LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027431.D
Acq On : 05 Oct 2018 00:17
Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

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\82U100118W.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	4.887	1135	1155	1172	rBV	109178	250237	1.43%	0.426%
2	4.987	1172	1186	1208	rVV	148659	332137	1.90%	0.565%
3	5.311	1270	1287	1308	rBV	135010	290587	1.66%	0.494%
4	5.890	1452	1467	1504	rBV	234455	478418	2.73%	0.814%
5	7.569	1966	1989	2021	rBV	466988	920312	5.25%	1.566%
6	9.093	2451	2463	2480	rBV	351188	595013	3.40%	1.012%
7	9.379	2527	2552	2567	rBV2	431808	993799	5.67%	1.691%
8	9.723	2644	2659	2677	rBV4	142024	428049	2.44%	0.728%
9	9.954	2710	2731	2743	rBV3	289252	605037	3.45%	1.029%
10	10.044	2749	2759	2769	rBV4	247239	463127	2.64%	0.788%
11	10.166	2788	2797	2806	rBV	125565	193761	1.11%	0.330%
12	10.308	2832	2841	2853	rVB	363710	596937	3.41%	1.016%
13	10.379	2853	2863	2872	rBV	117095	184033	1.05%	0.313%
14	10.494	2890	2899	2917	rVB4	204224	357669	2.04%	0.609%
15	10.588	2918	2928	2936	rBV	163683	260157	1.48%	0.443%
16	10.707	2951	2965	2975	rBV	1844624	2883479	16.45%	4.906%
17	10.774	2975	2986	3007	rVB	947706	1658671	9.46%	2.822%
18	10.980	3040	3050	3069	rVB4	127865	299578	1.71%	0.510%
19	11.105	3073	3089	3093	rVV3	226696	414799	2.37%	0.706%
20	11.154	3093	3104	3129	rVB	11401744	17524680	100.00%	29.819%
21	11.292	3131	3147	3151	rBV2	130196	258791	1.48%	0.440%
22	11.324	3151	3157	3171	rVB	231982	403766	2.30%	0.687%
23	11.478	3195	3205	3218	rVB3	931654	1482214	8.46%	2.522%
24	11.572	3224	3234	3245	rVB	650546	940753	5.37%	1.601%
25	11.691	3259	3271	3282	rVB	323045	533351	3.04%	0.908%
26	11.771	3283	3296	3314	rVV3	1793724	3620689	20.66%	6.161%
27	11.864	3314	3325	3344	rVB3	754431	1471057	8.39%	2.503%
28	11.983	3350	3362	3380	rBV	429010	703226	4.01%	1.197%
29	12.147	3401	3413	3418	rBV	1076114	1702832	9.72%	2.897%
30	12.176	3418	3422	3433	rVV	1187972	1653157	9.43%	2.813%
31	12.253	3434	3446	3453	rVV	2074648	3189129	18.20%	5.426%
32	12.289	3453	3457	3467	rVB	523661	693527	3.96%	1.180%
33	12.356	3467	3478	3498	rBV3	1235311	2862338	16.33%	4.870%
34	12.543	3528	3536	3547	rVB3	292590	529630	3.02%	0.901%

LSC Area Percent Report

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Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

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\82U100118W.M
Title : SW846 8260

35	12.652	3552	3570	3578	rVV	998011	1659972	9.47%	2.825%
36	12.703	3578	3586	3601	rVB	1383792	2097327	11.97%	3.569%
37	12.790	3602	3613	3630	rVB2	191464	308321	1.76%	0.525%
38	12.880	3632	3641	3647	rBV	114760	181033	1.03%	0.308%
39	12.928	3648	3656	3661	rVV3	118875	203941	1.16%	0.347%
40	12.964	3661	3667	3675	rVB	206634	291470	1.66%	0.496%
41	13.121	3696	3716	3731	rBV2	2167658	3721601	21.24%	6.332%
42	13.289	3760	3768	3779	rVB2	166363	261355	1.49%	0.445%
43	13.510	3829	3837	3851	rVV5	156506	270108	1.54%	0.460%

Sum of corrected areas: 58770068

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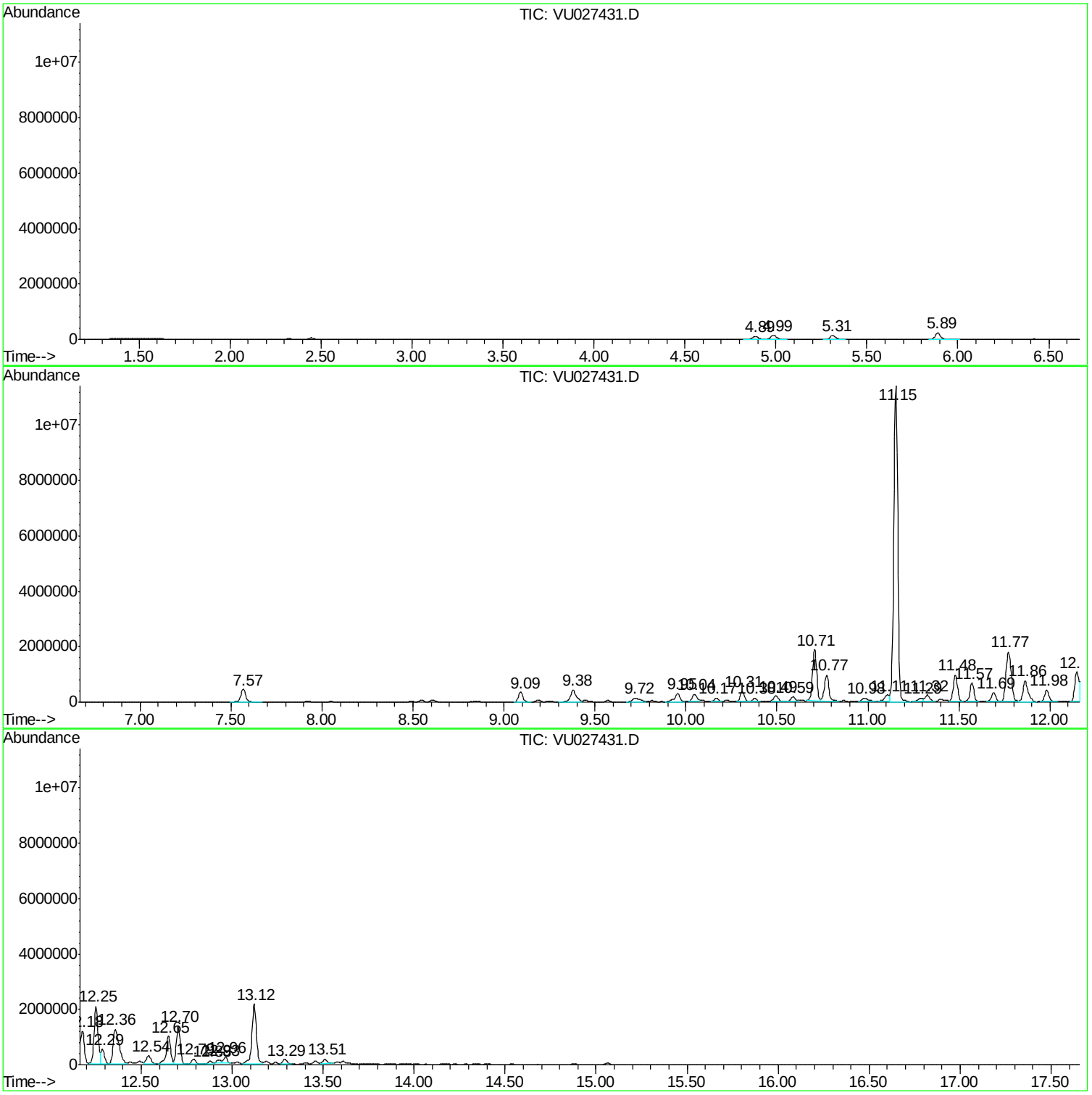
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-D-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.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\VU100418\
Data File : VU027431.D
Acq On : 05 Oct 2018 00:17
Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

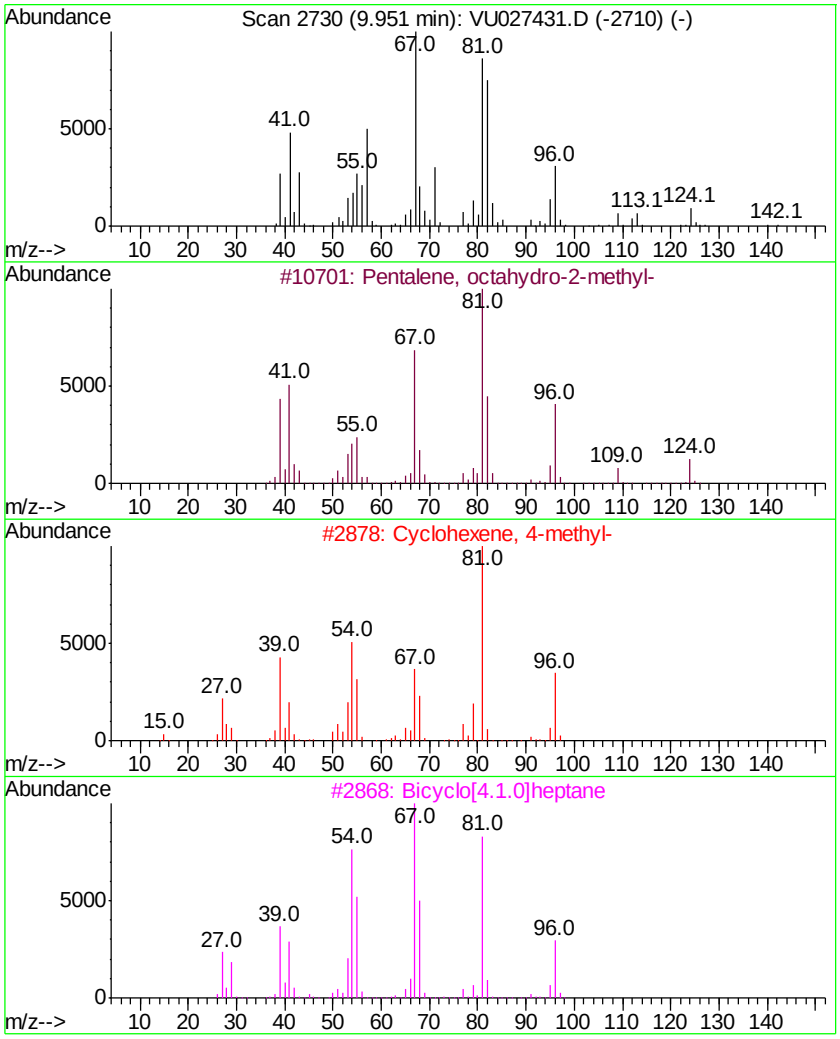
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

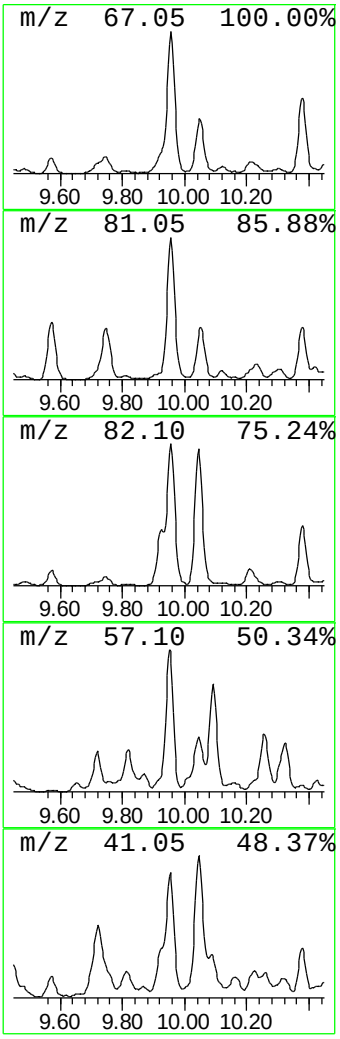
****

Peak Number 1 Pentalene, octahydro-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	50.84 ug/l	605037	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	55
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
3	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	46
4	3,4-Nonadiene	124	C9H16	037050-03-6	43
5	Bicyclo[3.1.0]hexane	82	C6H10	000285-58-5	38





Library Search Compound Report

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Data File : VU027431.D
Acq On : 05 Oct 2018 00:17
Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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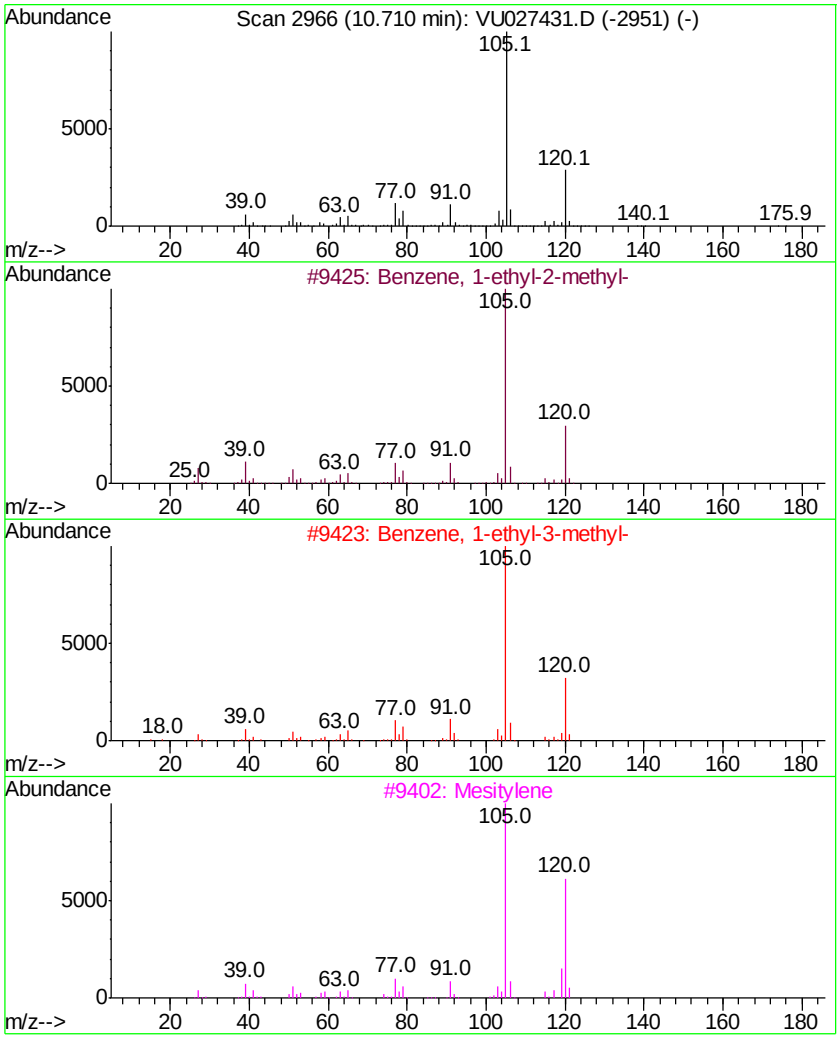
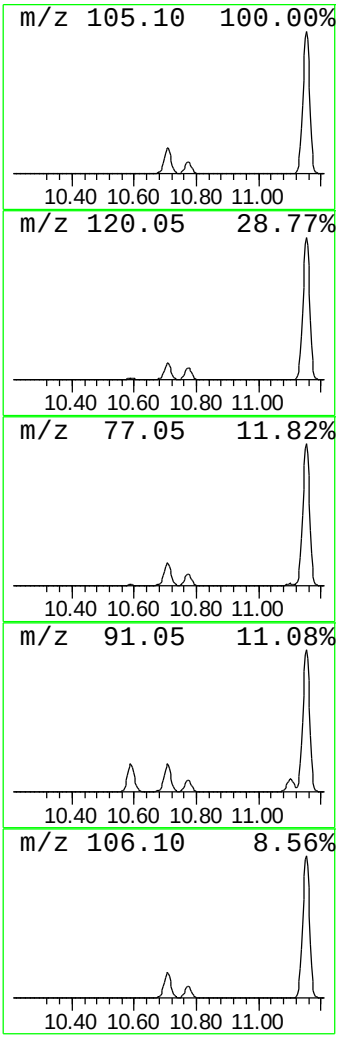
Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	97.27 ug/l	2883480	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-3-methyl-	120	C9H12	000620-14-4	91
3	Mesitylene	120	C9H12	000108-67-8	91
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_U\DATA\VU100418\
Data File : VU027431.D
Acq On : 05 Oct 2018 00:17
Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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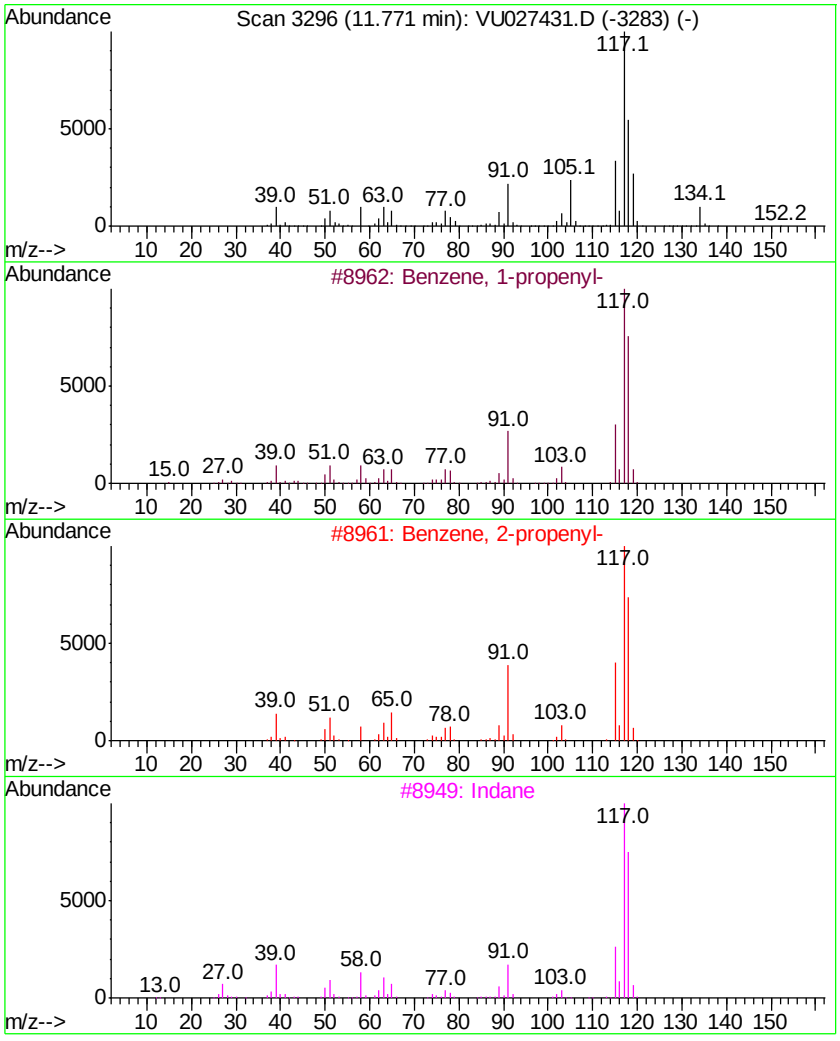
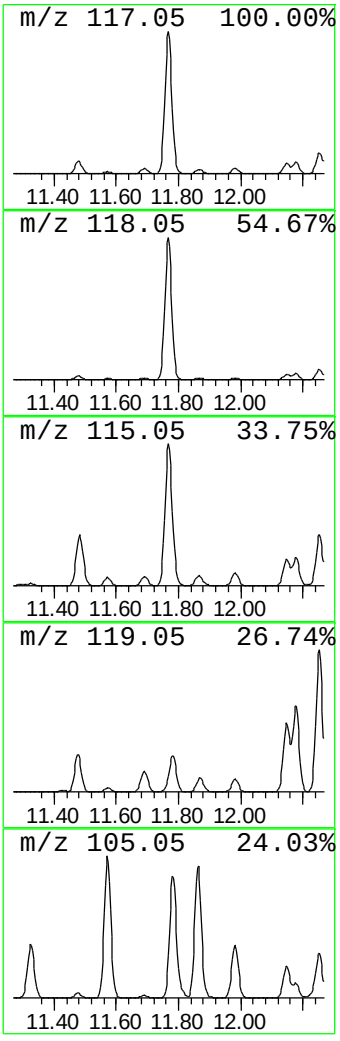
Peak Number 3 Benzene, 1-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	122.14 ug/l	3620690	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
3	Indane	118	C9H10	000496-11-7	70
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027431.D
Acq On : 05 Oct 2018 00:17
Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

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

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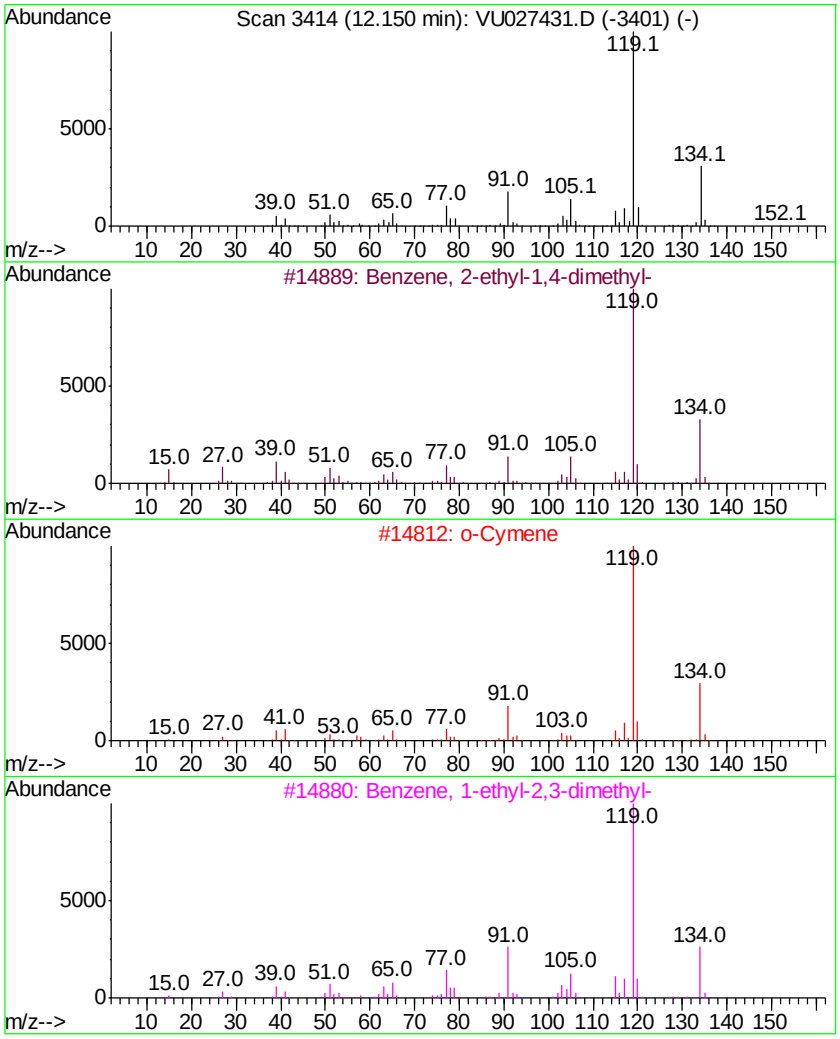
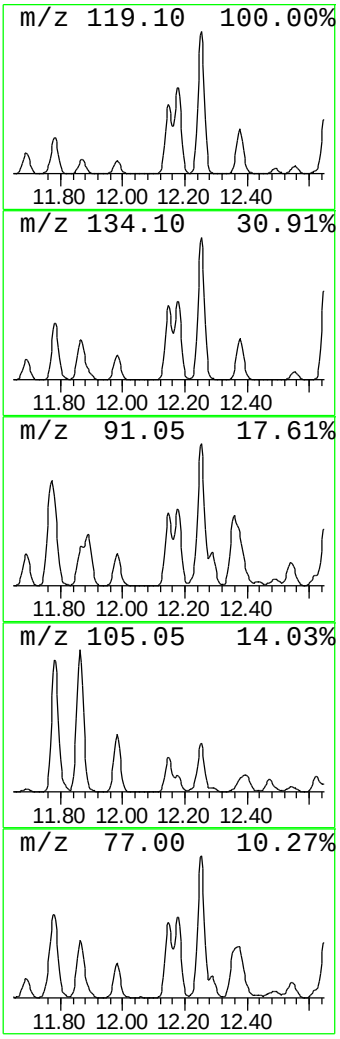
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	57.44 ug/l	1702830	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

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Data File : VU027431.D
Acq On : 05 Oct 2018 00:17
Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

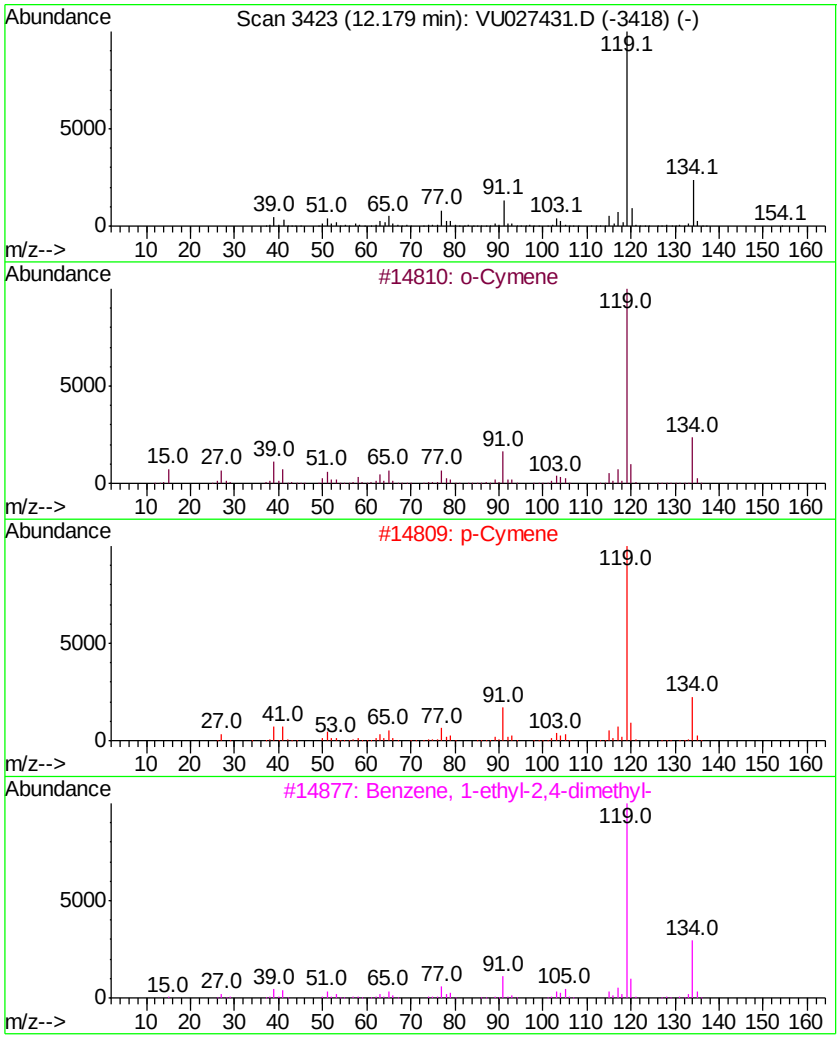
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

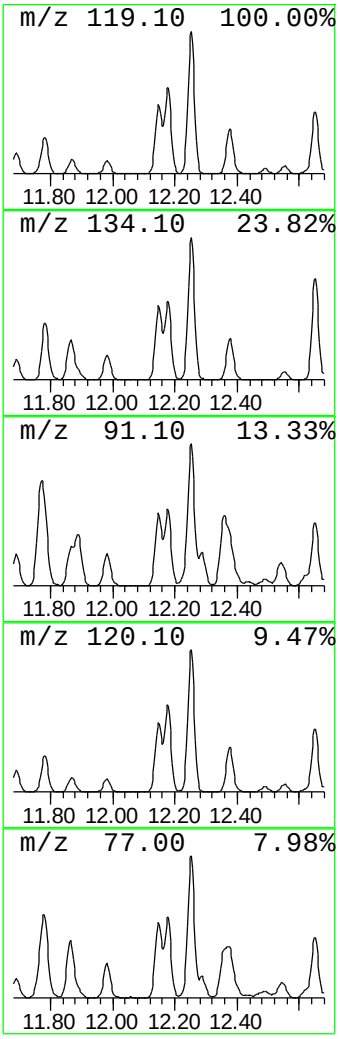
****

Peak Number 5 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	55.77 ug/l	1653160	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Library Search Compound Report

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Operator : MD/SY
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ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

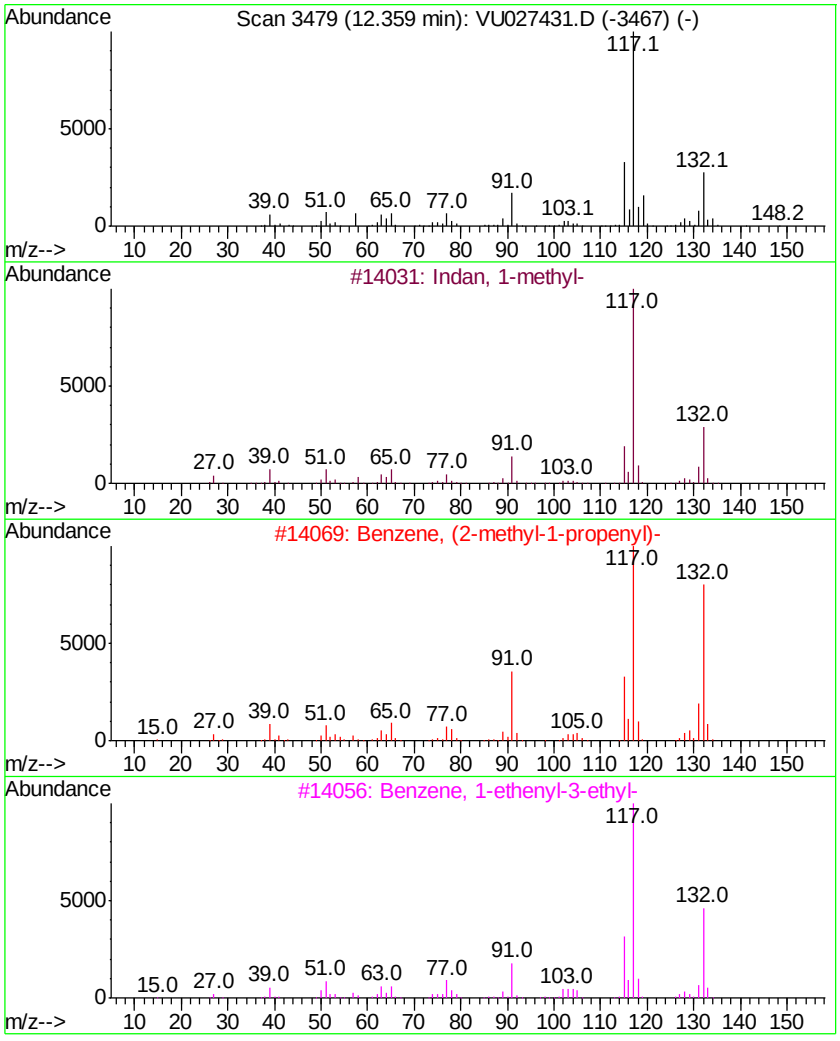
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

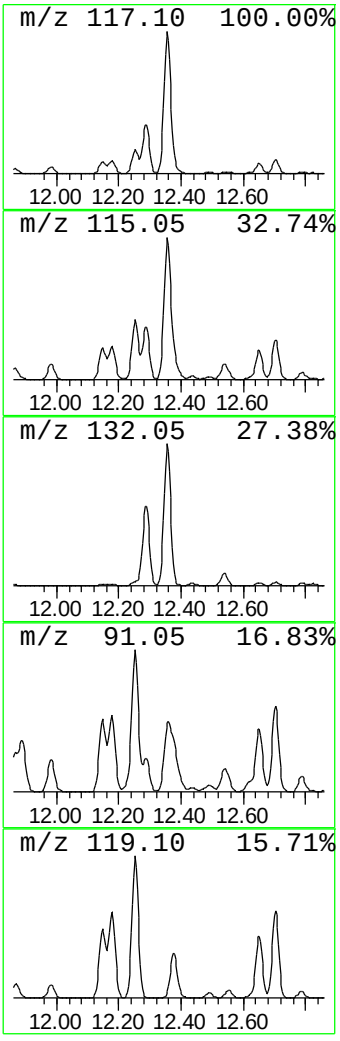
****

Peak Number 7 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	96.56 ug/l	2862340	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





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Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

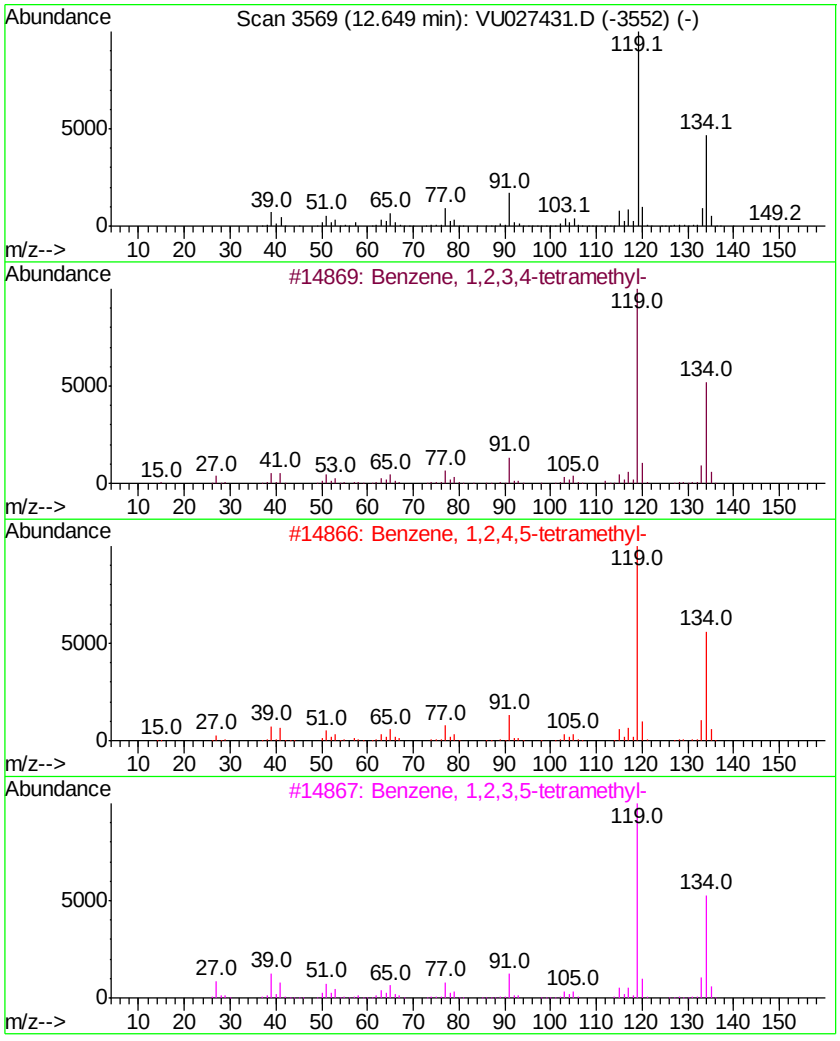
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

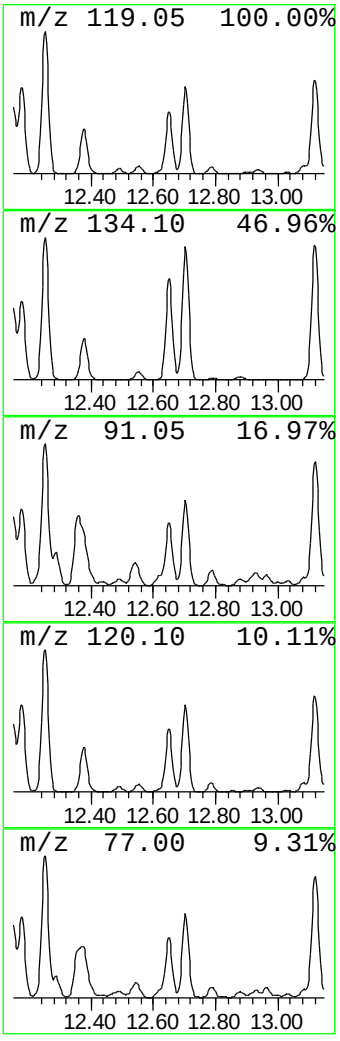
****

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	56.00 ug/l	1659970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027431.D
Acq On : 05 Oct 2018 00:17
Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

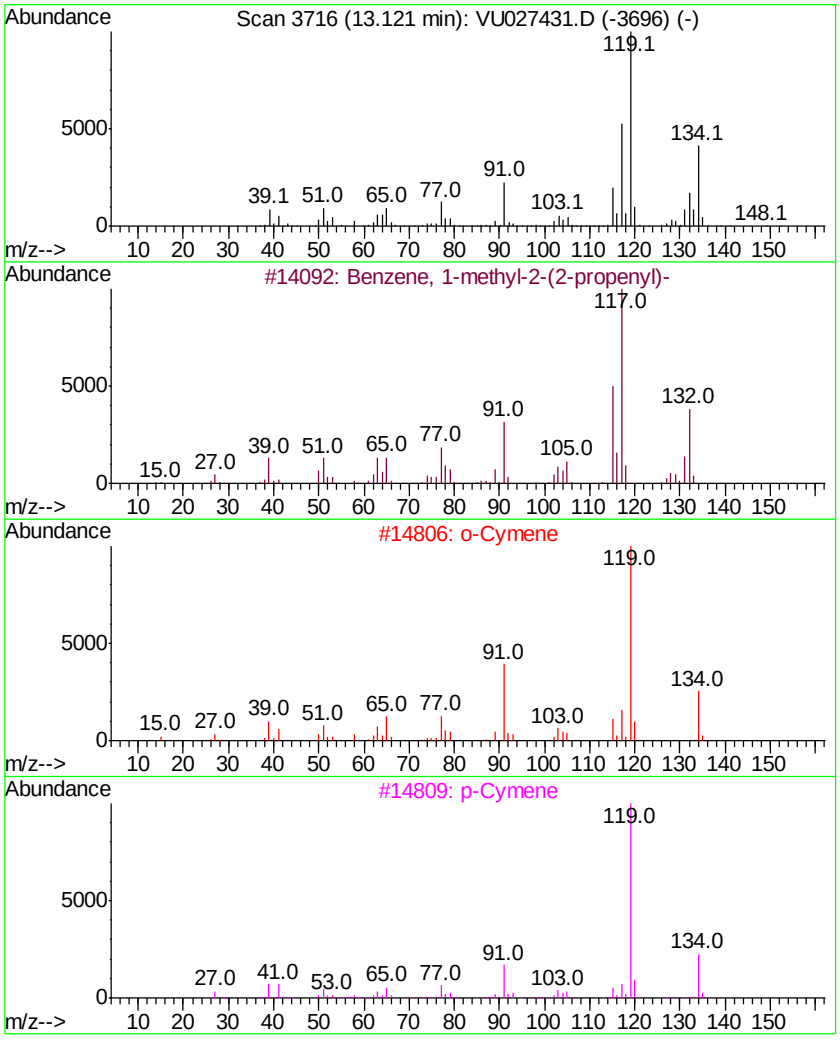
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260

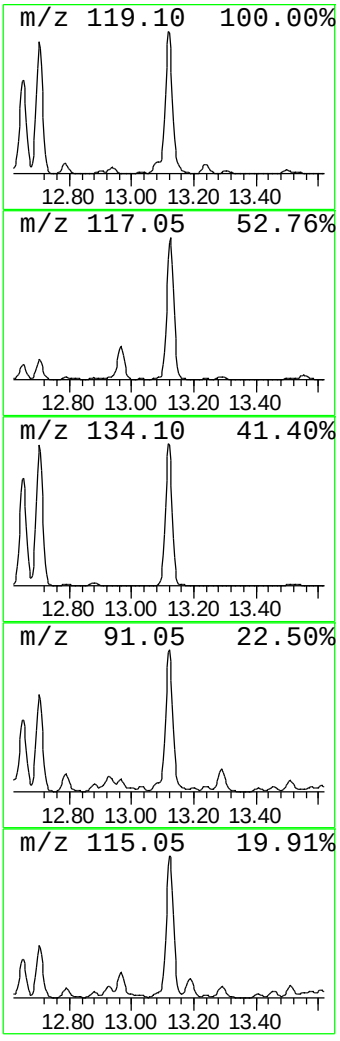
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	125.54 ug/l	3721600	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	o-Cymene	134	C10H14	000527-84-4	70
3	p-Cymene	134	C10H14	000099-87-6	64
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027431.D
Acq On : 05 Oct 2018 00:17
Operator : MD/SY
Sample : J5165-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : EP1-MW-D-092718

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.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
Pentalene, octahy...	9.95	50.8	ug/l	605037	3	9.09	595013	50.0
Benzene, 1-ethyl-...	10.71	97.3	ug/l	2883480	4	11.48	1482210	50.0
Benzene, 1-propenyl-	11.77	122.1	ug/l	3620690	4	11.48	1482210	50.0
Benzene, 2-ethyl-...	12.15	57.4	ug/l	1702830	4	11.48	1482210	50.0
o-Cymene	12.18	55.8	ug/l	1653160	4	11.48	1482210	50.0
Indan, 1-methyl-	12.36	96.6	ug/l	2862340	4	11.48	1482210	50.0
Benzene, 1,2,3,4-...	12.65	56.0	ug/l	1659970	4	11.48	1482210	50.0
Benzene, 1-methyl...	13.12	125.5	ug/l	3721600	4	11.48	1482210	50.0