LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

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_U\METHOD\SOMUTR101719WMA.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	1.369	3	9	26	rVB	2579866	2502230	11.19%	3.835%
2	1.617	72	86	99	rBV2	6720651	9186065	41.09%	14.080%
3	1.748	119	127	140	rVB	383532	437729	1.96%	0.671%
4	1.925	168	182	201	rBV4	225527	468287	2.09%	0.718%
5	2.176	250	260	268	rBV	389863	528067	2.36%	0.809%
6	2.240	268	280	294	rVB3	430873	766871	3.43%	1.175%
7	2.440	334	342	351	rVB2	196977	289702	1.30%	0.444%
8	2.601	379	392	407	rBV3	361704	708343	3.17%	1.086%
9	3.391	614	638	680	rBV	2037928	4073607	18.22%	6.244%
10	3.620	692	709	730	rVB4	126808	336111	1.50%	0.515%
11	4.719	1031	1051	1094	rBV	9992859	22353490	100.00%	34.262%
12	5.115	1157	1174	1194	rVB	216728	535668	2.40%	0.821%
13	5.771	1355	1378	1387	rBV2	465875	1166071	5.22%	1.787%
14	5.819	1387	1393	1412	rVB	270626	526688	2.36%	0.807%
15	6.292	1527	1540	1564	rBV	431659	858573	3.84%	1.316%
16	6.584	1612	1631	1650	rBV	775714	1612387	7.21%	2.471%
17	6.735	1668	1678	1691	rVB	267935	495719	2.22%	0.760%
18	7.607	1935	1949	1970	rBV	154004	285424	1.28%	0.437%
19	7.935	2031	2051	2062	rBV	585897	1034791	4.63%	1.586%
20	8.005	2062	2073	2090	rVB	677230	1158928	5.18%	1.776%
21	8.687	2265	2285	2323	rBV	609885	1317225	5.89%	2.019%
22	9.449	2510	2522	2544	rBV	589278	1024996	4.59%	1.571%
23	9.600	2557	2569	2592	rVB	203557	340171	1.52%	0.521%
24	9.722	2592	2607	2622	rBV	319142	556175	2.49%	0.852%
25	10.131	2723	2734	2762	rVB	291252	480914	2.15%	0.737%
26	10.787	2925	2938	2969	rBV	244056	432527	1.93%	0.663%
27	11.841	3253	3266	3280	rBV	557683	988165	4.42%	1.515%
28	11.922	3280	3291	3314	rVB	745205	1180383	5.28%	1.809%
29	12.121	3337	3353	3359	rBV	409697	706700	3.16%	1.083%
30	12.217	3371	3383	3402	rVB4	999724	1843446	8.25%	2.825%
31	12.401	3430	3440	3453	rVB	187221	288841	1.29%	0.443%
32	12.491	3453	3468	3473	rBV	655447	1051307	4.70%	1.611%
33	12.520	3473	3477	3489	rVB	646719	929524	4.16%	1.425%
34	12.597	3489	3501	3512	rBV	1543543	2354051	10.53%	3.608%

LSC Area Percent Report

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Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

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_U\METHOD\SOMUTR101719WMA.M
Title : TRACE VOA SOM01.0

35	12.722	3525	3540	3558	rBV3	215763	449302	2.01%	0.689%
36	12.902	3585	3596	3609	rVB	375632	572533	2.56%	0.878%
37	12.999	3615	3626	3634	rBV	302929	470224	2.10%	0.721%
38	13.050	3634	3642	3656	rVB	366768	568903	2.55%	0.872%
39	13.478	3764	3775	3789	rVB3	206811	363082	1.62%	0.557%

Sum of corrected areas: 65243220

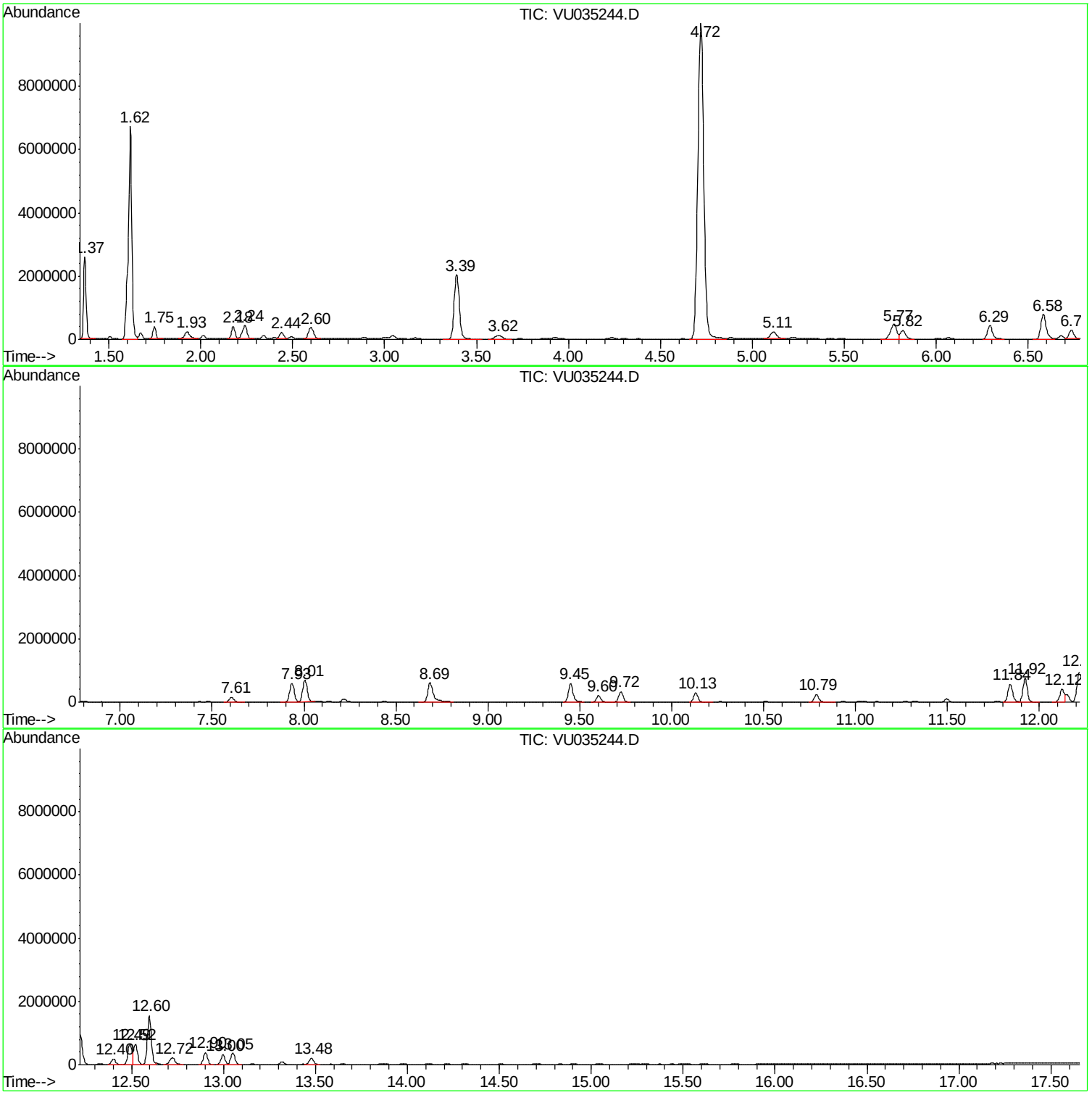
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

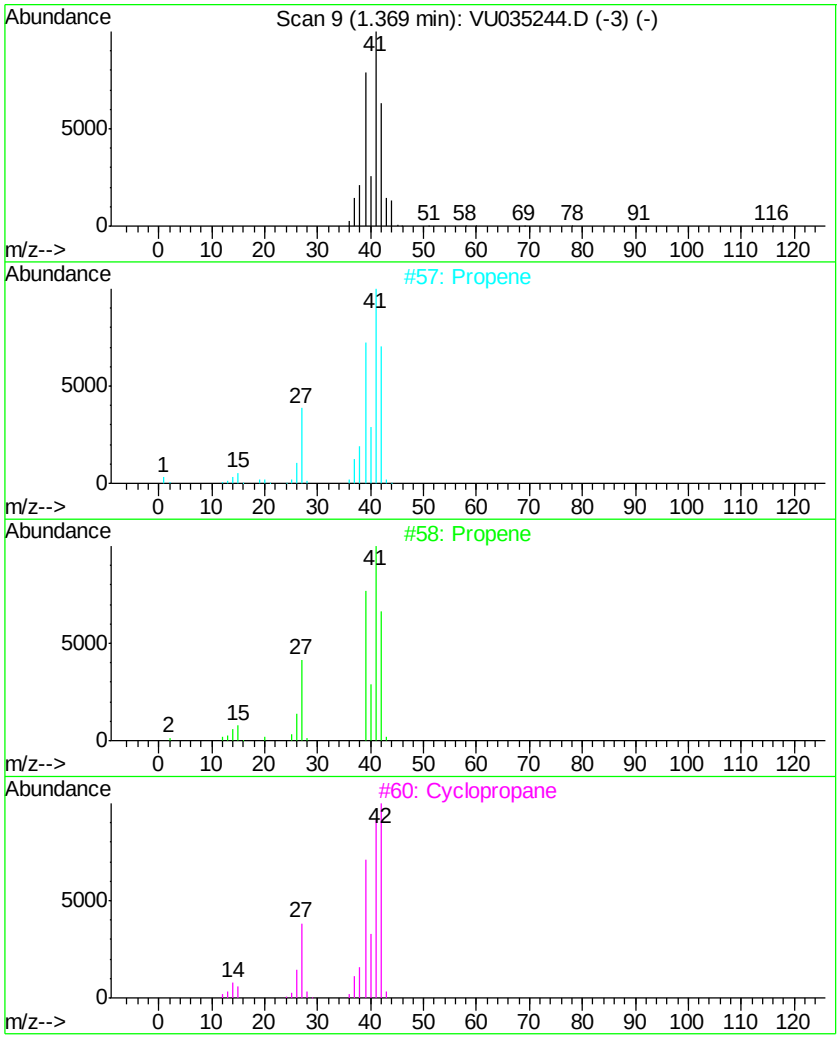
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

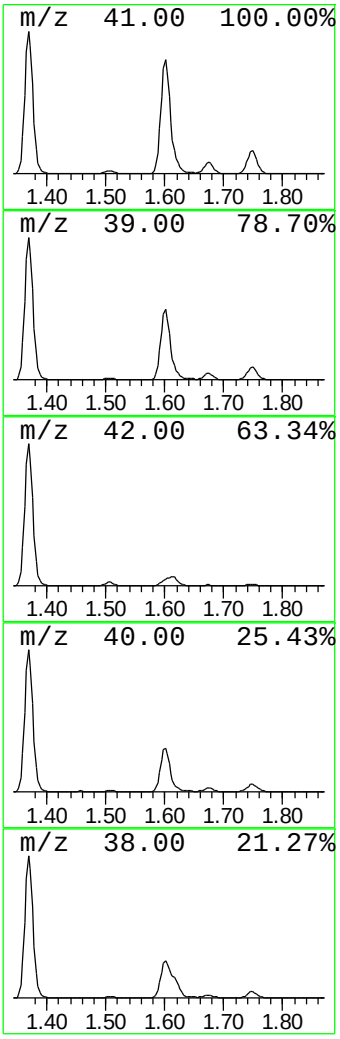
****

Peak Number 1 (DEL) Alkane: Cyclic1.37 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	14.57 ug/L	2502230	1,4-Difluorobenzene	6.29

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_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

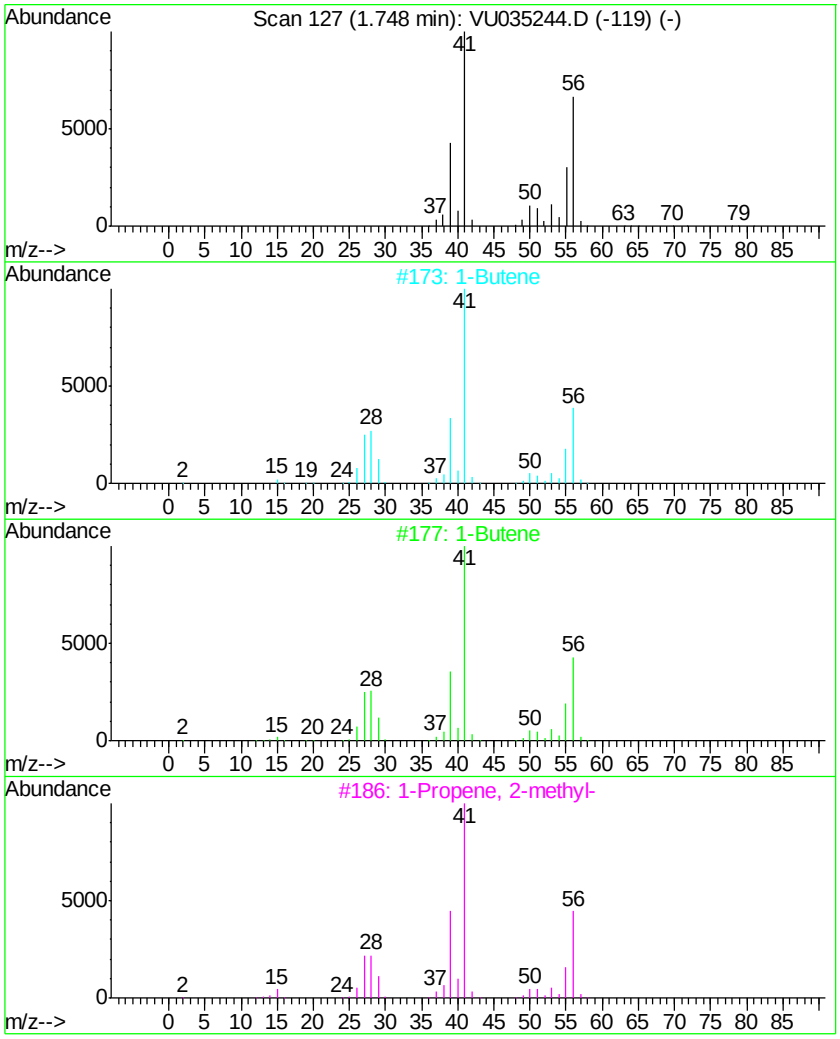
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

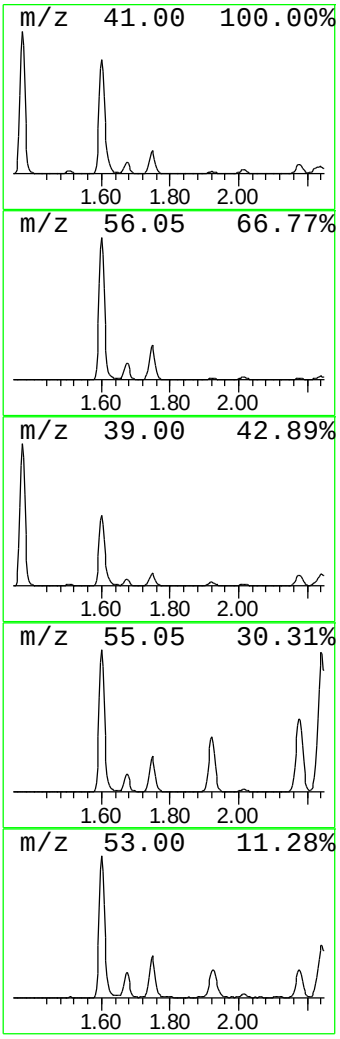
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic1.75 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	2.55 ug/L	437729	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	87
2	1-Butene	56	C4H8	000106-98-9	87
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	83
4	1-Butene	56	C4H8	000106-98-9	80
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

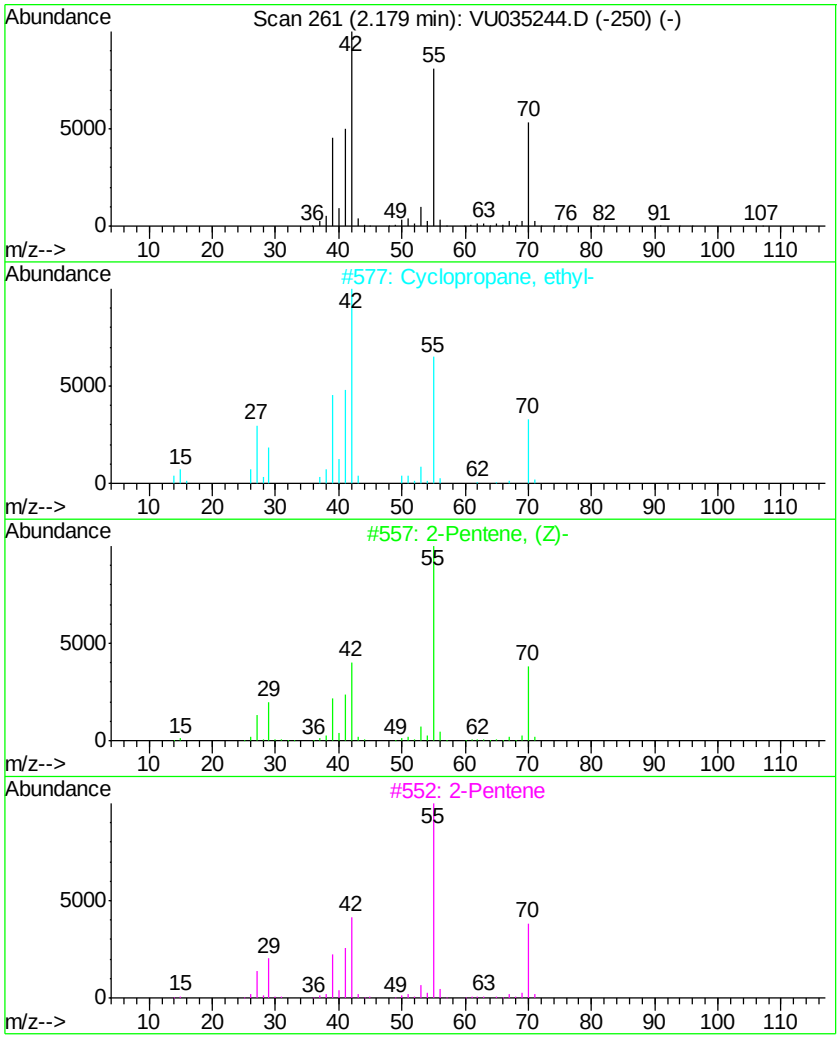
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

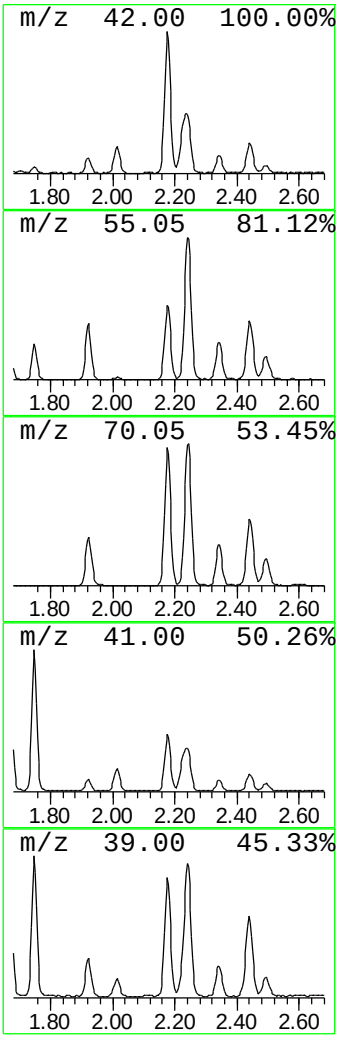
****

Peak Number 3 (DEL) Alkane: Cyclic2.18 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	3.08 ug/L	528067	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
3	2-Pentene	70	C5H10	000109-68-2	80
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	78
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

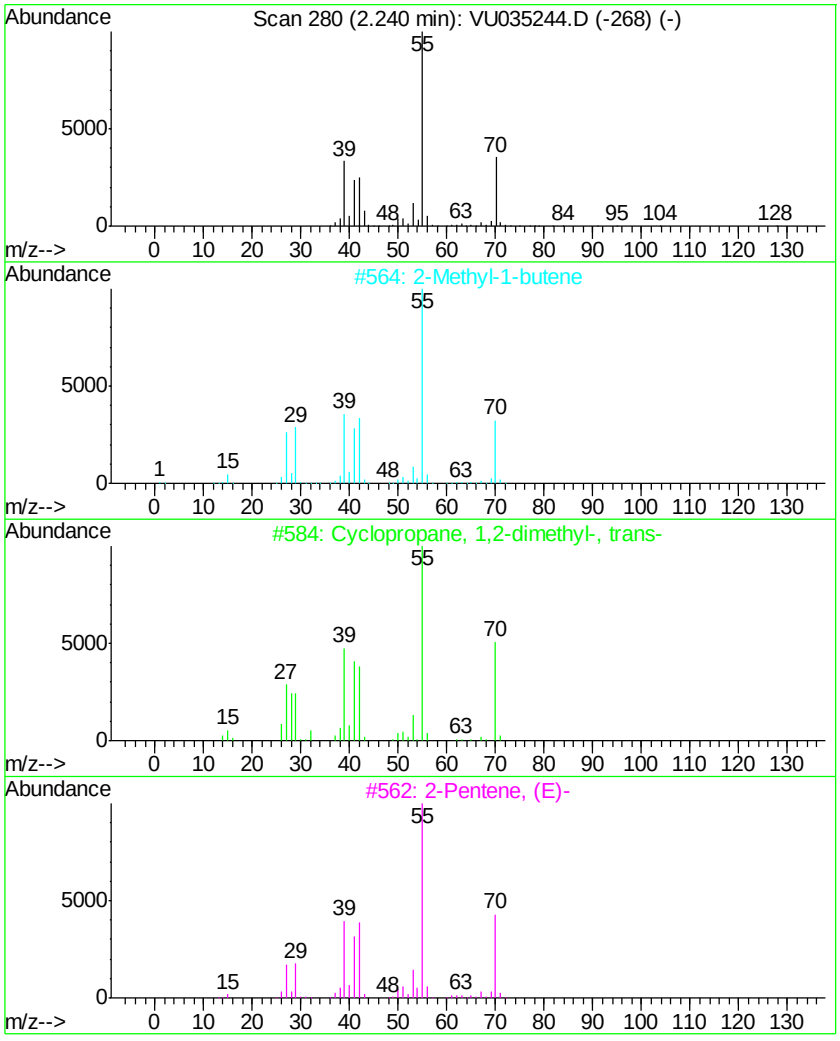
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

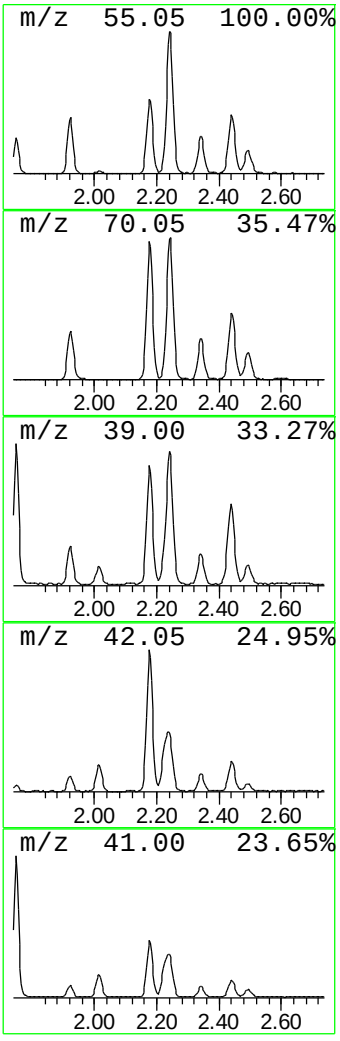
****

Peak Number 4 (DEL) Alkane: Cyclic2.24 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.24	4.47 ug/L	766871	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	90
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
3	2-Pentene, (E)-	70	C5H10	000646-04-8	87
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	83
5	1-Butene, 3-methyl-	70	C5H10	000563-45-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

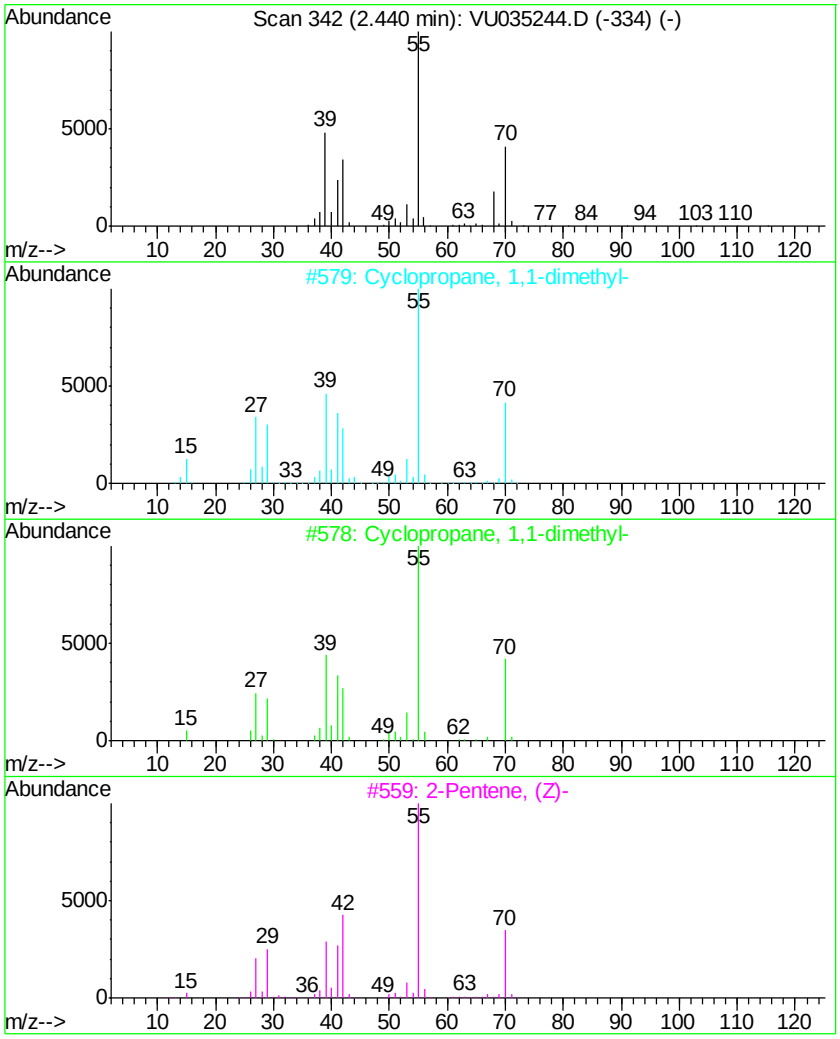
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

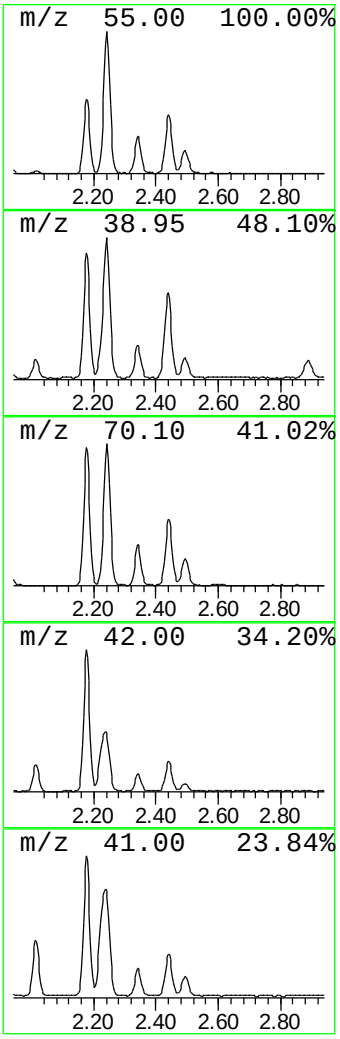
****

Peak Number 5 (DEL) Alkane: Cyclic2.44 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	1.69 ug/L	289702	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	53
4	2-Pentene	70	C5H10	000109-68-2	52
5	1-Butene, 3-methyl-	70	C5H10	000563-45-1	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

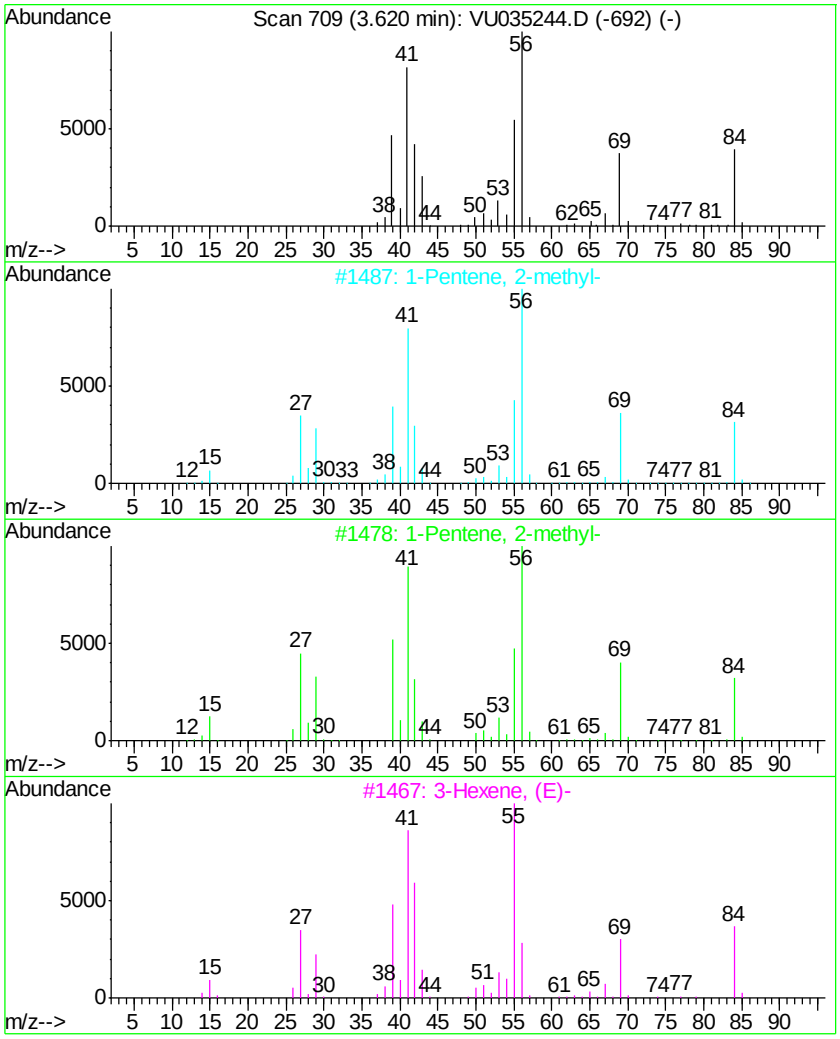
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

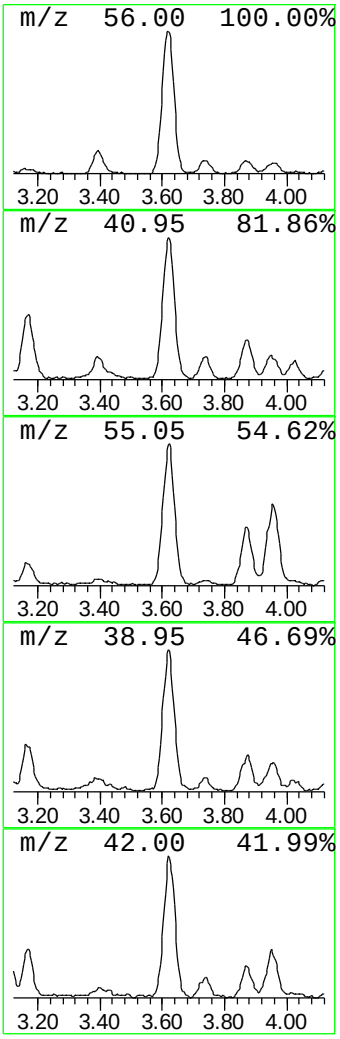
****

Peak Number 6 (DEL) Alkane: Cyclic3.62 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	1.96 ug/L	336111	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	95
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	95
3	3-Hexene, (E)-	84	C6H12	013269-52-8	58
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	58
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

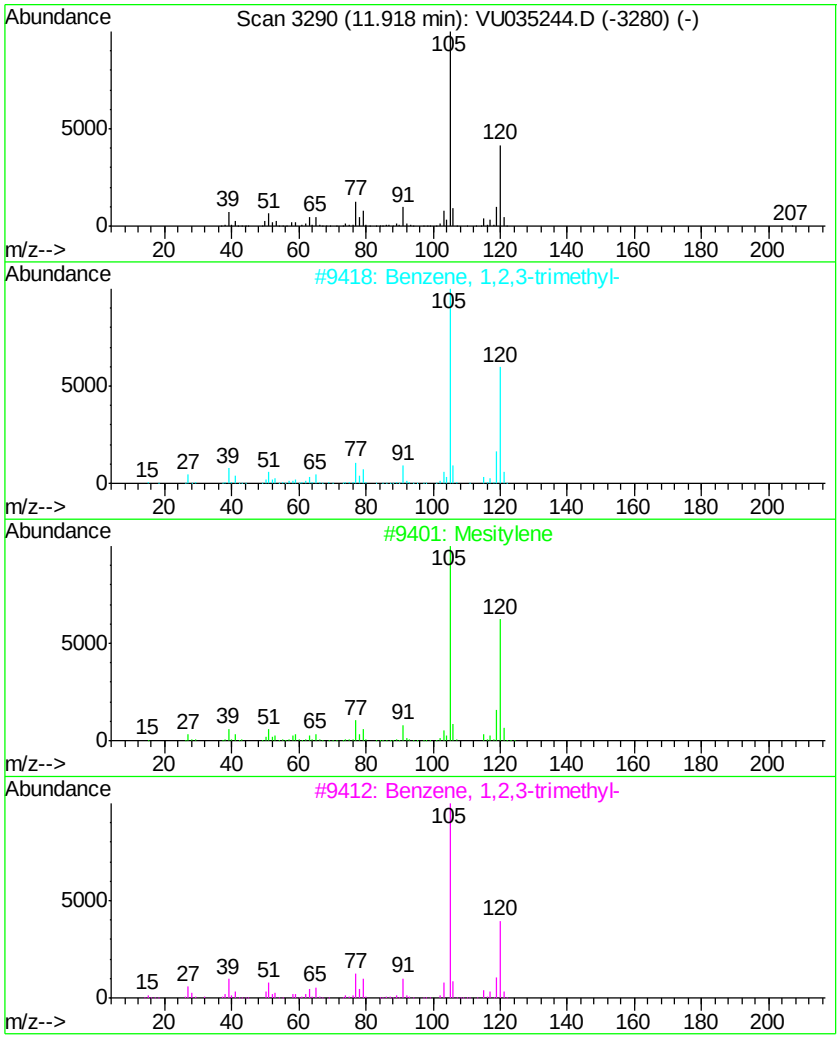
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

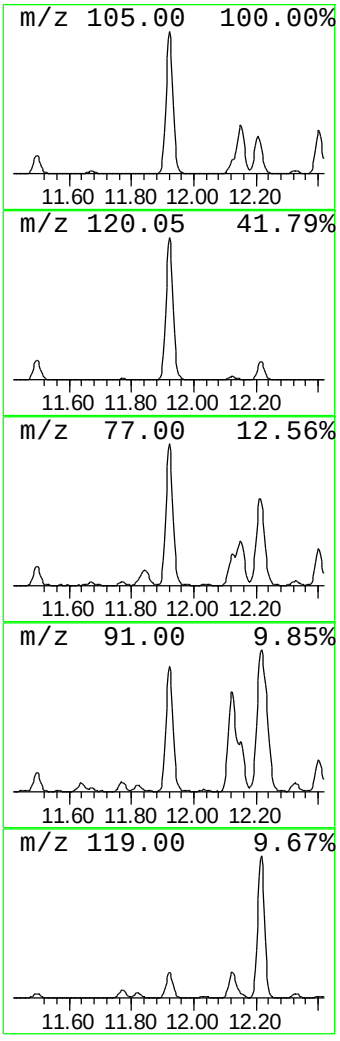
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.97 ug/L	1180380	1,4-Dichlorobenzene-d4	11.84

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

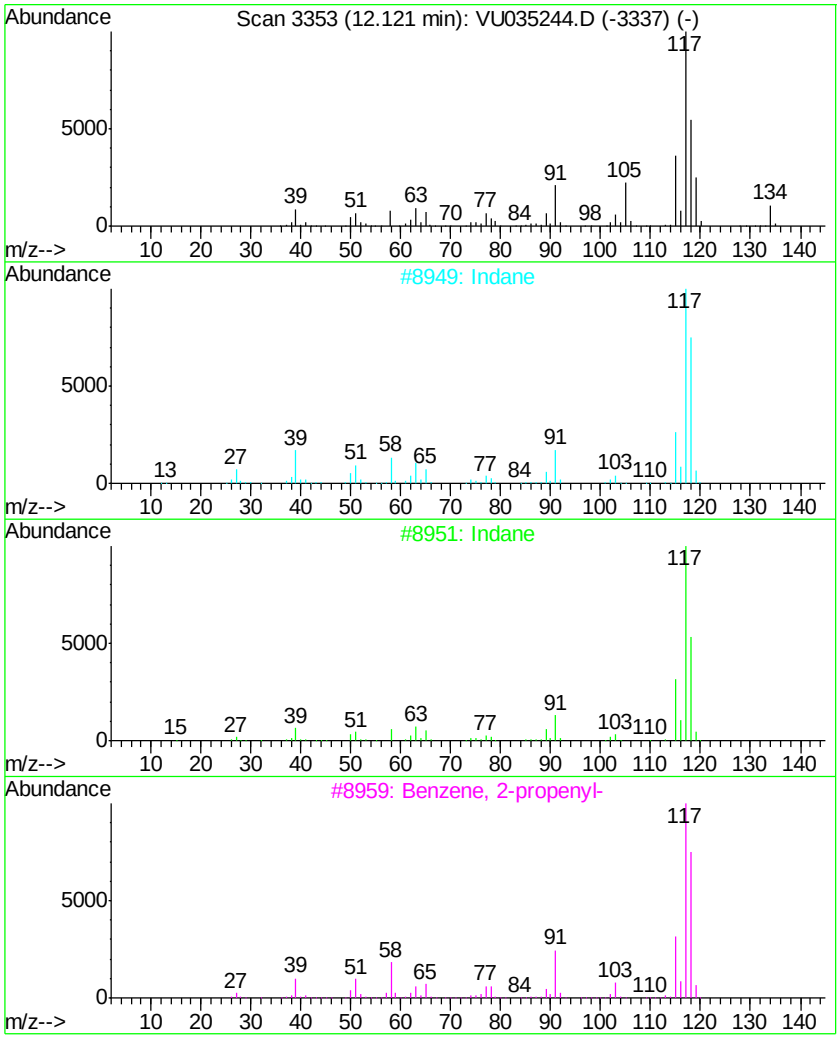
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

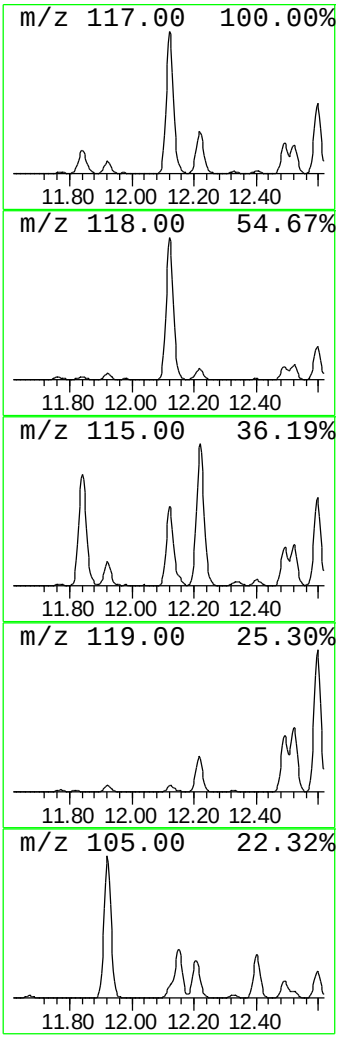
****

Peak Number 9 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.58 ug/L	706700	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	70
2	Indane	118	C9H10	000496-11-7	64
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

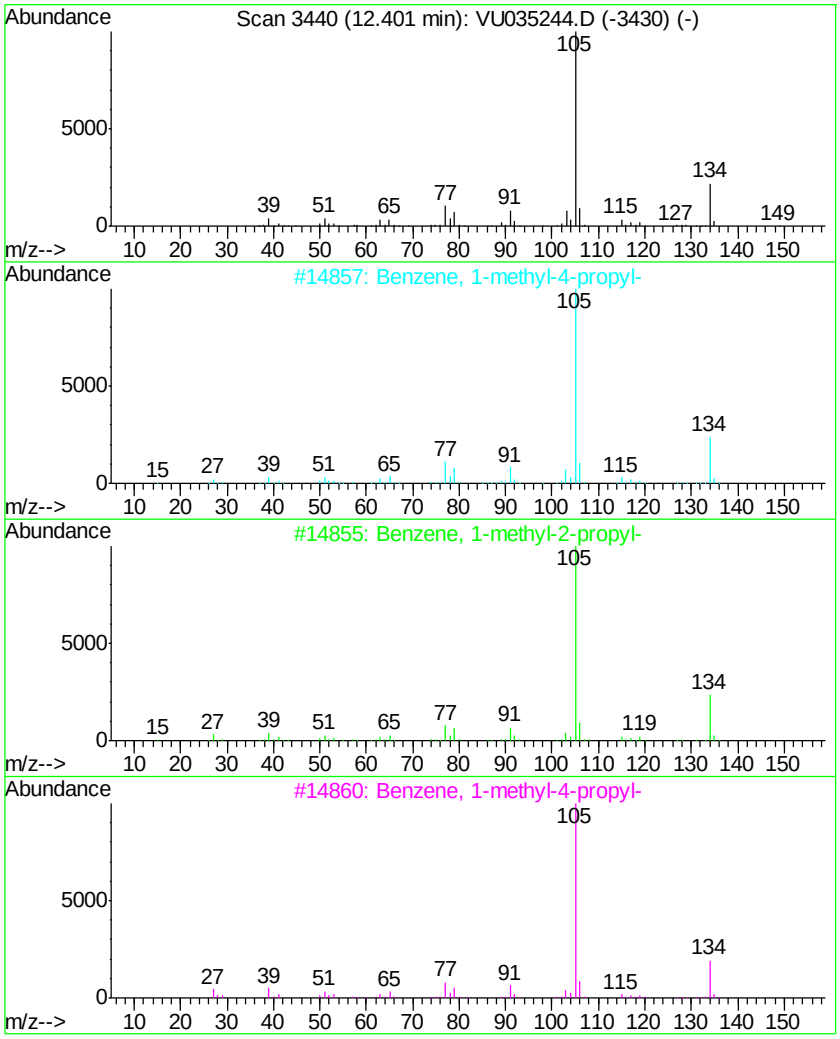
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

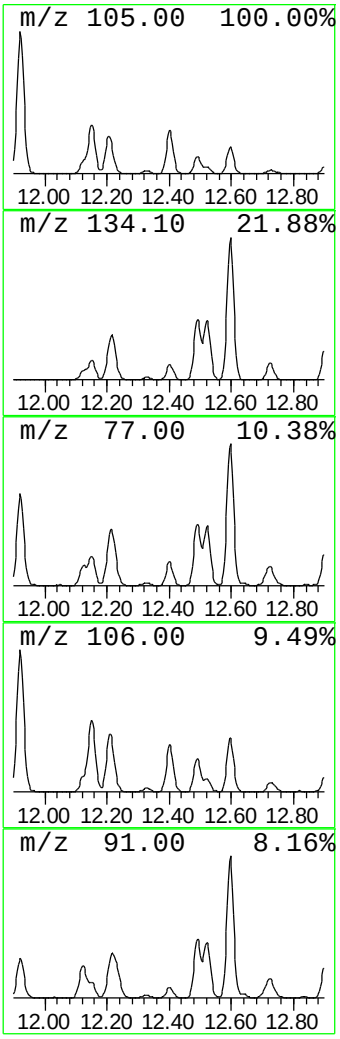
****

Peak Number 10 Benzene, 1-methyl-4-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	1.46 ug/L	288841	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90





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Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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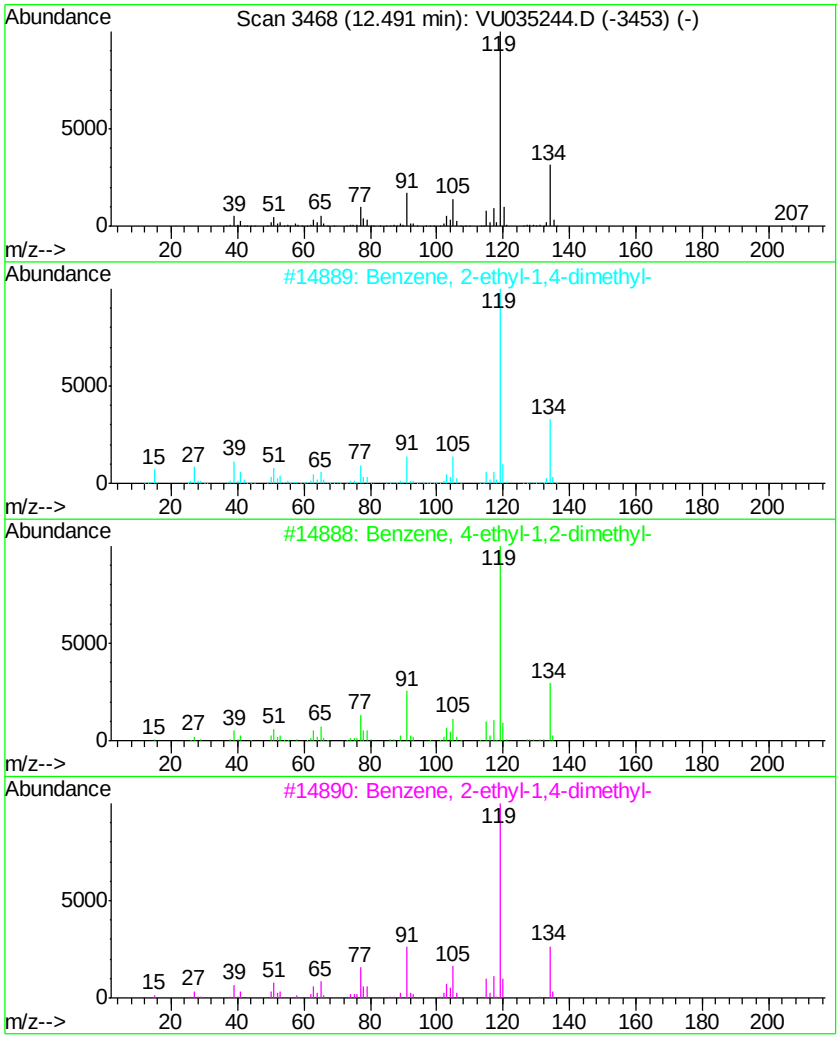
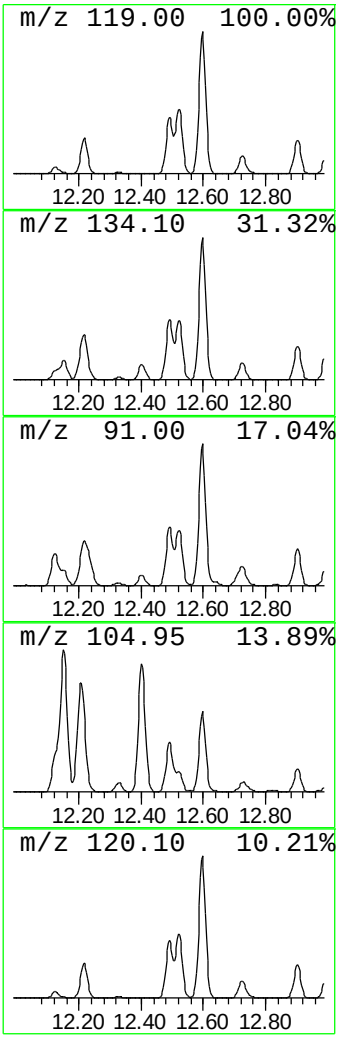
Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.32 ug/L	1051310	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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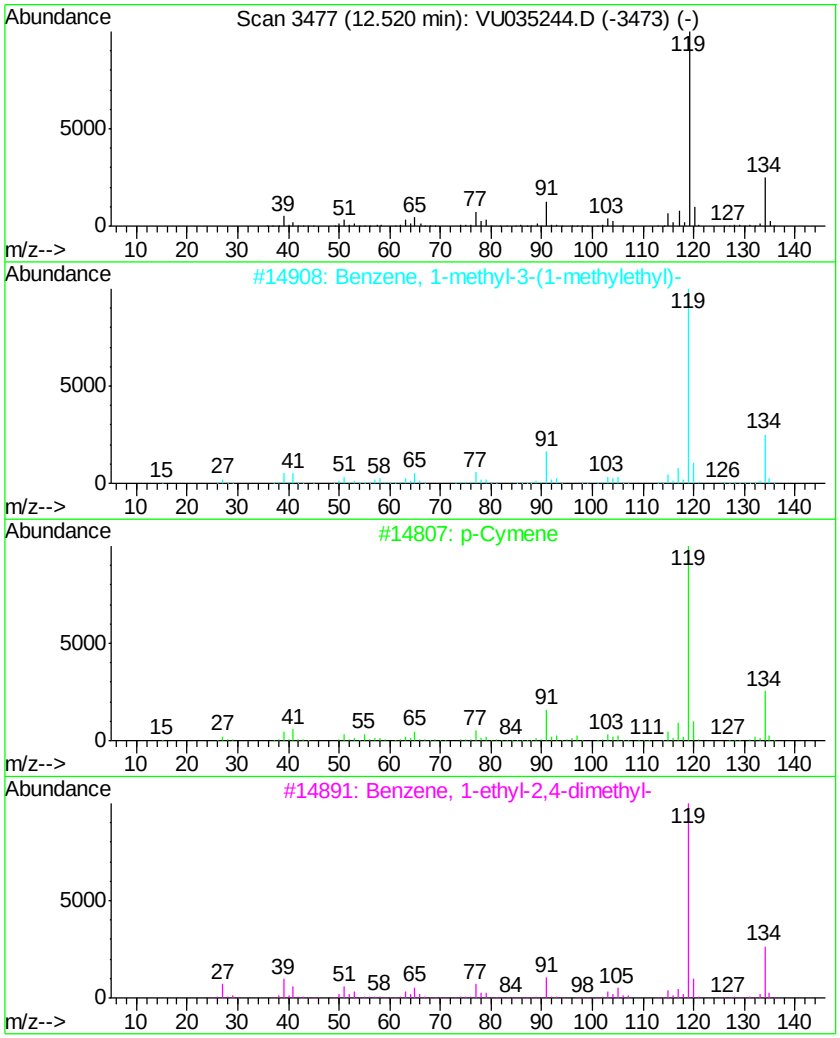
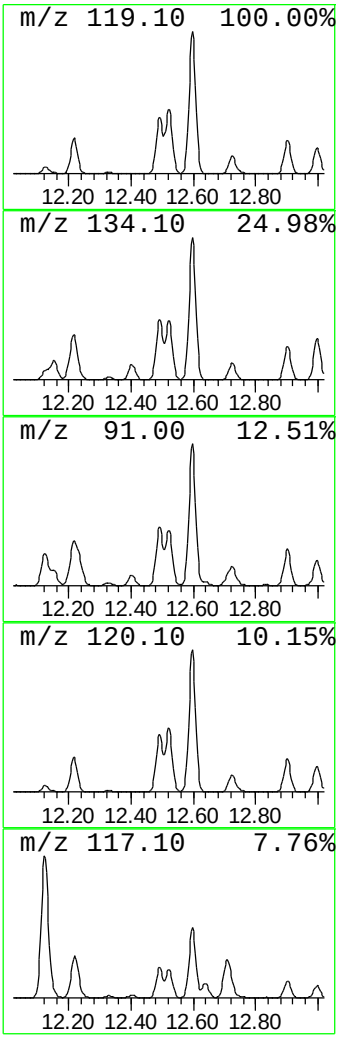
Peak Number 12 Benzene, 1-methyl-3-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	4.70 ug/L	929524	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	p-Cymene	134	C10H14	000099-87-6	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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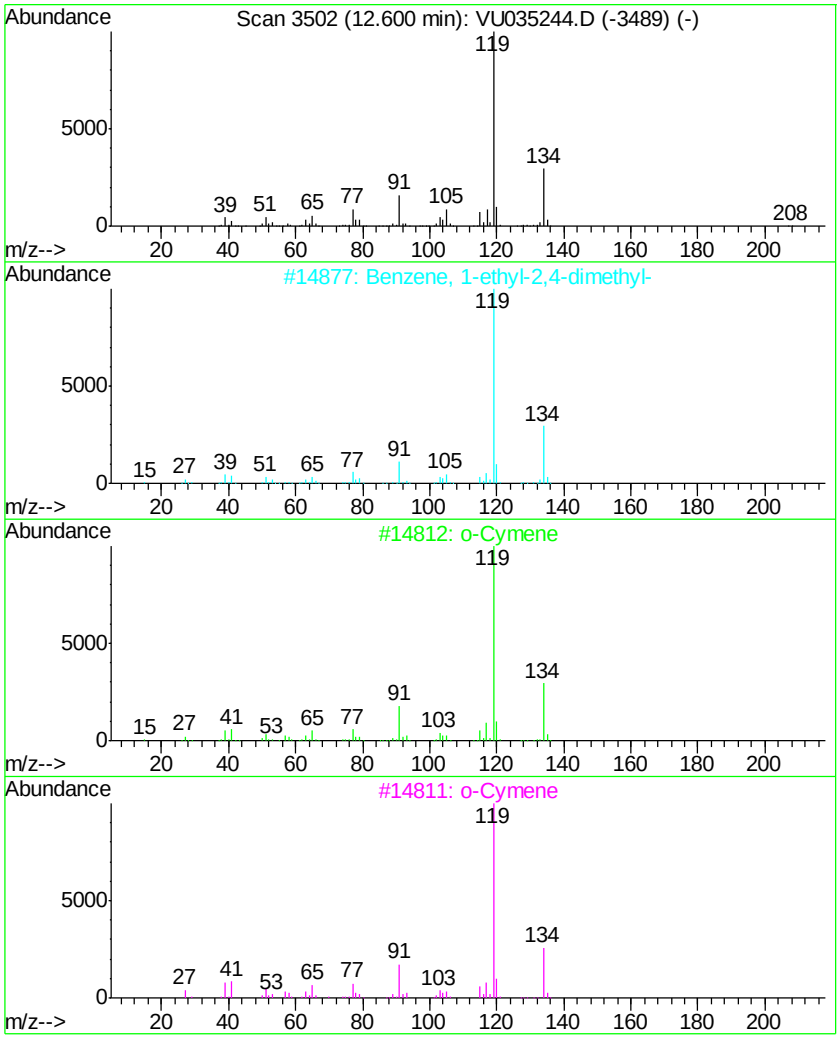
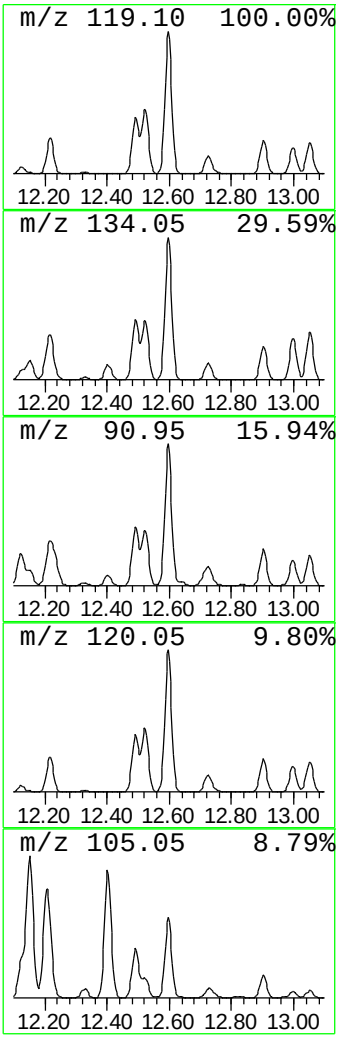
Peak Number 13 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	11.91 ug/L	2354050	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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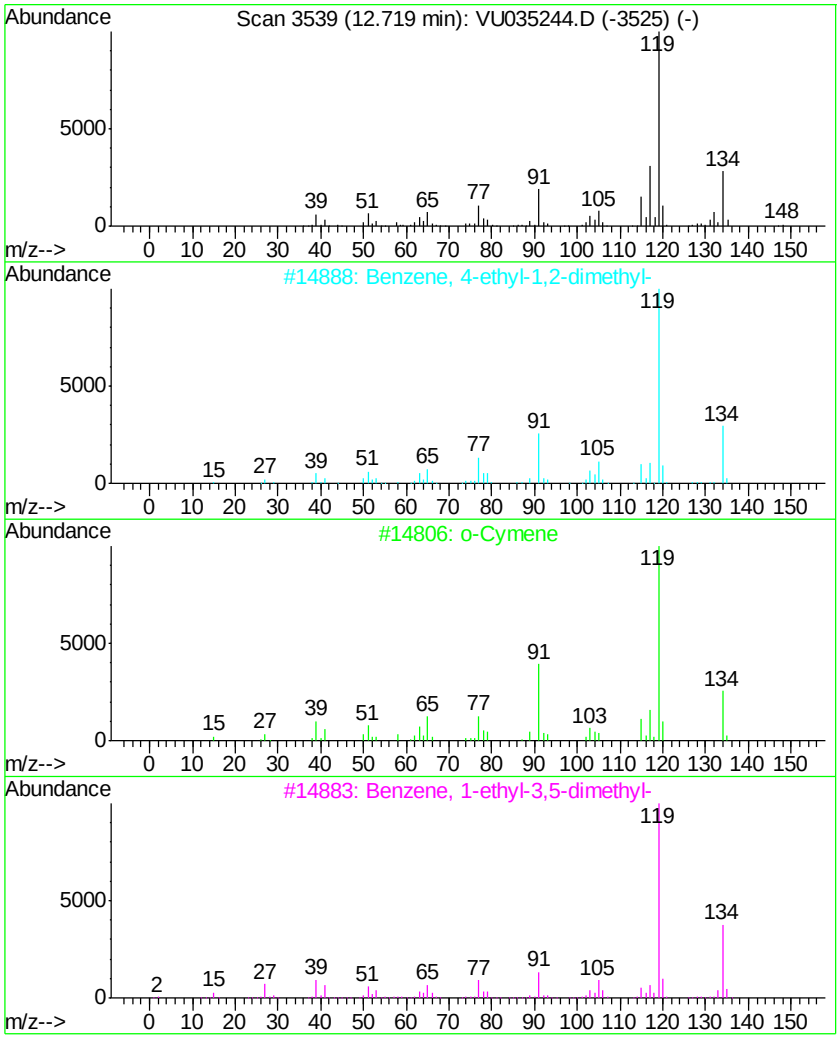
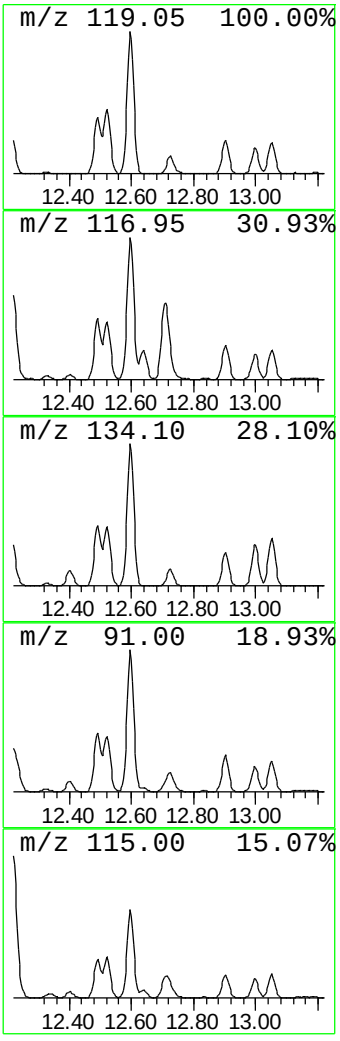
Peak Number 14 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	2.27 ug/L	449302	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	o-Cymene	134	C10H14	000527-84-4	90
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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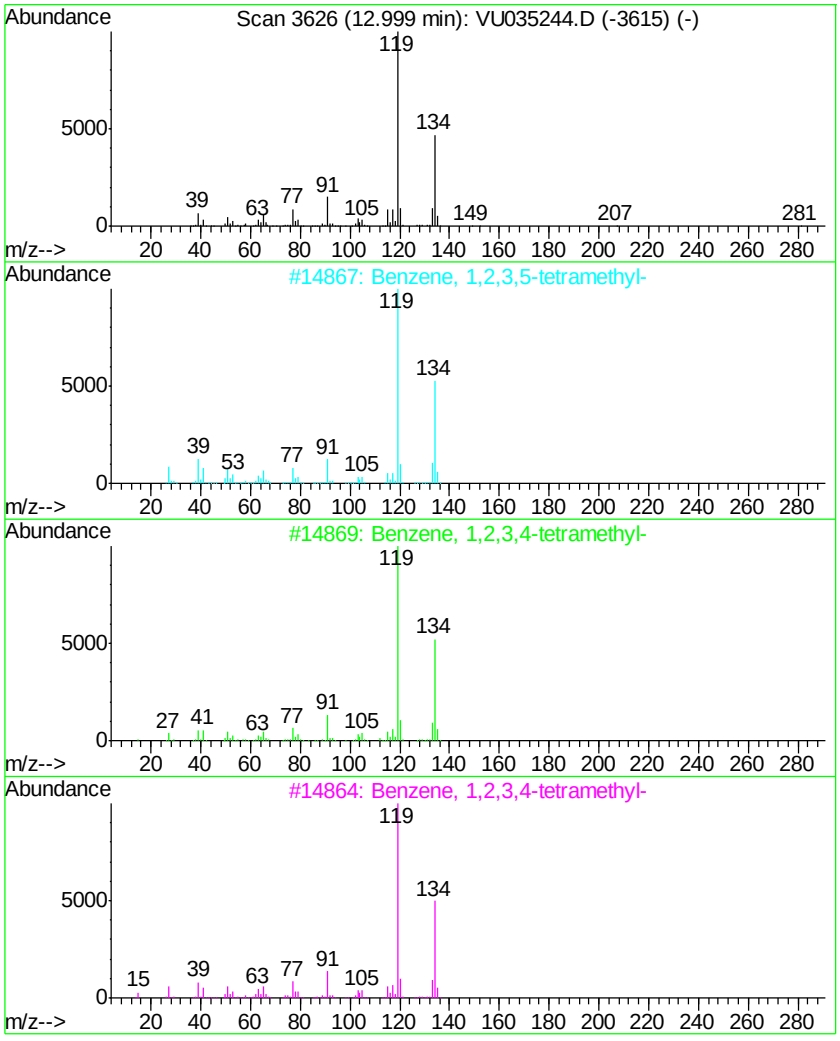
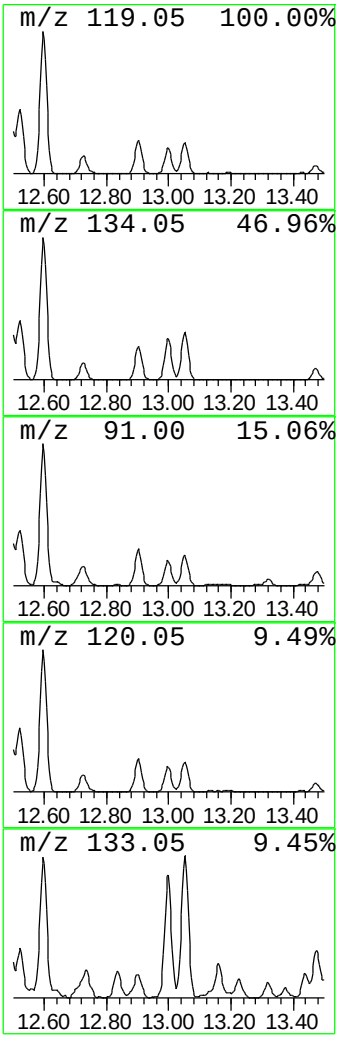
Peak Number 16 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.38 ug/L	470224	1,4-Dichlorobenzene-d4	11.84

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	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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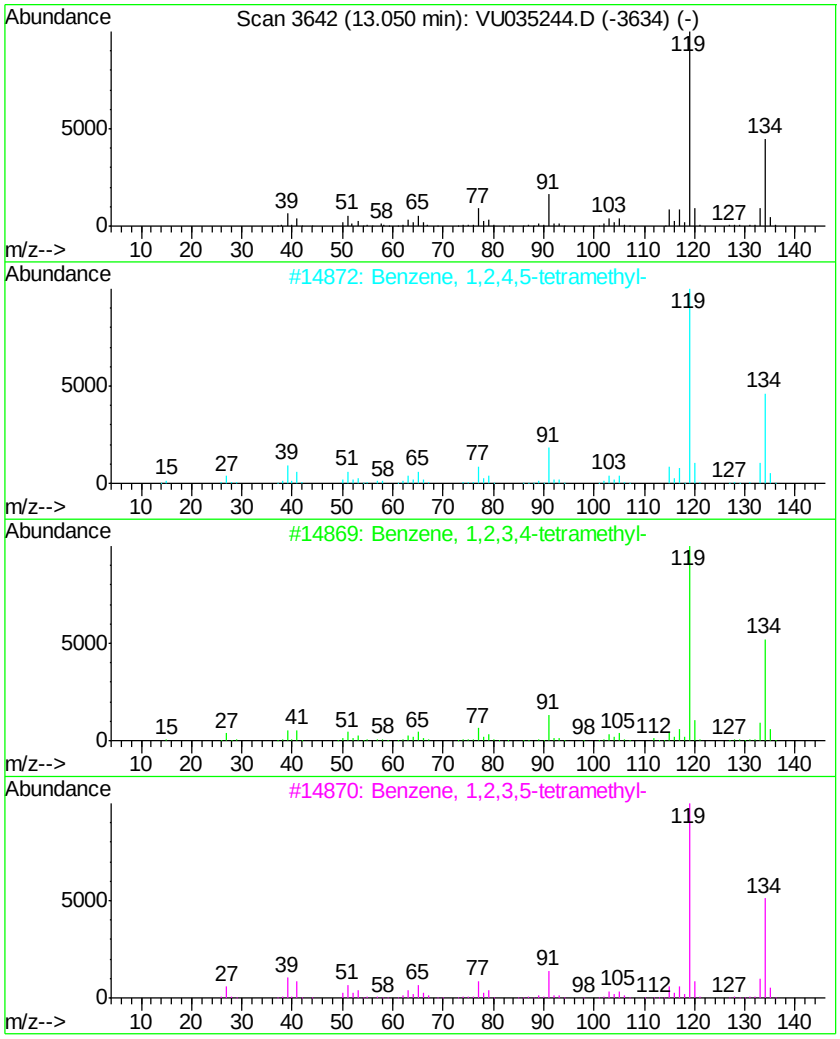
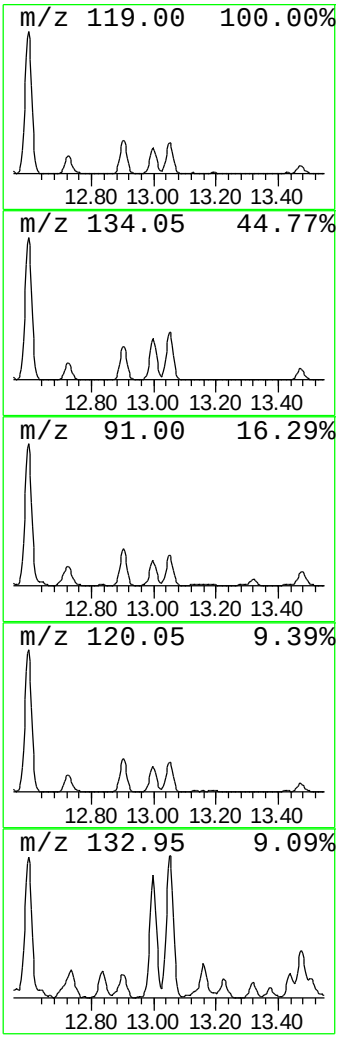
Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.88 ug/L	568903	1,4-Dichlorobenzene-d4	11.84

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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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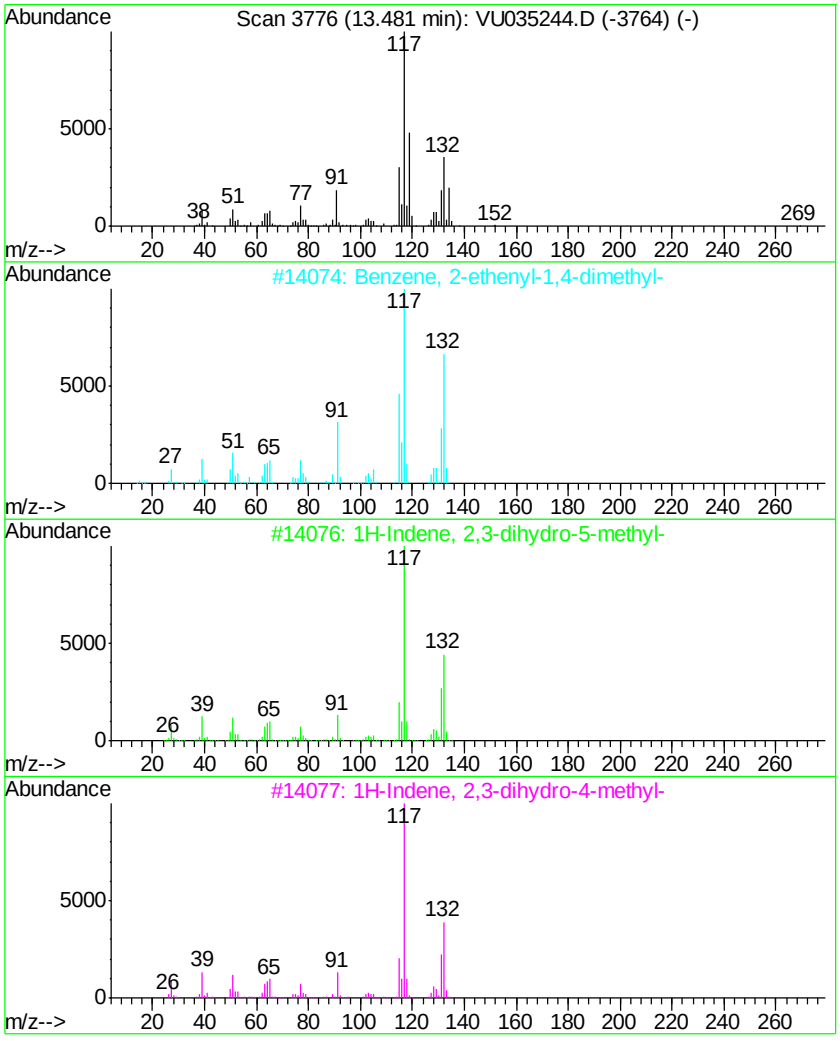
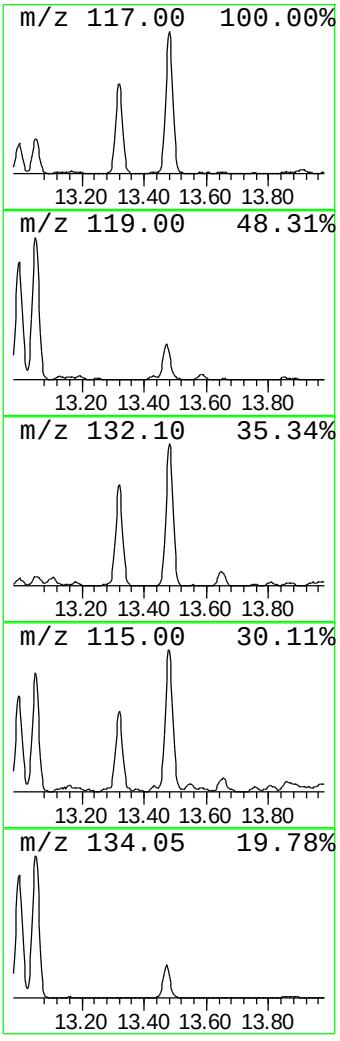
Peak Number 18 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	1.84 ug/L	363082	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Data File : VU035244.D
Acq On : 18 Oct 2019 05:17
Operator : JC/SP
Sample : K5419-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FY9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.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...	1.37	14.6	ug/L	2502230	1	6.29	858573	5.0
(DEL) Alkane: Cyc...	1.75	2.5	ug/L	437729	1	6.29	858573	5.0
(DEL) Alkane: Cyc...	2.18	3.1	ug/L	528067	1	6.29	858573	5.0
(DEL) Alkane: Cyc...	2.24	4.5	ug/L	766871	1	6.29	858573	5.0
(DEL) Alkane: Cyc...	2.44	1.7	ug/L	289702	1	6.29	858573	5.0
(DEL) Alkane: Cyc...	3.62	2.0	ug/L	336111	1	6.29	858573	5.0
Benzene, 1,2,3-tr...	11.92	6.0	ug/L	1180380	3	11.84	988165	5.0
Indane	12.12	3.6	ug/L	706700	3	11.84	988165	5.0
Benzene, 1-methyl...	12.40	1.5	ug/L	288841	3	11.84	988165	5.0
Benzene, 2-ethyl-...	12.49	5.3	ug/L	1051310	3	11.84	988165	5.0
Benzene, 1-methyl...	12.52	4.7	ug/L	929524	3	11.84	988165	5.0
Benzene, 1-ethyl-...	12.60	11.9	ug/L	2354050	3	11.84	988165	5.0
Benzene, 4-ethyl-...	12.72	2.3	ug/L	449302	3	11.84	988165	5.0
Benzene, 1,2,3,5-...	13.00	2.4	ug/L	470224	3	11.84	988165	5.0
Benzene, 1,2,4,5-...	13.05	2.9	ug/L	568903	3	11.84	988165	5.0
Benzene, 2-etheny...	13.48	1.8	ug/L	363082	3	11.84	988165	5.0