LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

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\SOMUTR052219WMA.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	1.299	60	65	71	rBV3	23558	20978	1.48%	0.126%
2	1.399	87	96	106	rBV	189155	208797	14.74%	1.259%
3	1.682	176	184	197	rVV	155105	195197	13.78%	1.177%
4	1.756	199	207	220	rVB	200441	263662	18.61%	1.589%
5	2.270	355	367	386	rBV	322970	527711	37.24%	3.181%
6	2.701	490	501	519	rBV3	36088	84019	5.93%	0.506%
7	2.785	519	527	532	rVV2	20494	36737	2.59%	0.221%
8	2.836	533	543	563	rVB	67356	145595	10.28%	0.878%
9	2.987	579	590	608	rVB2	44584	101951	7.20%	0.615%
10	4.080	912	930	947	rBV4	25099	62992	4.45%	0.380%
11	4.203	951	968	1004	rBV2	196972	707539	49.93%	4.265%
12	4.643	1087	1105	1128	rBV	229387	555093	39.17%	3.346%
13	4.984	1196	1211	1224	rBV9	8188	18445	1.30%	0.111%
14	5.074	1224	1239	1251	rBV4	12030	28786	2.03%	0.174%
15	5.334	1300	1320	1352	rBV2	479523	1365520	96.37%	8.231%
16	5.881	1478	1490	1519	rBV	457795	934431	65.95%	5.633%
17	6.328	1615	1629	1648	rBV	295590	607446	42.87%	3.662%
18	7.228	1898	1909	1930	rBV	142085	270624	19.10%	1.631%
19	7.563	1999	2013	2043	rBV	618066	1120322	79.06%	6.753%
20	7.849	2093	2102	2128	rBV2	83173	159222	11.24%	0.960%
21	8.312	2235	2246	2279	rBV	717982	1416970	100.00%	8.542%
22	8.624	2333	2343	2356	rVB3	11861	20843	1.47%	0.126%
23	9.087	2475	2487	2511	rBV	666205	1139181	80.40%	6.867%
24	9.244	2525	2536	2565	rBV	652649	1069574	75.48%	6.447%
25	9.376	2565	2577	2600	rVB	154049	257893	18.20%	1.555%
26	10.164	2812	2822	2835	rBV	70162	110606	7.81%	0.667%
27	10.427	2892	2904	2920	rBV	248602	402338	28.39%	2.425%
28	10.585	2941	2953	2966	rBV	142475	230462	16.26%	1.389%
29	10.704	2974	2990	3001	rBV	60851	132902	9.38%	0.801%
30	10.768	3002	3010	3023	rVB2	37915	59988	4.23%	0.362%
31	10.968	3060	3072	3096	rVB	112046	187389	13.22%	1.130%
32	11.144	3116	3127	3150	rBV	229091	368518	26.01%	2.221%
33	11.321	3176	3182	3197	rVB2	14104	24572	1.73%	0.148%
34	11.424	3207	3214	3221	rBV	16010	23158	1.63%	0.140%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

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\SOMUTR052219WMA.M
Title : TRACE VOA SOM01.0

35	11.479	3221	3231	3253	rVV	676528	1115131	78.70%	6.722%
36	11.762	3307	3319	3329	rBV	225060	415688	29.34%	2.506%
37	11.855	3339	3348	3377	rVB2	669275	1155651	81.56%	6.966%
38	11.977	3377	3386	3398	rVB5	13282	20441	1.44%	0.123%
39	12.054	3401	3410	3421	rBV	27820	43648	3.08%	0.263%
40	12.144	3427	3438	3443	rBV	54038	86567	6.11%	0.522%
41	12.250	3460	3471	3477	rBV2	78332	122085	8.62%	0.736%
42	12.350	3491	3502	3527	rVB3	63766	123482	8.71%	0.744%
43	12.646	3577	3594	3602	rBV2	54856	89050	6.28%	0.537%
44	12.701	3602	3611	3623	rVB	74200	117670	8.30%	0.709%
45	12.964	3685	3693	3703	rVB2	29105	43320	3.06%	0.261%
46	13.119	3720	3741	3760	rBV3	125388	234749	16.57%	1.415%
47	13.289	3786	3794	3811	rVB8	13660	27667	1.95%	0.167%
48	13.508	3854	3862	3877	rBV8	18760	36248	2.56%	0.219%
49	13.604	3887	3892	3902	rVB4	11407	16110	1.14%	0.097%
50	13.749	3921	3937	3947	rBV2	21325	45877	3.24%	0.277%
51	14.154	4054	4063	4075	rBV3	11127	18642	1.32%	0.112%
52	14.334	4112	4119	4133	rVB9	8499	17550	1.24%	0.106%

Sum of corrected areas: 16589037

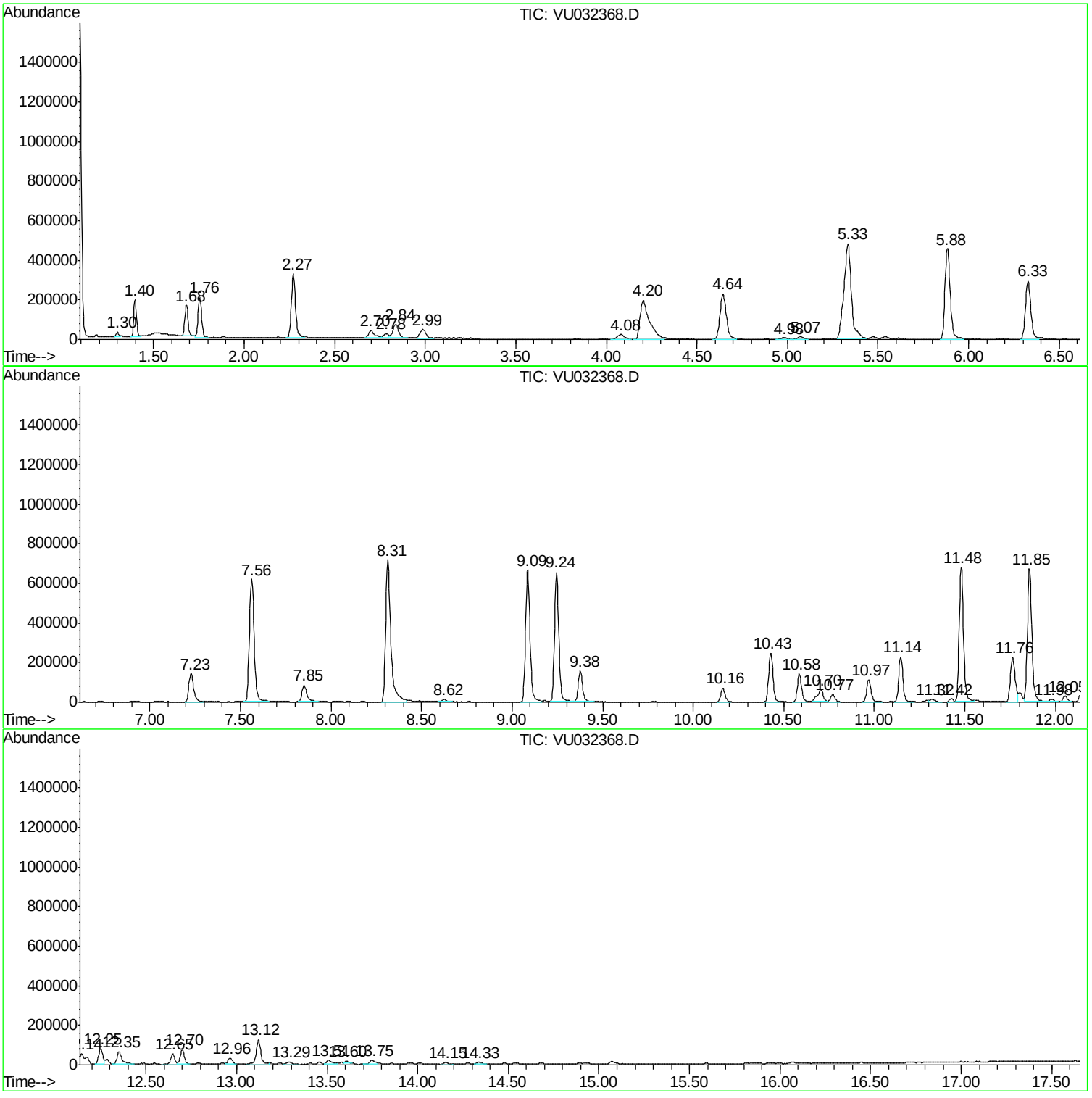
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C52DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.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\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

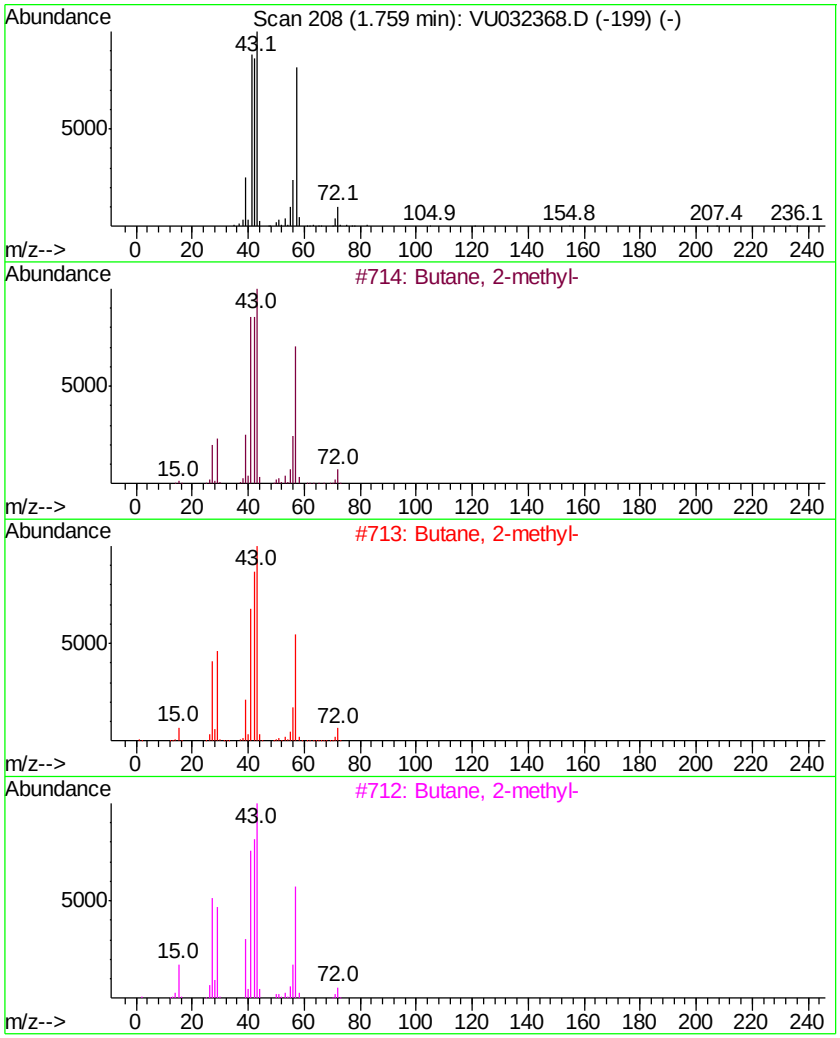
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

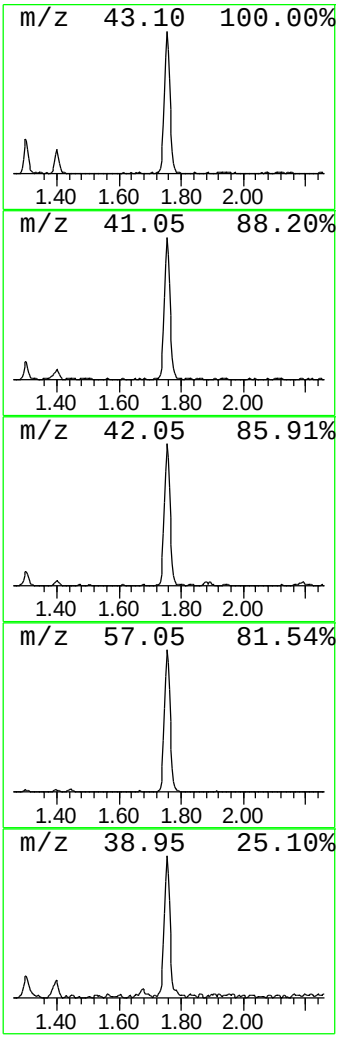
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	1.41 ug/L	263662	1,4-Difluorobenzene	5.88

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	90
4	Pentane	72	C5H12	000109-66-0	42
5	Oxirane, trimethyl-	86	C5H10O	005076-19-7	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

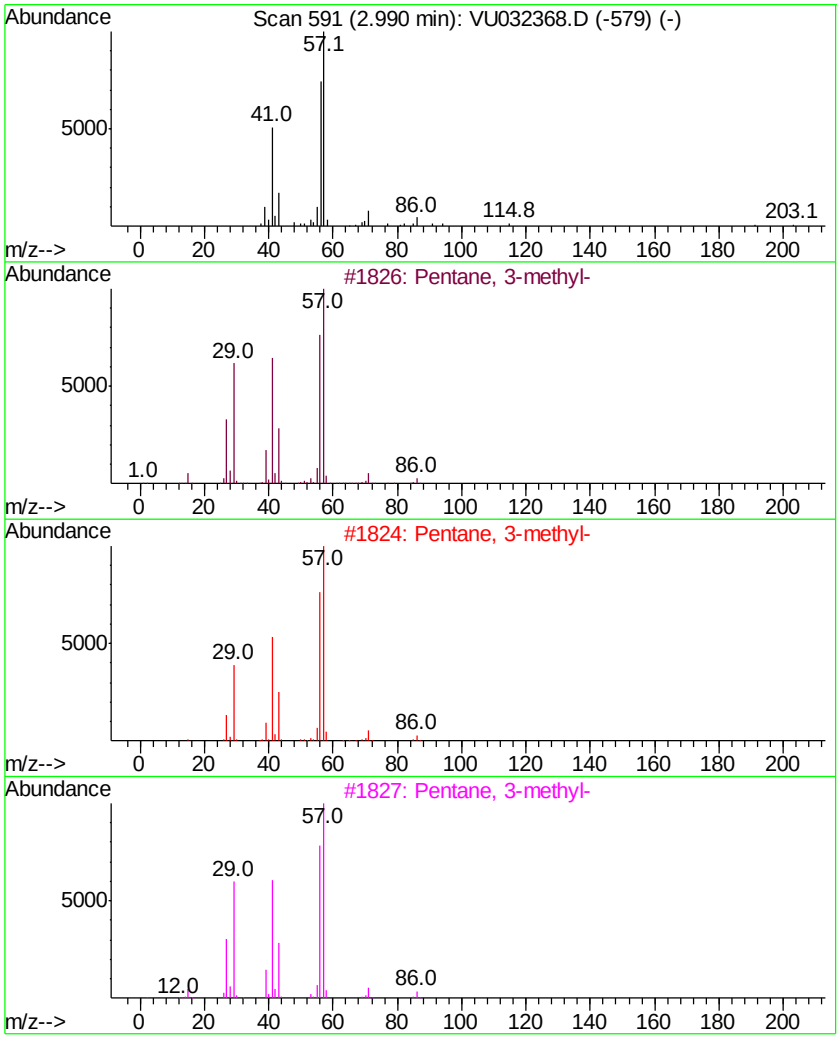
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

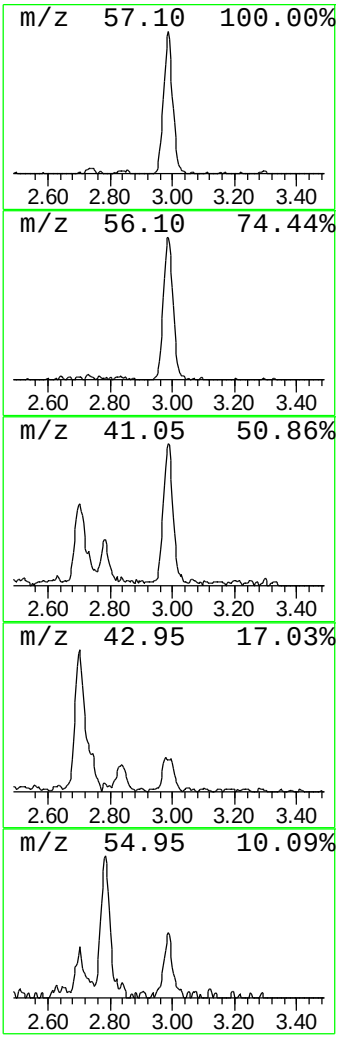
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	0.55 ug/L	101951	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	72
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	72
4	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	72
5	4-Penten-2-ol, 4-methyl-	100	C6H12O	002004-67-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

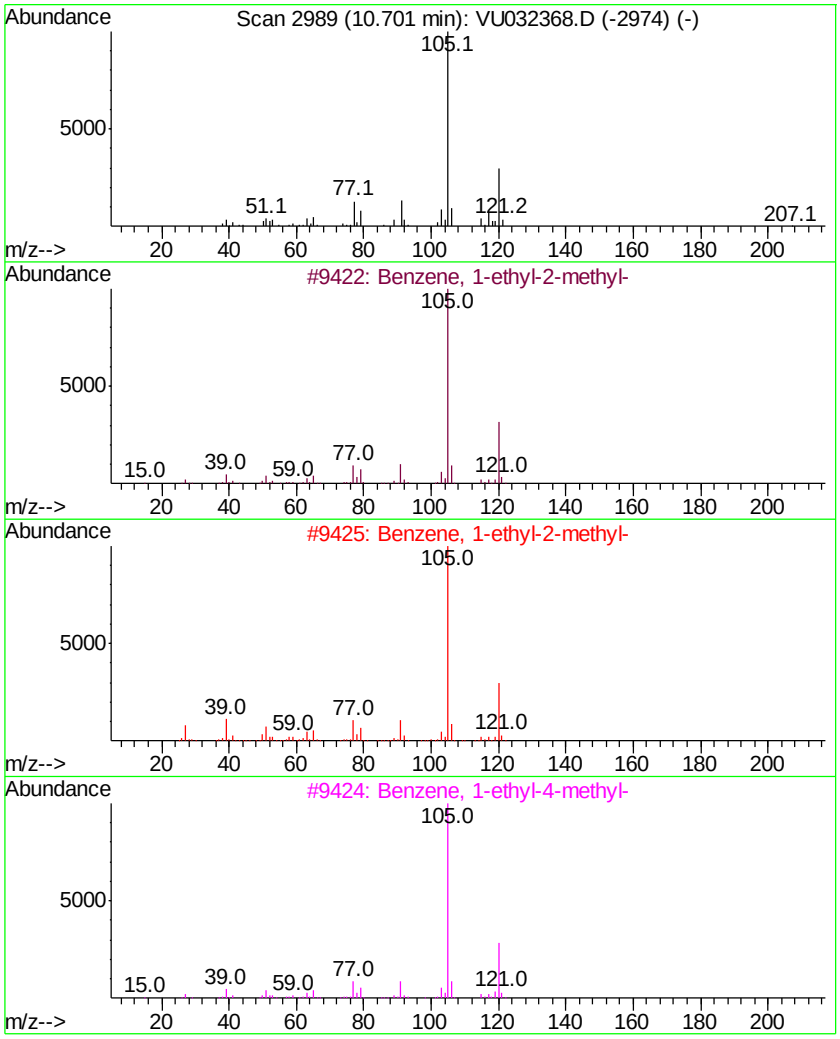
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

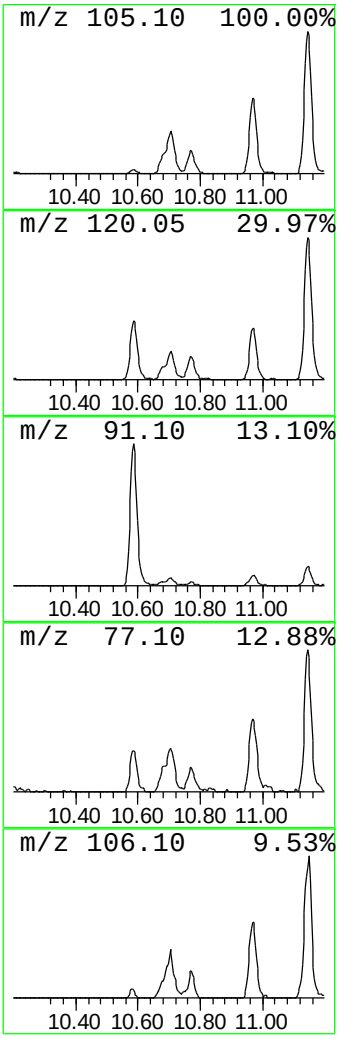
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	0.60 ug/L	132902	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

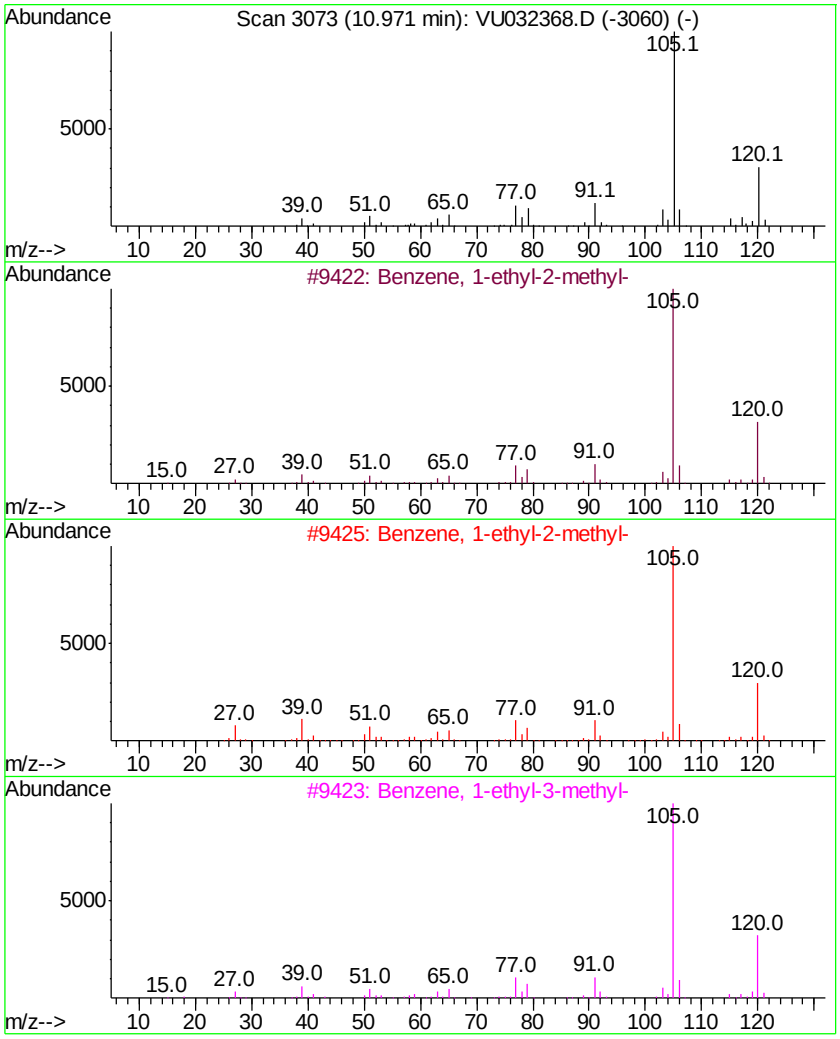
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

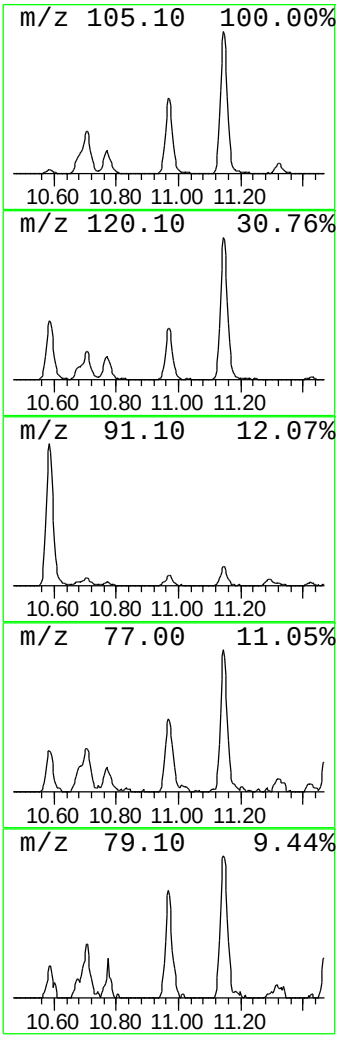
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	0.84 ug/L	187389	1,4-Dichlorobenzene-d4	11.48

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	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

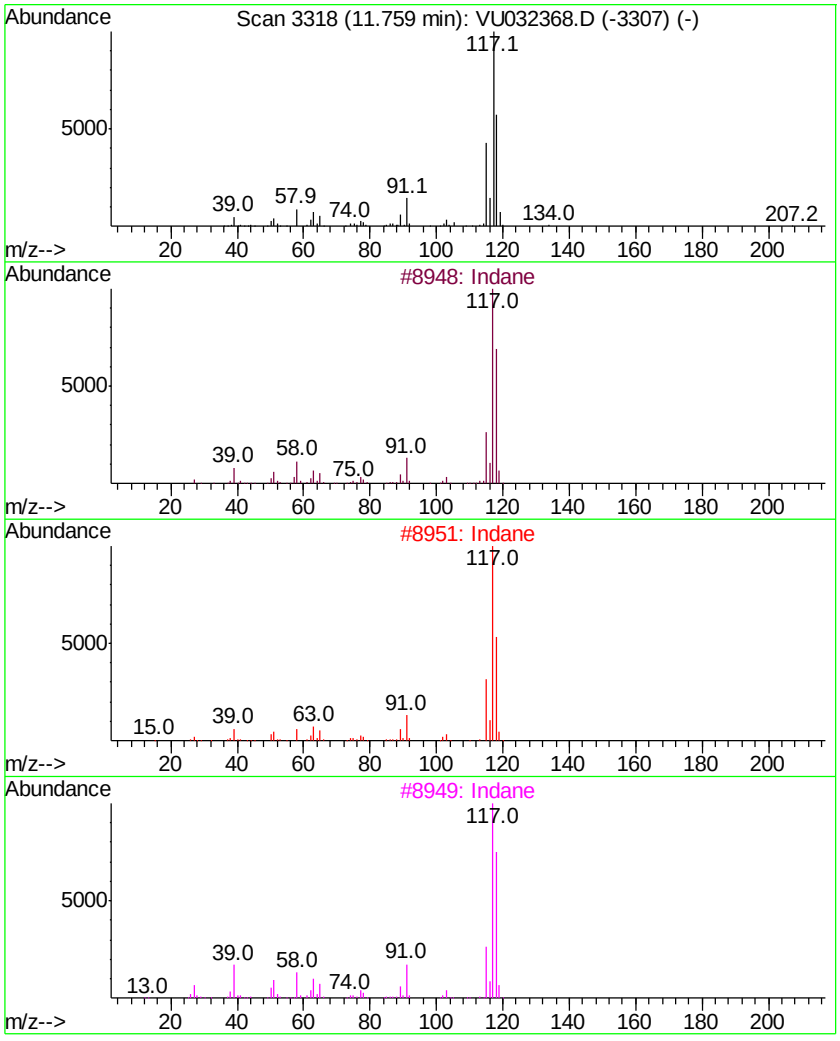
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

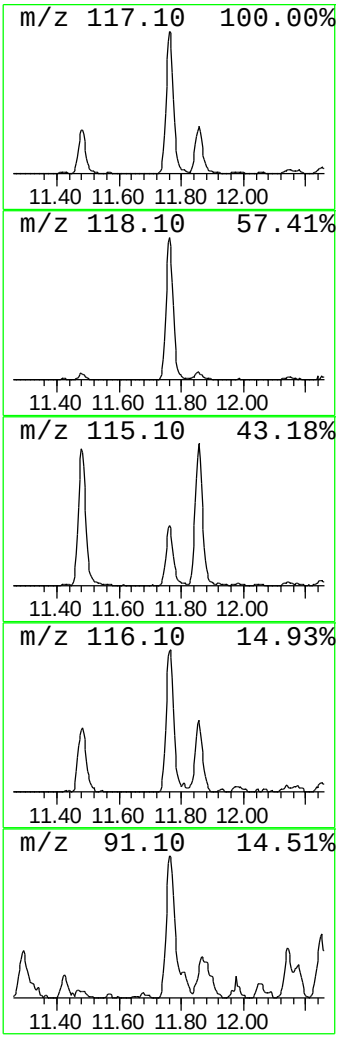
****

Peak Number 9 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	1.86 ug/L	415688	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	81
3	Indane	118	C9H10	000496-11-7	76
4	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	68
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
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Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

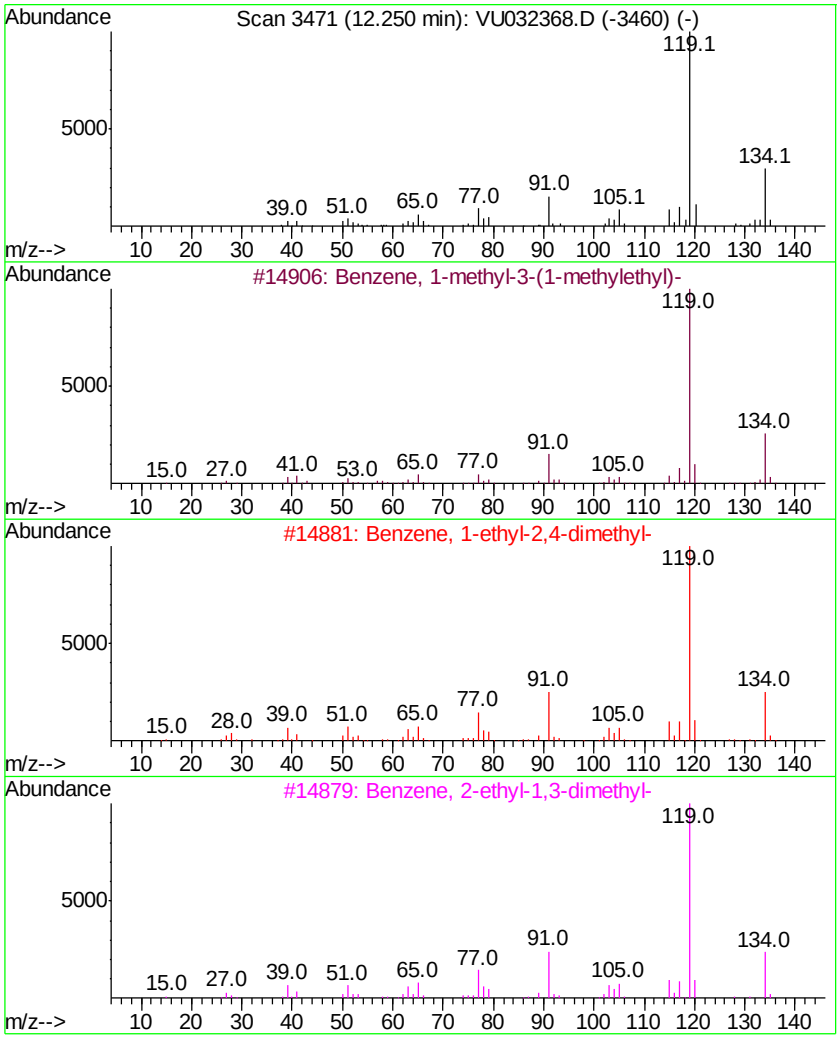
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

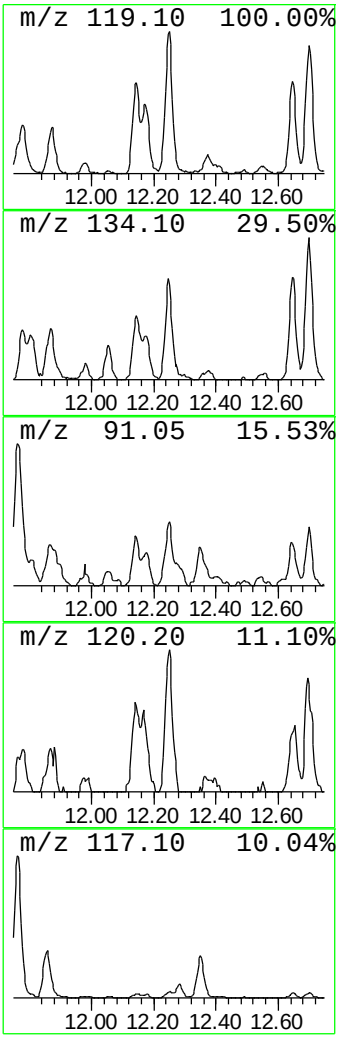
****

Peak Number 10 Benzene, 1-methyl-3-(1-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	0.55 ug/L	122085	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

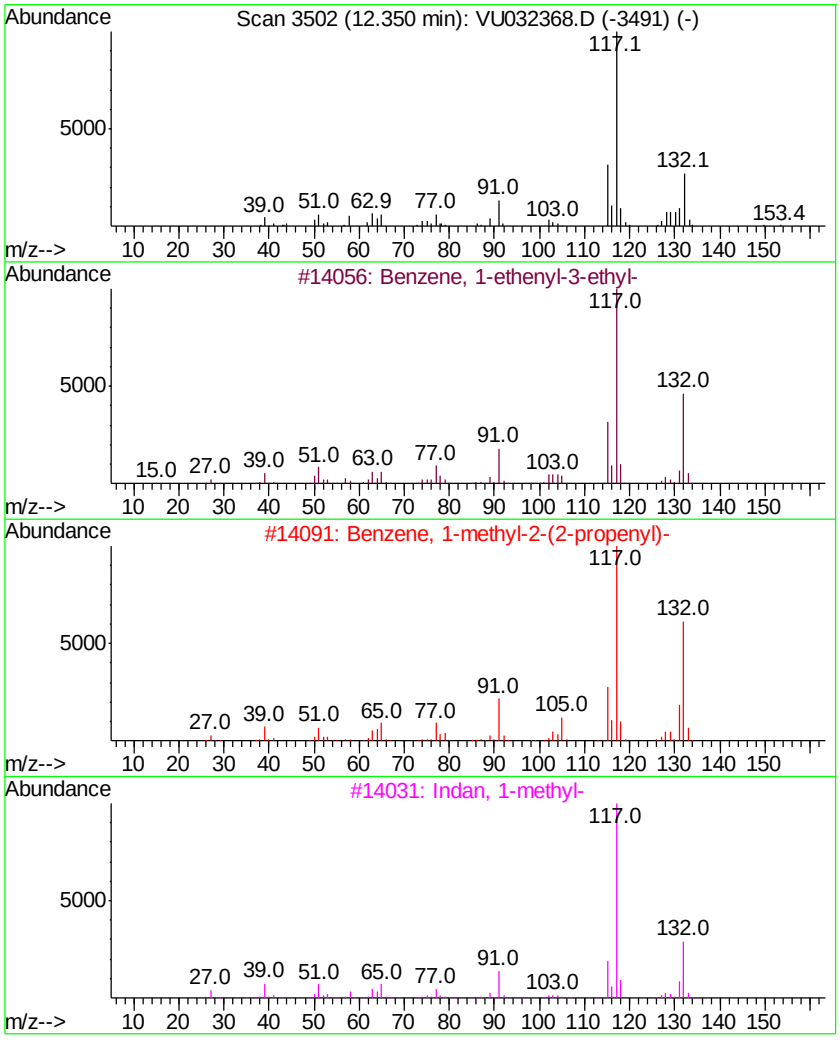
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

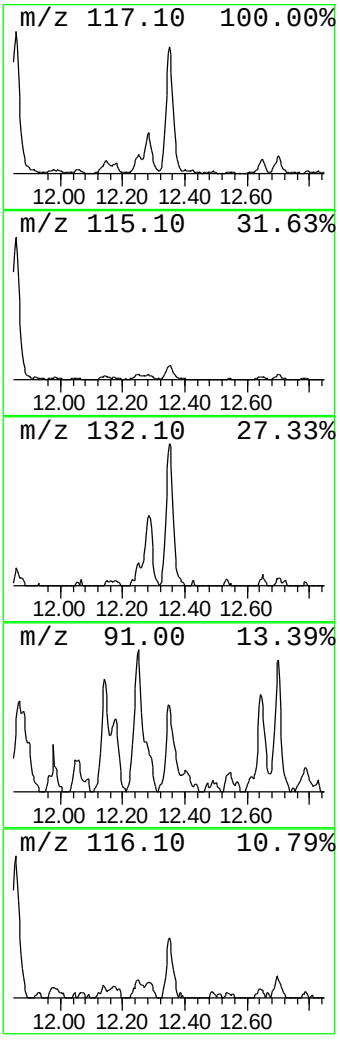
****

Peak Number 11 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	0.55 ug/L	123482	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	86
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

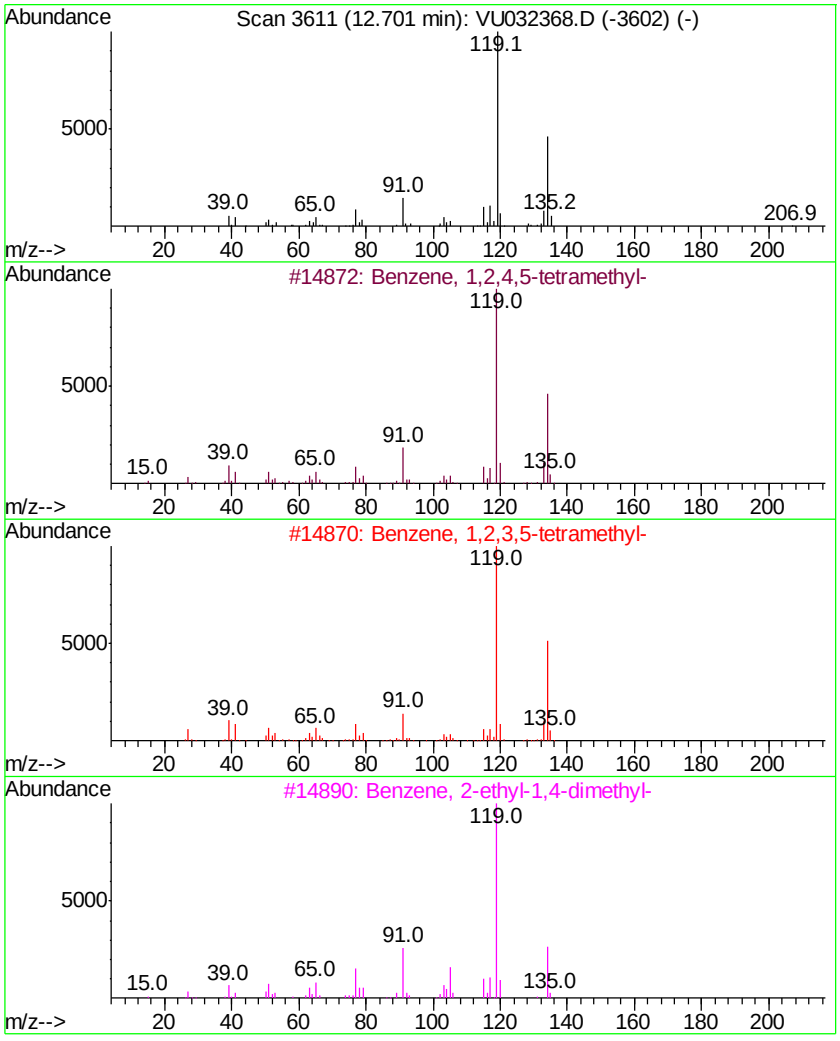
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

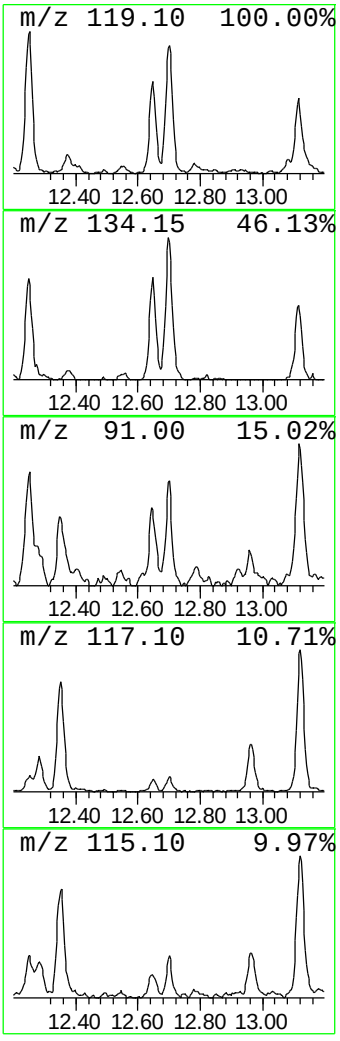
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	0.53 ug/L	117670	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

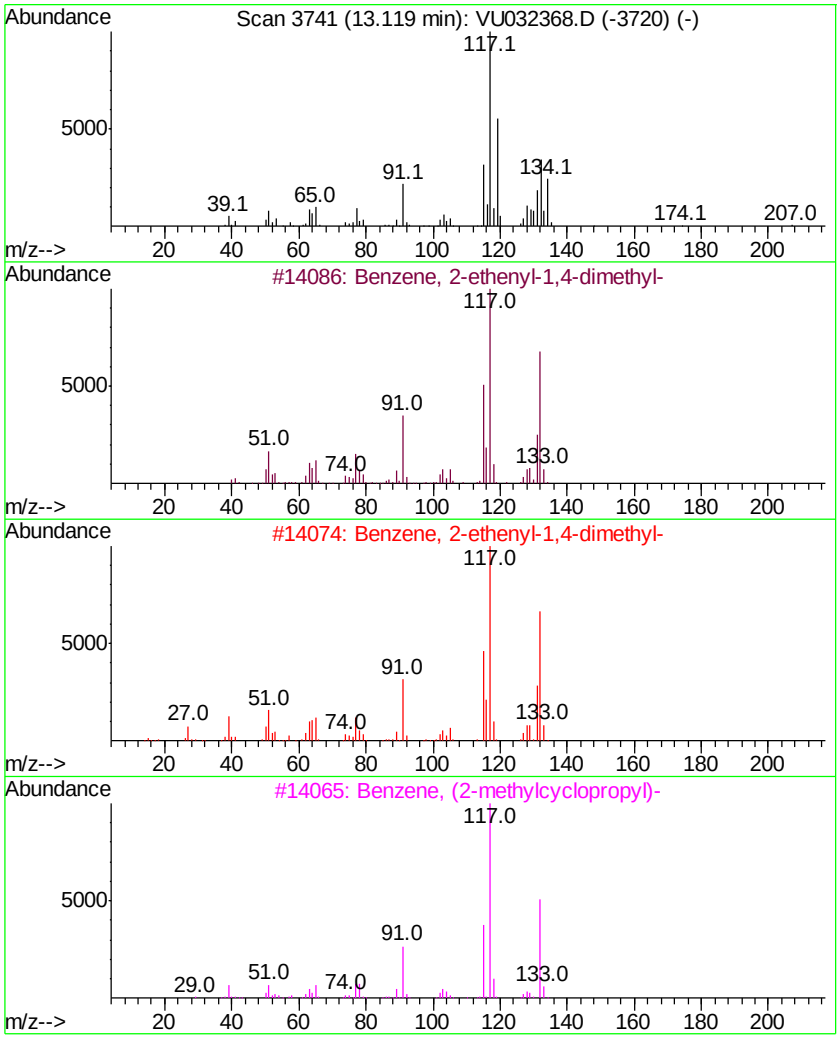
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

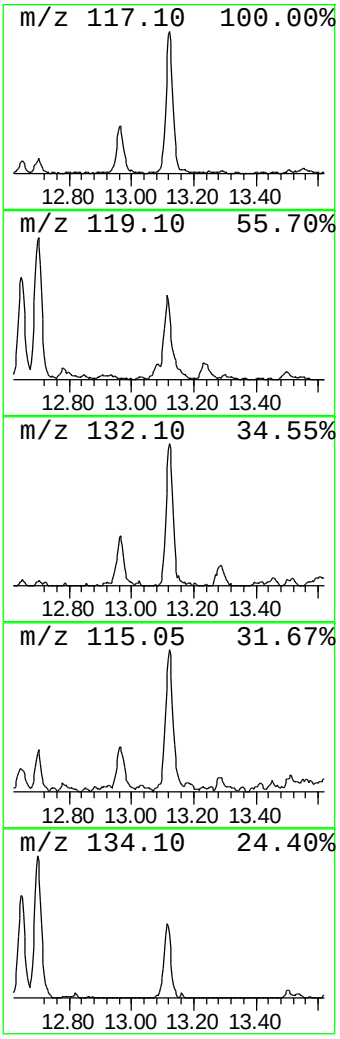
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	1.05 ug/L	234749	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032368.D
Acq On : 29 May 2019 18:59
Operator : JC/SP
Sample : K3045-08DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C52DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.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...	1.76	1.4	ug/L	263662	1	5.88	934431	5.0
(DEL) Alkane: Str...	2.99	0.6	ug/L	101951	1	5.88	934431	5.0
Benzene, 1-ethyl-...	10.70	0.6	ug/L	132902	3	11.48	1115130	5.0
Benzene, 1-ethyl-...	10.97	0.8	ug/L	187389	3	11.48	1115130	5.0
Indane	11.76	1.9	ug/L	415688	3	11.48	1115130	5.0
Benzene, 1-methyl...	12.25	0.6	ug/L	122085	3	11.48	1115130	5.0
Benzene, 1-etheny...	12.35	0.6	ug/L	123482	3	11.48	1115130	5.0
Benzene, 1,2,4,5-...	12.70	0.5	ug/L	117670	3	11.48	1115130	5.0
Benzene, 2-etheny...	13.12	1.1	ug/L	234749	3	11.48	1115130	5.0