LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR101819WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.116	3	8	31	rVB	4771994	4386047	100.00%	11.041%
2	1.225	36	42	56	rVB	587029	512085	11.68%	1.289%
3	1.309	59	68	79	rVV2	2517783	3735094	85.16%	9.402%
4	1.364	80	85	93	rVB	321433	309542	7.06%	0.779%
5	1.425	98	104	113	rVB	569172	571735	13.04%	1.439%
6	1.576	142	151	163	rVV2	470242	660004	15.05%	1.661%
7	1.647	165	173	185	rVB	619302	739709	16.87%	1.862%
8	1.782	206	215	221	rBV	848873	1030029	23.48%	2.593%
9	1.820	221	227	243	rVB3	960654	1467145	33.45%	3.693%
10	1.917	249	257	268	rVB	269170	333005	7.59%	0.838%
11	1.997	273	282	290	rVV	397772	533678	12.17%	1.343%
12	2.042	290	296	310	rVB2	62041	88989	2.03%	0.224%
13	2.126	312	322	335	rVB	514145	721676	16.45%	1.817%
14	2.466	413	428	444	rBV6	293043	791740	18.05%	1.993%
15	2.550	446	454	463	rVV	247986	470683	10.73%	1.185%
16	2.595	463	468	487	rVB2	100376	209861	4.78%	0.528%
17	2.785	512	527	541	rBV	281452	547527	12.48%	1.378%
18	2.978	570	587	602	rBV2	462711	1008686	23.00%	2.539%
19	3.068	602	615	636	rVB	411588	810032	18.47%	2.039%
20	3.183	636	651	660	rBV3	53582	117134	2.67%	0.295%
21	3.251	660	672	684	rVV2	135228	290753	6.63%	0.732%
22	3.489	727	746	772	rBV3	199737	496454	11.32%	1.250%
23	3.618	776	786	801	rVB4	20074	46201	1.05%	0.116%
24	3.962	880	893	938	rBV	178297	772464	17.61%	1.944%
25	4.399	1012	1029	1050	rBV2	455495	1177986	26.86%	2.965%
26	4.601	1077	1092	1101	rBV3	39348	106467	2.43%	0.268%
27	4.711	1114	1126	1137	rBV3	62922	134433	3.07%	0.338%
28	4.794	1138	1152	1180	rVB5	105122	342643	7.81%	0.863%
29	4.949	1186	1200	1217	rBV2	141833	322655	7.36%	0.812%
30	5.093	1225	1245	1264	rBV2	960669	2307548	52.61%	5.809%
31	5.225	1281	1286	1301	rVB3	25176	46622	1.06%	0.117%
32	5.357	1316	1327	1336	rBV2	56978	113908	2.60%	0.287%
33	5.415	1336	1345	1363	rVB4	117601	272603	6.22%	0.686%
34	5.531	1368	1381	1393	rBV2	146184	297188	6.78%	0.748%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR101819WMA.M
Title : TRACE VOA SOM01.0

35	5.662	1408	1422	1445	rBV	545895	1260472	28.74%	3.173%
36	5.759	1445	1452	1464	rVB4	49542	87674	2.00%	0.221%
37	5.978	1503	1520	1538	rVB6	115504	262639	5.99%	0.661%
38	6.116	1549	1563	1577	rBV	525139	1058628	24.14%	2.665%
39	6.707	1736	1747	1761	rVB4	45274	97655	2.23%	0.246%
40	6.875	1781	1799	1813	rBV8	47956	126744	2.89%	0.319%
41	7.029	1833	1847	1867	rBV2	244699	457154	10.42%	1.151%
42	7.119	1867	1875	1882	rBV2	47141	73358	1.67%	0.185%
43	7.357	1937	1949	1964	rBV	1070634	1824135	41.59%	4.592%
44	7.437	1965	1974	1983	rBV7	37126	70477	1.61%	0.177%
45	7.514	1993	1998	2012	rVB6	39423	62136	1.42%	0.156%
46	7.604	2016	2026	2034	rVV2	61429	111919	2.55%	0.282%
47	7.662	2035	2044	2065	rVV	152896	347230	7.92%	0.874%
48	7.762	2067	2075	2085	rVB4	32232	52535	1.20%	0.132%
49	7.939	2120	2130	2138	rBV4	36346	58523	1.33%	0.147%
50	8.016	2138	2154	2167	rVB	427835	727239	16.58%	1.831%
51	8.135	2176	2191	2229	rBV2	993255	2070748	47.21%	5.213%
52	8.891	2415	2426	2444	rBV	856148	1374744	31.34%	3.461%
53	10.257	2837	2851	2867	rBV	376364	602142	13.73%	1.516%
54	10.421	2889	2902	2912	rVB3	28331	57058	1.30%	0.144%
55	11.289	3160	3172	3194	rBV	928985	1450388	33.07%	3.651%
56	11.575	3251	3261	3277	rBV	60959	125198	2.85%	0.315%
57	11.665	3278	3289	3311	rVB	1005770	1594528	36.35%	4.014%

Sum of corrected areas: 39725650

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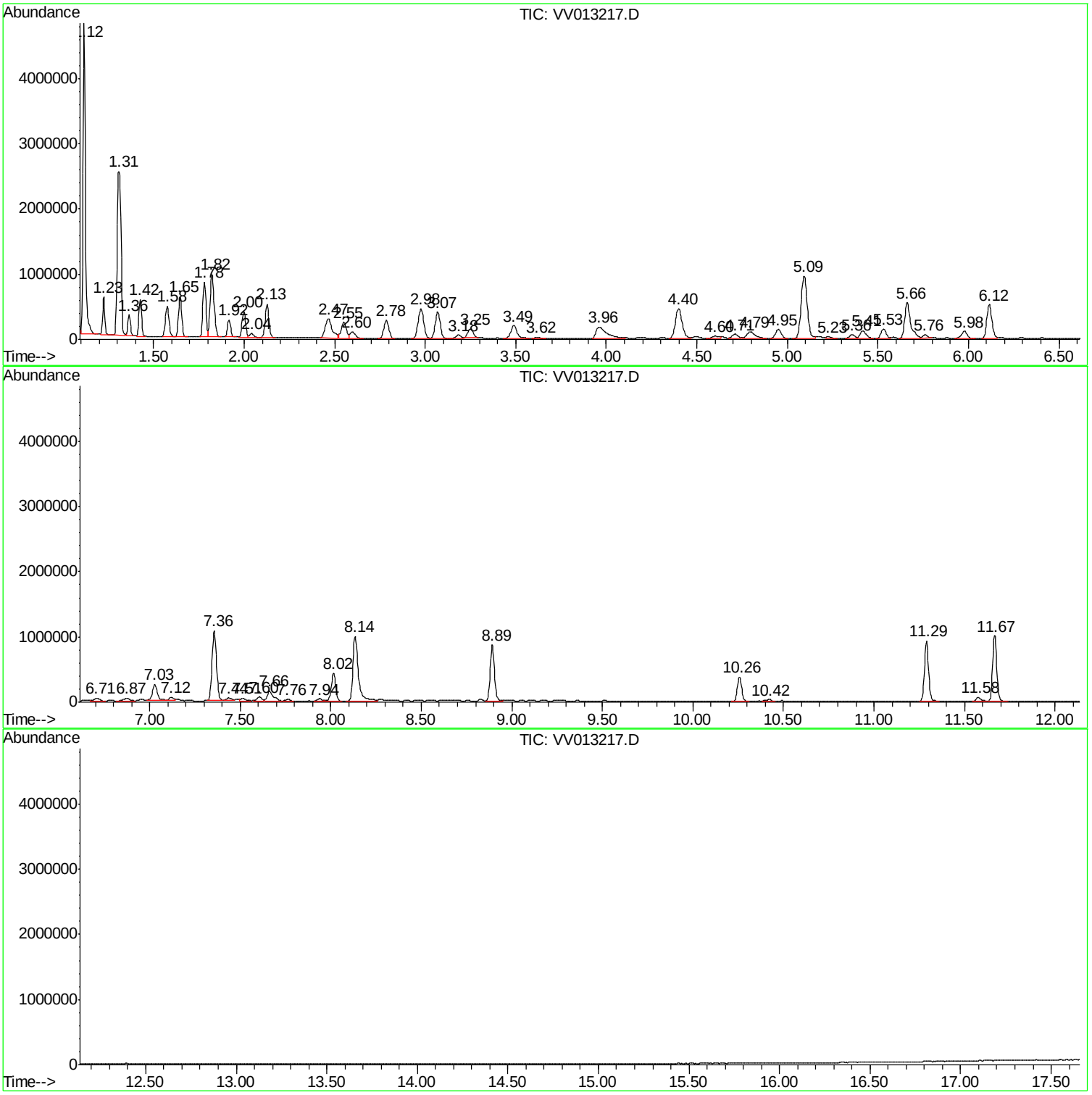
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

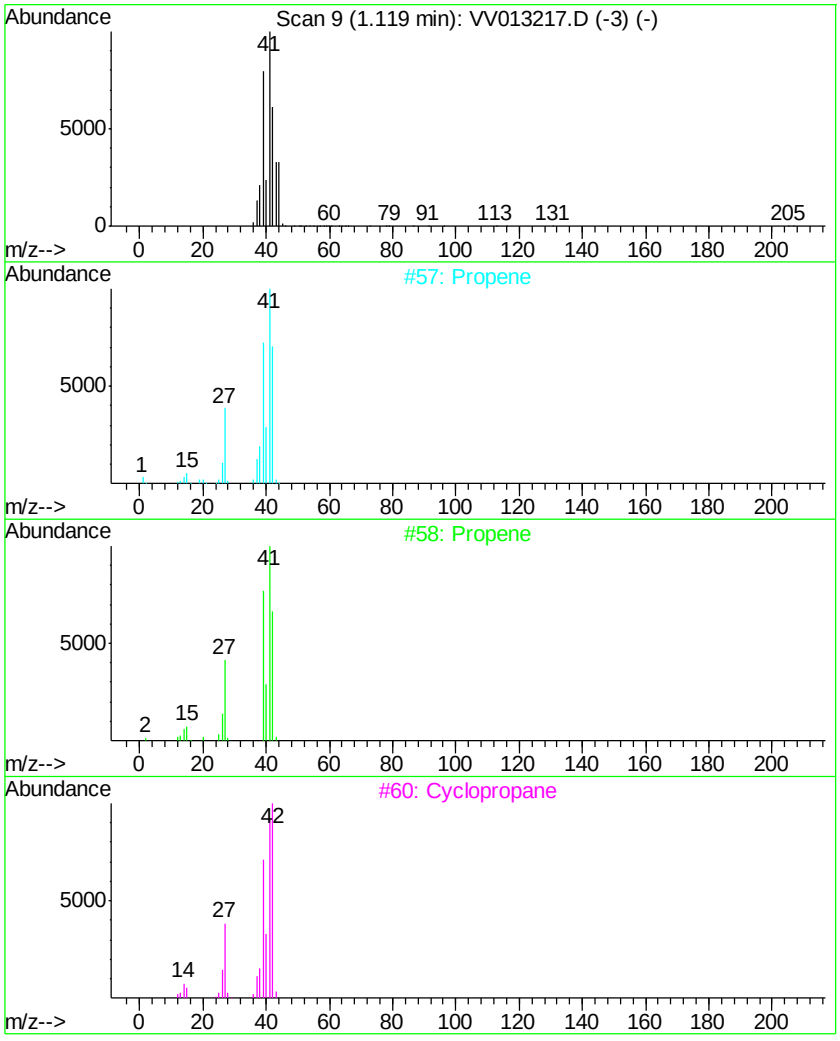
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

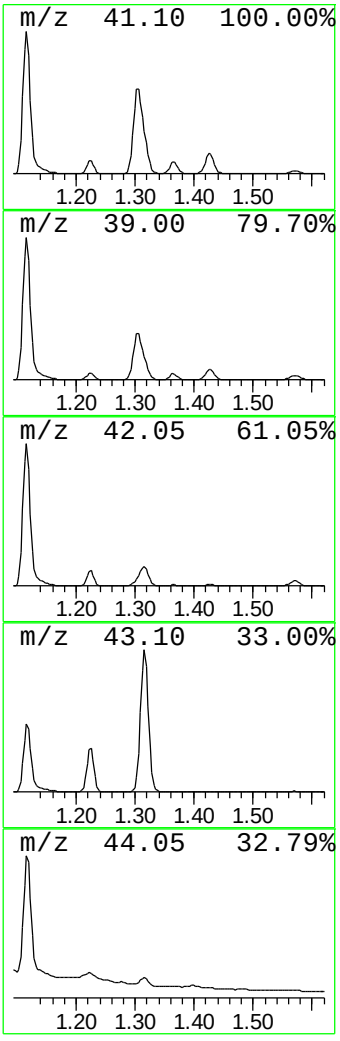
****

Peak Number 1 (DEL) Alkane: Cyclic1.12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.12	17.40 ug/L	4386050	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropene	40	C3H4	002781-85-3	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

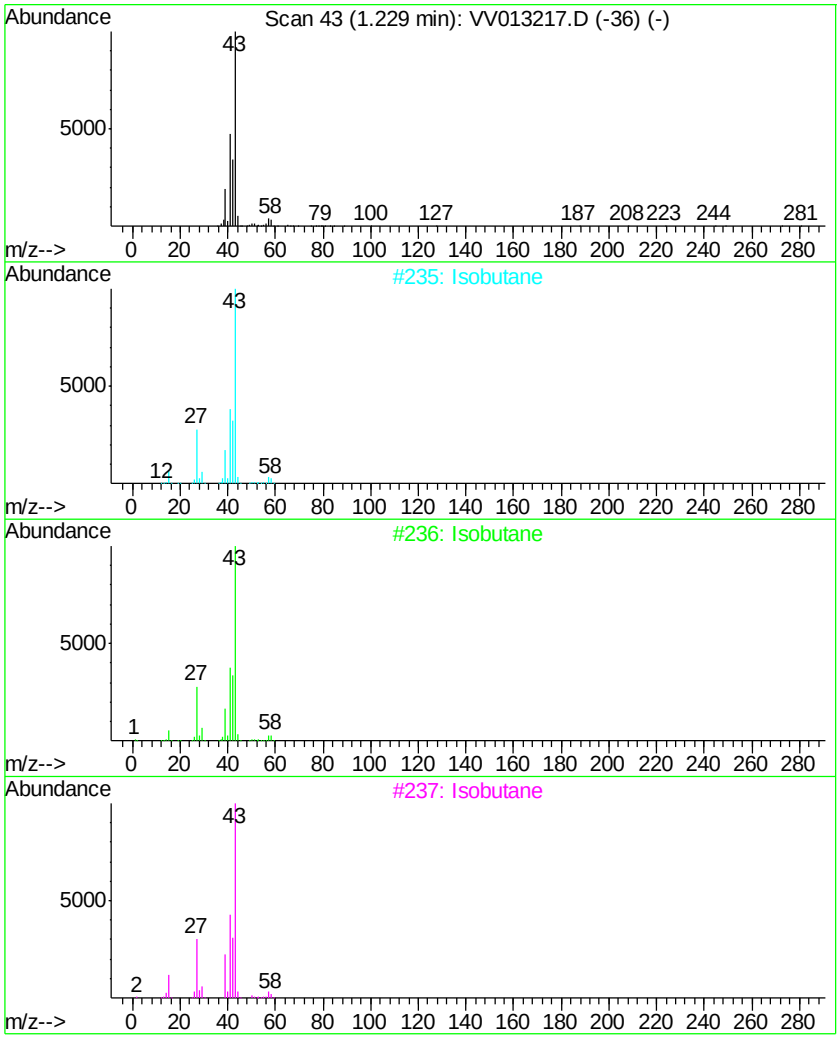
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

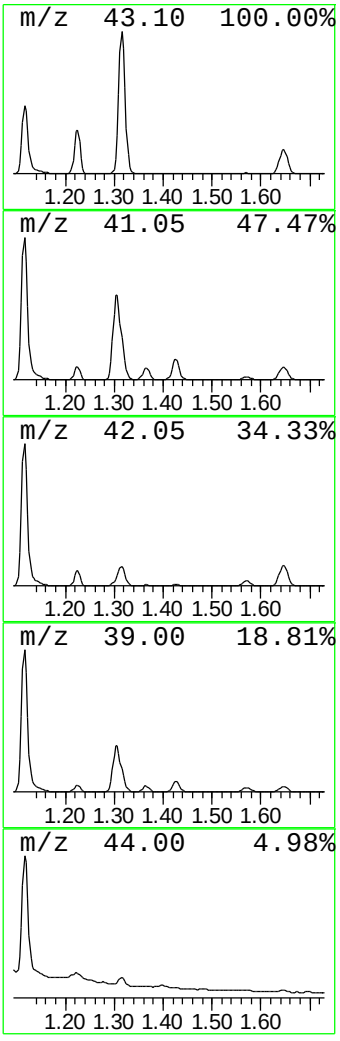
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.23	2.03 ug/L	512085	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	80
2	Isobutane	58	C4H10	000075-28-5	78
3	Isobutane	58	C4H10	000075-28-5	72
4	Isobutane	58	C4H10	000075-28-5	50
5	Cyclobutylamine	71	C4H9N	002516-34-9	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

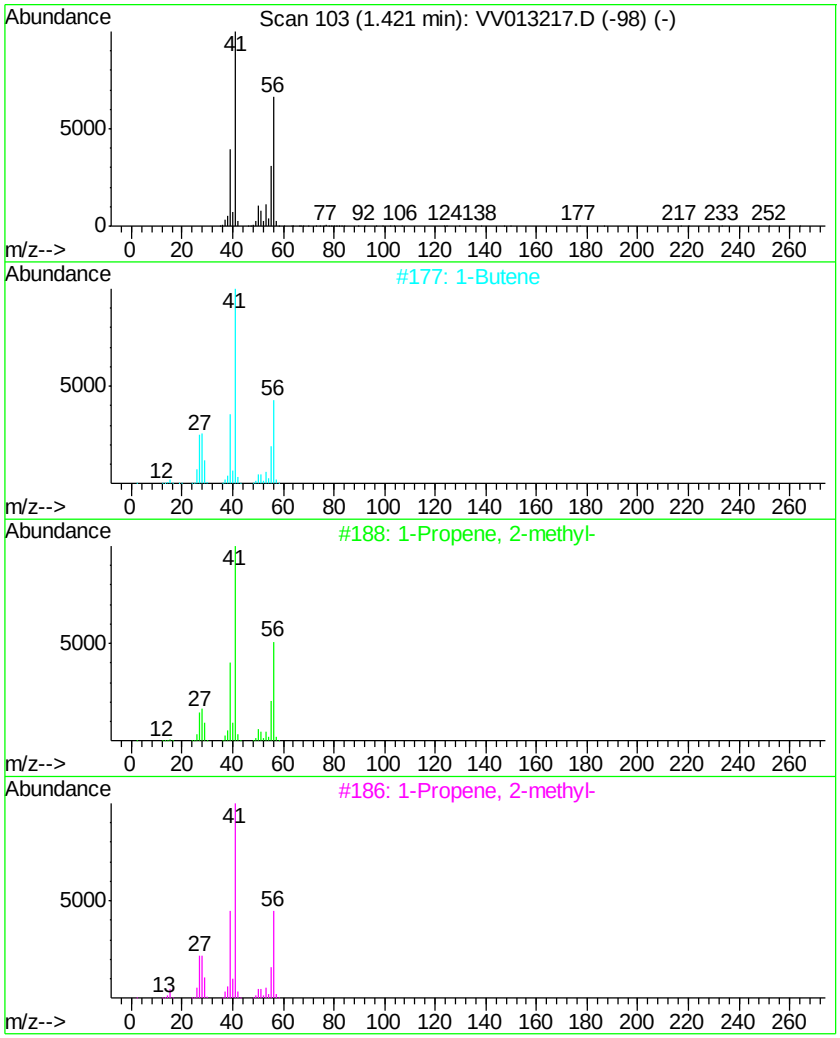
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

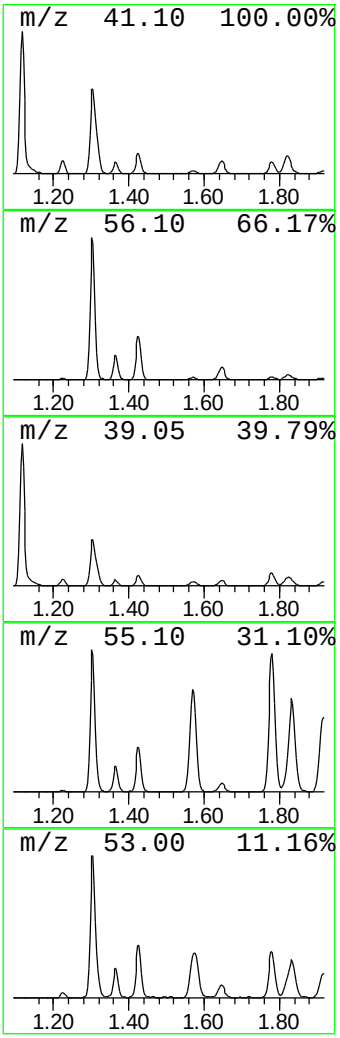
****

Peak Number 3 (DEL) Alkane: Cyclic1.42 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	2.27 ug/L	571735	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	83
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
4	2-Butene, (Z)-	56	C4H8	000590-18-1	74
5	2-Butene, (Z)-	56	C4H8	000590-18-1	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0AB1

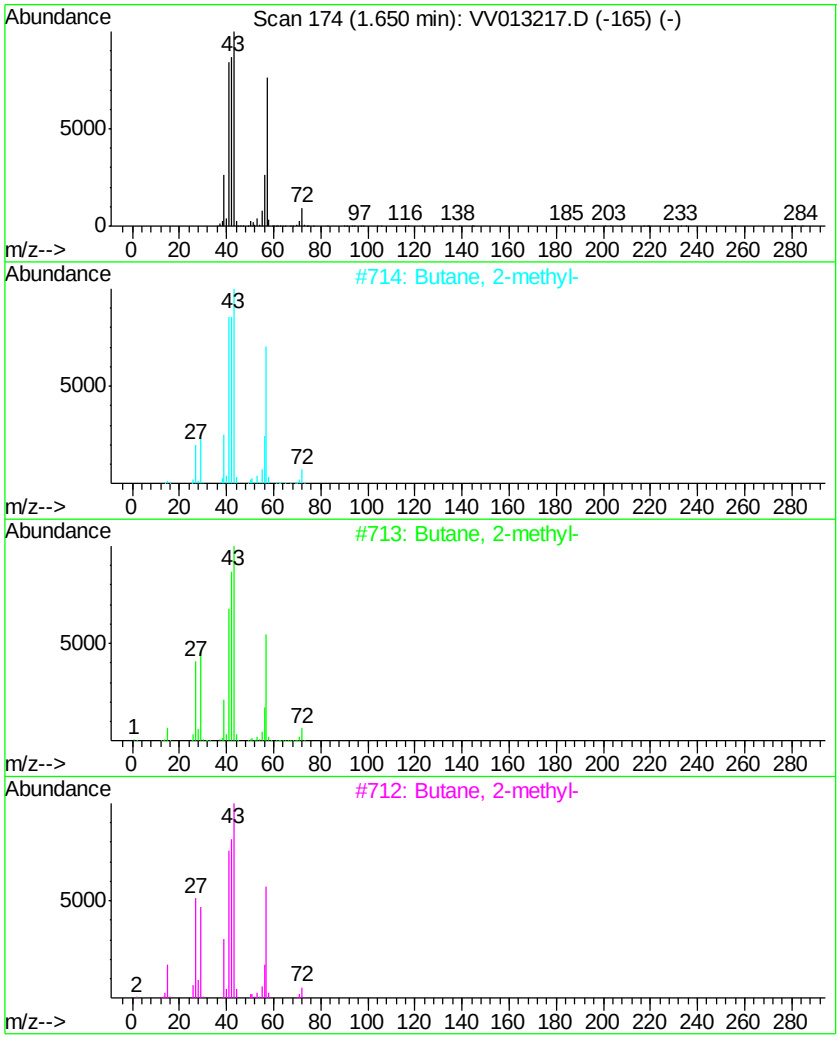
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

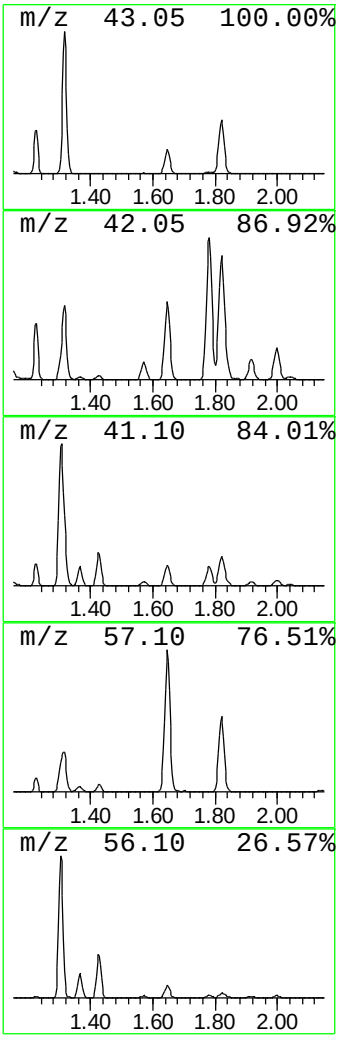
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	2.93 ug/L	739709	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Pentane	72	C5H12	000109-66-0	38
5	3-Buten-1-ol	72	C4H8O	000627-27-0	25





Library Search Compound Report

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Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

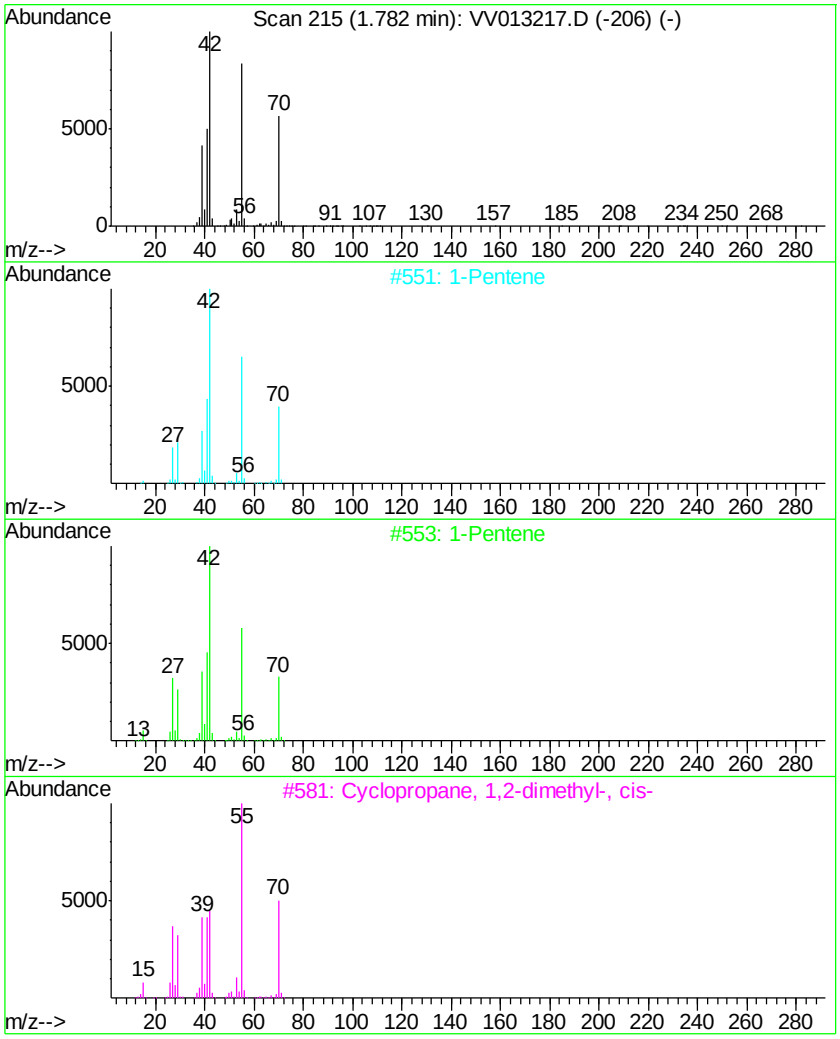
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

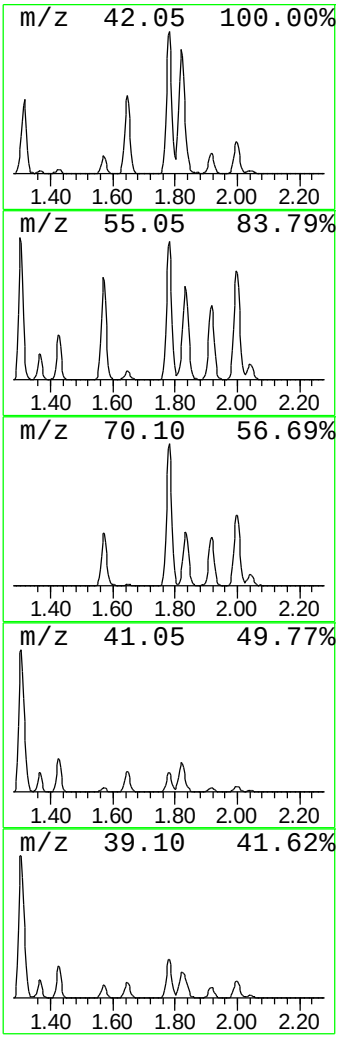
****

Peak Number 5 (DEL) Alkane: Cyclic1.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	4.09 ug/L	1030030	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	81
2	1-Pentene	70	C5H10	000109-67-1	76
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	70
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	68
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	64





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ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

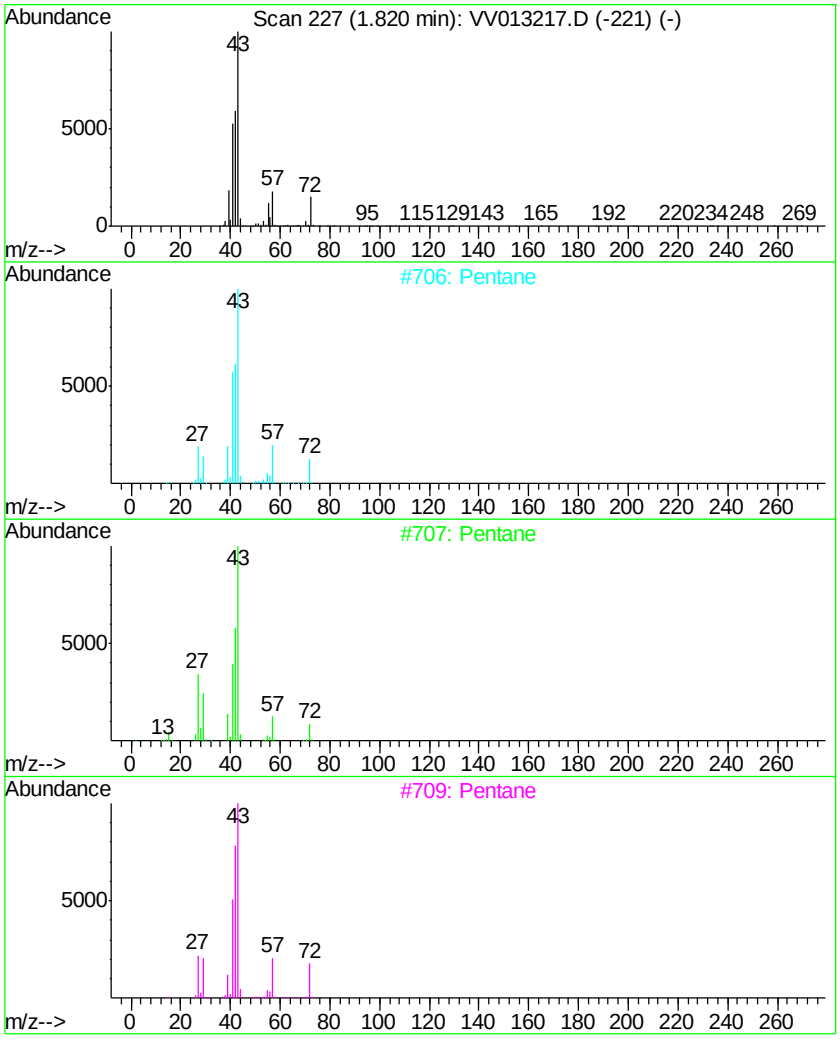
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

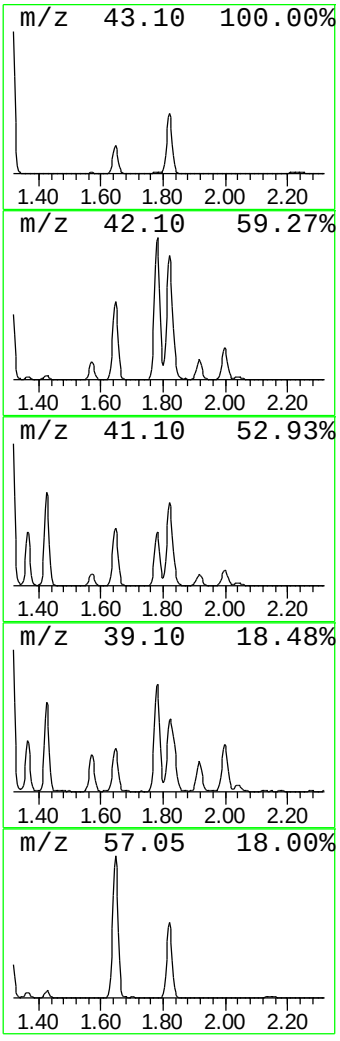
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	5.82 ug/L	1467150	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	86
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	38





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Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

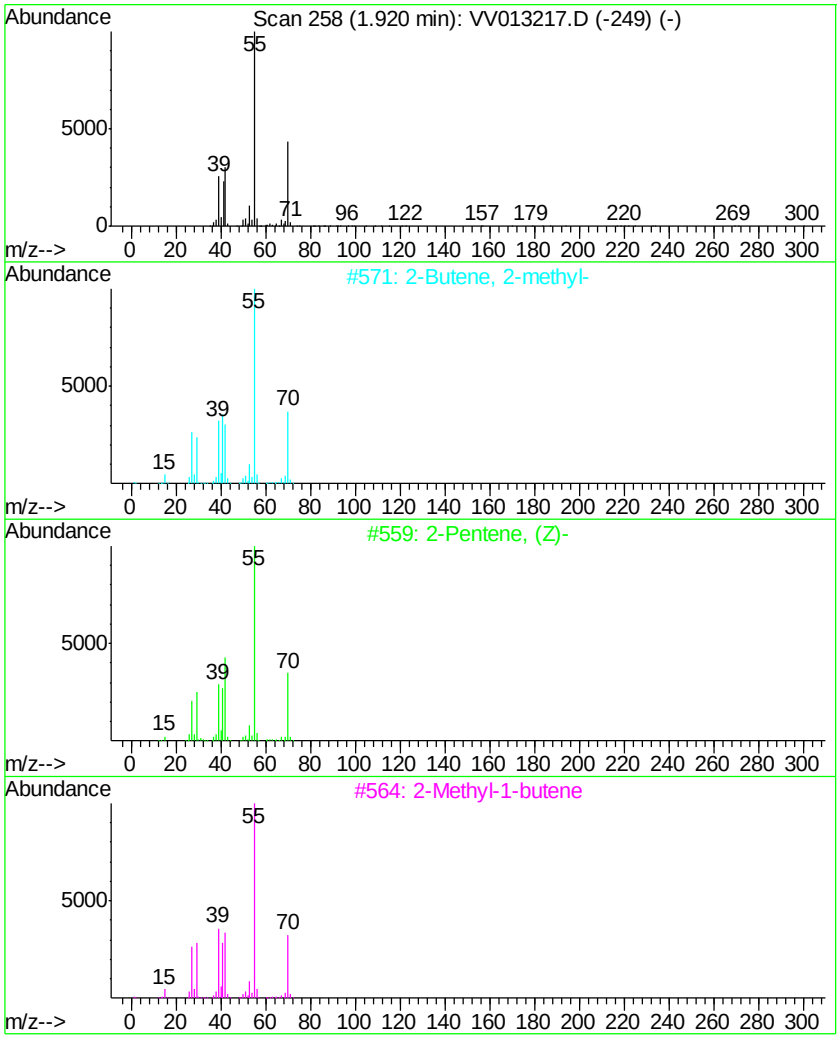
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

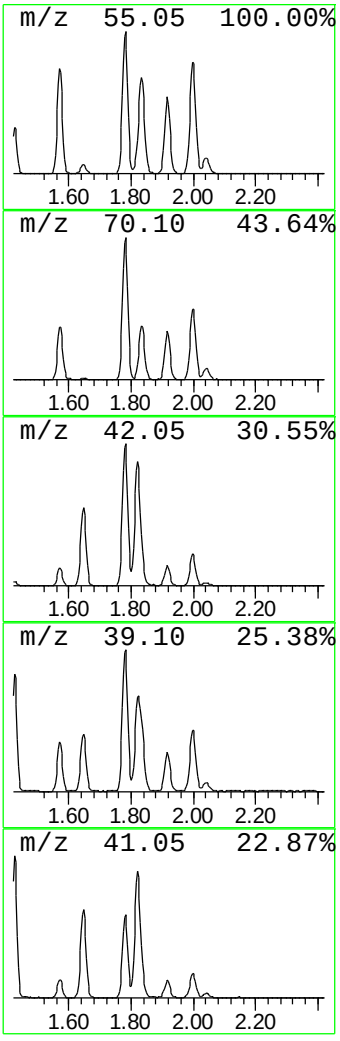
****

Peak Number 7 (DEL) Alkane: Cyclic1.92 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.92	1.32 ug/L	333005	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
3	2-Methyl-1-butene	70	C5H10	000563-46-2	91
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
5	2-Pentene, (E)-	70	C5H10	000646-04-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
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Instrument : MSVOA_V
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Quant Title : TRACE VOA SOM01.0

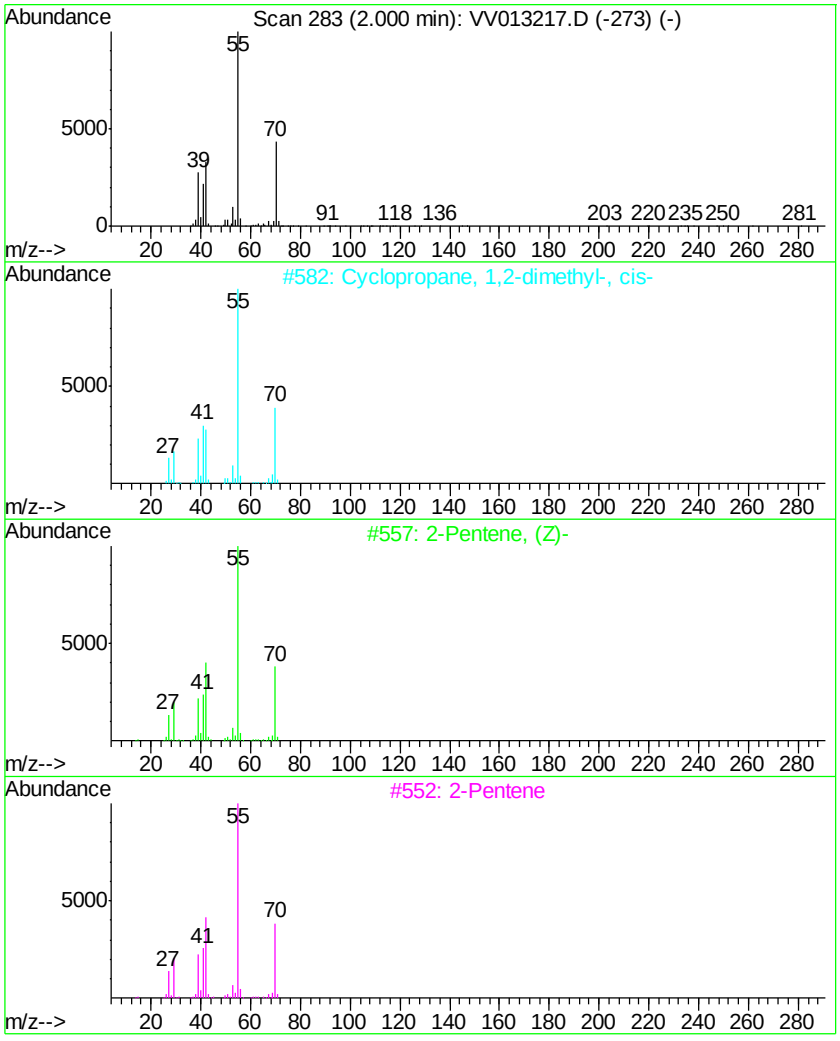
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

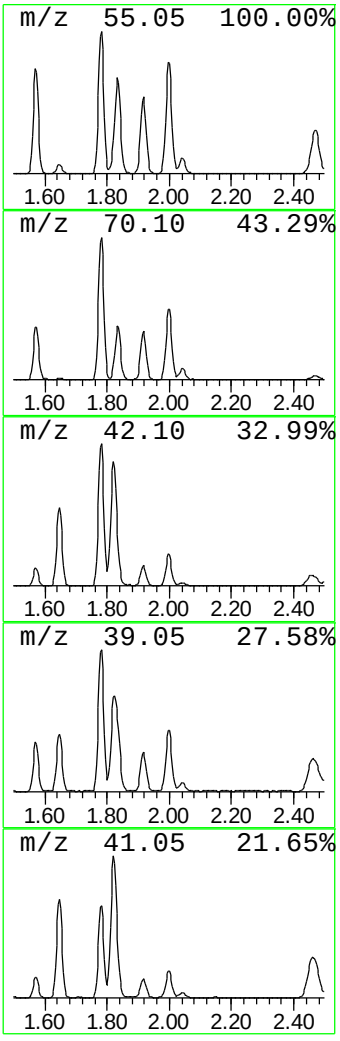
****

Peak Number 8 (DEL) Alkane: Cyclic2.00 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.00	2.12 ug/L	533678	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
3	2-Pentene	70	C5H10	000109-68-2	91
4	2-Methyl-1-butene	70	C5H10	000563-46-2	91
5	2-Pentene, (E)-	70	C5H10	000646-04-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

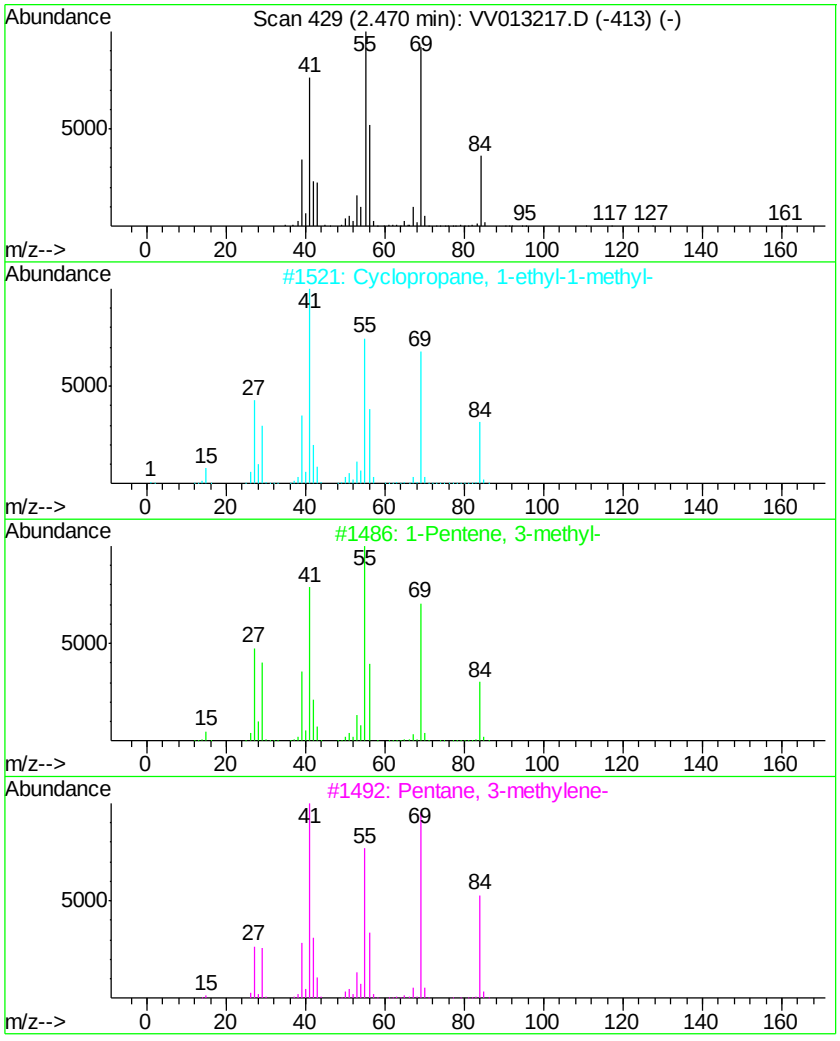
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

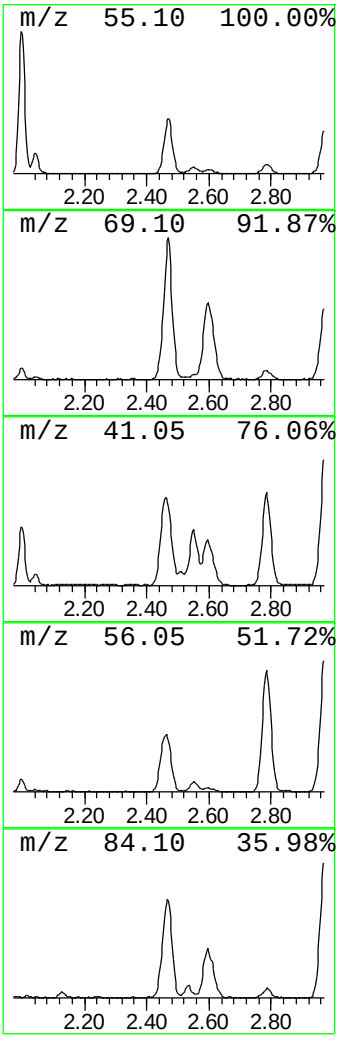
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.47	3.14 ug/L	791740	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	94
2	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	91
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	90
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	90
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	81





Library Search Compound Report

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Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

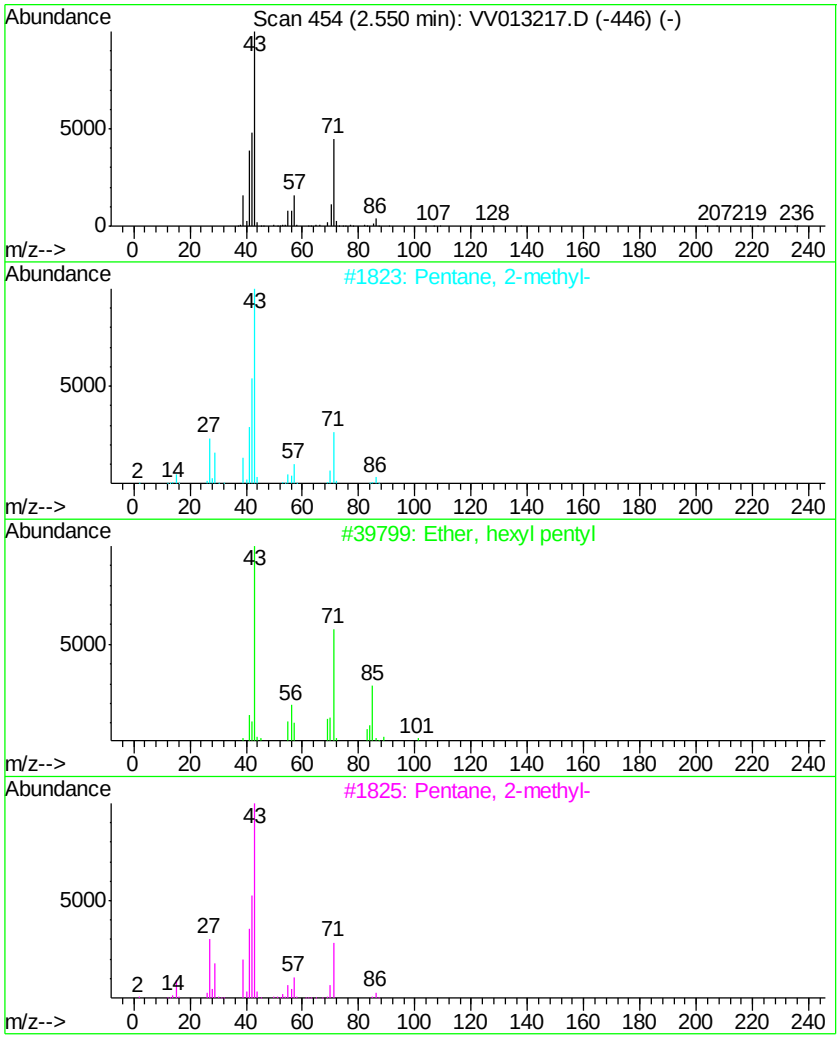
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

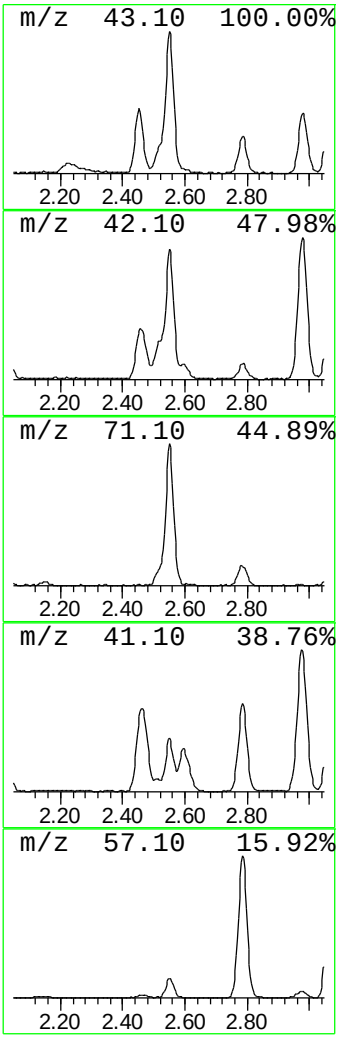
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	1.87 ug/L	470683	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	33
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	32
4	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	28
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28





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Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

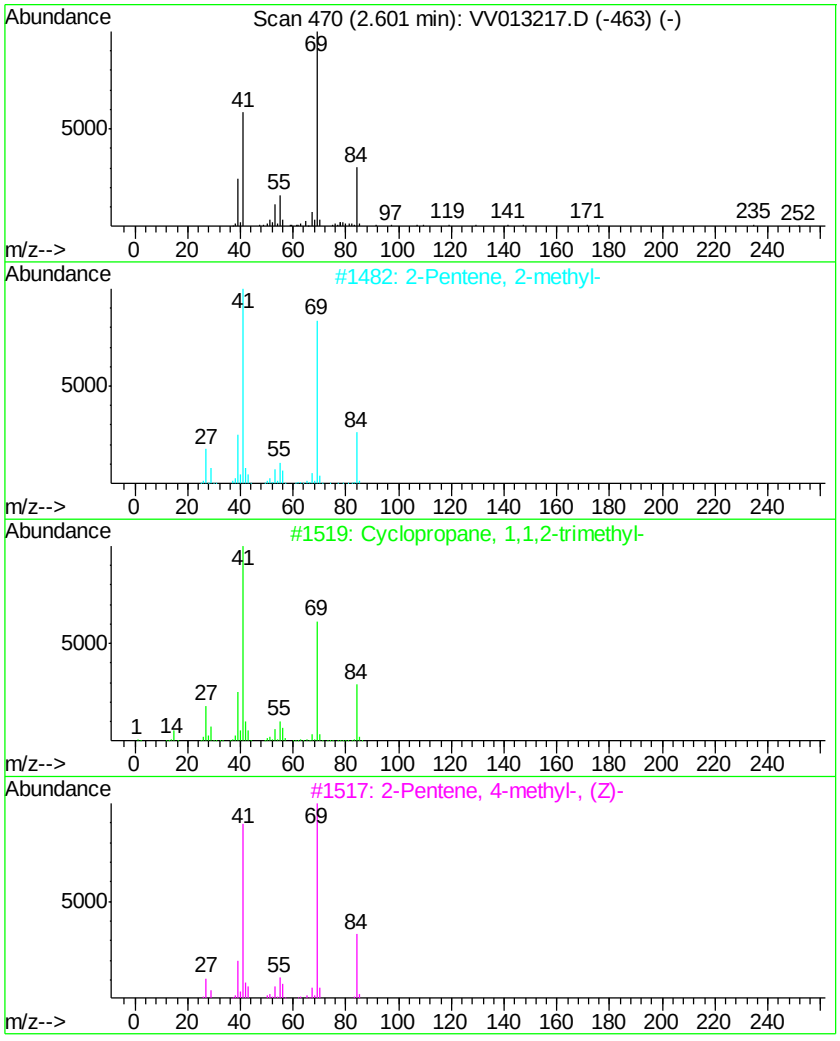
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

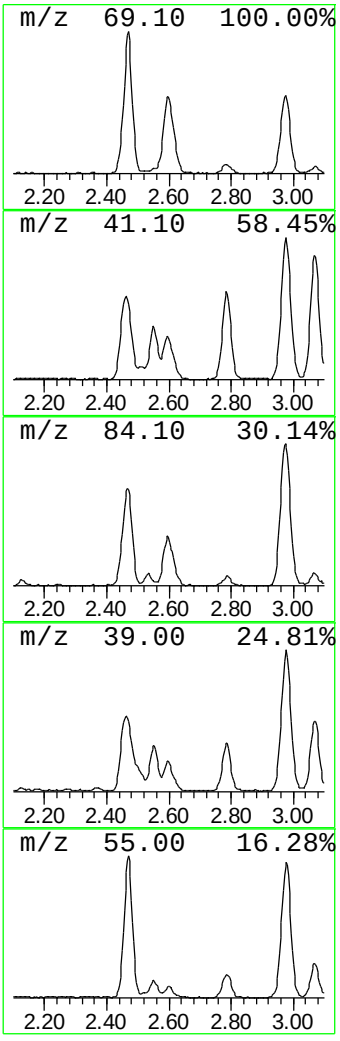
****

Peak Number 11 (DEL) Alkane: Cyclic2.60 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	0.83 ug/L	209861	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	80
2	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	72
3	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	72
4	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	72
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	72





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Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

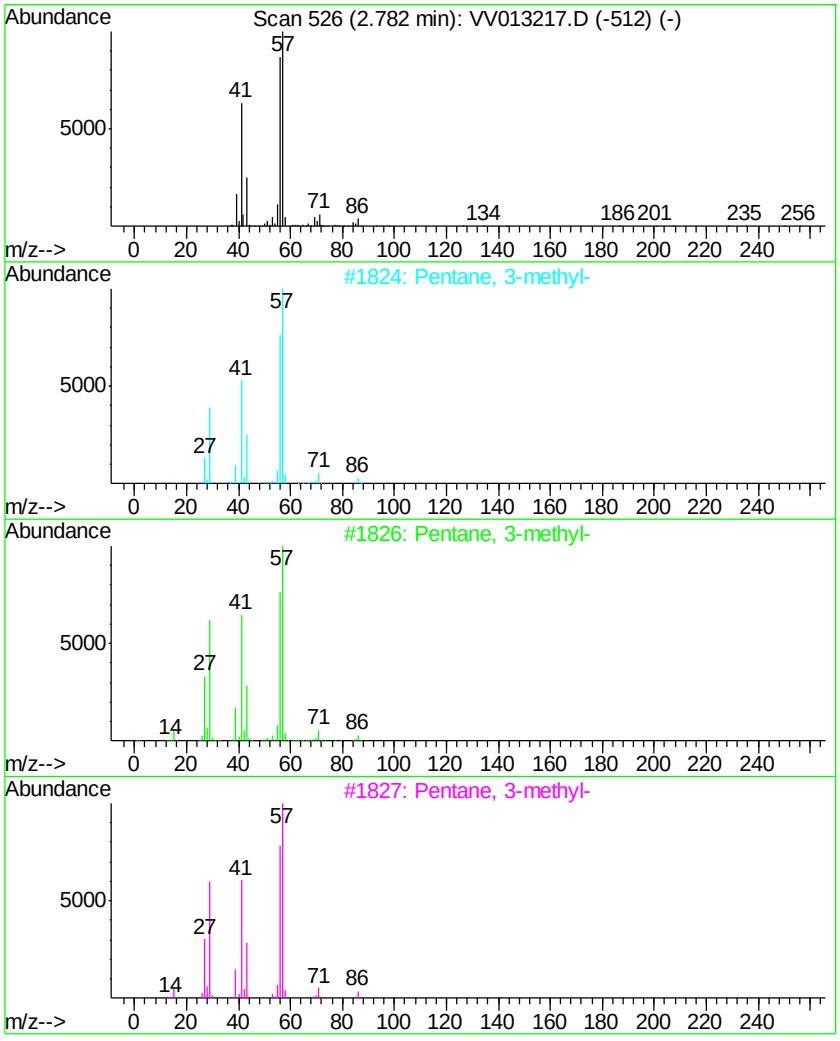
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

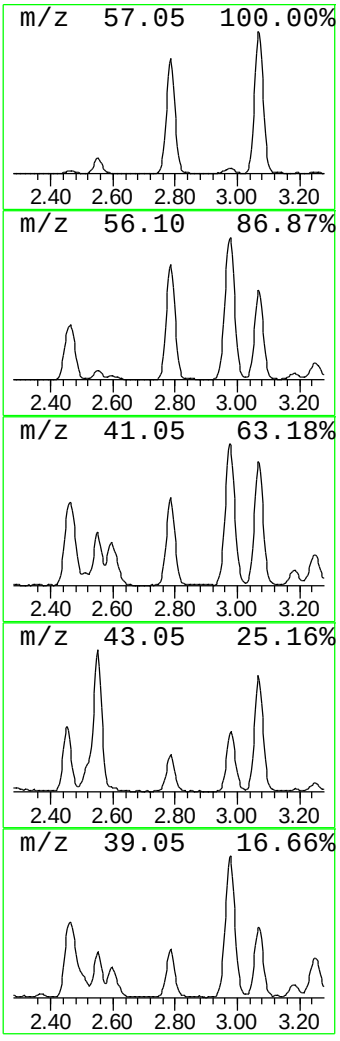
****

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	2.17 ug/L	547527	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56





Library Search Compound Report

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Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

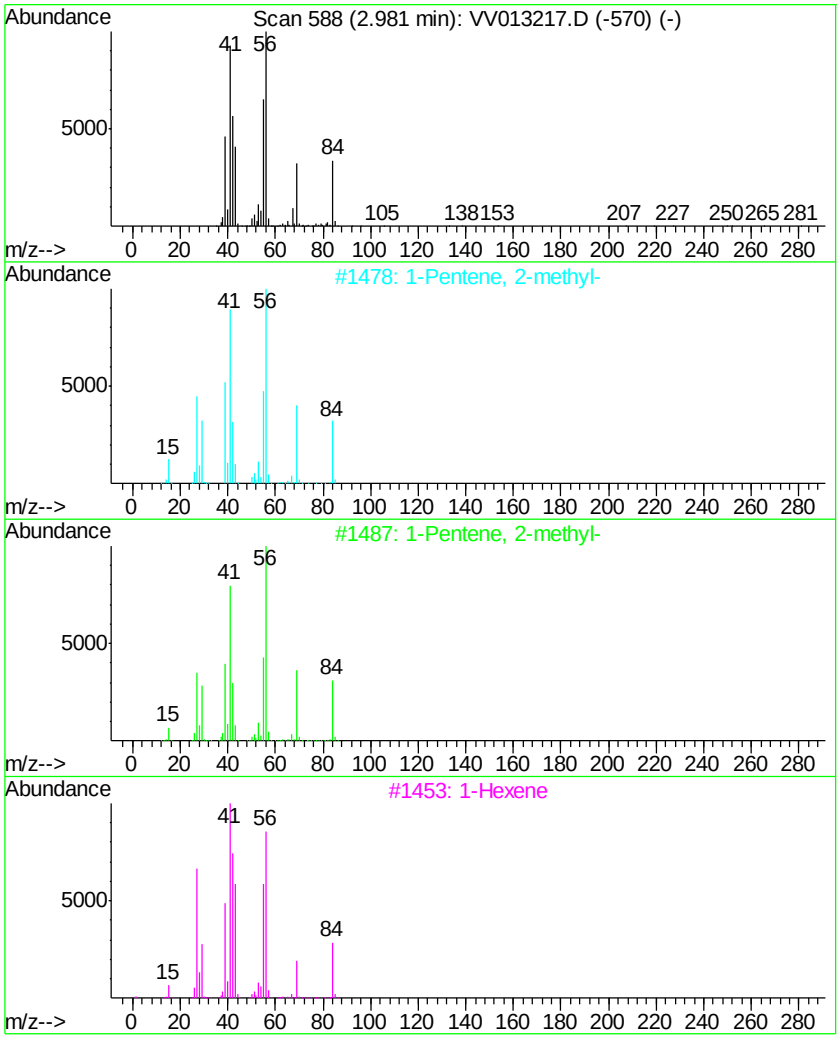
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

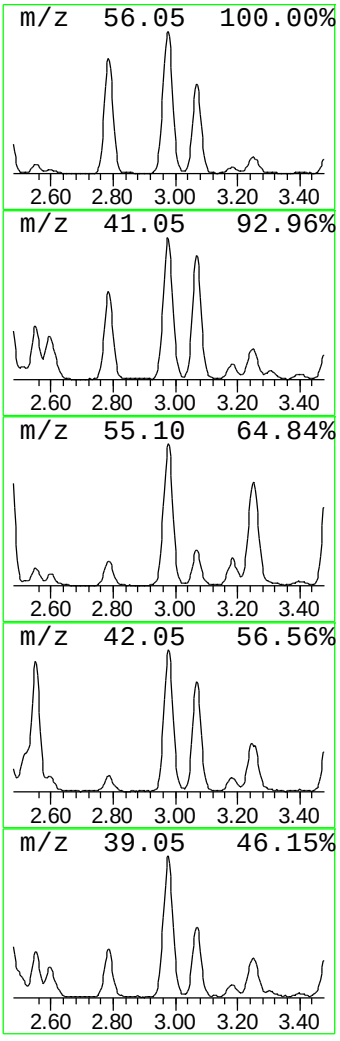
****

Peak Number 13 (DEL) Alkane: Cyclic2.98 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	4.00 ug/L	1008690	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
3	1-Hexene	84	C6H12	000592-41-6	81
4	1-Hexene	84	C6H12	000592-41-6	74
5	3-Hexene, (Z)-	84	C6H12	007642-09-3	53





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Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

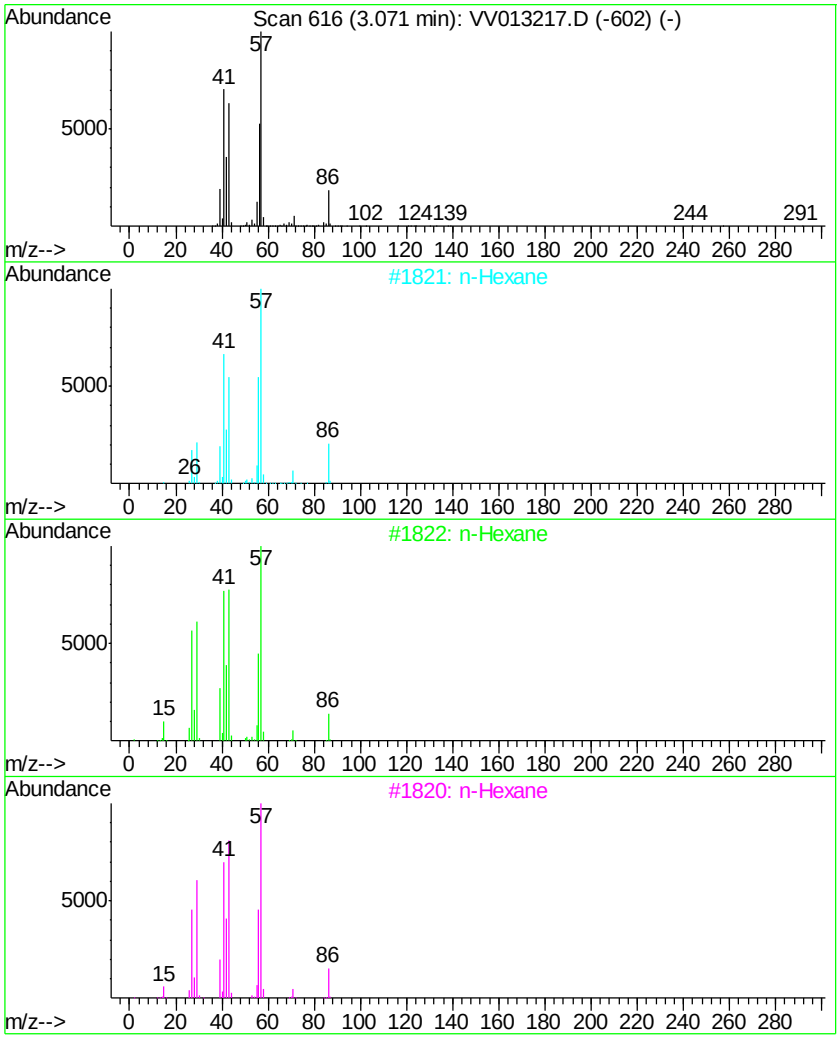
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

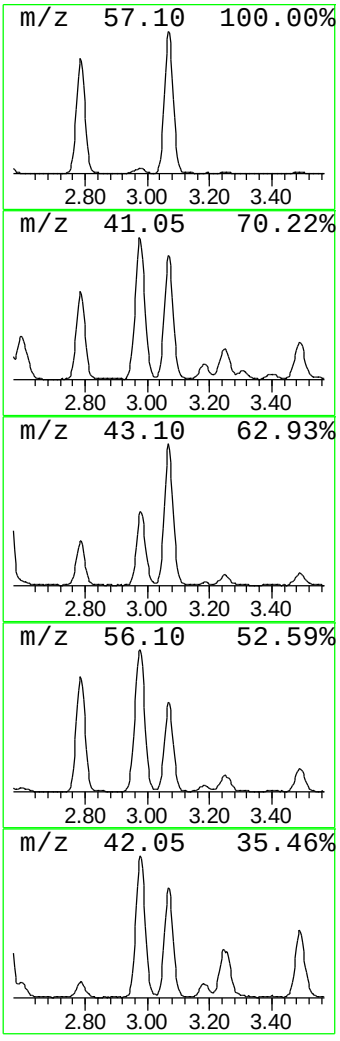
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	3.21 ug/L	810032	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	78
3	n-Hexane	86	C6H14	000110-54-3	78
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42





Library Search Compound Report

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Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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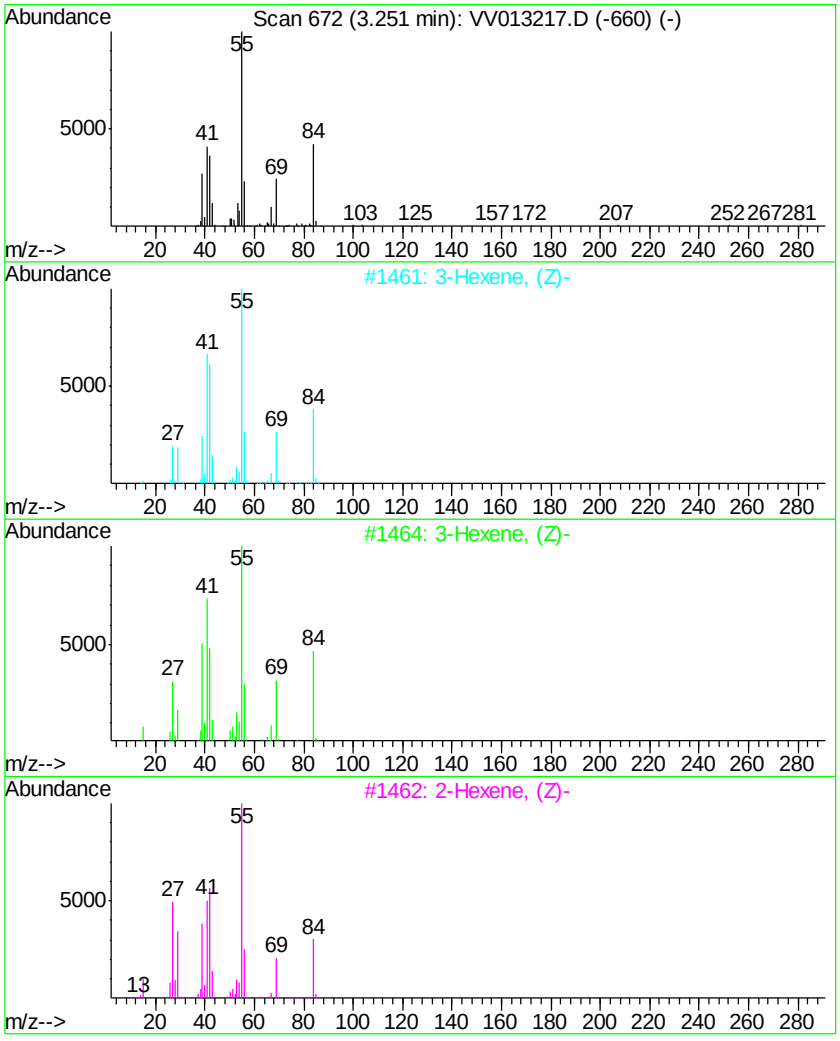
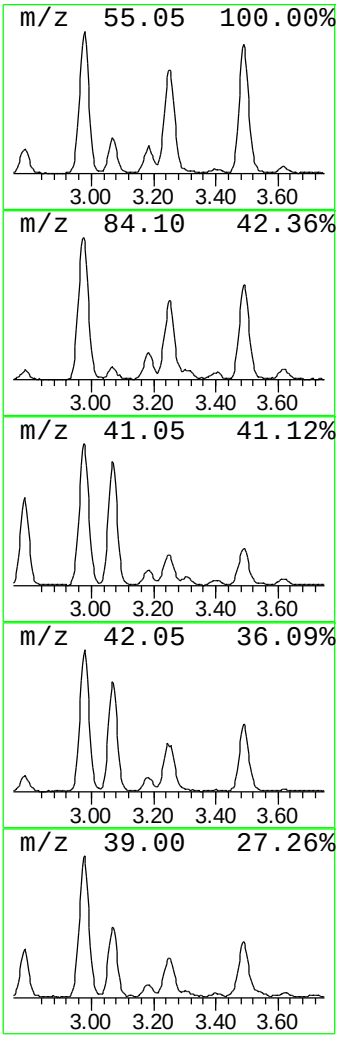
Peak Number 15 (DEL) Alkane: Cyclic3.25 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.25	1.15 ug/L	290753	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (Z)-	84	C6H12	007642-09-3	90
2	3-Hexene, (Z)-	84	C6H12	007642-09-3	87
3	2-Hexene, (Z)-	84	C6H12	007688-21-3	87
4	3-Hexene	84	C6H12	000592-47-2	87
5	3-Hexene, (Z)-	84	C6H12	007642-09-3	83





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Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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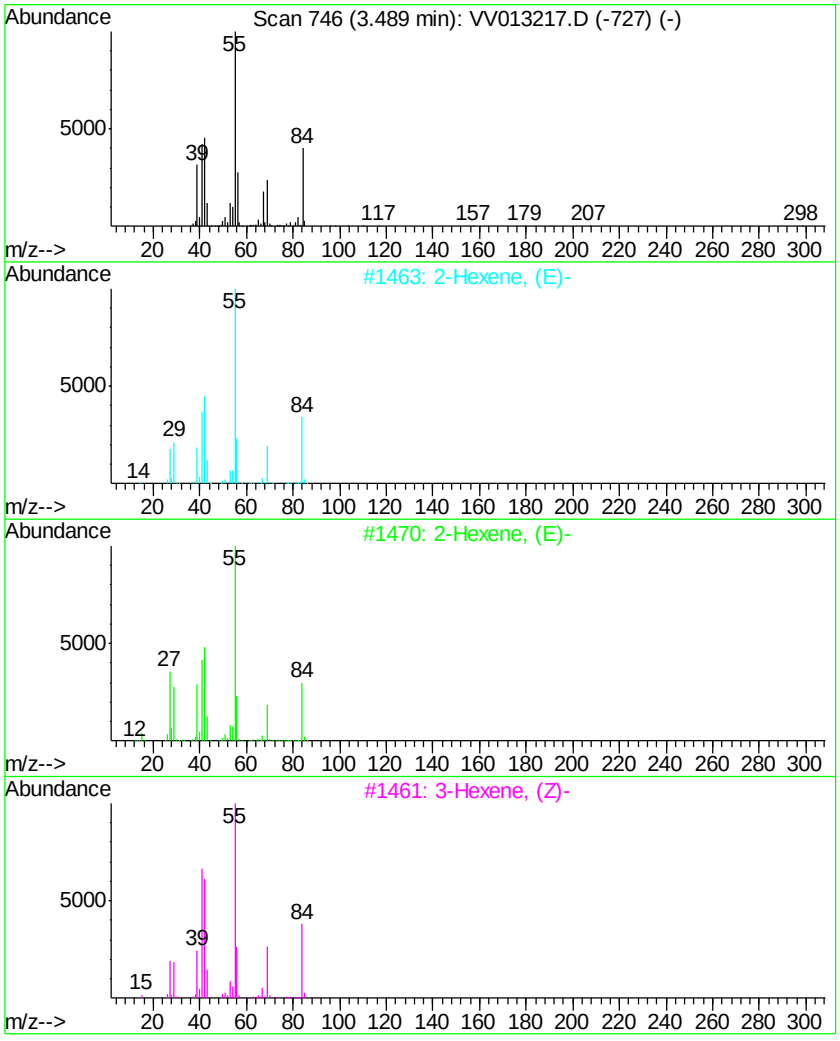
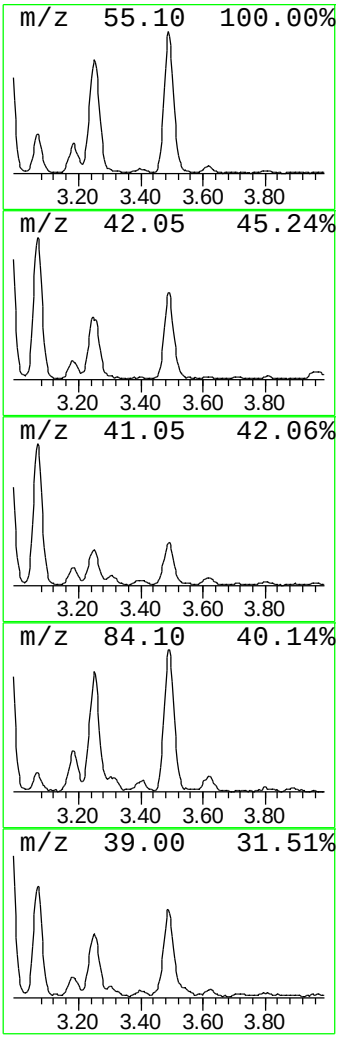
Peak Number 16 (DEL) Alkane: Cyclic3.49 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	1.97 ug/L	496454	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (E)-	84	C6H12	004050-45-7	90
2	2-Hexene, (E)-	84	C6H12	004050-45-7	90
3	3-Hexene, (Z)-	84	C6H12	007642-09-3	90
4	2-Hexene	84	C6H12	000592-43-8	90
5	2-Hexene	84	C6H12	000592-43-8	90





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Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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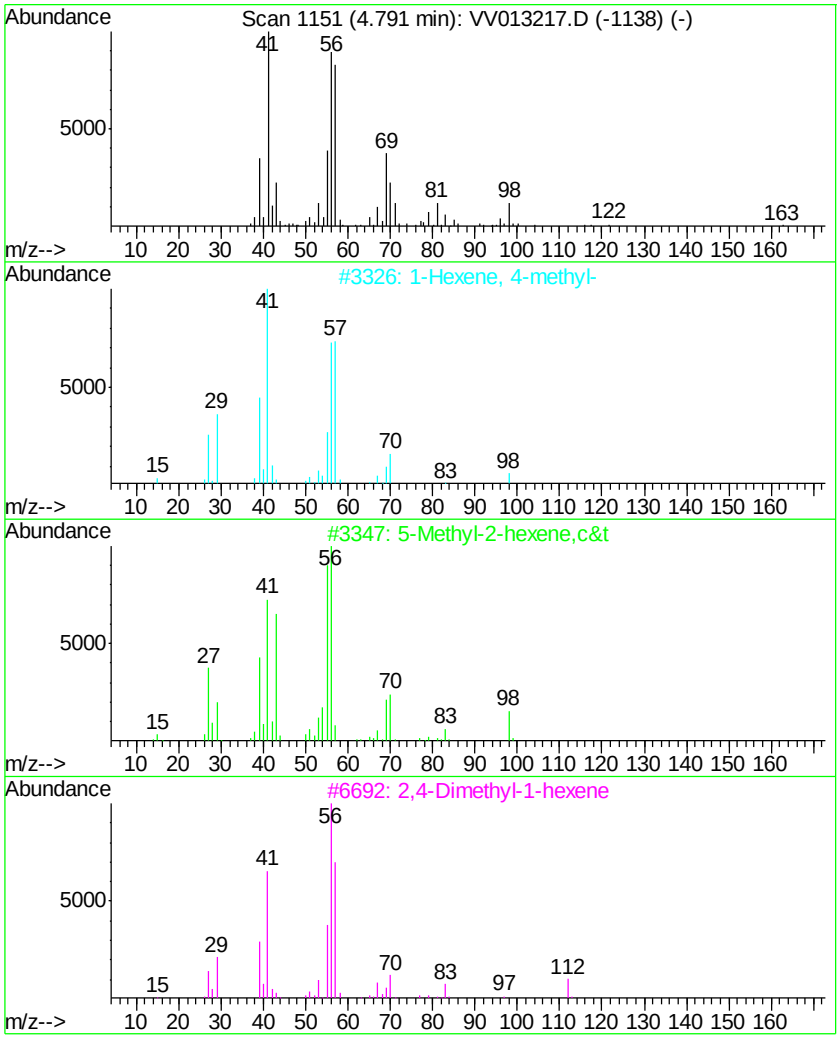
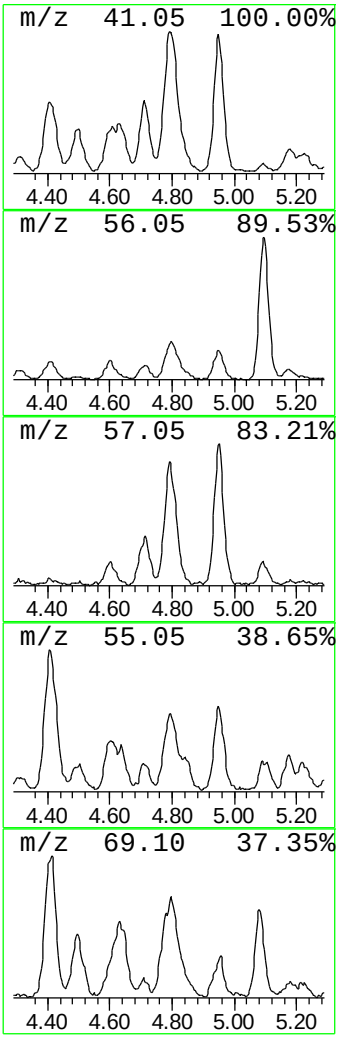
Peak Number 17 (DEL) Alkane: Cyclic4.79 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	1.36 ug/L	342643	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	74
2	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	62
3	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	53
4	2-Chloro-2-methylhexane	134	C7H15Cl	004398-65-6	53
5	Cyclobutanone, 3,3-dimethyl-	98	C6H10O	001192-33-2	52





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Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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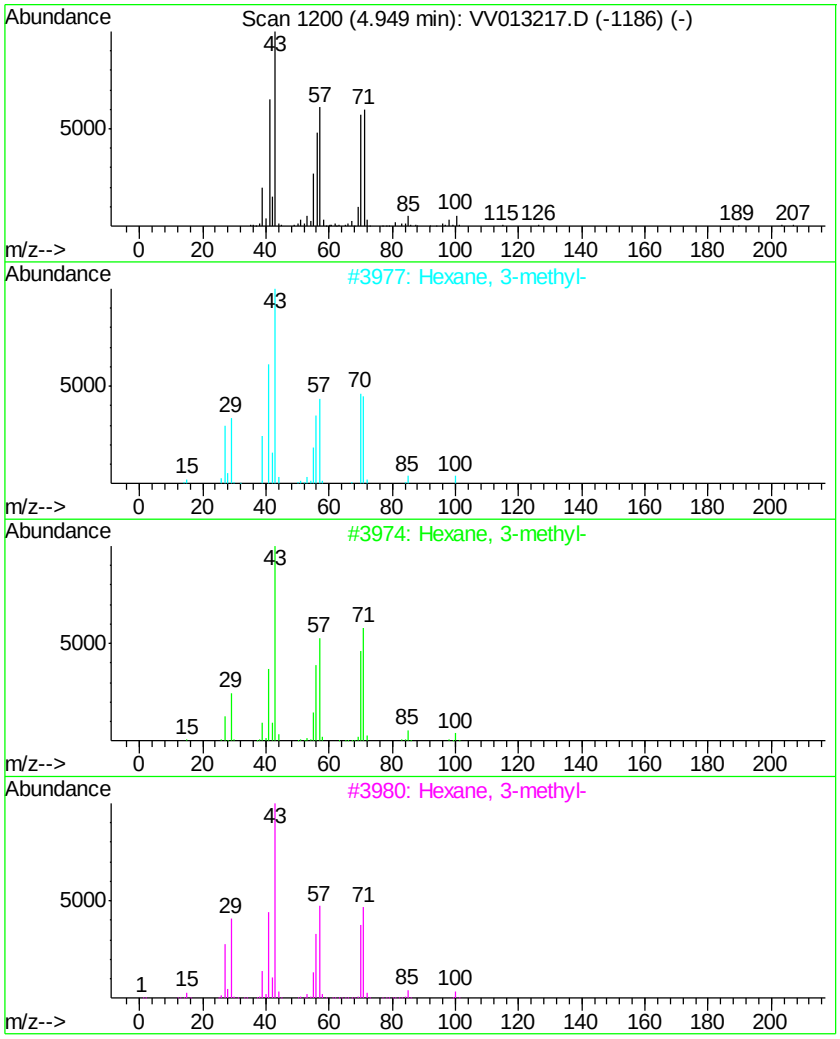
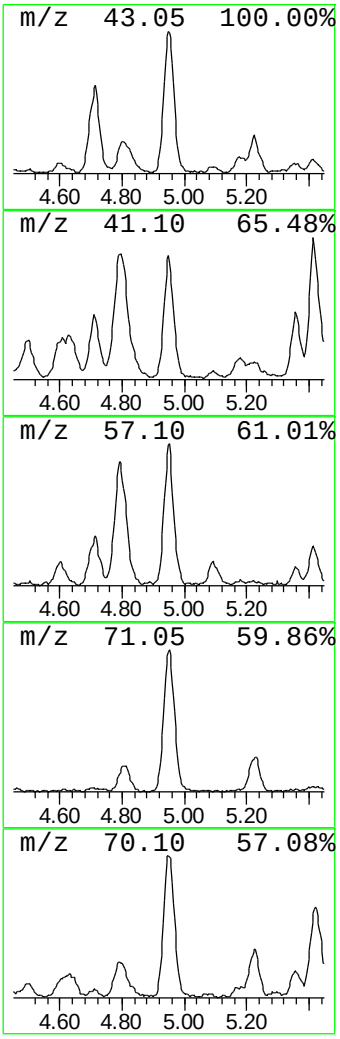
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	1.28 ug/L	322655	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	93
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	81
4	Heptane	100	C7H16	000142-82-5	59
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	53





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Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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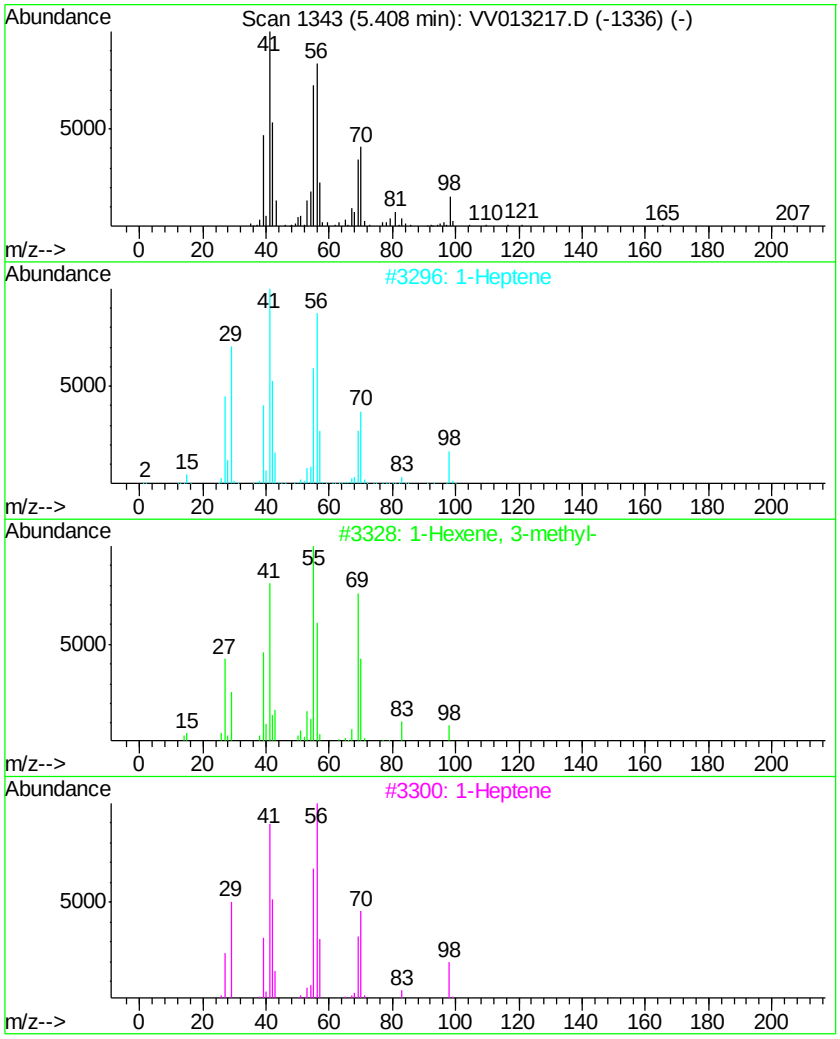
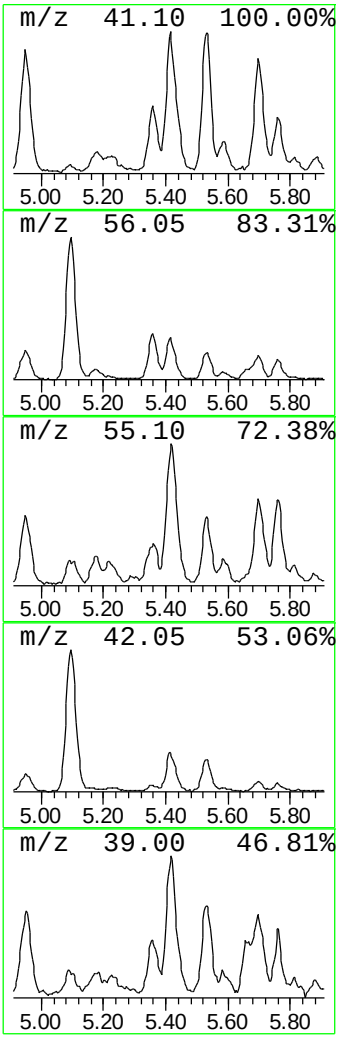
Peak Number 19 (DEL) Alkane: Cyclic5.41 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.41	1.08 ug/L	272603	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene	98	C7H14	000592-76-7	80
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	72
3	1-Heptene	98	C7H14	000592-76-7	64
4	1-Heptene	98	C7H14	000592-76-7	60
5	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

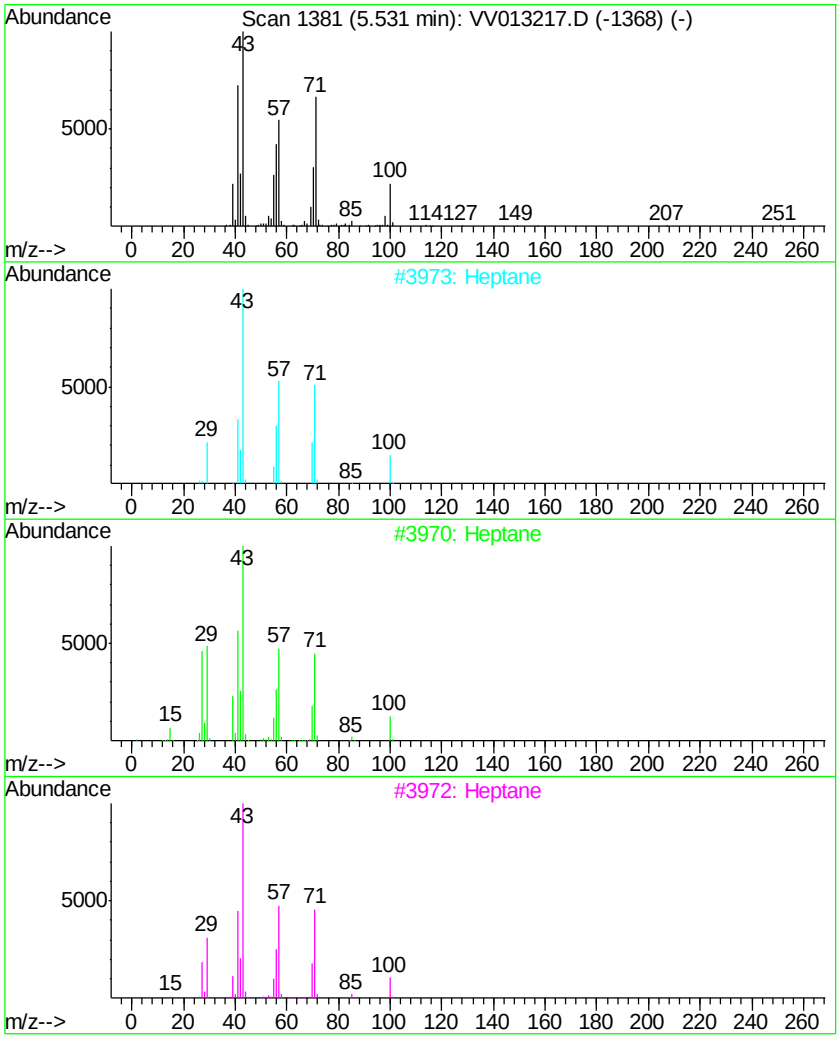
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

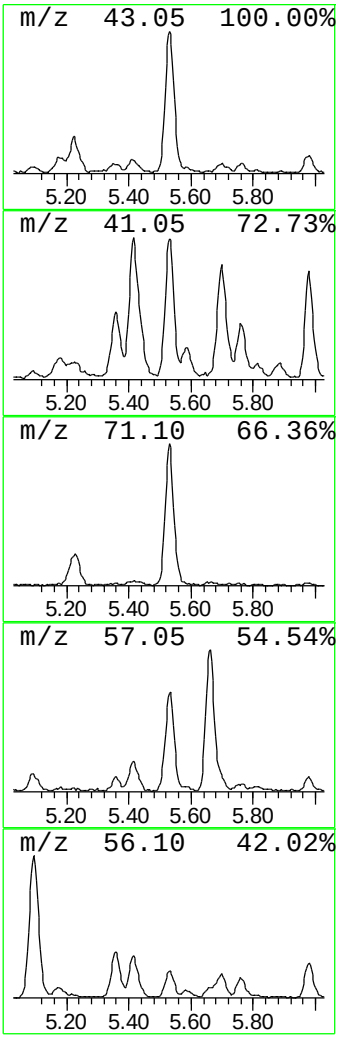
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	1.18 ug/L	297188	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	80
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	53
4	Heptane	100	C7H16	000142-82-5	49
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

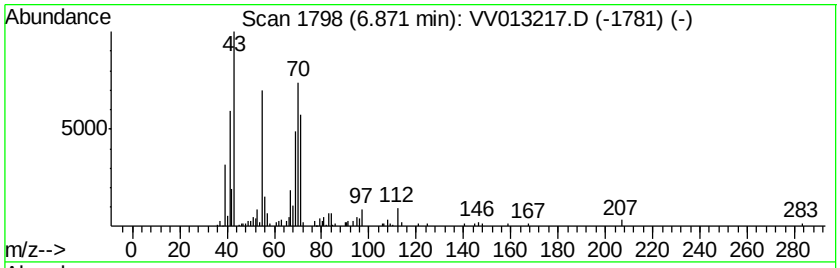
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

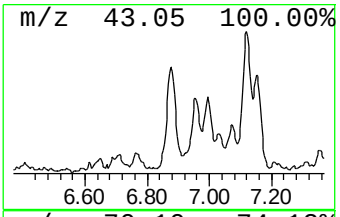
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

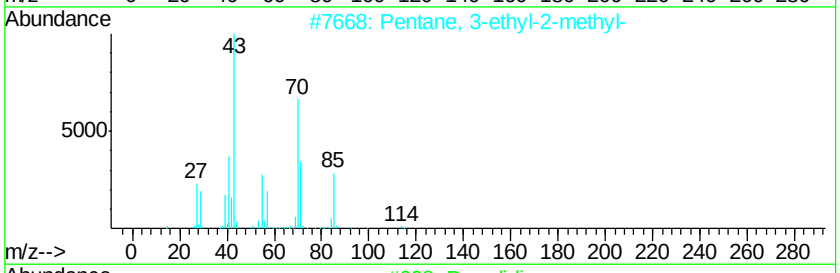
****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 22

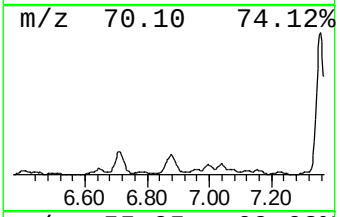
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	0.50 ug/L	126744	1,4-Difluorobenzene	5.66

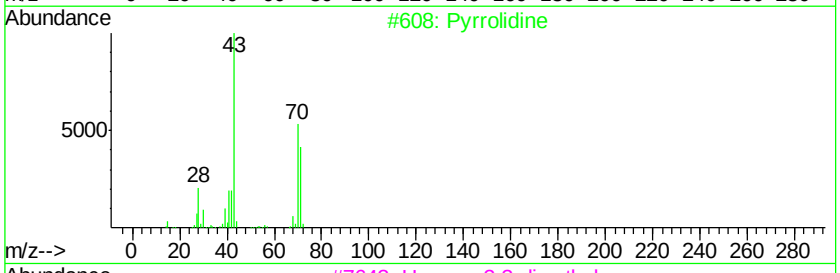
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	72
2	Pyrrolidine	71	C4H9N	000123-75-1	72
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64
4	Pyrrolidine	71	C4H9N	000123-75-1	64
5	Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	64

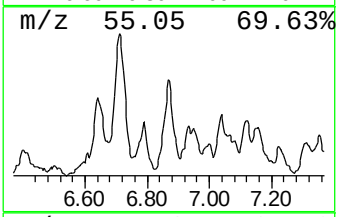


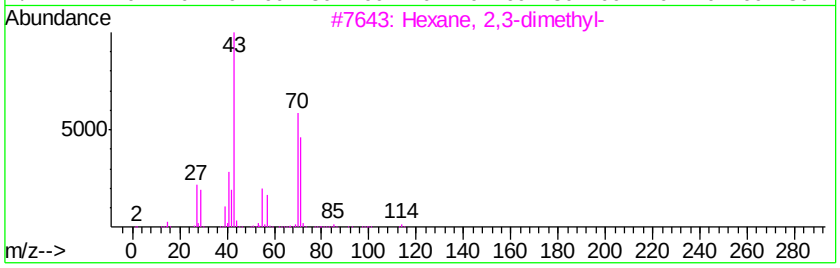


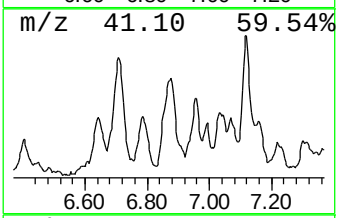


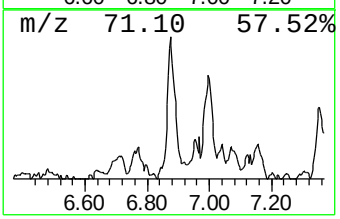












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E0AB1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	1.12	17.4	ug/L	4386050	1	5.66	1260470	5.0
(DEL) Alkane: Str...	1.23	2.0	ug/L	512085	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	1.42	2.3	ug/L	571735	1	5.66	1260470	5.0
(DEL) Alkane: Str...	1.65	2.9	ug/L	739709	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	1.78	4.1	ug/L	1030030	1	5.66	1260470	5.0
(DEL) Alkane: Str...	1.82	5.8	ug/L	1467150	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	1.92	1.3	ug/L	333005	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	2.00	2.1	ug/L	533678	1	5.66	1260470	5.0
(DEL) Alkane: Str...	2.47	3.1	ug/L	791740	1	5.66	1260470	5.0
(DEL) Alkane: Str...	2.55	1.9	ug/L	470683	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	2.60	0.8	ug/L	209861	1	5.66	1260470	5.0
(DEL) Alkane: Str...	2.78	2.2	ug/L	547527	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	2.98	4.0	ug/L	1008690	1	5.66	1260470	5.0
(DEL) Alkane: Str...	3.07	3.2	ug/L	810032	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	3.25	1.1	ug/L	290753	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	3.49	2.0	ug/L	496454	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	4.79	1.4	ug/L	342643	1	5.66	1260470	5.0
(DEL) Alkane: Str...	4.95	1.3	ug/L	322655	1	5.66	1260470	5.0
(DEL) Alkane: Cyc...	5.41	1.1	ug/L	272603	1	5.66	1260470	5.0
(DEL) Alkane: Str...	5.53	1.2	ug/L	297188	1	5.66	1260470	5.0
(DEL) Alkane: Str...	6.87	0.5	ug/L	126744	1	5.66	1260470	5.0