LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.984	570	589	609	rBV2	68334	152547	1.63%	0.284%
2	4.862	1156	1173	1191	rBV	268521	626480	6.71%	1.165%
3	4.962	1191	1204	1225	rVB	352337	792701	8.49%	1.474%
4	5.289	1293	1306	1318	rBV2	277819	578043	6.19%	1.075%
5	5.370	1318	1331	1351	rVB	526245	1118461	11.97%	2.079%
6	5.865	1472	1485	1508	rBV	469209	954768	10.22%	1.775%
7	6.396	1633	1650	1669	rBV2	61389	135906	1.45%	0.253%
8	7.547	1985	2008	2025	rBV	1042033	1895690	20.29%	3.524%
9	9.071	2469	2482	2503	rBV	696220	1190932	12.75%	2.214%
10	9.231	2522	2532	2544	rBV	69024	113196	1.21%	0.210%
11	9.357	2555	2571	2588	rBV	795195	1314544	14.07%	2.444%
12	9.762	2690	2697	2717	rVB	52284	101884	1.09%	0.189%
13	10.145	2805	2816	2828	rBV	330168	518775	5.55%	0.964%
14	10.286	2848	2860	2874	rBV	801255	1306642	13.99%	2.429%
15	10.566	2936	2947	2968	rBV	480439	813216	8.71%	1.512%
16	10.685	2971	2984	2995	rVV	820858	1251782	13.40%	2.327%
17	10.749	2996	3004	3024	rVB	266642	432599	4.63%	0.804%
18	10.948	3053	3066	3088	rBV	2118093	3295890	35.28%	6.127%
19	11.077	3091	3106	3110	rVV	79518	126581	1.36%	0.235%
20	11.125	3110	3121	3148	rVB	6072817	9340861	100.00%	17.364%
21	11.270	3151	3166	3170	rBV	68881	123369	1.32%	0.229%
22	11.302	3170	3176	3191	rVB	136582	217866	2.33%	0.405%
23	11.405	3192	3208	3215	rBV	67361	113395	1.21%	0.211%
24	11.460	3215	3225	3240	rVV2	1135095	1814123	19.42%	3.372%
25	11.550	3241	3253	3278	rVB	2809612	4331340	46.37%	8.052%
26	11.665	3278	3289	3301	rVB	111106	176985	1.89%	0.329%
27	11.746	3301	3314	3334	rBV3	887143	1821025	19.50%	3.385%
28	11.845	3334	3345	3368	rVB6	368180	862029	9.23%	1.602%
29	11.958	3370	3380	3391	rBV	154775	246834	2.64%	0.459%
30	12.032	3393	3403	3418	rVB	424137	660596	7.07%	1.228%
31	12.125	3421	3432	3436	rBV	484890	730738	7.82%	1.358%
32	12.154	3436	3441	3452	rVV	595410	857186	9.18%	1.593%
33	12.231	3455	3465	3471	rVV	610474	925851	9.91%	1.721%
34	12.263	3472	3475	3486	rVB2	196888	258446	2.77%	0.480%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Title : SW846 8260

35	12.334	3486	3497	3519	rBV4	386152	1094772	11.72%	2.035%
36	12.472	3529	3540	3547	rBV4	96048	168506	1.80%	0.313%
37	12.530	3547	3558	3570	rVB3	432662	759160	8.13%	1.411%
38	12.630	3570	3589	3597	rBV	527663	896827	9.60%	1.667%
39	12.681	3597	3605	3621	rVB	754999	1161665	12.44%	2.159%
40	12.768	3622	3632	3640	rBV3	118240	199194	2.13%	0.370%
41	12.945	3680	3687	3701	rVB	170162	255880	2.74%	0.476%
42	13.064	3714	3724	3725	rBV3	86477	103838	1.11%	0.193%
43	13.099	3726	3735	3751	rVB2	1235658	1987587	21.28%	3.695%
44	13.267	3778	3787	3811	rVB	344102	632008	6.77%	1.175%
45	13.386	3815	3824	3832	rBV4	60237	105924	1.13%	0.197%
46	13.488	3846	3856	3863	rBV3	196555	335660	3.59%	0.624%
47	13.591	3883	3888	3909	rVB3	132846	339390	3.63%	0.631%
48	13.720	3911	3928	3939	rBV	1789344	2938773	31.46%	5.463%
49	13.939	3987	3996	4006	rBV4	64432	144230	1.54%	0.268%
50	14.318	4103	4114	4115	rBV3	111757	149591	1.60%	0.278%
51	14.521	4169	4177	4190	rVB5	52141	100188	1.07%	0.186%
52	14.659	4209	4220	4236	rBV3	100136	204345	2.19%	0.380%
53	14.855	4270	4281	4294	rBV	666763	1111352	11.90%	2.066%
54	15.041	4328	4339	4355	rBV	1024452	1687633	18.07%	3.137%
55	15.897	4597	4605	4632	rVB	43197	97725	1.05%	0.182%
56	16.041	4641	4650	4657	rBV	72260	119119	1.28%	0.221%

Sum of corrected areas: 53794648

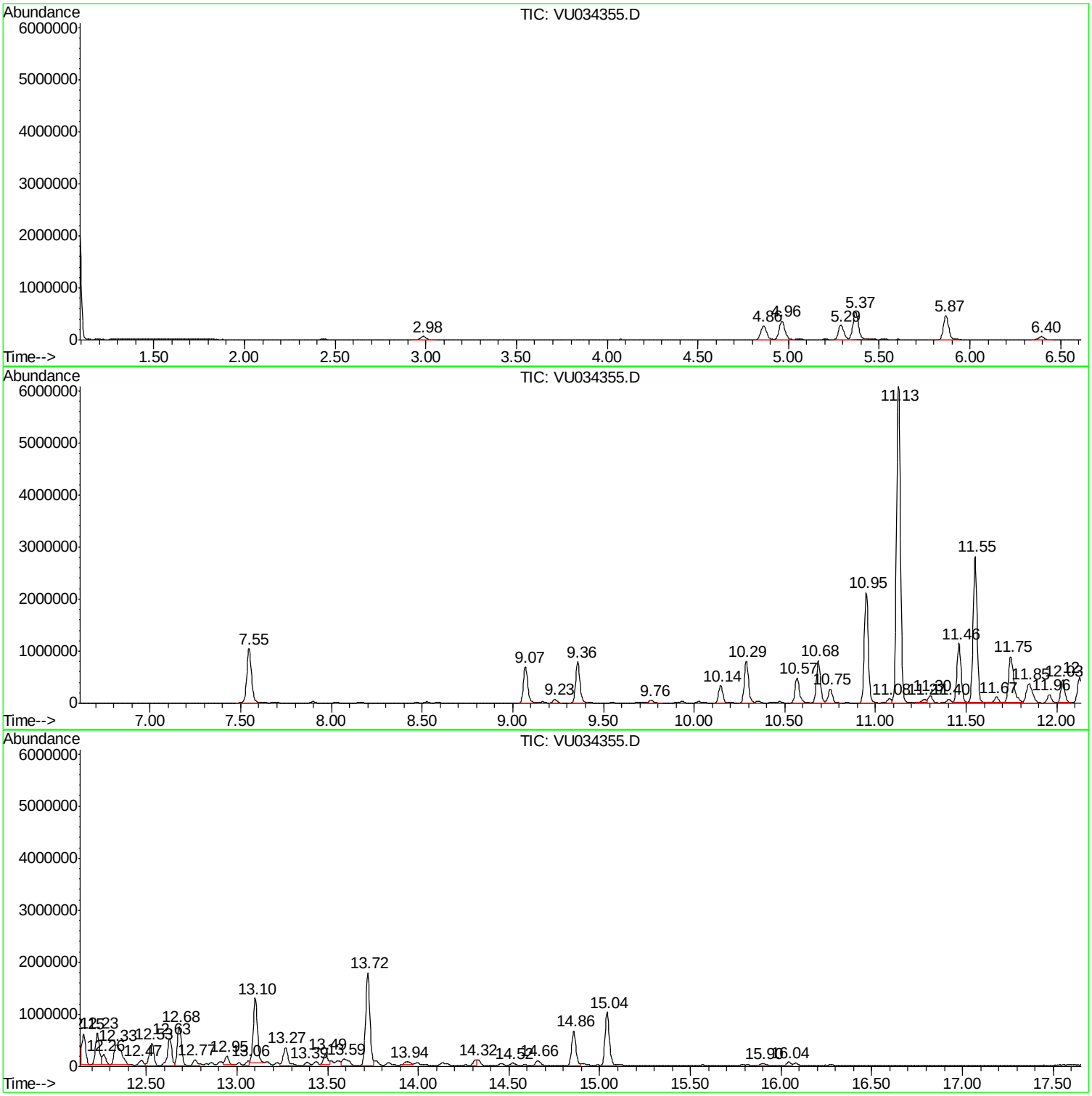
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

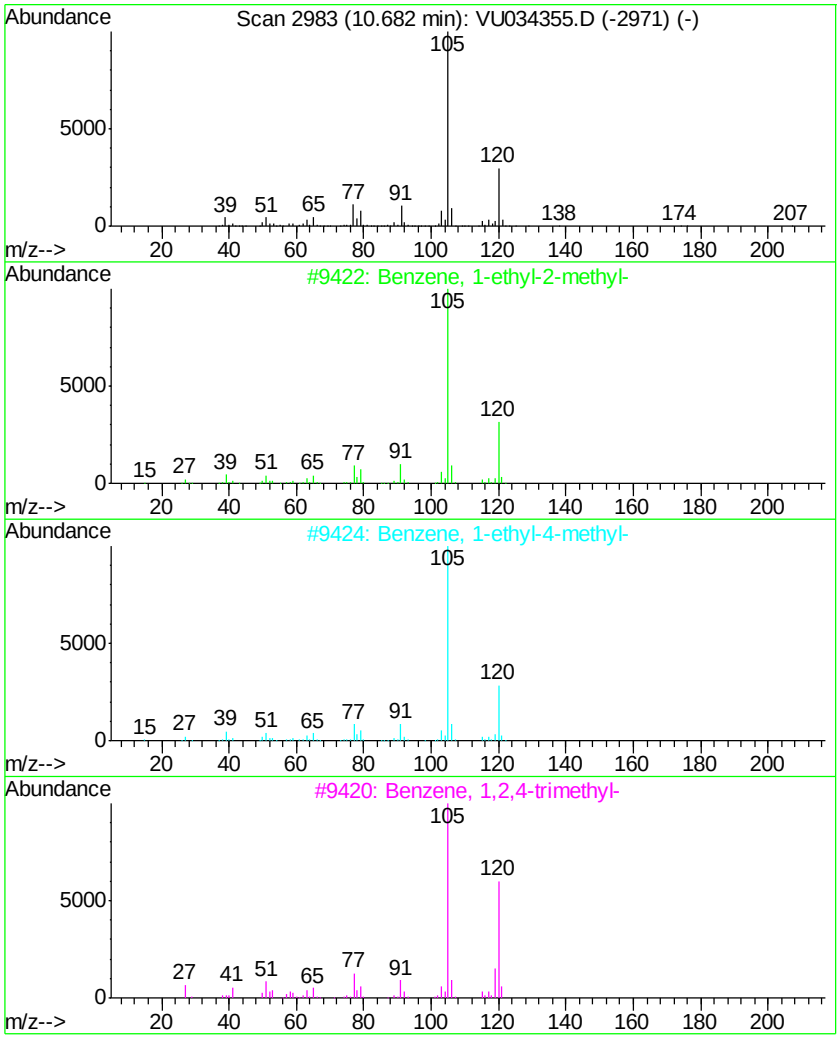
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

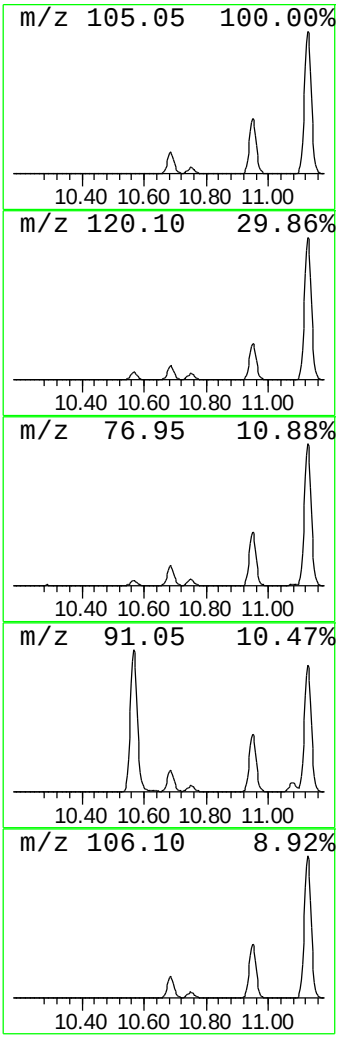
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	34.50 ug/l	1251780	1,4-Dichlorobenzene-d4	11.46

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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

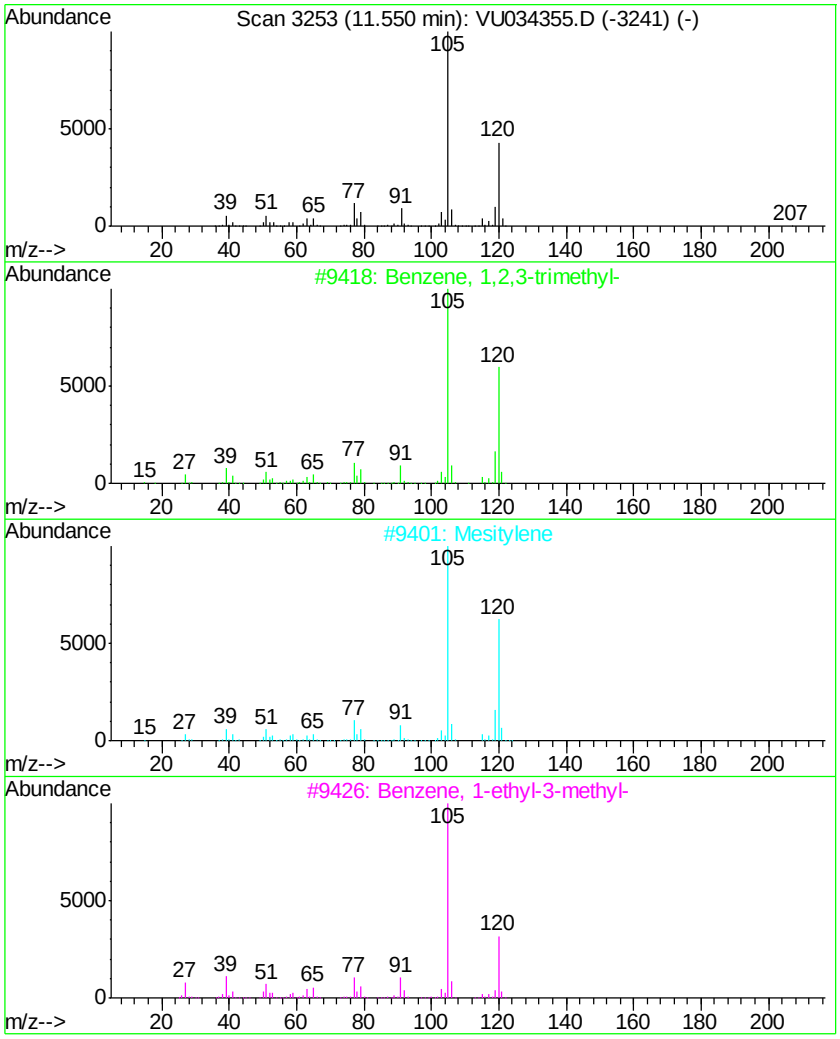
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

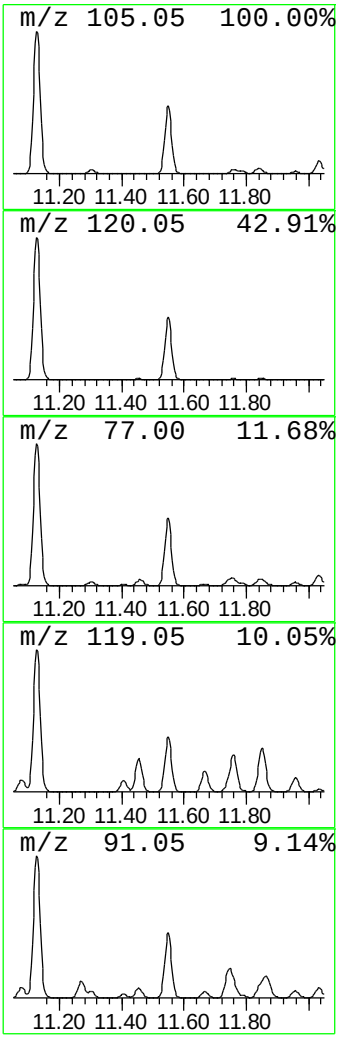
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	119.38 ug/l	4331340	1,4-Dichlorobenzene-d4	11.46

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-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

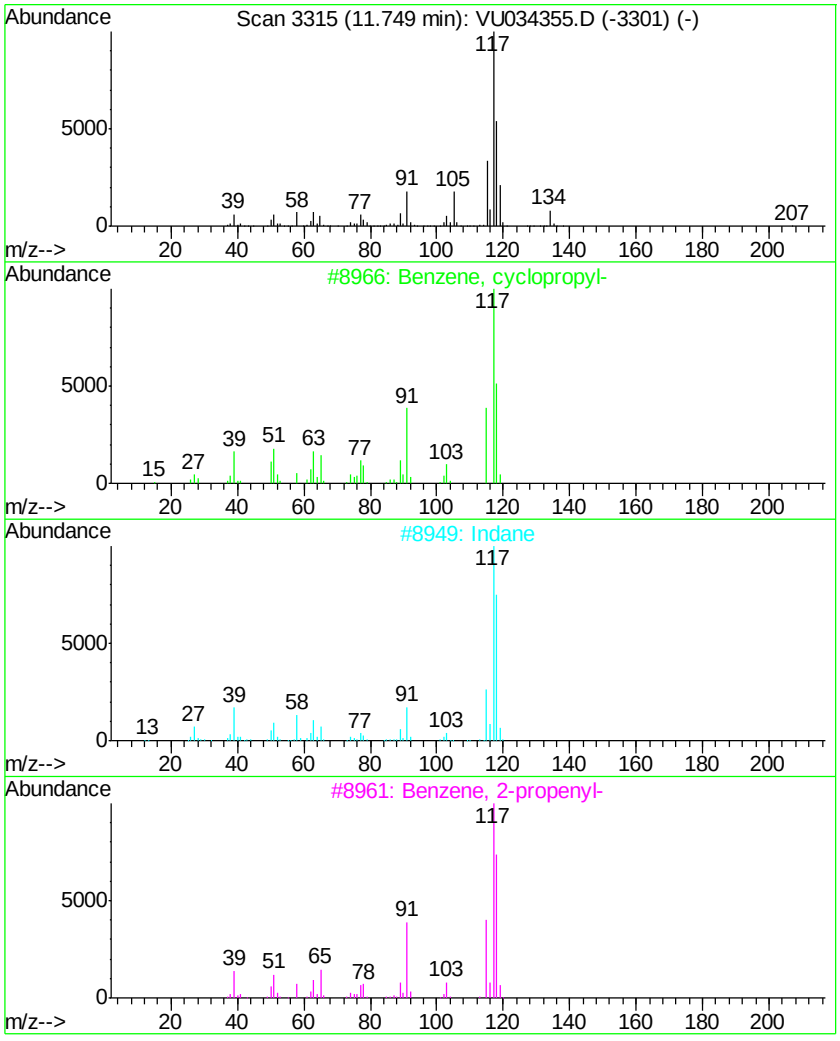
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

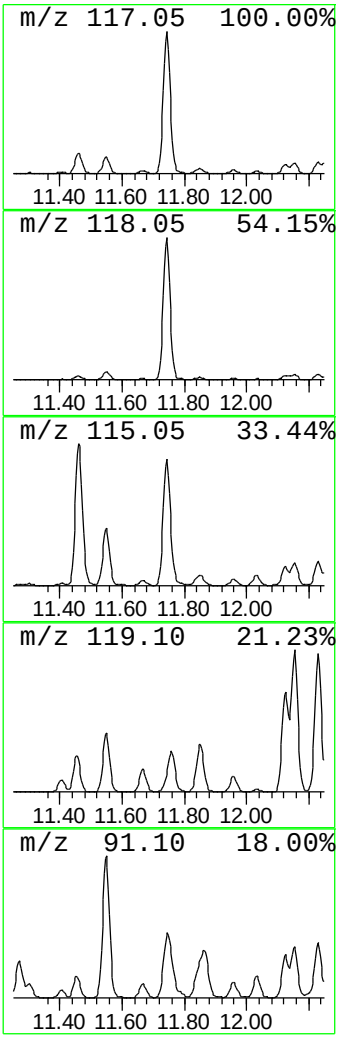
****

Peak Number 4 Benzene, cyclopropyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	50.19 ug/l	1821030	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	68
4	Deltacyclene	118	C9H10	007785-10-6	58
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

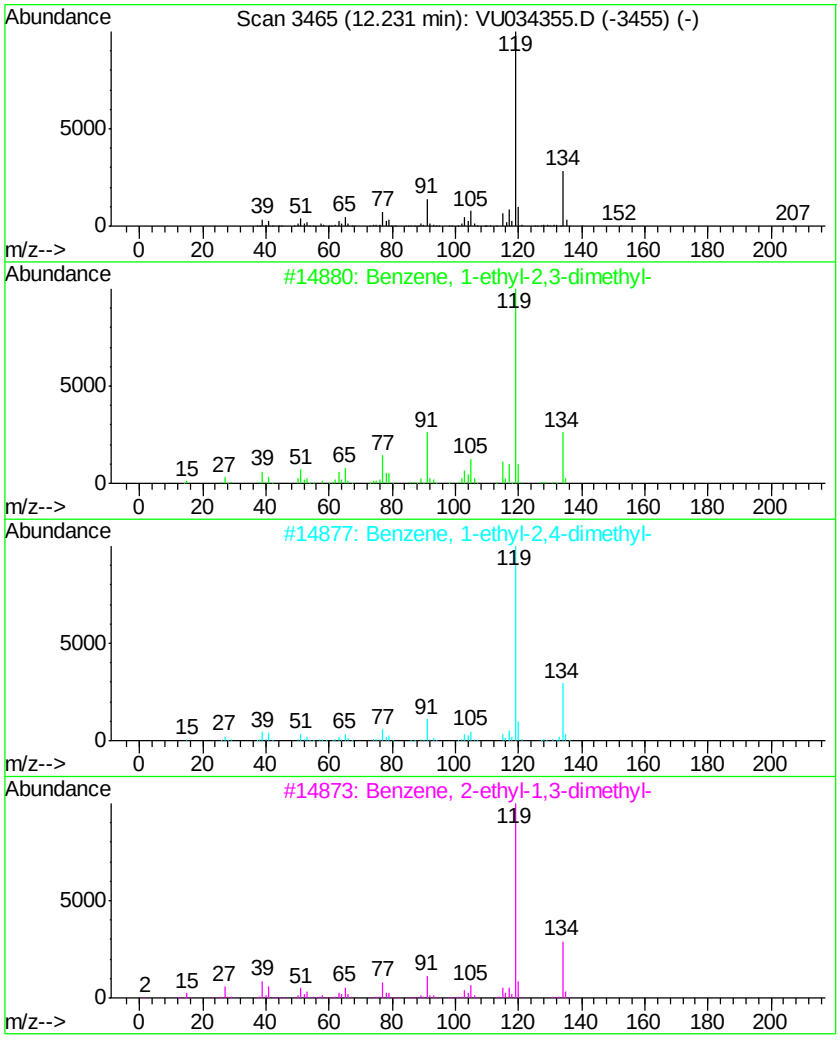
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

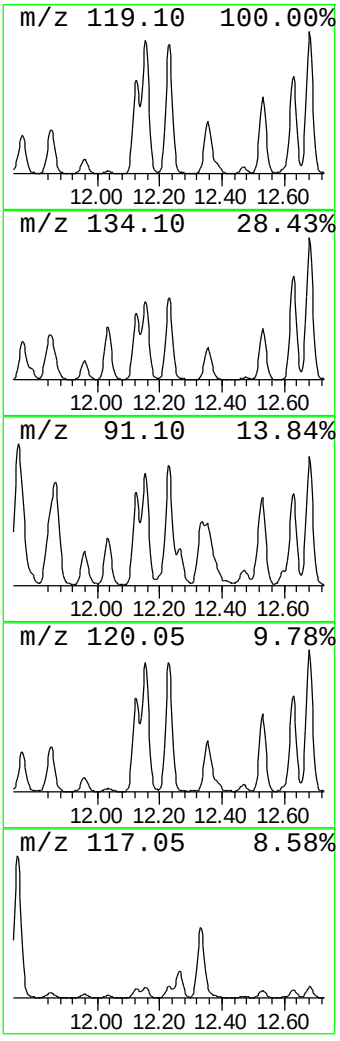
****

Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	25.52 ug/l	925851	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
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, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

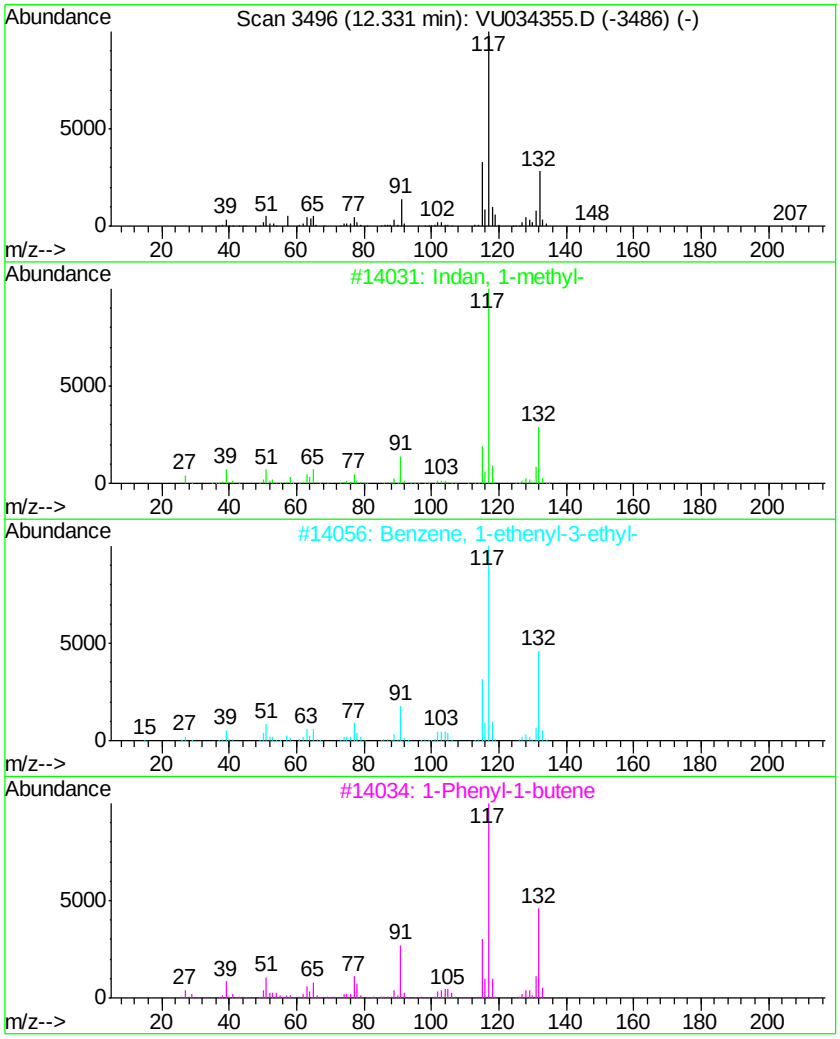
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

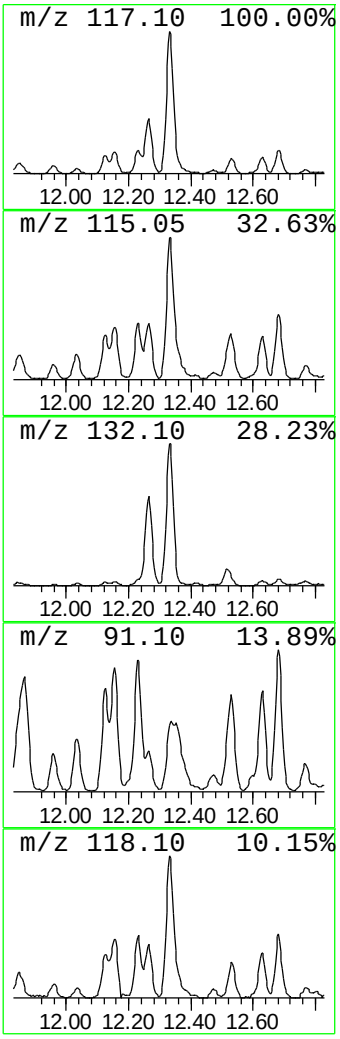
****

Peak Number 6 Indan, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	30.17 ug/l	1094770	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
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Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

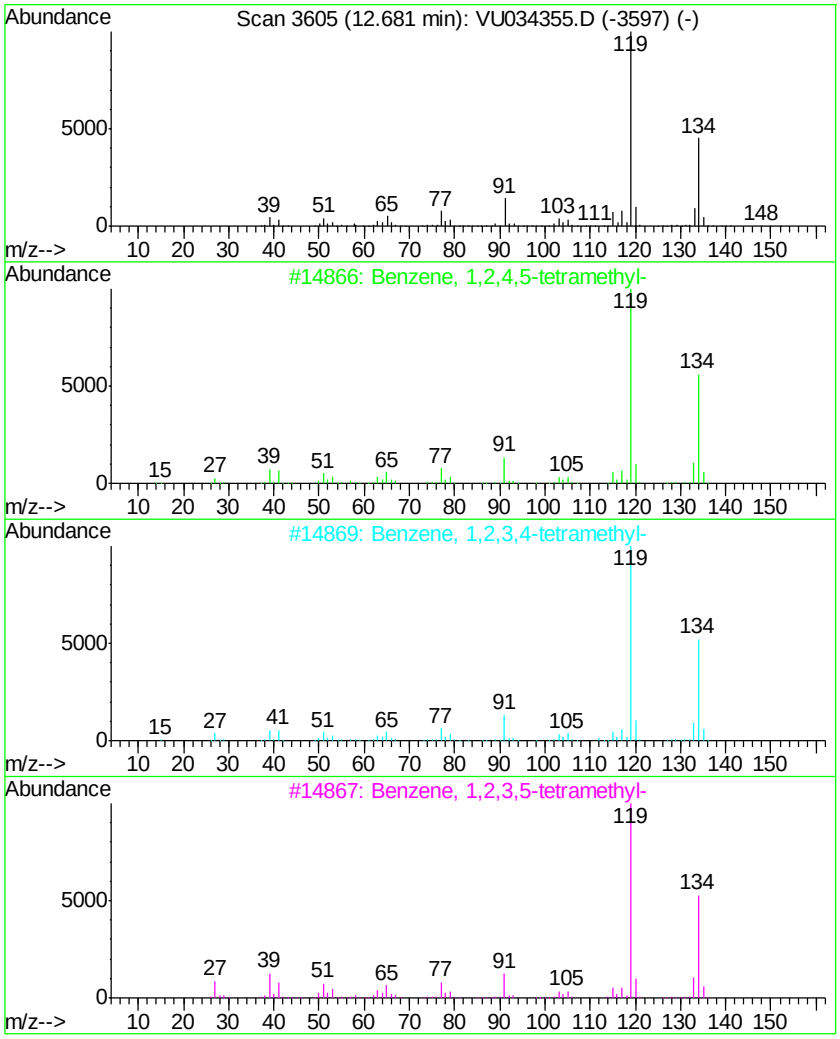
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

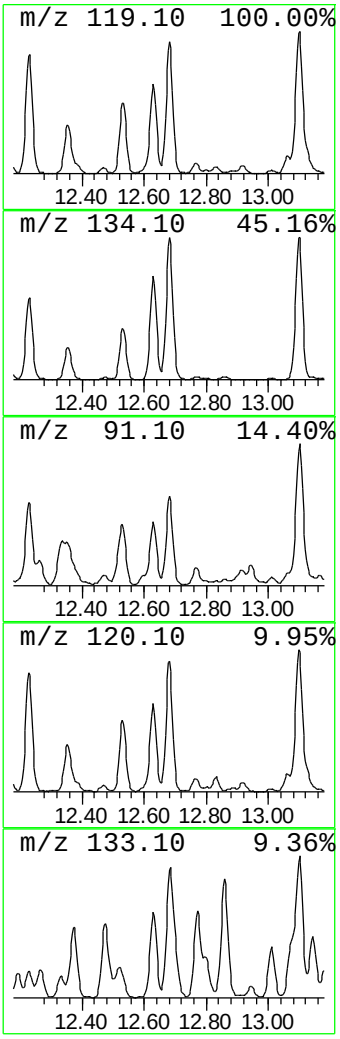
****

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	32.02 ug/l	1161670	1,4-Dichlorobenzene-d4	11.46

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	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

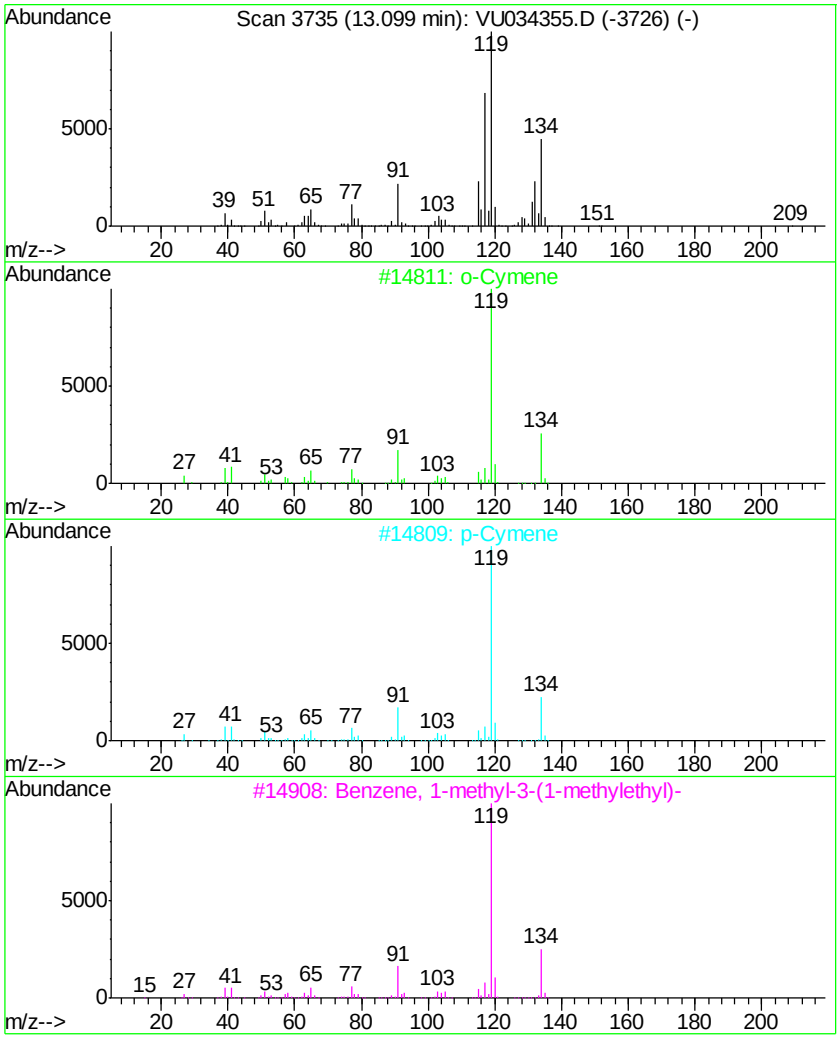
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

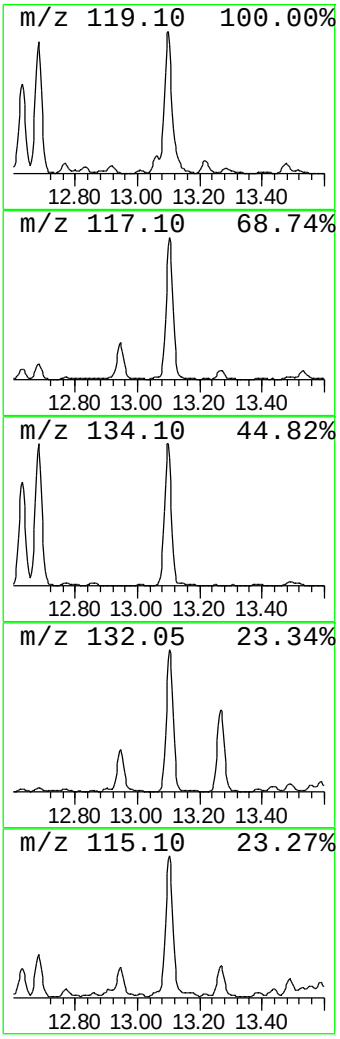
****

Peak Number 8 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	54.78 ug/l	1987590	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	60
2	p-Cymene	134	C10H14	000099-87-6	60
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

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

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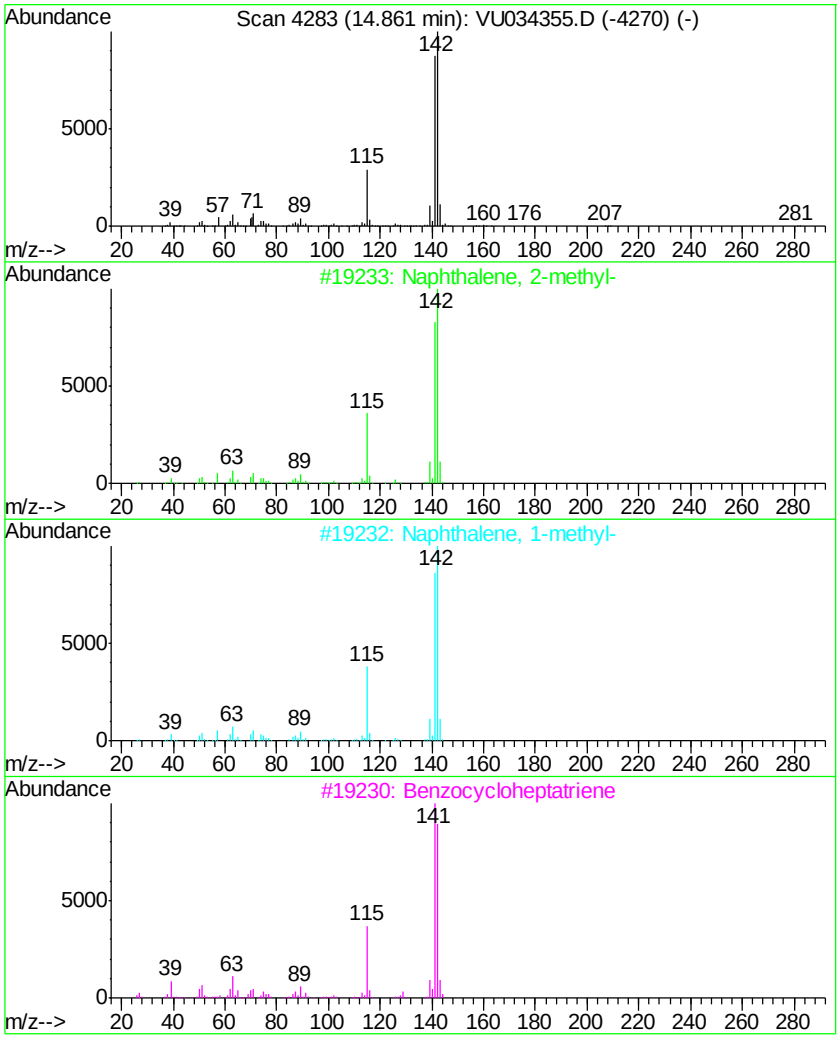
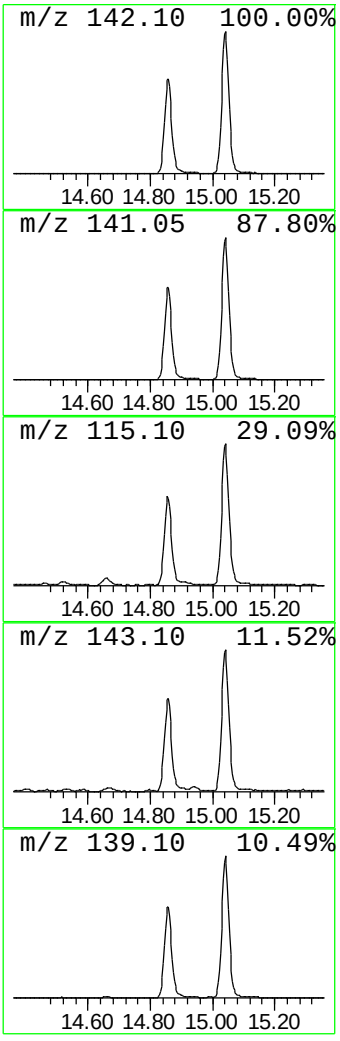
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	30.63 ug/l	1111350	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
Data File : VU034355.D
Acq On : 07 Sep 2019 01:27
Operator : JC/SP
Sample : K4725-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : S13-0274

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	10.68	34.5	ug/l	1251780	4	11.46	1814120	50.0
Benzene, 1,2,3-tr...	11.55	119.4	ug/l	4331340	4	11.46	1814120	50.0
Benzene, cyclopro...	11.75	50.2	ug/l	1821030	4	11.46	1814120	50.0
Benzene, 1-ethyl-...	12.23	25.5	ug/l	925851	4	11.46	1814120	50.0
Indan, 1-methyl-	12.33	30.2	ug/l	1094770	4	11.46	1814120	50.0
Benzene, 1,2,4,5-...	12.68	32.0	ug/l	1161670	4	11.46	1814120	50.0
o-Cymene	13.10	54.8	ug/l	1987590	4	11.46	1814120	50.0
Naphthalene, 1-me...	14.86	30.6	ug/l	1111350	4	11.46	1814120	50.0