	691	701	rVB5	3627	8940	1.22%	0.178%
11	7.208	893	899	911	rVB5	5455	15390	2.11%	0.307%
12	7.908	1008	1018	1023	rBV	93988	220659	30.19%	4.399%
13	7.967	1023	1028	1039	rVB2	128755	285252	39.03%	5.686%
14	8.326	1078	1089	1098	rBV	95985	217438	29.75%	4.335%
15	8.503	1113	1119	1125	rVB5	4583	9810	1.34%	0.196%
16	8.855	1170	1179	1188	rBV	227925	470279	64.35%	9.375%
17	10.332	1423	1430	1438	rBV	379226	672009	91.96%	13.396%
18	10.944	1526	1534	1540	rBV	7421	16115	2.21%	0.321%
19	11.232	1580	1583	1585	rBV4	9612	9499	1.30%	0.189%
20	11.338	1599	1601	1607	rVB7	6324	8048	1.10%	0.160%
21	11.549	1635	1637	1638	rBV2	8053	7409	1.01%	0.148%
22	11.638	1645	1652	1673	rVB	347851	730787	100.00%	14.568%
23	11.832	1681	1685	1687	rBV4	8390	11833	1.62%	0.236%
24	12.361	1768	1775	1783	rVB7	28128	77615	10.62%	1.547%
25	12.455	1789	1791	1798	rVB8	17466	24866	3.40%	0.496%
26	12.620	1812	1819	1825	rBV2	349684	617050	84.44%	12.301%
27	12.714	1831	1835	1841	rVB4	47637	84082	11.51%	1.676%
28	12.867	1855	1861	1865	rBV5	27575	64719	8.86%	1.290%
29	13.261	1926	1928	1932	rBV5	15111	25204	3.45%	0.502%
30	13.485	1964	1966	1972	rVV7	18566	24299	3.33%	0.484%
31	13.561	1973	1979	1986	rVB	340157	565573	77.39%	11.274%
32	13.702	1999	2003	2007	rBV6	26963	44961	6.15%	0.896%
33	14.267	2097	2099	2106	rVB8	26610	42876	5.87%	0.855%
34	14.385	2116	2119	2124	rBV5	46321	66790	9.14%	1.331%
35	14.673	2164	2168	2172	rBV6	22203	41772	5.72%	0.833%
36	14.861	2196	2200	2205	rVB5	47917	83597	11.44%	1.666%

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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_D\Method\82D070622S.M
Title : SW846 8260

37	15.261	2264	2268	2277	rVB7	37793	76350	10.45%	1.522%
38	15.414	2290	2294	2300	rBV7	26103	62699	8.58%	1.250%
39	15.590	2320	2324	2331	rBV8	30986	70120	9.60%	1.398%
40	15.761	2349	2353	2360	rVB5	61423	124039	16.97%	2.473%

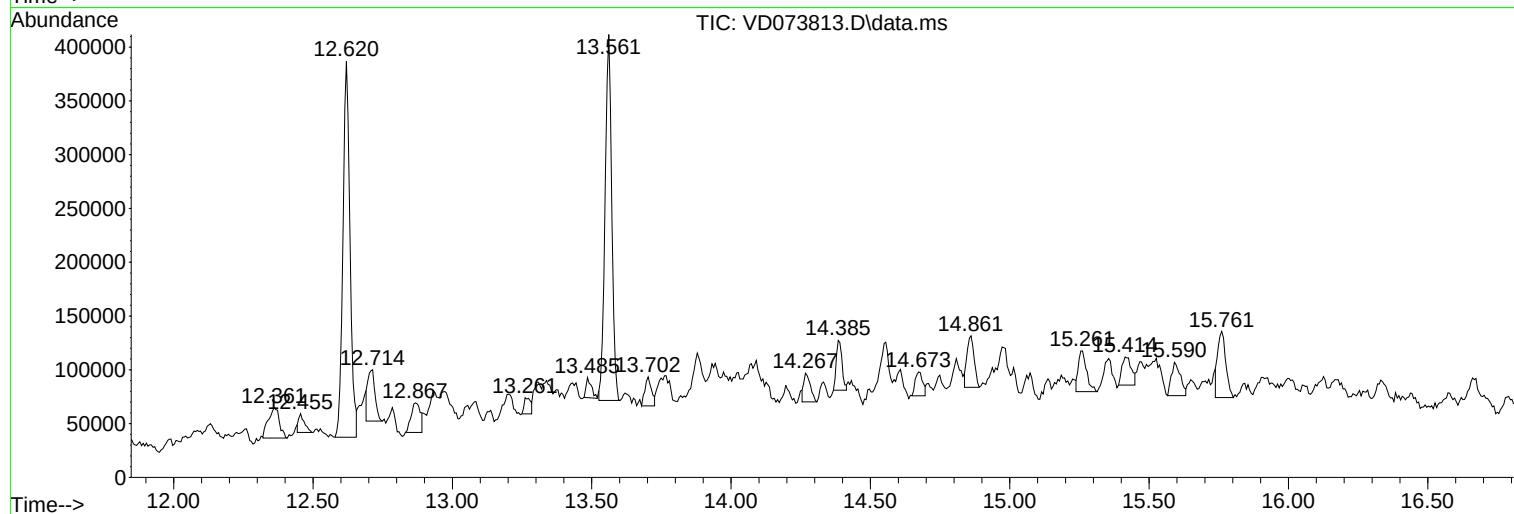
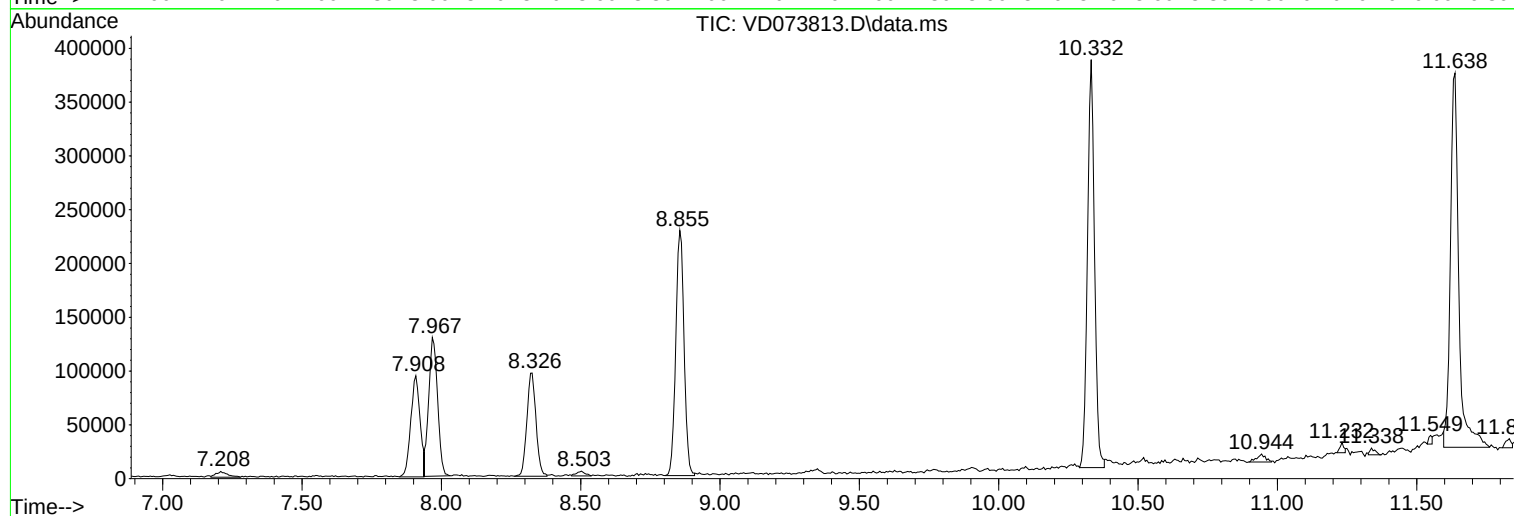
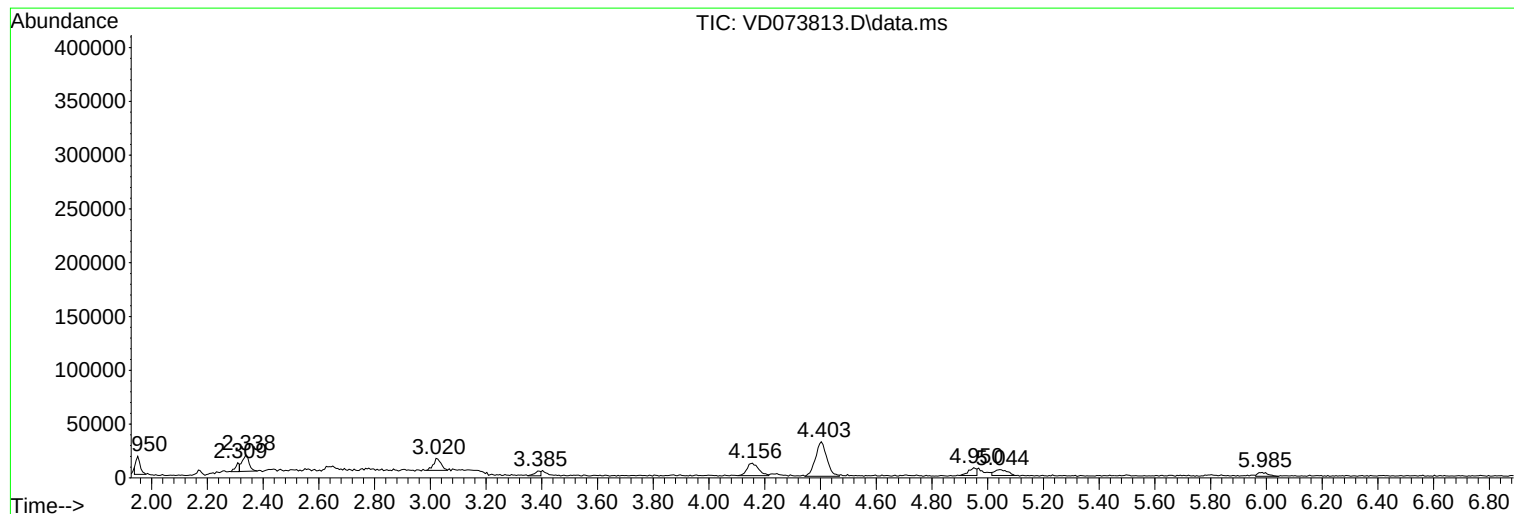
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
Quant Title : SW846 8260

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



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20220484A-2A

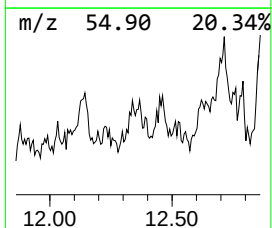
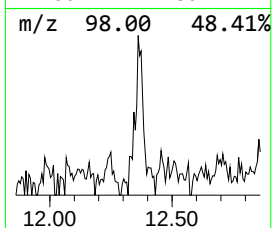
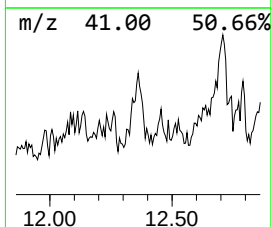
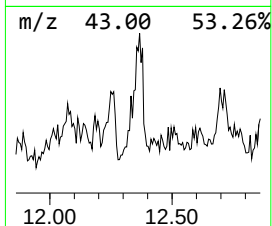
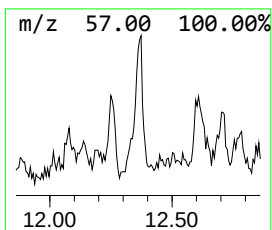
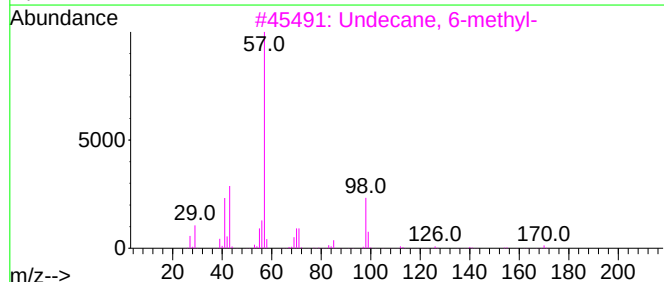
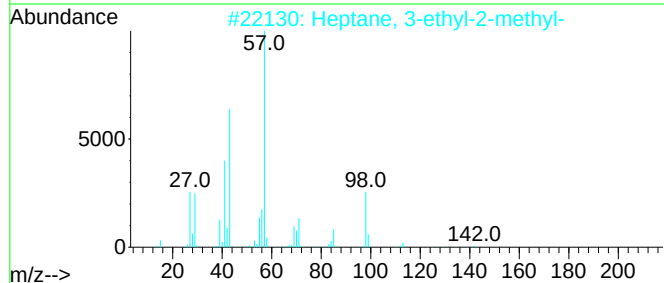
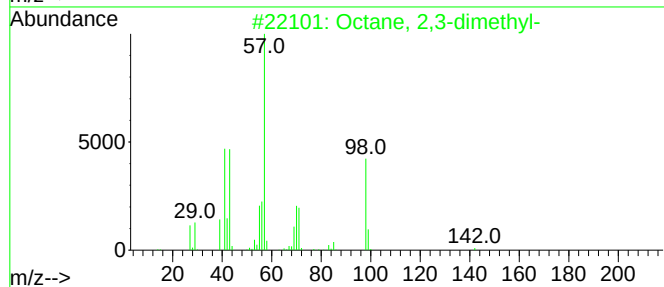
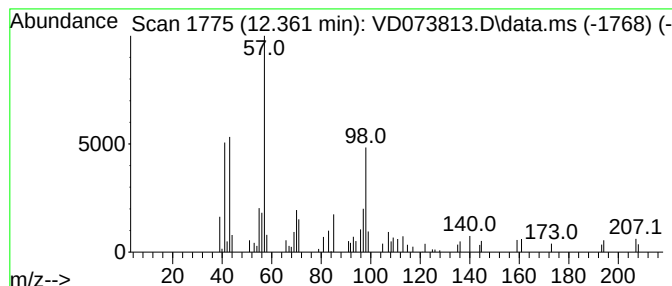
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown12.361 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	5.31 ug/l	77615	Chlorobenzene-d5	11.638

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
3			Undecane, 6-methyl-	170	C12H26	017302-33-9	43
4			1,2-Cyclohexanol diacetate, cis-	200	C10H16O4	002396-76-1	38
5			Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	37



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Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

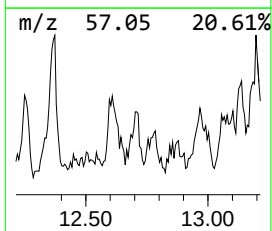
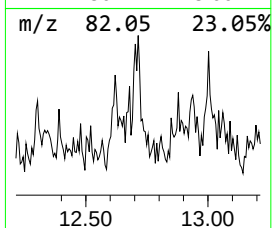
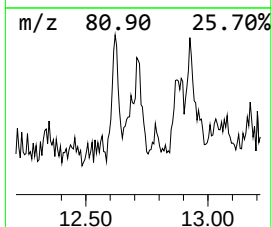
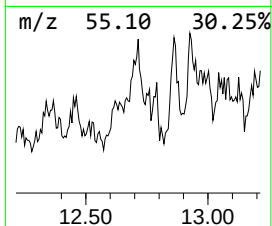
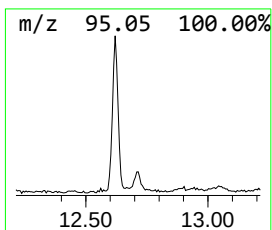
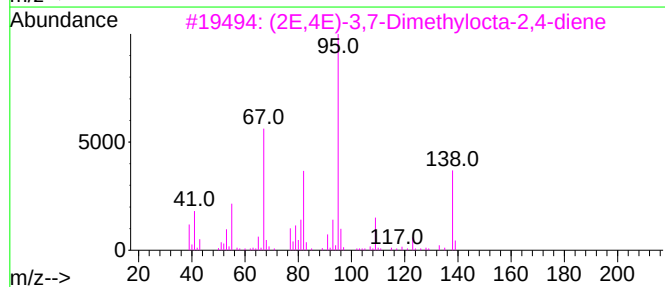
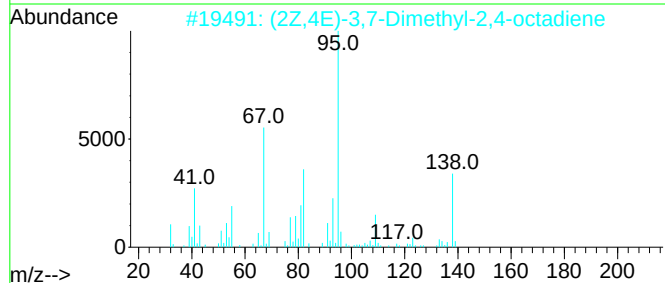
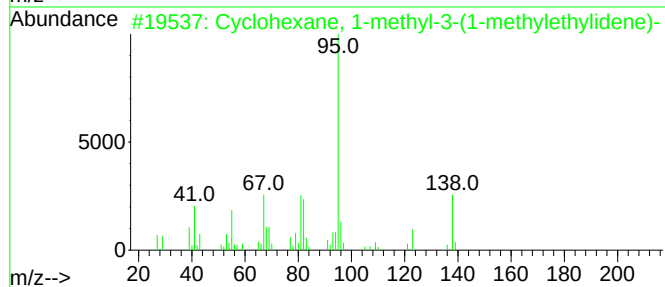
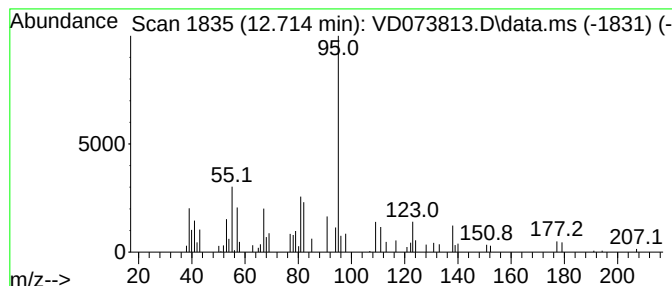
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
Quant Title : SW846 8260

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

Peak Number 2 Cyclohexane, 1-methyl-3-(1-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.714	7.43 ug/l	84082	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	013828-34-7	80
2			(2Z,4E)-3,7-Dimethyl-2,4-octadiene	138	C10H18	1000374-08-4	74
3			(2E,4E)-3,7-Dimethylocta-2,4-diene	138	C10H18	006874-39-1	72
4			Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	68
5			Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	58



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ClientSampleId :
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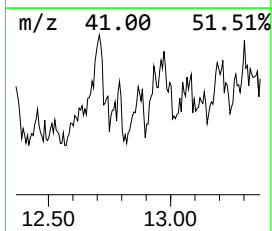
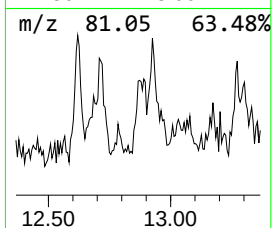
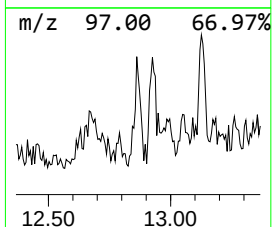
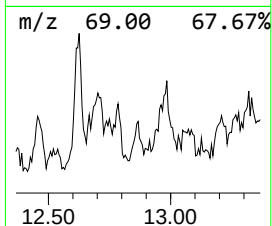
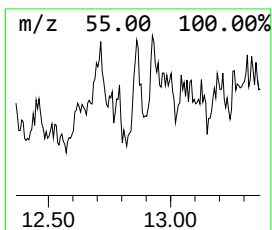
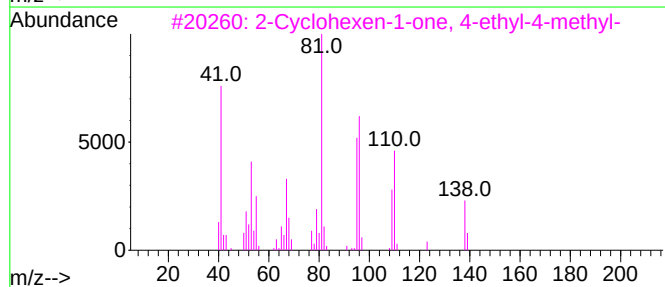
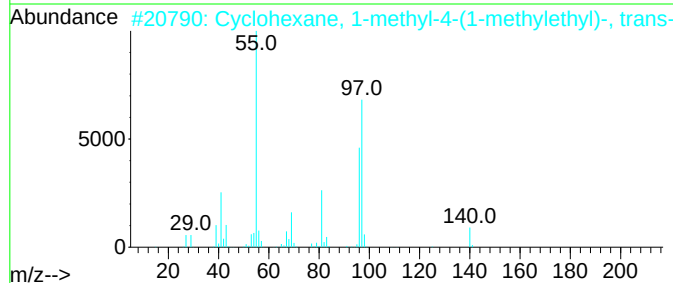
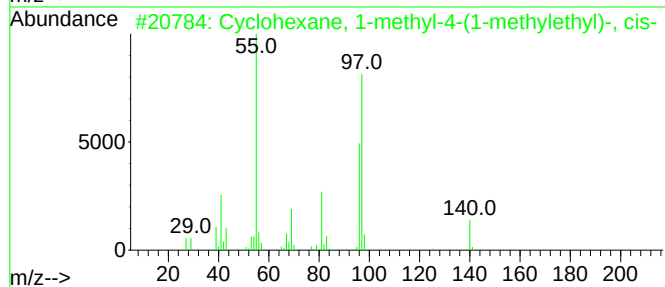
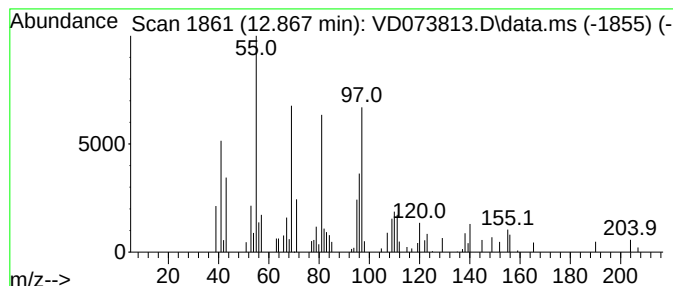
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
Quant Title : SW846 8260

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

Peak Number 3 unknown12.867 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	5.72 ug/l	64719	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
3			2-Cyclohexen-1-one, 4-ethyl-4-me...	138	C9H14O	017429-32-2	42
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38
5			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	38



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ClientSampleId :
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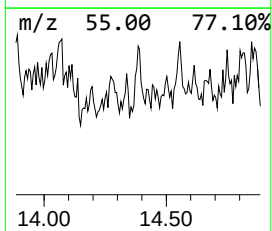
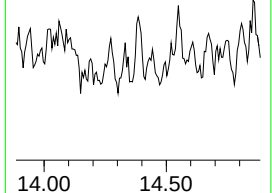
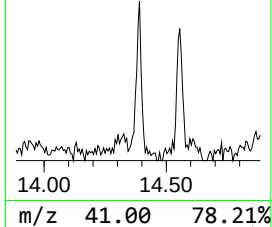
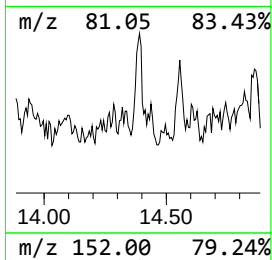
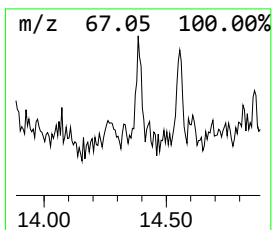
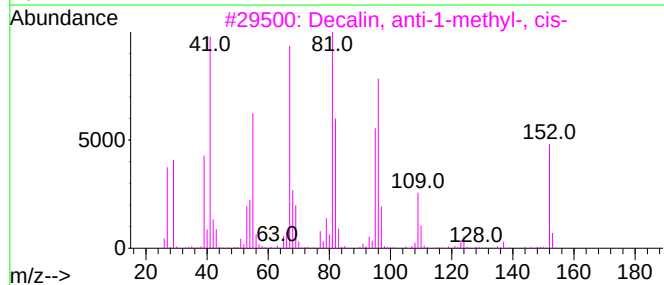
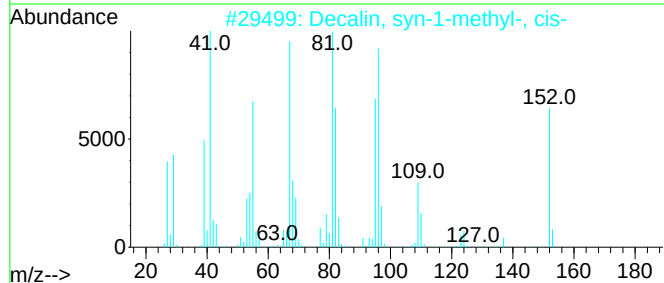
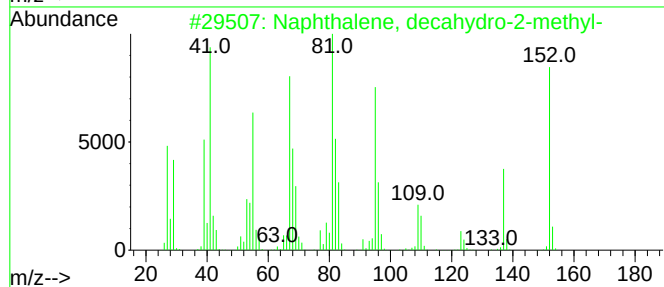
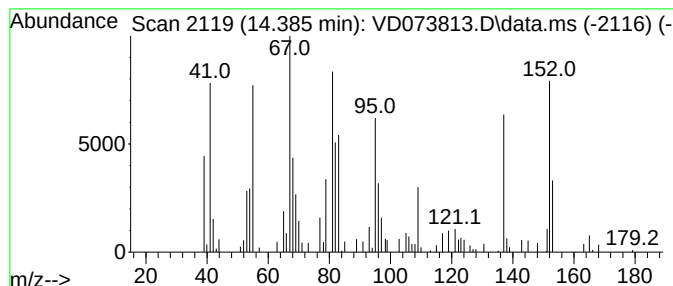
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
Quant Title : SW846 8260

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

Peak Number 4 Naphthalene, decahydro-2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	5.90 ug/l	66790	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
2			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	70
3			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	70
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	70
5			Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	58



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Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

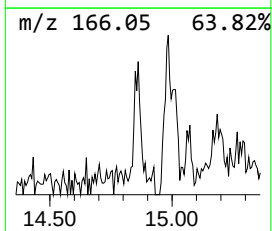
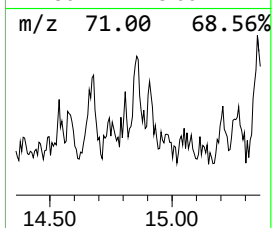
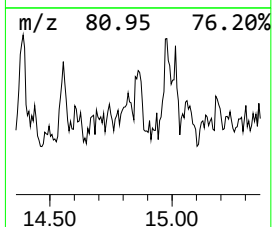
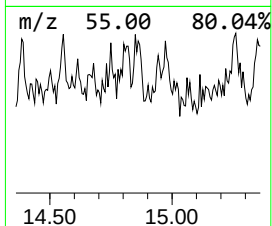
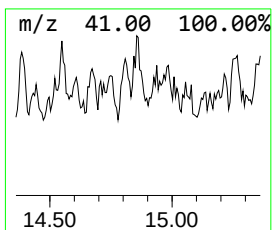
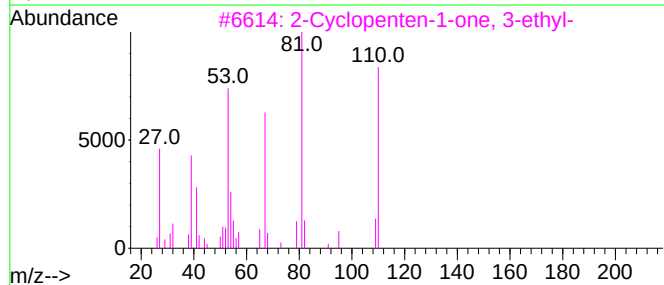
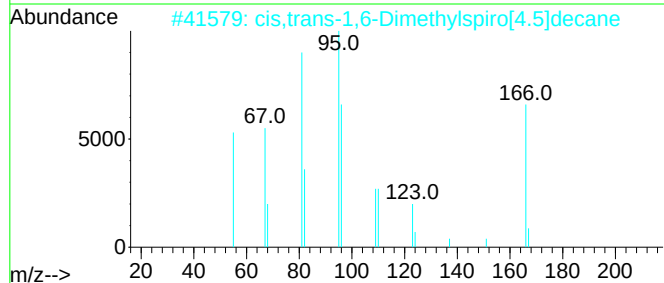
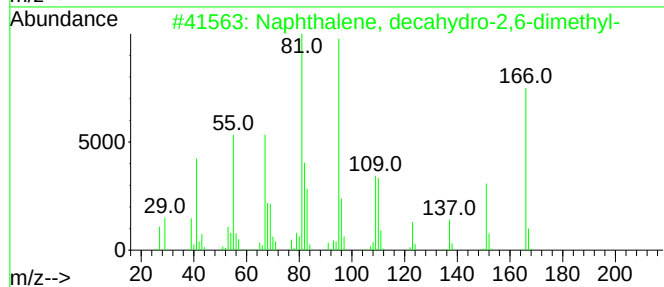
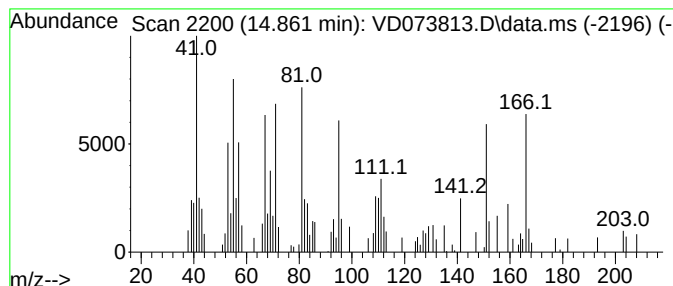
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Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, decahydro-2,6-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.861	7.39 ug/l	83597	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	89
2			cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	53
3			2-Cyclopenten-1-one, 3-ethyl-	110	C7H10O	005682-69-9	43
4			Naphthalene, decahydro-1,2-dimet...	166	C12H22	003604-14-6	38
5			cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
Data File : VD073813.D
Acq On : 07 Jul 2022 17:28
Operator : VA/SY
Sample : N3593-04
Misc : 8.11G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

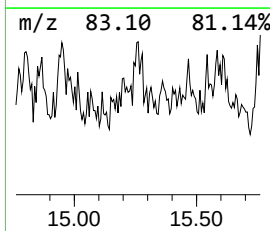
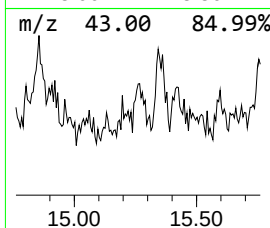
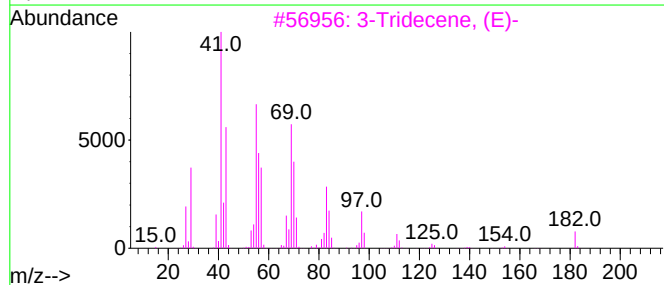
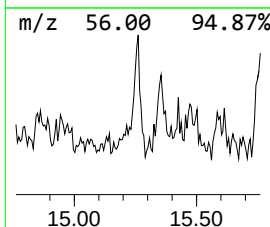
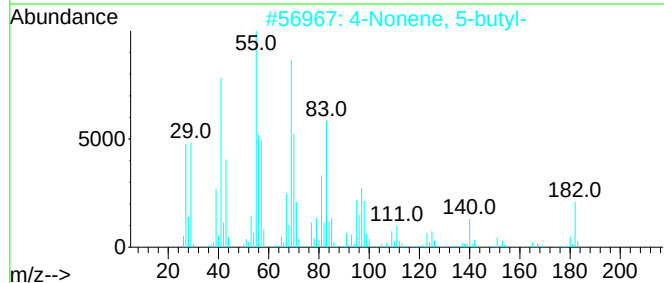
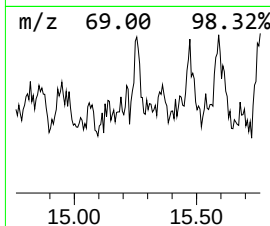
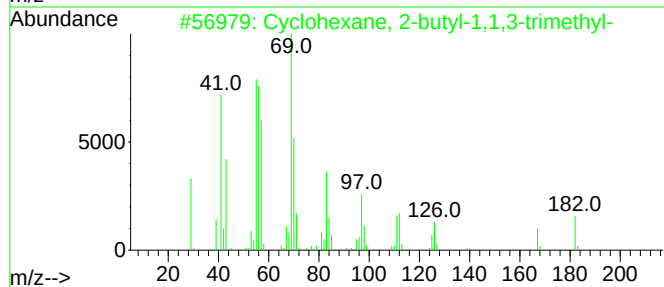
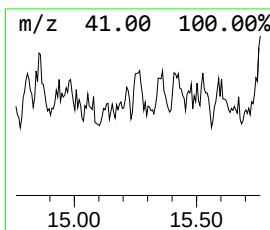
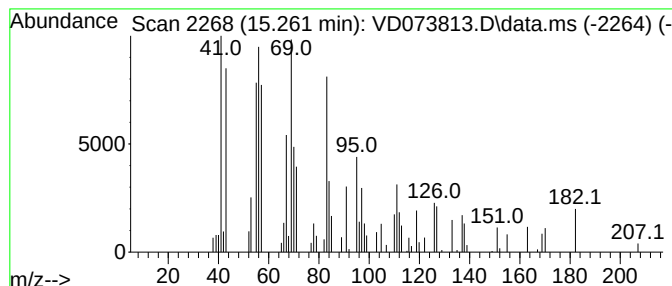
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Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.261	6.75 ug/l	76350	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	55
2			4-Nonene, 5-butyl-	182	C13H26	007367-38-6	52
3			3-Tridecene, (E)-	182	C13H26	041446-57-5	49
4			6-Tridecene, (Z)-	182	C13H26	006508-77-6	49
5			Cyclopentane, butyl-	126	C9H18	002040-95-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
Data File : VD073813.D
Acq On : 07 Jul 2022 17:28
Operator : VA/SY
Sample : N3593-04
Misc : 8.11G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

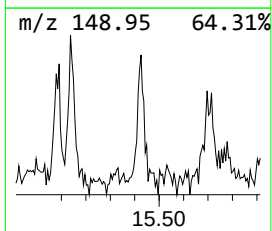
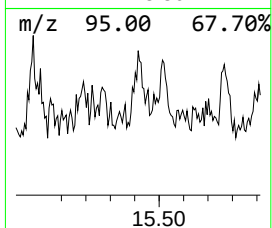
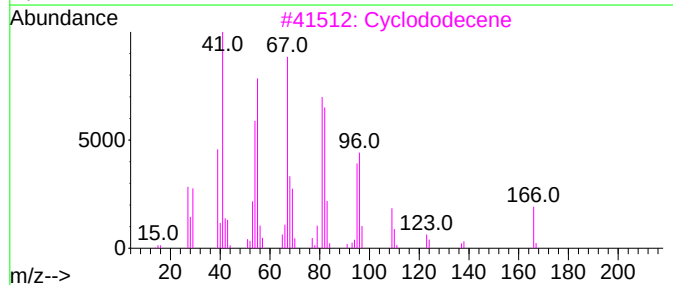
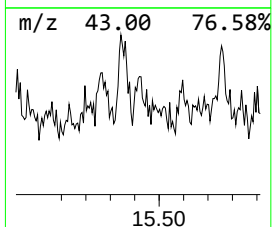
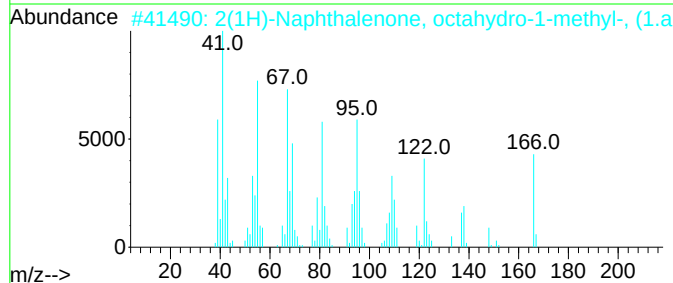
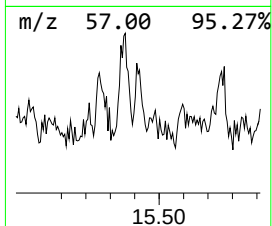
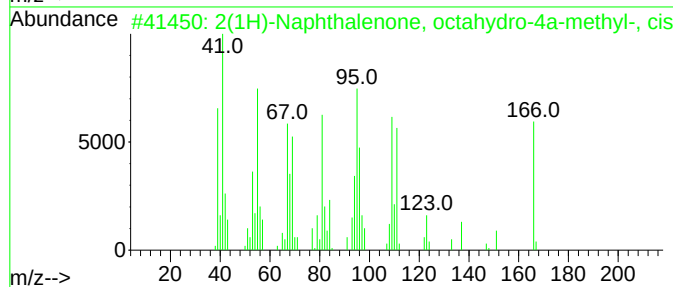
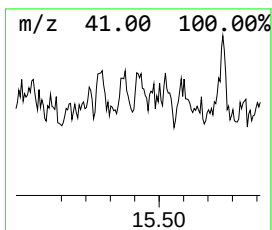
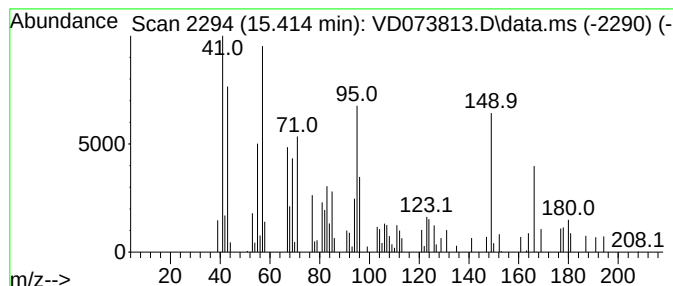
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ClientSampleId :
20220484A-2A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
Quant Title : SW846 8260

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

Peak Number 7 unknown15.414 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.414	5.54 ug/l	62699	1,4-Dichlorobenzene-d4	13.561	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-4...	166	C11H18O	000938-06-7	46
2	2(1H)-Naphthalenone, octahydro-1...	166	C11H18O	021102-88-5	30
3	Cyclododecene	166	C12H22	001501-82-2	27
4	Dodecanal	184	C12H24O	000112-54-9	27
5	1,7-Dodecadiene	166	C12H22	1000130-72-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
Data File : VD073813.D
Acq On : 07 Jul 2022 17:28
Operator : VA/SY
Sample : N3593-04
Misc : 8.11G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

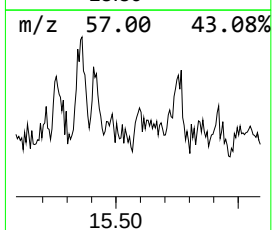
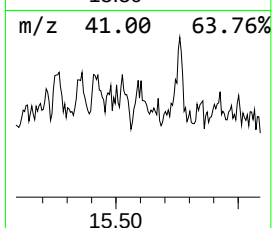
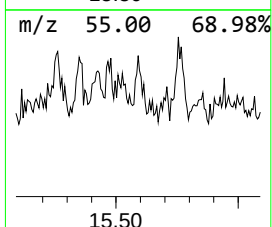
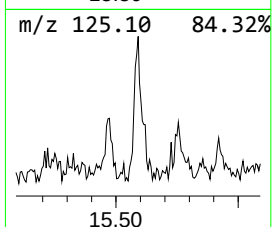
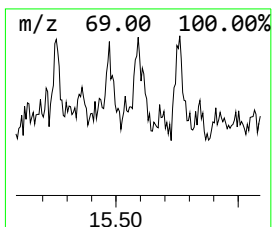
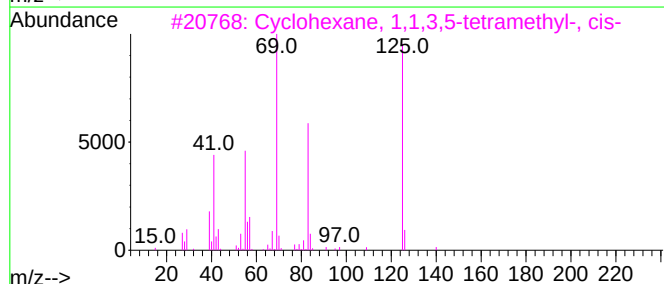
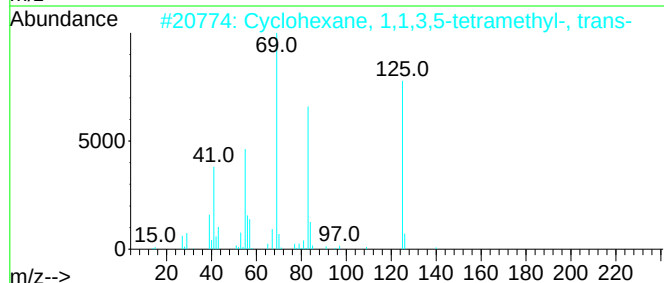
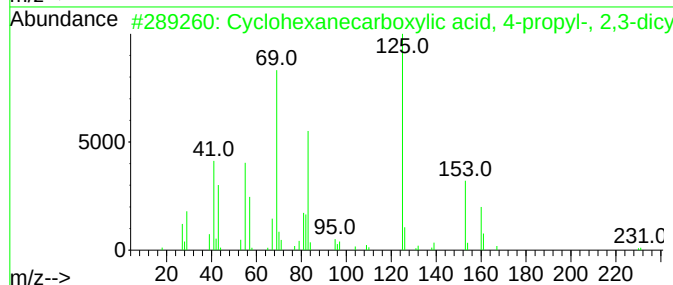
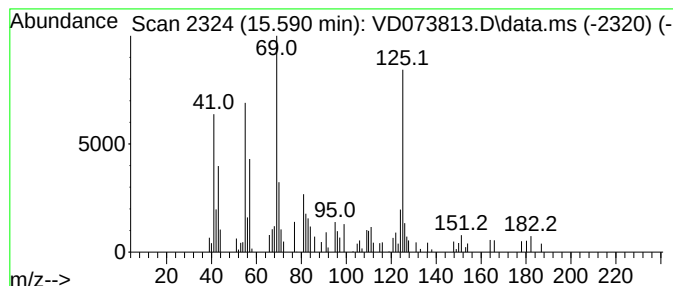
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20220484A-2A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
Quant Title : SW846 8260

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

Peak Number 8 Cyclohexanecarboxylic acid,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.590	6.20 ug/l	70120	1,4-Dichlorobenzene-d4	13.561	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanecarboxylic acid, 4-pr...	382	C23H30N2O3	075941-50-3	53
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	50
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	50
4	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	38
5	4,4,8-Trimethyl-non-5-enal	182	C12H22O	066822-00-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
Data File : VD073813.D
Acq On : 07 Jul 2022 17:28
Operator : VA/SY
Sample : N3593-04
Misc : 8.11G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

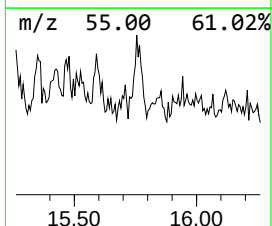
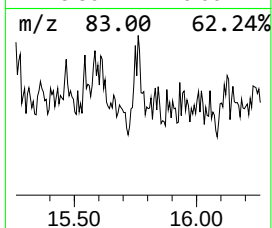
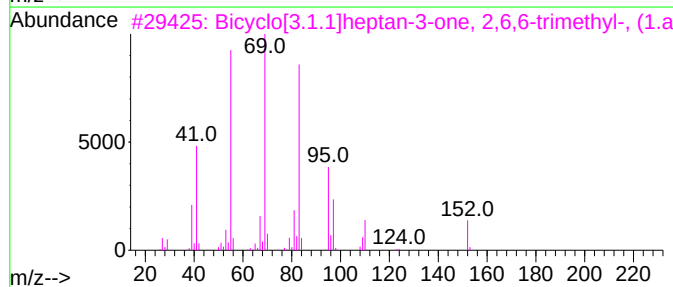
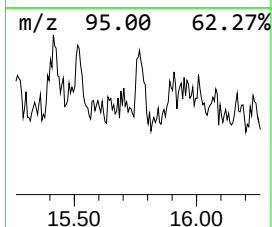
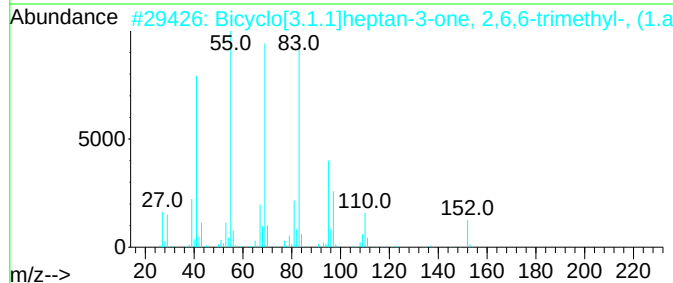
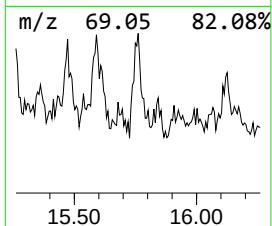
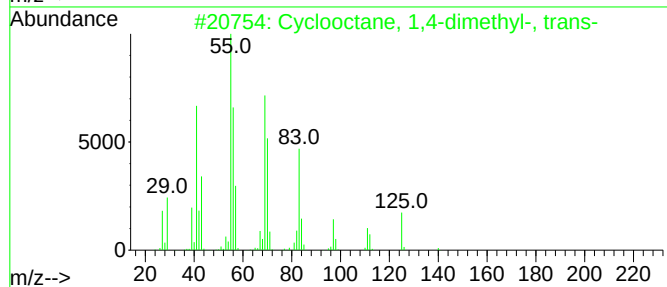
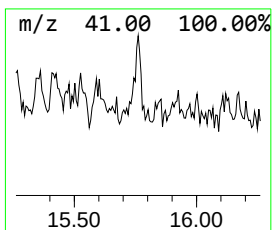
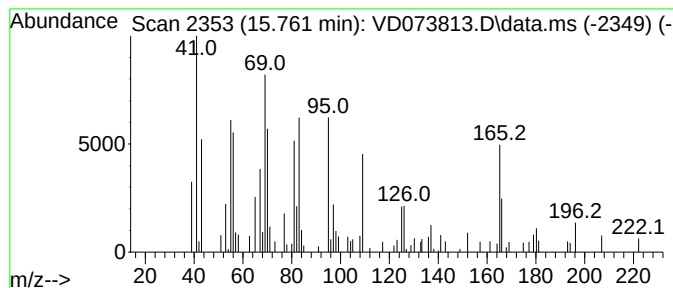
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Quant Title : SW846 8260

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

Peak Number 9 Cyclooctane, 1,4-dimethyl-,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.761	10.97 ug/l	124039	1,4-Dichlorobenzene-d4	13.561

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	50
2			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	43
3			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	43
4			6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	42
5			3-Tetradecene, (E)-	196	C14H28	041446-68-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
Data File : VD073813.D
Acq On : 07 Jul 2022 17:28
Operator : VA/SY
Sample : N3593-04
Misc : 8.11G/5.00ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20220484A-2A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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					#	RT	Resp	Conc
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Cyclohexane, 1-...	12.714	7.4	ug/l	84082	4	13.561	565573	50.0
unknown12.867	12.867	5.7	ug/l	64719	4	13.561	565573	50.0
Naphthalene, de...	14.385	5.9	ug/l	66790	4	13.561	565573	50.0
Naphthalene, de...	14.861	7.4	ug/l	83597	4	13.561	565573	50.0
Cyclohexane, 2-...	15.261	6.8	ug/l	76350	4	13.561	565573	50.0
unknown15.414	15.414	5.5	ug/l	62699	4	13.561	565573	50.0
Cyclohexanecarb...	15.590	6.2	ug/l	70120	4	13.561	565573	50.0
Cyclooctane, 1,...	15.761	11.0	ug/l	124039	4	13.561	565573	50.0