LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
Sample : N3293-07
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

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\82D060922S.M
Title : SW846 8260

Signal : TIC: VD073613.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	rVB2	16392	18192	1.55%	0.144%
2	2.173	37	43	46	rVB	15590	19477	1.66%	0.154%
3	2.320	60	68	77	rBV2	99021	173661	14.80%	1.372%
4	2.444	82	89	93	rBV	366206	552709	47.10%	4.367%
5	2.491	93	97	103	rVV	135523	223436	19.04%	1.765%
6	2.567	103	110	118	rVB	352369	582867	49.67%	4.605%
7	4.020	348	357	369	rBV	26862	71249	6.07%	0.563%
8	4.156	369	380	391	rVV	127520	350710	29.88%	2.771%
9	4.797	479	489	501	rVB5	31135	107582	9.17%	0.850%
10	4.956	504	516	525	rBV3	45432	149355	12.73%	1.180%
11	5.079	527	537	538	rVV2	63215	157376	13.41%	1.243%
12	5.132	539	546	553	rVV2	148467	500351	42.63%	3.953%
13	5.220	553	561	575	rVB	145211	504462	42.99%	3.986%
14	5.991	683	692	703	rVB4	29050	89281	7.61%	0.705%
15	6.150	707	719	729	rBV5	12401	39921	3.40%	0.315%
16	6.938	843	853	865	rBV3	92440	275540	23.48%	2.177%
17	7.203	887	898	910	rBV2	90559	267489	22.79%	2.113%
18	7.526	941	953	962	rBV2	59496	149829	12.77%	1.184%
19	7.908	1008	1018	1023	rBV	196877	460910	39.27%	3.641%
20	7.973	1023	1029	1041	rVB	314482	713850	60.83%	5.640%
21	8.320	1072	1088	1098	rBV2	178019	444450	37.87%	3.511%
22	8.420	1098	1105	1113	rVB4	16717	37202	3.17%	0.294%
23	8.573	1123	1131	1140	rVB2	43595	93114	7.93%	0.736%
24	8.720	1149	1156	1165	rBV	33477	72699	6.19%	0.574%
25	8.855	1171	1179	1188	rBV	460082	937382	79.87%	7.406%
26	8.938	1188	1193	1199	rVB	26445	52156	4.44%	0.412%
27	9.085	1214	1218	1224	rVB3	11318	23242	1.98%	0.184%
28	9.297	1247	1254	1260	rBV2	36141	74015	6.31%	0.585%
29	9.338	1260	1261	1268	rVV5	8487	13093	1.12%	0.103%
30	9.420	1268	1275	1287	rVB2	77560	160036	13.64%	1.264%
31	9.673	1310	1318	1329	rVV2	50319	113694	9.69%	0.898%
32	9.779	1331	1336	1345	rVB5	5846	12982	1.11%	0.103%
33	10.120	1383	1394	1405	rBV2	28910	56269	4.79%	0.445%
34	10.220	1405	1411	1415	rVV	34635	58770	5.01%	0.464%
35	10.261	1416	1418	1423	rVV4	18200	27210	2.32%	0.215%
36	10.332	1423	1430	1437	rVV	650204	1173569	100.00%	9.272%

LSC Area Percent Report

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

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\82D060922S.M
Title : SW846 8260

37	10.396	1437	1441	1444	rVV2	13105	23716	2.02%	0.187%
38	10.426	1444	1446	1453	rVB4	9590	16148	1.38%	0.128%
39	10.579	1465	1472	1476	rBV	48982	91176	7.77%	0.720%
40	10.632	1476	1481	1488	rVV3	44801	102398	8.73%	0.809%
41	10.714	1490	1495	1505	rVV4	17006	33231	2.83%	0.263%
42	10.838	1510	1516	1525	rVB	19326	48259	4.11%	0.381%
43	10.973	1533	1539	1551	rBV4	27905	70638	6.02%	0.558%
44	11.073	1551	1556	1563	rVV2	101889	177655	15.14%	1.404%
45	11.355	1598	1604	1609	rBV4	8809	16291	1.39%	0.129%
46	11.449	1615	1620	1626	rVB6	7502	11794	1.00%	0.093%
47	11.526	1626	1633	1639	rVB9	9665	22992	1.96%	0.182%
48	11.638	1639	1652	1661	rBV	533458	957313	81.57%	7.563%
49	11.738	1661	1669	1674	rBV4	14900	27924	2.38%	0.221%
50	11.879	1681	1693	1699	rVB5	43368	100809	8.59%	0.796%
51	11.949	1699	1705	1711	rBV4	15248	26791	2.28%	0.212%
52	12.102	1723	1731	1736	rBV3	17019	29131	2.48%	0.230%
53	12.161	1736	1741	1747	rVB6	9777	19072	1.63%	0.151%
54	12.238	1750	1754	1761	rVB3	14614	25274	2.15%	0.200%
55	12.343	1764	1772	1781	rBV2	60016	105949	9.03%	0.837%
56	12.526	1796	1803	1810	rVV4	46466	84910	7.24%	0.671%
57	12.620	1810	1819	1831	rVB	380344	637665	54.34%	5.038%
58	12.920	1855	1870	1877	rBV6	34881	115977	9.88%	0.916%
59	12.979	1877	1880	1882	rBV3	11719	15320	1.31%	0.121%
60	13.061	1889	1894	1896	rBV3	24894	37003	3.15%	0.292%
61	13.143	1903	1908	1913	rBV4	30560	49896	4.25%	0.394%
62	13.326	1929	1939	1946	rBV6	35699	89812	7.65%	0.710%
63	13.396	1946	1951	1958	rVB4	38411	65085	5.55%	0.514%
64	13.496	1962	1968	1972	rBV8	8334	19188	1.64%	0.152%
65	13.561	1972	1979	1989	rVB	363369	595621	50.75%	4.706%
66	13.655	1989	1995	2001	rVB2	41614	64899	5.53%	0.513%
67	13.720	2001	2006	2010	rBV3	38243	71066	6.06%	0.561%
68	13.914	2036	2039	2047	rVB9	11534	22660	1.93%	0.179%
69	14.026	2047	2058	2064	rVV5	11108	29846	2.54%	0.236%
70	14.332	2105	2110	2116	rVB6	22378	30062	2.56%	0.238%
71	15.226	2252	2262	2267	rBV5	23802	48896	4.17%	0.386%
72	15.514	2305	2311	2316	rBV6	7780	14649	1.25%	0.116%

Sum of corrected areas: 12657246

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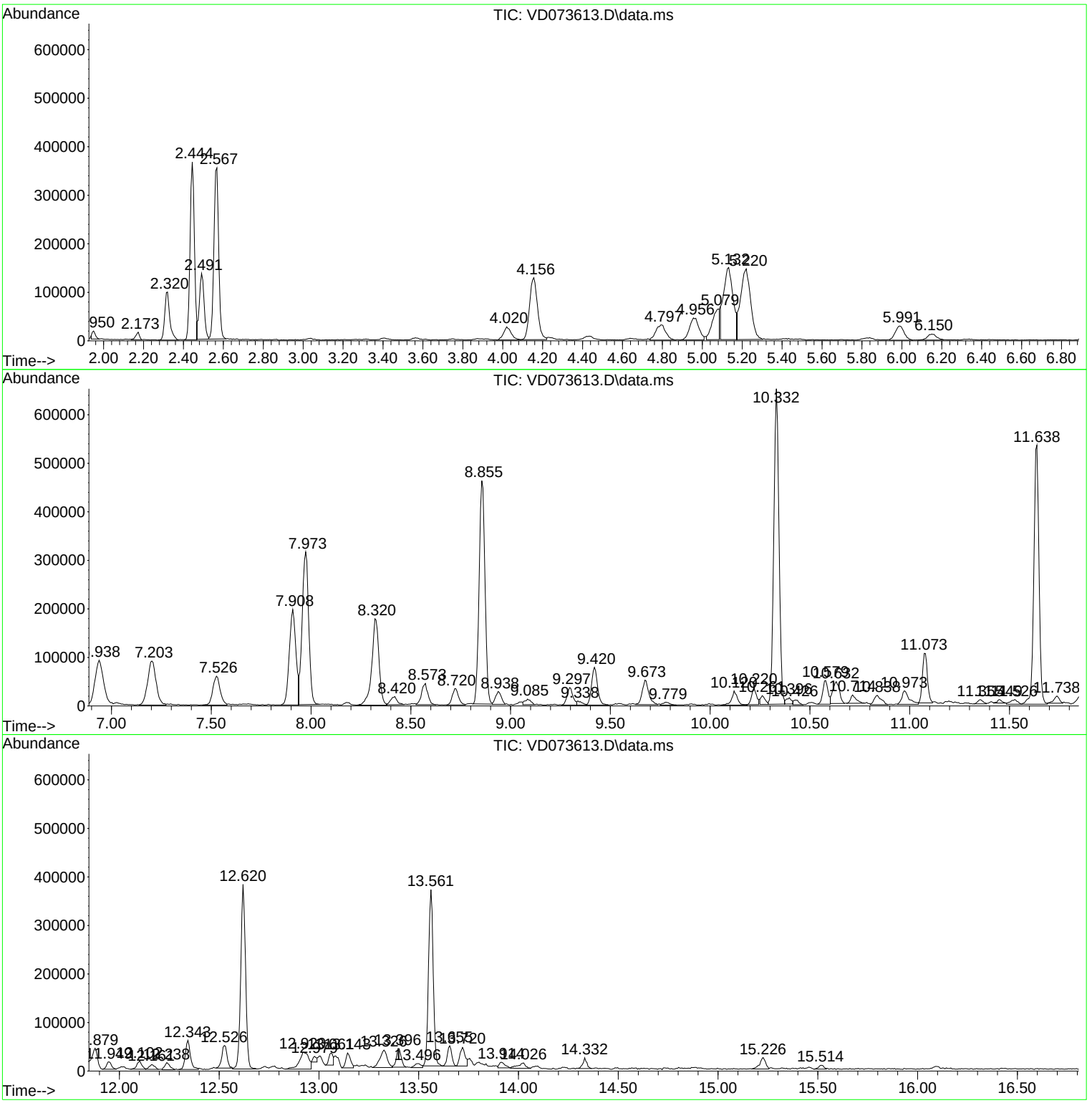
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
Sample : N3293-07
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
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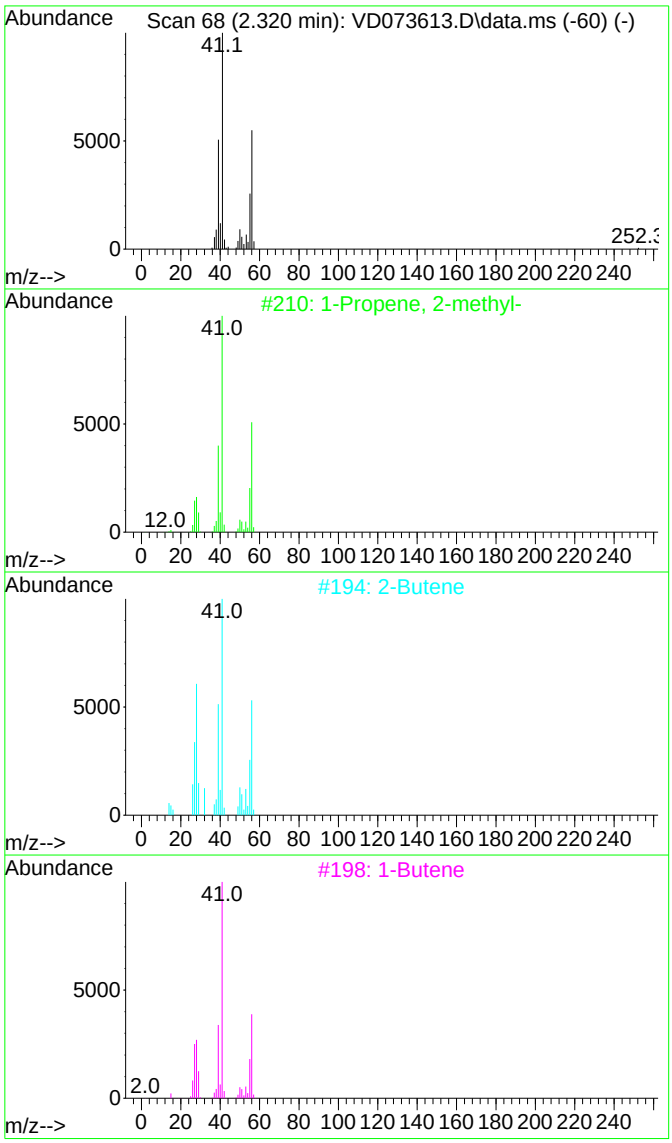
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

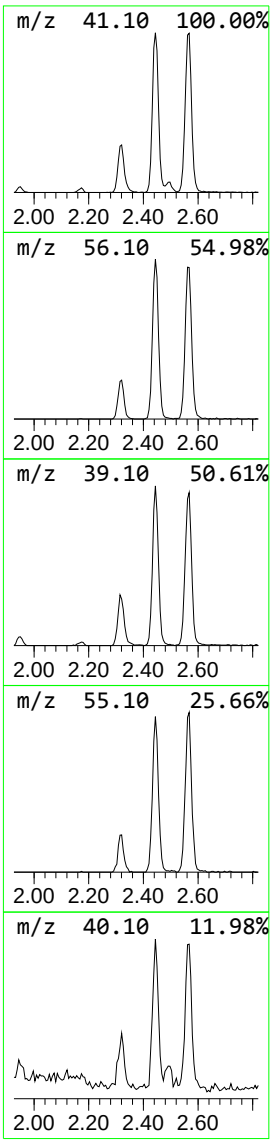
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1-Propene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.320	12.16 ug/l	173661	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87
2	2-Butene	56	C4H8	000107-01-7	83
3	1-Butene	56	C4H8	000106-98-9	80
4	2-Butene, (Z)-	56	C4H8	000590-18-1	80
5	2-Butene, (E)-	56	C4H8	000624-64-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
Sample : N3293-07
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

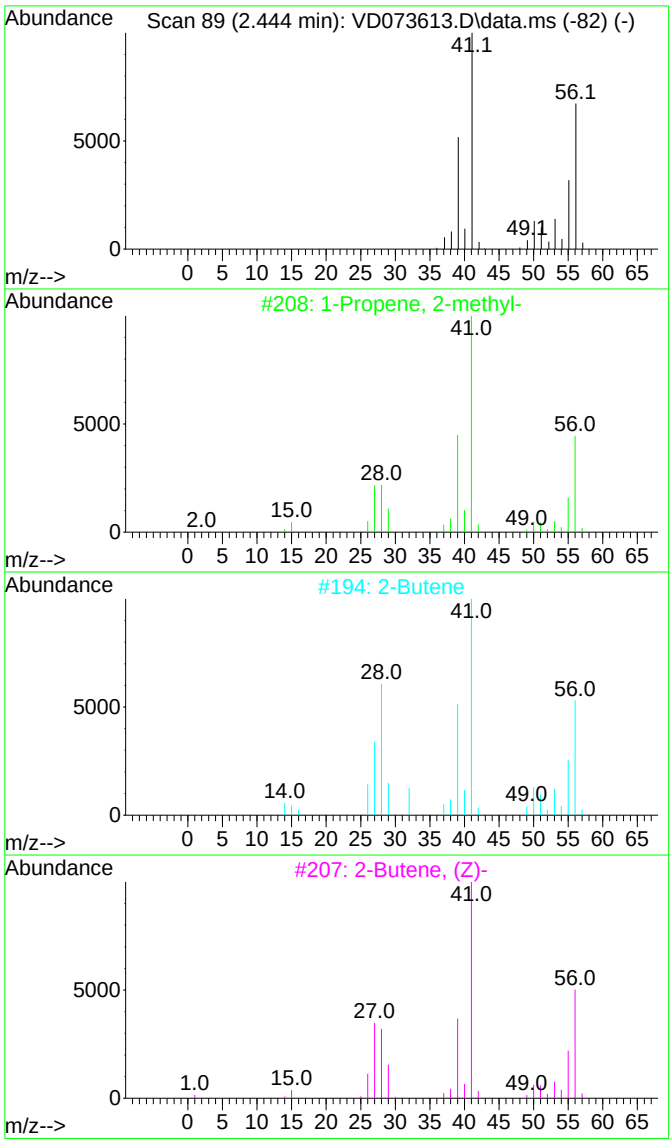
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

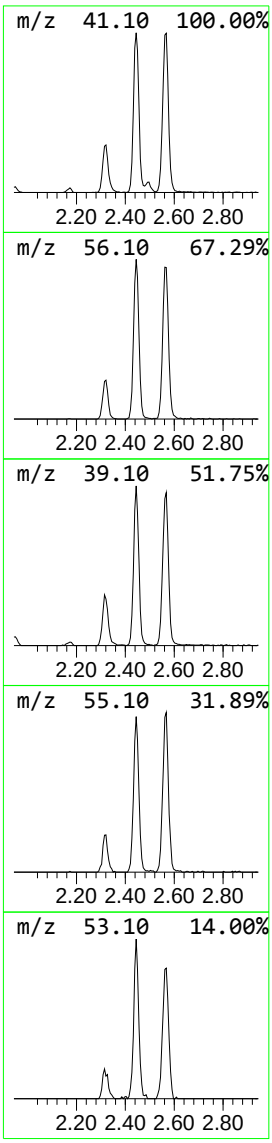
****

Peak Number 2 2-Butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.444	38.71 ug/l	552709	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	72
2	2-Butene	56	C4H8	000107-01-7	68
3	2-Butene, (Z)-	56	C4H8	000590-18-1	64
4	2-Butene, (E)-	56	C4H8	000624-64-6	64
5	1-Butene	56	C4H8	000106-98-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
Sample : N3293-07
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

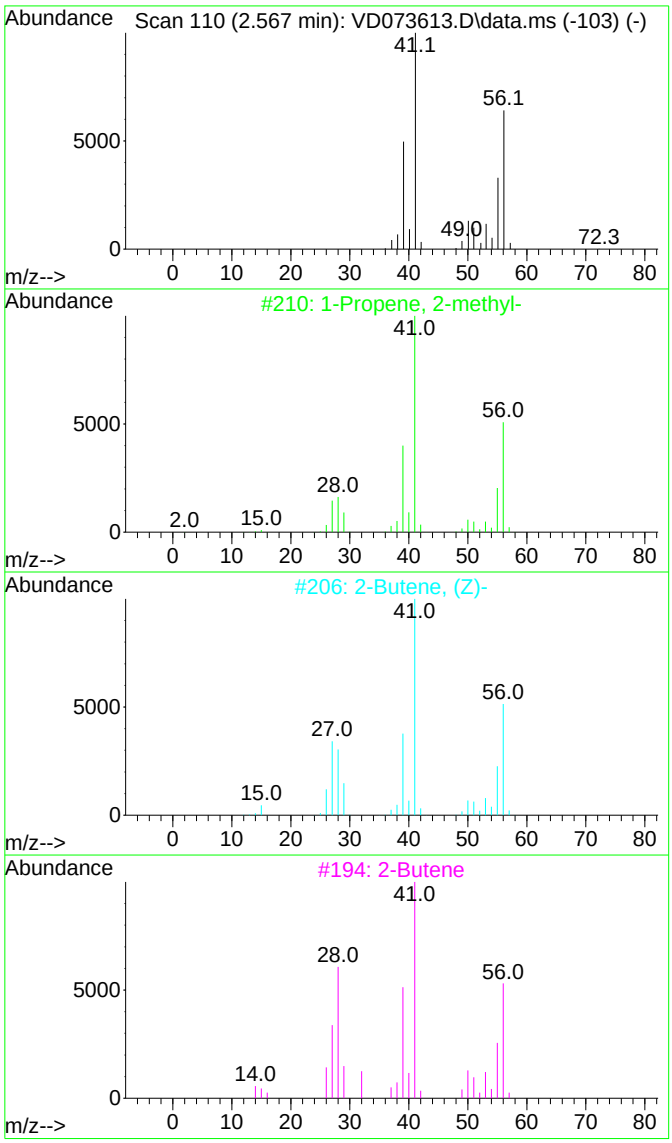
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

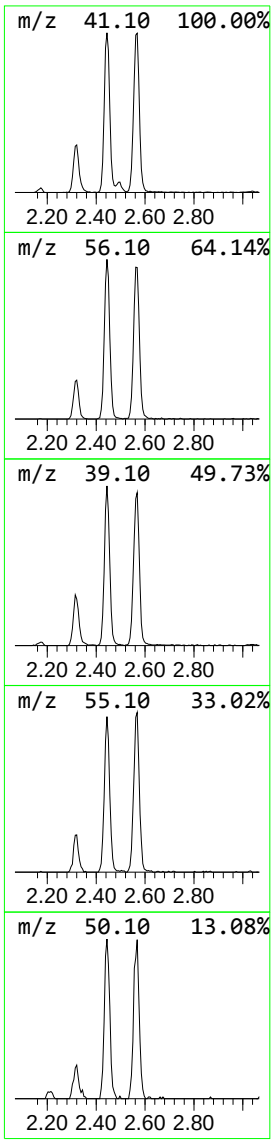
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Butene, (Z)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.567	40.83 ug/l	582867	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
2	2-Butene, (Z)-	56	C4H8	000590-18-1	68
3	2-Butene	56	C4H8	000107-01-7	68
4	2-Butene, (E)-	56	C4H8	000624-64-6	64
5	1-Butene	56	C4H8	000106-98-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
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Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

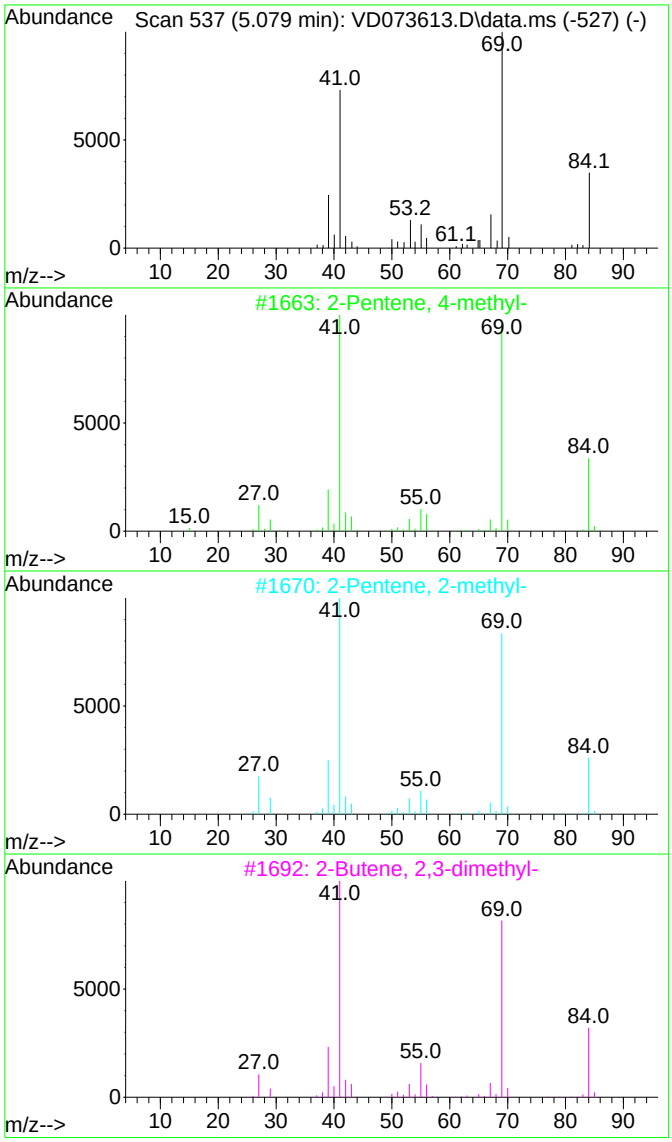
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

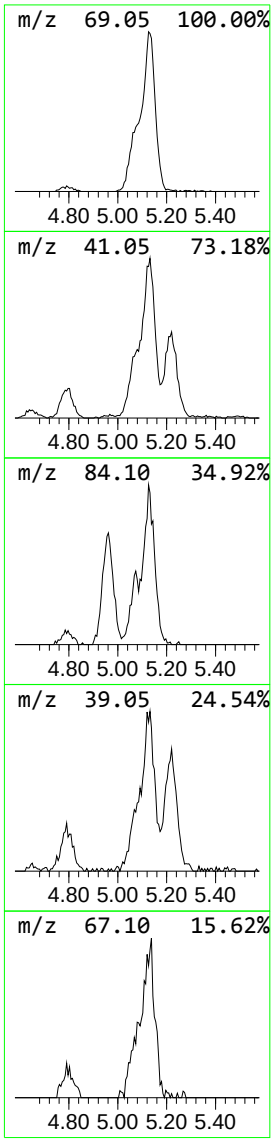
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Pentene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.079	11.02 ug/l	157376	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	80
2	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	78
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	78
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	78
5	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
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Operator : VA/SY
Sample : N3293-07
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

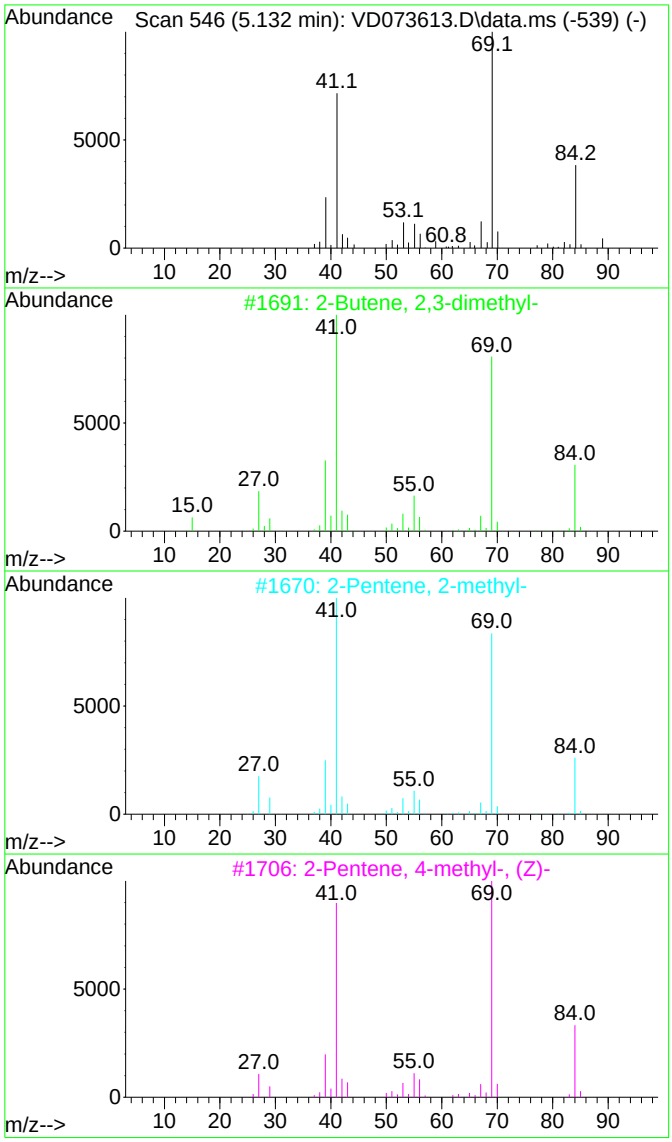
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

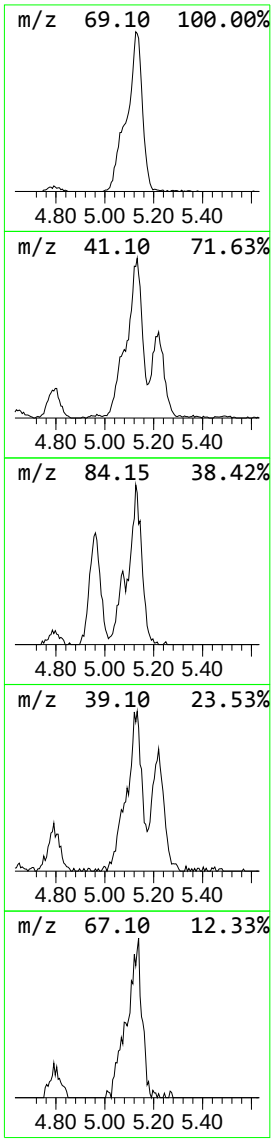
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Butene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.132	35.05 ug/l	500351	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	87
2	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	87
3	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	86
4	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	86
5	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
Sample : N3293-07
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

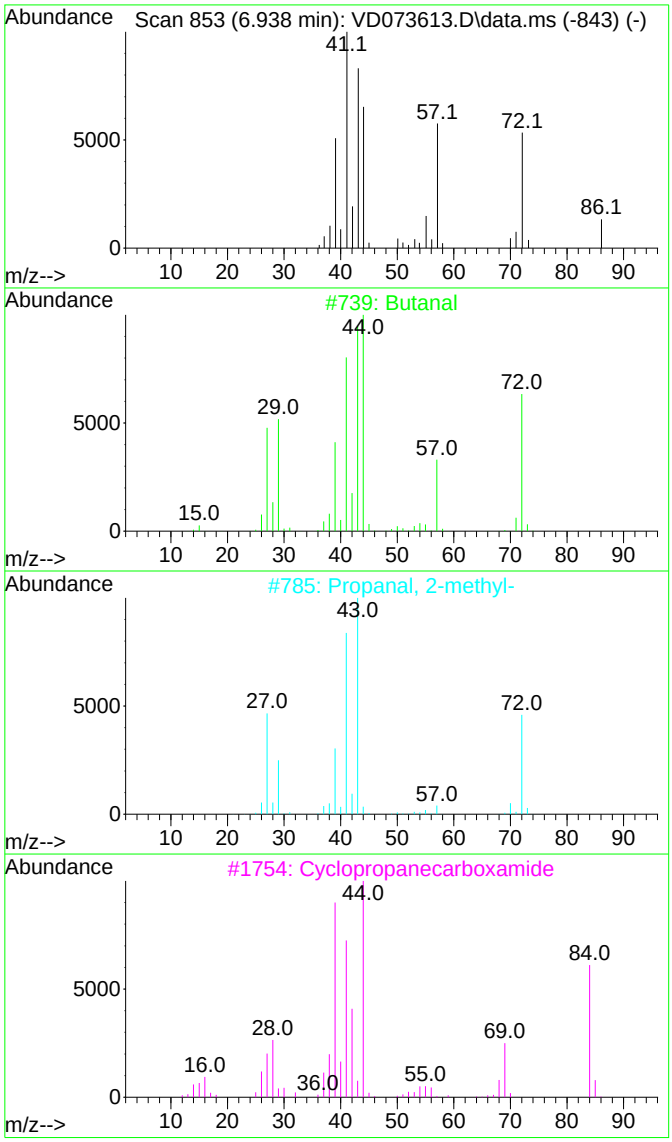
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

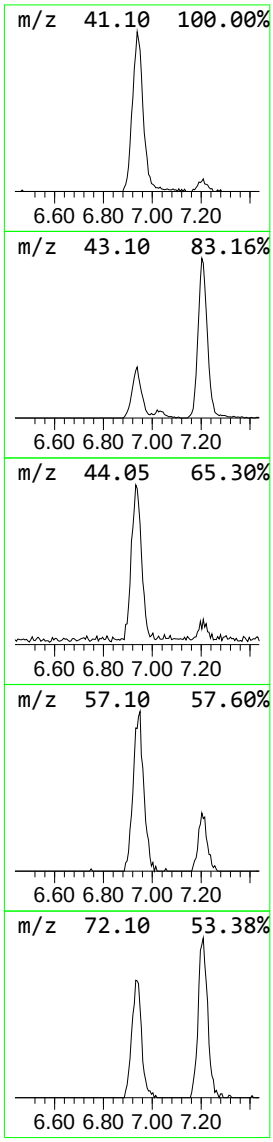
****

Peak Number 7 Butanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.938	19.30 ug/l	275540	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	64
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	47
3	Cyclopropanecarboxamide	85	C4H7NO	006228-73-5	38
4	3-Butenoic acid	86	C4H6O2	000625-38-7	30
5	2-Propen-1-ol, 2-methyl-	72	C4H8O	000513-42-8	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
Sample : N3293-07
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

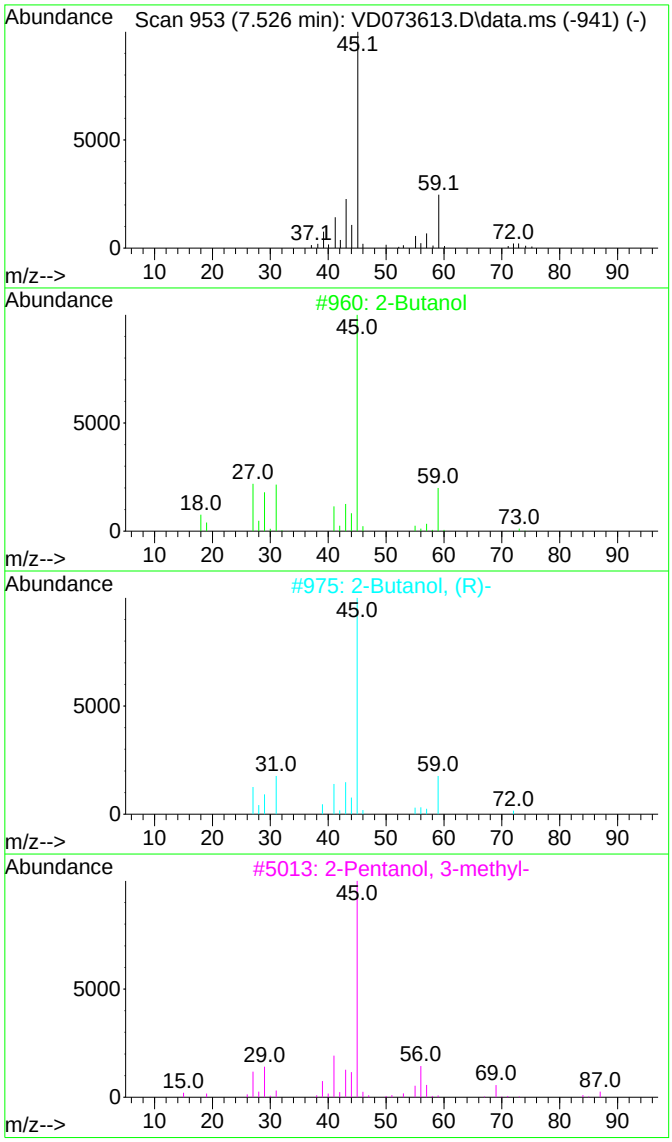
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

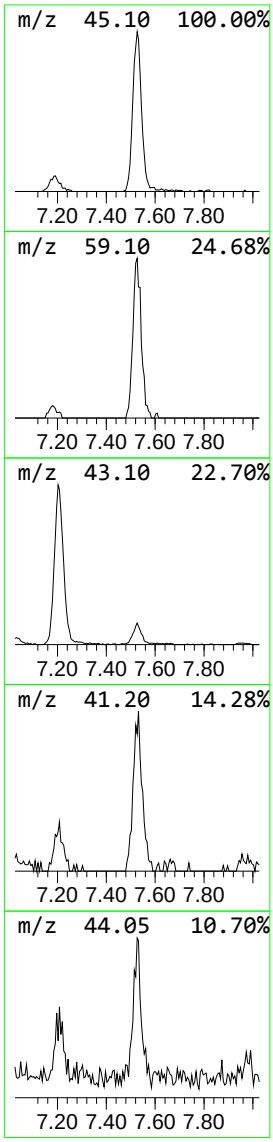
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 2-Butanol, (R)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.526	10.49 ug/l	149829	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol	74	C4H10O	000078-92-2	83
2	2-Butanol, (R)-	74	C4H10O	014898-79-4	83
3	2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	50
4	(S)-(+)-2-Pentanol	88	C5H12O	026184-62-3	38
5	(R)-(-)-2-Pentanol	88	C5H12O	031087-44-2	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
Sample : N3293-07
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

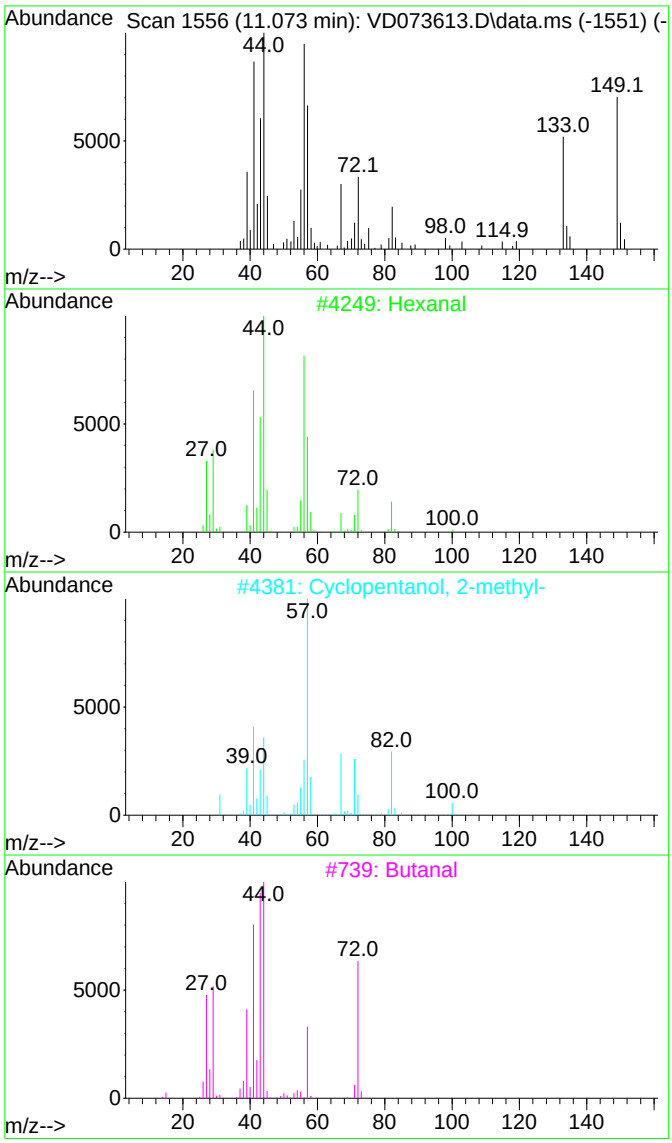
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

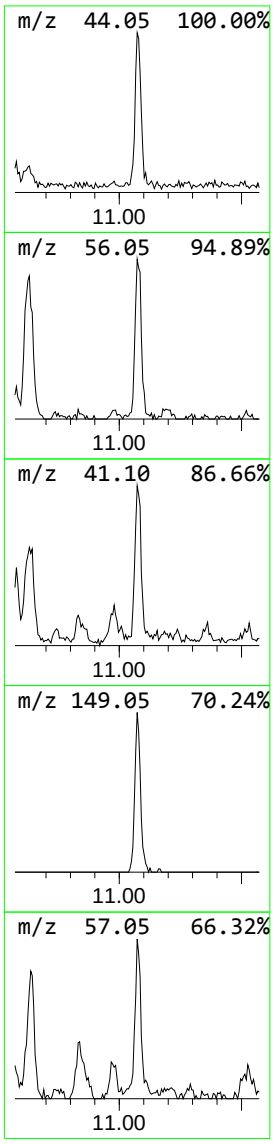
****

Peak Number 9 Hexanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.073	9.28 ug/l	177655	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	50
2	Cyclopentanol, 2-methyl-	100	C6H12O	024070-77-7	37
3	Butanal	72	C4H8O	000123-72-8	14
4	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	12
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
Sample : N3293-07
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260

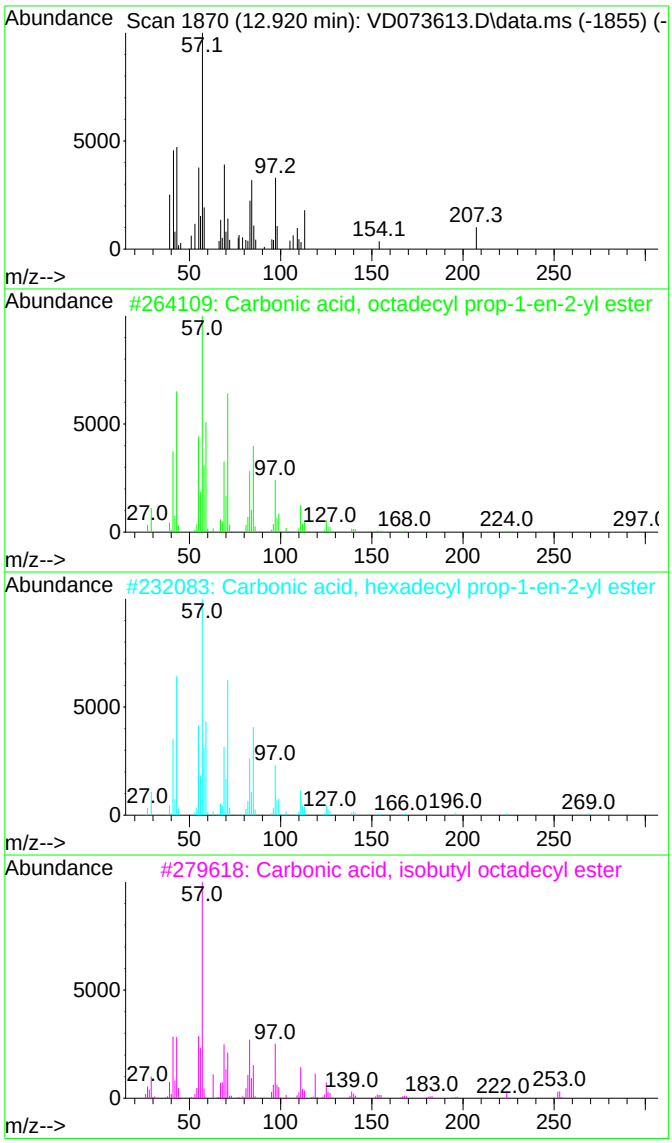
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

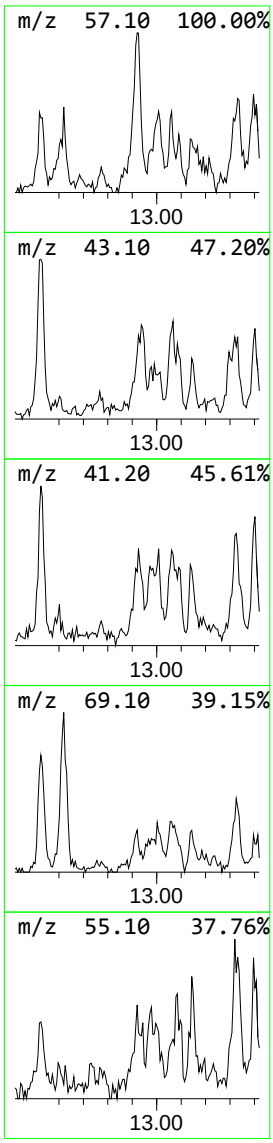
****

Peak Number 10 unknown12.920 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	9.74 ug/l	115977	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	32
2	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	32
3	Carbonic acid, isobutyl octadecy...	370	C23H46O3	1000314-61-5	16
4	Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	16
5	2-Propyl-1-pentanol, pentafluoro...	276	C11H17F5O2	1000365-51-2	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061622\
Data File : VD073613.D
Acq On : 16 Jun 2022 13:08
Operator : VA/SY
Sample : N3293-07
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
40808

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.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
1-Propene, 2-me...	2.320	12.2	ug/l	173661	1	7.973	713850	50.0
2-Butene	2.444	38.7	ug/l	552709	1	7.973	713850	50.0
2-Butene, (Z)-	2.567	40.8	ug/l	582867	1	7.973	713850	50.0
2-Pentene, 4-me...	5.079	11.0	ug/l	157376	1	7.973	713850	50.0
2-Butene, 2,3-d...	5.132	35.0	ug/l	500351	1	7.973	713850	50.0
Butanal	6.938	19.3	ug/l	275540	1	7.973	713850	50.0
2-Butanol, (R)-	7.526	10.5	ug/l	149829	1	7.973	713850	50.0
Hexanal	11.073	9.3	ug/l	177655	3	11.638	957313	50.0
unknown12.920	12.920	9.7	ug/l	115977	4	13.561	595621	50.0