LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

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_N\METHODS\82N010519W.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	1.815	3	13	29	rVB	717752	951841	8.72%	0.808%
2	2.018	65	76	93	rVB	169157	258684	2.37%	0.220%
3	2.159	110	120	125	rBV	141637	219228	2.01%	0.186%
4	2.314	154	168	201	rBV	6436314	10409544	95.32%	8.839%
5	3.262	447	463	481	rBV	142573	332117	3.04%	0.282%
6	3.699	581	599	620	rBV	216047	547386	5.01%	0.465%
7	3.815	620	635	654	rVV	68216	175865	1.61%	0.149%
8	5.953	1270	1300	1348	rBV3	957475	3493460	31.99%	2.966%
9	7.590	1785	1809	1820	rBV	593867	1488326	13.63%	1.264%
10	7.664	1820	1832	1856	rVB	1168216	2780599	25.46%	2.361%
11	8.034	1926	1947	1976	rBV3	1041541	2751567	25.20%	2.336%
12	8.587	2101	2119	2153	rBV2	2107936	4435054	40.61%	3.766%
13	8.838	2173	2197	2210	rBV2	200460	426853	3.91%	0.362%
14	10.091	2570	2587	2597	rBV	2766278	5024241	46.01%	4.266%
15	10.156	2597	2607	2631	rVB	2236645	4023569	36.84%	3.416%
16	10.815	2797	2812	2822	rBV2	144529	361898	3.31%	0.307%
17	10.879	2825	2832	2847	rVB2	85769	169433	1.55%	0.144%
18	11.407	2980	2996	3016	rBV	2462518	4264394	39.05%	3.621%
19	11.509	3016	3028	3046	rVB	737292	1234118	11.30%	1.048%
20	11.616	3047	3061	3086	rBV	3230312	6006557	55.00%	5.100%
21	11.947	3145	3164	3185	rBV	1994401	3343622	30.62%	2.839%
22	12.249	3247	3258	3270	rBV	218784	349112	3.20%	0.296%
23	12.400	3290	3305	3326	rBV	2076357	3436674	31.47%	2.918%
24	12.590	3351	3364	3373	rBV	801243	1263034	11.57%	1.072%
25	12.654	3373	3384	3391	rBV	3679236	5993955	54.89%	5.090%
26	12.734	3401	3409	3428	rVB	1964675	3144506	28.79%	2.670%
27	12.892	3445	3458	3473	rBV	1691481	2839431	26.00%	2.411%
28	13.040	3490	3504	3517	rBV	6904643	10920931	100.00%	9.273%
29	13.172	3532	3545	3554	rVV2	109881	241715	2.21%	0.205%
30	13.233	3554	3564	3574	rVV	238043	383376	3.51%	0.326%
31	13.288	3574	3581	3587	rVV	89315	118618	1.09%	0.101%
32	13.342	3587	3598	3603	rVV	2432922	4052996	37.11%	3.441%
33	13.374	3604	3608	3621	rVV	2674708	3724035	34.10%	3.162%
34	13.448	3624	3631	3640	rVB2	118684	179765	1.65%	0.153%

LSC Area Percent Report

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Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Title : SW846 8260

35	13.542	3641	3660	3667	rBV	2035061	3902287	35.73%	3.313%
36	13.583	3667	3673	3691	rVB4	1444485	2737109	25.06%	2.324%
37	13.673	3691	3701	3709	rBV2	181488	271871	2.49%	0.231%
38	13.738	3709	3721	3731	rBV	470059	798385	7.31%	0.678%
39	13.802	3731	3741	3746	rBV	948644	1524653	13.96%	1.295%
40	13.831	3746	3750	3759	rVV	888504	1238749	11.34%	1.052%
41	13.889	3759	3768	3778	rVB	1579719	2395064	21.93%	2.034%
42	13.947	3778	3786	3792	rBV	151804	218946	2.00%	0.186%
43	13.995	3792	3801	3812	rVB	740159	1192220	10.92%	1.012%
44	14.072	3812	3825	3832	rVB7	43824	110621	1.01%	0.094%
45	14.127	3832	3842	3853	rBV	455548	749730	6.87%	0.637%
46	14.210	3858	3868	3873	rVV	917145	1458860	13.36%	1.239%
47	14.249	3873	3880	3889	rVV	1474577	2307528	21.13%	1.959%
48	14.300	3889	3896	3920	rVB3	277799	870519	7.97%	0.739%
49	14.432	3930	3937	3942	rBV2	91616	128614	1.18%	0.109%
50	14.477	3942	3951	3959	rVV	728439	1179023	10.80%	1.001%
51	14.522	3960	3965	3973	rVB2	255753	367747	3.37%	0.312%
52	14.593	3973	3987	3998	rBV3	1414674	2880485	26.38%	2.446%
53	14.651	3998	4005	4016	rVB2	150173	262414	2.40%	0.223%
54	14.741	4023	4033	4044	rBV	411925	653806	5.99%	0.555%
55	14.853	4049	4068	4074	rBV3	300211	687148	6.29%	0.583%
56	14.956	4090	4100	4112	rVB3	256667	531067	4.86%	0.451%
57	15.133	4136	4155	4165	rBV	436699	846683	7.75%	0.719%
58	15.191	4165	4173	4180	rVB	110418	160765	1.47%	0.137%
59	15.246	4181	4190	4191	rBV3	95617	115913	1.06%	0.098%
60	15.419	4232	4244	4258	rBV	102602	204134	1.87%	0.173%
61	15.612	4298	4304	4321	rVB2	177791	328385	3.01%	0.279%
62	15.767	4343	4352	4375	rVB6	45342	123906	1.13%	0.105%
63	15.908	4383	4396	4408	rBV4	73164	176309	1.61%	0.150%

Sum of corrected areas: 117769445

LSC Report - Integrated Chromatogram

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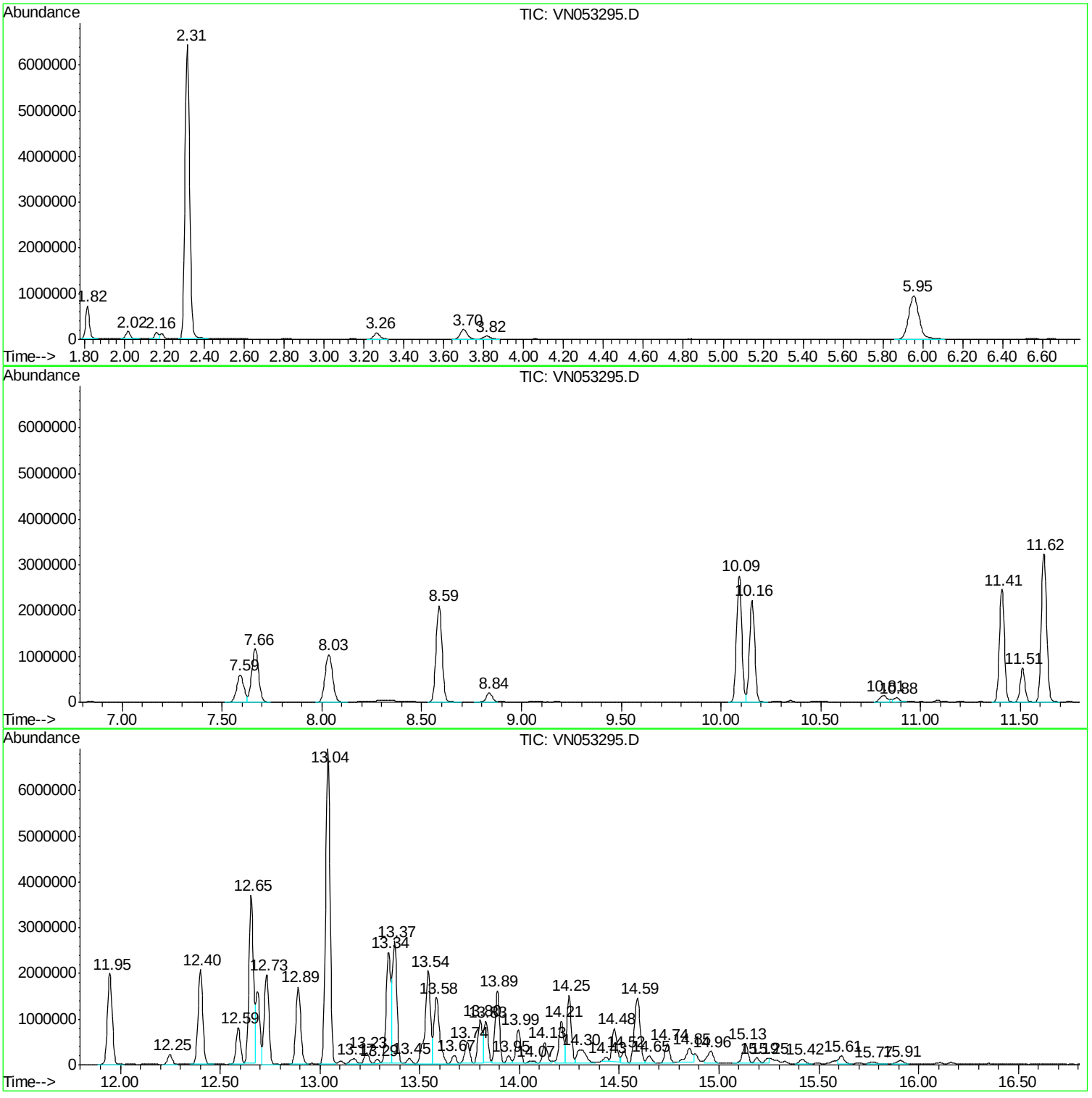
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010719\
Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
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Quant Title : SW846 8260

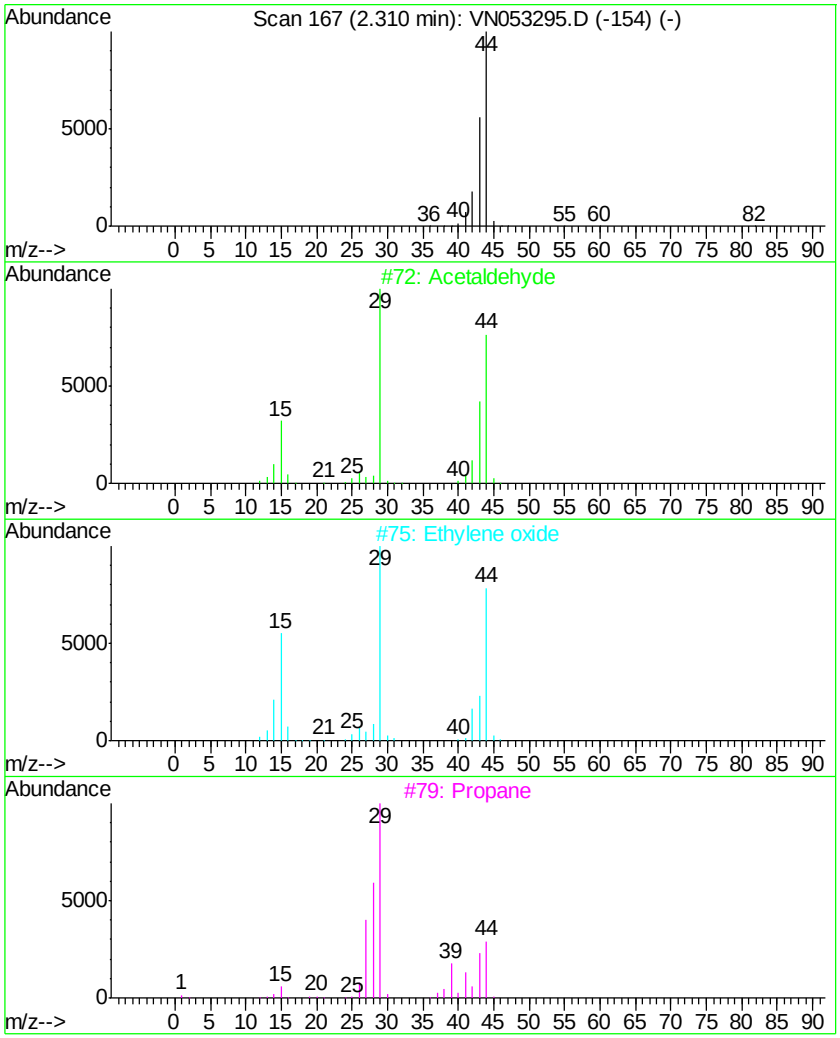
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

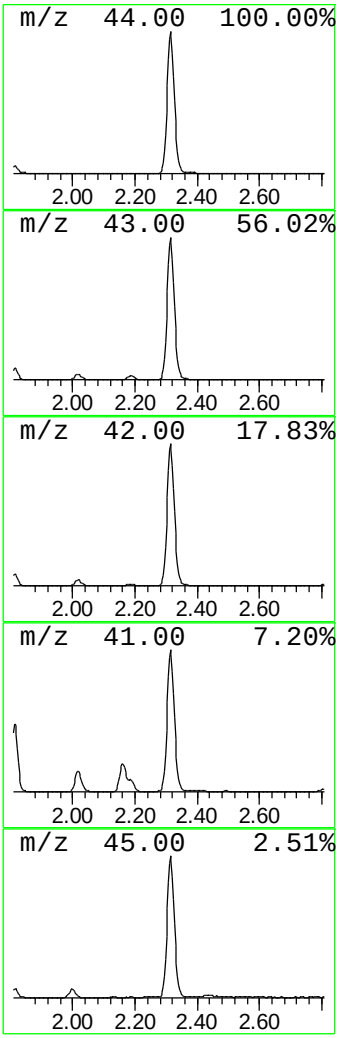
****

Peak Number 1 Acetaldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.31	187.18 ug/l	10409500	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	74
2	Ethylene oxide	44	C2H4O	000075-21-8	5
3	Propane	44	C3H8	000074-98-6	4
4	Alanine	89	C3H7NO2	000056-41-7	4
5	Ethyne, fluoro-	44	C2HF	002713-09-9	3





Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260

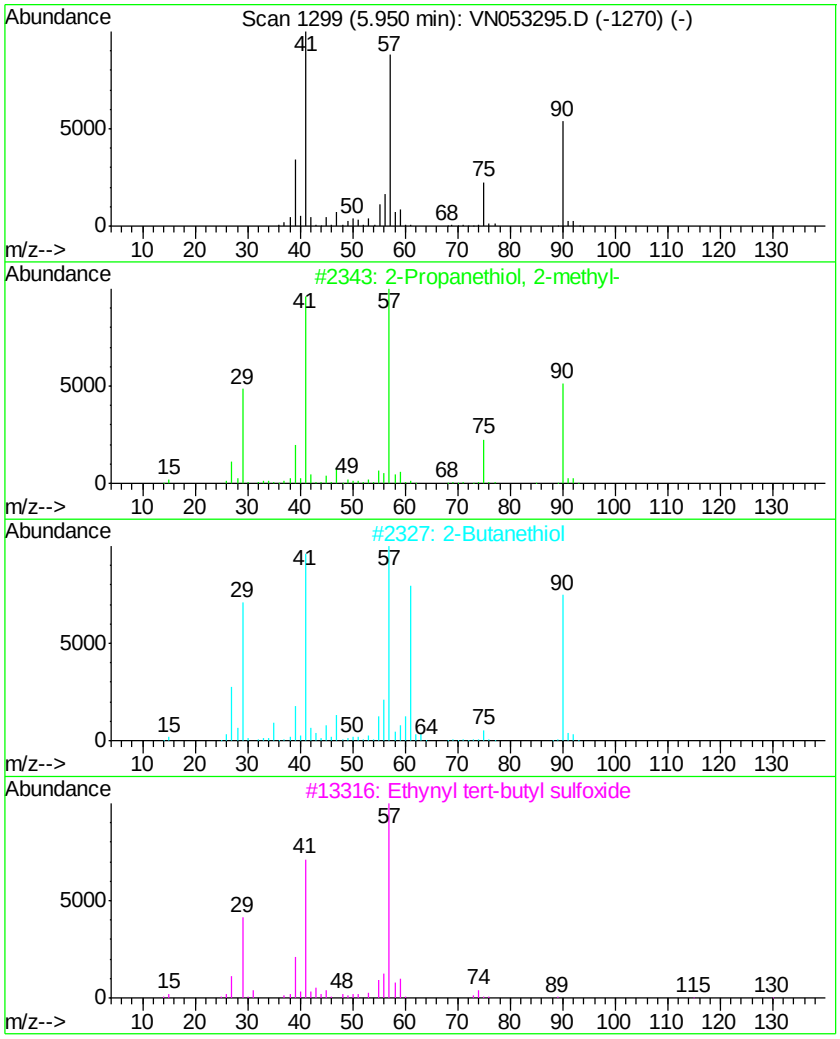
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

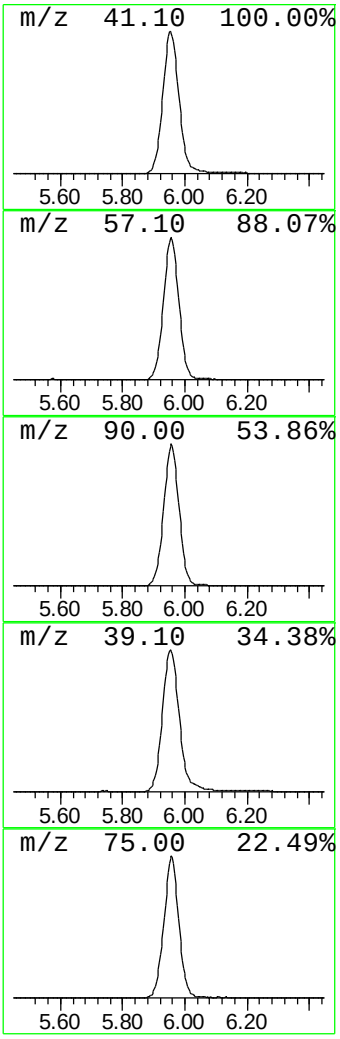
****

Peak Number 2 2-Propanethiol, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	62.82 ug/l	3493460	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanethiol, 2-methyl-	90	C4H10S	000075-66-1	91
2	2-Butanethiol	90	C4H10S	000513-53-1	38
3	Ethynyl tert-butyl sulfoxide	130	C6H10OS	041463-34-7	25
4	Propane, 2-methyl-2-nitro-	103	C4H9NO2	000594-70-7	22
5	Butane, 1-nitro-	103	C4H9NO2	000627-05-4	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010719\
Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260

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

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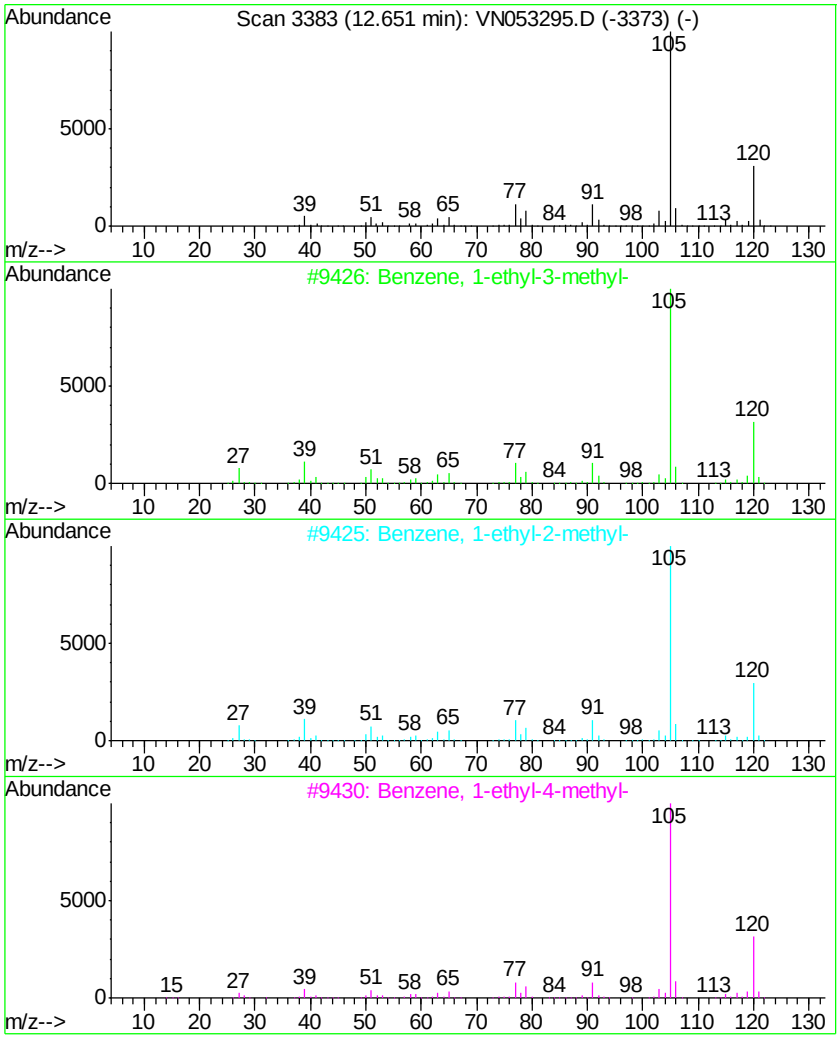
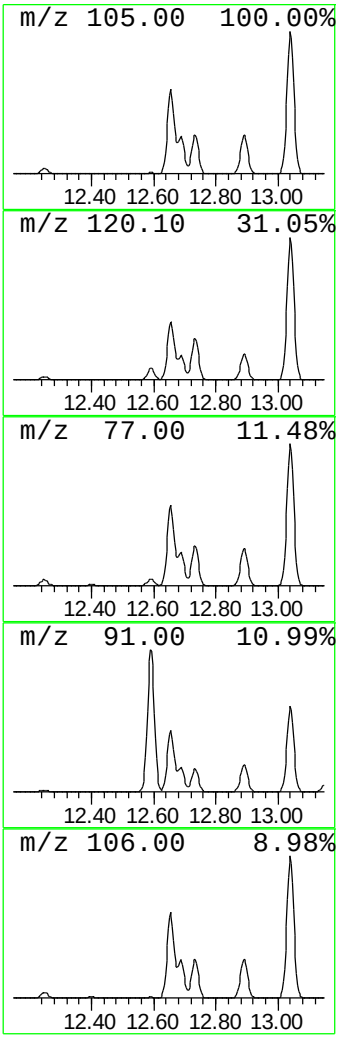
Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	73.94 ug/l	5993960	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010719\
Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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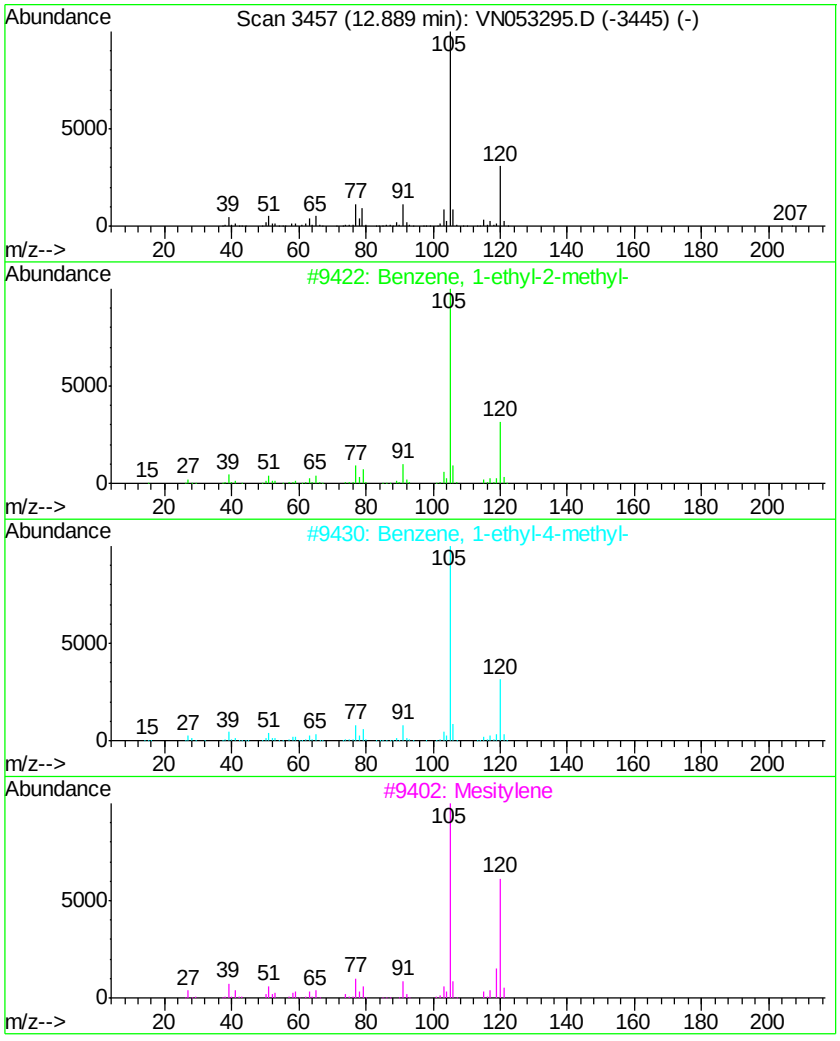
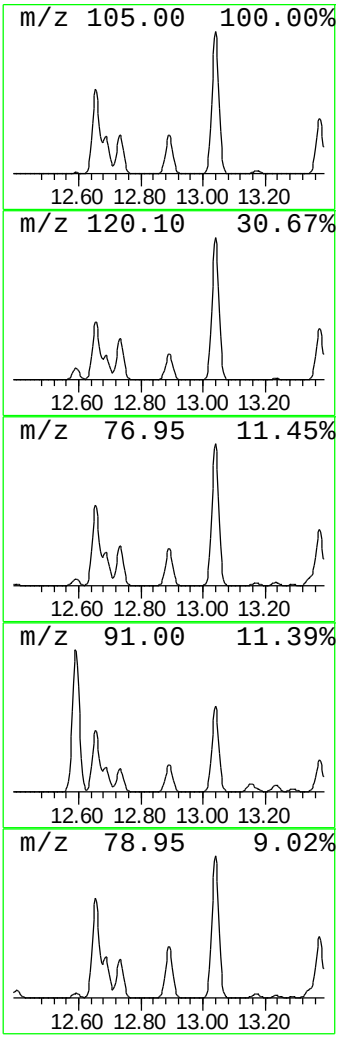
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	35.03 ug/l	2839430	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010719\
Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260

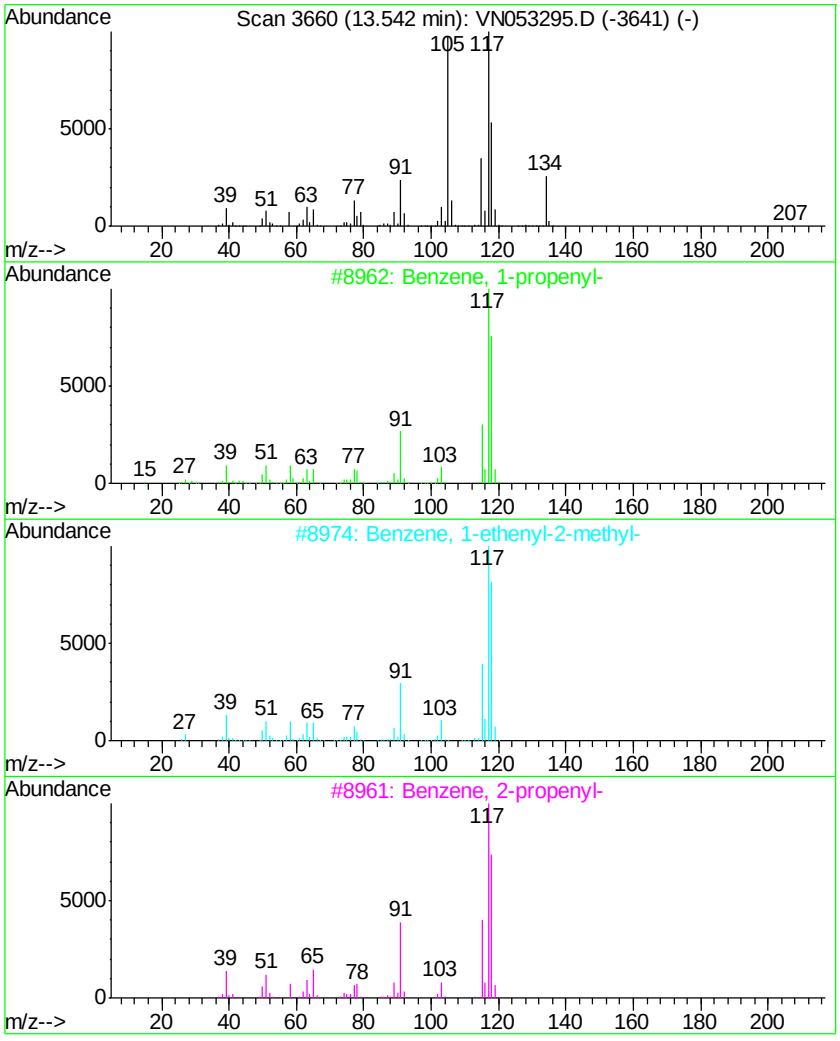
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

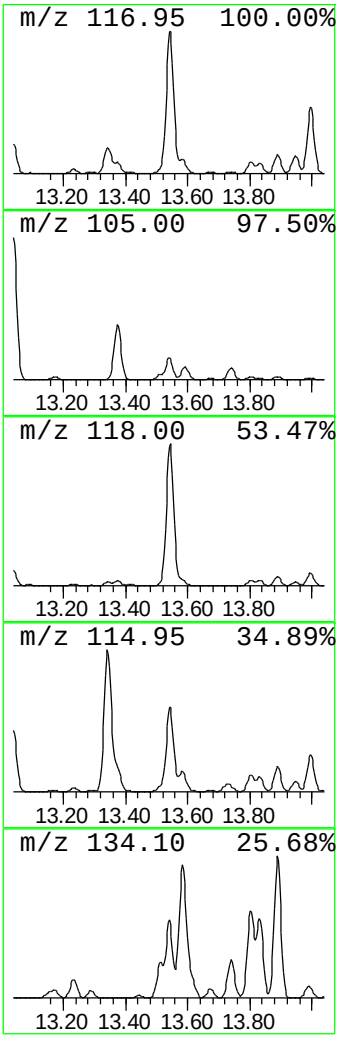
****

Peak Number 5 Benzene, 1-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	48.14 ug/l	3902290	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Indane	118	C9H10	000496-11-7	60





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260

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

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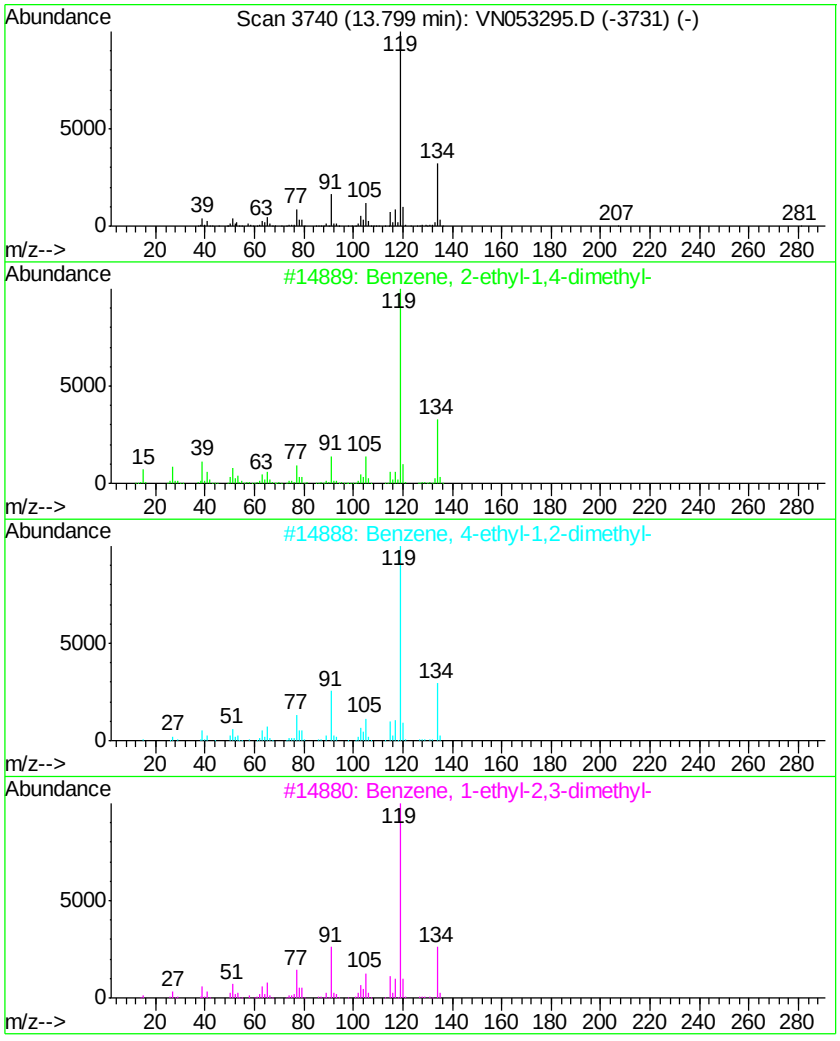
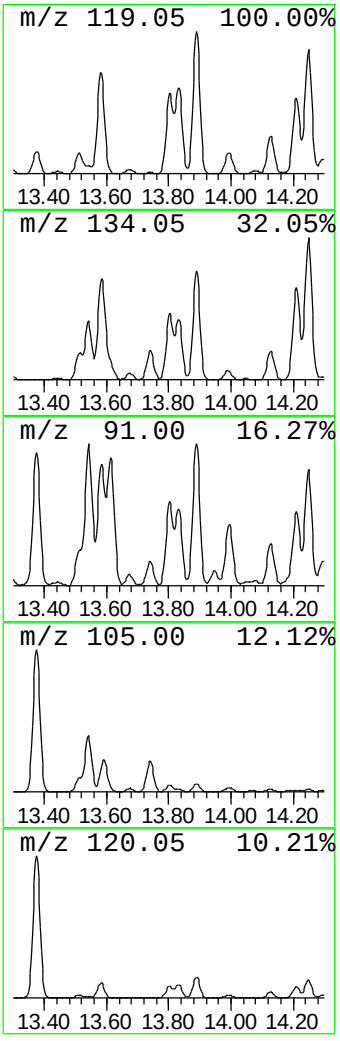
Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	18.81 ug/l	1524650	1,4-Dichlorobenzene-d4	13.34

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, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	o-Cymene	134	C10H14	000527-84-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010719\
Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260

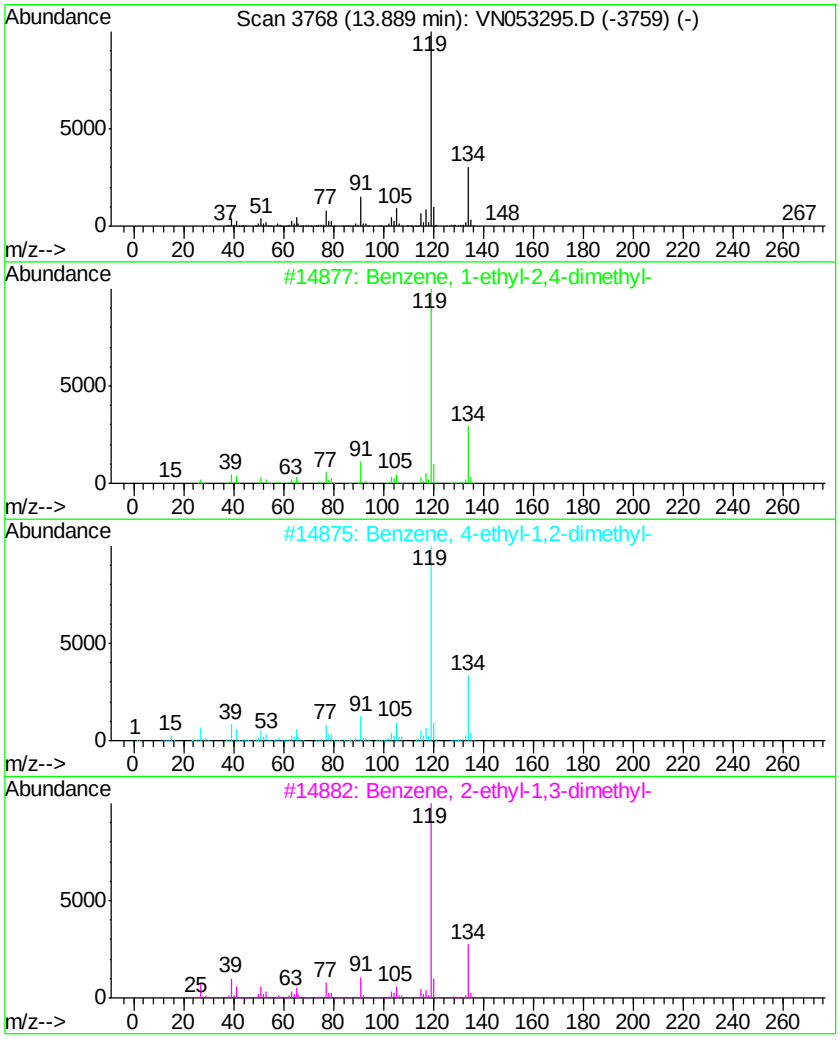
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

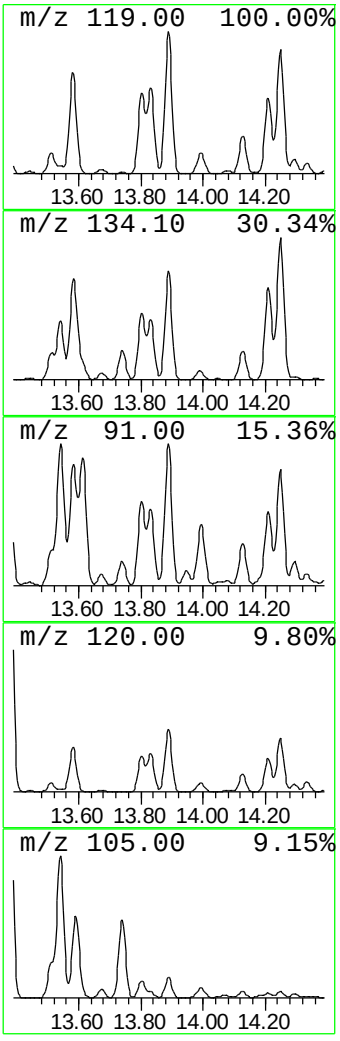
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	29.55 ug/l	2395060	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260

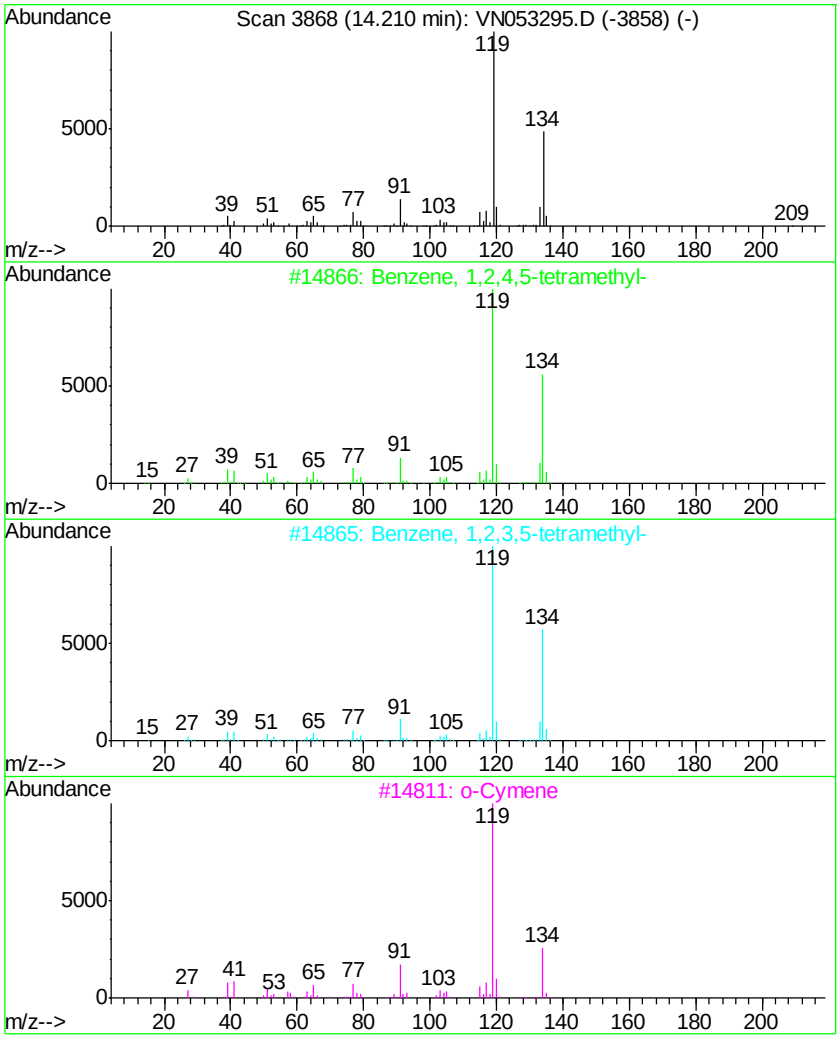
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

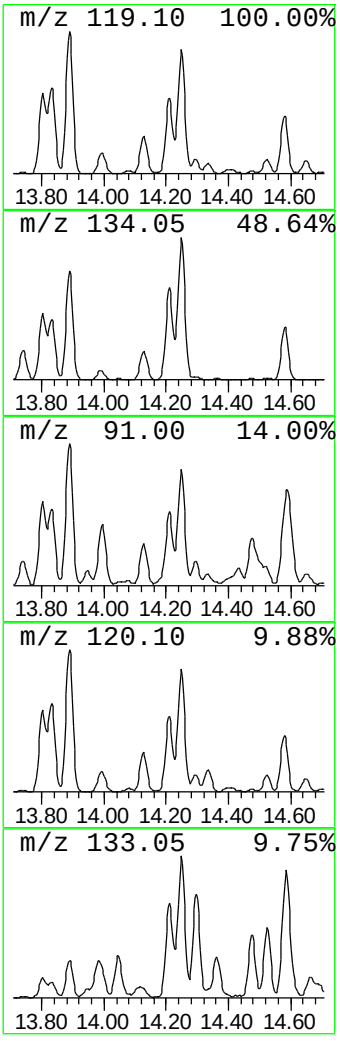
****

Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	18.00 ug/l	1458860	1,4-Dichlorobenzene-d4	13.34

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	97
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010719\
Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260

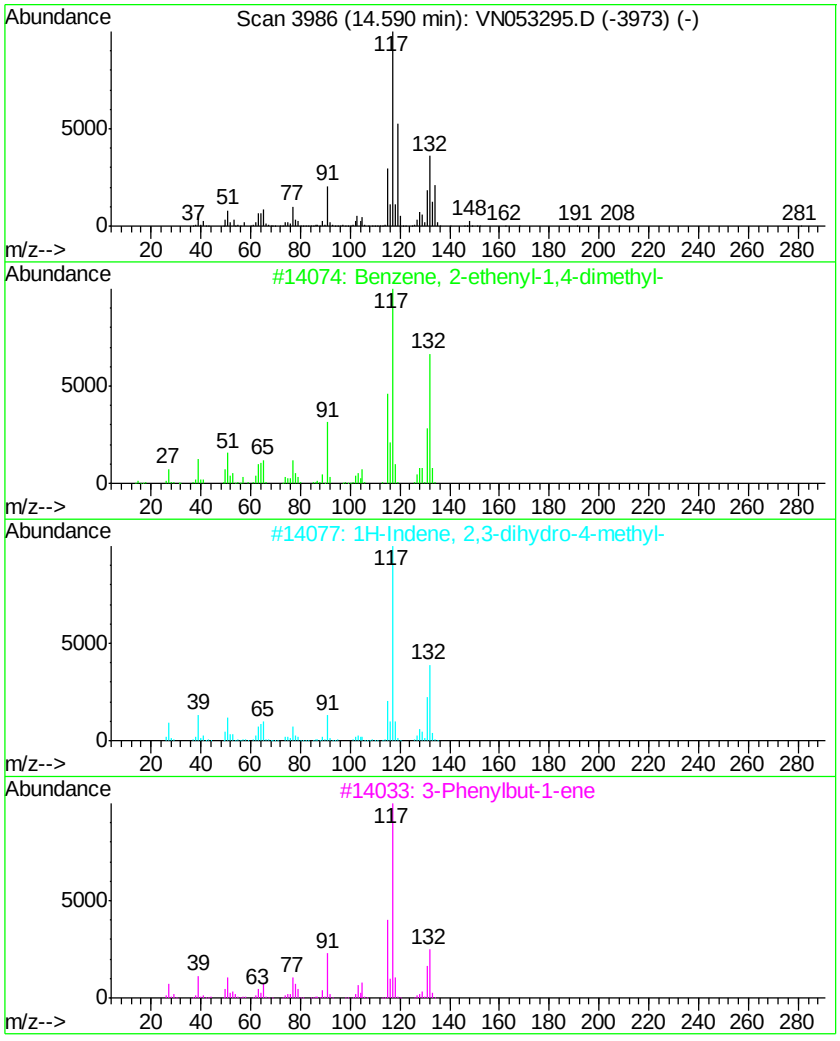
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

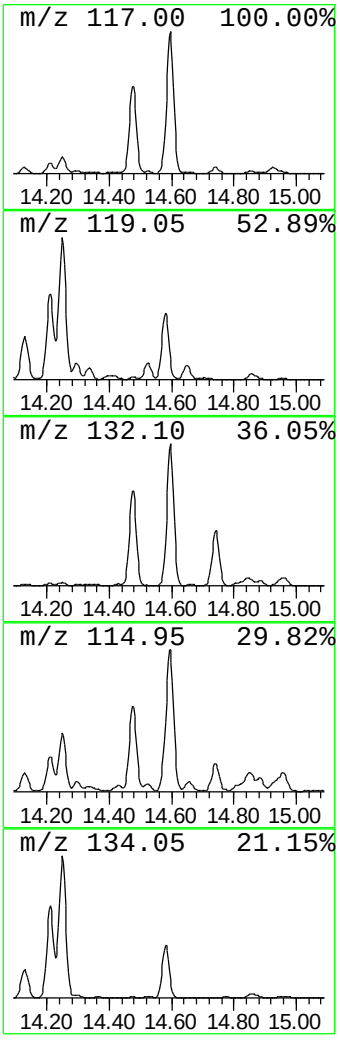
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	35.54 ug/l	2880490	1,4-Dichlorobenzene-d4	13.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
4	Indan, 1-methyl-	132	C10H12	000767-58-8	76
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010719\
Data File : VN053295.D
Acq On : 7 Jan 2019 11:00
Operator : MD\SY
Sample : K1061-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : TRE-COMP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.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
Acetaldehyde	2.31	187.2	ug/l	10409500	1	7.67	2780600	50.0
2-Propanethiol, 2...	5.95	62.8	ug/l	3493460	1	7.67	2780600	50.0
Benzene, 1-ethyl-...	12.65	73.9	ug/l	5993960	4	13.34	4053000	50.0
Benzene, 1-ethyl-...	12.89	35.0	ug/l	2839430	4	13.34	4053000	50.0
Benzene, 1-propenyl-	13.54	48.1	ug/l	3902290	4	13.34	4053000	50.0
Benzene, 2-ethyl-...	13.80	18.8	ug/l	1524650	4	13.34	4053000	50.0
Benzene, 1-ethyl-...	13.89	29.6	ug/l	2395060	4	13.34	4053000	50.0
Benzene, 1,2,4,5-...	14.21	18.0	ug/l	1458860	4	13.34	4053000	50.0
Benzene, 2-etheny...	14.59	35.5	ug/l	2880490	4	13.34	4053000	50.0