LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : NAPL-07-(22-24)

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\82D090821S.M
Title : SW846 8260

Signal : TIC: VD070385.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.415	415	424	436	rVB3	12937	37995	1.88%	0.231%
2	4.968	509	518	528	rVB4	14705	45545	2.25%	0.277%
3	7.209	888	899	911	rBV2	43940	122949	6.08%	0.747%
4	7.914	1008	1019	1024	rBV	207951	506313	25.02%	3.076%
5	7.973	1024	1029	1039	rVB	286972	636627	31.46%	3.868%
6	8.326	1080	1089	1100	rBV	192352	445556	22.02%	2.707%
7	8.861	1170	1180	1190	rBV	477567	966036	47.75%	5.869%
8	9.108	1213	1222	1231	rVB4	38026	78522	3.88%	0.477%
9	10.338	1422	1431	1439	rBV	810691	1480691	73.18%	8.996%
10	10.873	1515	1522	1532	rBV	367441	665784	32.91%	4.045%
11	11.050	1547	1552	1560	rBV6	9656	21957	1.09%	0.133%
12	11.238	1579	1584	1590	rVB2	55663	100270	4.96%	0.609%
13	11.350	1597	1603	1607	rBV6	19804	36286	1.79%	0.220%
14	11.420	1607	1615	1616	rVV4	20006	43968	2.17%	0.267%
15	11.444	1616	1619	1626	rVB3	41381	73906	3.65%	0.449%
16	11.520	1626	1632	1642	rVB2	25497	50782	2.51%	0.309%
17	11.638	1643	1652	1661	rBV	1001185	1744126	86.20%	10.596%
18	11.767	1669	1674	1679	rBV2	36360	65423	3.23%	0.397%
19	11.826	1679	1684	1688	rBV5	32107	59633	2.95%	0.362%
20	11.885	1688	1694	1698	rBV2	86624	166000	8.20%	1.009%
21	11.926	1698	1701	1706	rVB2	57132	93958	4.64%	0.571%
22	12.067	1719	1725	1731	rVB3	73446	129546	6.40%	0.787%
23	12.144	1731	1738	1744	rBV3	224661	505936	25.01%	3.074%
24	12.261	1750	1758	1762	rVB	230128	401109	19.82%	2.437%
25	12.344	1762	1772	1774	rBV5	164131	412078	20.37%	2.504%
26	12.373	1774	1777	1784	rVB2	179992	436214	21.56%	2.650%
27	12.514	1794	1801	1805	rBV5	106299	248370	12.28%	1.509%
28	12.620	1813	1819	1826	rBV	1022295	1721009	85.06%	10.456%
29	12.708	1827	1834	1839	rBV7	84303	193081	9.54%	1.173%
30	12.785	1843	1847	1854	rVB4	206451	402499	19.89%	2.445%
31	12.873	1854	1862	1865	rBV4	100129	225278	11.13%	1.369%
32	12.949	1867	1875	1880	rVV4	263830	617311	30.51%	3.750%
33	13.002	1880	1884	1889	rVB3	126976	212891	10.52%	1.293%
34	13.085	1894	1898	1902	rBV3	116219	163787	8.10%	0.995%
35	13.138	1902	1907	1909	rBV3	98908	161695	7.99%	0.982%
36	13.173	1909	1913	1921	rVB2	209917	337639	16.69%	2.051%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : NAPL-07-(22-24)

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\82D090821S.M
Title : SW846 8260

37	13.302	1931	1935	1939	rVB2	57393	79179	3.91%	0.481%
38	13.385	1946	1949	1954	rVB4	54545	72917	3.60%	0.443%
39	13.455	1954	1961	1965	rVV3	154317	306057	15.13%	1.859%
40	13.491	1965	1967	1972	rVV4	61466	88344	4.37%	0.537%
41	13.561	1973	1979	1988	rVB	1205602	2023288	100.00%	12.292%
42	13.885	2029	2034	2039	rBV3	79075	141221	6.98%	0.858%
43	13.991	2047	2052	2057	rBV8	12812	22700	1.12%	0.138%
44	14.102	2066	2071	2076	rVB8	28152	55722	2.75%	0.339%
45	14.273	2094	2100	2106	rVB10	17678	32449	1.60%	0.197%
46	14.396	2116	2121	2122	rBV5	18921	27002	1.33%	0.164%

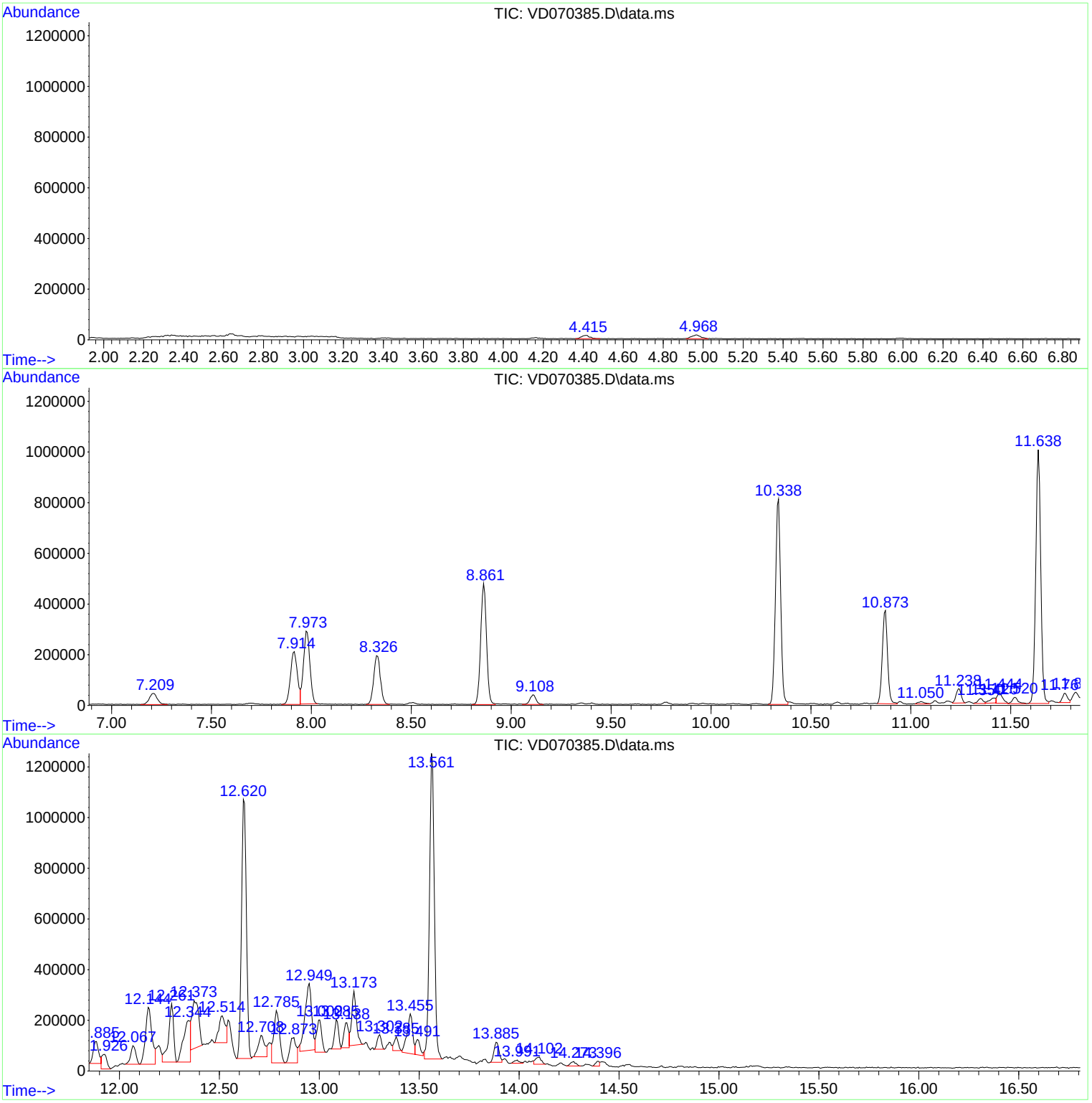
Sum of corrected areas: 16459649

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

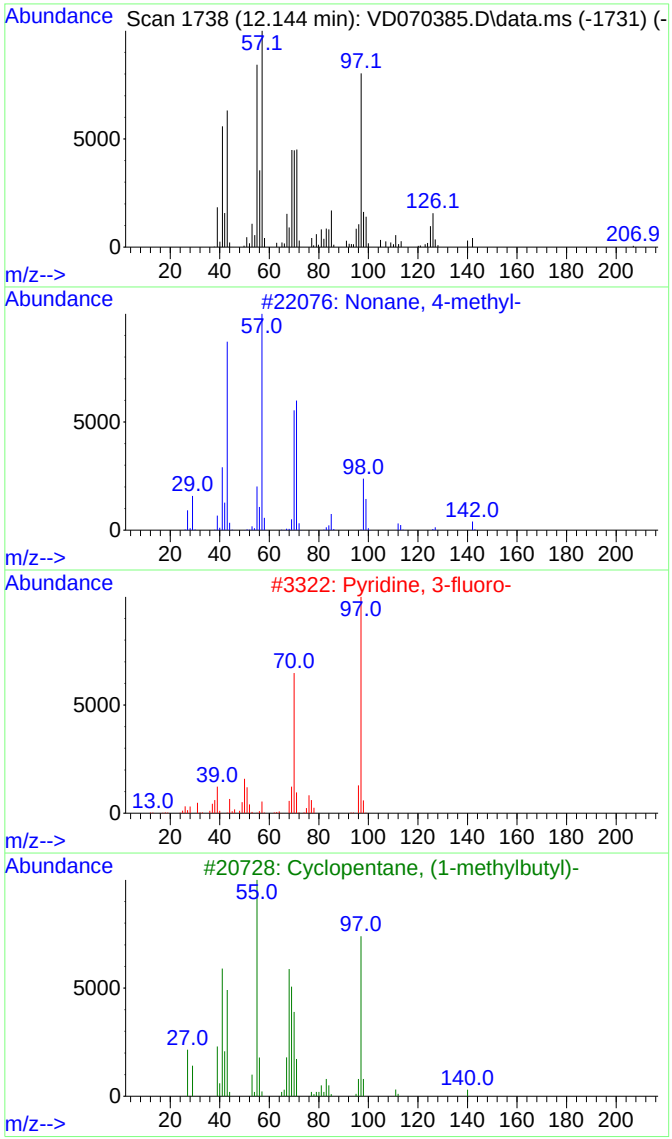
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

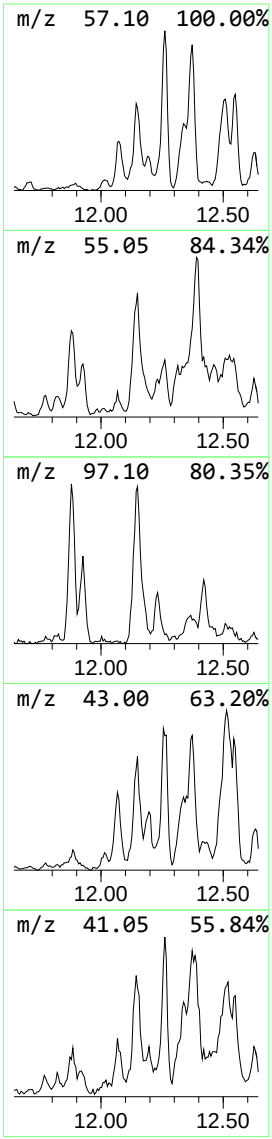
****

Peak Number 1 Nonane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.144	14.50 ug/l	505936	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	50
2	Pyridine, 3-fluoro-	97	C5H4FN	000372-47-4	46
3	Cyclopentane, (1-methylbutyl)-	140	C10H20	004737-43-3	45
4	5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	38
5	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

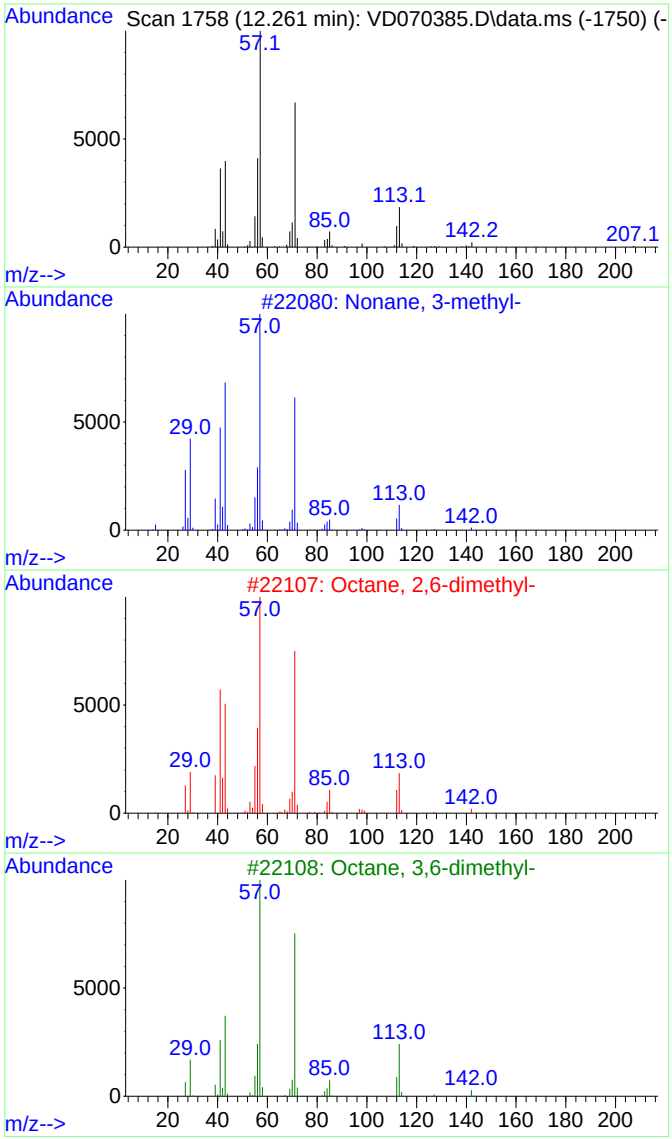
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

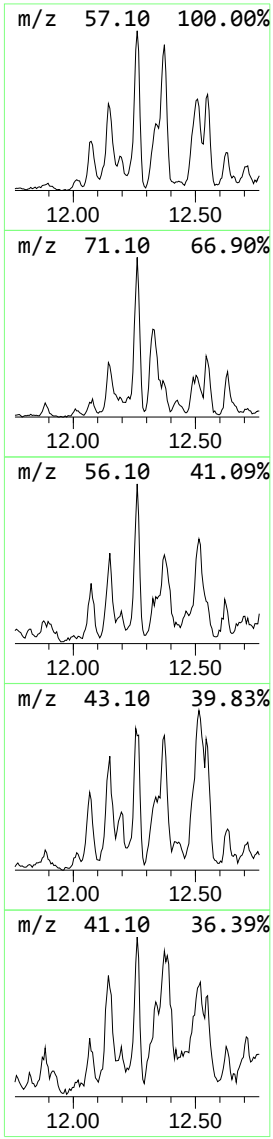
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.261	11.50 ug/l	401109	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	81
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
5	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

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

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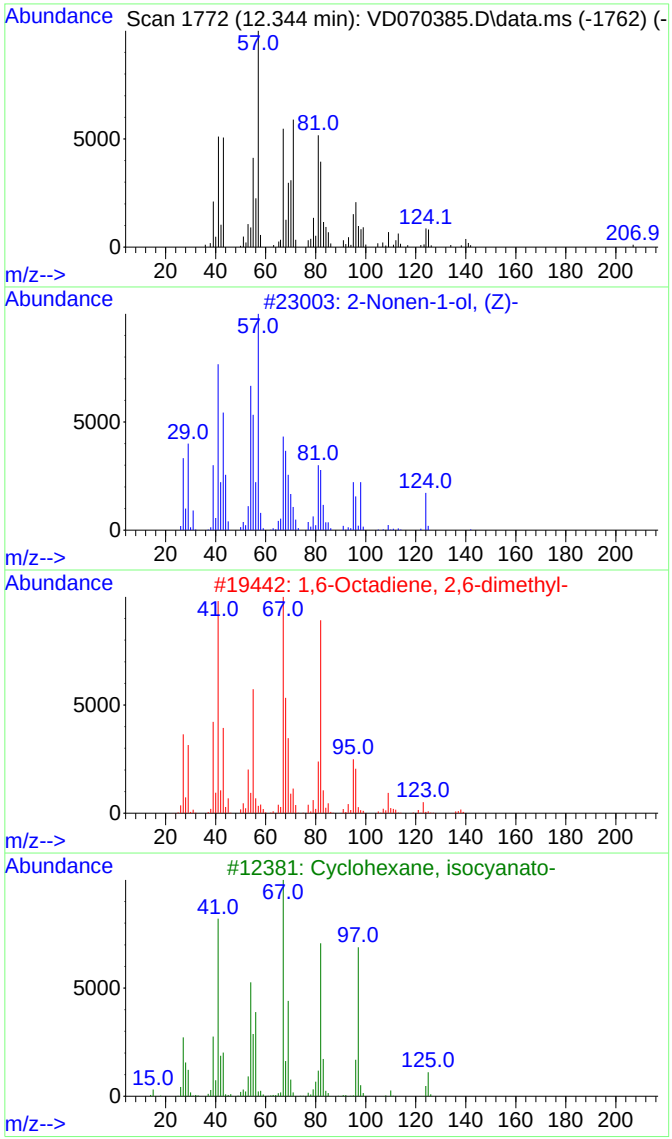
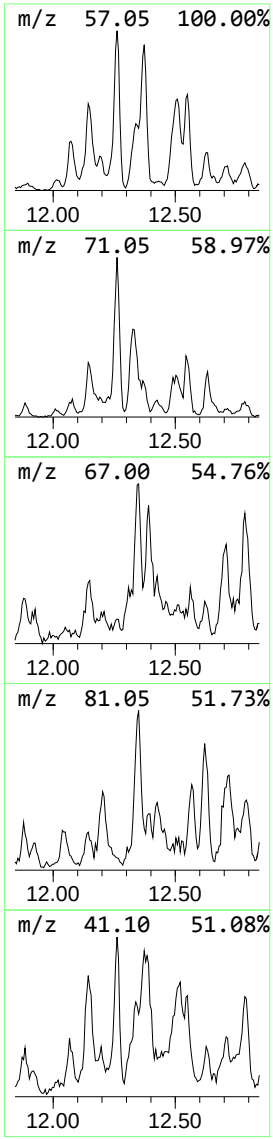
Peak Number 3 unknown12.344 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.344	11.81 ug/l	412078	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonen-1-ol, (Z)-	142	C9H18O	041453-56-9	46
2	1,6-Octadiene, 2,6-dimethyl-	138	C10H18	031222-43-2	38
3	Cyclohexane, isocyanato-	125	C7H11NO	003173-53-3	30
4	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	30
5	2-Propen-1-amine, N-2-propenyl-	97	C6H11N	000124-02-7	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

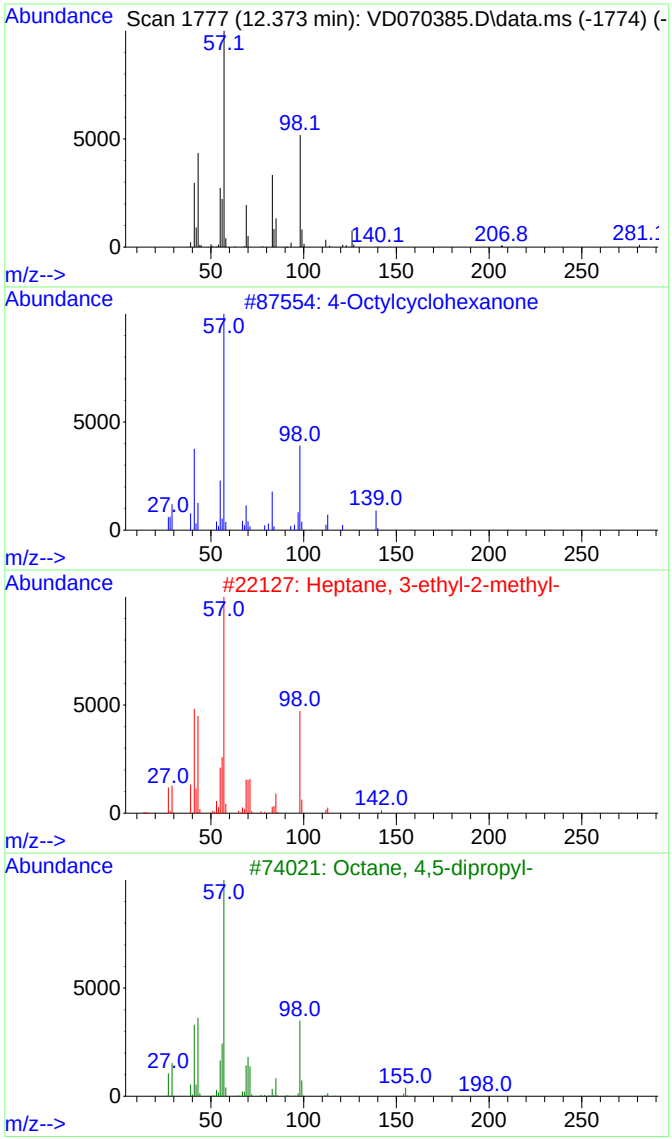
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

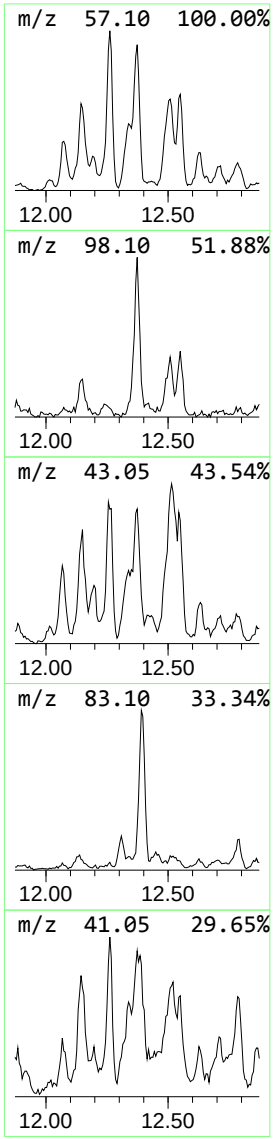
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4-Octylcyclohexanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.373	12.51 ug/l	436214	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octylcyclohexanone	210	C14H26O	1000428-94-1	50
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
3	Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	45
4	Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	38
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

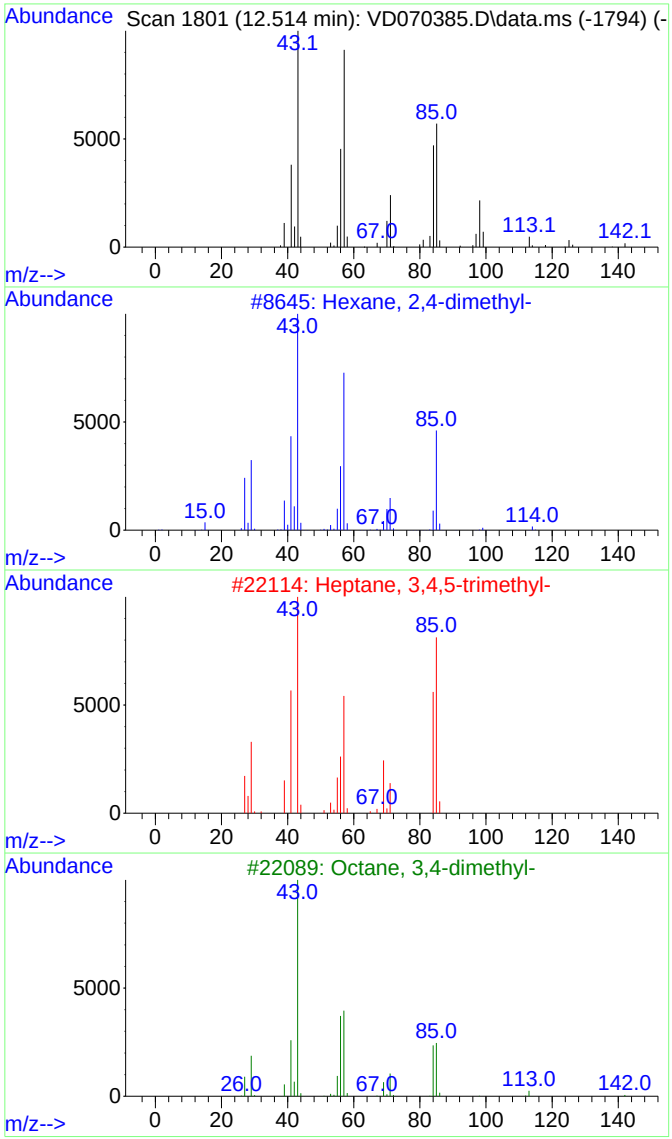
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

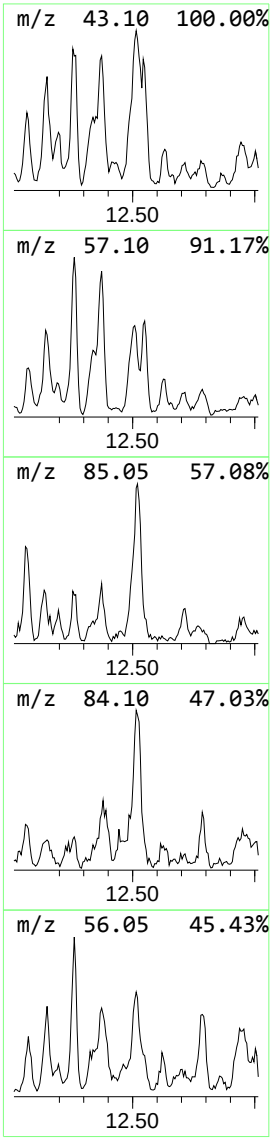
****

Peak Number 5 Hexane, 2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.514	7.12 ug/l	248370	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	49
4	Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	47
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : NAPL-07-(22-24)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

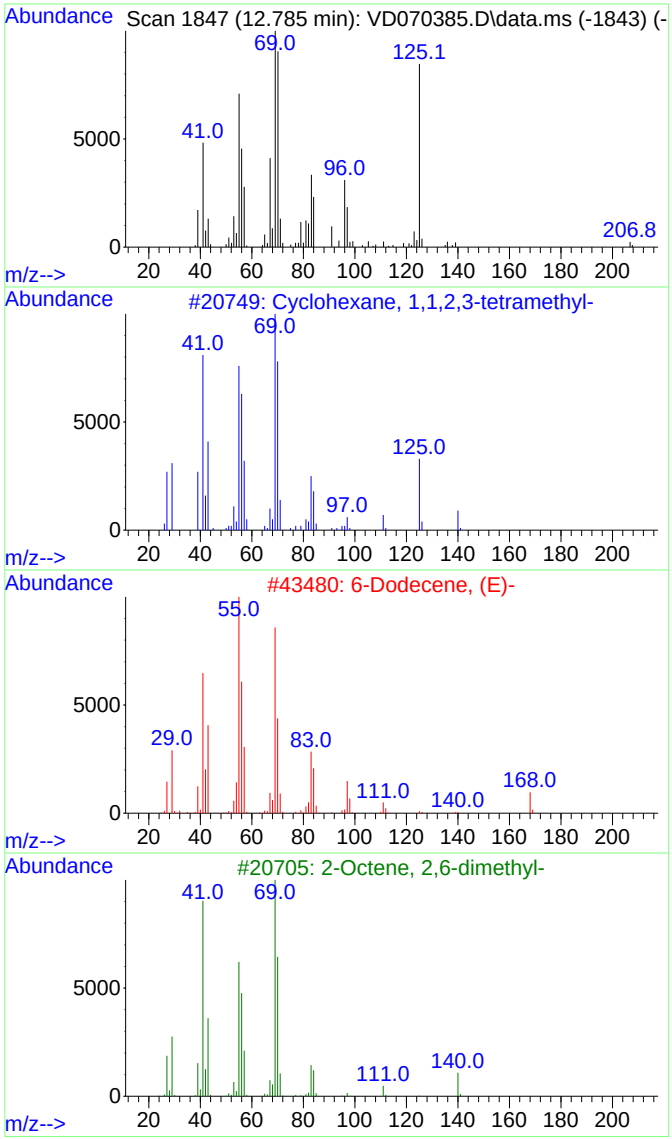
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

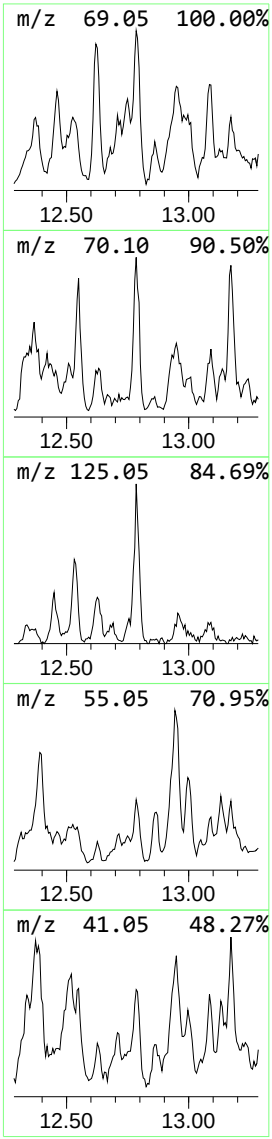
****

Peak Number 6 unknown12.785 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.785	9.95 ug/l	402499	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	47
2	6-Dodecene, (E)-	168	C12H24	007206-17-9	43
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	35
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

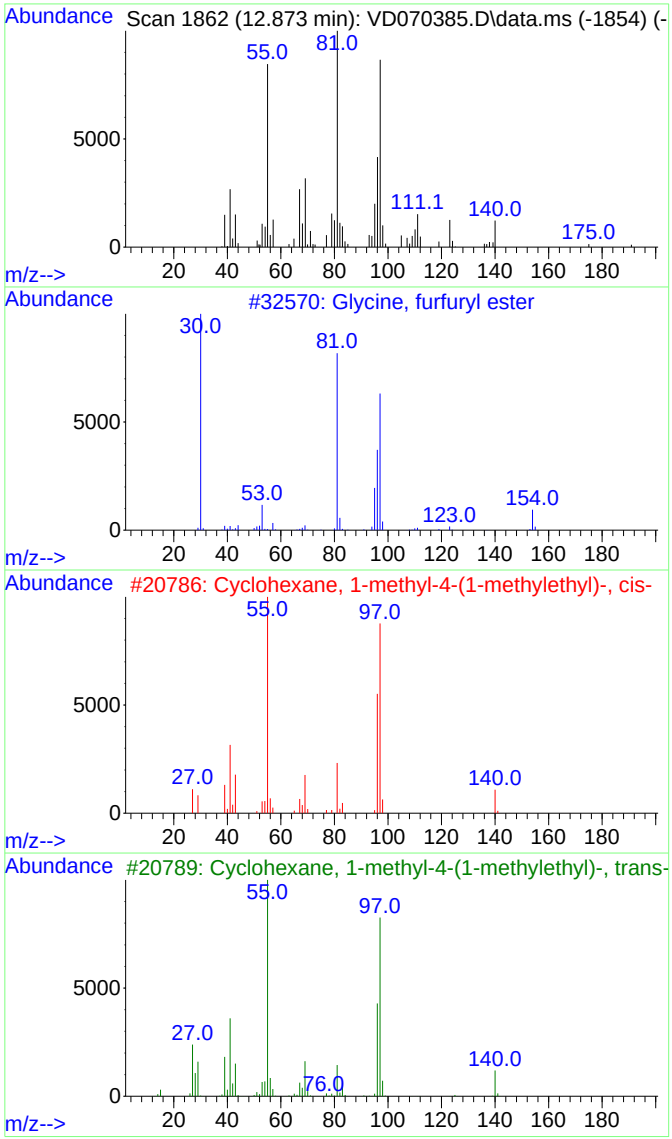
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

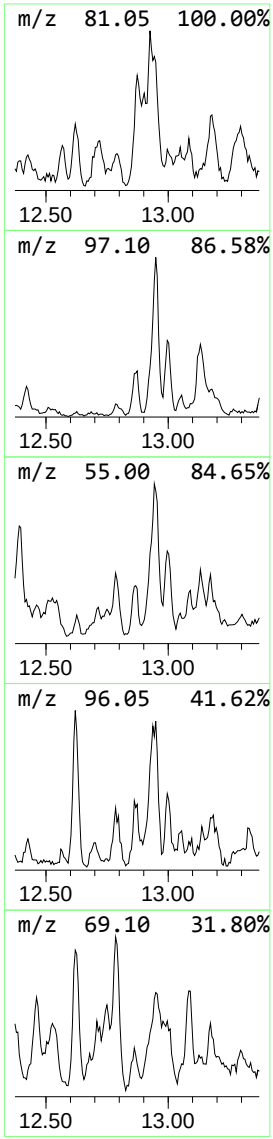
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Glycine, furfuryl ester Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.873	5.57 ug/l	225278	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glycine, furfuryl ester	155	C7H9NO3	1000306-78-7	64
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
4	Aziridine, 1-(2-methyl-1-propenyl)-	97	C6H11N	080839-93-6	43
5	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

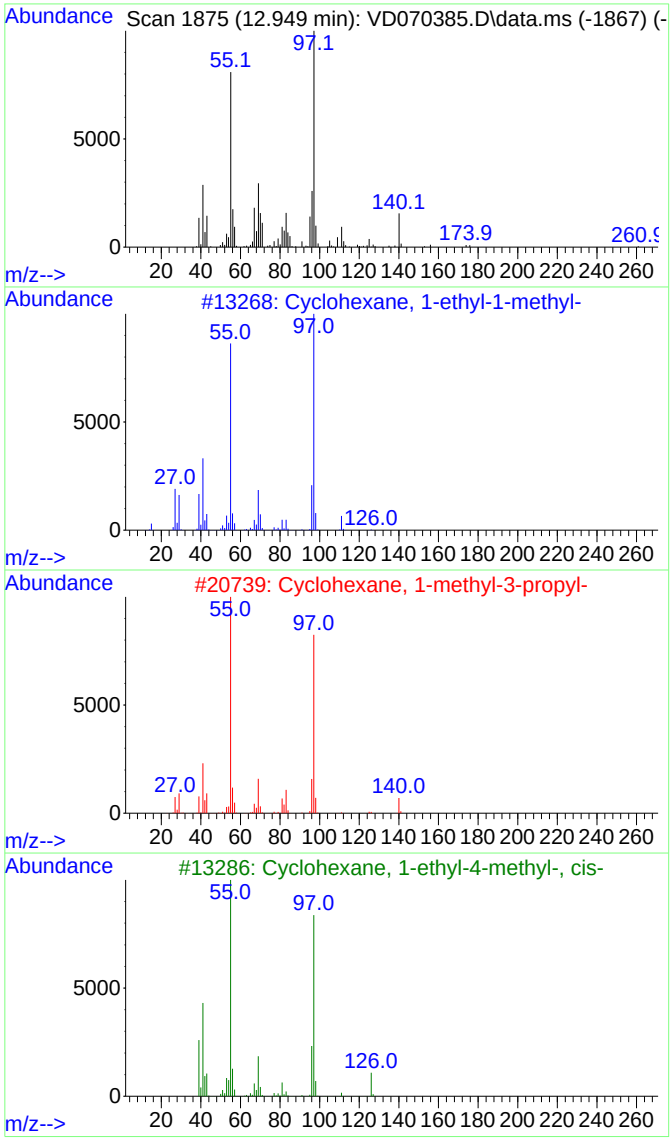
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

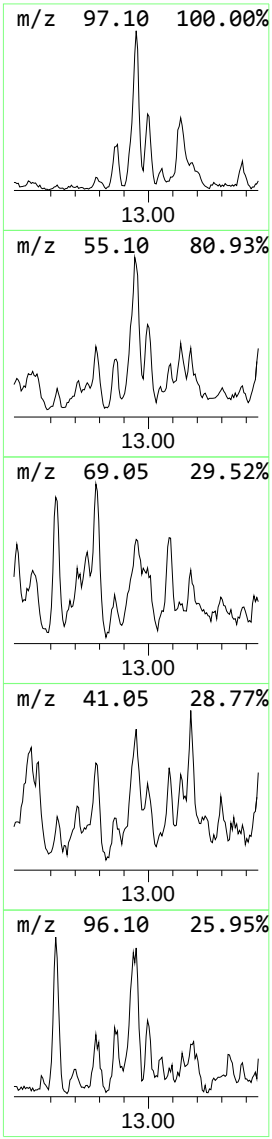
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.950	15.26 ug/l	617311	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	72
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	62
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	53





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Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

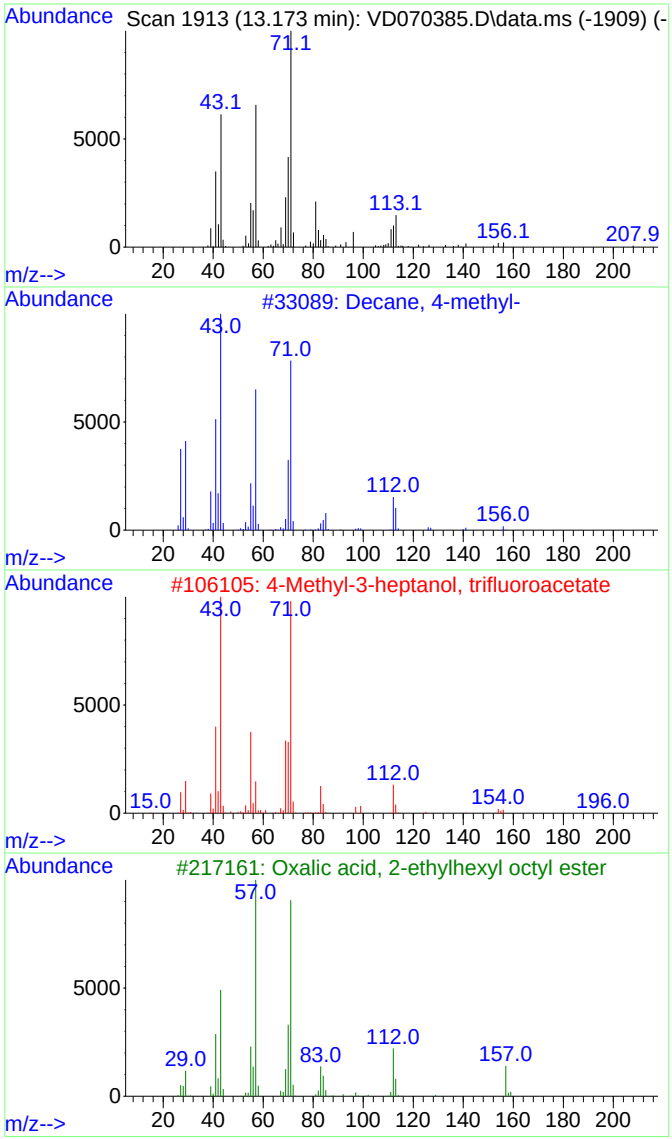
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

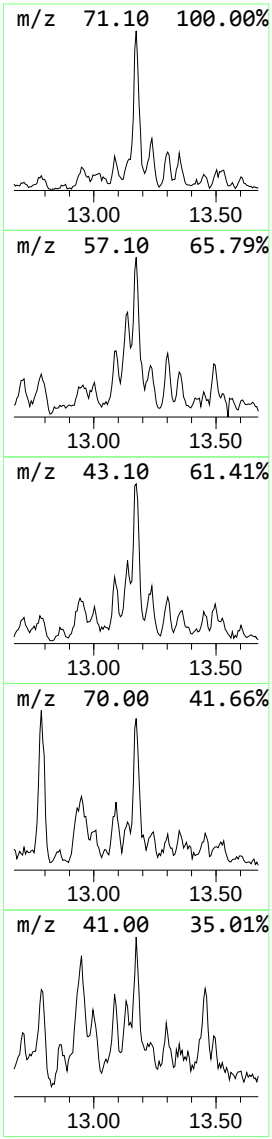
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Decane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.173	8.34 ug/l	337639	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	80
2	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	72
3	Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	72
4	Oxalic acid, decyl 2-ethylhexyl ...	342	C20H38O4	1000309-39-3	64
5	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
NAPL-07-(22-24)

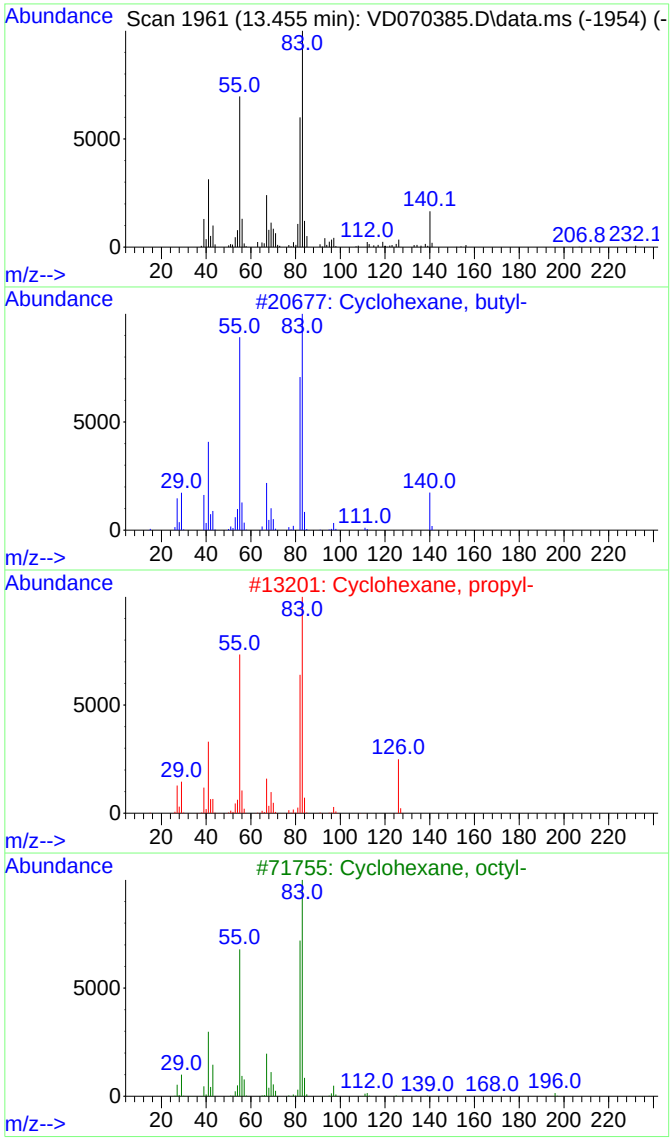
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

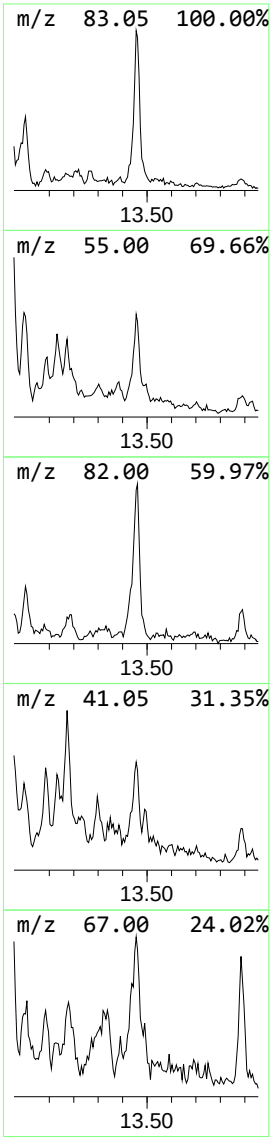
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexane, butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.455	7.56 ug/l	306057	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
5	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070385.D
Acq On : 20 Sep 2021 15:45
Operator : VA/SY
Sample : M3798-04
Misc : 7.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : NAPL-07-(22-24)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Nonane, 4-methyl-	12.144	14.5	ug/l	505936	3	11.638	1744130	50.0
Nonane, 3-methyl-	12.261	11.5	ug/l	401109	3	11.638	1744130	50.0
unknown12.344	12.344	11.8	ug/l	412078	3	11.638	1744130	50.0
4-Octylcyclohex...	12.373	12.5	ug/l	436214	3	11.638	1744130	50.0
Hexane, 2,4-dim...	12.514	7.1	ug/l	248370	3	11.638	1744130	50.0
unknown12.785	12.785	9.9	ug/l	402499	4	13.567	2023290	50.0
Glycine, furfur...	12.873	5.6	ug/l	225278	4	13.567	2023290	50.0
Cyclohexane, 1-...	12.950	15.3	ug/l	617311	4	13.567	2023290	50.0
Decane, 4-methyl-	13.173	8.3	ug/l	337639	4	13.567	2023290	50.0
Cyclohexane, bu...	13.455	7.6	ug/l	306057	4	13.567	2023290	50.0