LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

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\SOMVTR111519WMA.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	1.315	62	70	79	rBV	319611	310143	3.72%	0.660%
2	1.579	145	152	160	rBV	152817	172726	2.07%	0.368%
3	1.647	163	173	189	rBV	2543058	3055707	36.70%	6.506%
4	1.820	219	227	243	rVB	622009	816857	9.81%	1.739%
5	1.917	249	257	268	rVB	139906	178656	2.15%	0.380%
6	2.042	288	296	307	rVB	160724	220117	2.64%	0.469%
7	2.129	313	323	344	rVB2	292568	621300	7.46%	1.323%
8	2.521	433	445	449	rBV	201343	363771	4.37%	0.775%
9	2.553	450	455	463	rVV2	267524	450641	5.41%	0.960%
10	2.602	463	470	486	rVB2	225866	442816	5.32%	0.943%
11	2.788	511	528	545	rBV	261966	521925	6.27%	1.111%
12	2.971	570	585	604	rBV2	54775	125514	1.51%	0.267%
13	3.071	604	616	631	rVB2	55329	109217	1.31%	0.233%
14	3.187	637	652	661	rBV4	43809	95997	1.15%	0.204%
15	3.254	663	673	681	rVV2	63988	130499	1.57%	0.278%
16	3.309	681	690	705	rVB2	89590	188038	2.26%	0.400%
17	3.399	706	718	731	rBV2	59458	132639	1.59%	0.282%
18	3.483	731	744	757	rBV6	45897	123822	1.49%	0.264%
19	3.618	774	786	802	rVB2	82808	184894	2.22%	0.394%
20	3.804	826	844	861	rBV	382501	959081	11.52%	2.042%
21	3.965	882	894	929	rBV	101228	470790	5.65%	1.002%
22	4.396	1012	1028	1049	rBV2	239486	596776	7.17%	1.271%
23	4.502	1051	1061	1082	rVB3	70757	164857	1.98%	0.351%
24	4.720	1112	1129	1144	rBV2	196337	492328	5.91%	1.048%
25	4.807	1145	1156	1178	rVB5	40670	123036	1.48%	0.262%
26	5.093	1227	1245	1255	rBV2	539824	1307521	15.70%	2.784%
27	5.270	1292	1300	1318	rVB5	41641	122017	1.47%	0.260%
28	5.659	1407	1421	1459	rBV	398335	954169	11.46%	2.032%
29	5.981	1502	1521	1536	rVB6	35307	95362	1.15%	0.203%
30	6.116	1547	1563	1574	rBV2	308538	656810	7.89%	1.398%
31	6.843	1771	1789	1799	rBV	57124	121209	1.46%	0.258%
32	7.026	1832	1846	1867	rBV2	142895	269073	3.23%	0.573%
33	7.357	1936	1949	1960	rBV	595651	1034711	12.43%	2.203%
34	7.428	1960	1971	1993	rVB	1423640	2442629	29.34%	5.201%

LSC Area Percent Report

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Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

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\SOMVTR111519WMA.M
Title : TRACE VOA SOM01.0

35	7.662	2035	2044	2061	rVB	87617	148986	1.79%	0.317%
36	8.138	2179	2192	2227	rBV2	532592	1285763	15.44%	2.738%
37	8.891	2413	2426	2445	rBV	568630	935780	11.24%	1.992%
38	9.051	2462	2476	2495	rBV	1664316	2552292	30.65%	5.434%
39	9.177	2501	2515	2544	rBV	5232624	8326105	100.00%	17.728%
40	9.582	2627	2641	2663	rBV	1246895	1926378	23.14%	4.102%
41	9.971	2751	2762	2777	rBV	90984	141492	1.70%	0.301%
42	10.257	2837	2851	2865	rBV	227968	372095	4.47%	0.792%
43	10.392	2881	2893	2910	rBV	332571	528416	6.35%	1.125%
44	10.485	2910	2922	2941	rVV	1177382	2531056	30.40%	5.389%
45	10.579	2941	2951	2966	rVB	585098	880601	10.58%	1.875%
46	10.778	2999	3013	3028	rBV	488427	769280	9.24%	1.638%
47	10.952	3055	3067	3085	rBV	2376231	3523208	42.32%	7.502%
48	11.289	3161	3172	3188	rVB	616607	953928	11.46%	2.031%
49	11.376	3188	3199	3213	rBV	455227	689569	8.28%	1.468%
50	11.569	3247	3259	3270	rBV	331012	610013	7.33%	1.299%
51	11.666	3279	3289	3309	rVB2	729650	1262747	15.17%	2.689%
52	11.952	3366	3378	3383	rBV2	79882	122295	1.47%	0.260%
53	11.981	3383	3387	3401	rVB	63672	91691	1.10%	0.195%
54	12.058	3401	3411	3417	rBV	113452	173799	2.09%	0.370%
55	12.157	3432	3442	3458	rBV	104593	176767	2.12%	0.376%
56	12.453	3524	3534	3542	rBV	80403	121864	1.46%	0.259%
57	12.508	3542	3551	3564	rVB	116096	176640	2.12%	0.376%
58	12.765	3622	3631	3641	rVB	89788	133932	1.61%	0.285%
59	12.926	3669	3681	3692	rBV2	180450	278722	3.35%	0.593%
60	13.550	3864	3875	3887	rBV	112243	197116	2.37%	0.420%

Sum of corrected areas: 46966183

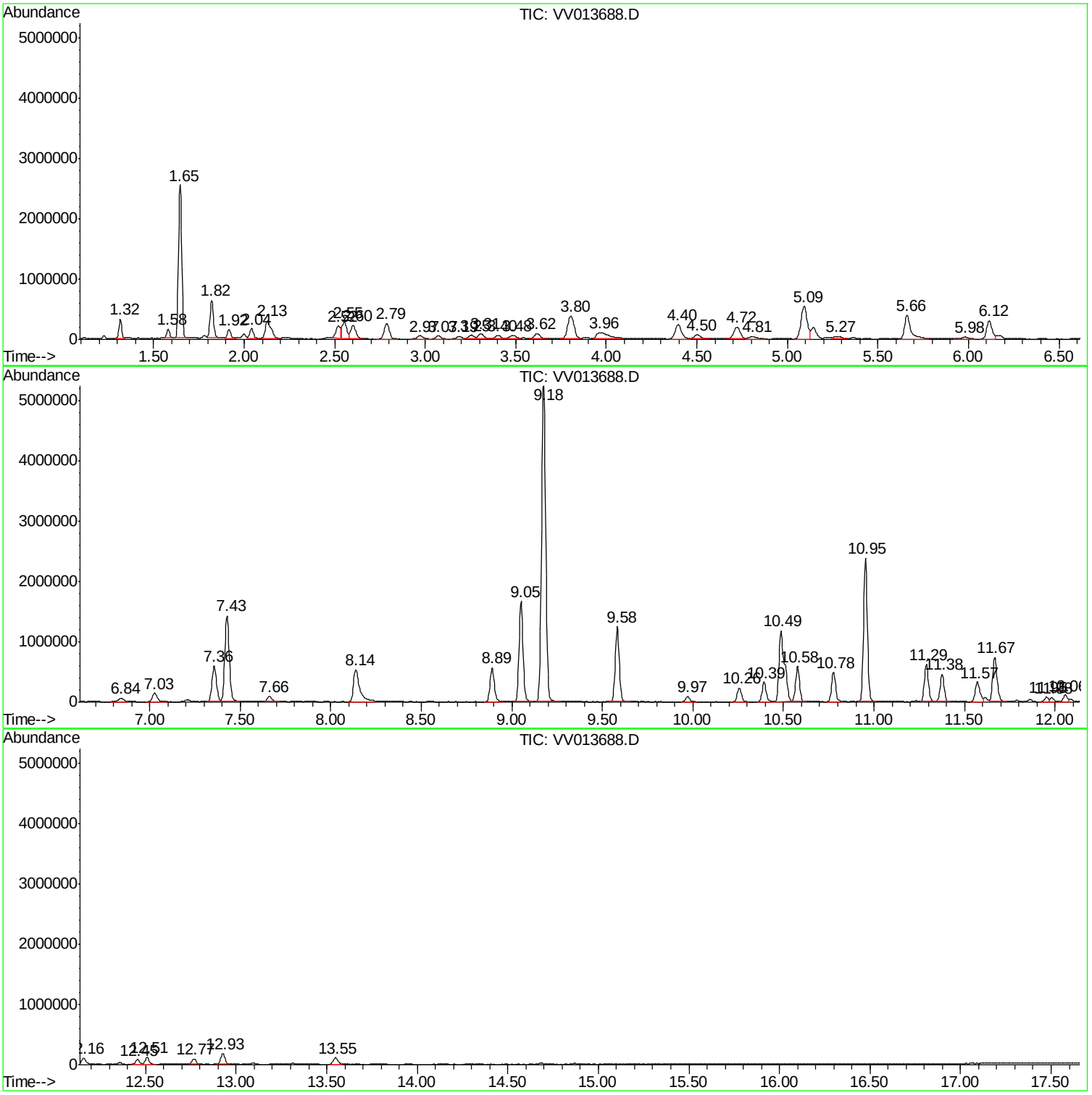
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

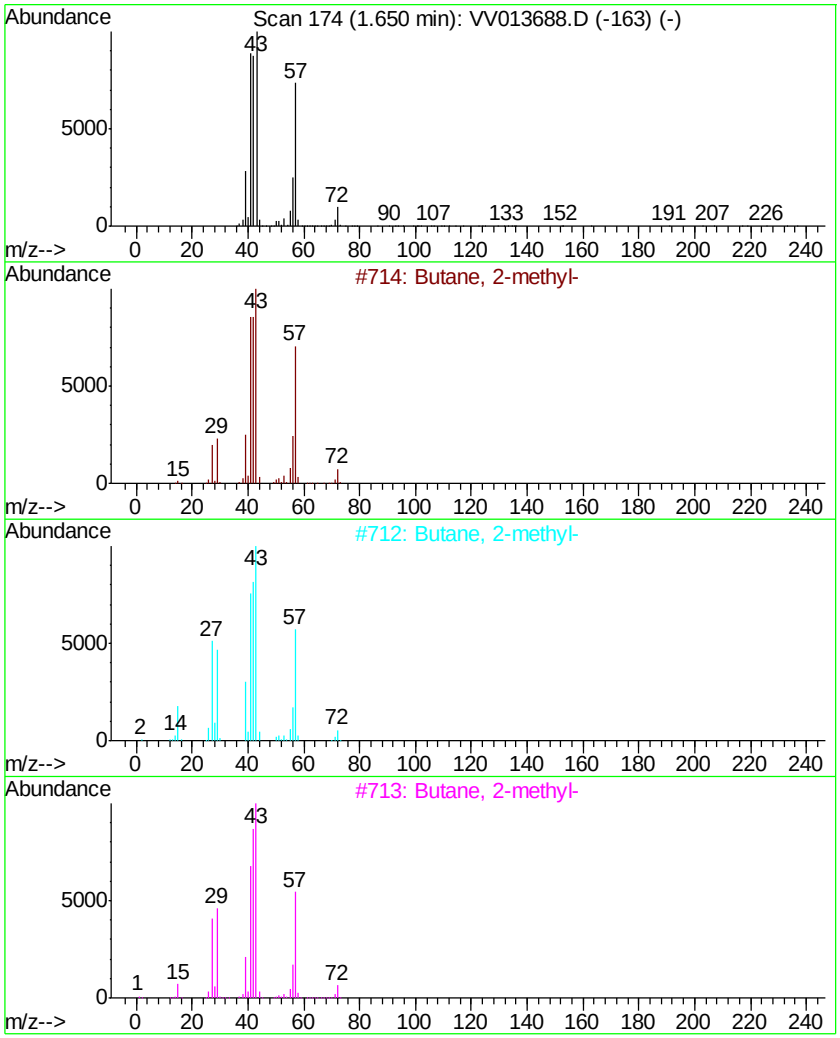
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

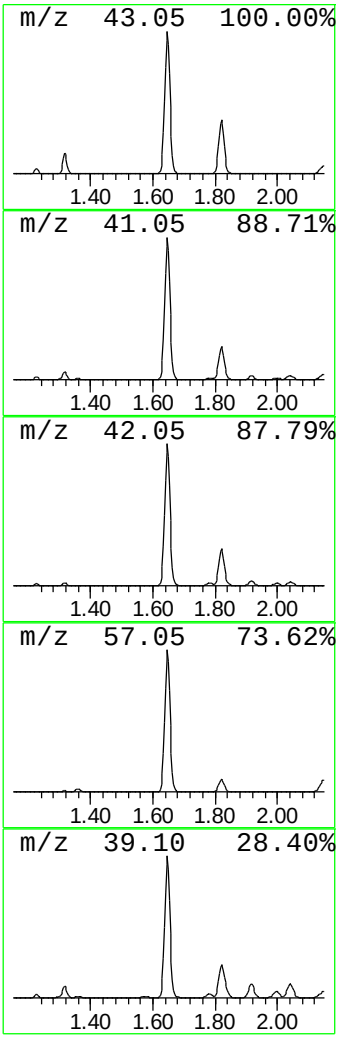
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	16.01 ug/L	3055710	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	90
3	Butane, 2-methyl-	72	C5H12	000078-78-4	87
4	Pentane	72	C5H12	000109-66-0	37
5	3-Buten-1-ol	72	C4H8O	000627-27-0	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

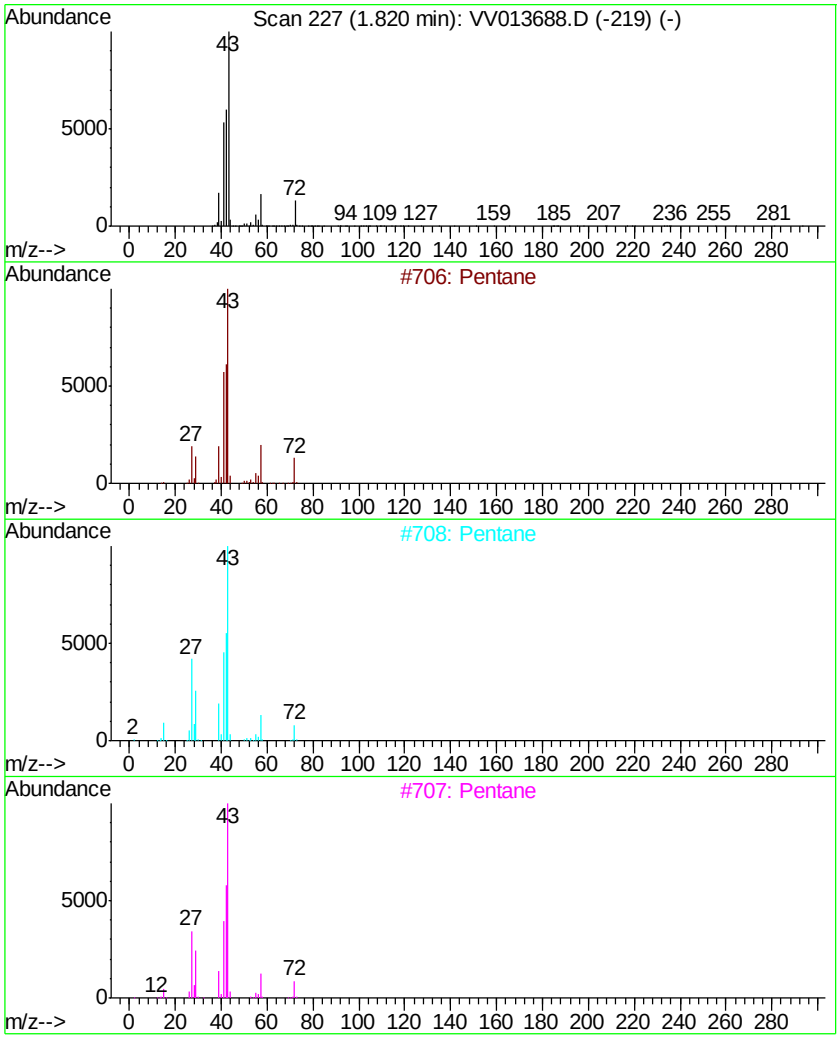
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

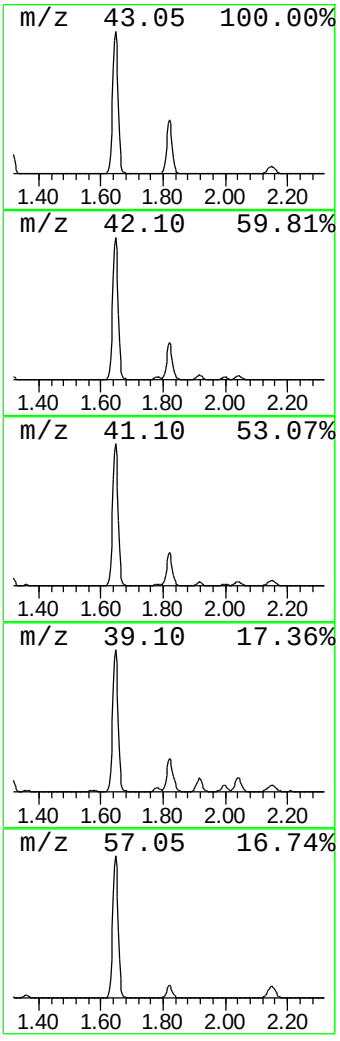
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	4.28 ug/L	816857	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	86
4	Pentane	72	C5H12	000109-66-0	86
5	Butane, 2-methyl-	72	C5H12	000078-78-4	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

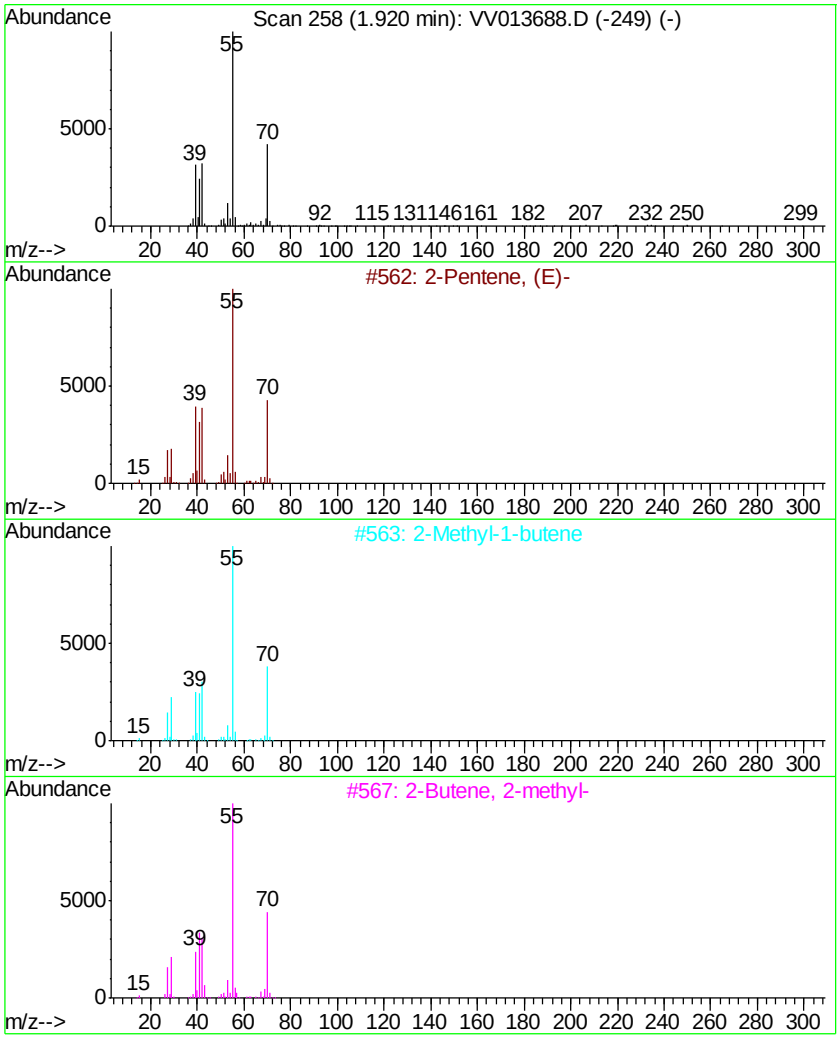
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

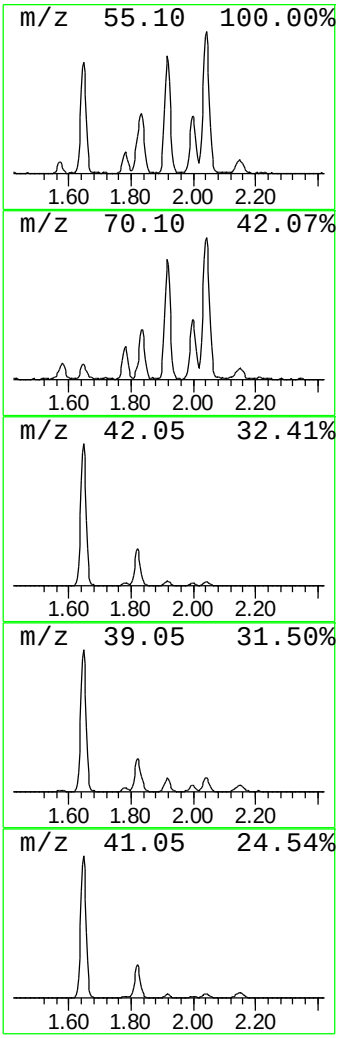
****

Peak Number 3 (DEL) Alkane: Cyclic1.92 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.92	0.94 ug/L	178656	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	93
2	2-Methyl-1-butene	70	C5H10	000563-46-2	87
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	87
5	2-Pentene	70	C5H10	000109-68-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

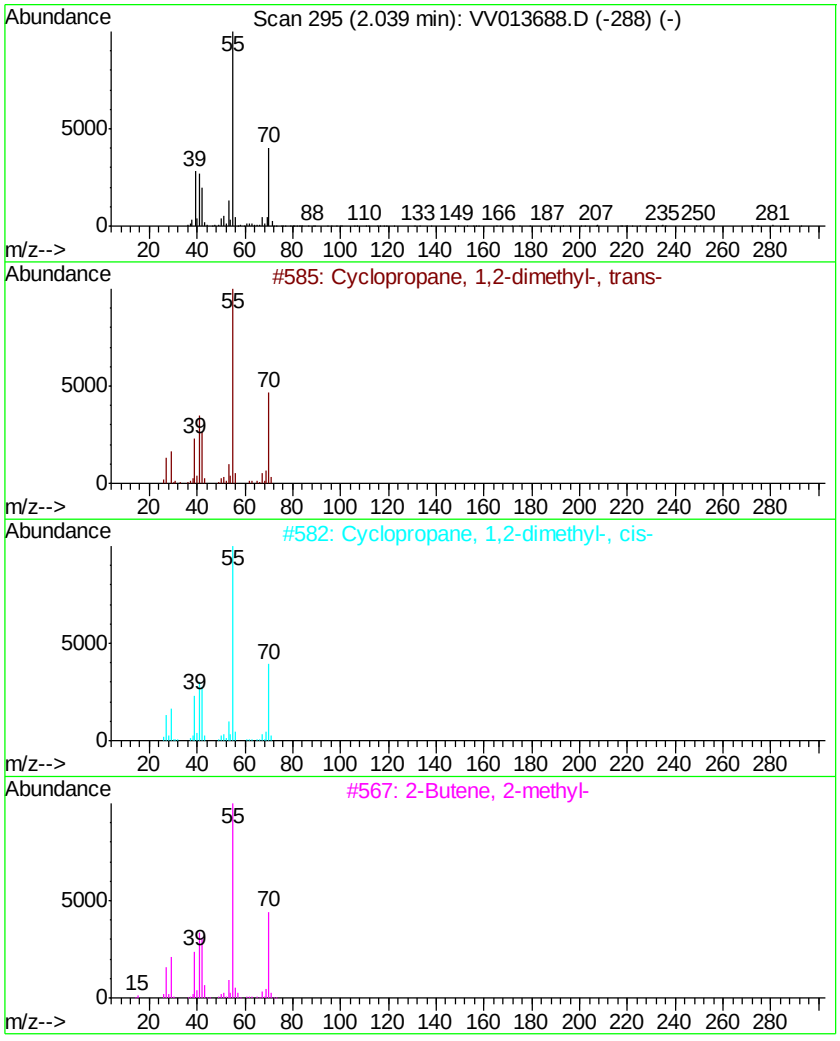
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

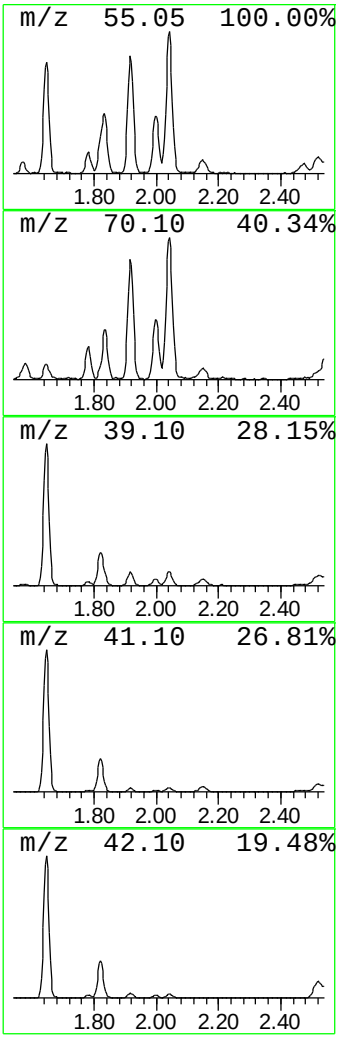
****

Peak Number 4 (DEL) Alkane: Cyclic2.04 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	1.15 ug/L	220117	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	90
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Pentene, (E)-	70	C5H10	000646-04-8	83
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

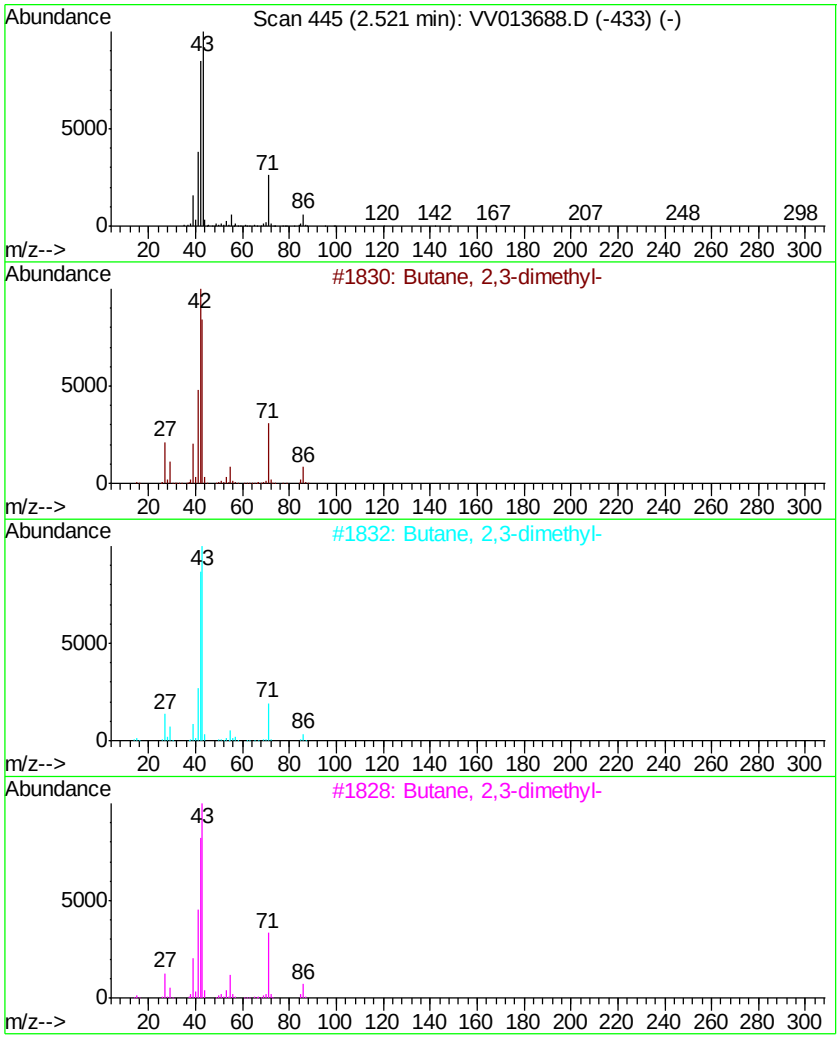
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

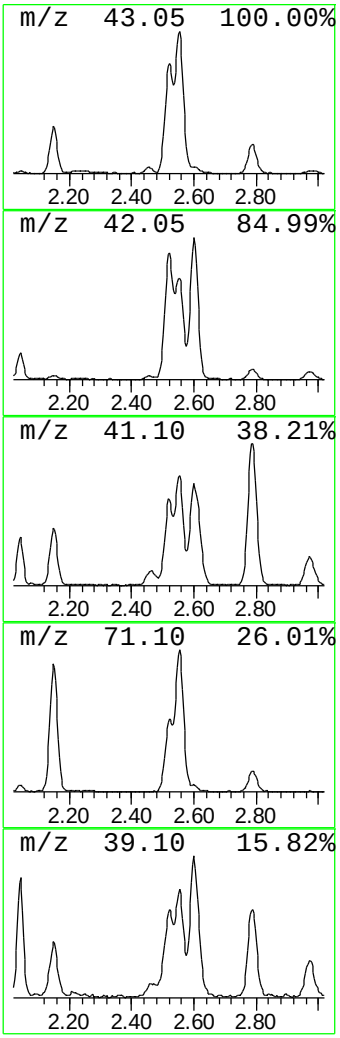
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.52	1.91 ug/L	363771	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

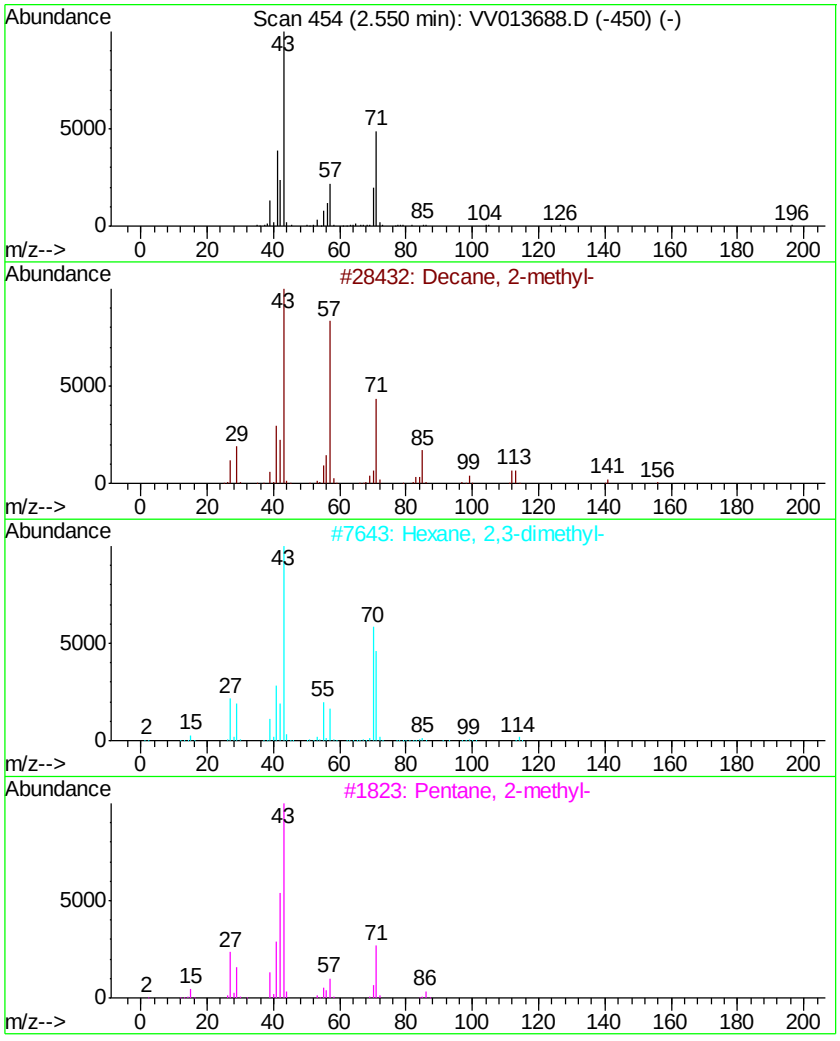
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

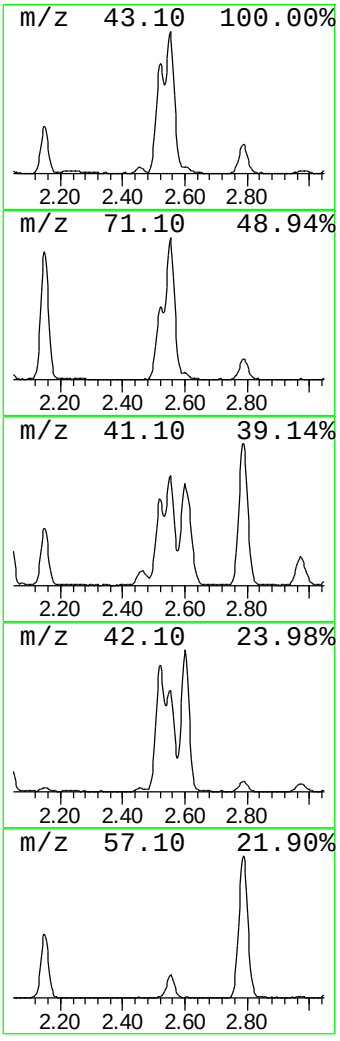
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	2.36 ug/L	450641	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	40
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	38
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	36
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

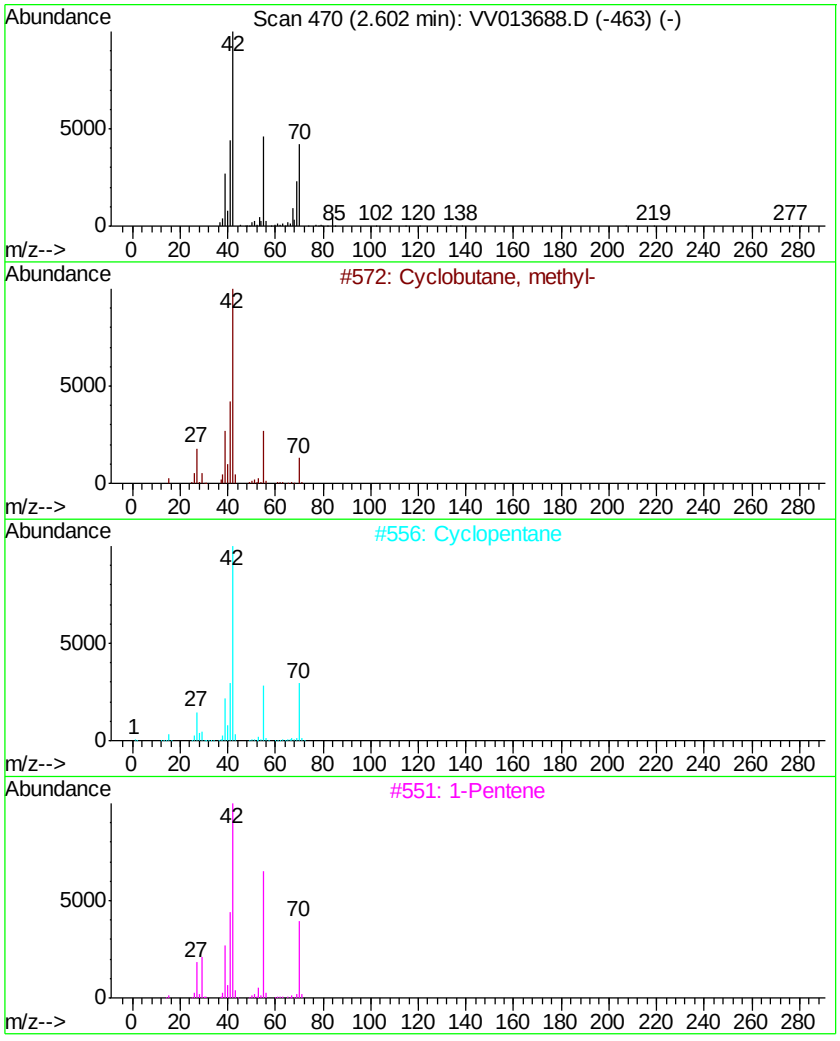
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

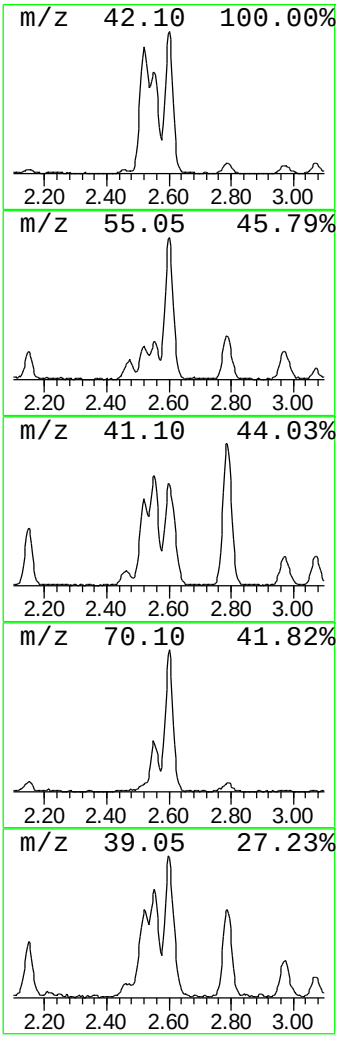
****

Peak Number 7 (DEL) Alkane: Cyclic2.60 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	2.32 ug/L	442816	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
2	Cyclopentane	70	C5H10	000287-92-3	72
3	1-Pentene	70	C5H10	000109-67-1	64
4	1-Pentene	70	C5H10	000109-67-1	59
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

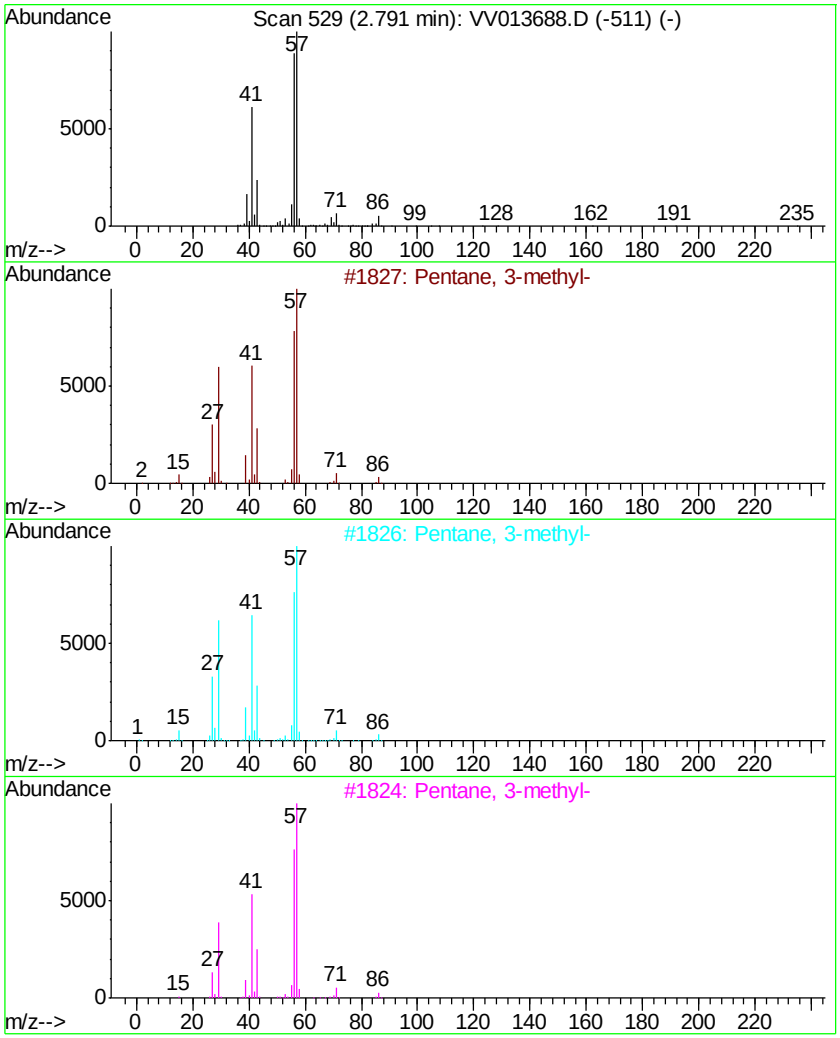
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

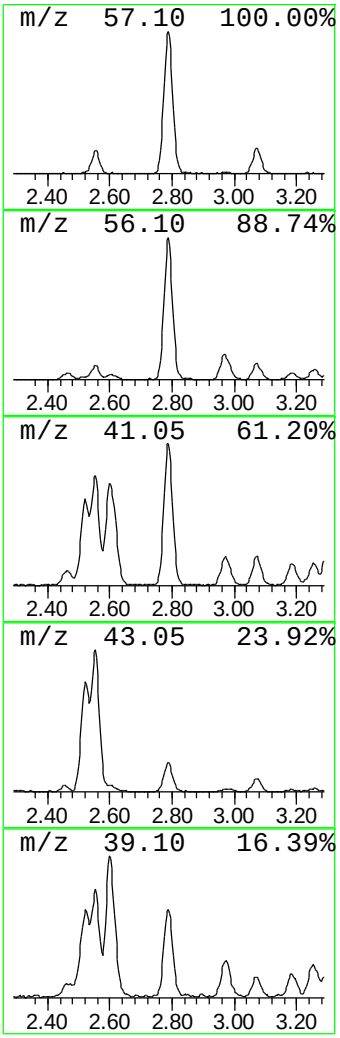
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	2.73 ug/L	521925	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	87
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

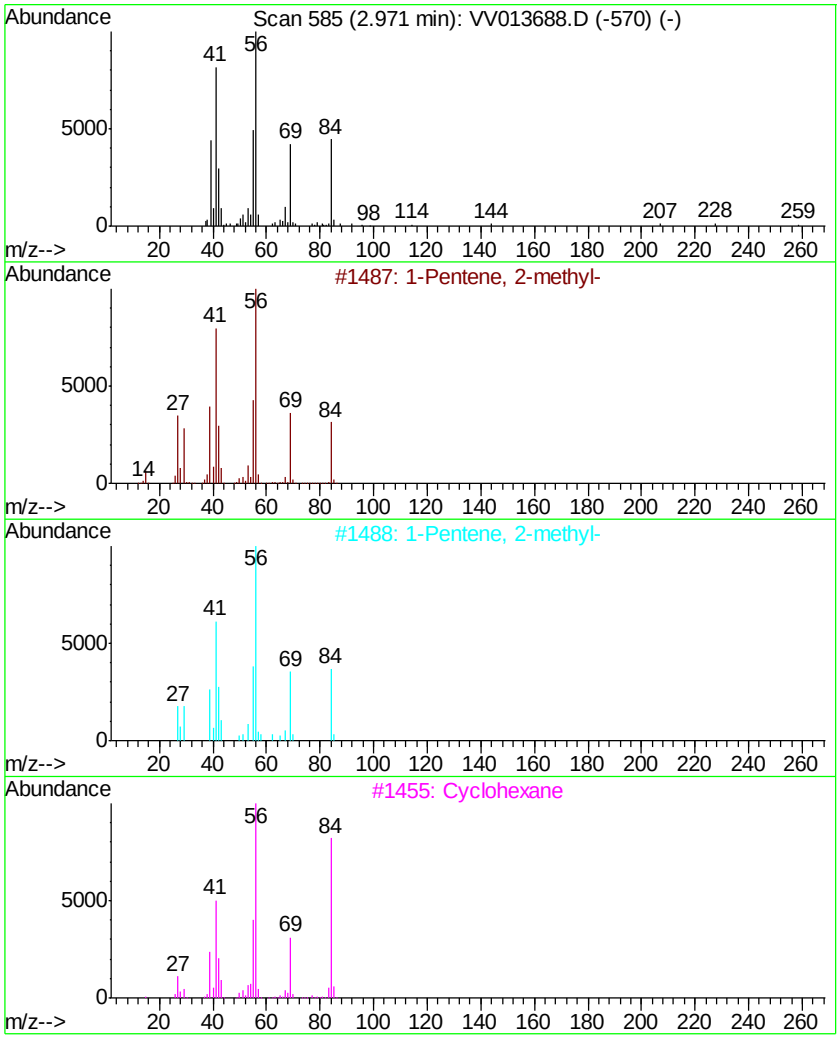
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

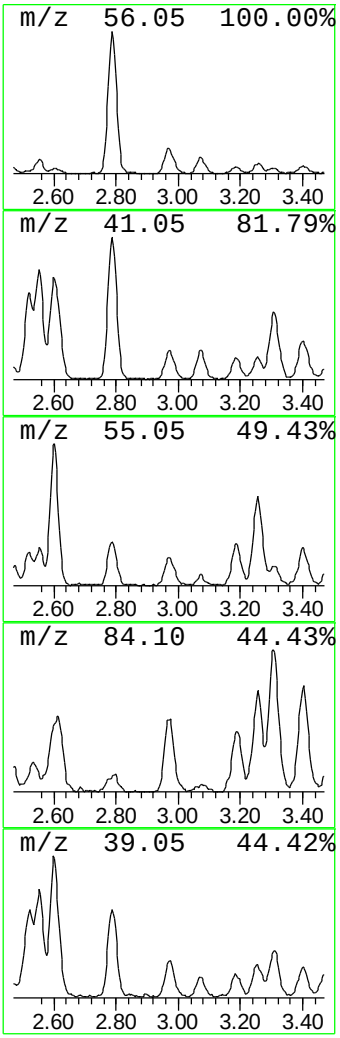
****

Peak Number 9 (DEL) Alkane: Cyclic2.97 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	0.66 ug/L	125514	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	93
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	81
3	Cyclohexane	84	C6H12	000110-82-7	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	58
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	58





Library Search Compound Report

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Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

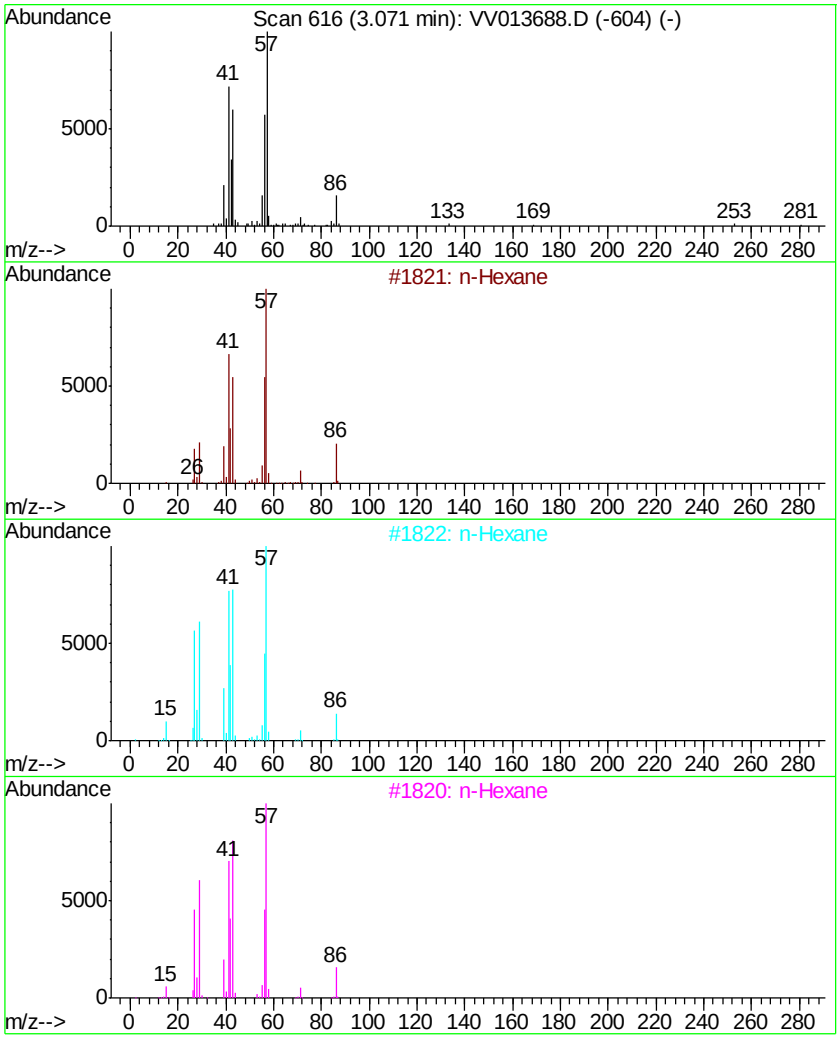
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

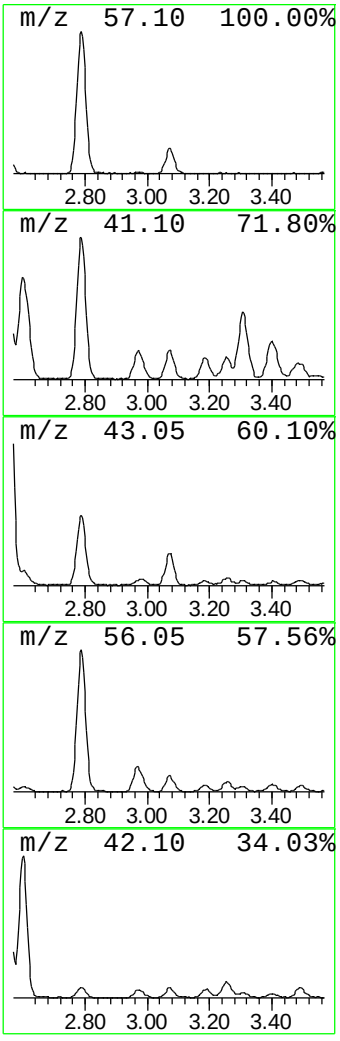
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	0.57 ug/L	109217	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	83
2	n-Hexane	86	C6H14	000110-54-3	80
3	n-Hexane	86	C6H14	000110-54-3	52
4	1-Butanol	74	C4H10O	000071-36-3	47
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

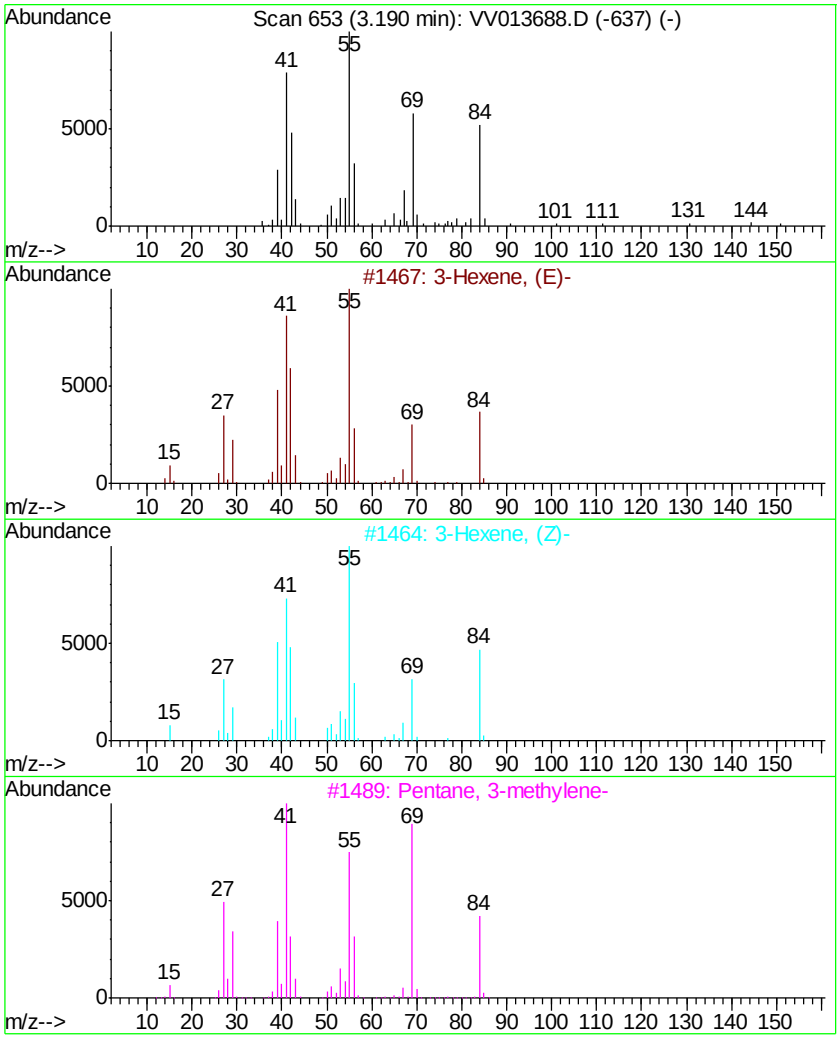
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

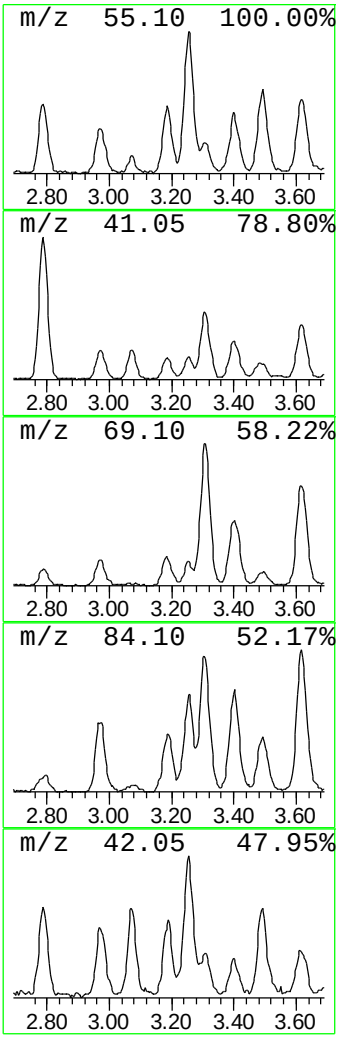
****

Peak Number 11 (DEL) Alkane: Cyclic3.19 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	0.50 ug/L	95997	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (E)-	84	C6H12	013269-52-8	91
2	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	87
4	2-Hexene, (Z)-	84	C6H12	007688-21-3	87
5	2-Hexene	84	C6H12	000592-43-8	87





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Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

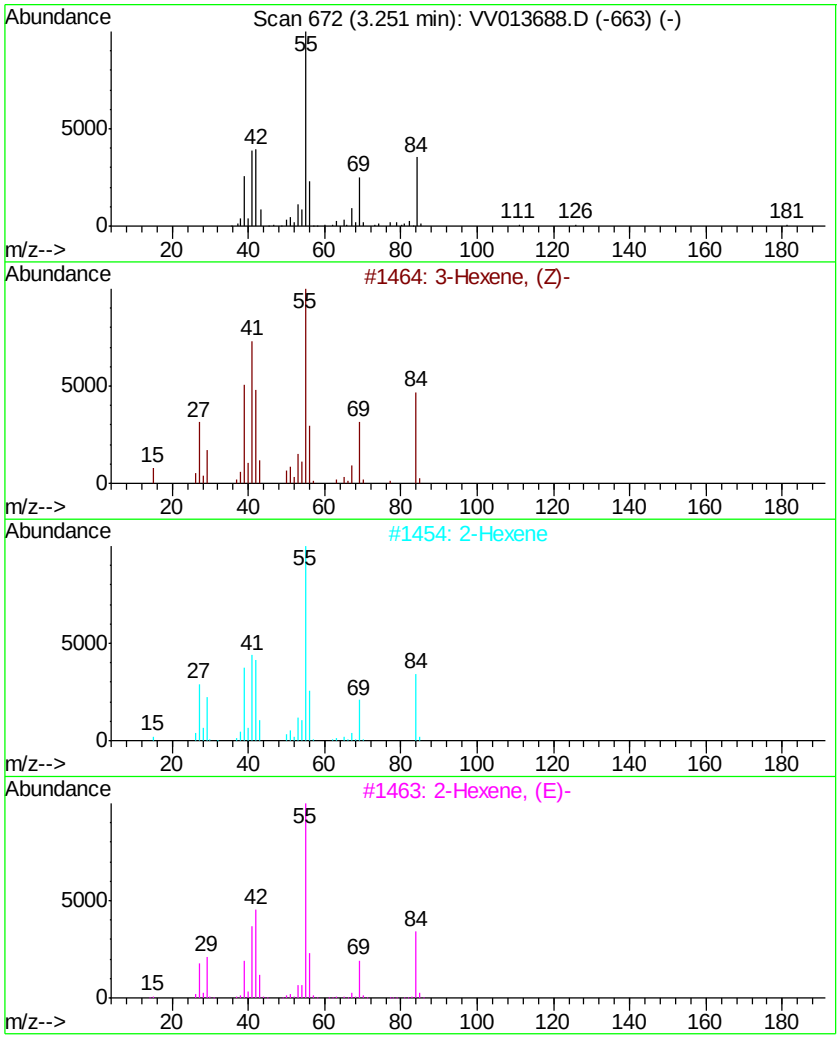
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

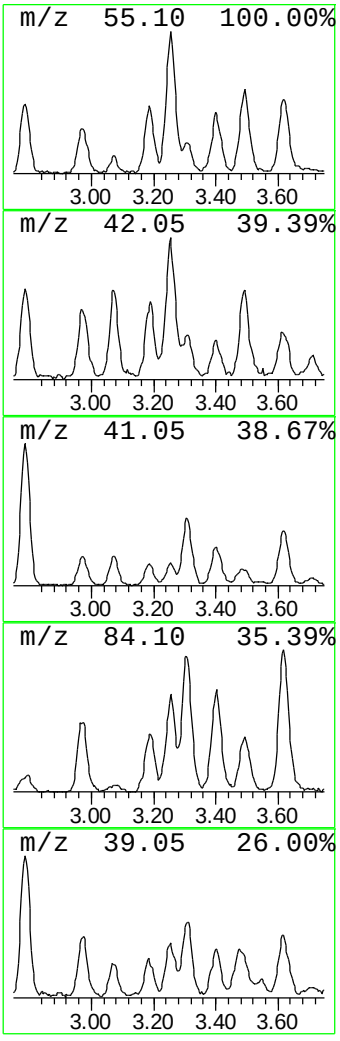
****

Peak Number 12 (DEL) Alkane: Cyclic3.25 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.25	0.68 ug/L	130499	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	2-Hexene	84	C6H12	000592-43-8	87
3	2-Hexene, (E)-	84	C6H12	004050-45-7	86
4	2-Hexene	84	C6H12	000592-43-8	86
5	3-Hexene, (E)-	84	C6H12	013269-52-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

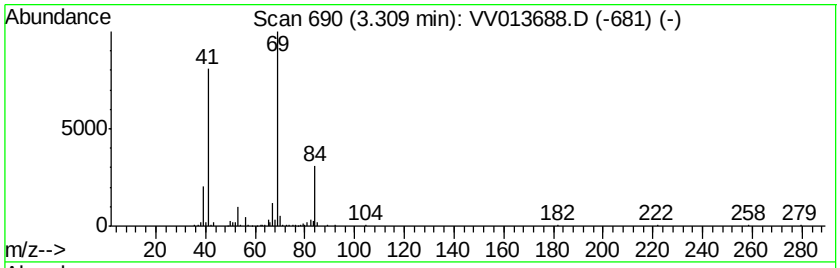
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

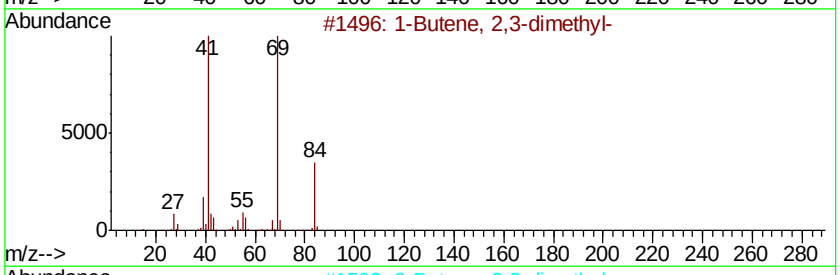
****

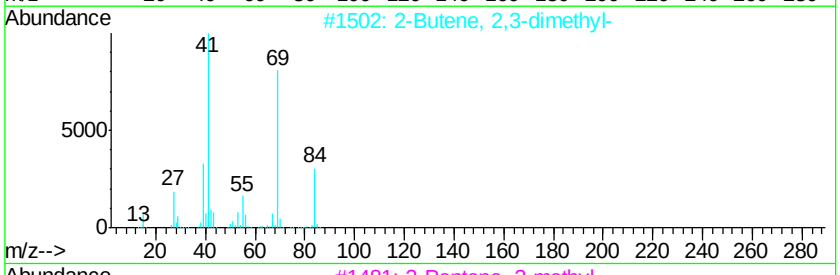
Peak Number 13 (DEL) Alkane: Cyclic3.31 Concentration Rank 19

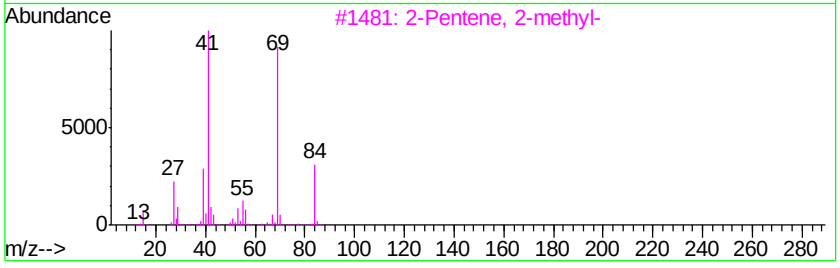
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.31	0.99 ug/L	188038	1,4-Difluorobenzene	5.66

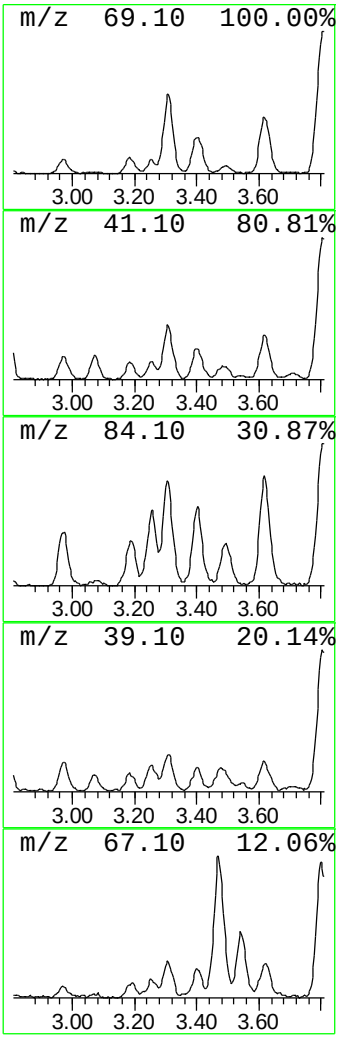
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	80
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	78
3	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	78
4	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	72
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	72











Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

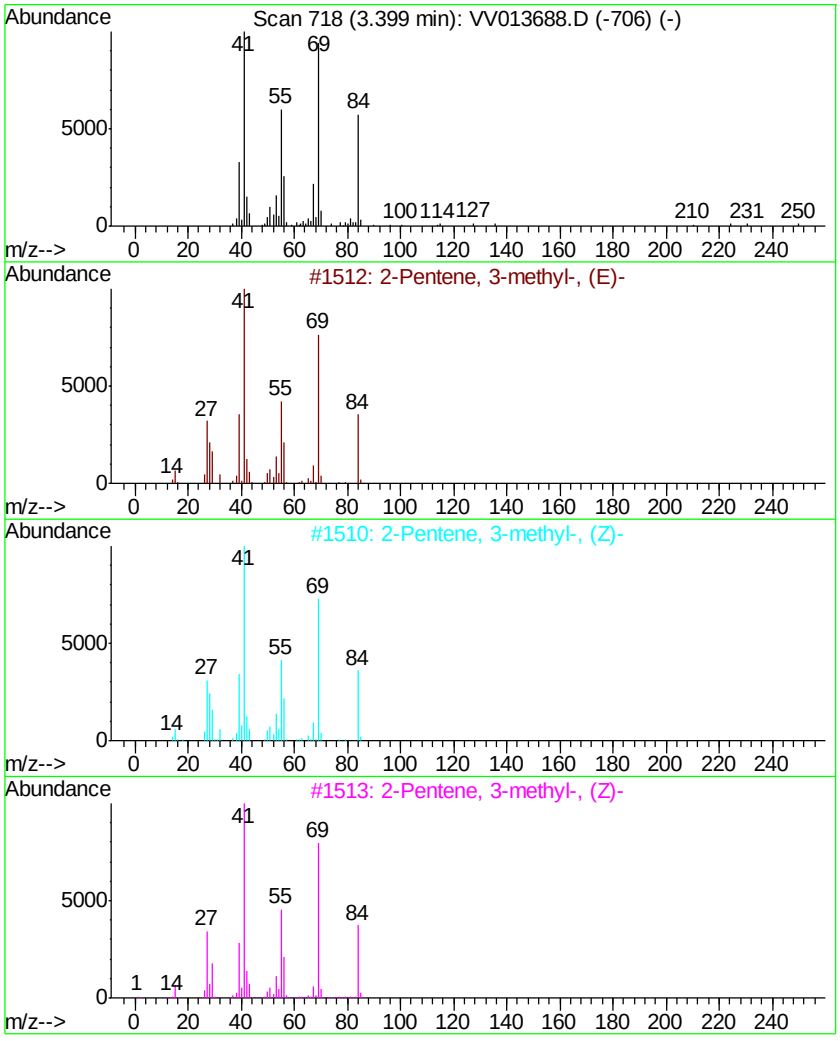
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

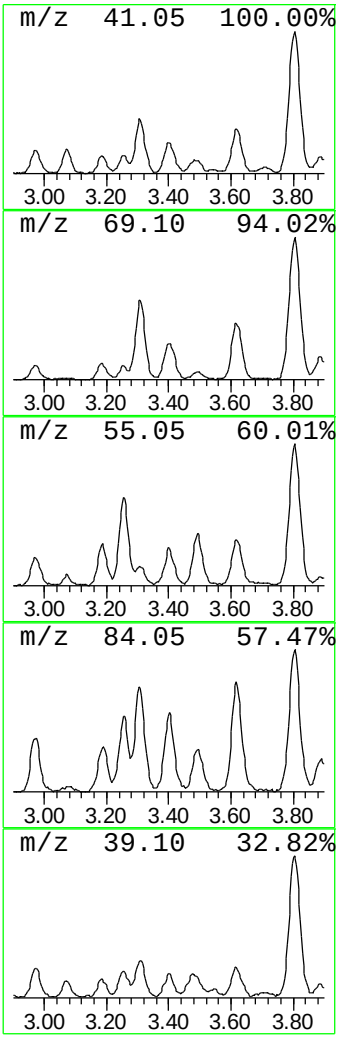
****

Peak Number 14 (DEL) Alkane: Cyclic3.40 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.40	0.70 ug/L	132639	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	90
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	90
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	90
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	90
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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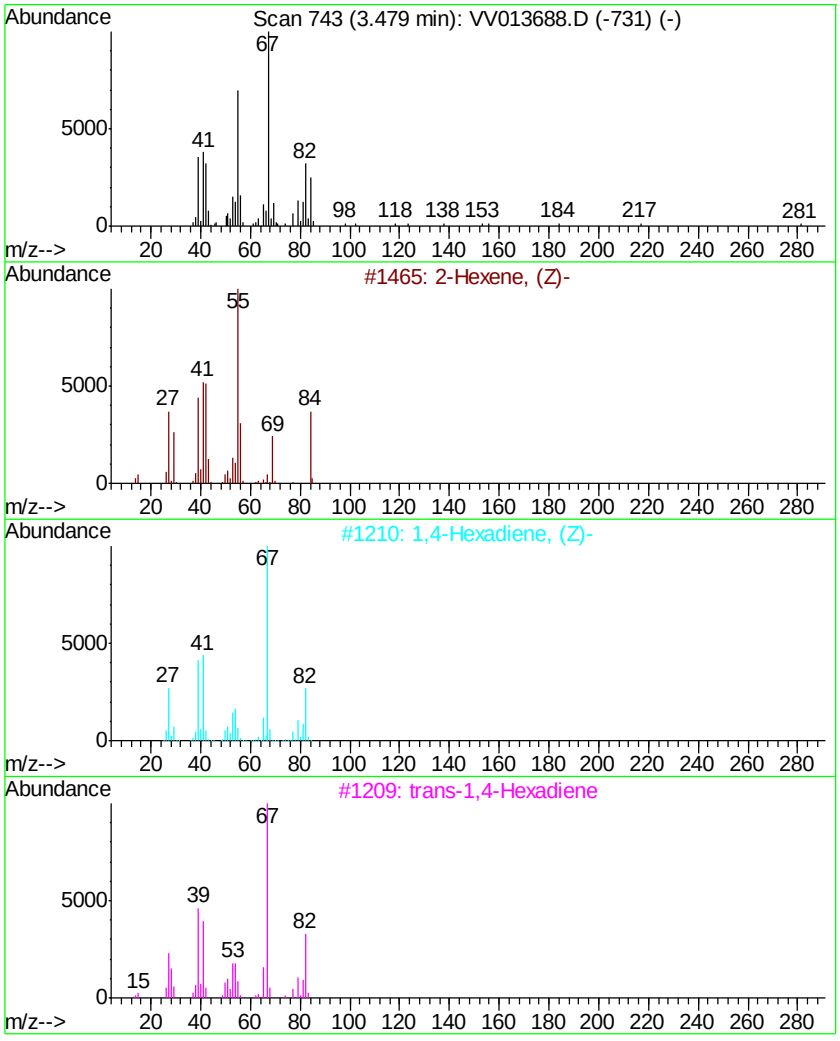
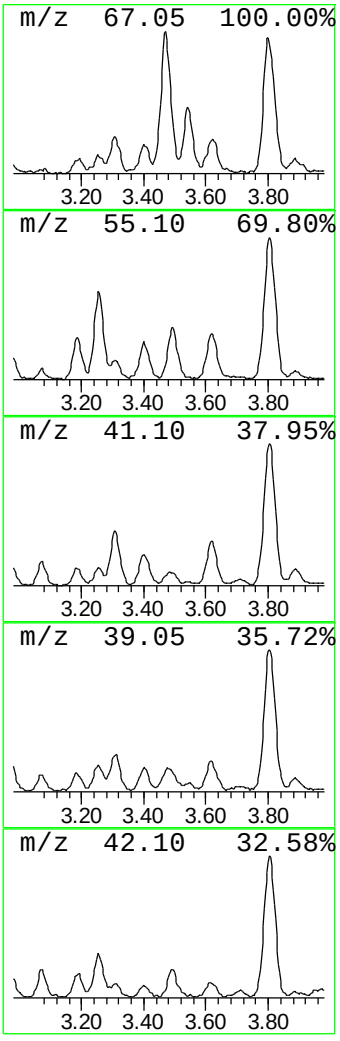
Peak Number 15 (DEL) Alkane: Cyclic3.48 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	0.65 ug/L	123822	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (Z)-	84	C6H12	007688-21-3	87
2	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	55
3	trans-1,4-Hexadiene	82	C6H10	007319-00-8	55
4	2,4-Hexadiene	82	C6H10	000592-46-1	55
5	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

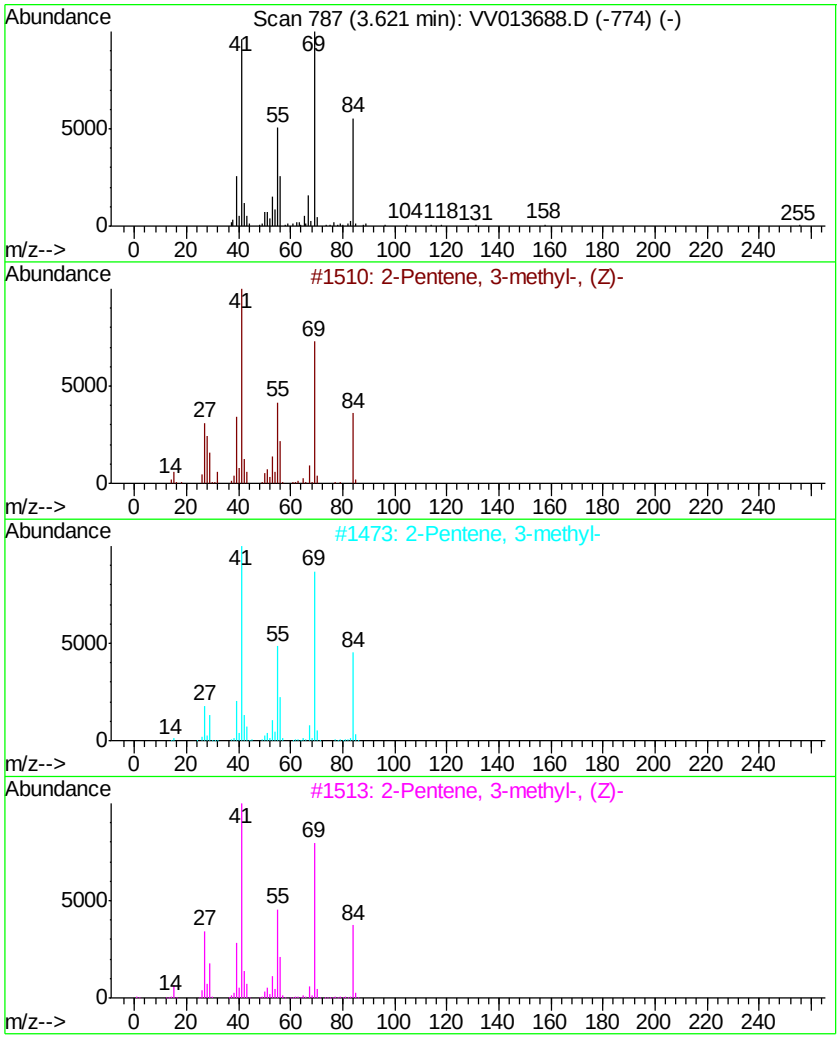
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

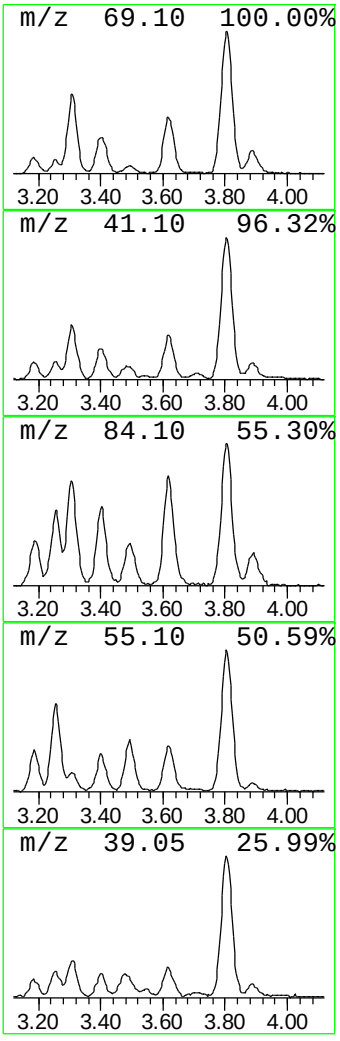
****

Peak Number 16 (DEL) Alkane: Cyclic3.62 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.97 ug/L	184894	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
2	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	91
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

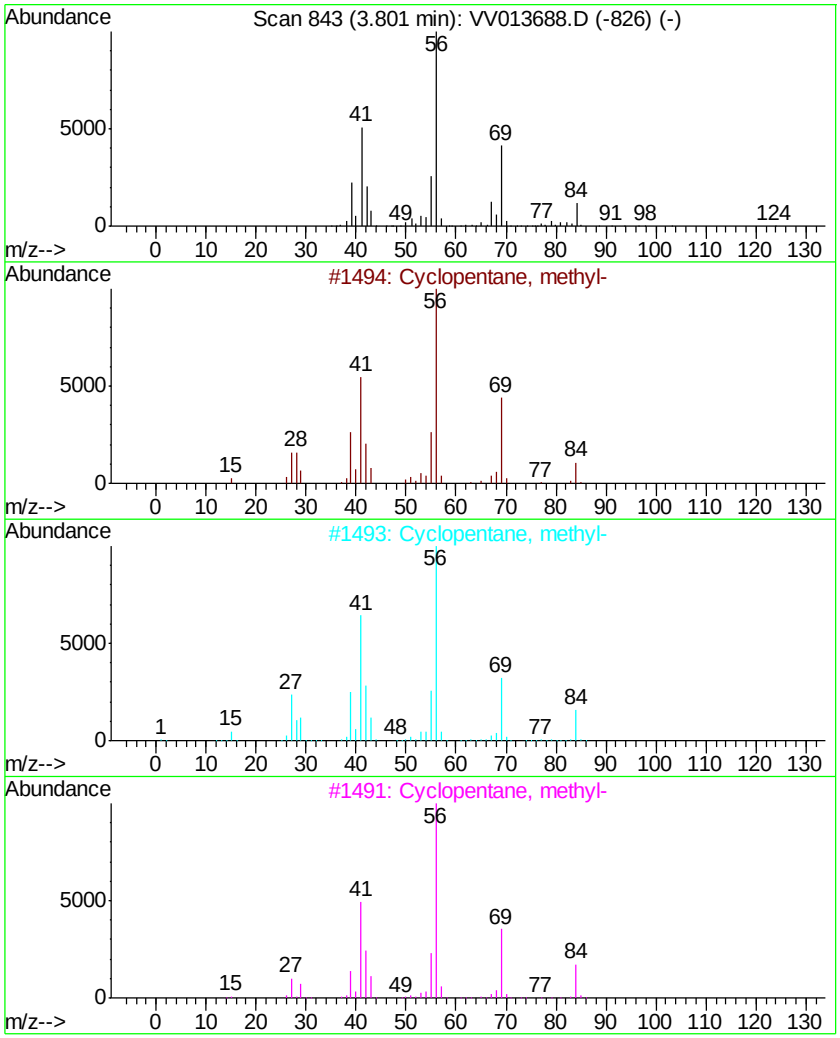
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

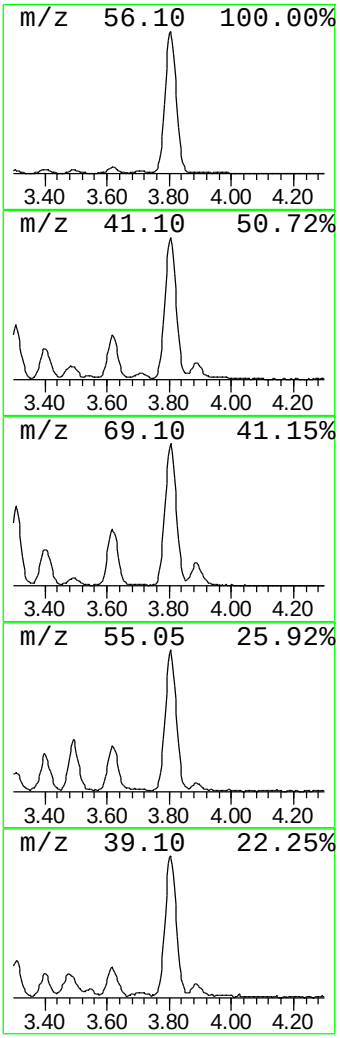
****

Peak Number 17 (DEL) Alkane: Cyclic3.80 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	5.03 ug/L	959081	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
4	Cyclohexane	84	C6H12	000110-82-7	78
5	Cyclohexane	84	C6H12	000110-82-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

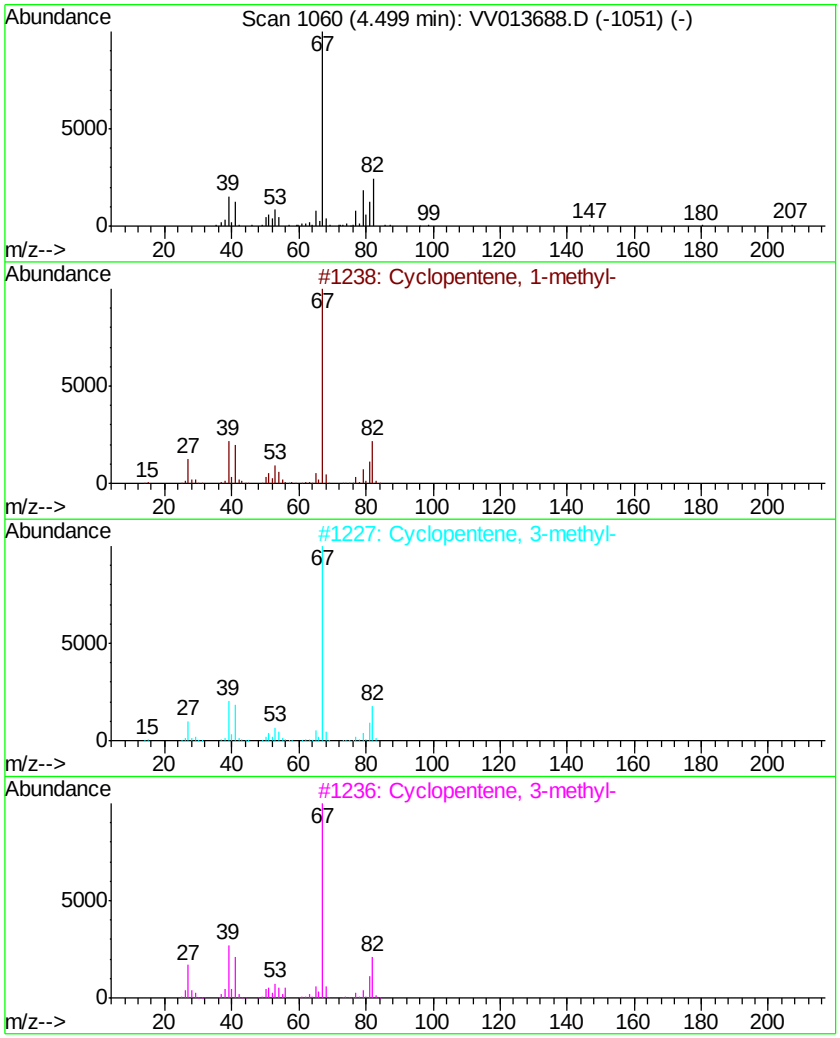
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

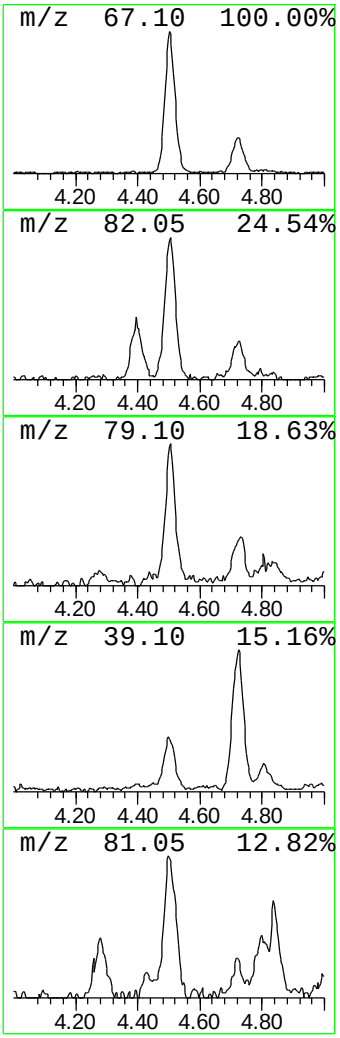
****

Peak Number 18 Cyclopentene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.50	0.86 ug/L	164857	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	72
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	72
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	72
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	72
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
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Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

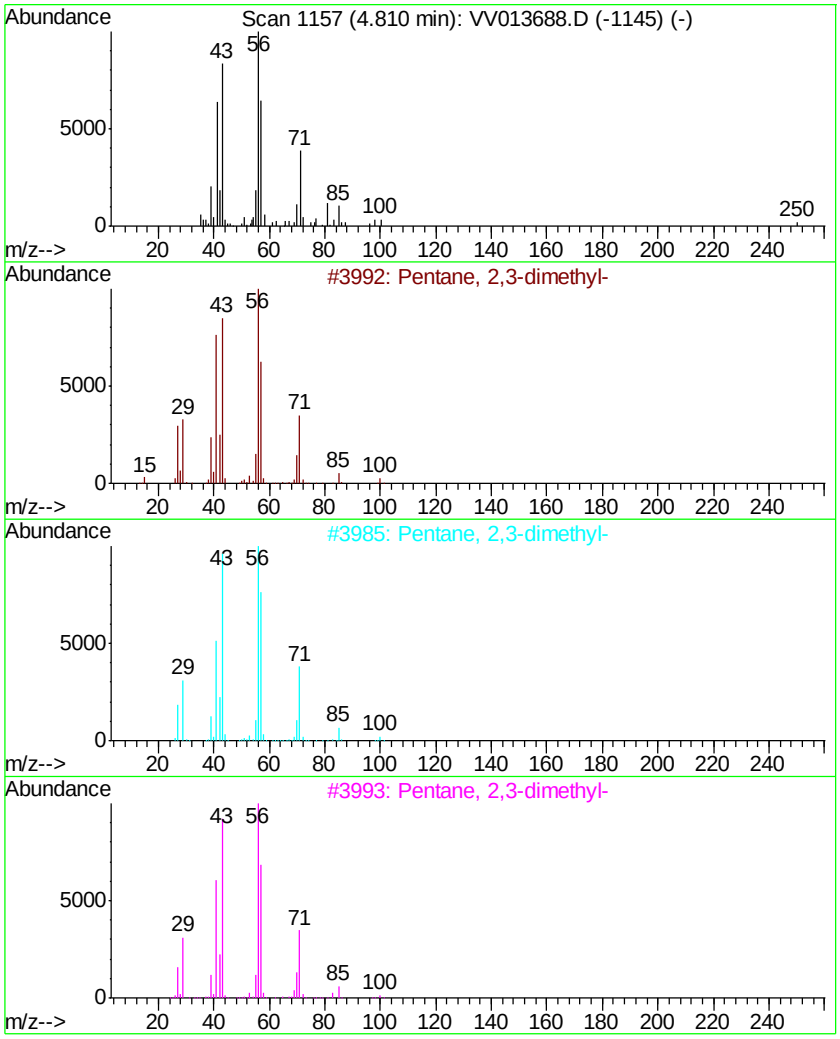
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

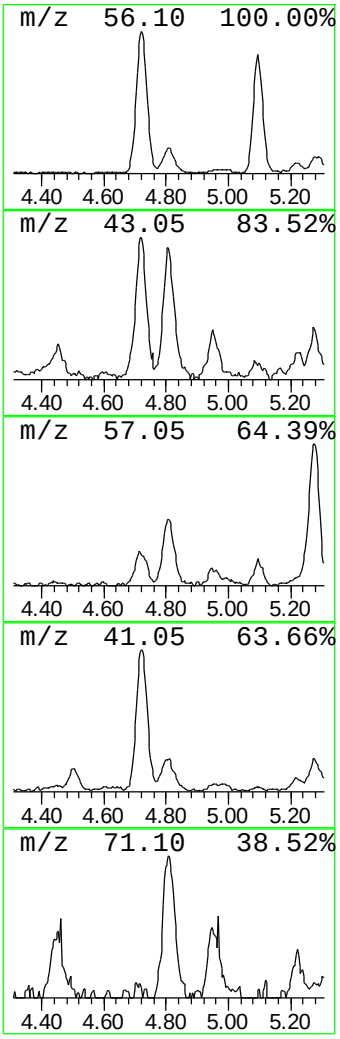
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	0.64 ug/L	123036	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	76
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
4	5,5-Dimethyl-1,3-dioxan-2-one	130	C6H10O3	003592-12-9	53
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	53





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Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

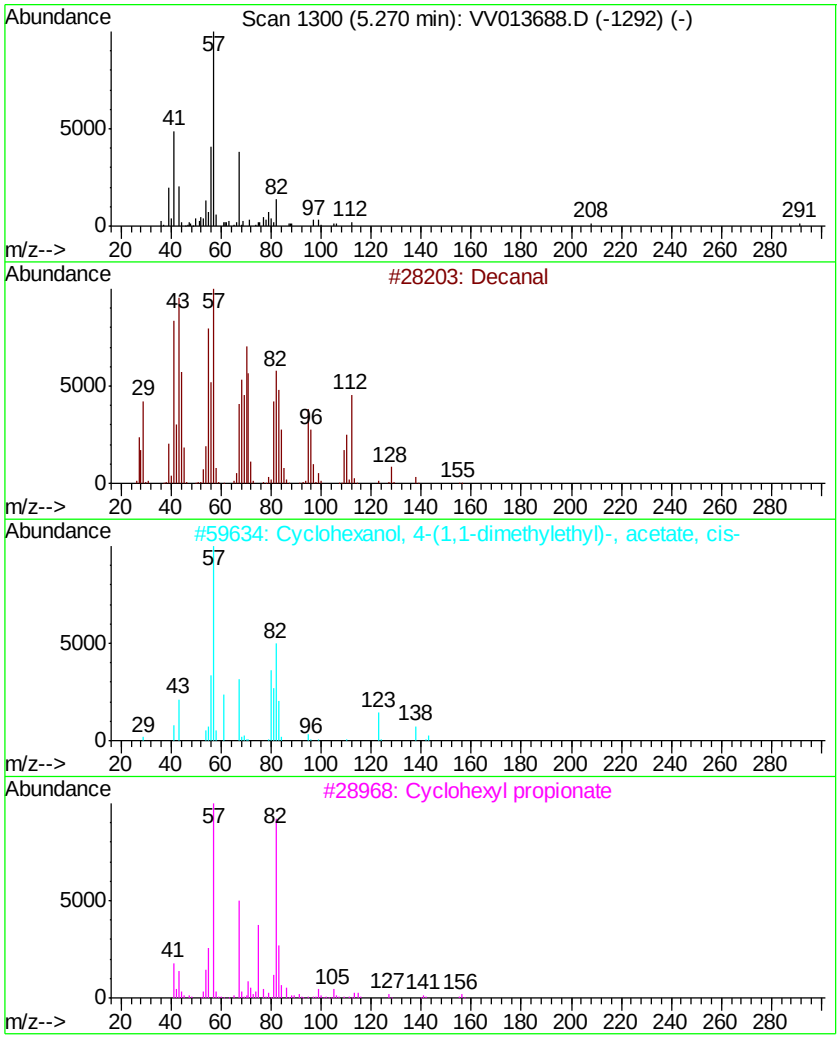
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

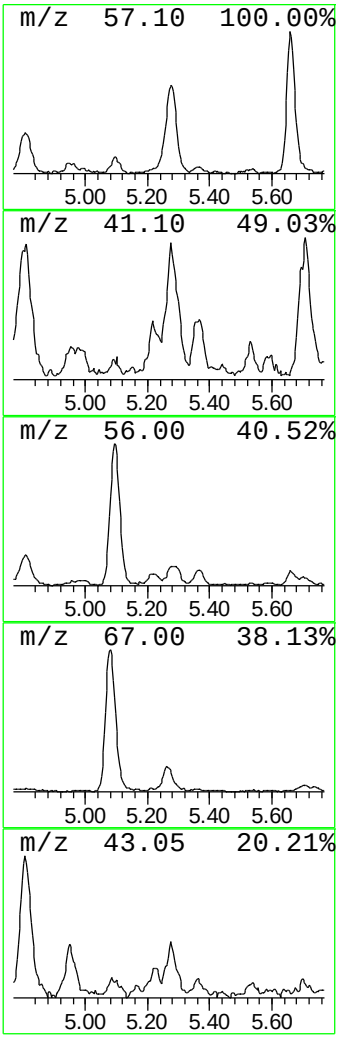
****

Peak Number 20 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.27	0.64 ug/L	122017	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanal	156	C10H20O	000112-31-2	42
2	Cyclohexanol, 4-(1,1-dimethyleth...	198	C12H22O2	010411-92-4	28
3	Cyclohexyl propionate	156	C9H16O2	006222-35-1	23
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	16
5	1-Cyclopentyl-2,2-dimethyl-1-pro...	156	C10H20O	337966-85-5	16





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Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

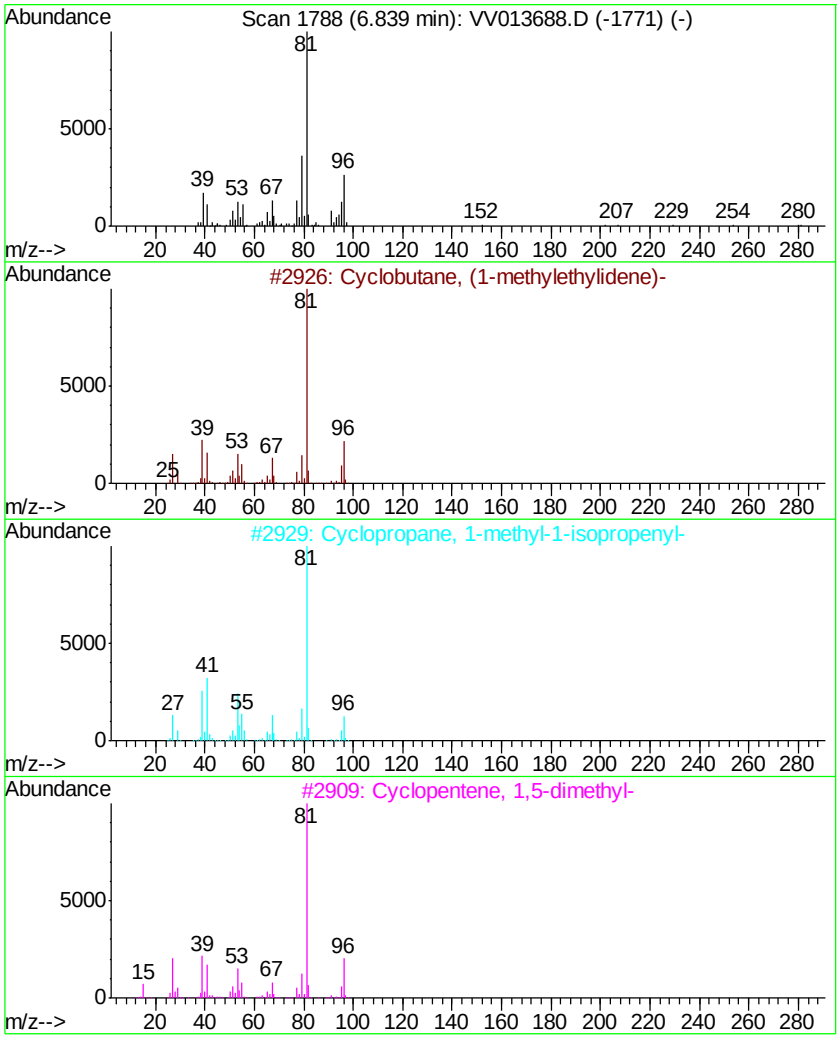
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

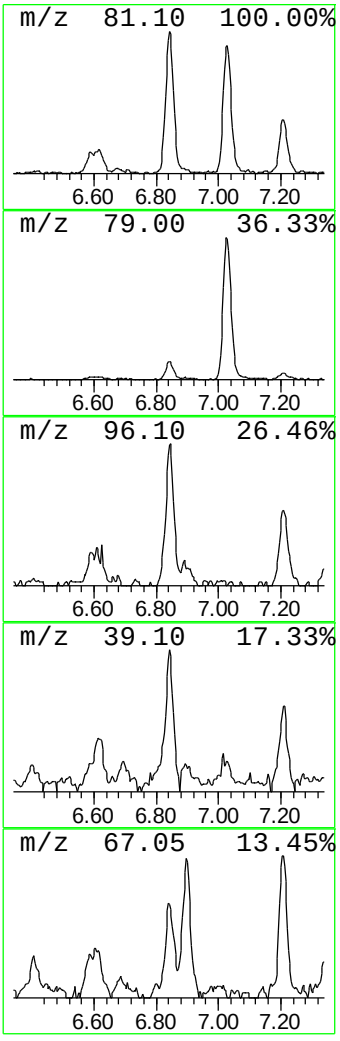
****

Peak Number 21 Cyclobutane, (1-methylethyl... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	0.64 ug/L	121209	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	72
2	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	72
3	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	72
4	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72
5	4-(Chloromethyl)cyclohexene	130	C7H11Cl	002555-08-0	64





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Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

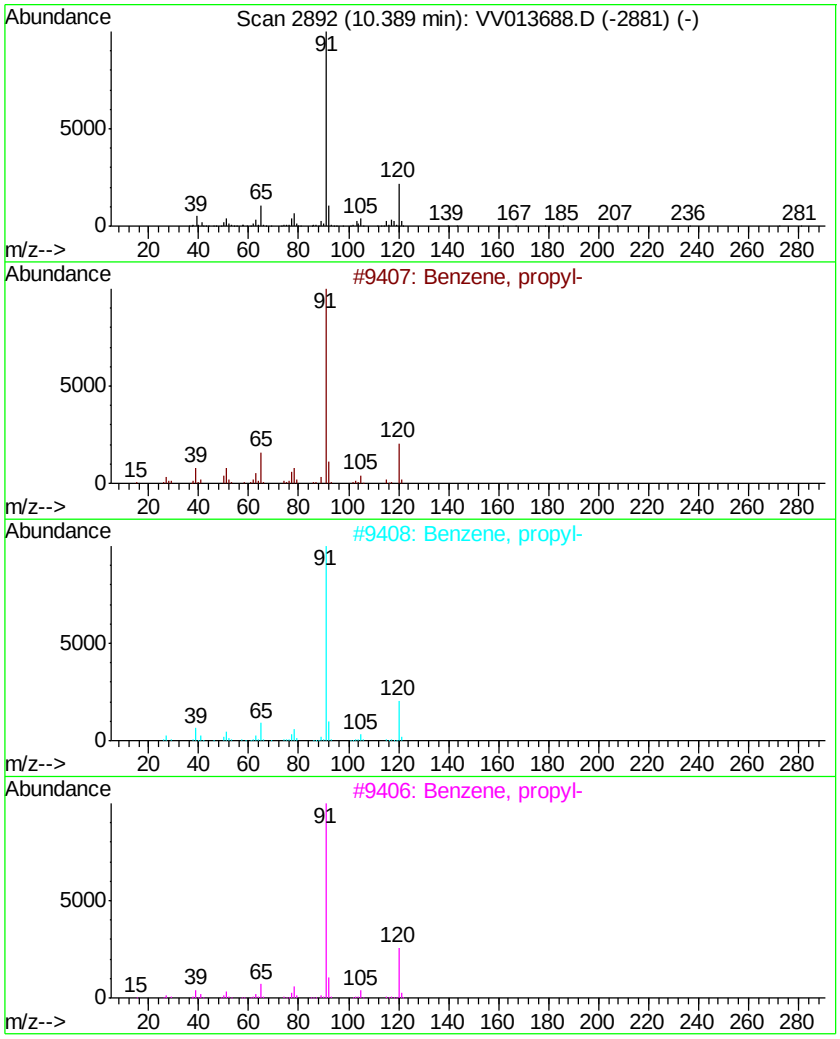
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

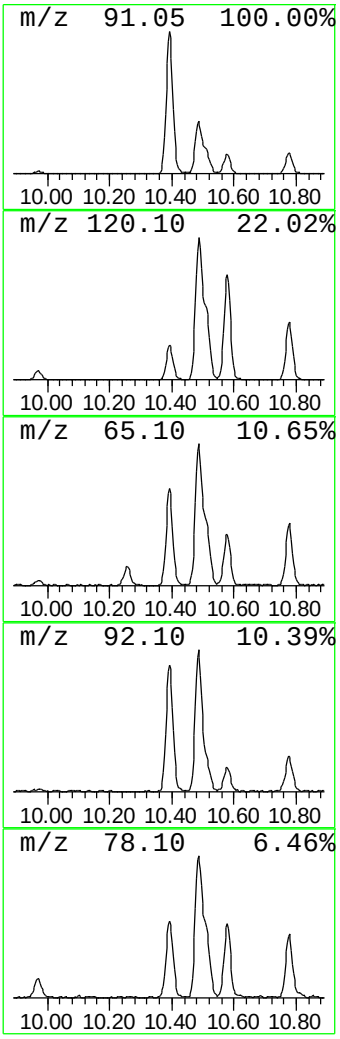
****

Peak Number 23 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	2.77 ug/L	528416	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

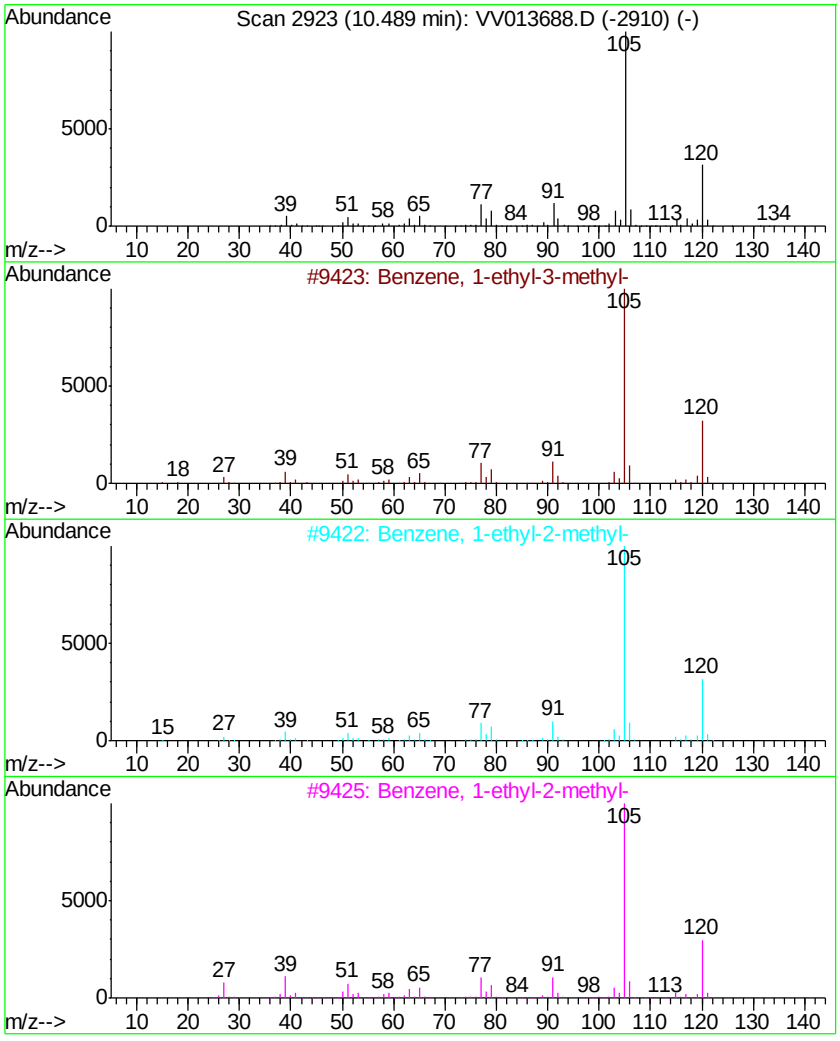
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

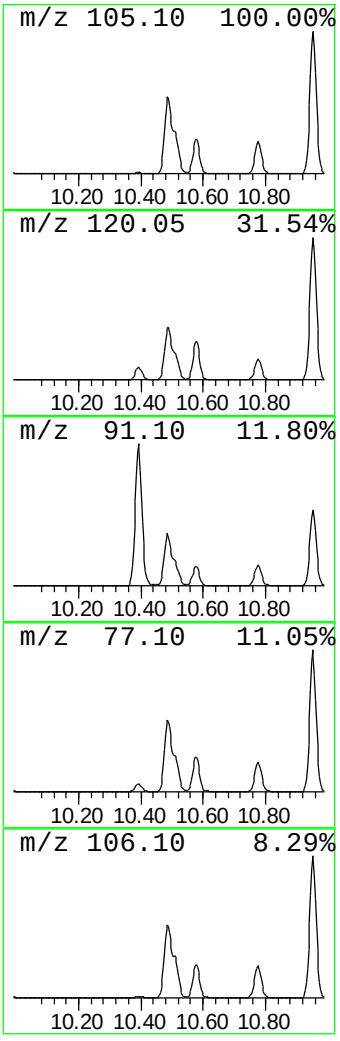
****

Peak Number 24 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	13.27 ug/L	2531060	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

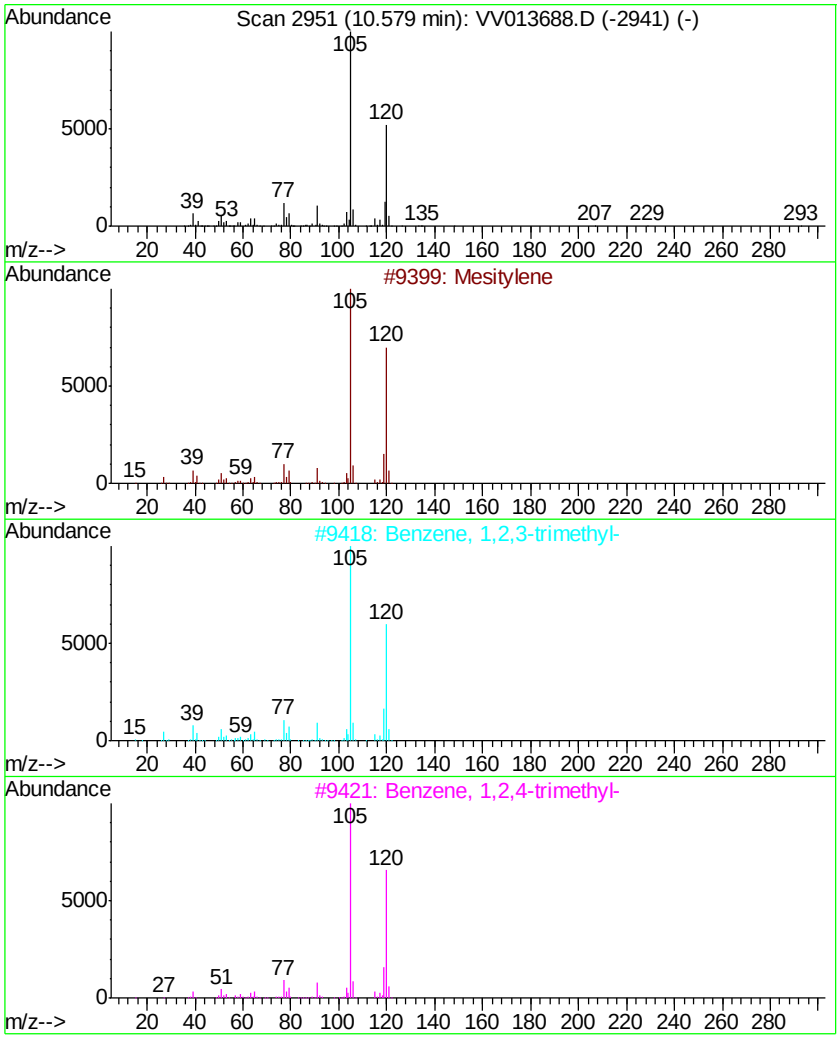
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

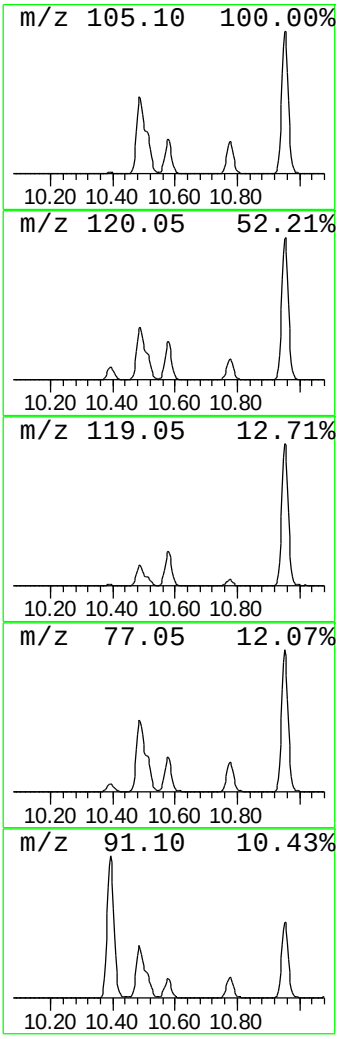
****

Peak Number 25 Mesitylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	4.62 ug/L	880601	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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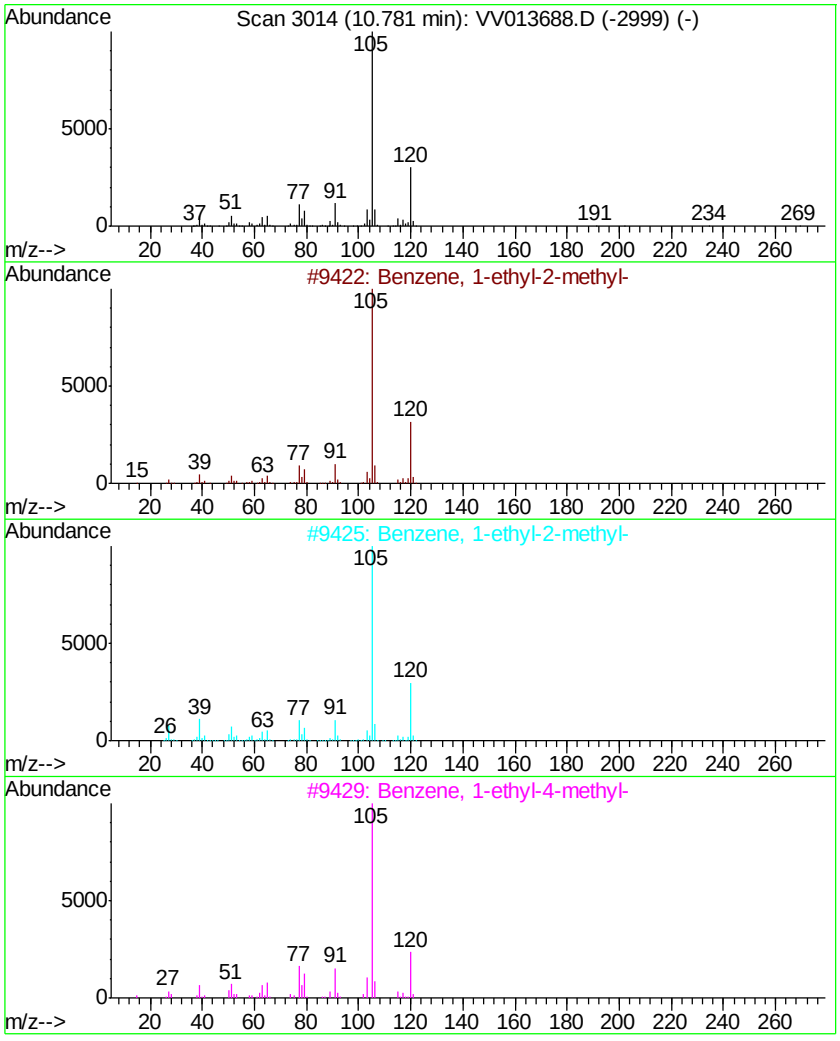
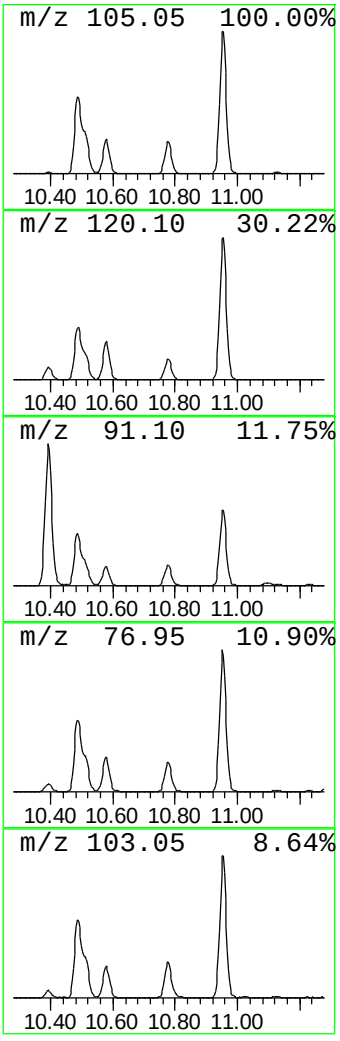
Peak Number 26 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	4.03 ug/L	769280	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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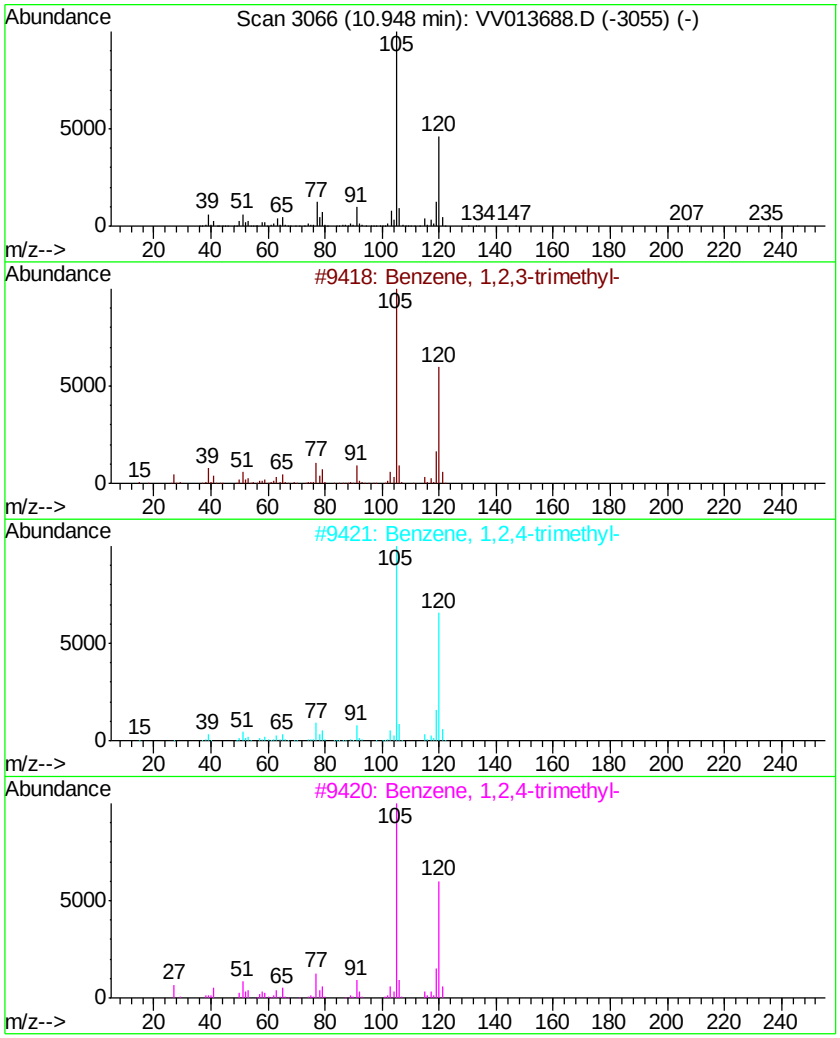
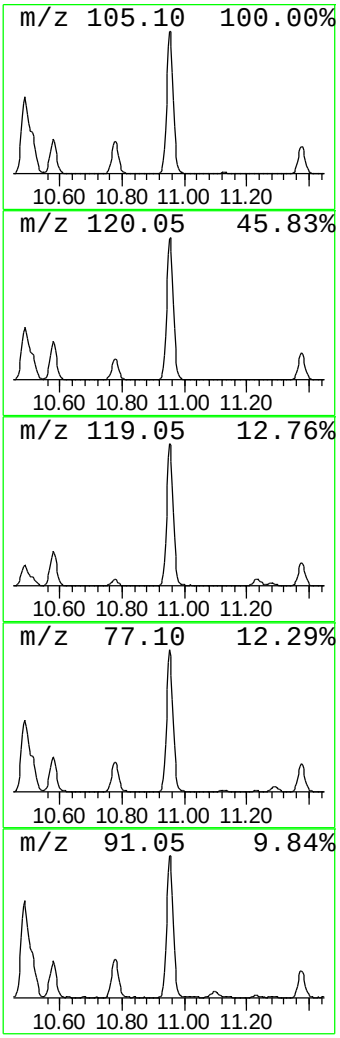
Peak Number 27 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	18.47 ug/L	3523210	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

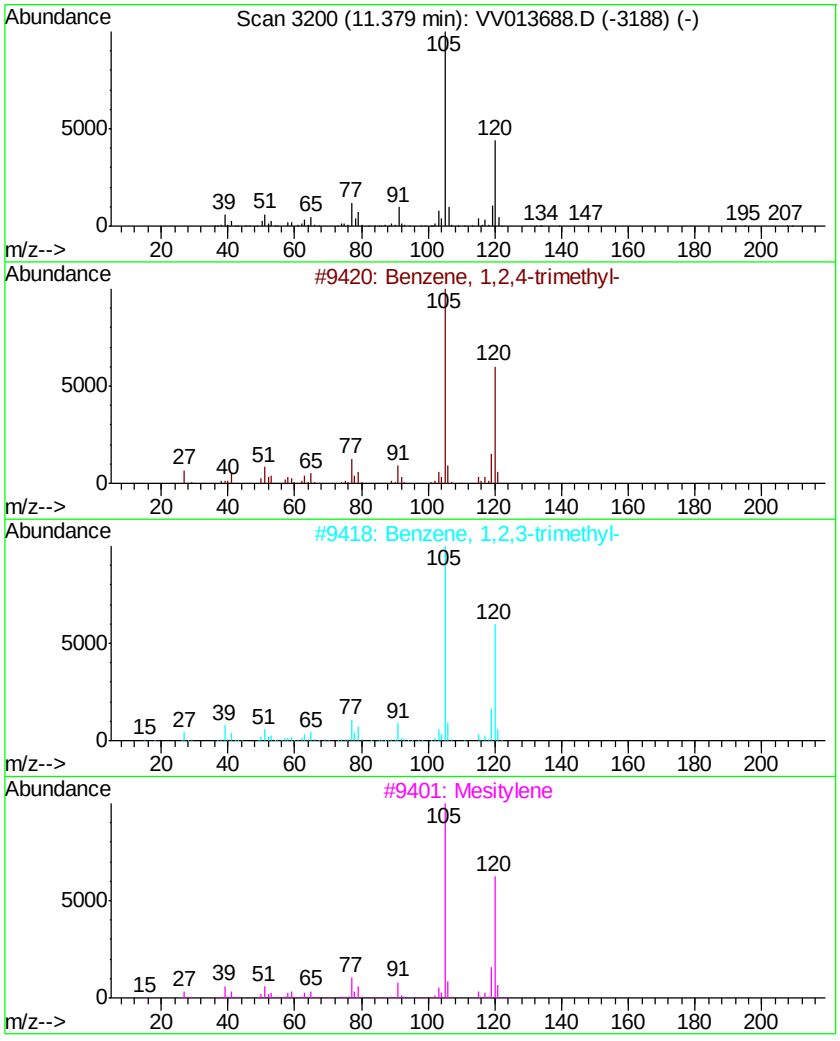
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

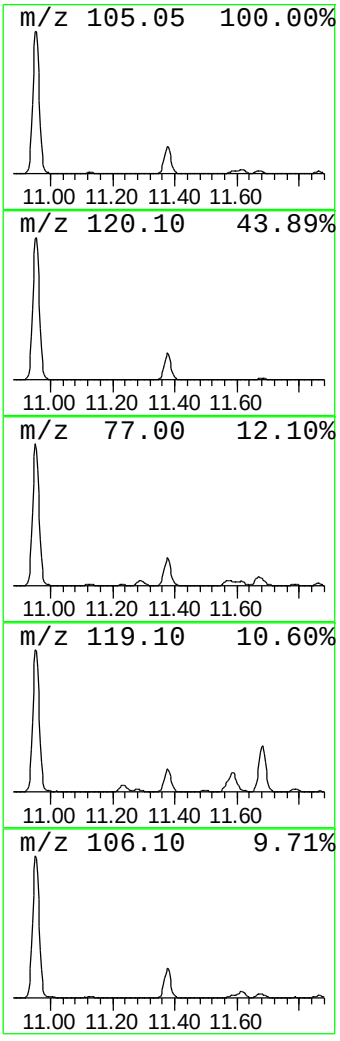
****

Peak Number 28 Benzene, 1,2,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	3.61 ug/L	689569	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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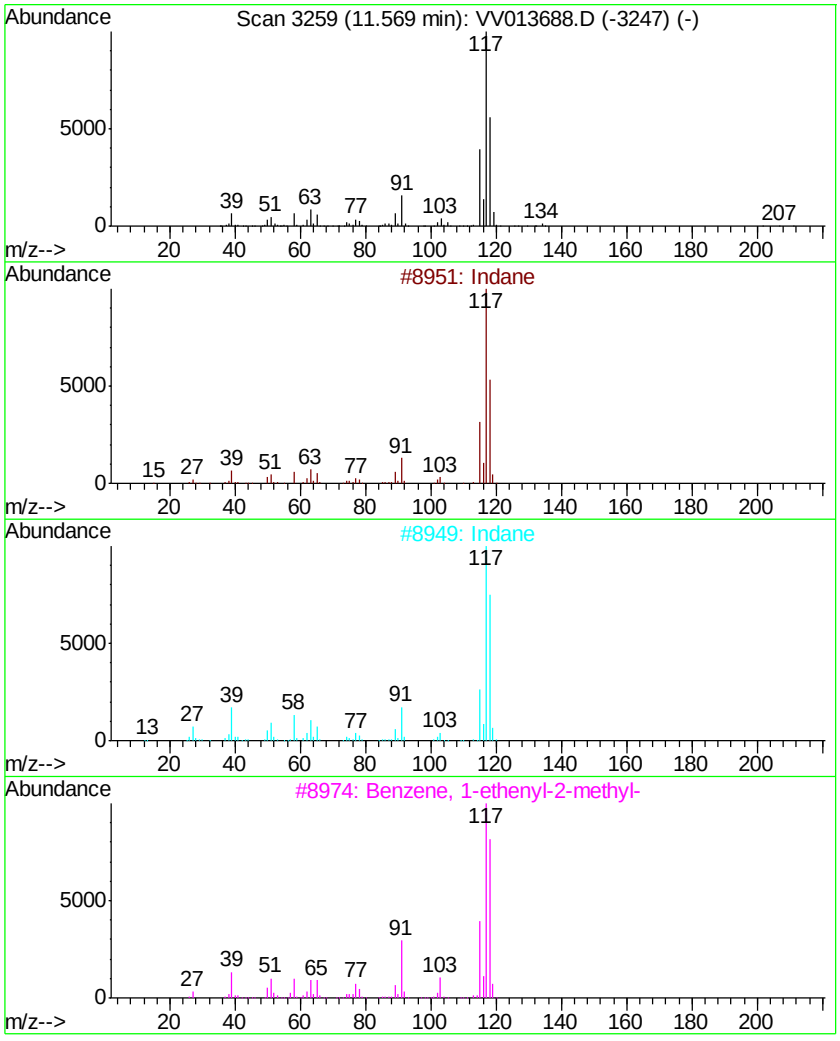
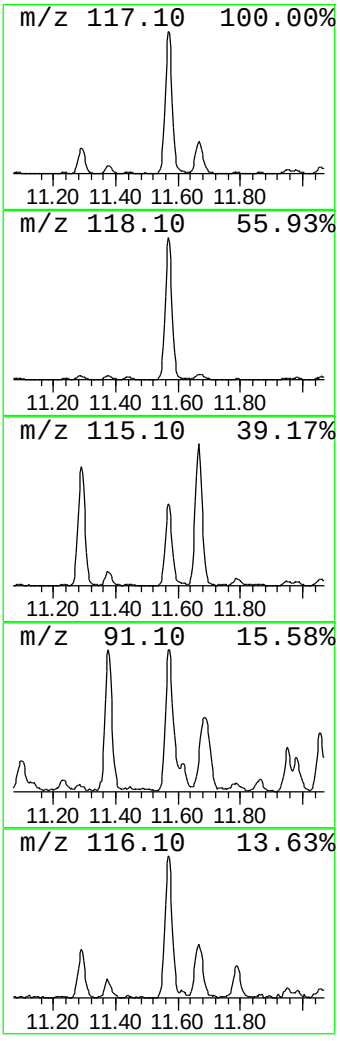
Peak Number 29 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	3.20 ug/L	610013	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	89
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
4	Deltacyclene	118	C9H10	007785-10-6	64
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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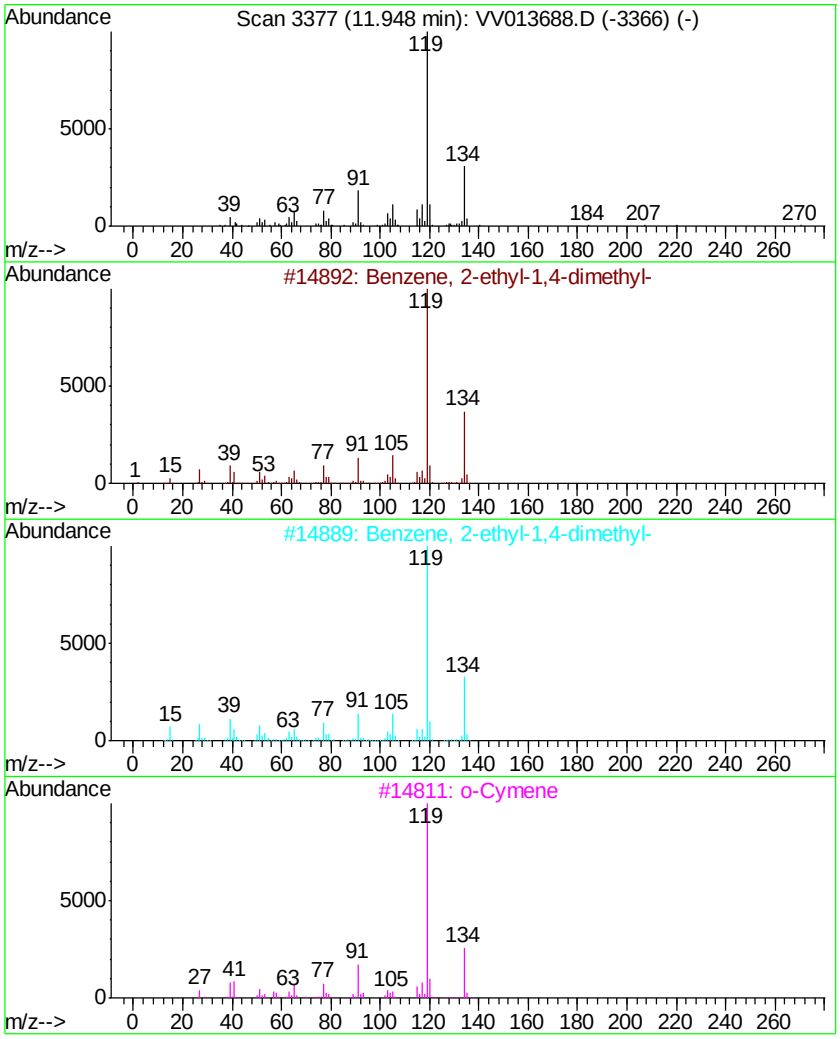
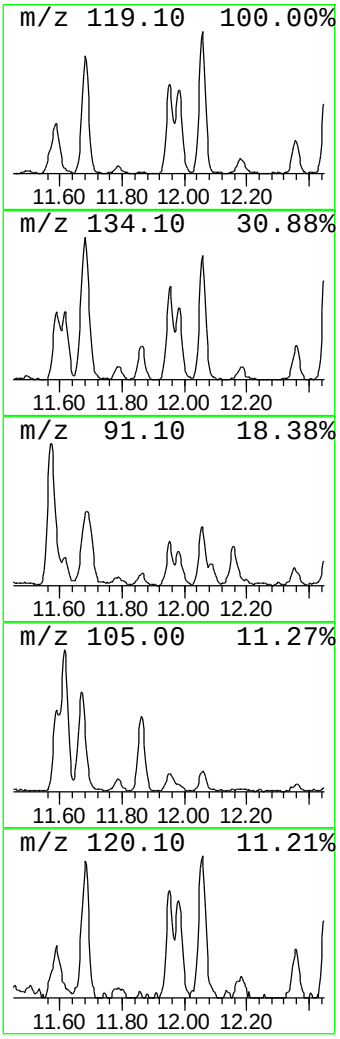
Peak Number 30 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	0.64 ug/L	122295	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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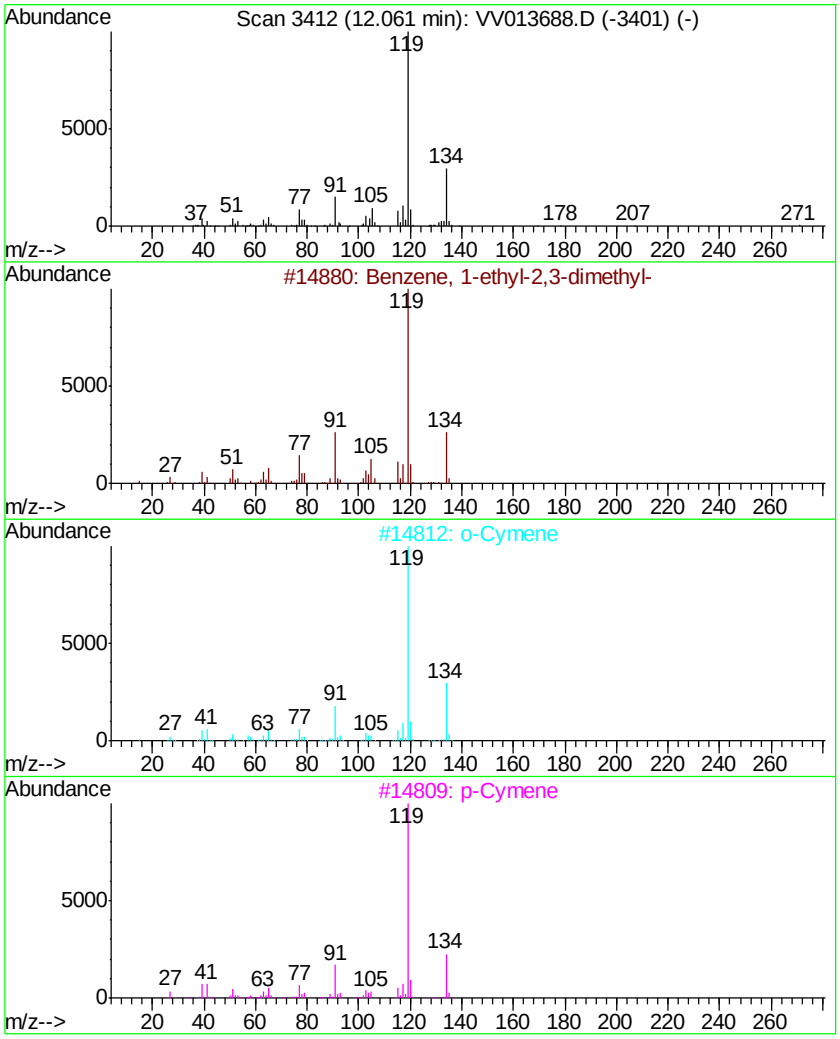
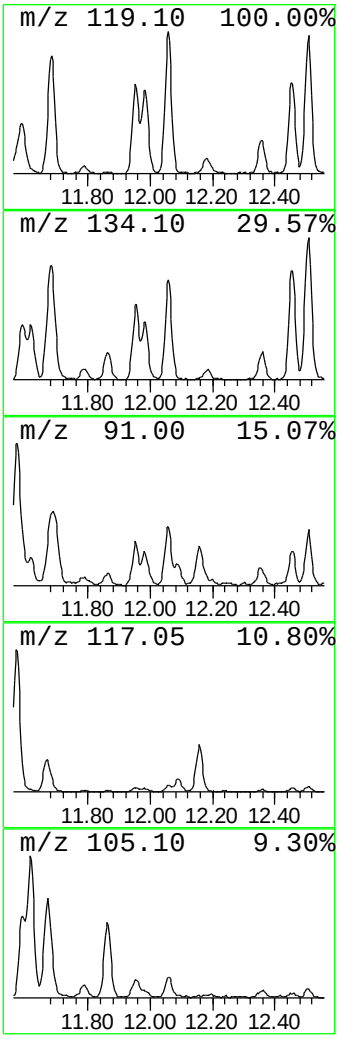
Peak Number 31 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	0.91 ug/L	173799	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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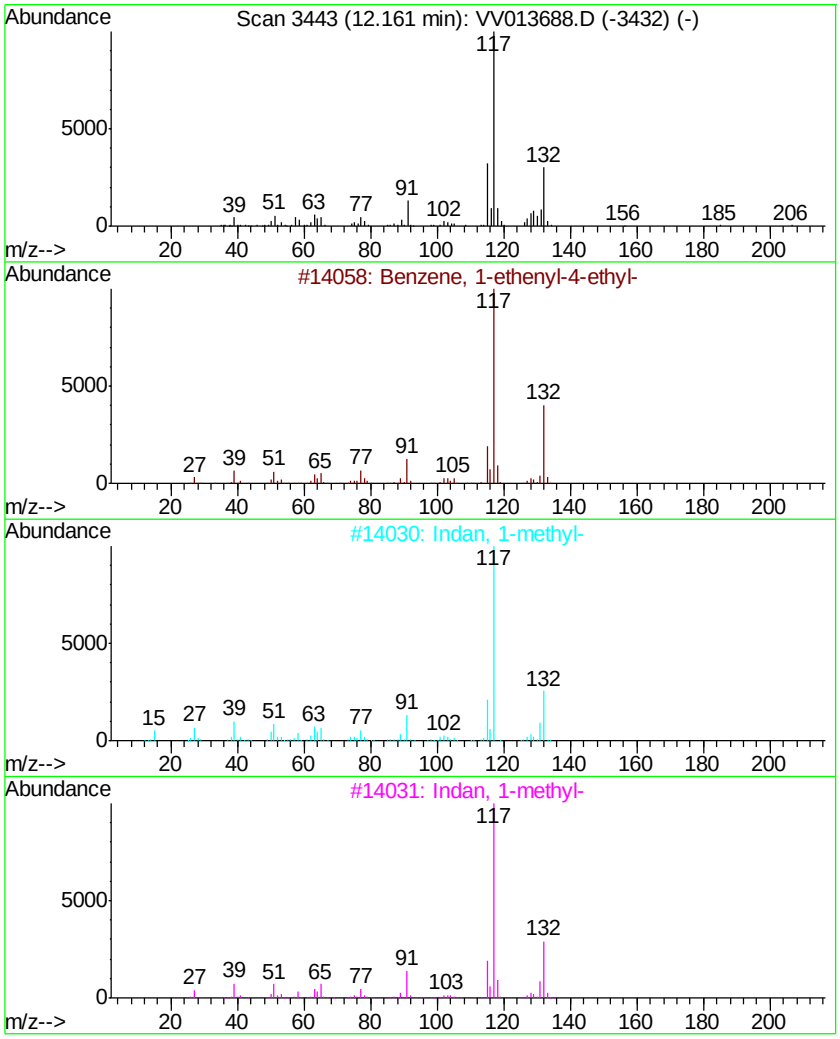
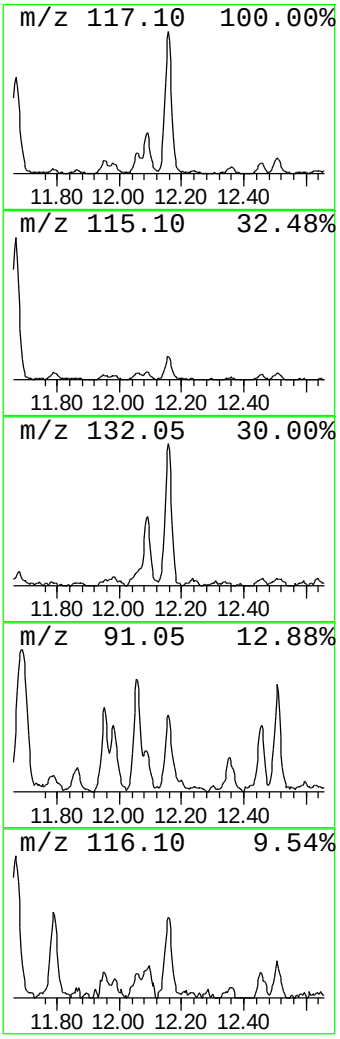
Peak Number 32 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	0.93 ug/L	176767	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	80
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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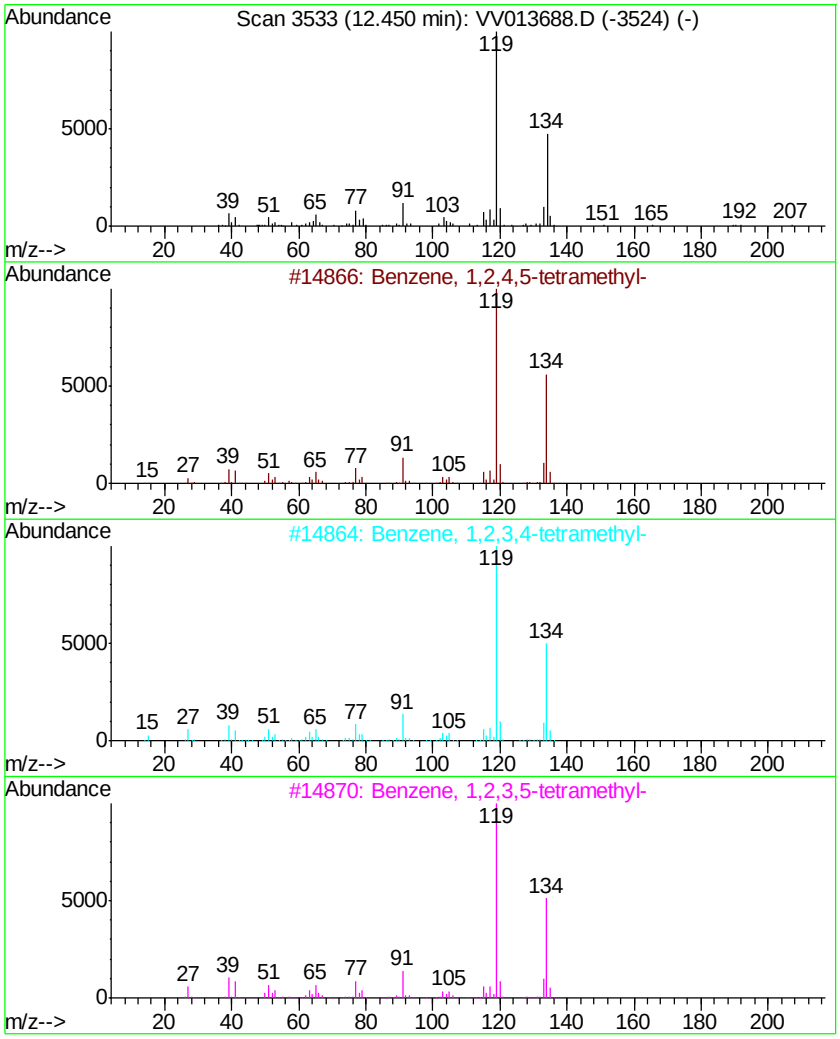
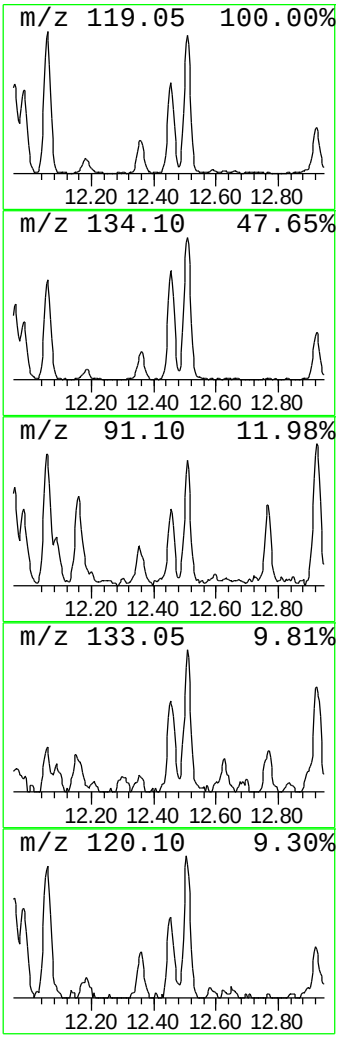
Peak Number 33 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	0.64 ug/L	121864	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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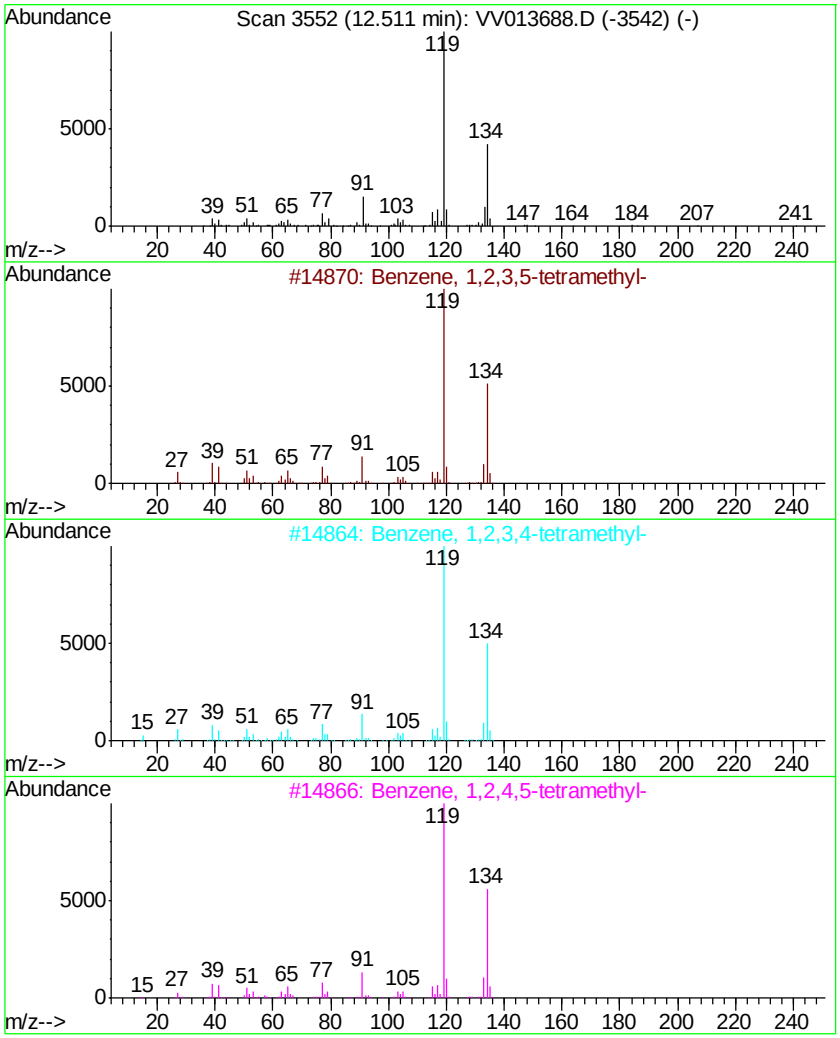
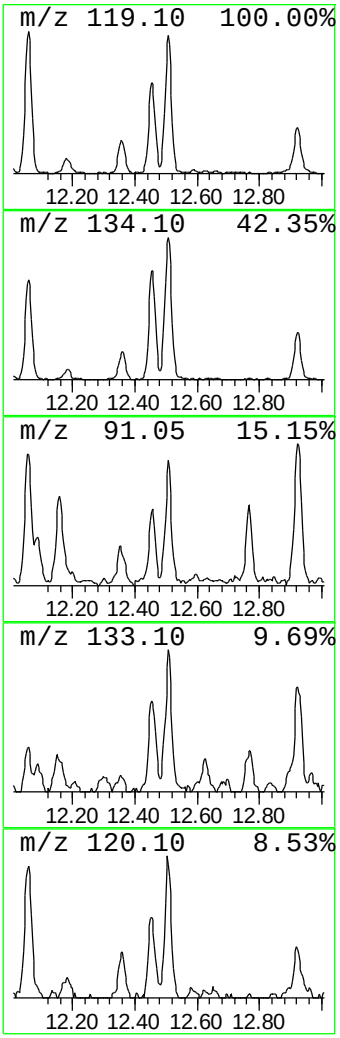
Peak Number 34 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	0.93 ug/L	176640	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0

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

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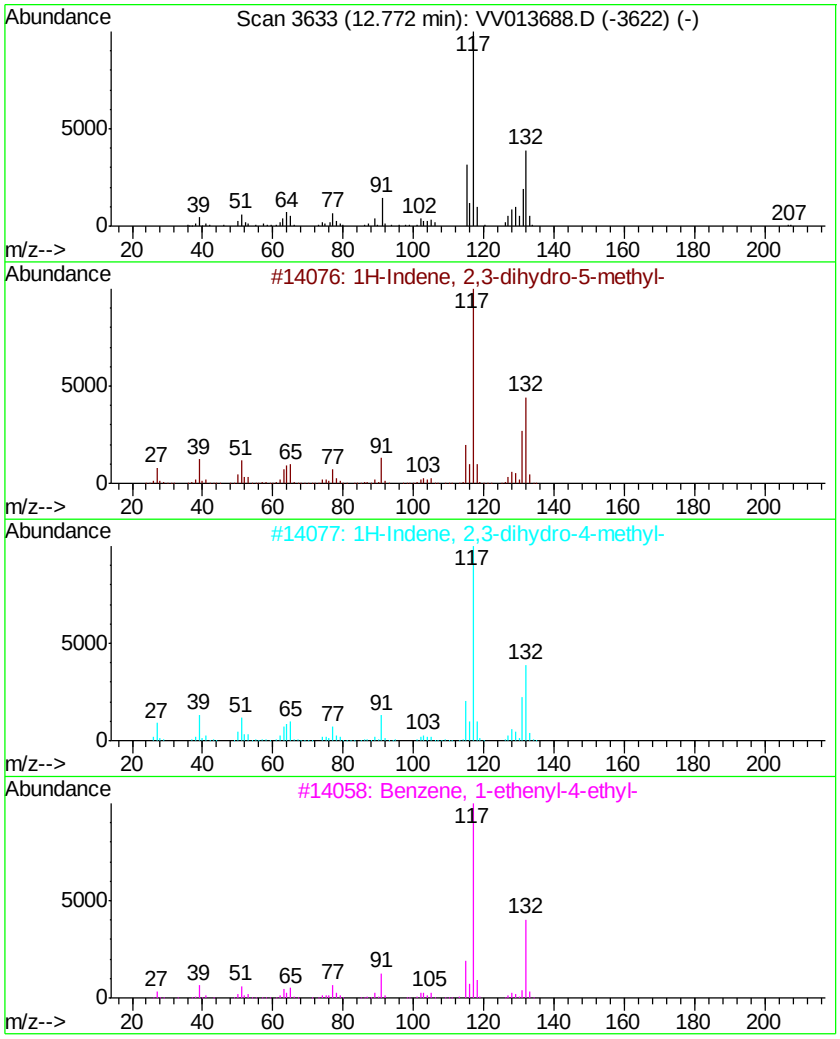
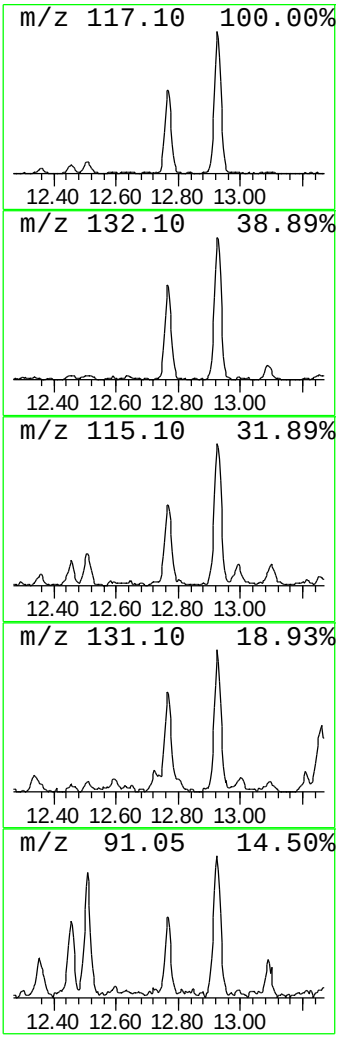
Peak Number 35 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	0.70 ug/L	133932	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	74
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112019\
Data File : VV013688.D
Acq On : 20 Nov 2019 15:10
Operator : SY/MD
Sample : K5910-21DL 100X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQK4DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.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: Str...	1.65	16.0	ug/L	3055710	1	5.66	954169	5.0
(DEL) Alkane: Str...	1.82	4.3	ug/L	816857	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	1.92	0.9	ug/L	178656	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	2.04	1.1	ug/L	220117	1	5.66	954169	5.0
(DEL) Alkane: Str...	2.52	1.9	ug/L	363771	1	5.66	954169	5.0
(DEL) Alkane: Str...	2.55	2.4	ug/L	450641	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	2.60	2.3	ug/L	442816	1	5.66	954169	5.0
(DEL) Alkane: Str...	2.79	2.7	ug/L	521925	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	2.97	0.7	ug/L	125514	1	5.66	954169	5.0
(DEL) Alkane: Str...	3.07	0.6	ug/L	109217	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	3.19	0.5	ug/L	95997	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	3.25	0.7	ug/L	130499	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	3.31	1.0	ug/L	188038	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	3.40	0.7	ug/L	132639	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	3.48	0.7	ug/L	123822	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	3.62	1.0	ug/L	184894	1	5.66	954169	5.0
(DEL) Alkane: Cyc...	3.80	5.0	ug/L	959081	1	5.66	954169	5.0
Cyclopentene, 1-m...	4.50	0.9	ug/L	164857	1	5.66	954169	5.0
(DEL) Alkane: Str...	4.81	0.6	ug/L	123036	1	5.66	954169	5.0
unknown-01	5.27	0.6	ug/L	122017	1	5.66	954169	5.0
Cyclobutane, (1-m...	6.84	0.6	ug/L	121209	1	5.66	954169	5.0
Benzene, propyl-	10.39	2.8	ug/L	528416	3	11.29	953928	5.0
Benzene, 1-ethyl-...	10.49	13.3	ug/L	2531060	3	11.29	953928	5.0
Mesitylene	10.58	4.6	ug/L	880601	3	11.29	953928	5.0
Benzene, 1-ethyl-...	10.78	4.0	ug/L	769280	3	11.29	953928	5.0
Benzene, 1,2,3-tr...	10.95	18.5	ug/L	3523210	3	11.29	953928	5.0
Benzene, 1,2,4-tr...	11.38	3.6	ug/L	689569	3	11.29	953928	5.0
Indane	11.57	3.2	ug/L	610013	3	11.29	953928	5.0
Benzene, 2-ethyl-...	11.95	0.6	ug/L	122295	3	11.29	953928	5.0
Benzene, 1-ethyl-...	12.06	0.9	ug/L	173799	3	11.29	953928	5.0
Benzene, 1-etheny...	12.16	0.9	ug/L	176767	3	11.29	953928	5.0
Benzene, 1,2,4,5-...	12.45	0.6	ug/L	121864	3	11.29	953928	5.0
Benzene, 1,2,3,5-...	12.51	0.9	ug/L	176640	3	11.29	953928	5.0
1H-Indene, 2,3-di...	12.77	0.7	ug/L	133932	3	11.29	953928	5.0